eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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JOB DESCRIPTION

RFAAP, Radford HWMU16

JOB NUMBER

410-234898-2

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

myEOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Barb Weyandt

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Authorized for release by
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Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Definitions/Glossary

Client: TRC, Engineers, Inc. Job ID: 410-234898-2
Project/Site: RFAAP, Radford HWMU16

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
410-234898-2

REVISION

The report being provided is a revision of the original report sent on 8/20/2025. The report (revision 1) is being revised due to adding the chain of custody to the final report.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 7/31/2025 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.5°C and 3.6°C.

GC/MS VOA
Method 8260D_LL: The continuing calibration verification (CCV) analyzed on 410-681517 is compliant under 8260C/D method criteria for Tetrahydrofuran . The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D_LL: The continuing calibration verification (CCV) associated with batch 410-681517 recovered above the upper control limit for 2-Butanone. Non-detections of the affected analytes are reported. Any detections are considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: TRC, Engineers, Inc.
Project/Site: RFAAP, Radford HWMU16

Job ID: 410-234898-2

Client Sample ID: 16-2 — Lab Sample ID: 410-234898-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	240		10		ug/L	1		6020B	Total Recoverable

Client Sample ID: 16-3 — Lab Sample ID: 410-234898-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	730		10		ug/L	1		6020B	Total Recoverable

Client Sample ID: 16-5 — Lab Sample ID: 410-234898-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	170		10		ug/L	1		6020B	Total Recoverable

Client Sample ID: 16WC2B — Lab Sample ID: 410-234898-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	110		10		ug/L	1		6020B	Total Recoverable

Client Sample ID: 16SPRING — Lab Sample ID: 410-234898-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	220		10		ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16-2
Date Collected: 07/29/25 10:40
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-7
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			08/06/25 17:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/06/25 17:21	1
1,1-Dichloroethane	ND		1.0		ug/L			08/06/25 17:21	1
1,1-Dichloroethene	ND		1.0		ug/L			08/06/25 17:21	1
2-Butanone	ND	cn	10		ug/L			08/06/25 17:21	1
Benzene	ND		1.0		ug/L			08/06/25 17:21	1
Carbon tetrachloride	ND		1.0		ug/L			08/06/25 17:21	1
Chloroethane	ND		1.0		ug/L			08/06/25 17:21	1
Chloromethane	ND		1.0		ug/L			08/06/25 17:21	1
Dichlorodifluoromethane	ND		1.0		ug/L			08/06/25 17:21	1
Diethyl ether	ND		10		ug/L			08/06/25 17:21	1
Ethylbenzene	ND		1.0		ug/L			08/06/25 17:21	1
Methylene Chloride	ND		1.0		ug/L			08/06/25 17:21	1
Tetrachloroethene	ND		1.0		ug/L			08/06/25 17:21	1
Tetrahydrofuran	ND	cn	25		ug/L			08/06/25 17:21	1
Toluene	ND		1.0		ug/L			08/06/25 17:21	1
Trichloroethene	ND		1.0		ug/L			08/06/25 17:21	1
Trichlorofluoromethane	ND		1.0		ug/L			08/06/25 17:21	1
Vinyl chloride	ND		1.0		ug/L			08/06/25 17:21	1
Xylenes, Total	ND		3.0		ug/L			08/06/25 17:21	1
Dimethyl ether	ND		10		ug/L			08/06/25 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 17:21*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*08/06/25 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 120*		*08/06/25 17:21*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/25 17:21*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/06/25 18:34	1
2,6-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/06/25 18:34	1
Diethyl phthalate	ND		5.0		ug/L		08/05/25 16:09	08/06/25 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*13 - 134*	*08/05/25 16:09*	*08/06/25 18:34*	*1*
2-Fluorobiphenyl (Surr)	*85*		*45 - 120*	*08/05/25 16:09*	*08/06/25 18:34*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 120*	*08/05/25 16:09*	*08/06/25 18:34*	*1*
Nitrobenzene-d5 (Surr)	*70*		*33 - 120*	*08/05/25 16:09*	*08/06/25 18:34*	*1*
p-Terphenyl-d14 (Surr)	*102*		*26 - 123*	*08/05/25 16:09*	*08/06/25 18:34*	*1*
Phenol-d5 (Surr)	*36*		*10 - 120*	*08/05/25 16:09*	*08/06/25 18:34*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		10		ug/L		08/11/25 04:22	08/12/25 23:50	1
Barium	**240**		10		ug/L		08/11/25 04:22	08/13/25 19:35	1
Beryllium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:50	1
Cadmium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:50	1
Chromium	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:50	1
Cobalt	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:50	1

Client Sample ID: 16-2
Lab Sample ID: 410-234898-7

Date Collected: 07/29/25 10:40
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:50	1
Lead	ND		3.0		ug/L		08/11/25 04:22	08/12/25 23:50	1
Nickel	ND		10		ug/L		08/11/25 04:22	08/12/25 23:50	1
Silver	ND		2.0		ug/L		08/11/25 04:22	08/12/25 23:50	1
Zinc	ND		30		ug/L		08/11/25 04:22	08/12/25 23:50	1
Vanadium	ND		10		ug/L		08/11/25 04:22	08/12/25 23:50	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.0		ug/L		08/12/25 10:26	08/16/25 15:35	1

Client Sample ID: 16-3
Lab Sample ID: 410-234898-8

Date Collected: 07/29/25 12:35
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			08/06/25 17:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/06/25 17:43	1
1,1-Dichloroethane	ND		1.0		ug/L			08/06/25 17:43	1
1,1-Dichloroethene	ND		1.0		ug/L			08/06/25 17:43	1
2-Butanone	ND	cn	10		ug/L			08/06/25 17:43	1
Benzene	ND		1.0		ug/L			08/06/25 17:43	1
Carbon tetrachloride	ND		1.0		ug/L			08/06/25 17:43	1
Chloroethane	ND		1.0		ug/L			08/06/25 17:43	1
Chloromethane	ND		1.0		ug/L			08/06/25 17:43	1
Dichlorodifluoromethane	ND		1.0		ug/L			08/06/25 17:43	1
Diethyl ether	ND		10		ug/L			08/06/25 17:43	1
Ethylbenzene	ND		1.0		ug/L			08/06/25 17:43	1
Methylene Chloride	ND		1.0		ug/L			08/06/25 17:43	1
Tetrachloroethene	ND		1.0		ug/L			08/06/25 17:43	1
Tetrahydrofuran	ND	cn	25		ug/L			08/06/25 17:43	1
Toluene	ND		1.0		ug/L			08/06/25 17:43	1
Trichloroethene	ND		1.0		ug/L			08/06/25 17:43	1
Trichlorofluoromethane	ND		1.0		ug/L			08/06/25 17:43	1
Vinyl chloride	ND		1.0		ug/L			08/06/25 17:43	1
Xylenes, Total	ND		3.0		ug/L			08/06/25 17:43	1
Dimethyl ether	ND		10		ug/L			08/06/25 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 17:43*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/06/25 17:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 120*		*08/06/25 17:43*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*08/06/25 17:43*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/06/25 18:54	1
2,6-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/06/25 18:54	1
Diethyl phthalate	ND		5.1		ug/L		08/05/25 16:09	08/06/25 18:54	1

Client Sample ID: 16-3
Date Collected: 07/29/25 12:35
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*13 - 134*	*08/05/25 16:09*	*08/06/25 18:54*	*1*
2-Fluorobiphenyl (Surr)	*85*		*45 - 120*	*08/05/25 16:09*	*08/06/25 18:54*	*1*
2-Fluorophenol (Surr)	*48*		*10 - 120*	*08/05/25 16:09*	*08/06/25 18:54*	*1*
Nitrobenzene-d5 (Surr)	*66*		*33 - 120*	*08/05/25 16:09*	*08/06/25 18:54*	*1*
p-Terphenyl-d14 (Surr)	*102*		*26 - 123*	*08/05/25 16:09*	*08/06/25 18:54*	*1*
Phenol-d5 (Surr)	*30*		*10 - 120*	*08/05/25 16:09*	*08/06/25 18:54*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		10		ug/L		08/11/25 04:22	08/12/25 23:38	1
Barium	**730**		10		ug/L		08/11/25 04:22	08/13/25 19:31	1
Beryllium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:38	1
Cadmium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:38	1
Chromium	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:38	1
Cobalt	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:38	1
Copper	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:38	1
Lead	ND		3.0		ug/L		08/11/25 04:22	08/12/25 23:38	1
Nickel	ND		10		ug/L		08/11/25 04:22	08/12/25 23:38	1
Silver	ND		2.0		ug/L		08/11/25 04:22	08/12/25 23:38	1
Zinc	ND		30		ug/L		08/11/25 04:22	08/12/25 23:38	1
Vanadium	ND		10		ug/L		08/11/25 04:22	08/12/25 23:38	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.0		ug/L		08/12/25 10:26	08/16/25 15:41	1

Client Sample ID: 16-5
Date Collected: 07/29/25 08:55
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-9
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			08/06/25 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/06/25 18:06	1
1,1-Dichloroethane	ND		1.0		ug/L			08/06/25 18:06	1
1,1-Dichloroethene	ND		1.0		ug/L			08/06/25 18:06	1
2-Butanone	ND	cn	10		ug/L			08/06/25 18:06	1
Benzene	ND		1.0		ug/L			08/06/25 18:06	1
Carbon tetrachloride	ND		1.0		ug/L			08/06/25 18:06	1
Chloroethane	ND		1.0		ug/L			08/06/25 18:06	1
Chloromethane	ND		1.0		ug/L			08/06/25 18:06	1
Dichlorodifluoromethane	ND		1.0		ug/L			08/06/25 18:06	1
Diethyl ether	ND		10		ug/L			08/06/25 18:06	1
Ethylbenzene	ND		1.0		ug/L			08/06/25 18:06	1
Methylene Chloride	ND		1.0		ug/L			08/06/25 18:06	1
Tetrachloroethene	ND		1.0		ug/L			08/06/25 18:06	1
Tetrahydrofuran	ND	cn	25		ug/L			08/06/25 18:06	1
Toluene	ND		1.0		ug/L			08/06/25 18:06	1
Trichloroethene	ND		1.0		ug/L			08/06/25 18:06	1
Trichlorofluoromethane	ND		1.0		ug/L			08/06/25 18:06	1
Vinyl chloride	ND		1.0		ug/L			08/06/25 18:06	1

Client Sample ID: 16-5
Lab Sample ID: 410-234898-9
Date Collected: 07/29/25 08:55
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		3.0		ug/L			08/06/25 18:06	1
Dimethyl ether	ND		10		ug/L			08/06/25 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*08/06/25 18:06*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/06/25 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/06/25 18:06*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 18:06*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/07/25 22:36	1
2,6-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/07/25 22:36	1
Diethyl phthalate	ND		5.1		ug/L		08/05/25 16:09	08/07/25 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*13 - 134*	*08/05/25 16:09*	*08/07/25 22:36*	*1*
2-Fluorobiphenyl (Surr)	*79*		*45 - 120*	*08/05/25 16:09*	*08/07/25 22:36*	*1*
2-Fluorophenol (Surr)	*46*		*10 - 120*	*08/05/25 16:09*	*08/07/25 22:36*	*1*
Nitrobenzene-d5 (Surr)	*84*		*33 - 120*	*08/05/25 16:09*	*08/07/25 22:36*	*1*
p-Terphenyl-d14 (Surr)	*99*		*26 - 123*	*08/05/25 16:09*	*08/07/25 22:36*	*1*
Phenol-d5 (Surr)	*35*		*10 - 120*	*08/05/25 16:09*	*08/07/25 22:36*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		10		ug/L		08/11/25 04:22	08/12/25 23:30	1
Barium	**170**		10		ug/L		08/11/25 04:22	08/13/25 19:14	1
Beryllium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:30	1
Cadmium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:30	1
Chromium	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:30	1
Cobalt	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:30	1
Copper	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:30	1
Lead	ND		3.0		ug/L		08/11/25 04:22	08/12/25 23:30	1
Nickel	ND		10		ug/L		08/11/25 04:22	08/12/25 23:30	1
Silver	ND		2.0		ug/L		08/11/25 04:22	08/12/25 23:30	1
Zinc	ND		30		ug/L		08/11/25 04:22	08/12/25 23:30	1
Vanadium	ND		10		ug/L		08/11/25 04:22	08/12/25 23:30	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.0		ug/L		08/12/25 10:26	08/16/25 15:39	1

Client Sample ID: 16WC2B
Lab Sample ID: 410-234898-10
Date Collected: 07/29/25 09:55
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			08/06/25 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/06/25 18:28	1
1,1-Dichloroethane	ND		1.0		ug/L			08/06/25 18:28	1

Client Sample ID: 16WC2B
Date Collected: 07/29/25 09:55
Date Received: 07/31/25 09:20

Lab Sample ID: 410-234898-10
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0		ug/L			08/06/25 18:28	1
2-Butanone	ND	cn	10		ug/L			08/06/25 18:28	1
Benzene	ND		1.0		ug/L			08/06/25 18:28	1
Carbon tetrachloride	ND		1.0		ug/L			08/06/25 18:28	1
Chloroethane	ND		1.0		ug/L			08/06/25 18:28	1
Chloromethane	ND		1.0		ug/L			08/06/25 18:28	1
Dichlorodifluoromethane	ND		1.0		ug/L			08/06/25 18:28	1
Diethyl ether	ND		10		ug/L			08/06/25 18:28	1
Ethylbenzene	ND		1.0		ug/L			08/06/25 18:28	1
Methylene Chloride	ND		1.0		ug/L			08/06/25 18:28	1
Tetrachloroethene	ND		1.0		ug/L			08/06/25 18:28	1
Tetrahydrofuran	ND	cn	25		ug/L			08/06/25 18:28	1
Toluene	ND		1.0		ug/L			08/06/25 18:28	1
Trichloroethene	ND		1.0		ug/L			08/06/25 18:28	1
Trichlorofluoromethane	ND		1.0		ug/L			08/06/25 18:28	1
Vinyl chloride	ND		1.0		ug/L			08/06/25 18:28	1
Xylenes, Total	ND		3.0		ug/L			08/06/25 18:28	1
Dimethyl ether	ND		10		ug/L			08/06/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*08/06/25 18:28*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*08/06/25 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/06/25 18:28*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 18:28*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/07/25 22:57	1
2,6-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/07/25 22:57	1
Diethyl phthalate	ND		5.1		ug/L		08/05/25 16:09	08/07/25 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*13 - 134*	*08/05/25 16:09*	*08/07/25 22:57*	*1*
2-Fluorobiphenyl (Surr)	*79*		*45 - 120*	*08/05/25 16:09*	*08/07/25 22:57*	*1*
2-Fluorophenol (Surr)	*41*		*10 - 120*	*08/05/25 16:09*	*08/07/25 22:57*	*1*
Nitrobenzene-d5 (Surr)	*82*		*33 - 120*	*08/05/25 16:09*	*08/07/25 22:57*	*1*
p-Terphenyl-d14 (Surr)	*101*		*26 - 123*	*08/05/25 16:09*	*08/07/25 22:57*	*1*
Phenol-d5 (Surr)	*31*		*10 - 120*	*08/05/25 16:09*	*08/07/25 22:57*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		10		ug/L		08/11/25 04:22	08/12/25 23:36	1
Barium	**110**		10		ug/L		08/11/25 04:22	08/13/25 19:29	1
Beryllium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:36	1
Cadmium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:36	1
Chromium	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:36	1
Cobalt	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:36	1
Copper	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:36	1
Lead	ND		3.0		ug/L		08/11/25 04:22	08/12/25 23:36	1
Nickel	ND		10		ug/L		08/11/25 04:22	08/12/25 23:36	1

Client Sample ID: 16WC2B
Lab Sample ID: 410-234898-10
Date Collected: 07/29/25 09:55
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		2.0		ug/L		08/11/25 04:22	08/12/25 23:36	1
Zinc	ND		30		ug/L		08/11/25 04:22	08/12/25 23:36	1
Vanadium	ND		10		ug/L		08/11/25 04:22	08/12/25 23:36	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.0		ug/L		08/13/25 06:13	08/19/25 18:54	1

Client Sample ID: 16SPRING
Lab Sample ID: 410-234898-11
Date Collected: 07/29/25 09:10
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			08/06/25 18:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/06/25 18:50	1
1,1-Dichloroethane	ND		1.0		ug/L			08/06/25 18:50	1
1,1-Dichloroethene	ND		1.0		ug/L			08/06/25 18:50	1
2-Butanone	ND	cn	10		ug/L			08/06/25 18:50	1
Benzene	ND		1.0		ug/L			08/06/25 18:50	1
Carbon tetrachloride	ND		1.0		ug/L			08/06/25 18:50	1
Chloroethane	ND		1.0		ug/L			08/06/25 18:50	1
Chloromethane	ND		1.0		ug/L			08/06/25 18:50	1
Dichlorodifluoromethane	ND		1.0		ug/L			08/06/25 18:50	1
Diethyl ether	ND		10		ug/L			08/06/25 18:50	1
Ethylbenzene	ND		1.0		ug/L			08/06/25 18:50	1
Methylene Chloride	ND		1.0		ug/L			08/06/25 18:50	1
Tetrachloroethene	ND		1.0		ug/L			08/06/25 18:50	1
Tetrahydrofuran	ND	cn	25		ug/L			08/06/25 18:50	1
Toluene	ND		1.0		ug/L			08/06/25 18:50	1
Trichloroethene	ND		1.0		ug/L			08/06/25 18:50	1
Trichlorofluoromethane	ND		1.0		ug/L			08/06/25 18:50	1
Vinyl chloride	ND		1.0		ug/L			08/06/25 18:50	1
Xylenes, Total	ND		3.0		ug/L			08/06/25 18:50	1
Dimethyl ether	ND		10		ug/L			08/06/25 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*		*08/06/25 18:50*	*1*
Dibromofluoromethane (Surr)	*112*		*80 - 120*		*08/06/25 18:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 120*		*08/06/25 18:50*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*08/06/25 18:50*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/07/25 23:17	1
2,6-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/07/25 23:17	1
Diethyl phthalate	ND		5.1		ug/L		08/05/25 16:09	08/07/25 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*13 - 134*	*08/05/25 16:09*	*08/07/25 23:17*	*1*
2-Fluorobiphenyl (Surr)	*79*		*45 - 120*	*08/05/25 16:09*	*08/07/25 23:17*	*1*

Client Sample ID: 16SPRING
Lab Sample ID: 410-234898-11

Date Collected: 07/29/25 09:10
Matrix: Water
Date Received: 07/31/25 09:20

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorophenol (Surr)	*41*		*10 - 120*	*08/05/25 16:09*	*08/07/25 23:17*	*1*
Nitrobenzene-d5 (Surr)	*81*		*33 - 120*	*08/05/25 16:09*	*08/07/25 23:17*	*1*
p-Terphenyl-d14 (Surr)	*96*		*26 - 123*	*08/05/25 16:09*	*08/07/25 23:17*	*1*
Phenol-d5 (Surr)	*30*		*10 - 120*	*08/05/25 16:09*	*08/07/25 23:17*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		10		ug/L		08/11/25 04:22	08/12/25 23:54	1
Barium	**220**		10		ug/L		08/11/25 04:22	08/13/25 19:39	1
Beryllium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:54	1
Cadmium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 23:54	1
Chromium	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:54	1
Cobalt	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:54	1
Copper	ND		5.0		ug/L		08/11/25 04:22	08/12/25 23:54	1
Lead	ND		3.0		ug/L		08/11/25 04:22	08/12/25 23:54	1
Nickel	ND		10		ug/L		08/11/25 04:22	08/12/25 23:54	1
Silver	ND		2.0		ug/L		08/11/25 04:22	08/12/25 23:54	1
Zinc	ND		30		ug/L		08/11/25 04:22	08/12/25 23:54	1
Vanadium	ND		10		ug/L		08/11/25 04:22	08/12/25 23:54	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.0		ug/L		08/12/25 10:26	08/16/25 15:22	1

Default Detection Limits

Client: TRC, Engineers, Inc.
Job ID: 410-234898-2
Project/Site: RFAAP, Radford HWMU16

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	RL	MDL
1,1,1-Trichloroethane	1.0 ug/L	0.30 ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 ug/L	0.40 ug/L
1,1-Dichloroethane	1.0 ug/L	0.30 ug/L
1,1-Dichloroethene	1.0 ug/L	0.30 ug/L
2-Butanone	10 ug/L	1.7 ug/L
Benzene	1.0 ug/L	0.30 ug/L
Carbon tetrachloride	1.0 ug/L	0.30 ug/L
Chloroethane	1.0 ug/L	0.070 ug/L
Chloromethane	1.0 ug/L	0.060 ug/L
Dichlorodifluoromethane	1.0 ug/L	0.40 ug/L
Diethyl ether	10 ug/L	1.1 ug/L
Dimethyl ether	10 ug/L	0.30 ug/L
Ethylbenzene	1.0 ug/L	0.30 ug/L
Methylene Chloride	1.0 ug/L	0.70 ug/L
Tetrachloroethene	1.0 ug/L	0.30 ug/L
Tetrahydrofuran	25 ug/L	2.0 ug/L
Toluene	1.0 ug/L	0.30 ug/L
Trichloroethene	1.0 ug/L	0.30 ug/L
Trichlorofluoromethane	1.0 ug/L	0.40 ug/L
Vinyl chloride	1.0 ug/L	0.20 ug/L
Xylenes, Total	3.0 ug/L	0.40 ug/L

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Prep: 3510C

Analyte	RL	MDL
2,4-Dinitrotoluene	10 ug/L	2.1 ug/L
2,6-Dinitrotoluene	10 ug/L	2.1 ug/L
Diethyl phthalate	5.0 ug/L	2.0 ug/L

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Prep: 3005A

Analyte	RL	MDL
Arsenic	10 ug/L	2.0 ug/L
Barium	10 ug/L	1.3 ug/L
Beryllium	1.0 ug/L	0.30 ug/L
Cadmium	1.0 ug/L	0.20 ug/L
Chromium	5.0 ug/L	1.0 ug/L
Cobalt	5.0 ug/L	1.0 ug/L
Copper	5.0 ug/L	1.7 ug/L
Lead	3.0 ug/L	1.0 ug/L
Nickel	10 ug/L	2.0 ug/L
Silver	2.0 ug/L	0.30 ug/L
Vanadium	10 ug/L	2.5 ug/L
Zinc	30 ug/L	7.3 ug/L

Method: 7470A - Mercury (CVAA)

Prep: 7470A

Analyte	RL	MDL
Mercury	2.0 ug/L	0.20 ug/L

Surrogate Summary

Client: TRC, Engineers, Inc.
Job ID: 410-234898-2
Project/Site: RFAAP, Radford HWMU16

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-234898-7	16-2	92	111	109	94
410-234898-8	16-3	92	112	111	94
410-234898-9	16-5	92	112	110	93
410-234898-10	16WC2B	91	113	110	93
410-234898-11	16SPRING	90	112	110	93
LCS 410-681517/5	Lab Control Sample	101	106	107	96
LCS 410-681517/6	Lab Control Sample	93	106	106	95
MB 410-681517/8	Method Blank	91	109	106	92

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(13-134)	(45-120)	(10-120)	(33-120)	(26-123)	(10-120)
410-234898-7	16-2	86	85	49	70	102	36
410-234898-8	16-3	83	85	48	66	102	30
410-234898-9	16-5	87	79	46	84	99	35
410-234898-10	16WC2B	88	79	41	82	101	31
410-234898-11	16SPRING	83	79	41	81	96	30
LCS 410-681120/2-A	Lab Control Sample	82	82	57	72	103	40
LCSD 410-681120/3-A	Lab Control Sample Dup	89	78	58	76	106	41
MB 410-681120/1-A	Method Blank	79	82	51	63	98	36

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-681517/8
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			08/06/25 12:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			08/06/25 12:21	1
1,1-Dichloroethane	ND		1.0		ug/L			08/06/25 12:21	1
1,1-Dichloroethene	ND		1.0		ug/L			08/06/25 12:21	1
2-Butanone	ND		10		ug/L			08/06/25 12:21	1
Benzene	ND		1.0		ug/L			08/06/25 12:21	1
Carbon tetrachloride	ND		1.0		ug/L			08/06/25 12:21	1
Chloroethane	ND		1.0		ug/L			08/06/25 12:21	1
Chloromethane	ND		1.0		ug/L			08/06/25 12:21	1
Dichlorodifluoromethane	ND		1.0		ug/L			08/06/25 12:21	1
Diethyl ether	ND		10		ug/L			08/06/25 12:21	1
Ethylbenzene	ND		1.0		ug/L			08/06/25 12:21	1
Methylene Chloride	ND		1.0		ug/L			08/06/25 12:21	1
Tetrachloroethene	ND		1.0		ug/L			08/06/25 12:21	1
Tetrahydrofuran	ND		25		ug/L			08/06/25 12:21	1
Toluene	ND		1.0		ug/L			08/06/25 12:21	1
Trichloroethene	ND		1.0		ug/L			08/06/25 12:21	1
Trichlorofluoromethane	ND		1.0		ug/L			08/06/25 12:21	1
Vinyl chloride	ND		1.0		ug/L			08/06/25 12:21	1
Xylenes, Total	ND		3.0		ug/L			08/06/25 12:21	1
Dimethyl ether	ND		10		ug/L			08/06/25 12:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*80 - 120*		*08/06/25 12:21*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/06/25 12:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/06/25 12:21*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*08/06/25 12:21*	*1*

Lab Sample ID: LCS 410-681517/5
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	5.00	4.97		ug/L		99	78 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.89		ug/L		98	67 - 124
1,1-Dichloroethane	5.00	5.08		ug/L		102	74 - 120
1,1-Dichloroethene	5.00	5.07		ug/L		101	80 - 131
2-Butanone	62.5	66.7		ug/L		107	59 - 141
Benzene	5.00	4.92		ug/L		98	80 - 120
Carbon tetrachloride	5.00	5.09		ug/L		102	64 - 141
Chloroethane	5.00	5.56		ug/L		111	63 - 120
Chloromethane	5.00	4.51		ug/L		90	56 - 124
Dichlorodifluoromethane	5.00	4.56		ug/L		91	43 - 123
Diethyl ether	4.96	4.68	J	ug/L		94	54 - 127
Ethylbenzene	5.00	4.54		ug/L		91	80 - 120
Methylene Chloride	5.00	5.14		ug/L		103	80 - 120
Tetrachloroethene	5.00	4.65		ug/L		93	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 410-681517/5
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Tetrahydrofuran			25.0	25.7		ug/L		103	67 - 137		
Toluene			5.00	4.55		ug/L		91	80 - 120		
Trichloroethene			5.00	4.81		ug/L		96	80 - 120		
Trichlorofluoromethane			5.00	5.44		ug/L		109	53 - 136		
Vinyl chloride			5.00	4.72		ug/L		94	60 - 125		
Xylenes, Total			15.0	13.8		ug/L		92	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*107*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCS 410-681517/6
Matrix: Water
Analysis Batch: 681517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dimethyl ether			5.00	4.03	J	ug/L		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 410-681120/1-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/06/25 11:47	1
2,6-Dinitrotoluene	ND		10		ug/L		08/05/25 16:09	08/06/25 11:47	1
Diethyl phthalate	ND		5.0		ug/L		08/05/25 16:09	08/06/25 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*13 - 134*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
2-Fluorobiphenyl (Surr)	*82*		*45 - 120*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 120*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
Nitrobenzene-d5 (Surr)	*63*		*33 - 120*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
p-Terphenyl-d14 (Surr)	*98*		*26 - 123*	*08/05/25 16:09*	*08/06/25 11:47*	*1*
Phenol-d5 (Surr)	*36*		*10 - 120*	*08/05/25 16:09*	*08/06/25 11:47*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 410-681120/2-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681120

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
2,4-Dinitrotoluene			50.0	45.2		ug/L		90	54 - 143		
2,6-Dinitrotoluene			50.0	43.9		ug/L		88	53 - 139		
Diethyl phthalate			50.0	43.4		ug/L		87	45 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*13 - 134*
2-Fluorobiphenyl (Surr)	*82*		*45 - 120*
2-Fluorophenol (Surr)	*57*		*10 - 120*
Nitrobenzene-d5 (Surr)	*72*		*33 - 120*
p-Terphenyl-d14 (Surr)	*103*		*26 - 123*
Phenol-d5 (Surr)	*40*		*10 - 120*

Lab Sample ID: LCSD 410-681120/3-A
Matrix: Water
Analysis Batch: 681375

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 681120

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dinitrotoluene			50.0	44.6		ug/L		89	54 - 143	1	30
2,6-Dinitrotoluene			50.0	44.3		ug/L		89	53 - 139	1	30
Diethyl phthalate			50.0	43.2		ug/L		86	45 - 130	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*13 - 134*
2-Fluorobiphenyl (Surr)	*78*		*45 - 120*
2-Fluorophenol (Surr)	*58*		*10 - 120*
Nitrobenzene-d5 (Surr)	*76*		*33 - 120*
p-Terphenyl-d14 (Surr)	*106*		*26 - 123*
Phenol-d5 (Surr)	*41*		*10 - 120*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-681233/1-A
Matrix: Water
Analysis Batch: 684622

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		10		ug/L		08/11/25 04:22	08/12/25 19:14	1
Beryllium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 19:14	1
Cadmium	ND		1.0		ug/L		08/11/25 04:22	08/12/25 19:14	1
Chromium	ND		5.0		ug/L		08/11/25 04:22	08/12/25 19:14	1
Cobalt	ND		5.0		ug/L		08/11/25 04:22	08/12/25 19:14	1
Copper	ND		5.0		ug/L		08/11/25 04:22	08/12/25 19:14	1
Lead	ND		3.0		ug/L		08/11/25 04:22	08/12/25 19:14	1
Nickel	ND		10		ug/L		08/11/25 04:22	08/12/25 19:14	1
Silver	ND		2.0		ug/L		08/11/25 04:22	08/12/25 19:14	1
Zinc	ND		30		ug/L		08/11/25 04:22	08/12/25 19:14	1
Vanadium	ND		10		ug/L		08/11/25 04:22	08/12/25 19:14	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-681233/1-A
Matrix: Water
Analysis Batch: 685231

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		10		ug/L		08/11/25 04:22	08/13/25 17:09	1

Lab Sample ID: LCS 410-681233/2-A
Matrix: Water
Analysis Batch: 684622

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	500	503		ug/L		101	86 - 111
Beryllium	50.0	47.8		ug/L		96	80 - 120
Cadmium	50.0	49.5		ug/L		99	86 - 114
Chromium	500	493		ug/L		99	84 - 113
Cobalt	500	459		ug/L		92	85 - 112
Copper	500	483		ug/L		97	86 - 111
Lead	50.0	50.1		ug/L		100	86 - 114
Nickel	500	480		ug/L		96	85 - 113
Silver	50.0	50.0		ug/L		100	88 - 116
Zinc	500	542		ug/L		108	86 - 112
Vanadium	500	472		ug/L		94	84 - 112

Lab Sample ID: LCS 410-681233/2-A
Matrix: Water
Analysis Batch: 685231

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 681233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Barium	500	487		ug/L		97	86 - 114

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 410-682638/1-A
Matrix: Water
Analysis Batch: 686532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 682638

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.0		ug/L		08/12/25 10:26	08/16/25 14:48	1

Lab Sample ID: LCS 410-682638/2-A
Matrix: Water
Analysis Batch: 686532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 682638

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.20	J	ug/L		120	80 - 120

Lab Sample ID: MB 410-682657/1-A
Matrix: Water
Analysis Batch: 687961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 682657

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		2.0		ug/L		08/13/25 06:13	08/19/25 18:39	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 410-682657/2-A
Matrix: Water
Analysis Batch: 687961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 682657

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			1.00	1.03	J	ug/L		103	80 - 120		

GC/MS VOA

Analysis Batch: 681517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-7	16-2	Total/NA	Water	8260D	
410-234898-8	16-3	Total/NA	Water	8260D	
410-234898-9	16-5	Total/NA	Water	8260D	
410-234898-10	16WC2B	Total/NA	Water	8260D	
410-234898-11	16SPRING	Total/NA	Water	8260D	
MB 410-681517/8	Method Blank	Total/NA	Water	8260D	
LCS 410-681517/5	Lab Control Sample	Total/NA	Water	8260D	
LCS 410-681517/6	Lab Control Sample	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 681120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-7	16-2	Total/NA	Water	3510C	
410-234898-8	16-3	Total/NA	Water	3510C	
410-234898-9	16-5	Total/NA	Water	3510C	
410-234898-10	16WC2B	Total/NA	Water	3510C	
410-234898-11	16SPRING	Total/NA	Water	3510C	
MB 410-681120/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-681120/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 410-681120/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 681375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-7	16-2	Total/NA	Water	8270E	681120
410-234898-8	16-3	Total/NA	Water	8270E	681120
MB 410-681120/1-A	Method Blank	Total/NA	Water	8270E	681120
LCS 410-681120/2-A	Lab Control Sample	Total/NA	Water	8270E	681120
LCSD 410-681120/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	681120

Analysis Batch: 682464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-9	16-5	Total/NA	Water	8270E	681120
410-234898-10	16WC2B	Total/NA	Water	8270E	681120
410-234898-11	16SPRING	Total/NA	Water	8270E	681120

Metals

Prep Batch: 681233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-7	16-2	Total Recoverable	Water	3005A	
410-234898-8	16-3	Total Recoverable	Water	3005A	
410-234898-9	16-5	Total Recoverable	Water	3005A	
410-234898-10	16WC2B	Total Recoverable	Water	3005A	
410-234898-11	16SPRING	Total Recoverable	Water	3005A	
MB 410-681233/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-681233/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 682638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-7	16-2	Total/NA	Water	7470A	
410-234898-8	16-3	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 682638 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-9	16-5	Total/NA	Water	7470A	
410-234898-11	16SPRING	Total/NA	Water	7470A	
MB 410-682638/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-682638/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 682657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-10	16WC2B	Total/NA	Water	7470A	
MB 410-682657/1-A	Method Blank	Total/NA	Water	7470A	
LCS 410-682657/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 684622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-7	16-2	Total Recoverable	Water	6020B	681233
410-234898-8	16-3	Total Recoverable	Water	6020B	681233
410-234898-9	16-5	Total Recoverable	Water	6020B	681233
410-234898-10	16WC2B	Total Recoverable	Water	6020B	681233
410-234898-11	16SPRING	Total Recoverable	Water	6020B	681233
MB 410-681233/1-A	Method Blank	Total Recoverable	Water	6020B	681233
LCS 410-681233/2-A	Lab Control Sample	Total Recoverable	Water	6020B	681233

Analysis Batch: 685231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-7	16-2	Total Recoverable	Water	6020B	681233
410-234898-8	16-3	Total Recoverable	Water	6020B	681233
410-234898-9	16-5	Total Recoverable	Water	6020B	681233
410-234898-10	16WC2B	Total Recoverable	Water	6020B	681233
410-234898-11	16SPRING	Total Recoverable	Water	6020B	681233
MB 410-681233/1-A	Method Blank	Total Recoverable	Water	6020B	681233
LCS 410-681233/2-A	Lab Control Sample	Total Recoverable	Water	6020B	681233

Analysis Batch: 686532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-7	16-2	Total/NA	Water	7470A	682638
410-234898-8	16-3	Total/NA	Water	7470A	682638
410-234898-9	16-5	Total/NA	Water	7470A	682638
410-234898-11	16SPRING	Total/NA	Water	7470A	682638
MB 410-682638/1-A	Method Blank	Total/NA	Water	7470A	682638
LCS 410-682638/2-A	Lab Control Sample	Total/NA	Water	7470A	682638

Analysis Batch: 687961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-234898-10	16WC2B	Total/NA	Water	7470A	682657
MB 410-682657/1-A	Method Blank	Total/NA	Water	7470A	682657
LCS 410-682657/2-A	Lab Control Sample	Total/NA	Water	7470A	682657

Client Sample ID: 16-2
Lab Sample ID: 410-234898-7

Date Collected: 07/29/25 10:40
Matrix: Water
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 17:21
Total/NA	Prep	3510C			681120	L2FU	ELLE	08/05/25 16:09
Total/NA	Analysis	8270E		1	681375	RN6U	ELLE	08/06/25 18:34
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:35
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:50
Total/NA	Prep	7470A			682638	RFN5	ELLE	08/12/25 10:26
Total/NA	Analysis	7470A		1	686532	X3ZX	ELLE	08/16/25 15:35

Client Sample ID: 16-3
Lab Sample ID: 410-234898-8

Date Collected: 07/29/25 12:35
Matrix: Water
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 17:43
Total/NA	Prep	3510C			681120	L2FU	ELLE	08/05/25 16:09
Total/NA	Analysis	8270E		1	681375	RN6U	ELLE	08/06/25 18:54
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:31
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:38
Total/NA	Prep	7470A			682638	RFN5	ELLE	08/12/25 10:26
Total/NA	Analysis	7470A		1	686532	X3ZX	ELLE	08/16/25 15:41

Client Sample ID: 16-5
Lab Sample ID: 410-234898-9

Date Collected: 07/29/25 08:55
Matrix: Water
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 18:06
Total/NA	Prep	3510C			681120	L2FU	ELLE	08/05/25 16:09
Total/NA	Analysis	8270E		1	682464	W6ZA	ELLE	08/07/25 22:36
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:14
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:30
Total/NA	Prep	7470A			682638	RFN5	ELLE	08/12/25 10:26
Total/NA	Analysis	7470A		1	686532	X3ZX	ELLE	08/16/25 15:39

Lab Chronicle

Client: TRC, Engineers, Inc.
Job ID: 410-234898-2
Project/Site: RFAAP, Radford HWMU16

Client Sample ID: 16WC2B
Lab Sample ID: 410-234898-10
Date Collected: 07/29/25 09:55
Matrix: Water
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 18:28
Total/NA	Prep	3510C			681120	L2FU	ELLE	08/05/25 16:09
Total/NA	Analysis	8270E		1	682464	W6ZA	ELLE	08/07/25 22:57
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:29
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:36
Total/NA	Prep	7470A			682657	UJL8	ELLE	08/13/25 06:13
Total/NA	Analysis	7470A		1	687961	X3ZX	ELLE	08/19/25 18:54

Client Sample ID: 16SPRING
Lab Sample ID: 410-234898-11
Date Collected: 07/29/25 09:10
Matrix: Water
Date Received: 07/31/25 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	681517	N7YK	ELLE	08/06/25 18:50
Total/NA	Prep	3510C			681120	L2FU	ELLE	08/05/25 16:09
Total/NA	Analysis	8270E		1	682464	W6ZA	ELLE	08/07/25 23:17
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	685231	I9IN	ELLE	08/13/25 19:39
Total Recoverable	Prep	3005A			681233	UJL8	ELLE	08/11/25 04:22
Total Recoverable	Analysis	6020B		1	684622	I9IN	ELLE	08/12/25 23:54
Total/NA	Prep	7470A			682638	RFN5	ELLE	08/12/25 10:26
Total/NA	Analysis	7470A		1	686532	X3ZX	ELLE	08/16/25 15:22

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: TRC, Engineers, Inc. Job ID: 410-234898-2
Project/Site: RFAAP, Radford HWMU16

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Virginia	NELAP	460182	06-14-26

Method Summary

Client: TRC, Engineers, Inc.
Job ID: 410-234898-2
Project/Site: RFAAP, Radford HWMU16

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
7470A	Mercury (CVAA)	SW846	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
7470A	Preparation, Mercury	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: TRC, Engineers, Inc.
Project/Site: RFAAP, Radford HWMU16

Job ID: 410-234898-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
410-234898-7	16-2	Water	07/29/25 10:40	07/31/25 09:20	Virginia
410-234898-8	16-3	Water	07/29/25 12:35	07/31/25 09:20	Virginia
410-234898-9	16-5	Water	07/29/25 08:55	07/31/25 09:20	Virginia
410-234898-10	16WC2B	Water	07/29/25 09:55	07/31/25 09:20	Virginia
410-234898-11	16SPRING	Water	07/29/25 09:10	07/31/25 09:20	Virginia

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: IC 410-652703/3 Client Sample ID:

Date Analyzed: 06/04/25 17:23 Lab File ID: CU04X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dimethyl ether	1.80	Incomplete Integration	DVW2	06/05/25 11:04
Acetonitrile	3.41	Incomplete Integration	DVW2	06/05/25 11:04

Lab Sample ID: IC 410-652703/4 Client Sample ID:

Date Analyzed: 06/04/25 17:46 Lab File ID: CU04X03.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.50	Peak assignment corrected	DVW2	06/05/25 11:04

Lab Sample ID: IC 410-652703/5 Client Sample ID:

Date Analyzed: 06/04/25 18:08 Lab File ID: CU04X04.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dimethyl ether	1.81	Other	UKEK	06/06/25 08:38

Lab Sample ID: IC 410-652703/6 Client Sample ID:

Date Analyzed: 06/04/25 18:30 Lab File ID: CU04X05.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.46	Incomplete Integration	DVW2	06/05/25 11:03

Lab Sample ID: IC 410-652703/7 Client Sample ID:

Date Analyzed: 06/04/25 18:53 Lab File ID: CU04X06.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.45	Incomplete Integration	DVW2	06/05/25 11:03

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: IC 410-652703/8 Client Sample ID:

Date Analyzed: 06/04/25 19:15 Lab File ID: CU04X07.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.45	Incomplete Integration	DVW2	06/05/25 11:02

Lab Sample ID: IC 410-652703/9 Client Sample ID:

Date Analyzed: 06/04/25 19:37 Lab File ID: CU04X08.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.48	Incomplete Integration	DVW2	06/05/25 11:02

Lab Sample ID: IC 410-652703/13 Client Sample ID:

Date Analyzed: 06/04/25 21:06 Lab File ID: CU04X12.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.02	Incomplete Integration	DVW2	06/05/25 10:54
Bromomethane	2.35	Incomplete Integration	DVW2	06/05/25 10:54
Dichlorofluoromethane	2.57	Incomplete Integration	DVW2	06/05/25 10:55
Trichlorofluoromethane	2.68	Incomplete Integration	DVW2	06/05/25 10:55
Methyl iodide	3.26	Incomplete Integration	DVW2	06/05/25 10:55
Carbon disulfide	3.35	Other	UKEK	06/06/25 08:15
Methyl acetate	3.46	Incomplete Integration	DVW2	06/05/25 10:56
Allyl chloride	3.49	Peak assignment corrected	DVW2	06/05/25 10:56
t-Butyl alcohol	3.75	Incomplete Integration	DVW2	06/05/25 11:13
Tetrahydrofuran	5.87	Incomplete Integration	DVW2	06/05/25 10:57
t-Amyl methyl ether	6.92	Incomplete Integration	DVW2	06/05/25 10:57
n-Butanol	7.63	Incomplete Integration	DVW2	06/05/25 10:57
1,4-Dioxane	8.09	Incomplete Integration	DVW2	06/05/25 10:57

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: IC 410-652703/14 Client Sample ID:

Date Analyzed: 06/04/25 21:28 Lab File ID: CU04X13.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.03	Incomplete Integration	DVW2	06/05/25 10:52
Bromomethane	2.35	Incomplete Integration	DVW2	06/05/25 10:52
Dichlorofluoromethane	2.65	Incomplete Integration	DVW2	06/05/25 10:52
Carbon disulfide	3.35	Other	UKEK	06/06/25 08:13
t-Butyl alcohol	3.77	Other	UKEK	06/06/25 08:14
Tetrahydrofuran	5.86	Incomplete Integration	DVW2	06/05/25 10:53
Bromochloromethane	5.87	Peak assignment corrected	DVW2	06/05/25 10:53
Isobutyl alcohol	6.66	Incomplete Integration	DVW2	06/05/25 10:53
1,4-Dioxane	8.10	Incomplete Integration	DVW2	06/05/25 10:53

Lab Sample ID: IC 410-652703/15 Client Sample ID:

Date Analyzed: 06/04/25 21:51 Lab File ID: CU04X14.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.34	Incomplete Integration	DVW2	06/05/25 10:50
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:51
Trichlorofluoromethane	2.67	Incomplete Integration	DVW2	06/05/25 10:51
Carbon disulfide	3.34	Other	UKEK	06/06/25 08:12
Allyl chloride	3.49	Peak assignment corrected	DVW2	06/05/25 10:51
t-Butyl alcohol	3.76	Incomplete Integration	DVW2	06/05/25 11:13
1,4-Dioxane	8.08	Incomplete Integration	DVW2	06/05/25 10:51

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: IC 410-652703/16 Client Sample ID:

Date Analyzed: 06/04/25 22:13 Lab File ID: CU04X15.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.02	Incomplete Integration	DVW2	06/05/25 10:48
Bromomethane	2.35	Incomplete Integration	DVW2	06/05/25 10:48
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:48
Acrolein	2.98	Incomplete Integration	DVW2	06/05/25 10:49
Carbon disulfide	3.35	Other	UKEK	06/06/25 08:10
t-Butyl alcohol	3.77	Other	UKEK	06/06/25 08:11
Acrylonitrile	3.97	Incomplete Integration	DVW2	06/05/25 10:49
1,2-Dichloroethane	6.80	Other	UKEK	06/06/25 08:22
n-Butanol	7.58	Incomplete Integration	DVW2	06/05/25 10:50
1,4-Dioxane	8.08	Incomplete Integration	DVW2	06/05/25 10:50

Lab Sample ID: IC 410-652703/17 Client Sample ID:

Date Analyzed: 06/04/25 22:35 Lab File ID: CU04X16.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:46
Acrolein	2.98	Incomplete Integration	DVW2	06/05/25 10:47
Carbon disulfide	3.35	Incomplete Integration	DVW2	06/05/25 10:47
Methyl acetate	3.48	Incomplete Integration	DVW2	06/05/25 10:47
1,2-Dichloroethane	6.80	Other	UKEK	06/06/25 08:23
1,4-Dioxane	8.07	Incomplete Integration	DVW2	06/05/25 10:48

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: ICIS 410-652703/18 Client Sample ID:

Date Analyzed: 06/04/25 22:57 Lab File ID: CU04X17.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3-Butadiene	2.03	Incomplete Integration	DVW2	06/05/25 10:37
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:37
Carbon disulfide	3.35	Other	UKEK	06/06/25 08:09
Methyl acetate	3.47	Incomplete Integration	DVW2	06/05/25 10:39
1,4-Dioxane	8.07	Incomplete Integration	DVW2	06/05/25 10:42

Lab Sample ID: IC 410-652703/19 Client Sample ID:

Date Analyzed: 06/04/25 23:20 Lab File ID: CU04X18.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:44
Trichlorofluoromethane	2.67	Other	UKEK	06/06/25 08:07
Carbon disulfide	3.34	Incomplete Integration	DVW2	06/05/25 10:45
Methyl acetate	3.46	Incomplete Integration	DVW2	06/05/25 10:45
Allyl chloride	3.49	Peak assignment corrected	DVW2	06/05/25 10:45
1,2-Dichloroethane	6.80	Other	UKEK	06/06/25 08:27
1,4-Dioxane	8.07	Other	UKEK	06/06/25 08:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 652703

Lab Sample ID: ICV 410-652703/21 Client Sample ID:

Date Analyzed: 06/05/25 00:04 Lab File ID: CU04X20.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.35	Other	UKEK	06/06/25 08:04
Dichlorofluoromethane	2.63	Incomplete Integration	DVW2	06/05/25 10:58
Trichlorofluoromethane	2.68	Other	UKEK	06/06/25 08:03
Acrolein	2.98	Incomplete Integration	DVW2	06/05/25 10:59
Carbon disulfide	3.34	Other	UKEK	06/06/25 08:02
Methyl acetate	3.48	Incomplete Integration	DVW2	06/05/25 11:00
Allyl chloride	3.50	Peak assignment corrected	DVW2	06/05/25 11:01
1,4-Dioxane	8.08	Incomplete Integration	DVW2	06/05/25 11:01

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Analysis Batch Number: 681517

Lab Sample ID: CCVIS 410-681517/3 Client Sample ID:

Date Analyzed: 08/06/25 10:29 Lab File ID: CG06X02.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	3.33	Incomplete Integration	N7YK	08/06/25 12:32
Methyl acetate	3.46	Incomplete Integration	N7YK	08/06/25 12:32
1,4-Dioxane	8.07	Incomplete Integration	N7YK	08/06/25 12:32

Lab Sample ID: 410-234898-10 Client Sample ID: 16WC2B

Date Analyzed: 08/06/25 18:28 Lab File ID: CG06X22.D GC Column: R-624SilMS 3 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1-Trichloroethane		Invalid Compound ID	FQ4L	08/07/25 09:12

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 662998

Lab Sample ID: ICIS 410-662998/2 Client Sample ID:

Date Analyzed: 06/25/25 23:30 Lab File ID: DF2551.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene-d8 (IS)	5.17	Peak assignment corrected	N5QU	06/26/25 02:11
a-Terpineol	5.21	Peak assignment corrected	N5QU	06/26/25 02:12
4-Chloro-3-methylphenol	5.74	Peak assignment corrected	N5QU	06/26/25 02:12
2-Methylnaphthalene	5.85	Peak assignment corrected	N5QU	06/26/25 02:12
1-Methylnaphthalene	5.94	Peak assignment corrected	N5QU	06/26/25 02:12
5-Nitro-o-toluidine	7.38	Peak assignment corrected	N5QU	06/26/25 02:13
4,6-Dinitro-2-methylphenol	7.42	Peak assignment corrected	N5QU	06/26/25 02:13
1,2-Diphenylhydrazine	7.52	Peak assignment corrected	N5QU	06/26/25 02:13
cis-Diallate	7.76	Peak assignment corrected	N5QU	06/26/25 02:13
Phorate	7.77	Peak assignment corrected	N5QU	06/26/25 02:13
trans-Diallate	7.84	Peak assignment corrected	N5QU	06/26/25 02:13
Dimethoate	7.92	Peak assignment corrected	N5QU	06/26/25 02:13
Atrazine	8.01	Peak assignment corrected	N5QU	06/26/25 02:13
Phenanthrene-d10 (IS)	8.24	Peak assignment corrected	N5QU	06/26/25 02:11
Phenanthrene	8.26	Peak assignment corrected	N5QU	06/26/25 02:13
Anthracene	8.31	Peak assignment corrected	N5QU	06/26/25 02:13
Isodrin	9.24	Peak assignment corrected	N5QU	06/26/25 02:14
Fluoranthene	9.38	Peak assignment corrected	N5QU	06/26/25 02:14
Pyrene	9.59	Peak assignment corrected	N5QU	06/26/25 02:14

Lab Sample ID: IC 410-662998/3 Client Sample ID:

Date Analyzed: 06/25/25 23:57 Lab File ID: DF2552.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.59	Peak assignment corrected	W6ZA	06/26/25 07:05
2-Chloronaphthalene	6.32	Incomplete Integration	W6ZA	06/26/25 07:06
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:06
Benzo[a]pyrene	12.45	Incomplete Integration	W6ZA	06/26/25 07:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 662998

Lab Sample ID: IC 410-662998/5 Client Sample ID:

Date Analyzed: 06/26/25 00:39 Lab File ID: DF2554.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:24
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:24

Lab Sample ID: IC 410-662998/6 Client Sample ID:

Date Analyzed: 06/26/25 00:59 Lab File ID: DF2555.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:25
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:25

Lab Sample ID: IC 410-662998/7 Client Sample ID:

Date Analyzed: 06/26/25 01:20 Lab File ID: DF2556.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	1.96	Incomplete Integration	W6ZA	06/26/25 07:26
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:26
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:27

Lab Sample ID: IC 410-662998/8 Client Sample ID:

Date Analyzed: 06/26/25 01:41 Lab File ID: DF2557.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.02	Incomplete Integration	W6ZA	06/26/25 07:28
Isosafrole Peak 1	6.06	Peak assignment corrected	W6ZA	06/26/25 07:28
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:28
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:28
Disulfoton	8.26	Peak assignment corrected	W6ZA	06/26/25 07:29

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 662998

Lab Sample ID: IC 410-662998/9 Client Sample ID:

Date Analyzed: 06/26/25 02:03 Lab File ID: DF2558.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.06	Incomplete Integration	W6ZA	06/26/25 07:30
Isosafrole Peak 1	6.05	Peak assignment corrected	W6ZA	06/26/25 07:30
2-Chloronaphthalene	6.31	Incomplete Integration	W6ZA	06/26/25 07:30
1-Chloronaphthalene	6.33	Incomplete Integration	W6ZA	06/26/25 07:30
trans-Diallate	7.85	Incomplete Integration	W6ZA	06/26/25 07:31
Disulfoton	8.26	Peak assignment corrected	W6ZA	06/26/25 07:31

Lab Sample ID: ICV 410-662998/12 Client Sample ID:

Date Analyzed: 06/26/25 03:14 Lab File ID: DF2561.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	7.76	Peak assignment corrected	W6ZA	06/26/25 07:36
1,4-phenylenediamine		Peak assignment corrected	W6ZA	06/26/25 08:25
Hexachlorocyclopentadiene		Peak assignment corrected	W6ZA	06/26/25 08:25

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP19760 Analysis Batch Number: 682464

Lab Sample ID: 410-234898-10 Client Sample ID: 16WC2B

Date Analyzed: 08/07/25 22:57 Lab File ID: DH0758.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	W6ZA	08/08/25 15:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 630243

Lab Sample ID: IC 410-630243/4 Client Sample ID:

Date Analyzed: 04/14/25 12:24 Lab File ID: JD1404.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.81	Split Peak	N5QU	04/14/25 15:21
1-Chloronaphthalene	6.82	Split Peak	N5QU	04/14/25 15:21

Lab Sample ID: IC 410-630243/6 Client Sample ID:

Date Analyzed: 04/14/25 13:07 Lab File ID: JD1406.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene	13.28	Split Peak	N5QU	04/14/25 15:26

Lab Sample ID: IC 410-630243/7 Client Sample ID:

Date Analyzed: 04/14/25 13:28 Lab File ID: JD1407.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.44	Split Peak	N5QU	04/14/25 15:27

Lab Sample ID: IC 410-630243/8 Client Sample ID:

Date Analyzed: 04/14/25 13:50 Lab File ID: JD1408.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Picoline	2.70	Split Peak	N5QU	04/14/25 15:30
N-Nitrosodiethylamine	3.40	Split Peak	N5QU	04/14/25 15:30
2-Nitrophenol	5.30	Peak assignment corrected	N5QU	04/14/25 15:31
Isosafrole Peak 1	6.54	Peak assignment corrected	N5QU	04/14/25 15:31
1,3,5-Trinitrobenzene	8.23	Peak assignment corrected	N5QU	04/14/25 15:32
4-Bromophenyl phenyl ether	8.33	Split Peak	N5QU	04/14/25 15:32
trans-Diallate	8.33	Split Peak	N5QU	04/14/25 15:32
N,N-dimethylformamide		Invalid Compound ID	N5QU	04/14/25 15:29

8270E

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 630243

Lab Sample ID: IC 410-630243/9 Client Sample ID:

Date Analyzed: 04/14/25 14:11 Lab File ID: JD1409.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isosafrole Peak 1	6.53	Peak assignment corrected	N5QU	04/14/25 15:35
3-Nitroaniline	7.30	Peak assignment corrected	N5QU	04/14/25 15:36
Dimethoate	8.41	Peak assignment corrected	N5QU	04/14/25 15:36
1,4-Dioxane		Invalid Compound ID	N5QU	04/14/25 15:34
N,N-dimethylformamide		Invalid Compound ID	N5QU	04/14/25 15:34
N-Nitrosomethylethylamine		Invalid Compound ID	N5QU	04/14/25 15:34

Lab Sample ID: ICV 410-630243/12 Client Sample ID:

Date Analyzed: 04/14/25 15:15 Lab File ID: JD1412.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aramite Peak 1		Invalid Compound ID	N5QU	04/14/25 18:46
Aramite Peak 2		Invalid Compound ID	N5QU	04/14/25 18:46
Aramite Peak 3		Invalid Compound ID	N5QU	04/14/25 18:46
Aramite Peak 4		Invalid Compound ID	N5QU	04/14/25 18:46
Benzidine		Invalid Compound ID	N5QU	04/14/25 18:42
Benzoic acid		Invalid Compound ID	N5QU	04/14/25 18:40
Famphur		Invalid Compound ID	N5QU	04/14/25 18:46
Hexachlorocyclopentadiene		Invalid Compound ID	N5QU	04/14/25 18:41
Pyridine		Invalid Compound ID	N5QU	04/14/25 20:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 641051

Lab Sample ID: ICIS 410-641051/2 Client Sample ID:

Date Analyzed: 05/07/25 23:49 Lab File ID: JE0751a.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.71	Split Peak	N5QU	05/08/25 00:45
1-Chloronaphthalene	6.72	Split Peak	N5QU	05/08/25 00:45

Lab Sample ID: IC 410-641051/3 Client Sample ID:

Date Analyzed: 05/08/25 00:10 Lab File ID: JE0752.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.71	Split Peak	N5QU	05/08/25 00:48
1-Chloronaphthalene	6.72	Split Peak	N5QU	05/08/25 00:48
Famphur		Invalid Compound ID	N5QU	05/08/25 00:50

Lab Sample ID: IC 410-641051/4 Client Sample ID:

Date Analyzed: 05/08/25 00:31 Lab File ID: JE0753.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Famphur		Invalid Compound ID	N5QU	05/08/25 00:53

Lab Sample ID: IC 410-641051/6 Client Sample ID:

Date Analyzed: 05/08/25 01:14 Lab File ID: JE0755.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.70	Incomplete Integration	W6ZA	05/08/25 06:56
N,N-dimethylformamide	2.31	Incomplete Integration	W6ZA	05/08/25 06:56
Disulfoton	8.66	Peak assignment corrected	W6ZA	05/08/25 06:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 641051

Lab Sample ID: IC 410-641051/7 Client Sample ID:

Date Analyzed: 05/08/25 01:36 Lab File ID: JE0756.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Disulfoton	8.66	Peak assignment corrected	W6ZA	05/08/25 06:58
Famphur	10.62	Peak assignment corrected	W6ZA	05/08/25 06:58

Lab Sample ID: IC 410-641051/8 Client Sample ID:

Date Analyzed: 05/08/25 01:57 Lab File ID: JE0757.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol-d5 (Surr)	3.98	Incomplete Integration	W6ZA	05/08/25 06:59
Aniline	4.03	Peak assignment corrected	W6ZA	05/08/25 06:59
2,4,5-Trichlorophenol	6.55	Incomplete Integration	W6ZA	05/08/25 06:59
2-Nitroaniline	6.82	Peak assignment corrected	W6ZA	05/08/25 07:00
1,3-Dinitrobenzene	7.02	Incomplete Integration	W6ZA	05/08/25 07:00
trans-Diallate	8.23	Peak assignment corrected	W6ZA	05/08/25 07:00
Disulfoton	8.66	Peak assignment corrected	W6ZA	05/08/25 07:00
Famphur	10.62	Peak assignment corrected	W6ZA	05/08/25 07:00
Dibenz(a,h)anthracene	14.75	Incomplete Integration	W6ZA	05/08/25 07:01

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 641051

Lab Sample ID: IC 410-641051/9 Client Sample ID:

Date Analyzed: 05/08/25 02:18 Lab File ID: JE0758.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichlorobenzene	4.49	Peak assignment corrected	W6ZA	05/08/25 07:16
3,4-Methylphenol	4.75	Incomplete Integration	W6ZA	05/08/25 07:14
Nitrobenzene	4.88	Peak assignment corrected	W6ZA	05/08/25 07:01
Safrole, Total	6.16	Peak assignment corrected	W6ZA	05/08/25 07:02
Isosafrole Peak 2	6.66	Peak assignment corrected	W6ZA	05/08/25 07:02
2,3,4,6-Tetrachlorophenol	7.55	Peak assignment corrected	W6ZA	05/08/25 07:02
trans-Diallate	8.24	Peak assignment corrected	W6ZA	05/08/25 07:20
Dimethoate	8.32	Peak assignment corrected	W6ZA	05/08/25 07:02
Atrazine	8.39	Peak assignment corrected	W6ZA	05/08/25 07:02
4-Aminobiphenyl	8.48	Peak assignment corrected	W6ZA	05/08/25 07:02
Famphur	10.62	Peak assignment corrected	W6ZA	05/08/25 07:02

Lab Sample ID: ICV 410-641051/12 Client Sample ID:

Date Analyzed: 05/08/25 03:22 Lab File ID: JE0761.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-phenylenediamine		Peak assignment corrected	W6ZA	05/08/25 08:15
Famphur		Peak assignment corrected	W6ZA	05/08/25 08:14

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 663002

Lab Sample ID: ICIS 410-663002/2 Client Sample ID:

Date Analyzed: 06/25/25 23:02 Lab File ID: JF2551.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Safrole, Total	5.85	Peak assignment corrected	N5QU	06/26/25 01:57
2-Methylnaphthalene	5.92	Peak assignment corrected	N5QU	06/26/25 01:57
1-Methylnaphthalene	6.01	Peak assignment corrected	N5QU	06/26/25 01:57
2-Chloronaphthalene	6.38	Split Peak	N5QU	06/26/25 01:58
1-Chloronaphthalene	6.40	Split Peak	N5QU	06/26/25 01:58

Lab Sample ID: IC 410-663002/3 Client Sample ID:

Date Analyzed: 06/25/25 23:30 Lab File ID: JF2552.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trinitrobenzene	7.87	Peak assignment corrected	W6ZA	06/26/25 09:40

Lab Sample ID: IC 410-663002/4 Client Sample ID:

Date Analyzed: 06/25/25 23:52 Lab File ID: JF2553.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]pyrene	12.57	Incomplete Integration	W6ZA	06/26/25 09:41

Lab Sample ID: IC 410-663002/5 Client Sample ID:

Date Analyzed: 06/26/25 00:13 Lab File ID: JF2554.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.38	Incomplete Integration	W6ZA	06/26/25 09:42
1-Chloronaphthalene	6.40	Incomplete Integration	W6ZA	06/26/25 09:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 663002

Lab Sample ID: IC 410-663002/6 Client Sample ID:

Date Analyzed: 06/26/25 00:34 Lab File ID: JF2555.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Chloronaphthalene	6.38	Incomplete Integration	W6ZA	06/26/25 09:43
1-Chloronaphthalene	6.40	Incomplete Integration	W6ZA	06/26/25 09:44

Lab Sample ID: IC 410-663002/7 Client Sample ID:

Date Analyzed: 06/26/25 00:56 Lab File ID: JF2556.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N,N-dimethylformamide	2.13	Incomplete Integration	W6ZA	06/26/25 09:45
2-Chloronaphthalene	6.38	Incomplete Integration	W6ZA	06/26/25 09:45
1-Chloronaphthalene	6.40	Incomplete Integration	W6ZA	06/26/25 09:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 663002

Lab Sample ID: IC 410-663002/8 Client Sample ID:

Date Analyzed: 06/26/25 01:17 Lab File ID: JF2557.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene	4.01	Peak assignment corrected	W6ZA	06/26/25 09:47
1,2-Dichlorobenzene	4.16	Peak assignment corrected	W6ZA	06/26/25 09:47
2-Nitrophenol	4.88	Peak assignment corrected	W6ZA	06/26/25 09:47
1,4-phenylenediamine	5.77	Peak assignment corrected	W6ZA	06/26/25 09:47
Isosafrole Peak 1	6.13	Peak assignment corrected	W6ZA	06/26/25 09:47
2-Chloronaphthalene	6.38	Incomplete Integration	W6ZA	06/26/25 09:47
1-Chloronaphthalene	6.40	Incomplete Integration	W6ZA	06/26/25 09:47
1,4-Dinitrobenzene	6.65	Peak assignment corrected	W6ZA	06/26/25 09:48
1,3-Dinitrobenzene	6.71	Peak assignment corrected	W6ZA	06/26/25 09:48
4-Nitroaniline	7.48	Peak assignment corrected	W6ZA	06/26/25 09:48
1,3,5-Trinitrobenzene	7.86	Peak assignment corrected	W6ZA	06/26/25 09:48
trans-Diallate	7.91	Peak assignment corrected	W6ZA	06/26/25 09:48
4-Nitroquinoline-1-oxide	9.10	Peak assignment corrected	W6ZA	06/26/25 09:48
Dibenz[a,j]acridine	13.88	Peak assignment corrected	W6ZA	06/26/25 09:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 663002

Lab Sample ID: IC 410-663002/9 Client Sample ID:

Date Analyzed: 06/26/25 01:38 Lab File ID: JF2558.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzaldehyde	3.59	Peak assignment corrected	W6ZA	06/26/25 09:50
Aniline	3.69	Peak assignment corrected	W6ZA	06/26/25 09:50
2-Chlorophenol	3.81	Peak assignment corrected	W6ZA	06/26/25 09:50
Benzyl alcohol	4.17	Peak assignment corrected	W6ZA	06/26/25 09:50
2-Methylphenol	4.28	Peak assignment corrected	W6ZA	06/26/25 09:50
3,4-Methylphenol	4.45	Peak assignment corrected	W6ZA	06/26/25 09:51
4-Chloro-3-methylphenol	5.83	Peak assignment corrected	W6ZA	06/26/25 09:51
Isosafrole Peak 2	6.35	Peak assignment corrected	W6ZA	06/26/25 09:51
1,3,5-Trinitrobenzene	7.86	Peak assignment corrected	W6ZA	06/26/25 09:51
Dimethoate	8.00	Peak assignment corrected	W6ZA	06/26/25 09:51
Disulfoton	8.34	Peak assignment corrected	W6ZA	06/26/25 09:52
p-Dimethylamino azobenzene	9.98	Incomplete Integration	W6ZA	06/26/25 09:52
Dibenz[a,j]acridine	13.88	Incomplete Integration	W6ZA	06/26/25 09:49

Lab Sample ID: ICV 410-663002/12 Client Sample ID:

Date Analyzed: 06/26/25 02:43 Lab File ID: JF2561.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,4,5-Tetrachlorobenzene	6.08	Peak assignment corrected	W6ZA	06/26/25 09:57
1,3,5-Trinitrobenzene	7.86	Peak assignment corrected	W6ZA	06/26/25 09:58
1,4-phenylenediamine		Peak assignment corrected	W6ZA	06/26/25 09:57
Hexachlorocyclopentadiene		Invalid Compound ID	W6ZA	06/26/25 10:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Analysis Batch Number: 681375

Lab Sample ID: MB 410-681120/1-A Client Sample ID:

Date Analyzed: 08/06/25 11:47 Lab File ID: HG0611.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	RN6U	08/06/25 17:08

Lab Sample ID: 410-234898-7 Client Sample ID: 16-2

Date Analyzed: 08/06/25 18:34 Lab File ID: HG0631.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	RN6U	08/06/25 20:43

Lab Sample ID: 410-234898-8 Client Sample ID: 16-3

Date Analyzed: 08/06/25 18:54 Lab File ID: HG0632.D GC Column: DB-5MS 30m 0 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	RN6U	08/06/25 20:43

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Hg_0.1Control_00281	08/19/25	08/12/25	2% HCl, Lot 8193924	10 mL	Hg_1Control_00268	1 mL	Mercury	0.1 ug/mL
.Hg_1Control_00268	08/19/25	08/12/25	2% HCl, Lot 8193924	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
..MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1503810			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Cal_00268	08/19/25	08/12/25	2% HCl, Lot 8193924	10 mL	MT_S_10Hg_CPI_00002	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
Hg_1Control_00268	08/19/25	08/12/25	2% HCl, Lot 8193924	10 mL	MT_S_10Hg_CPI_00003	1 mL	Mercury	1 ug/mL
.MT_S_10Hg_CPI_00003	02/10/26	CPI International, Lot 1503810			(Purchased Reagent)		Mercury	10 ug/mL
Hg_5%KMnO4_00553	01/03/26	07/03/25	DI Water, Lot DI07032025	2000 mL	MT_KMnO4_LC_00002	100.21 g	Potassium Permanganate	4.98044 %
.MT_KMnO4_LC_00002	08/06/26	Lab Chem, Lot 44100407			(Purchased Reagent)		Potassium Permanganate	99.4 %
Hg_5%KMnO4_00585	02/06/26	08/06/25	DI Water, Lot DI08062025	2000 mL	MT_KMnO4_LC_00001	100.248 g	Potassium Permanganate	4.98233 %
.MT_KMnO4_LC_00001	08/13/26	Lab Chem, Lot 44100120			(Purchased Reagent)		Potassium Permanganate	99.4 %
Hg_5%KMnO4_00590	02/12/26	08/12/25	DI Water, Lot DI08122025	2000 mL	MT_KMnO4_LC_00002	100.173 g	Potassium Permanganate	4.9786 %
.MT_KMnO4_LC_00002	08/06/26	Lab Chem, Lot 44100407			(Purchased Reagent)		Potassium Permanganate	99.4 %
MP_1:1HCl_00053	01/24/26	07/24/25	DI Water, Lot DI07242025	20000 mL	MT_HCL_VWR_00002	10000 mL	Hydrogen Chloride	185000 ug/mL
.MT_HCL_VWR_00002	11/19/27	VWR, Lot 4124090			(Purchased Reagent)		Hydrogen Chloride	37 %
MP_1:1HNO3_00088	01/29/26	07/29/25	DI Water, Lot DI07142025	20000 mL	MT_HNO3_FI_00021	10000 mL	Nitric acid	347500 ug/mL
.MT_HNO3_FI_00021	06/12/30	ThermoFisher Scientific, Lot 251192			(Purchased Reagent)		Nitric acid	69.5 %
MP_40Hg_IV_00262	08/22/25	08/15/25	DI Water, Lot DI07012025	200 mL	MT_HNO3_FI_00018	0.3 mL	Nitric acid	1045.5 ug/mL
					MT_S_10Hg_CPI_00002	0.8 mL	Mercury	0.04 ug/mL
.MT_HNO3_FI_00018	02/17/30	ThermoFisher Scientific, Lot 245385			(Purchased Reagent)		Nitric acid	69.7 %
.MT_S_10Hg_CPI_00002	02/10/26	CPI International, Lot 1452342			(Purchased Reagent)		Mercury	10 ug/mL
MP_5K2S2O8_00152	01/10/26	07/10/25	DI Water, Lot DI07102025	2000 mL	MT_K2S2O8_JT_00053	100.044 g	Potassium persulfate	4.97719 %
.MT_K2S2O8_JT_00053	07/26/28	J.T.Baker, Lot 22D2261044			(Purchased Reagent)		Potassium persulfate	99.5 %
MP_5K2S2O8_00156	02/06/26	08/06/25	DI Water, Lot DI08062025	2000 mL	MT_K2S2O8_JT_00052	100.249 g	Potassium persulfate	4.98739 %
.MT_K2S2O8_JT_00052	05/14/26	J.T.Baker, Lot 22D2261044			(Purchased Reagent)		Potassium persulfate	99.5 %
MP_NaClHNO_00370	01/08/26	07/08/25	DI Water, Lot DI07082025	2000 mL	MT_H3NO_Fishe_00061	240.449 g	Hydroxylamine hydrochloride	11.9864 %
					MT_NaCl_Fis_00001	240.203 g	Sodium Chloride	12.0101 %
.MT_H3NO_Fishe_00061	07/03/26	Fisher, Lot 243373			(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	07/24/26	Fisher, Lot 243064			(Purchased Reagent)		Sodium Chloride	100 %
MP_NaClHNO_00380	02/05/26	08/05/25	DI Water, Lot DI08052025	2000 mL	MT_H3NO_Fishe_00064	240.315 g	Hydroxylamine hydrochloride	11.9797 %
					MT_NaCl_Fis_00001	240.142 g	Sodium Chloride	12.0071 %

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MT_H3NO_Fishe_00064	08/19/26		Fisher, Lot 244607		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	07/24/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MP_NaClHNO_00381	02/05/26	08/05/25	DI Water, Lot DI08052025	2000 mL	MT_H3NO_Fishe_00064	240.153 g	Hydroxylamine hydrochloride	11.9716 %
					MT_NaCl_Fis_00001	240.402 g	Sodium Chloride	12.0201 %
.MT_H3NO_Fishe_00064	08/19/26		Fisher, Lot 244607		(Purchased Reagent)		Hydroxylamine hydrochloride	99.7 %
.MT_NaCl_Fis_00001	07/24/26		Fisher, Lot 243064		(Purchased Reagent)		Sodium Chloride	100 %
MSS_RV8270_1_00042	06/23/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_RV8270_2_00043	1000 uL	Benzidine	0.375 ppm
							1,3,5-Trinitrobenzene	0.125 ppm
							1,4-Dinitrobenzene	0.125 ppm
							1-Naphthylamine	0.125 ppm
							2-Acetylaminofluorene	0.125 ppm
							2-Naphthylamine	0.125 ppm
							2-Picoline	0.125 ppm
							2-Toluidine	0.125 ppm
							3,3'-Dimethylbenzidine	0.125 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.125 ppm
							4-Aminobiphenyl	0.125 ppm
							4-Nitroquinoline-1-oxide	0.125 ppm
							alpha,alpha-Dimethyl phenethylamine	0.125 ppm
							Dibenz[a,h]acridine	0.125 ppm
							N-Nitro-o-toluidine	0.125 ppm
							N-Nitrosodi-n-butylamine	0.125 ppm
							N-Nitrosodiethylamine	0.125 ppm
							N-Nitrosomethylethylamine	0.125 ppm
							N-Nitrosomorpholine	0.125 ppm
							N-Nitrosopiperidine	0.125 ppm
							N-Nitrosopyrrolidine	0.125 ppm
							p-Dimethylamino azobenzene	0.125 ppm
							p-Phenylene diamine	0.125 ppm
							Pentachloronitrobenzene	0.125 ppm
							Phenacetin	0.125 ppm
							Pronamide	0.125 ppm
							Quinoline	0.125 ppm
							1,4-Naphthoquinone	0.125 ppm
							1-Chloronaphthalene	0.125 ppm
							7,12-Dimethylbenz(a)anthracene	0.125 ppm
							Chlorobenzilate	0.125 ppm
							Dinoseb	0.125 ppm
							Ethyl methanesulfonate	0.125 ppm
							Hexachloropropene	0.125 ppm
							Isodrin	0.125 ppm
							Isosafrole Peak 1	0.02 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	0.105 ppm
							Methyl methanesulfonate	0.125 ppm
							Pentachlorobenzene	0.125 ppm
							3-Methylcholanthrene	0.125 ppm
							6-Methylchrysene	0.125 ppm
							cis-Diallate	0.0925 ppm
							Dimethoate	0.125 ppm
							Disulfoton	0.125 ppm
							Ethyl Parathion	0.125 ppm
							Famphur	0.125 ppm
							Methyl parathion	0.125 ppm
							o,o',o''-Triethylphosphorothioate	0.125 ppm
							Phorate	0.125 ppm
							Safrole, Total	0.125 ppm
							Sulfotepp	0.125 ppm
							Thionazin	0.125 ppm
							trans-Diallate	0.0325 ppm
							2,4,6-Tribromophenol (Surr)	0.25 ppm
							2-Fluorobiphenyl (Surr)	0.25 ppm
							2-Fluorophenol (Surr)	0.25 ppm
							Nitrobenzene-d5 (Surr)	0.25 ppm
							p-Terphenyl-d14 (Surr)	0.25 ppm
							Phenol-d5 (Surr)	0.25 ppm
							Alpha-Terpineol	0.125 ppm
							Dimethylformamide	0.125 ppm
							Octachlorostyrene	0.125 ppm
							Phenyl ether	0.125 ppm
							Dibenz[a,j]acridine	0.125 ppm
							1,1'-Biphenyl	0.125 ppm
							1,2,4,5-Tetrachlorobenzene	0.125 ppm
							1,2,4-Trichlorobenzene	0.125 ppm
							1,2-Dichlorobenzene	0.125 ppm
							1,2-Diphenylhydrazine	0.125 ppm
							1,3-Dichlorobenzene	0.125 ppm
							1,3-Dinitrobenzene	0.125 ppm
							1,4-Dichlorobenzene	0.125 ppm
							1,4-Dioxane	0.125 ppm
							1-Methylnaphthalene	0.125 ppm
							2,2'-oxybis[1-chloropropane]	0.125 ppm
							2,3,4,6-Tetrachlorophenol	0.125 ppm
							2,4,5-Trichlorophenol	0.125 ppm
							2,4,6-Trichlorophenol	0.125 ppm
							2,4-Dichlorophenol	0.125 ppm
							2,4-Dimethylphenol	0.125 ppm
							2,4-Dinitrophenol	1.25 ppm
							2,4-Dinitrotoluene	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	0.125 ppm
							2,6-Dinitrotoluene	0.125 ppm
							2-Chloronaphthalene	0.125 ppm
							2-Chlorophenol	0.125 ppm
							2-Methylnaphthalene	0.125 ppm
							2-Methylphenol	0.125 ppm
							2-Nitroaniline	0.125 ppm
							2-Nitrophenol	0.125 ppm
							3-Nitroaniline	0.125 ppm
							4,6-Dinitro-2-methylphenol	0.75 ppm
							4-Bromophenyl phenyl ether	0.125 ppm
							4-Chloro-3-methylphenol	0.125 ppm
							4-Chloroaniline	0.125 ppm
							4-Chlorophenyl phenyl ether	0.125 ppm
							4-Methylphenol	0.125 ppm
							4-Nitroaniline	0.125 ppm
							4-Nitrophenol	0.75 ppm
							Acenaphthene	0.125 ppm
							Acenaphthylene	0.125 ppm
							Acetophenone	0.125 ppm
							Aniline	0.125 ppm
							Anthracene	0.125 ppm
							Benzo[a]anthracene	0.125 ppm
							Benzo[a]pyrene	0.125 ppm
							Benzo[b]fluoranthene	0.125 ppm
							Benzo[g,h,i]perylene	0.125 ppm
							Benzo[k]fluoranthene	0.125 ppm
							Benzyl alcohol	0.125 ppm
							Bis(2-chloroethoxy)methane	0.125 ppm
							Bis(2-chloroethyl)ether	0.125 ppm
							Bis(2-ethylhexyl) phthalate	0.125 ppm
							Butyl benzyl phthalate	0.125 ppm
							Carbazole	0.125 ppm
							Chrysene	0.125 ppm
							Di-n-butyl phthalate	0.125 ppm
							Di-n-octyl phthalate	0.125 ppm
							Dibenz(a,h)anthracene	0.125 ppm
							Dibenzofuran	0.125 ppm
							Diethyl phthalate	0.125 ppm
							Dimethyl phthalate	0.125 ppm
							Fluoranthene	0.125 ppm
							Fluorene	0.125 ppm
							Hexachlorobenzene	0.125 ppm
							Hexachlorobutadiene	0.125 ppm
							Hexachlorocyclopentadiene	0.125 ppm
							Hexachloroethane	0.125 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	0.125 ppm
							Isophorone	0.125 ppm
							N-Nitrosodi-n-propylamine	0.125 ppm
							N-Nitrosodimethylamine	0.125 ppm
							N-Nitrosodiphenylamine	0.10625 ppm
							Naphthalene	0.125 ppm
							Nitrobenzene	0.125 ppm
							Pentachlorophenol	0.625 ppm
							Phenanthrene	0.125 ppm
							Phenol	0.125 ppm
							Pyrene	0.125 ppm
							Pyridine	0.25 ppm
							3,3'-Dichlorobenzidine	0.125 ppm
							Atrazine	0.125 ppm
							Benzaldehyde	0.125 ppm
							Caprolactam	0.125 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
					MSS_RV8270_IS_00103	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_2_00043	06/23/25	02/27/25	MeCl2, Lot 64313	5 mL	MSS_8270_APWS_00024	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							alpha,alpha-Dimethyl phenethylamine	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitro-o-toluidine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Famphur	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00026	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,2'-oxybis[1-chloropropane]	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl phenyl ether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl phenyl ether	0.25 ppm
							4-Methylphenol	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butyl benzyl phthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							N-Nitrosodiphenylamine	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00017	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00103	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
...MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
...OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
...OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
..MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
...OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
...MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_1_00043	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_RV8270_2_00044	1000 uL	Benzidine	0.375 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trinitrobenzene	0.125 ppm
							1,4-Dinitrobenzene	0.125 ppm
							1-Naphthylamine	0.125 ppm
							2-Acetylaminofluorene	0.125 ppm
							2-Naphthylamine	0.125 ppm
							2-Picoline	0.125 ppm
							2-Toluidine	0.125 ppm
							3,3'-Dimethylbenzidine	0.125 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.125 ppm
							4-Aminobiphenyl	0.125 ppm
							4-Nitroquinoline-1-oxide	0.125 ppm
							Dibenz[a,h]acridine	0.125 ppm
							N-Nitro-o-toluidine	0.125 ppm
							N-Nitrosodi-n-butylamine	0.125 ppm
							N-Nitrosodiethylamine	0.125 ppm
							N-Nitrosomethylethylamine	0.125 ppm
							N-Nitrosomorpholine	0.125 ppm
							N-Nitrosopiperidine	0.125 ppm
							N-Nitrosopyrrolidine	0.125 ppm
							p-Dimethylamino azobenzene	0.125 ppm
							p-Phenylene diamine	0.125 ppm
							Pentachloronitrobenzene	0.125 ppm
							Phenacetin	0.125 ppm
							Pronamide	0.125 ppm
							Quinoline	0.125 ppm
							1,4-Naphthoquinone	0.125 ppm
							1-Chloronaphthalene	0.125 ppm
							7,12-Dimethylbenz(a)anthracene	0.125 ppm
							Chlorobenzilate	0.125 ppm
							Dinoseb	0.125 ppm
							Ethyl methanesulfonate	0.125 ppm
							Hexachloropropene	0.125 ppm
							Isodrin	0.125 ppm
							Isosafrole Peak 1	0.02 ppm
							Isosafrole Peak 2	0.105 ppm
							Methyl methanesulfonate	0.125 ppm
							Pentachlorobenzene	0.125 ppm
							3-Methylcholanthrene	0.125 ppm
							6-Methylchrysene	0.125 ppm
							cis-Diallate	0.0925 ppm
							Dimethoate	0.125 ppm
							Disulfoton	0.125 ppm
							Ethyl Parathion	0.125 ppm
							Methyl parathion	0.125 ppm
							o,o',o''-Triethylphosphorothioate	0.125 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phorate	0.125 ppm
							Safrole, Total	0.125 ppm
							Sulfotepp	0.125 ppm
							Thionazin	0.125 ppm
							trans-Diallate	0.0325 ppm
							2,4,6-Tribromophenol (Surr)	0.25 ppm
							2-Fluorobiphenyl (Surr)	0.25 ppm
							2-Fluorophenol (Surr)	0.25 ppm
							Nitrobenzene-d5 (Surr)	0.25 ppm
							p-Terphenyl-d14 (Surr)	0.25 ppm
							Phenol-d5 (Surr)	0.25 ppm
							Alpha-Terpineol	0.125 ppm
							Dimethylformamide	0.125 ppm
							Octachlorostyrene	0.125 ppm
							Phenyl ether	0.125 ppm
							Dibenz[a,j]acridine	0.125 ppm
							1,1'-Biphenyl	0.125 ppm
							1,2,4,5-Tetrachlorobenzene	0.125 ppm
							1,2,4-Trichlorobenzene	0.125 ppm
							1,2-Dichlorobenzene	0.125 ppm
							1,2-Diphenylhydrazine	0.125 ppm
							1,3-Dichlorobenzene	0.125 ppm
							1,3-Dinitrobenzene	0.125 ppm
							1,4-Dichlorobenzene	0.125 ppm
							1,4-Dioxane	0.125 ppm
							1-Methylnaphthalene	0.125 ppm
							2,2'-oxybis[1-chloropropane]	0.125 ppm
							2,3,4,6-Tetrachlorophenol	0.125 ppm
							2,4,5-Trichlorophenol	0.125 ppm
							2,4,6-Trichlorophenol	0.125 ppm
							2,4-Dichlorophenol	0.125 ppm
							2,4-Dimethylphenol	0.125 ppm
							2,4-Dinitrophenol	1.25 ppm
							2,4-Dinitrotoluene	0.125 ppm
							2,6-Dichlorophenol	0.125 ppm
							2,6-Dinitrotoluene	0.125 ppm
							2-Chloronaphthalene	0.125 ppm
							2-Chlorophenol	0.125 ppm
							2-Methylnaphthalene	0.125 ppm
							2-Methylphenol	0.125 ppm
							2-Nitroaniline	0.125 ppm
							2-Nitrophenol	0.125 ppm
							3-Nitroaniline	0.125 ppm
							4,6-Dinitro-2-methylphenol	0.75 ppm
							4-Bromophenyl phenyl ether	0.125 ppm
							4-Chloro-3-methylphenol	0.125 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	0.125 ppm
							4-Chlorophenyl phenyl ether	0.125 ppm
							4-Methylphenol	0.125 ppm
							4-Nitroaniline	0.125 ppm
							4-Nitrophenol	0.75 ppm
							Acenaphthene	0.125 ppm
							Acenaphthylene	0.125 ppm
							Acetophenone	0.125 ppm
							Aniline	0.125 ppm
							Anthracene	0.125 ppm
							Benzo[a]anthracene	0.125 ppm
							Benzo[a]pyrene	0.125 ppm
							Benzo[b]fluoranthene	0.125 ppm
							Benzo[g,h,i]perylene	0.125 ppm
							Benzo[k]fluoranthene	0.125 ppm
							Benzyl alcohol	0.125 ppm
							Bis(2-chloroethoxy)methane	0.125 ppm
							Bis(2-chloroethyl)ether	0.125 ppm
							Bis(2-ethylhexyl) phthalate	0.125 ppm
							Butyl benzyl phthalate	0.125 ppm
							Carbazole	0.125 ppm
							Chrysene	0.125 ppm
							Di-n-butyl phthalate	0.125 ppm
							Di-n-octyl phthalate	0.125 ppm
							Dibenz(a,h)anthracene	0.125 ppm
							Dibenzofuran	0.125 ppm
							Diethyl phthalate	0.125 ppm
							Dimethyl phthalate	0.125 ppm
							Fluoranthene	0.125 ppm
							Fluorene	0.125 ppm
							Hexachlorobenzene	0.125 ppm
							Hexachlorobutadiene	0.125 ppm
							Hexachlorocyclopentadiene	0.125 ppm
							Hexachloroethane	0.125 ppm
							Indeno[1,2,3-cd]pyrene	0.125 ppm
							Isophorone	0.125 ppm
							N-Nitrosodi-n-propylamine	0.125 ppm
							N-Nitrosodimethylamine	0.125 ppm
							N-Nitrosodiphenylamine	0.10625 ppm
							Naphthalene	0.125 ppm
							Nitrobenzene	0.125 ppm
							Pentachlorophenol	0.625 ppm
							Phenanthrene	0.125 ppm
							Phenol	0.125 ppm
							Pyrene	0.125 ppm
							Pyridine	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dichlorobenzidine	0.125 ppm
							Atrazine	0.125 ppm
							Benzaldehyde	0.125 ppm
							Caprolactam	0.125 ppm
							1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
					MSS_RV8270_IS_00110	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_2_00044	08/28/25	06/23/25	MeCl2, Lot 65052	5 mL	MSS_8270_APWS_00028	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitro-o-toluidine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00027	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,2'-oxybis[1-chloropropane]	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl phenyl ether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl phenyl ether	0.25 ppm
							4-Methylphenol	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butyl benzyl phthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							N-Nitrosodiphenylamine	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00018	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00110	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
..MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
...MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
...OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
...OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
...OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
...OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
..MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
...MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
...OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
...OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
...OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
..MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
..MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
..MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
..MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
...OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
..MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
...MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_2_00043	06/23/25	02/27/25	MeCl2, Lot 64313	5 mL	MSS_8270_APWS_00024	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							alpha,alpha-Dimethyl phenethylamine	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitro-o-toluidine	0.25 ppm
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Famphur	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00026	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,2'-oxybis[1-chloropropane]	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl phenyl ether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl phenyl ether	0.25 ppm
							4-Methylphenol	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butyl benzyl phthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							N-Nitrosodiphenylamine	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00017	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00103	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26		Sigma- Aldrich, Lot LRAD7196		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_2_00044	08/28/25	06/23/25	MeCl2, Lot 65052	5 mL	MSS_8270_APWS_00028	5 uL	Benzidine	0.75 ppm
							1,3,5-Trinitrobenzene	0.25 ppm
							1,4-Dinitrobenzene	0.25 ppm
							1-Naphthylamine	0.25 ppm
							2-Acetylaminofluorene	0.25 ppm
							2-Naphthylamine	0.25 ppm
							2-Picoline	0.25 ppm
							2-Toluidine	0.25 ppm
							3,3'-Dimethylbenzidine	0.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	0.25 ppm
							4-Aminobiphenyl	0.25 ppm
							4-Nitroquinoline-1-oxide	0.25 ppm
							Dibenz[a,h]acridine	0.25 ppm
							N-Nitro-o-toluidine	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	0.25 ppm
							N-Nitrosodiethylamine	0.25 ppm
							N-Nitrosomethylethylamine	0.25 ppm
							N-Nitrosomorpholine	0.25 ppm
							N-Nitrosopiperidine	0.25 ppm
							N-Nitrosopyrrolidine	0.25 ppm
							p-Dimethylamino azobenzene	0.25 ppm
							p-Phenylene diamine	0.25 ppm
							Pentachloronitrobenzene	0.25 ppm
							Phenacetin	0.25 ppm
							Pronamide	0.25 ppm
							Quinoline	0.25 ppm
							1,4-Naphthoquinone	0.25 ppm
							1-Chloronaphthalene	0.25 ppm
							7,12-Dimethylbenz(a)anthracene	0.25 ppm
							Chlorobenzilate	0.25 ppm
							Dinoseb	0.25 ppm
							Ethyl methanesulfonate	0.25 ppm
							Hexachloropropene	0.25 ppm
							Isodrin	0.25 ppm
							Isosafrole Peak 1	0.04 ppm
							Isosafrole Peak 2	0.21 ppm
							Methyl methanesulfonate	0.25 ppm
							Pentachlorobenzene	0.25 ppm
							3-Methylcholanthrene	0.25 ppm
							6-Methylchrysene	0.25 ppm
							cis-Diallate	0.185 ppm
							Dimethoate	0.25 ppm
							Disulfoton	0.25 ppm
							Ethyl Parathion	0.25 ppm
							Methyl parathion	0.25 ppm
							o,o',o''-Triethylphosphorothioate	0.25 ppm
							Phorate	0.25 ppm
							Safrole, Total	0.25 ppm
							Sulfotepp	0.25 ppm
							Thionazin	0.25 ppm
							trans-Diallate	0.065 ppm
					MSS_8270_WS_00027	5 uL	2,4,6-Tribromophenol (Surr)	0.5 ppm
							2-Fluorobiphenyl (Surr)	0.5 ppm
							2-Fluorophenol (Surr)	0.5 ppm
							Nitrobenzene-d5 (Surr)	0.5 ppm
							p-Terphenyl-d14 (Surr)	0.5 ppm
							Phenol-d5 (Surr)	0.5 ppm
							Alpha-Terpineol	0.25 ppm
							Dimethylformamide	0.25 ppm
							Octachlorostyrene	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	0.25 ppm
							Dibenz[a,j]acridine	0.25 ppm
							1,1'-Biphenyl	0.25 ppm
							1,2,4,5-Tetrachlorobenzene	0.25 ppm
							1,2,4-Trichlorobenzene	0.25 ppm
							1,2-Dichlorobenzene	0.25 ppm
							1,2-Diphenylhydrazine	0.25 ppm
							1,3-Dichlorobenzene	0.25 ppm
							1,3-Dinitrobenzene	0.25 ppm
							1,4-Dichlorobenzene	0.25 ppm
							1,4-Dioxane	0.25 ppm
							1-Methylnaphthalene	0.25 ppm
							2,2'-oxybis[1-chloropropane]	0.25 ppm
							2,3,4,6-Tetrachlorophenol	0.25 ppm
							2,4,5-Trichlorophenol	0.25 ppm
							2,4,6-Trichlorophenol	0.25 ppm
							2,4-Dichlorophenol	0.25 ppm
							2,4-Dimethylphenol	0.25 ppm
							2,4-Dinitrophenol	2.5 ppm
							2,4-Dinitrotoluene	0.25 ppm
							2,6-Dichlorophenol	0.25 ppm
							2,6-Dinitrotoluene	0.25 ppm
							2-Chloronaphthalene	0.25 ppm
							2-Chlorophenol	0.25 ppm
							2-Methylnaphthalene	0.25 ppm
							2-Methylphenol	0.25 ppm
							2-Nitroaniline	0.25 ppm
							2-Nitrophenol	0.25 ppm
							3-Nitroaniline	0.25 ppm
							4,6-Dinitro-2-methylphenol	1.5 ppm
							4-Bromophenyl phenyl ether	0.25 ppm
							4-Chloro-3-methylphenol	0.25 ppm
							4-Chloroaniline	0.25 ppm
							4-Chlorophenyl phenyl ether	0.25 ppm
							4-Methylphenol	0.25 ppm
							4-Nitroaniline	0.25 ppm
							4-Nitrophenol	1.5 ppm
							Acenaphthene	0.25 ppm
							Acenaphthylene	0.25 ppm
							Acetophenone	0.25 ppm
							Aniline	0.25 ppm
							Anthracene	0.25 ppm
							Benzo[a]anthracene	0.25 ppm
							Benzo[a]pyrene	0.25 ppm
							Benzo[b]fluoranthene	0.25 ppm
							Benzo[g,h,i]perylene	0.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	0.25 ppm
							Benzyl alcohol	0.25 ppm
							Bis(2-chloroethoxy)methane	0.25 ppm
							Bis(2-chloroethyl)ether	0.25 ppm
							Bis(2-ethylhexyl) phthalate	0.25 ppm
							Butyl benzyl phthalate	0.25 ppm
							Carbazole	0.25 ppm
							Chrysene	0.25 ppm
							Di-n-butyl phthalate	0.25 ppm
							Di-n-octyl phthalate	0.25 ppm
							Dibenz(a,h)anthracene	0.25 ppm
							Dibenzofuran	0.25 ppm
							Diethyl phthalate	0.25 ppm
							Dimethyl phthalate	0.25 ppm
							Fluoranthene	0.25 ppm
							Fluorene	0.25 ppm
							Hexachlorobenzene	0.25 ppm
							Hexachlorobutadiene	0.25 ppm
							Hexachlorocyclopentadiene	0.25 ppm
							Hexachloroethane	0.25 ppm
							Indeno[1,2,3-cd]pyrene	0.25 ppm
							Isophorone	0.25 ppm
							N-Nitrosodi-n-propylamine	0.25 ppm
							N-Nitrosodimethylamine	0.25 ppm
							N-Nitrosodiphenylamine	0.2125 ppm
							Naphthalene	0.25 ppm
							Nitrobenzene	0.25 ppm
							Pentachlorophenol	1.25 ppm
							Phenanthrene	0.25 ppm
							Phenol	0.25 ppm
							Pyrene	0.25 ppm
							Pyridine	0.5 ppm
							3,3'-Dichlorobenzidine	0.25 ppm
							Benzidine	0.75 ppm
					MSS_AB_24DNP_00009	10 uL	2,4-Dinitrophenol	2.5 ppm
					MSS_AB_46D2MP_00006	5 uL	4,6-Dinitro-2-methylphenol	1.5 ppm
					MSS_AB_4NP_00006	5 uL	4-Nitrophenol	1.5 ppm
					MSS_AB_PCP_00004	3.75 uL	Pentachlorophenol	1.25 ppm
					MSS_BAS_WS_00018	12.5 uL	Atrazine	0.25 ppm
							Benzaldehyde	0.25 ppm
							Caprolactam	0.25 ppm
					MSS_RV8270_IS_00110	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_AB_PCP_00004	06/22/27		Absolute, Lot 062222		(Purchased Reagent)		Pentachlorophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_3_00041	06/30/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	10 uL	Benzidine	3.75 ppm
							1,3,5-Trinitrobenzene	1.25 ppm
							1,4-Dinitrobenzene	1.25 ppm
							1-Naphthylamine	1.25 ppm
							2-Acetylaminofluorene	1.25 ppm
							2-Naphthylamine	1.25 ppm
							2-Picoline	1.25 ppm
							2-Toluidine	1.25 ppm
							3,3'-Dimethylbenzidine	1.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	1.25 ppm
							4-Aminobiphenyl	1.25 ppm
							4-Nitroquinoline-1-oxide	1.25 ppm
							alpha,alpha-Dimethyl phenethylamine	1.25 ppm
							Dibenz[a,h]acridine	1.25 ppm
							N-Nitro-o-toluidine	1.25 ppm
							N-Nitrosodi-n-butylamine	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiethylamine	1.25 ppm
							N-Nitrosomethylethylamine	1.25 ppm
							N-Nitrosomorpholine	1.25 ppm
							N-Nitrosopiperidine	1.25 ppm
							N-Nitrosopyrrolidine	1.25 ppm
							p-Dimethylamino azobenzene	1.25 ppm
							p-Phenylene diamine	1.25 ppm
							Pentachloronitrobenzene	1.25 ppm
							Phenacetin	1.25 ppm
							Pronamide	1.25 ppm
							Quinoline	1.25 ppm
							1,4-Naphthoquinone	1.25 ppm
							1-Chloronaphthalene	1.25 ppm
							7,12-Dimethylbenz(a)anthracene	1.25 ppm
							Chlorobenzilate	1.25 ppm
							Dinoseb	1.25 ppm
							Ethyl methanesulfonate	1.25 ppm
							Hexachloropropene	1.25 ppm
							Isodrin	1.25 ppm
							Isosafrole Peak 1	0.2 ppm
							Isosafrole Peak 2	1.05 ppm
							Methyl methanesulfonate	1.25 ppm
							Pentachlorobenzene	1.25 ppm
							3-Methylcholanthrene	1.25 ppm
							6-Methylchrysene	1.25 ppm
							cis-Diallate	0.925 ppm
							Dimethoate	1.25 ppm
							Disulfoton	1.25 ppm
							Ethyl Parathion	1.25 ppm
							Famphur	1.25 ppm
							Methyl parathion	1.25 ppm
							o,o',o''-Triethylphosphorothioate	1.25 ppm
							Phorate	1.25 ppm
							Safrole, Total	1.25 ppm
							Sulfotepp	1.25 ppm
							Thionazin	1.25 ppm
							trans-Diallate	0.325 ppm
					MSS_8270_WS_00026	10 uL	2,4,6-Tribromophenol (Surr)	2.5 ppm
							2-Fluorobiphenyl (Surr)	2.5 ppm
							2-Fluorophenol (Surr)	2.5 ppm
							Nitrobenzene-d5 (Surr)	2.5 ppm
							p-Terphenyl-d14 (Surr)	2.5 ppm
							Phenol-d5 (Surr)	2.5 ppm
							Alpha-Terpineol	1.25 ppm
							Dimethylformamide	1.25 ppm
							Octachlorostyrene	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	1.25 ppm
							Dibenz[a,j]acridine	1.25 ppm
							1,1'-Biphenyl	1.25 ppm
							1,2,4,5-Tetrachlorobenzene	1.25 ppm
							1,2,4-Trichlorobenzene	1.25 ppm
							1,2-Dichlorobenzene	1.25 ppm
							1,2-Diphenylhydrazine	1.25 ppm
							1,3-Dichlorobenzene	1.25 ppm
							1,3-Dinitrobenzene	1.25 ppm
							1,4-Dichlorobenzene	1.25 ppm
							1,4-Dioxane	1.25 ppm
							1-Methylnaphthalene	1.25 ppm
							2,2'-oxybis[1-chloropropane]	1.25 ppm
							2,3,4,6-Tetrachlorophenol	1.25 ppm
							2,4,5-Trichlorophenol	1.25 ppm
							2,4,6-Trichlorophenol	1.25 ppm
							2,4-Dichlorophenol	1.25 ppm
							2,4-Dimethylphenol	1.25 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	1.25 ppm
							2,6-Dichlorophenol	1.25 ppm
							2,6-Dinitrotoluene	1.25 ppm
							2-Chloronaphthalene	1.25 ppm
							2-Chlorophenol	1.25 ppm
							2-Methylnaphthalene	1.25 ppm
							2-Methylphenol	1.25 ppm
							2-Nitroaniline	1.25 ppm
							2-Nitrophenol	1.25 ppm
							3-Nitroaniline	1.25 ppm
							4,6-Dinitro-2-methylphenol	3.75 ppm
							4-Bromophenyl phenyl ether	1.25 ppm
							4-Chloro-3-methylphenol	1.25 ppm
							4-Chloroaniline	1.25 ppm
							4-Chlorophenyl phenyl ether	1.25 ppm
							4-Methylphenol	1.25 ppm
							4-Nitroaniline	1.25 ppm
							4-Nitrophenol	3.75 ppm
							Acenaphthene	1.25 ppm
							Acenaphthylene	1.25 ppm
							Acetophenone	1.25 ppm
							Aniline	1.25 ppm
							Anthracene	1.25 ppm
							Benzo[a]anthracene	1.25 ppm
							Benzo[a]pyrene	1.25 ppm
							Benzo[b]fluoranthene	1.25 ppm
							Benzo[g,h,i]perylene	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	1.25 ppm
							Benzyl alcohol	1.25 ppm
							Bis(2-chloroethoxy)methane	1.25 ppm
							Bis(2-chloroethyl)ether	1.25 ppm
							Bis(2-ethylhexyl) phthalate	1.25 ppm
							Butyl benzyl phthalate	1.25 ppm
							Carbazole	1.25 ppm
							Chrysene	1.25 ppm
							Di-n-butyl phthalate	1.25 ppm
							Di-n-octyl phthalate	1.25 ppm
							Dibenz(a,h)anthracene	1.25 ppm
							Dibenzofuran	1.25 ppm
							Diethyl phthalate	1.25 ppm
							Dimethyl phthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm
							Hexachlorobenzene	1.25 ppm
							Hexachlorobutadiene	1.25 ppm
							Hexachlorocyclopentadiene	1.25 ppm
							Hexachloroethane	1.25 ppm
							Indeno[1,2,3-cd]pyrene	1.25 ppm
							Isophorone	1.25 ppm
							N-Nitrosodi-n-propylamine	1.25 ppm
							N-Nitrosodimethylamine	1.25 ppm
							N-Nitrosodiphenylamine	1.0625 ppm
							Naphthalene	1.25 ppm
							Nitrobenzene	1.25 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	1.25 ppm
							Phenol	1.25 ppm
							Pyrene	1.25 ppm
							Pyridine	2.5 ppm
							3,3'-Dichlorobenzidine	1.25 ppm
							Benzidine	3.75 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	5 ppm
					MSS_AB_46D2MP_00006	2.5 uL	4,6-Dinitro-2-methylphenol	3.75 ppm
					MSS_AB_4NP_00006	2.5 uL	4-Nitrophenol	3.75 ppm
					MSS_BAS_WS_00018	25 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_3_00042	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	10 uL	Benzidine	3.75 ppm
							1,3,5-Trinitrobenzene	1.25 ppm
							1,4-Dinitrobenzene	1.25 ppm
							1-Naphthylamine	1.25 ppm
							2-Acetylaminofluorene	1.25 ppm
							2-Naphthylamine	1.25 ppm
							2-Picoline	1.25 ppm
							2-Toluidine	1.25 ppm
							3,3'-Dimethylbenzidine	1.25 ppm
							4,4'-Methylene bis(2-chloroaniline)	1.25 ppm
							4-Aminobiphenyl	1.25 ppm
							4-Nitroquinoline-1-oxide	1.25 ppm
							Dibenz[a,h]acridine	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	1.25 ppm
							N-Nitrosodi-n-butylamine	1.25 ppm
							N-Nitrosodiethylamine	1.25 ppm
							N-Nitrosomethylethylamine	1.25 ppm
							N-Nitrosomorpholine	1.25 ppm
							N-Nitrosopiperidine	1.25 ppm
							N-Nitrosopyrrolidine	1.25 ppm
							p-Dimethylamino azobenzene	1.25 ppm
							p-Phenylene diamine	1.25 ppm
							Pentachloronitrobenzene	1.25 ppm
							Phenacetin	1.25 ppm
							Pronamide	1.25 ppm
							Quinoline	1.25 ppm
							1,4-Naphthoquinone	1.25 ppm
							1-Chloronaphthalene	1.25 ppm
							7,12-Dimethylbenz(a)anthracene	1.25 ppm
							Chlorobenzilate	1.25 ppm
							Dinoseb	1.25 ppm
							Ethyl methanesulfonate	1.25 ppm
							Hexachloropropene	1.25 ppm
							Isodrin	1.25 ppm
							Isosafrole Peak 1	0.2 ppm
							Isosafrole Peak 2	1.05 ppm
							Methyl methanesulfonate	1.25 ppm
							Pentachlorobenzene	1.25 ppm
							3-Methylcholanthrene	1.25 ppm
							6-Methylchrysene	1.25 ppm
							cis-Diallate	0.925 ppm
							Dimethoate	1.25 ppm
							Disulfoton	1.25 ppm
							Ethyl Parathion	1.25 ppm
							Methyl parathion	1.25 ppm
							o,o',o''-Triethylphosphorothioate	1.25 ppm
							Phorate	1.25 ppm
							Safrole, Total	1.25 ppm
							Sulfotepp	1.25 ppm
							Thionazin	1.25 ppm
							trans-Diallate	0.325 ppm
					MSS_8270_WS_00027	10 uL	2,4,6-Tribromophenol (Surr)	2.5 ppm
							2-Fluorobiphenyl (Surr)	2.5 ppm
							2-Fluorophenol (Surr)	2.5 ppm
							Nitrobenzene-d5 (Surr)	2.5 ppm
							p-Terphenyl-d14 (Surr)	2.5 ppm
							Phenol-d5 (Surr)	2.5 ppm
							Alpha-Terpineol	1.25 ppm
							Dimethylformamide	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Octachlorostyrene	1.25 ppm
							Phenyl ether	1.25 ppm
							Dibenz[a,j]acridine	1.25 ppm
							1,1'-Biphenyl	1.25 ppm
							1,2,4,5-Tetrachlorobenzene	1.25 ppm
							1,2,4-Trichlorobenzene	1.25 ppm
							1,2-Dichlorobenzene	1.25 ppm
							1,2-Diphenylhydrazine	1.25 ppm
							1,3-Dichlorobenzene	1.25 ppm
							1,3-Dinitrobenzene	1.25 ppm
							1,4-Dichlorobenzene	1.25 ppm
							1,4-Dioxane	1.25 ppm
							1-Methylnaphthalene	1.25 ppm
							2,2'-oxybis[1-chloropropane]	1.25 ppm
							2,3,4,6-Tetrachlorophenol	1.25 ppm
							2,4,5-Trichlorophenol	1.25 ppm
							2,4,6-Trichlorophenol	1.25 ppm
							2,4-Dichlorophenol	1.25 ppm
							2,4-Dimethylphenol	1.25 ppm
							2,4-Dinitrophenol	5 ppm
							2,4-Dinitrotoluene	1.25 ppm
							2,6-Dichlorophenol	1.25 ppm
							2,6-Dinitrotoluene	1.25 ppm
							2-Chloronaphthalene	1.25 ppm
							2-Chlorophenol	1.25 ppm
							2-Methylnaphthalene	1.25 ppm
							2-Methylphenol	1.25 ppm
							2-Nitroaniline	1.25 ppm
							2-Nitrophenol	1.25 ppm
							3-Nitroaniline	1.25 ppm
							4,6-Dinitro-2-methylphenol	3.75 ppm
							4-Bromophenyl phenyl ether	1.25 ppm
							4-Chloro-3-methylphenol	1.25 ppm
							4-Chloroaniline	1.25 ppm
							4-Chlorophenyl phenyl ether	1.25 ppm
							4-Methylphenol	1.25 ppm
							4-Nitroaniline	1.25 ppm
							4-Nitrophenol	3.75 ppm
							Acenaphthene	1.25 ppm
							Acenaphthylene	1.25 ppm
							Acetophenone	1.25 ppm
							Aniline	1.25 ppm
							Anthracene	1.25 ppm
							Benzo[a]anthracene	1.25 ppm
							Benzo[a]pyrene	1.25 ppm
							Benzo[b]fluoranthene	1.25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1.25 ppm
							Benzo[k]fluoranthene	1.25 ppm
							Benzyl alcohol	1.25 ppm
							Bis(2-chloroethoxy)methane	1.25 ppm
							Bis(2-chloroethyl)ether	1.25 ppm
							Bis(2-ethylhexyl) phthalate	1.25 ppm
							Butyl benzyl phthalate	1.25 ppm
							Carbazole	1.25 ppm
							Chrysene	1.25 ppm
							Di-n-butyl phthalate	1.25 ppm
							Di-n-octyl phthalate	1.25 ppm
							Dibenz(a,h)anthracene	1.25 ppm
							Dibenzofuran	1.25 ppm
							Diethyl phthalate	1.25 ppm
							Dimethyl phthalate	1.25 ppm
							Fluoranthene	1.25 ppm
							Fluorene	1.25 ppm
							Hexachlorobenzene	1.25 ppm
							Hexachlorobutadiene	1.25 ppm
							Hexachlorocyclopentadiene	1.25 ppm
							Hexachloroethane	1.25 ppm
							Indeno[1,2,3-cd]pyrene	1.25 ppm
							Isophorone	1.25 ppm
							N-Nitrosodi-n-propylamine	1.25 ppm
							N-Nitrosodimethylamine	1.25 ppm
							N-Nitrosodiphenylamine	1.0625 ppm
							Naphthalene	1.25 ppm
							Nitrobenzene	1.25 ppm
							Pentachlorophenol	2.5 ppm
							Phenanthrene	1.25 ppm
							Phenol	1.25 ppm
							Pyrene	1.25 ppm
							Pyridine	2.5 ppm
							3,3'-Dichlorobenzidine	1.25 ppm
							Benzidine	3.75 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	5 ppm
					MSS_AB_46D2MP_00006	2.5 uL	4,6-Dinitro-2-methylphenol	3.75 ppm
					MSS_AB_4NP_00006	2.5 uL	4-Nitrophenol	3.75 ppm
					MSS_BAS_WS_00018	25 uL	Atrazine	1.25 ppm
							Benzaldehyde	1.25 ppm
							Caprolactam	1.25 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_AB_46D2MP_00006	08/28/29		Absolute, Lot 082824		(Purchased Reagent)		4,6-Dinitro-2-methylphenol	1000 ug/mL
.MSS_AB_4NP_00006	02/13/28		Absolute, Lot 021323		(Purchased Reagent)		4-Nitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00040	06/30/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	30 uL	Benzidine	11.25 ppm
							1,3,5-Trinitrobenzene	3.75 ppm
							1,4-Dinitrobenzene	3.75 ppm
							1-Naphthylamine	3.75 ppm
							2-Acetylaminofluorene	3.75 ppm
							2-Naphthylamine	3.75 ppm
							2-Picoline	3.75 ppm
							2-Toluidine	3.75 ppm
							3,3'-Dimethylbenzidine	3.75 ppm
							4,4'-Methylene bis(2-chloroaniline)	3.75 ppm
							4-Aminobiphenyl	3.75 ppm
							4-Nitroquinoline-1-oxide	3.75 ppm
							alpha,alpha-Dimethyl phenethylamine	3.75 ppm
							Dibenz[a,h]acridine	3.75 ppm
							N-Nitro-o-toluidine	3.75 ppm
							N-Nitrosodi-n-butylamine	3.75 ppm
							N-Nitrosodiethylamine	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomethylethylamine	3.75 ppm
							N-Nitrosomorpholine	3.75 ppm
							N-Nitrosopiperidine	3.75 ppm
							N-Nitrosopyrrolidine	3.75 ppm
							p-Dimethylamino azobenzene	3.75 ppm
							p-Phenylene diamine	3.75 ppm
							Pentachloronitrobenzene	3.75 ppm
							Phenacetin	3.75 ppm
							Pronamide	3.75 ppm
							Quinoline	3.75 ppm
							1,4-Naphthoquinone	3.75 ppm
							1-Chloronaphthalene	3.75 ppm
							7,12-Dimethylbenz(a)anthracene	3.75 ppm
							Chlorobenzilate	3.75 ppm
							Dinoseb	3.75 ppm
							Ethyl methanesulfonate	3.75 ppm
							Hexachloropropene	3.75 ppm
							Isodrin	3.75 ppm
							Isosafrole Peak 1	0.6 ppm
							Isosafrole Peak 2	3.15 ppm
							Methyl methanesulfonate	3.75 ppm
							Pentachlorobenzene	3.75 ppm
							3-Methylcholanthrene	3.75 ppm
							6-Methylchrysene	3.75 ppm
							cis-Diallate	2.775 ppm
							Dimethoate	3.75 ppm
							Disulfoton	3.75 ppm
							Ethyl Parathion	3.75 ppm
							Famphur	3.75 ppm
							Methyl parathion	3.75 ppm
							o,o',o''-Triethylphosphorothioate	3.75 ppm
							Phorate	3.75 ppm
							Safrole, Total	3.75 ppm
							Sulfotepp	3.75 ppm
							Thionazin	3.75 ppm
							trans-Diallate	0.975 ppm
					MSS_8270_WS_00026	30 uL	2,4,6-Tribromophenol (Surr)	7.5 ppm
							2-Fluorobiphenyl (Surr)	7.5 ppm
							2-Fluorophenol (Surr)	7.5 ppm
							Nitrobenzene-d5 (Surr)	7.5 ppm
							p-Terphenyl-d14 (Surr)	7.5 ppm
							Phenol-d5 (Surr)	7.5 ppm
							Alpha-Terpineol	3.75 ppm
							Dimethylformamide	3.75 ppm
							Octachlorostyrene	3.75 ppm
							Phenyl ether	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,j]acridine	3.75 ppm
							1,1'-Biphenyl	3.75 ppm
							1,2,4,5-Tetrachlorobenzene	3.75 ppm
							1,2,4-Trichlorobenzene	3.75 ppm
							1,2-Dichlorobenzene	3.75 ppm
							1,2-Diphenylhydrazine	3.75 ppm
							1,3-Dichlorobenzene	3.75 ppm
							1,3-Dinitrobenzene	3.75 ppm
							1,4-Dichlorobenzene	3.75 ppm
							1,4-Dioxane	3.75 ppm
							1-Methylnaphthalene	3.75 ppm
							2,2'-oxybis[1-chloropropane]	3.75 ppm
							2,3,4,6-Tetrachlorophenol	3.75 ppm
							2,4,5-Trichlorophenol	3.75 ppm
							2,4,6-Trichlorophenol	3.75 ppm
							2,4-Dichlorophenol	3.75 ppm
							2,4-Dimethylphenol	3.75 ppm
							2,4-Dinitrophenol	11.25 ppm
							2,4-Dinitrotoluene	3.75 ppm
							2,6-Dichlorophenol	3.75 ppm
							2,6-Dinitrotoluene	3.75 ppm
							2-Chloronaphthalene	3.75 ppm
							2-Chlorophenol	3.75 ppm
							2-Methylnaphthalene	3.75 ppm
							2-Methylphenol	3.75 ppm
							2-Nitroaniline	3.75 ppm
							2-Nitrophenol	3.75 ppm
							3-Nitroaniline	3.75 ppm
							4,6-Dinitro-2-methylphenol	7.5 ppm
							4-Bromophenyl phenyl ether	3.75 ppm
							4-Chloro-3-methylphenol	3.75 ppm
							4-Chloroaniline	3.75 ppm
							4-Chlorophenyl phenyl ether	3.75 ppm
							4-Methylphenol	3.75 ppm
							4-Nitroaniline	3.75 ppm
							4-Nitrophenol	7.5 ppm
							Acenaphthene	3.75 ppm
							Acenaphthylene	3.75 ppm
							Acetophenone	3.75 ppm
							Aniline	3.75 ppm
							Anthracene	3.75 ppm
							Benzo[a]anthracene	3.75 ppm
							Benzo[a]pyrene	3.75 ppm
							Benzo[b]fluoranthene	3.75 ppm
							Benzo[g,h,i]perylene	3.75 ppm
							Benzo[k]fluoranthene	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	3.75 ppm
							Bis(2-chloroethoxy)methane	3.75 ppm
							Bis(2-chloroethyl)ether	3.75 ppm
							Bis(2-ethylhexyl) phthalate	3.75 ppm
							Butyl benzyl phthalate	3.75 ppm
							Carbazole	3.75 ppm
							Chrysene	3.75 ppm
							Di-n-butyl phthalate	3.75 ppm
							Di-n-octyl phthalate	3.75 ppm
							Dibenz(a,h)anthracene	3.75 ppm
							Dibenzofuran	3.75 ppm
							Diethyl phthalate	3.75 ppm
							Dimethyl phthalate	3.75 ppm
							Fluoranthene	3.75 ppm
							Fluorene	3.75 ppm
							Hexachlorobenzene	3.75 ppm
							Hexachlorobutadiene	3.75 ppm
							Hexachlorocyclopentadiene	3.75 ppm
							Hexachloroethane	3.75 ppm
							Indeno[1,2,3-cd]pyrene	3.75 ppm
							Isophorone	3.75 ppm
							N-Nitrosodi-n-propylamine	3.75 ppm
							N-Nitrosodimethylamine	3.75 ppm
							N-Nitrosodiphenylamine	3.1875 ppm
							Naphthalene	3.75 ppm
							Nitrobenzene	3.75 ppm
							Pentachlorophenol	7.5 ppm
							Phenanthrene	3.75 ppm
							Phenol	3.75 ppm
							Pyrene	3.75 ppm
							Pyridine	7.5 ppm
							3,3'-Dichlorobenzidine	3.75 ppm
							Benzidine	11.25 ppm
					MSS_AB_24DNP_00009	7.5 uL	2,4-Dinitrophenol	11.25 ppm
					MSS_BAS_WS_00018	75 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_4_00041	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	30 uL	Benzidine	11.25 ppm
							1,3,5-Trinitrobenzene	3.75 ppm
							1,4-Dinitrobenzene	3.75 ppm
							1-Naphthylamine	3.75 ppm
							2-Acetylaminofluorene	3.75 ppm
							2-Naphthylamine	3.75 ppm
							2-Picoline	3.75 ppm
							2-Toluidine	3.75 ppm
							3,3'-Dimethylbenzidine	3.75 ppm
							4,4'-Methylene bis(2-chloroaniline)	3.75 ppm
							4-Aminobiphenyl	3.75 ppm
							4-Nitroquinoline-1-oxide	3.75 ppm
							Dibenz[a,h]acridine	3.75 ppm
							N-Nitro-o-toluidine	3.75 ppm
							N-Nitrosodi-n-butylamine	3.75 ppm
							N-Nitrosodiethylamine	3.75 ppm
							N-Nitrosomethylethylamine	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	3.75 ppm
							N-Nitrosopiperidine	3.75 ppm
							N-Nitrosopyrrolidine	3.75 ppm
							p-Dimethylamino azobenzene	3.75 ppm
							p-Phenylene diamine	3.75 ppm
							Pentachloronitrobenzene	3.75 ppm
							Phenacetin	3.75 ppm
							Pronamide	3.75 ppm
							Quinoline	3.75 ppm
							1,4-Naphthoquinone	3.75 ppm
							1-Chloronaphthalene	3.75 ppm
							7,12-Dimethylbenz(a)anthracene	3.75 ppm
							Chlorobenzilate	3.75 ppm
							Dinoseb	3.75 ppm
							Ethyl methanesulfonate	3.75 ppm
							Hexachloropropene	3.75 ppm
							Isodrin	3.75 ppm
							Isosafrole Peak 1	0.6 ppm
							Isosafrole Peak 2	3.15 ppm
							Methyl methanesulfonate	3.75 ppm
							Pentachlorobenzene	3.75 ppm
							3-Methylcholanthrene	3.75 ppm
							6-Methylchrysene	3.75 ppm
							cis-Diallate	2.775 ppm
							Dimethoate	3.75 ppm
							Disulfoton	3.75 ppm
							Ethyl Parathion	3.75 ppm
							Methyl parathion	3.75 ppm
							o,o',o''-Triethylphosphorothioate	3.75 ppm
							Phorate	3.75 ppm
							Safrole, Total	3.75 ppm
							Sulfotepp	3.75 ppm
							Thionazin	3.75 ppm
							trans-Diallate	0.975 ppm
					MSS_8270_WS_00027	30 uL	2,4,6-Tribromophenol (Surr)	7.5 ppm
							2-Fluorobiphenyl (Surr)	7.5 ppm
							2-Fluorophenol (Surr)	7.5 ppm
							Nitrobenzene-d5 (Surr)	7.5 ppm
							p-Terphenyl-d14 (Surr)	7.5 ppm
							Phenol-d5 (Surr)	7.5 ppm
							Alpha-Terpineol	3.75 ppm
							Dimethylformamide	3.75 ppm
							Octachlorostyrene	3.75 ppm
							Phenyl ether	3.75 ppm
							Dibenz[a,j]acridine	3.75 ppm
							1,1'-Biphenyl	3.75 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	3.75 ppm
							1,2,4-Trichlorobenzene	3.75 ppm
							1,2-Dichlorobenzene	3.75 ppm
							1,2-Diphenylhydrazine	3.75 ppm
							1,3-Dichlorobenzene	3.75 ppm
							1,3-Dinitrobenzene	3.75 ppm
							1,4-Dichlorobenzene	3.75 ppm
							1,4-Dioxane	3.75 ppm
							1-Methylnaphthalene	3.75 ppm
							2,2'-oxybis[1-chloropropane]	3.75 ppm
							2,3,4,6-Tetrachlorophenol	3.75 ppm
							2,4,5-Trichlorophenol	3.75 ppm
							2,4,6-Trichlorophenol	3.75 ppm
							2,4-Dichlorophenol	3.75 ppm
							2,4-Dimethylphenol	3.75 ppm
							2,4-Dinitrophenol	11.25 ppm
							2,4-Dinitrotoluene	3.75 ppm
							2,6-Dichlorophenol	3.75 ppm
							2,6-Dinitrotoluene	3.75 ppm
							2-Chloronaphthalene	3.75 ppm
							2-Chlorophenol	3.75 ppm
							2-Methylnaphthalene	3.75 ppm
							2-Methylphenol	3.75 ppm
							2-Nitroaniline	3.75 ppm
							2-Nitrophenol	3.75 ppm
							3-Nitroaniline	3.75 ppm
							4,6-Dinitro-2-methylphenol	7.5 ppm
							4-Bromophenyl phenyl ether	3.75 ppm
							4-Chloro-3-methylphenol	3.75 ppm
							4-Chloroaniline	3.75 ppm
							4-Chlorophenyl phenyl ether	3.75 ppm
							4-Methylphenol	3.75 ppm
							4-Nitroaniline	3.75 ppm
							4-Nitrophenol	7.5 ppm
							Acenaphthene	3.75 ppm
							Acenaphthylene	3.75 ppm
							Acetophenone	3.75 ppm
							Aniline	3.75 ppm
							Anthracene	3.75 ppm
							Benzo[a]anthracene	3.75 ppm
							Benzo[a]pyrene	3.75 ppm
							Benzo[b]fluoranthene	3.75 ppm
							Benzo[g,h,i]perylene	3.75 ppm
							Benzo[k]fluoranthene	3.75 ppm
							Benzyl alcohol	3.75 ppm
							Bis(2-chloroethoxy)methane	3.75 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	3.75 ppm
							Bis(2-ethylhexyl) phthalate	3.75 ppm
							Butyl benzyl phthalate	3.75 ppm
							Carbazole	3.75 ppm
							Chrysene	3.75 ppm
							Di-n-butyl phthalate	3.75 ppm
							Di-n-octyl phthalate	3.75 ppm
							Dibenz(a,h)anthracene	3.75 ppm
							Dibenzofuran	3.75 ppm
							Diethyl phthalate	3.75 ppm
							Dimethyl phthalate	3.75 ppm
							Fluoranthene	3.75 ppm
							Fluorene	3.75 ppm
							Hexachlorobenzene	3.75 ppm
							Hexachlorobutadiene	3.75 ppm
							Hexachlorocyclopentadiene	3.75 ppm
							Hexachloroethane	3.75 ppm
							Indeno[1,2,3-cd]pyrene	3.75 ppm
							Isophorone	3.75 ppm
							N-Nitrosodi-n-propylamine	3.75 ppm
							N-Nitrosodimethylamine	3.75 ppm
							N-Nitrosodiphenylamine	3.1875 ppm
							Naphthalene	3.75 ppm
							Nitrobenzene	3.75 ppm
							Pentachlorophenol	7.5 ppm
							Phenanthrene	3.75 ppm
							Phenol	3.75 ppm
							Pyrene	3.75 ppm
							Pyridine	7.5 ppm
							3,3'-Dichlorobenzidine	3.75 ppm
							Benzidine	11.25 ppm
					MSS_AB_24DNP_00009	7.5 uL	2,4-Dinitrophenol	11.25 ppm
					MSS_BAS_WS_00018	75 uL	Atrazine	3.75 ppm
							Benzaldehyde	3.75 ppm
							Caprolactam	3.75 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00051	06/30/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	60 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							alpha,alpha-Dimethyl phenethylamine	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Famphur	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							Thionazin	7.5 ppm
							trans-Diallate	1.95 ppm
					MSS_8270_WS_00026	60 uL	2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,2'-oxybis[1-chloropropane]	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Methylphenol	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl phenyl ether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl phenyl ether	7.5 ppm
							4-Methylphenol	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butyl benzyl phthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethyl phthalate	7.5 ppm
							Dimethyl phthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							N-Nitrosodiphenylamine	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Benzidine	22.5 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	17.5 ppm
					MSS_BAS_WS_00018	150 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00053	07/31/25	05/06/25	MeCl2, Lot 65024	2 mL	MSS_8270_APWS_00025	60 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							Thionazin	7.5 ppm
							trans-Diallate	1.95 ppm
					MSS_8270_WS_00026	60 uL	2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Methylphenol	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl phenyl ether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl phenyl ether	7.5 ppm
							4-Methylphenol	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butyl benzyl phthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	7.5 ppm
							Dimethyl phthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm
							Isophorone	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							N-Nitrosodiphenylamine	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Benzidine	22.5 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	17.5 ppm
					MSS_BAS_WS_00018	150 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_RV8270_IS_00107	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00025	10/09/25	04/09/25	MeCl2, Lot 65010	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00107	11/02/25	05/02/25	MeCl2, Lot 64327	10 mL	MSS_FV8270_IS_00006	2500 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_5_00054	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	60 uL	Benzidine	22.5 ppm
							1,3,5-Trinitrobenzene	7.5 ppm
							1,4-Dinitrobenzene	7.5 ppm
							1-Naphthylamine	7.5 ppm
							2-Acetylaminofluorene	7.5 ppm
							2-Naphthylamine	7.5 ppm
							2-Picoline	7.5 ppm
							2-Toluidine	7.5 ppm
							3,3'-Dimethylbenzidine	7.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	7.5 ppm
							4-Aminobiphenyl	7.5 ppm
							4-Nitroquinoline-1-oxide	7.5 ppm
							Dibenz[a,h]acridine	7.5 ppm
							N-Nitro-o-toluidine	7.5 ppm
							N-Nitrosodi-n-butylamine	7.5 ppm
							N-Nitrosodiethylamine	7.5 ppm
							N-Nitrosomethylethylamine	7.5 ppm
							N-Nitrosomorpholine	7.5 ppm
							N-Nitrosopiperidine	7.5 ppm
							N-Nitrosopyrrolidine	7.5 ppm
							p-Dimethylamino azobenzene	7.5 ppm
							p-Phenylene diamine	7.5 ppm
							Pentachloronitrobenzene	7.5 ppm
							Phenacetin	7.5 ppm
							Pronamide	7.5 ppm
							Quinoline	7.5 ppm
							1,4-Naphthoquinone	7.5 ppm
							1-Chloronaphthalene	7.5 ppm
							7,12-Dimethylbenz(a)anthracene	7.5 ppm
							Chlorobenzilate	7.5 ppm
							Dinoseb	7.5 ppm
							Ethyl methanesulfonate	7.5 ppm
							Hexachloropropene	7.5 ppm
							Isodrin	7.5 ppm
							Isosafrole Peak 1	1.2 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	6.3 ppm
							Methyl methanesulfonate	7.5 ppm
							Pentachlorobenzene	7.5 ppm
							3-Methylcholanthrene	7.5 ppm
							6-Methylchrysene	7.5 ppm
							cis-Diallate	5.55 ppm
							Dimethoate	7.5 ppm
							Disulfoton	7.5 ppm
							Ethyl Parathion	7.5 ppm
							Methyl parathion	7.5 ppm
							o,o',o''-Triethylphosphorothioate	7.5 ppm
							Phorate	7.5 ppm
							Safrole, Total	7.5 ppm
							Sulfotepp	7.5 ppm
							Thionazin	7.5 ppm
							trans-Diallate	1.95 ppm
					MSS_8270_WS_00027	60 uL	2,4,6-Tribromophenol (Surr)	15 ppm
							2-Fluorobiphenyl (Surr)	15 ppm
							2-Fluorophenol (Surr)	15 ppm
							Nitrobenzene-d5 (Surr)	15 ppm
							p-Terphenyl-d14 (Surr)	15 ppm
							Phenol-d5 (Surr)	15 ppm
							Alpha-Terpineol	7.5 ppm
							Dimethylformamide	7.5 ppm
							Octachlorostyrene	7.5 ppm
							Phenyl ether	7.5 ppm
							Dibenz[a,j]acridine	7.5 ppm
							1,1'-Biphenyl	7.5 ppm
							1,2,4,5-Tetrachlorobenzene	7.5 ppm
							1,2,4-Trichlorobenzene	7.5 ppm
							1,2-Dichlorobenzene	7.5 ppm
							1,2-Diphenylhydrazine	7.5 ppm
							1,3-Dichlorobenzene	7.5 ppm
							1,3-Dinitrobenzene	7.5 ppm
							1,4-Dichlorobenzene	7.5 ppm
							1,4-Dioxane	7.5 ppm
							1-Methylnaphthalene	7.5 ppm
							2,2'-oxybis[1-chloropropane]	7.5 ppm
							2,3,4,6-Tetrachlorophenol	7.5 ppm
							2,4,5-Trichlorophenol	7.5 ppm
							2,4,6-Trichlorophenol	7.5 ppm
							2,4-Dichlorophenol	7.5 ppm
							2,4-Dimethylphenol	7.5 ppm
							2,4-Dinitrophenol	17.5 ppm
							2,4-Dinitrotoluene	7.5 ppm
							2,6-Dichlorophenol	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	7.5 ppm
							2-Chloronaphthalene	7.5 ppm
							2-Chlorophenol	7.5 ppm
							2-Methylnaphthalene	7.5 ppm
							2-Methylphenol	7.5 ppm
							2-Nitroaniline	7.5 ppm
							2-Nitrophenol	7.5 ppm
							3-Nitroaniline	7.5 ppm
							4,6-Dinitro-2-methylphenol	15 ppm
							4-Bromophenyl phenyl ether	7.5 ppm
							4-Chloro-3-methylphenol	7.5 ppm
							4-Chloroaniline	7.5 ppm
							4-Chlorophenyl phenyl ether	7.5 ppm
							4-Methylphenol	7.5 ppm
							4-Nitroaniline	7.5 ppm
							4-Nitrophenol	15 ppm
							Acenaphthene	7.5 ppm
							Acenaphthylene	7.5 ppm
							Acetophenone	7.5 ppm
							Aniline	7.5 ppm
							Anthracene	7.5 ppm
							Benzo[a]anthracene	7.5 ppm
							Benzo[a]pyrene	7.5 ppm
							Benzo[b]fluoranthene	7.5 ppm
							Benzo[g,h,i]perylene	7.5 ppm
							Benzo[k]fluoranthene	7.5 ppm
							Benzyl alcohol	7.5 ppm
							Bis(2-chloroethoxy)methane	7.5 ppm
							Bis(2-chloroethyl)ether	7.5 ppm
							Bis(2-ethylhexyl) phthalate	7.5 ppm
							Butyl benzyl phthalate	7.5 ppm
							Carbazole	7.5 ppm
							Chrysene	7.5 ppm
							Di-n-butyl phthalate	7.5 ppm
							Di-n-octyl phthalate	7.5 ppm
							Dibenz(a,h)anthracene	7.5 ppm
							Dibenzofuran	7.5 ppm
							Diethyl phthalate	7.5 ppm
							Dimethyl phthalate	7.5 ppm
							Fluoranthene	7.5 ppm
							Fluorene	7.5 ppm
							Hexachlorobenzene	7.5 ppm
							Hexachlorobutadiene	7.5 ppm
							Hexachlorocyclopentadiene	7.5 ppm
							Hexachloroethane	7.5 ppm
							Indeno[1,2,3-cd]pyrene	7.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	7.5 ppm
							N-Nitrosodi-n-propylamine	7.5 ppm
							N-Nitrosodimethylamine	7.5 ppm
							N-Nitrosodiphenylamine	6.375 ppm
							Naphthalene	7.5 ppm
							Nitrobenzene	7.5 ppm
							Pentachlorophenol	15 ppm
							Phenanthrene	7.5 ppm
							Phenol	7.5 ppm
							Pyrene	7.5 ppm
							Pyridine	15 ppm
							3,3'-Dichlorobenzidine	7.5 ppm
							Benzidine	22.5 ppm
					MSS_AB_24DNP_00009	5 uL	2,4-Dinitrophenol	17.5 ppm
					MSS_BAS_WS_00018	150 uL	Atrazine	7.5 ppm
							Benzaldehyde	7.5 ppm
							Caprolactam	7.5 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_AB_24DNP_00009	01/12/29		Absolute, Lot 011224		(Purchased Reagent)		2,4-Dinitrophenol	1000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00064	06/30/25	04/07/25	MeCl2, Lot 65010	2 mL	MSS_8270_APWS_00024	100 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							alpha,alpha-Dimethyl phenethylamine	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Famphur	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							Thionazin	12.5 ppm
							trans-Diallate	3.25 ppm
					MSS_8270_WS_00026	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm
							2,2'-oxybis[1-chloropropane]	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl phenyl ether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl phenyl ether	12.5 ppm
							4-Methylphenol	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butyl benzyl phthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							N-Nitrosodiphenylamine	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00065	07/31/25	05/06/25	MeCl2, Lot 65024	2 mL	MSS_8270_APWS_00025	100 uL	Benzidine	37.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm
							4-Nitroquinoline-1-oxide	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							Thionazin	12.5 ppm
							trans-Diallate	3.25 ppm
					MSS_8270_WS_00026	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm
							2,2'-oxybis[1-chloropropane]	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl phenyl ether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl phenyl ether	12.5 ppm
							4-Methylphenol	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butyl benzyl phthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							N-Nitrosodiphenylamine	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_RV8270_IS_00107	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00025	10/09/25	04/09/25	MeCl2, Lot 65010	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00107	11/02/25	05/02/25	MeCl2, Lot 64327	10 mL	MSS_FV8270_IS_00006	2500 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00068	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	100 uL	Benzidine	37.5 ppm
							1,3,5-Trinitrobenzene	12.5 ppm
							1,4-Dinitrobenzene	12.5 ppm
							1-Naphthylamine	12.5 ppm
							2-Acetylaminofluorene	12.5 ppm
							2-Naphthylamine	12.5 ppm
							2-Picoline	12.5 ppm
							2-Toluidine	12.5 ppm
							3,3'-Dimethylbenzidine	12.5 ppm
							4,4'-Methylene bis(2-chloroaniline)	12.5 ppm
							4-Aminobiphenyl	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	12.5 ppm
							Dibenz[a,h]acridine	12.5 ppm
							N-Nitro-o-toluidine	12.5 ppm
							N-Nitrosodi-n-butylamine	12.5 ppm
							N-Nitrosodiethylamine	12.5 ppm
							N-Nitrosomethylethylamine	12.5 ppm
							N-Nitrosomorpholine	12.5 ppm
							N-Nitrosopiperidine	12.5 ppm
							N-Nitrosopyrrolidine	12.5 ppm
							p-Dimethylamino azobenzene	12.5 ppm
							p-Phenylene diamine	12.5 ppm
							Pentachloronitrobenzene	12.5 ppm
							Phenacetin	12.5 ppm
							Pronamide	12.5 ppm
							Quinoline	12.5 ppm
							1,4-Naphthoquinone	12.5 ppm
							1-Chloronaphthalene	12.5 ppm
							7,12-Dimethylbenz(a)anthracene	12.5 ppm
							Chlorobenzilate	12.5 ppm
							Dinoseb	12.5 ppm
							Ethyl methanesulfonate	12.5 ppm
							Hexachloropropene	12.5 ppm
							Isodrin	12.5 ppm
							Isosafrole Peak 1	2 ppm
							Isosafrole Peak 2	10.5 ppm
							Methyl methanesulfonate	12.5 ppm
							Pentachlorobenzene	12.5 ppm
							3-Methylcholanthrene	12.5 ppm
							6-Methylchrysene	12.5 ppm
							cis-Diallate	9.25 ppm
							Dimethoate	12.5 ppm
							Disulfoton	12.5 ppm
							Ethyl Parathion	12.5 ppm
							Methyl parathion	12.5 ppm
							o,o',o''-Triethylphosphorothioate	12.5 ppm
							Phorate	12.5 ppm
							Safrole, Total	12.5 ppm
							Sulfotepp	12.5 ppm
							Thionazin	12.5 ppm
							trans-Diallate	3.25 ppm
					MSS_8270_WS_00027	100 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alpha-Terpineol	12.5 ppm
							Dimethylformamide	12.5 ppm
							Octachlorostyrene	12.5 ppm
							Phenyl ether	12.5 ppm
							Dibenz[a,j]acridine	12.5 ppm
							1,1'-Biphenyl	12.5 ppm
							1,2,4,5-Tetrachlorobenzene	12.5 ppm
							1,2,4-Trichlorobenzene	12.5 ppm
							1,2-Dichlorobenzene	12.5 ppm
							1,2-Diphenylhydrazine	12.5 ppm
							1,3-Dichlorobenzene	12.5 ppm
							1,3-Dinitrobenzene	12.5 ppm
							1,4-Dichlorobenzene	12.5 ppm
							1,4-Dioxane	12.5 ppm
							1-Methylnaphthalene	12.5 ppm
							2,2'-oxybis[1-chloropropane]	12.5 ppm
							2,3,4,6-Tetrachlorophenol	12.5 ppm
							2,4,5-Trichlorophenol	12.5 ppm
							2,4,6-Trichlorophenol	12.5 ppm
							2,4-Dichlorophenol	12.5 ppm
							2,4-Dimethylphenol	12.5 ppm
							2,4-Dinitrophenol	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dichlorophenol	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							2-Chloronaphthalene	12.5 ppm
							2-Chlorophenol	12.5 ppm
							2-Methylnaphthalene	12.5 ppm
							2-Methylphenol	12.5 ppm
							2-Nitroaniline	12.5 ppm
							2-Nitrophenol	12.5 ppm
							3-Nitroaniline	12.5 ppm
							4,6-Dinitro-2-methylphenol	25 ppm
							4-Bromophenyl phenyl ether	12.5 ppm
							4-Chloro-3-methylphenol	12.5 ppm
							4-Chloroaniline	12.5 ppm
							4-Chlorophenyl phenyl ether	12.5 ppm
							4-Methylphenol	12.5 ppm
							4-Nitroaniline	12.5 ppm
							4-Nitrophenol	25 ppm
							Acenaphthene	12.5 ppm
							Acenaphthylene	12.5 ppm
							Acetophenone	12.5 ppm
							Aniline	12.5 ppm
							Anthracene	12.5 ppm
							Benzo[a]anthracene	12.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	12.5 ppm
							Benzo[b]fluoranthene	12.5 ppm
							Benzo[g,h,i]perylene	12.5 ppm
							Benzo[k]fluoranthene	12.5 ppm
							Benzyl alcohol	12.5 ppm
							Bis(2-chloroethoxy)methane	12.5 ppm
							Bis(2-chloroethyl)ether	12.5 ppm
							Bis(2-ethylhexyl) phthalate	12.5 ppm
							Butyl benzyl phthalate	12.5 ppm
							Carbazole	12.5 ppm
							Chrysene	12.5 ppm
							Di-n-butyl phthalate	12.5 ppm
							Di-n-octyl phthalate	12.5 ppm
							Dibenz(a,h)anthracene	12.5 ppm
							Dibenzofuran	12.5 ppm
							Diethyl phthalate	12.5 ppm
							Dimethyl phthalate	12.5 ppm
							Fluoranthene	12.5 ppm
							Fluorene	12.5 ppm
							Hexachlorobenzene	12.5 ppm
							Hexachlorobutadiene	12.5 ppm
							Hexachlorocyclopentadiene	12.5 ppm
							Hexachloroethane	12.5 ppm
							Indeno[1,2,3-cd]pyrene	12.5 ppm
							Isophorone	12.5 ppm
							N-Nitrosodi-n-propylamine	12.5 ppm
							N-Nitrosodimethylamine	12.5 ppm
							N-Nitrosodiphenylamine	10.625 ppm
							Naphthalene	12.5 ppm
							Nitrobenzene	12.5 ppm
							Pentachlorophenol	25 ppm
							Phenanthrene	12.5 ppm
							Phenol	12.5 ppm
							Pyrene	12.5 ppm
							Pyridine	25 ppm
							3,3'-Dichlorobenzidine	12.5 ppm
							Benzidine	37.5 ppm
					MSS_BAS_WS_00018	250 uL	Atrazine	12.5 ppm
							Benzaldehyde	12.5 ppm
							Caprolactam	12.5 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00069	08/28/25	07/20/25	MeCl2, Lot 65122	5 mL	MSS_RV8270_IS_00110	100 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_6_00069	08/28/25	07/20/25	MeCl2, Lot 65122	5 mL	MSS_8270_WS_00027	250 uL	2,4,6-Tribromophenol (Surr)	25 ppm
							2-Fluorobiphenyl (Surr)	25 ppm
							2-Fluorophenol (Surr)	25 ppm
							Nitrobenzene-d5 (Surr)	25 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Terphenyl-d14 (Surr)	25 ppm
							Phenol-d5 (Surr)	25 ppm
							2,4-Dinitrotoluene	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							Diethyl phthalate	12.5 ppm
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_RES_LCS1_00023	2500 uL	2,4-Dinitrotoluene	250 ppm
							2,6-Dinitrotoluene	250 ppm
							Diethyl phthalate	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
MSS_RV8270_7_00043	06/23/25	03/27/25	MeCl2, Lot 64327	2 mL	MSS_8270_APWS_00024	160 uL	Benzidine	60 ppm
							1,3,5-Trinitrobenzene	20 ppm
							1,4-Dinitrobenzene	20 ppm
							1-Naphthylamine	20 ppm
							2-Acetylaminofluorene	20 ppm
							2-Naphthylamine	20 ppm
							2-Picoline	20 ppm
							2-Toluidine	20 ppm
							3,3'-Dimethylbenzidine	20 ppm
							4,4'-Methylene bis(2-chloroaniline)	20 ppm
							4-Aminobiphenyl	20 ppm
							4-Nitroquinoline-1-oxide	20 ppm
							alpha,alpha-Dimethyl phenethylamine	20 ppm
							Dibenz[a,h]acridine	20 ppm
							N-Nitro-o-toluidine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm
							Dinoseb	20 ppm
							Ethyl methanesulfonate	20 ppm
							Hexachloropropene	20 ppm
							Isodrin	20 ppm
							Isosafrole Peak 1	3.2 ppm
							Isosafrole Peak 2	16.8 ppm
							Methyl methanesulfonate	20 ppm
							Pentachlorobenzene	20 ppm
							3-Methylcholanthrene	20 ppm
							6-Methylchrysene	20 ppm
							cis-Diallate	14.8 ppm
							Dimethoate	20 ppm
							Disulfoton	20 ppm
							Ethyl Parathion	20 ppm
							Famphur	20 ppm
							Methyl parathion	20 ppm
							o,o',o''-Triethylphosphorothioate	20 ppm
							Phorate	20 ppm
							Safrole, Total	20 ppm
							Sulfotepp	20 ppm
							Thionazin	20 ppm
							trans-Diallate	5.2 ppm
					MSS_8270_WS_00026	160 uL	2,4,6-Tribromophenol (Surr)	40 ppm
							2-Fluorobiphenyl (Surr)	40 ppm
							2-Fluorophenol (Surr)	40 ppm
							Nitrobenzene-d5 (Surr)	40 ppm
							p-Terphenyl-d14 (Surr)	40 ppm
							Phenol-d5 (Surr)	40 ppm
							Alpha-Terpineol	20 ppm
							Dimethylformamide	20 ppm
							Octachlorostyrene	20 ppm
							Phenyl ether	20 ppm
							Dibenz[a,j]acridine	20 ppm
							1,1'-Biphenyl	20 ppm
							1,2,4,5-Tetrachlorobenzene	20 ppm
							1,2,4-Trichlorobenzene	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	20 ppm
							1,2-Diphenylhydrazine	20 ppm
							1,3-Dichlorobenzene	20 ppm
							1,3-Dinitrobenzene	20 ppm
							1,4-Dichlorobenzene	20 ppm
							1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2,2'-oxybis[1-chloropropane]	20 ppm
							2,3,4,6-Tetrachlorophenol	20 ppm
							2,4,5-Trichlorophenol	20 ppm
							2,4,6-Trichlorophenol	20 ppm
							2,4-Dichlorophenol	20 ppm
							2,4-Dimethylphenol	20 ppm
							2,4-Dinitrophenol	40 ppm
							2,4-Dinitrotoluene	20 ppm
							2,6-Dichlorophenol	20 ppm
							2,6-Dinitrotoluene	20 ppm
							2-Chloronaphthalene	20 ppm
							2-Chlorophenol	20 ppm
							2-Methylnaphthalene	20 ppm
							2-Methylphenol	20 ppm
							2-Nitroaniline	20 ppm
							2-Nitrophenol	20 ppm
							3-Nitroaniline	20 ppm
							4,6-Dinitro-2-methylphenol	40 ppm
							4-Bromophenyl phenyl ether	20 ppm
							4-Chloro-3-methylphenol	20 ppm
							4-Chloroaniline	20 ppm
							4-Chlorophenyl phenyl ether	20 ppm
							4-Methylphenol	20 ppm
							4-Nitroaniline	20 ppm
							4-Nitrophenol	40 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm
							Acetophenone	20 ppm
							Aniline	20 ppm
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Benzyl alcohol	20 ppm
							Bis(2-chloroethoxy)methane	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	20 ppm
							Carbazole	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethyl phthalate	20 ppm
							Dimethyl phthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Hexachlorobutadiene	20 ppm
							Hexachlorocyclopentadiene	20 ppm
							Hexachloroethane	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							Isophorone	20 ppm
							N-Nitrosodi-n-propylamine	20 ppm
							N-Nitrosodimethylamine	20 ppm
							N-Nitrosodiphenylamine	17 ppm
							Naphthalene	20 ppm
							Nitrobenzene	20 ppm
							Pentachlorophenol	40 ppm
							Phenanthrene	20 ppm
							Phenol	20 ppm
							Pyrene	20 ppm
							Pyridine	40 ppm
							3,3'-Dichlorobenzidine	20 ppm
							Benzidine	60 ppm
					MSS_BAS_WS_00018	400 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_RV8270_IS_00104	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25	Restek, Lot A0216029			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00104	09/20/25	03/21/25	MeCl2, Lot 64327	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_7_00045	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	160 uL	Benzidine	60 ppm
							1,3,5-Trinitrobenzene	20 ppm
							1,4-Dinitrobenzene	20 ppm
							1-Naphthylamine	20 ppm
							2-Acetylaminofluorene	20 ppm
							2-Naphthylamine	20 ppm
							2-Picoline	20 ppm
							2-Toluidine	20 ppm
							3,3'-Dimethylbenzidine	20 ppm
							4,4'-Methylene bis(2-chloroaniline)	20 ppm
							4-Aminobiphenyl	20 ppm
							4-Nitroquinoline-1-oxide	20 ppm
							Dibenz[a,h]acridine	20 ppm
							N-Nitro-o-toluidine	20 ppm
							N-Nitrosodi-n-butylamine	20 ppm
							N-Nitrosodiethylamine	20 ppm
							N-Nitrosomethylethylamine	20 ppm
							N-Nitrosomorpholine	20 ppm
							N-Nitrosopiperidine	20 ppm
							N-Nitrosopyrrolidine	20 ppm
							p-Dimethylamino azobenzene	20 ppm
							p-Phenylene diamine	20 ppm
							Pentachloronitrobenzene	20 ppm
							Phenacetin	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	20 ppm
							Quinoline	20 ppm
							1,4-Naphthoquinone	20 ppm
							1-Chloronaphthalene	20 ppm
							7,12-Dimethylbenz(a)anthracene	20 ppm
							Chlorobenzilate	20 ppm
							Dinoseb	20 ppm
							Ethyl methanesulfonate	20 ppm
							Hexachloropropene	20 ppm
							Isodrin	20 ppm
							Isosafrole Peak 1	3.2 ppm
							Isosafrole Peak 2	16.8 ppm
							Methyl methanesulfonate	20 ppm
							Pentachlorobenzene	20 ppm
							3-Methylcholanthrene	20 ppm
							6-Methylchrysene	20 ppm
							cis-Diallate	14.8 ppm
							Dimethoate	20 ppm
							Disulfoton	20 ppm
							Ethyl Parathion	20 ppm
							Methyl parathion	20 ppm
							o,o',o''-Triethylphosphorothioate	20 ppm
							Phorate	20 ppm
							Safrole, Total	20 ppm
							Sulfotepp	20 ppm
							Thionazin	20 ppm
							trans-Diallate	5.2 ppm
					MSS_8270_WS_00027	160 uL	2,4,6-Tribromophenol (Surr)	40 ppm
							2-Fluorobiphenyl (Surr)	40 ppm
							2-Fluorophenol (Surr)	40 ppm
							Nitrobenzene-d5 (Surr)	40 ppm
							p-Terphenyl-d14 (Surr)	40 ppm
							Phenol-d5 (Surr)	40 ppm
							Alpha-Terpineol	20 ppm
							Dimethylformamide	20 ppm
							Octachlorostyrene	20 ppm
							Phenyl ether	20 ppm
							Dibenz[a,j]acridine	20 ppm
							1,1'-Biphenyl	20 ppm
							1,2,4,5-Tetrachlorobenzene	20 ppm
							1,2,4-Trichlorobenzene	20 ppm
							1,2-Dichlorobenzene	20 ppm
							1,2-Diphenylhydrazine	20 ppm
							1,3-Dichlorobenzene	20 ppm
							1,3-Dinitrobenzene	20 ppm
							1,4-Dichlorobenzene	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	20 ppm
							1-Methylnaphthalene	20 ppm
							2,2'-oxybis[1-chloropropane]	20 ppm
							2,3,4,6-Tetrachlorophenol	20 ppm
							2,4,5-Trichlorophenol	20 ppm
							2,4,6-Trichlorophenol	20 ppm
							2,4-Dichlorophenol	20 ppm
							2,4-Dimethylphenol	20 ppm
							2,4-Dinitrophenol	40 ppm
							2,4-Dinitrotoluene	20 ppm
							2,6-Dichlorophenol	20 ppm
							2,6-Dinitrotoluene	20 ppm
							2-Chloronaphthalene	20 ppm
							2-Chlorophenol	20 ppm
							2-Methylnaphthalene	20 ppm
							2-Methylphenol	20 ppm
							2-Nitroaniline	20 ppm
							2-Nitrophenol	20 ppm
							3-Nitroaniline	20 ppm
							4,6-Dinitro-2-methylphenol	40 ppm
							4-Bromophenyl phenyl ether	20 ppm
							4-Chloro-3-methylphenol	20 ppm
							4-Chloroaniline	20 ppm
							4-Chlorophenyl phenyl ether	20 ppm
							4-Methylphenol	20 ppm
							4-Nitroaniline	20 ppm
							4-Nitrophenol	40 ppm
							Acenaphthene	20 ppm
							Acenaphthylene	20 ppm
							Acetophenone	20 ppm
							Aniline	20 ppm
							Anthracene	20 ppm
							Benzo[a]anthracene	20 ppm
							Benzo[a]pyrene	20 ppm
							Benzo[b]fluoranthene	20 ppm
							Benzo[g,h,i]perylene	20 ppm
							Benzo[k]fluoranthene	20 ppm
							Benzyl alcohol	20 ppm
							Bis(2-chloroethoxy)methane	20 ppm
							Bis(2-chloroethyl)ether	20 ppm
							Bis(2-ethylhexyl) phthalate	20 ppm
							Butyl benzyl phthalate	20 ppm
							Carbazole	20 ppm
							Chrysene	20 ppm
							Di-n-butyl phthalate	20 ppm
							Di-n-octyl phthalate	20 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	20 ppm
							Dibenzofuran	20 ppm
							Diethyl phthalate	20 ppm
							Dimethyl phthalate	20 ppm
							Fluoranthene	20 ppm
							Fluorene	20 ppm
							Hexachlorobenzene	20 ppm
							Hexachlorobutadiene	20 ppm
							Hexachlorocyclopentadiene	20 ppm
							Hexachloroethane	20 ppm
							Indeno[1,2,3-cd]pyrene	20 ppm
							Isophorone	20 ppm
							N-Nitrosodi-n-propylamine	20 ppm
							N-Nitrosodimethylamine	20 ppm
							N-Nitrosodiphenylamine	17 ppm
							Naphthalene	20 ppm
							Nitrobenzene	20 ppm
							Pentachlorophenol	40 ppm
							Phenanthrene	20 ppm
							Phenol	20 ppm
							Pyrene	20 ppm
							Pyridine	40 ppm
							3,3'-Dichlorobenzidine	20 ppm
							Benzidine	60 ppm
					MSS_BAS_WS_00018	400 uL	Atrazine	20 ppm
							Benzaldehyde	20 ppm
							Caprolactam	20 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25		Restek, Lot 0006819172		(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_8_00042	06/23/25	02/27/25	MeCl2, Lot 64313	2 mL	MSS_8270_APWS_00024	240 uL	Benzidine	90 ppm
							1,3,5-Trinitrobenzene	30 ppm
							1,4-Dinitrobenzene	30 ppm
							1-Naphthylamine	30 ppm
							2-Acetylaminofluorene	30 ppm
							2-Naphthylamine	30 ppm
							2-Picoline	30 ppm
							2-Toluidine	30 ppm
							3,3'-Dimethylbenzidine	30 ppm
							4,4'-Methylene bis(2-chloroaniline)	30 ppm
							4-Aminobiphenyl	30 ppm
							4-Nitroquinoline-1-oxide	30 ppm
							alpha,alpha-Dimethyl phenethylamine	30 ppm
							Dibenz[a,h]acridine	30 ppm
							N-Nitro-o-toluidine	30 ppm
							N-Nitrosodi-n-butylamine	30 ppm
							N-Nitrosodiethylamine	30 ppm
							N-Nitrosomethylethylamine	30 ppm
							N-Nitrosomorpholine	30 ppm
							N-Nitrosopiperidine	30 ppm
							N-Nitrosopyrrolidine	30 ppm
							p-Dimethylamino azobenzene	30 ppm
							p-Phenylene diamine	30 ppm
							Pentachloronitrobenzene	30 ppm
							Phenacetin	30 ppm
							Pronamide	30 ppm
							Quinoline	30 ppm
							1,4-Naphthoquinone	30 ppm
							1-Chloronaphthalene	30 ppm
							7,12-Dimethylbenz(a)anthracene	30 ppm
							Chlorobenzilate	30 ppm
							Dinoseb	30 ppm
							Ethyl methanesulfonate	30 ppm
							Hexachloropropene	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	30 ppm
							Isosafrole Peak 1	4.8 ppm
							Isosafrole Peak 2	25.2 ppm
							Methyl methanesulfonate	30 ppm
							Pentachlorobenzene	30 ppm
							3-Methylcholanthrene	30 ppm
							6-Methylchrysene	30 ppm
							cis-Diallate	22.2 ppm
							Dimethoate	30 ppm
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Famphur	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							Thionazin	30 ppm
							trans-Diallate	7.8 ppm
					MSS_8270_WS_00026	240 uL	2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Alpha-Terpineol	30 ppm
							Dimethylformamide	30 ppm
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,2'-oxybis[1-chloropropane]	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	60 ppm
							2,4-Dinitrotoluene	30 ppm
							2,6-Dichlorophenol	30 ppm
							2,6-Dinitrotoluene	30 ppm
							2-Chloronaphthalene	30 ppm
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Methylphenol	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl phenyl ether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl phenyl ether	30 ppm
							4-Methylphenol	30 ppm
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butyl benzyl phthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethyl phthalate	30 ppm
							Dimethyl phthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							N-Nitrosodi-n-propylamine	30 ppm
							N-Nitrosodimethylamine	30 ppm
							N-Nitrosodiphenylamine	25.5 ppm
							Naphthalene	30 ppm
							Nitrobenzene	30 ppm
							Pentachlorophenol	60 ppm
							Phenanthrene	30 ppm
							Phenol	30 ppm
							Pyrene	30 ppm
							Pyridine	60 ppm
							3,3'-Dichlorobenzidine	30 ppm
							Benzidine	90 ppm
					MSS_BAS_WS_00017	600 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_RV8270_IS_00103	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00024	06/30/25	02/18/25	MeCl2, Lot 64313	5 mL	MSS_AB_BZIDIN_00011	500 uL	Benzidine	500 ppm
					OP_RES_APPX1_00016	1250 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							alpha,alpha-Dimethyl phenethylamine	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm
					OP_RES_APPX2_00016	1250 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00012	625 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00010	1250 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Famphur	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00011	10/27/25		Absolute, Lot 102722		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00016	06/30/25		Restek, Lot A0216252		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00016	07/31/25		Restek, Lot A0213441		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00012	12/31/25		Restek, Lot A0209687		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00010	12/31/25		Restek, Lot A0203600		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00026	07/31/25	02/20/25	MeCl2, Lot 64313	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00022	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27		Restek, Lot A0216024		(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00022	07/31/25		Restek, Lot A0216029		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00017	06/23/25	12/23/24	MeCl2, Lot 64299	5 mL	OP_LCSmix2stk_00009	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00009	11/30/25		Restek, Lot A0212130		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00103	08/26/25	02/26/25	MeCl2, Lot 64313	25 mL	MSS_FV8270_IS_00006	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00006	07/31/26		Restek, Lot A0200416		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_8_00044	08/28/25	06/23/25	MeCl2, Lot 65052	2 mL	MSS_8270_APWS_00028	240 uL	Benzidine	90 ppm
							1,3,5-Trinitrobenzene	30 ppm
							1,4-Dinitrobenzene	30 ppm
							1-Naphthylamine	30 ppm
							2-Acetylaminofluorene	30 ppm
							2-Naphthylamine	30 ppm
							2-Picoline	30 ppm
							2-Toluidine	30 ppm
							3,3'-Dimethylbenzidine	30 ppm
							4,4'-Methylene bis(2-chloroaniline)	30 ppm
							4-Aminobiphenyl	30 ppm
							4-Nitroquinoline-1-oxide	30 ppm
							Dibenz[a,h]acridine	30 ppm
							N-Nitro-o-toluidine	30 ppm
							N-Nitrosodi-n-butylamine	30 ppm
							N-Nitrosodiethylamine	30 ppm
							N-Nitrosomethylethylamine	30 ppm
							N-Nitrosomorpholine	30 ppm
							N-Nitrosopiperidine	30 ppm
							N-Nitrosopyrrolidine	30 ppm
							p-Dimethylamino azobenzene	30 ppm
							p-Phenylene diamine	30 ppm
							Pentachloronitrobenzene	30 ppm
							Phenacetin	30 ppm
							Pronamide	30 ppm
							Quinoline	30 ppm
							1,4-Naphthoquinone	30 ppm
							1-Chloronaphthalene	30 ppm
							7,12-Dimethylbenz(a)anthracene	30 ppm
							Chlorobenzilate	30 ppm
							Dinoseb	30 ppm
							Ethyl methanesulfonate	30 ppm
							Hexachloropropene	30 ppm
							Isodrin	30 ppm
							Isosafrole Peak 1	4.8 ppm
							Isosafrole Peak 2	25.2 ppm
							Methyl methanesulfonate	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	30 ppm
							3-Methylcholanthrene	30 ppm
							6-Methylchrysene	30 ppm
							cis-Diallate	22.2 ppm
							Dimethoate	30 ppm
							Disulfoton	30 ppm
							Ethyl Parathion	30 ppm
							Methyl parathion	30 ppm
							o,o',o''-Triethylphosphorothioate	30 ppm
							Phorate	30 ppm
							Safrole, Total	30 ppm
							Sulfotepp	30 ppm
							Thionazin	30 ppm
							trans-Diallate	7.8 ppm
					MSS_8270_WS_00027	240 uL	2,4,6-Tribromophenol (Surr)	60 ppm
							2-Fluorobiphenyl (Surr)	60 ppm
							2-Fluorophenol (Surr)	60 ppm
							Nitrobenzene-d5 (Surr)	60 ppm
							p-Terphenyl-d14 (Surr)	60 ppm
							Phenol-d5 (Surr)	60 ppm
							Alpha-Terpineol	30 ppm
							Dimethylformamide	30 ppm
							Octachlorostyrene	30 ppm
							Phenyl ether	30 ppm
							Dibenz[a,j]acridine	30 ppm
							1,1'-Biphenyl	30 ppm
							1,2,4,5-Tetrachlorobenzene	30 ppm
							1,2,4-Trichlorobenzene	30 ppm
							1,2-Dichlorobenzene	30 ppm
							1,2-Diphenylhydrazine	30 ppm
							1,3-Dichlorobenzene	30 ppm
							1,3-Dinitrobenzene	30 ppm
							1,4-Dichlorobenzene	30 ppm
							1,4-Dioxane	30 ppm
							1-Methylnaphthalene	30 ppm
							2,2'-oxybis[1-chloropropane]	30 ppm
							2,3,4,6-Tetrachlorophenol	30 ppm
							2,4,5-Trichlorophenol	30 ppm
							2,4,6-Trichlorophenol	30 ppm
							2,4-Dichlorophenol	30 ppm
							2,4-Dimethylphenol	30 ppm
							2,4-Dinitrophenol	60 ppm
							2,4-Dinitrotoluene	30 ppm
							2,6-Dichlorophenol	30 ppm
							2,6-Dinitrotoluene	30 ppm
							2-Chloronaphthalene	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	30 ppm
							2-Methylnaphthalene	30 ppm
							2-Methylphenol	30 ppm
							2-Nitroaniline	30 ppm
							2-Nitrophenol	30 ppm
							3-Nitroaniline	30 ppm
							4,6-Dinitro-2-methylphenol	60 ppm
							4-Bromophenyl phenyl ether	30 ppm
							4-Chloro-3-methylphenol	30 ppm
							4-Chloroaniline	30 ppm
							4-Chlorophenyl phenyl ether	30 ppm
							4-Methylphenol	30 ppm
							4-Nitroaniline	30 ppm
							4-Nitrophenol	60 ppm
							Acenaphthene	30 ppm
							Acenaphthylene	30 ppm
							Acetophenone	30 ppm
							Aniline	30 ppm
							Anthracene	30 ppm
							Benzo[a]anthracene	30 ppm
							Benzo[a]pyrene	30 ppm
							Benzo[b]fluoranthene	30 ppm
							Benzo[g,h,i]perylene	30 ppm
							Benzo[k]fluoranthene	30 ppm
							Benzyl alcohol	30 ppm
							Bis(2-chloroethoxy)methane	30 ppm
							Bis(2-chloroethyl)ether	30 ppm
							Bis(2-ethylhexyl) phthalate	30 ppm
							Butyl benzyl phthalate	30 ppm
							Carbazole	30 ppm
							Chrysene	30 ppm
							Di-n-butyl phthalate	30 ppm
							Di-n-octyl phthalate	30 ppm
							Dibenz(a,h)anthracene	30 ppm
							Dibenzofuran	30 ppm
							Diethyl phthalate	30 ppm
							Dimethyl phthalate	30 ppm
							Fluoranthene	30 ppm
							Fluorene	30 ppm
							Hexachlorobenzene	30 ppm
							Hexachlorobutadiene	30 ppm
							Hexachlorocyclopentadiene	30 ppm
							Hexachloroethane	30 ppm
							Indeno[1,2,3-cd]pyrene	30 ppm
							Isophorone	30 ppm
							N-Nitrosodi-n-propylamine	30 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	30 ppm
							N-Nitrosodiphenylamine	25.5 ppm
							Naphthalene	30 ppm
							Nitrobenzene	30 ppm
							Pentachlorophenol	60 ppm
							Phenanthrene	30 ppm
							Phenol	30 ppm
							Pyrene	30 ppm
							Pyridine	60 ppm
							3,3'-Dichlorobenzidine	30 ppm
							Benzidine	90 ppm
					MSS_BAS_WS_00018	600 uL	Atrazine	30 ppm
							Benzaldehyde	30 ppm
							Caprolactam	30 ppm
					MSS_RV8270_IS_00110	40 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_8270_APWS_00028	12/31/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_AB_BZIDIN_00012	1000 uL	Benzidine	500 ppm
					OP_RES_APPX1_00018	2500 uL	1,3,5-Trinitrobenzene	250 ppm
							1,4-Dinitrobenzene	250 ppm
							1-Naphthylamine	250 ppm
							2-Acetylaminofluorene	250 ppm
							2-Naphthylamine	250 ppm
							2-Picoline	250 ppm
							2-Toluidine	250 ppm
							3,3'-Dimethylbenzidine	250 ppm
							4,4'-Methylene bis(2-chloroaniline)	250 ppm
							4-Aminobiphenyl	250 ppm
							4-Nitroquinoline-1-oxide	250 ppm
							Dibenz[a,h]acridine	250 ppm
							N-Nitro-o-toluidine	250 ppm
							N-Nitrosodi-n-butylamine	250 ppm
							N-Nitrosodiethylamine	250 ppm
							N-Nitrosomethylethylamine	250 ppm
							N-Nitrosomorpholine	250 ppm
							N-Nitrosopiperidine	250 ppm
							N-Nitrosopyrrolidine	250 ppm
							p-Dimethylamino azobenzene	250 ppm
							p-Phenylene diamine	250 ppm
							Pentachloronitrobenzene	250 ppm
							Phenacetin	250 ppm
							Pronamide	250 ppm
							Quinoline	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					OP_RES_APPX2_00018	2500 uL	1,4-Naphthoquinone	250 ppm
							1-Chloronaphthalene	250 ppm
							7,12-Dimethylbenz(a)anthracene	250 ppm
							Chlorobenzilate	250 ppm
							Dinoseb	250 ppm
							Ethyl methanesulfonate	250 ppm
							Hexachloropropene	250 ppm
							Isodrin	250 ppm
							Isosafrole Peak 1	40 ppm
							Isosafrole Peak 2	210 ppm
							Methyl methanesulfonate	250 ppm
							Pentachlorobenzene	250 ppm
					OP_RES_APPX3_00013	1250 uL	3-Methylcholanthrene	250 ppm
							6-Methylchrysene	250 ppm
					OP_RES_APPX4_00015	2500 uL	cis-Diallate	185 ppm
							Dimethoate	250 ppm
							Disulfoton	250 ppm
							Ethyl Parathion	250 ppm
							Methyl parathion	250 ppm
							o,o',o''-Triethylphosphorothioate	250 ppm
							Phorate	250 ppm
							Safrole, Total	250 ppm
							Sulfotepp	250 ppm
							Thionazin	250 ppm
							trans-Diallate	65 ppm
..MSS_AB_BZIDIN_00012	10/07/27		Absolute, Lot 100724		(Purchased Reagent)		Benzidine	5000 ug/mL
..OP_RES_APPX1_00018	01/31/26		Restek, Lot A0220647		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..OP_RES_APPX2_00018	12/31/25		Restek, Lot A0219845		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
..OP_RES_APPX3_00013	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..OP_RES_APPX4_00015	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		cis-Diallate	740 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
							trans-Diallate	260 ug/mL
.MSS_8270_WS_00027	09/30/25	06/20/25	MeCl2, Lot 65052	10 mL	MSS_8270_SURR_00007	1250 uL	2,4,6-Tribromophenol (Surr)	500 ppm
							2-Fluorobiphenyl (Surr)	500 ppm
							2-Fluorophenol (Surr)	500 ppm
							Nitrobenzene-d5 (Surr)	500 ppm
							p-Terphenyl-d14 (Surr)	500 ppm
							Phenol-d5 (Surr)	500 ppm
					OP_Agi_LCSadd_00001	1250 uL	Alpha-Terpineol	250 ppm
							Dimethylformamide	250 ppm
							Octachlorostyrene	250 ppm
							Phenyl ether	250 ppm
					OP_RES_APPX6_00010	1250 uL	Dibenz[a,j]acridine	250 ppm
					OP_RES_LCS1_00023	2500 uL	1,1'-Biphenyl	250 ppm
							1,2,4,5-Tetrachlorobenzene	250 ppm
							1,2,4-Trichlorobenzene	250 ppm
							1,2-Dichlorobenzene	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	250 ppm
							1,3-Dichlorobenzene	250 ppm
							1,3-Dinitrobenzene	250 ppm
							1,4-Dichlorobenzene	250 ppm
							1,4-Dioxane	250 ppm
							1-Methylnaphthalene	250 ppm
							2,2'-oxybis[1-chloropropane]	250 ppm
							2,3,4,6-Tetrachlorophenol	250 ppm
							2,4,5-Trichlorophenol	250 ppm
							2,4,6-Trichlorophenol	250 ppm
							2,4-Dichlorophenol	250 ppm
							2,4-Dimethylphenol	250 ppm
							2,4-Dinitrophenol	500 ppm
							2,4-Dinitrotoluene	250 ppm
							2,6-Dichlorophenol	250 ppm
							2,6-Dinitrotoluene	250 ppm
							2-Chloronaphthalene	250 ppm
							2-Chlorophenol	250 ppm
							2-Methylnaphthalene	250 ppm
							2-Methylphenol	250 ppm
							2-Nitroaniline	250 ppm
							2-Nitrophenol	250 ppm
							3-Nitroaniline	250 ppm
							4,6-Dinitro-2-methylphenol	500 ppm
							4-Bromophenyl phenyl ether	250 ppm
							4-Chloro-3-methylphenol	250 ppm
							4-Chloroaniline	250 ppm
							4-Chlorophenyl phenyl ether	250 ppm
							4-Methylphenol	250 ppm
							4-Nitroaniline	250 ppm
							4-Nitrophenol	500 ppm
							Acenaphthene	250 ppm
							Acenaphthylene	250 ppm
							Acetophenone	250 ppm
							Aniline	250 ppm
							Anthracene	250 ppm
							Benzo[a]anthracene	250 ppm
							Benzo[a]pyrene	250 ppm
							Benzo[b]fluoranthene	250 ppm
							Benzo[g,h,i]perylene	250 ppm
							Benzo[k]fluoranthene	250 ppm
							Benzyl alcohol	250 ppm
							Bis(2-chloroethoxy)methane	250 ppm
							Bis(2-chloroethyl)ether	250 ppm
							Bis(2-ethylhexyl) phthalate	250 ppm
							Butyl benzyl phthalate	250 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	250 ppm
							Chrysene	250 ppm
							Di-n-butyl phthalate	250 ppm
							Di-n-octyl phthalate	250 ppm
							Dibenz(a,h)anthracene	250 ppm
							Dibenzofuran	250 ppm
							Diethyl phthalate	250 ppm
							Dimethyl phthalate	250 ppm
							Fluoranthene	250 ppm
							Fluorene	250 ppm
							Hexachlorobenzene	250 ppm
							Hexachlorobutadiene	250 ppm
							Hexachlorocyclopentadiene	250 ppm
							Hexachloroethane	250 ppm
							Indeno[1,2,3-cd]pyrene	250 ppm
							Isophorone	250 ppm
							N-Nitrosodi-n-propylamine	250 ppm
							N-Nitrosodimethylamine	250 ppm
							N-Nitrosodiphenylamine	212.5 ppm
							Naphthalene	250 ppm
							Nitrobenzene	250 ppm
							Pentachlorophenol	500 ppm
							Phenanthrene	250 ppm
							Phenol	250 ppm
							Pyrene	250 ppm
							Pyridine	500 ppm
					OP_RES_LCS2_00013	1250 uL	3,3'-Dichlorobenzidine	250 ppm
							Benzidine	250 ppm
..MSS_8270_SURR_00007	12/31/26	Sigma- Aldrich, Lot LRAD7196			(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	4000 ug/mL
							2-Fluorobiphenyl (Surr)	4000 ug/mL
							2-Fluorophenol (Surr)	4000 ug/mL
							Nitrobenzene-d5 (Surr)	4000 ug/mL
							p-Terphenyl-d14 (Surr)	4000 ug/mL
							Phenol-d5 (Surr)	4000 ug/mL
..OP_Agi_LCSadd_00001	11/30/25	Restek, Lot 0006819172			(Purchased Reagent)		Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..OP_RES_APPX6_00010	09/30/27	Restek, Lot A0216024			(Purchased Reagent)		Dibenz[a,j]acridine	2000 ug/mL
..OP_RES_LCS1_00023	09/30/25	Restek, Lot A0219584			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.MSS_BAS_WS_00018	08/28/25	02/28/25	MeCl2, Lot 64313	5 mL	OP_LCSmix2stk_00010	250 uL	Atrazine	100 ppm
							Benzaldehyde	100 ppm
							Caprolactam	100 ppm
..OP_LCSmix2stk_00010	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270_IS_00111	12/24/25	06/24/25	MeCl2, Lot 65052	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	0.00025 ppm Molar

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	0.00025 ppm Molar
							Naphthalene-d8	0.00025 ppm Molar
							Perylene-d12	0.00025 ppm Molar
							Phenanthrene-d10	0.00025 ppm Molar
							Pyrene-d10 (IS)	0.00025 ppm Molar
.MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00036	04/30/25	04/03/25	MeCl2, Lot 65010	2 mL	MSS_FV8270ICV_00043	500 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270ICV_00043	04/30/25	04/02/25	MeCl2, Lot 65010	5 mL	MSS_FV8270_IS_00007	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_IS_00007	01/31/28		Restek, Lot A0221275		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00036	04/30/25	04/03/25	MeCl2, Lot 65010	2 mL	MSS_FV8270ICV_00043	500 uL	2,4-Dinitrotoluene	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							Diethyl phthalate	12.5 ppm
.MSS_FV8270ICV_00043	04/30/25	04/02/25	MeCl2, Lot 65010	5 mL	MS_RES_ICV1_00009	250 uL	2,4-Dinitrotoluene	50 ppm
							2,6-Dinitrotoluene	50 ppm
							Diethyl phthalate	50 ppm
..MS_RES_ICV1_00009	04/30/25		Restek, Lot A0212976		(Purchased Reagent)		2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
MSS_RV8270ICV_00037	08/31/25	05/01/25	MeCl2, Lot 64327	2 mL	MSS_FV8270ICV_00044	500 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_FV8270ICV_00044	08/31/25	05/01/25	MeCl2, Lot 64327	5 mL	MSS_FV8270_IS_00007	100 uL	1,4-Dichlorobenzene-d4	20 ppm
							Acenaphthene-d10	20 ppm
							Naphthalene-d8	20 ppm
							Perylene-d12	20 ppm
							Phenanthrene-d10	20 ppm
							Pyrene-d10 (IS)	20 ppm
..MSS_FV8270_IS_00007	01/31/28		Restek, Lot A0221275		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RV8270ICV_00037	08/31/25	05/01/25	MeCl2, Lot 64327	2 mL	MSS_FV8270ICV_00044	500 uL	2,4-Dinitrotoluene	12.5 ppm
							2,6-Dinitrotoluene	12.5 ppm
							Diethyl phthalate	12.5 ppm
.MSS_FV8270ICV_00044	08/31/25	05/01/25	MeCl2, Lot 64327	5 mL	MS_RES_ICV1_00010	250 uL	2,4-Dinitrotoluene	50 ppm
							2,6-Dinitrotoluene	50 ppm
							Diethyl phthalate	50 ppm
..MS_RES_ICV1_00010	10/31/25		Restek, Lot A0219885		(Purchased Reagent)		2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
MSS_RVDFTPP_00016							3 & 4 Methylphenol	
							4,4'-DDD	
							4,4'-DDE	
							Aramite, Total	
							Diallate	
							Diphenylamine	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
					MSS_AB_DFTPP_00016	625 uL	4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00016	07/20/25		Absolute, Lot 072022		(Purchased Reagent)		4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVDFTPP_00018							3 & 4 Methylphenol	
							Aramite, Total	
							Diallate	

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diphenylamine	
							Isosafrole	
							m&p-Methylphenol	
							Tentatively Identified Compound	
							Total Cresols	
					MSS_AB_DFTPP_00018	625 uL	4,4'-DDD	
							4,4'-DDE	
							4,4'-DDT	12.5 ppm
							Benzidine_T	12.5 ppm
							DFTPP	12.5 ppm
							Pentachlorophenol_T	12.5 ppm
.MSS_AB_DFTPP_00018	10/21/27		Absolute, Lot 102124		(Purchased Reagent)		4,4'-DDD	0 ug/mL
							4,4'-DDE	0 ug/mL
							4,4'-DDT	500 ug/mL
							Benzidine_T	500 ug/mL
							DFTPP	500 ug/mL
							Pentachlorophenol_T	500 ug/mL
MSS_RVHCPICV_00011	12/10/25	06/24/25	MeCl2, Lot 65052	1 mL	MSS_RV8270_IS_00110	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSS_RVPDAICV_00007	12/10/25	06/24/25	MeCl2, Lot 65052	1 mL	MSS_RV8270_IS_00110	20 uL	1,4-Dichlorobenzene-d4	5 ppm
							Acenaphthene-d10	5 ppm
							Naphthalene-d8	5 ppm
							Perylene-d12	5 ppm
							Phenanthrene-d10	5 ppm
							Pyrene-d10 (IS)	5 ppm
.MSS_RV8270_IS_00110	12/10/25	06/10/25	MeCl2, Lot 65059	25 mL	MSS_FV8270_IS_00009	6250 uL	1,4-Dichlorobenzene-d4	250 ppm
							Acenaphthene-d10	250 ppm
							Naphthalene-d8	250 ppm
							Perylene-d12	250 ppm

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	250 ppm
							Pyrene-d10 (IS)	250 ppm
..MSS_FV8270_IS_00009	03/31/28		Restek, Lot A0223654		(Purchased Reagent)		1,4-Dichlorobenzene-d4	1000 ug/mL
							Acenaphthene-d10	1000 ug/mL
							Naphthalene-d8	1000 ug/mL
							Perylene-d12	1000 ug/mL
							Phenanthrene-d10	1000 ug/mL
							Pyrene-d10 (IS)	1000 ug/mL
MSV_CCV_CYC_00011	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	200 mL	MSV_VCYC_STK_00014	8.884 mL	Cyclohexanone	6249.45 ug/mL
.MSV_VCYC_STK_00014	06/13/25	12/13/24	50/50 MeOH/Water, Lot EH471	10 mL	MSV_CYC_00010	1.4069 g	Cyclohexanone	140690 ug/mL
..MSV_CYC_00010	06/30/27		Chem Service, Lot 15471000		(Purchased Reagent)		Cyclohexanone	1 g/g
MSV_CCV_V5ACE_00049	06/29/25	05/30/25	Methanol, Lot EJ274	10 mL	MSV_AcetatesV_00089	1 mL	Acetonitrile	5000 ug/mL
							Ethyl acetate	1000 ug/mL
							Vinyl acetate	1000 ug/mL
.MSV_AcetatesV_00089	11/30/25		Restek, Lot A0211993		(Purchased Reagent)		Acetonitrile	50000 ug/mL
							Ethyl acetate	10000 ug/mL
							Vinyl acetate	10000 ug/mL
MSV_DME_00064	07/04/25		Restek, Lot A0220508		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_DME_00072	08/07/25		Restek, Lot A0220508		(Purchased Reagent)		Dimethyl ether	1000 ug/mL
MSV_HP25_ISO_00013	12/04/25	06/04/25	Methanol, Lot EJ274	10 mL	MSV_Cus826_IS_00741	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00741	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00114	12/04/25	06/04/25	Methanol, Lot EJ274	10 mL	MSV_8260_SS_01451	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
					MSV_Cus826_IS_00741	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_8260_SS_01451	10/31/29		Restek, Lot A0217887		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.MSV_Cus826_IS_00741	10/31/26		Restek, Lot A0203141		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MSV_HP25_ISSS_00117	01/23/26	07/23/25	Methanol, Lot EJ274	10 mL	MSV_Cus826_IS_00815	1 mL	1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5 (IS)	250 ug/mL
							Fluorobenzene (IS)	250 ug/mL
							t-Butyl alcohol-d10 (IS)	1250 ug/mL
.MSV_Cus826_IS_00815	05/31/27		Restek, Lot A0211699		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5 (IS)	2500 ug/mL
							Fluorobenzene (IS)	2500 ug/mL
							t-Butyl alcohol-d10 (IS)	12500 ug/mL
MSV_HP25_ISSS_00117	01/23/26	07/23/25	Methanol, Lot EJ274	10 mL	MSV_8260_SS_01473	1 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MSV_8260_SS_01473	10/31/29		Restek, Lot A0217887		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MSV_LCS_EE_00011	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_QEE_MiscS_00015	0.061 mL	Diethyl ether	39.711 ug/mL
.MSV_QEE_MiscS_00015	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.3255 g	Diethyl ether	32550 ug/mL
..MSV_EE_Neat_00013	06/30/27		Chem Service, Lot 15507600		(Purchased Reagent)		Diethyl ether	1 g/g
MSV_LCS_VOC#1_00222	07/02/25	06/02/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00271	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							Benzene	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00276	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Tetrahydrofuran	200 ug/mL
					MSV_Q_Ketones_00277	1 mL	2-Butanone	500 ug/mL
.MSV_M_MIX1SEC_00271	12/31/27		Restek, Lot A0225025		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							Benzene	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00276	05/31/28		Restek, Lot A0225702		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MSV_Q_Ketones_00277	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone	12500 ug/mL
MSV_LCS_VOC#1_00232	09/03/25	08/04/25	Methanol, Lot EH471	25 mL	MSV_M_MIX1SEC_00280	1 mL	1,1,1-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							Benzene	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Ethylbenzene	40 ug/mL
							Methylene Chloride	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							Trichloroethene	40 ug/mL
					MSV_M_MIX2SEC_00289	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							Tetrahydrofuran	200 ug/mL
					MSV_Q_Ketones_00290	1 mL	2-Butanone	500 ug/mL
.MSV_M_MIX1SEC_00280	12/31/27		Restek, Lot A0225025		(Purchased Reagent)		1,1,1-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							Benzene	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							Trichloroethene	1000 ug/mL
.MSV_M_MIX2SEC_00289	05/31/28		Restek, Lot A0225702		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
.MSV_Q_Ketones_00290	04/30/27		Restek, Lot A0209876		(Purchased Reagent)		2-Butanone	12500 ug/mL
MSV_LL_#1_826_00168	06/28/25	06/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_VOC#1_00238	50 uL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	100 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1,4-Dioxane	2500 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							2-Nitropropane	250 ug/mL
							3-Chloro-1-propene	50 ug/mL
							Acrylonitrile	125 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	50 ug/mL
							Carbon disulfide	50 ug/mL
							Cyclohexane	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Isopropyl ether	50 ug/mL
							Methacrylonitrile	500 ug/mL
							Methyl acetate	50 ug/mL
							Methyl methacrylate	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							n-Butanol	4375 ug/mL
							n-Heptane	50 ug/mL
							Propionitrile	1000 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
							Tetrahydrofuran	250 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
					MSV_CCV_VOC#3_00239	200 uL	Acrolein	2439.54 ug/mL
							2-Butanone	500 ug/mL
							2-Hexanone	500 ug/mL
							4-Methyl-2-pentanone (MIBK)	500 ug/mL
							Acetone	500 ug/mL
					MSV_V_VOA2_00292	150 uL	1,4-Dioxane	2500 ug/mL
							2-Methyl-2-propanol	1000 ug/mL
							Isobutyl alcohol	2500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	4375 ug/mL
							Propionitrile	1000 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
.MSV_CCV_VOC#1_00238	07/02/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00234	1 mL	1,1,1,2-Tetrachloroethane	1000 ug/mL
							1,1,1-Trichloroethane	1000 ug/mL
							1,1,2,2-Tetrachloroethane	1000 ug/mL
							1,1,2-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							1,1-Dichloropropene	1000 ug/mL
							1,2,3-Trichlorobenzene	1000 ug/mL
							1,2,3-Trichloropropane	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2,4-Trimethylbenzene	1000 ug/mL
							1,2-Dibromo-3-Chloropropane	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Dichloroethane	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	1000 ug/mL
							1,3,5-Trimethylbenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dichloropropane	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2-Dichloropropane	1000 ug/mL
							2-Chlorotoluene	1000 ug/mL
							4-Chlorotoluene	1000 ug/mL
							4-Isopropyltoluene	1000 ug/mL
							Benzene	1000 ug/mL
							Bromobenzene	1000 ug/mL
							Bromoform	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Chlorobenzene	1000 ug/mL
							Chlorobromomethane	1000 ug/mL
							Chlorodibromomethane	1000 ug/mL
							Chloroform	1000 ug/mL
							cis-1,2-Dichloroethene	1000 ug/mL
							cis-1,3-Dichloropropene	1000 ug/mL
							Dibromomethane	1000 ug/mL
							Dichlorobromomethane	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Ethylene Dibromide	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Isopropylbenzene	1000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methylene Chloride	1000 ug/mL
							n-Butylbenzene	1000 ug/mL
							N-Propylbenzene	1000 ug/mL
							Naphthalene	1000 ug/mL
							o-Xylene	1000 ug/mL
							sec-Butylbenzene	1000 ug/mL
							Styrene	1000 ug/mL
							tert-Butylbenzene	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							trans-1,2-Dichloroethene	1000 ug/mL
							trans-1,3-Dichloropropene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00232	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							1,2,3-Trimethylbenzene	1000 ug/mL
							1,3,5-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	12500 ug/mL
							1-Chlorohexane	1000 ug/mL
							2-Chloro-1,3-butadiene	1000 ug/mL
							2-Methyl-2-propanol	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitropropane	5000 ug/mL
							3-Chloro-1-propene	1000 ug/mL
							Acrylonitrile	2500 ug/mL
							Benzyl chloride	1000 ug/mL
							Carbon disulfide	1000 ug/mL
							Cyclohexane	1000 ug/mL
							Ethyl methacrylate	1000 ug/mL
							Hexane	1000 ug/mL
							Iodomethane	1000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropyl ether	1000 ug/mL
							Methacrylonitrile	2500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl methacrylate	1000 ug/mL
							Methyl tert-butyl ether	1000 ug/mL
							Methylcyclohexane	1000 ug/mL
							n-Butanol	12500 ug/mL
							n-Heptane	1000 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	1000 ug/mL
							Tert-butyl ethyl ether	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_MegaMIX#1_00234	07/02/25		Restek, Lot A0211483		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	5000 ug/mL
							1,1,1-Trichloroethane	5000 ug/mL
							1,1,2,2-Tetrachloroethane	5000 ug/mL
							1,1,2-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							1,1-Dichloropropene	5000 ug/mL
							1,2,3-Trichlorobenzene	5000 ug/mL
							1,2,3-Trichloropropane	5000 ug/mL
							1,2,4-Trichlorobenzene	5000 ug/mL
							1,2,4-Trimethylbenzene	5000 ug/mL
							1,2-Dibromo-3-Chloropropane	5000 ug/mL
							1,2-Dichlorobenzene	5000 ug/mL
							1,2-Dichloroethane	5000 ug/mL
							1,2-Dichloropropane	5000 ug/mL
							1,3,5-Trimethylbenzene	5000 ug/mL
							1,3-Dichlorobenzene	5000 ug/mL
							1,3-Dichloropropane	5000 ug/mL
							1,4-Dichlorobenzene	5000 ug/mL
							2,2-Dichloropropane	5000 ug/mL
							2-Chlorotoluene	5000 ug/mL
							4-Chlorotoluene	5000 ug/mL
							4-Isopropyltoluene	5000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	5000 ug/mL
							Bromobenzene	5000 ug/mL
							Bromoform	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Chlorobenzene	5000 ug/mL
							Chlorobromomethane	5000 ug/mL
							Chlorodibromomethane	5000 ug/mL
							Chloroform	5000 ug/mL
							cis-1,2-Dichloroethene	5000 ug/mL
							cis-1,3-Dichloropropene	5000 ug/mL
							Dibromomethane	5000 ug/mL
							Dichlorobromomethane	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Ethylene Dibromide	5000 ug/mL
							Hexachlorobutadiene	5000 ug/mL
							Isopropylbenzene	5000 ug/mL
							m-Xylene & p-Xylene	10000 ug/mL
							Methylene Chloride	5000 ug/mL
							n-Butylbenzene	5000 ug/mL
							N-Propylbenzene	5000 ug/mL
							Naphthalene	5000 ug/mL
							o-Xylene	5000 ug/mL
							sec-Butylbenzene	5000 ug/mL
							Styrene	5000 ug/mL
							tert-Butylbenzene	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							trans-1,2-Dichloroethene	5000 ug/mL
							trans-1,3-Dichloropropene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00232	07/02/25		Restek, Lot A0212010		(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							1,2,3-Trimethylbenzene	5000 ug/mL
							1,3,5-Trichlorobenzene	5000 ug/mL
							1,4-Dioxane	62500 ug/mL
							1-Chlorohexane	5000 ug/mL
							2-Chloro-1,3-butadiene	5000 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							2-Nitropropane	25000 ug/mL
							3-Chloro-1-propene	5000 ug/mL
							Acrylonitrile	12500 ug/mL
							Benzyl chloride	5000 ug/mL
							Carbon disulfide	5000 ug/mL
							Cyclohexane	5000 ug/mL
							Ethyl methacrylate	5000 ug/mL
							Hexane	5000 ug/mL
							Iodomethane	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	62500 ug/mL
							Isopropyl ether	5000 ug/mL
							Methacrylonitrile	12500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							Methyl tert-butyl ether	5000 ug/mL
							Methylcyclohexane	5000 ug/mL
							n-Butanol	62500 ug/mL
							n-Heptane	5000 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	5000 ug/mL
							Tert-butyl ethyl ether	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
.MSV_CCV_VOC#3_00239	06/28/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_CCV_ACR_00027	0.5 mL	Acrolein	12197.7 ug/mL
					MSV_V_Ketones_00230	1 mL	2-Butanone	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
..MSV_CCV_ACR_00027	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_VACR_STK_00047	9.072 mL	Acrolein	121977 ug/mL
...MSV_VACR_STK_00047	06/28/25	04/29/25	Methanol, Lot EH471	10 mL	MSV_ACROLEIN_00040	1.4473 g	Acrolein	134454 ug/mL
....MSV_ACROLEIN_00040	08/31/25	Chem Service, Lot 15807600			(Purchased Reagent)		Acrolein	0.929 g/g
..MSV_V_Ketones_00230	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.MSV_V_VOA2_00292	07/02/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_V#2B_00428	1 mL	1,4-Dioxane	12500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Methacrylonitrile	2500 ug/mL
							n-Butanol	25000 ug/mL
							Propionitrile	5000 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
..MSV_V#2B_00428	05/31/26	Restek, Lot A0211456			(Purchased Reagent)		1,4-Dioxane	62500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Methacrylonitrile	12500 ug/mL
							n-Butanol	125000 ug/mL
							Propionitrile	25000 ug/mL
							trans-1,4-Dichloro-2-butene	12500 ug/mL
MSV_LL_#1_826_00173	08/18/25	08/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_VOC#1_00247	50 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							Benzene	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Ethylbenzene	50 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							Trichloroethene	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							Tetrahydrofuran	250 ug/mL
					MSV_CCV_VOC#3_00249	200 uL	2-Butanone	500 ug/mL
.MSV_CCV_VOC#1_00247	09/03/25	08/04/25	Methanol, Lot EH471	5 mL	MSV_MegaMIX#1_00242	1 mL	1,1,1-Trichloroethane	1000 ug/mL
							1,1-Dichloroethane	1000 ug/mL
							1,1-Dichloroethene	1000 ug/mL
							Benzene	1000 ug/mL
							Carbon tetrachloride	1000 ug/mL
							Ethylbenzene	1000 ug/mL
							Methylene Chloride	1000 ug/mL
							Tetrachloroethene	1000 ug/mL
							Toluene	1000 ug/mL
							Trichloroethene	1000 ug/mL
					MSV_MegaMix#2_00245	1 mL	1,1,2-Trichloro-1,2,2-trifluoroethane	1000 ug/mL
							Tetrahydrofuran	5000 ug/mL
..MSV_MegaMIX#1_00242	09/03/25	Restek, Lot A0224890			(Purchased Reagent)		1,1,1-Trichloroethane	5000 ug/mL
							1,1-Dichloroethane	5000 ug/mL
							1,1-Dichloroethene	5000 ug/mL
							Benzene	5000 ug/mL
							Carbon tetrachloride	5000 ug/mL
							Ethylbenzene	5000 ug/mL
							Methylene Chloride	5000 ug/mL
							Tetrachloroethene	5000 ug/mL
							Toluene	5000 ug/mL
							Trichloroethene	5000 ug/mL
..MSV_MegaMix#2_00245	09/03/25	Restek, Lot A0226118			(Purchased Reagent)		1,1,2-Trichloro-1,2,2-trifluoroethane	5000 ug/mL
							Tetrahydrofuran	25000 ug/mL
.MSV_CCV_VOC#3_00249	08/18/25	08/04/25	Methanol, Lot EH471	5 mL	MSV_V_Ketones_00240	1 mL	2-Butanone	2500 ug/mL
..MSV_V_Ketones_00240	04/30/27	Restek, Lot A0210935			(Purchased Reagent)		2-Butanone	12500 ug/mL
MSV_LL_#2_826_00181	06/26/25	06/01/25	Methanol, Lot EJ274	1 mL	CCV_ETBR_00009	50 uL	Ethyl bromide	49.9488 ug/mL
					MSV_BCE_00082	25 uL	1-Bromo-2-chloroethane	50 ug/mL
					MSV_CCV_EE_00009	50 uL	Diethyl ether	50.0166 ug/mL
					MSV_V_PentaCL_00052	10 uL	Pentachloroethane	50 ug/mL
.CCV_ETBR_00009	11/06/25	05/06/25	Methanol, Lot EH471	10 mL	MSV_VETBR_STK_00018	0.344 mL	Ethyl bromide	998.976 ug/mL
..MSV_VETBR_STK_00018	11/06/25	05/06/25	Methanol, Lot EH471	10 mL	MSV_EtBr_00012	0.2904 g	Ethyl bromide	29040 ug/mL
...MSV_EtBr_00012	10/31/27	Chem Service, Lot 15732400			(Purchased Reagent)		Ethyl bromide	1 g/g
.MSV_BCE_00082	07/01/25	Restek, Lot A0201612			(Purchased Reagent)		1-Bromo-2-chloroethane	2000 ug/mL
.MSV_CCV_EE_00009	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00016	1.502 mL	Diethyl ether	1000.33 ug/mL
..MSV_EE_MISCSK_00016	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.333 g	Diethyl ether	33300 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
...MSV_EE_Neat_00013	06/30/27	Chem Service, Lot 15507600			(Purchased Reagent)		Diethyl ether	1 g/g
.MSV_V_PentaCL_00052	06/26/25	Restek, Lot A0197490			(Purchased Reagent)		Pentachloroethane	5000 ug/mL
MSV_LL_#2_826_00188	08/22/25	08/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_EE_00009	50 uL	Diethyl ether	50.0166 ug/mL
.MSV_CCV_EE_00009	11/03/25	05/03/25	Methanol, Lot EH471	50 mL	MSV_EE_MISCSK_00016	1.502 mL	Diethyl ether	1000.33 ug/mL
..MSV_EE_MISCSK_00016	11/03/25	05/03/25	Methanol, Lot EH471	10 mL	MSV_EE_Neat_00013	0.333 g	Diethyl ether	33300 ug/mL
...MSV_EE_Neat_00013	06/30/27	Chem Service, Lot 15507600			(Purchased Reagent)		Diethyl ether	1 g/g
MSV_LL_GAS826_00274	06/11/25	06/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_GASES_01016	25 uL	1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_01016	06/11/25	Restek, Lot A0212054			(Purchased Reagent)		1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_LL_GAS826_00283	08/11/25	08/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_GASES_01107	25 uL	Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.MSV_CCV_GASES_01107	08/11/25	Restek, Lot A0225685			(Purchased Reagent)		Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00263	06/09/25	06/03/25	Methanol, Lot EJ274	1 mL	MSV_QC_2K_GAS_00303	20 uL	Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00303	06/09/25	Restek, Lot A0211460			(Purchased Reagent)		Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	2000 ug/mL
MSV_QC_Gas826_00273	08/11/25	08/04/25	Methanol, Lot EJ274	1 mL	MSV_QC_2K_GAS_00307	20 uL	Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MSV_QC_2K_GAS_00307	08/11/25	Restek, Lot A0211460			(Purchased Reagent)		Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MSV_V_BFB_00019							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Xylenes, Total	
					MSV_VBFB_STK_00014	0.246 mL	BFB	49.9183 ug/mL
.MSV_VBFB_STK_00014	11/22/25	05/22/25	Methanol, Lot EH471	10 mL	MSV_4BFB_NEAT_00013	0.5073 g	BFB	50730 ug/mL
..MSV_4BFB_NEAT_00013	06/30/29	Chem Service, Lot 16054300			(Purchased Reagent)		BFB	1 g/g
MSV_V_SMRV4_00088	07/02/25	06/04/25	Methanol, Lot EJ274	1 mL	MSV_CCV_2CEVE_00230	200 uL	2-Chloroethyl vinyl ether	200 ug/mL
					MSV_CCV_LKB_00013	400 uL	cis-1,4-Dichloro-2-butene	399.883 ug/mL
					MSV_V_SMFreon_00062	100 uL	Chlorodifluoromethane	200 ug/mL
.MSV_CCV_2CEVE_00230	07/02/25	06/02/25	Methanol, Lot EH471	5 mL	MSV_V_2CLEVE_00240	1 mL	2-Chloroethyl vinyl ether	1000 ug/mL
..MSV_V_2CLEVE_00240	05/31/27	Restek, Lot A0211425			(Purchased Reagent)		2-Chloroethyl vinyl ether	5000 ug/mL
.MSV_CCV_LKB_00013	09/06/25	03/06/25	Methanol, Lot EH471	50 mL	MSV_Vc14d_STK_00013	1.274 mL	cis-1,4-Dichloro-2-butene	999.708 ug/mL
..MSV_Vc14d_STK_00013	09/06/25	03/06/25	Methanol, Lot EH471	10 mL	MSV_c14dcb_Nt_00004	0.413 g	cis-1,4-Dichloro-2-butene	39235 ug/mL
...MSV_c14dcb_Nt_00004	08/16/27	Aldrich, Lot SHBH4584V			(Purchased Reagent)		cis-1,4-Dichloro-2-butene	0.95 g/g
.MSV_V_SMFreon_00062	07/03/25	Restek, Lot A0197864			(Purchased Reagent)		Chlorodifluoromethane	2000 ug/mL
MT_HNO3_FI_00018	02/17/30	ThermoFisher Scientific, Lot 245385			(Purchased Reagent)		Nitric acid	69.7 %
MT_HNO3_FI_00021	06/12/30	ThermoFisher Scientific, Lot 251192			(Purchased Reagent)		Nitric acid	69.5 %
MT_LCS-SPK-A_00055	04/01/26	Inorganic Ventures, Lot V2-MEB751664			(Purchased Reagent)		Al	1250 mg/L
							Arsenic	125 mg/L
							B	125 mg/L
							Barium	125 mg/L
							Beryllium	12.5 mg/L
							Ca	1250 mg/L
							Cadmium	12.5 mg/L
							Chromium	125 mg/L
							Cobalt	125 mg/L
							Copper	125 mg/L
							Fe	1250 mg/L
							K	1250 mg/L
							Lead	12.5 mg/L
							Li	125 mg/L
							Mg	1250 mg/L

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Mn	125 mg/L
							Na	1250 mg/L
							Nickel	125 mg/L
							P	125 mg/L
							Se	25 mg/L
							Silver	12.5 mg/L
							Sr	12.5 mg/L
							Sulfur	1250 mg/L
							Th	125 mg/L
							Tl	25 mg/L
							U	12.5 mg/L
							Vanadium	125 mg/L
							Zinc	125 mg/L
MT_LCS-SPK-B_00055	04/01/26	Inorganic Ventures, Lot V2-MEB751665			(Purchased Reagent)		Mo	12.5 mg/L
							Sb	25 mg/L
							Si	1250 mg/L
							Sn	25 mg/L
							Ti	125 mg/L
							W	125 mg/L
							Zr	125 mg/L
MT_MJ_CCV_00230	09/05/25	08/05/25	DI Water, Lot DI06242024	5 L	MT_S_MSSPK-A_00006	5 mL	Arsenic	499.9 ppb
							Barium	500 ppb
							Beryllium	49.98 ppb
							Cadmium	49.99 ppb
							Chromium	499.9 ppb
							Cobalt	500.2 ppb
							Copper	500 ppb
							Lead	50 ppb
							Nickel	499.9 ppb
							Silver	50 ppb
							Vanadium	500 ppb
							Zinc	500.1 ppb
.MT_S_MSSPK-A_00006	07/07/26	Inorganic Ventures, Lot U2-MEB728823			(Purchased Reagent)		Arsenic	499.9 ug/mL
							Barium	500 ug/mL
							Beryllium	49.98 ug/mL
							Cadmium	49.99 ug/mL
							Chromium	499.9 ug/mL
							Cobalt	500.2 ug/mL
							Copper	500 ug/mL
							Lead	50 ug/mL
							Nickel	499.9 ug/mL
							Silver	50 ug/mL
							Vanadium	500 ug/mL
							Zinc	500.1 ug/mL
MT_MJ_CRI-V_00220	09/05/25	08/05/25	J, Lot 7996167	1 L	MT_MJ_1V_IV_00033	1.5 mL	Vanadium	2.0025 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MT_S_MWLLC_SC_00009	1 mL	Arsenic	2.02 ug/L
							Barium	1.99 ug/L
							Beryllium	0.499 ug/L
							Cadmium	0.496 ug/L
							Chromium	2 ug/L
							Cobalt	0.504 ug/L
							Copper	0.999 ug/L
							Lead	0.503 ug/L
							Nickel	1 ug/L
							Silver	0.496 ug/L
							Vanadium	2.0025 ug/L
							Zinc	10 ug/L
.MT_MJ_1V_IV_00033	09/09/25	07/09/25	J, Lot 7996167	100 mL	MT_1KV_PIV_00008	0.1 mL	Vanadium	1.001 mg/L
..MT_1KV_PIV_00008	09/14/25		HPS, Lot 2413810-100		(Purchased Reagent)		Vanadium	1001 mg/L
.MT_S_MWLLC_SC_00009	12/09/25		Inorganic Ventures, Lot V2-MEB748176		(Purchased Reagent)		Arsenic	2.02 ug/mL
							Barium	1.99 ug/mL
							Beryllium	0.499 ug/mL
							Cadmium	0.496 ug/mL
							Chromium	2 ug/mL
							Cobalt	0.504 ug/mL
							Copper	0.999 ug/mL
							Lead	0.503 ug/mL
							Nickel	1 ug/mL
							Silver	0.496 ug/mL
							Vanadium	0.501 ug/mL
							Zinc	10 ug/mL
MT_MJ_ICSA_00143	09/04/25	08/04/25	J, Lot 7345515	500 mL	MT_S_ICS2A_IV_00019	50 mL	Al	100 ug/mL
							Arsenic	0.0085 ug/mL
							Barium	0.00039 ug/mL
							Beryllium	0.00002 ug/mL
							Ca	300 ug/mL
							Cadmium	0.00048 ug/mL
							Chromium	0.0032 ug/mL
							Cobalt	0.00022 ug/mL
							Copper	0.00086 ug/mL
							Fe	250.1 ug/mL
							K	100 ug/mL
							Lead	0.00012 ug/mL
							Mg	100 ug/mL
							Mn	0.0005 ug/mL
							Mo	2.001 ug/mL
							Na	250.1 ug/mL
							Nickel	0.0012 ug/mL
							Sb	0.00014 ug/mL
							Se	0.00058 ug/mL
							Silver	0.0002 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Sn	0.00006 ug/mL
							Sr	0.0017 ug/mL
							Ti	2.001 ug/mL
							Tl	0.00001 ug/mL
							U	0.00012 ug/mL
							Vanadium	0.00046 ug/mL
							Zinc	0.00045 ug/mL
.MT_S_ICS2A_IV_00019	10/28/25	Inorganic Ventures, Lot U2-MEB731104			(Purchased Reagent)		Al	1000 ug/mL
							Arsenic	0.085 ug/mL
							Barium	0.0039 ug/mL
							Beryllium	0.0002 ug/mL
							Ca	3000 ug/mL
							Cadmium	0.0048 ug/mL
							Chromium	0.032 ug/mL
							Cobalt	0.0022 ug/mL
							Copper	0.0086 ug/mL
							Fe	2501 ug/mL
							K	1000 ug/mL
							Lead	0.0012 ug/mL
							Mg	1000 ug/mL
							Mn	0.005 ug/mL
							Mo	20.01 ug/mL
							Na	2501 ug/mL
							Nickel	0.012 ug/mL
							Sb	0.0014 ug/mL
							Se	0.0058 ug/mL
							Silver	0.002 ug/mL
							Sn	0.0006 ug/mL
							Sr	0.017 ug/mL
							Ti	20.01 ug/mL
							Tl	0.0001 ug/mL
							U	0.0012 ug/mL
							Vanadium	0.0046 ug/mL
							Zinc	0.0045 ug/mL
MT_MJ_ICSAB_00128	09/12/25	08/12/25	J, Lot 7345515	500 mL	MT_S_ICS2A_IV_00024	50 mL	Al	100 ug/mL
							Ca	300 ug/mL
							Fe	250 ug/mL
							K	100 ug/mL
							Mg	100 ug/mL
							Mo	2 ug/mL
							Na	250 ug/mL
							Sr	0.0028 ug/mL
							Ti	2 ug/mL
					MT_S_ICS2B_IV_00007	5 mL	Arsenic	0.1 ug/mL
							Cadmium	0.1 ug/mL
							Chromium	0.2001 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	0.2001 ug/mL
							Copper	0.2001 ug/mL
							Mn	0.2001 ug/mL
							Nickel	0.2001 ug/mL
							Se	0.1 ug/mL
							Silver	0.05002 ug/mL
							Vanadium	0.2001 ug/mL
							Zinc	0.1 ug/mL
.MT_S_ICS2A_IV_00024	02/05/29	Inorganic Ventures, Lot U2-MEB741286			(Purchased Reagent)		Al	1000 ug/mL
							Ca	3000 ug/mL
							Fe	2500 ug/mL
							K	1000 ug/mL
							Mg	1000 ug/mL
							Mo	20 ug/mL
							Na	2500 ug/mL
							Sr	0.028 ug/mL
							Ti	20 ug/mL
.MT_S_ICS2B_IV_00007	10/11/25	Inorganic Ventures, Lot S2-MEB711470			(Purchased Reagent)		Arsenic	10 ug/mL
							Cadmium	10 ug/mL
							Chromium	20.01 ug/mL
							Cobalt	20.01 ug/mL
							Copper	20.01 ug/mL
							Mn	20.01 ug/mL
							Nickel	20.01 ug/mL
							Se	10 ug/mL
							Silver	5.002 ug/mL
							Vanadium	20.01 ug/mL
							Zinc	10 ug/mL
MT_MJ_ICV_00141	08/18/25	07/18/25	J, Lot 7550459	1 L	MT_S_ICVSPK-A_00007	2 mL	Arsenic	500 ppb
							Barium	500 ppb
							Beryllium	50 ppb
							Cadmium	50 ppb
							Chromium	500 ppb
							Cobalt	500 ppb
							Copper	500 ppb
							Lead	50 ppb
							Nickel	500 ppb
							Silver	50 ppb
							Vanadium	500 ppb
							Zinc	500 ppb
.MT_S_ICVSPK-A_00007	10/25/25	High-Purity Standards, Lot U2-MEB728821			(Purchased Reagent)		Arsenic	250 ug/mL
							Barium	250 ug/mL
							Beryllium	25 ug/mL
							Cadmium	25 ug/mL
							Chromium	250 ug/mL
							Cobalt	250 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Copper	250 ug/mL
							Lead	25 ug/mL
							Nickel	250 ug/mL
							Silver	25 ug/mL
							Vanadium	250 ug/mL
							Zinc	250 ug/mL
MT_MJ_LRC_00129	08/15/25	07/30/25	J, Lot 7726600	0.5 L	MT_I_CCVSPK-A_00007	10 mL	Arsenic	2000 ppb
							Barium	2000 ppb
							Beryllium	2000 ppb
							Cadmium	2000 ppb
							Chromium	2000 ppb
							Cobalt	2000 ppb
							Copper	2000 ppb
							Lead	2000 ppb
							Nickel	2000 ppb
							Silver	2000 ppb
							Vanadium	2000 ppb
							Zinc	2000 ppb
.MT_I_CCVSPK-A_00007	08/15/25	Inorganic Ventures, Lot V2-MEB742653			(Purchased Reagent)		Arsenic	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Lead	100 mg/L
							Nickel	100 mg/L
							Silver	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
MT_MJ_S1_00163	09/07/25	08/07/25	J, Lot 7133644	500 mL	MT_S_MSSPK-A_00006	1 mL	Arsenic	999.8 ppb
							Barium	1000 ppb
							Beryllium	99.96 ppb
							Cadmium	99.98 ppb
							Chromium	999.8 ppb
							Cobalt	1000.4 ppb
							Copper	1000 ppb
							Lead	100 ppb
							Nickel	999.8 ppb
							Silver	100 ppb
							Vanadium	1000 ppb
							Zinc	1000.2 ppb
.MT_S_MSSPK-A_00006	07/07/26	Inorganic Ventures, Lot U2-MEB728823			(Purchased Reagent)		Arsenic	499.9 ug/mL
							Barium	500 ug/mL
							Beryllium	49.98 ug/mL
							Cadmium	49.99 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	499.9 ug/mL
							Cobalt	500.2 ug/mL
							Copper	500 ug/mL
							Lead	50 ug/mL
							Nickel	499.9 ug/mL
							Silver	50 ug/mL
							Vanadium	500 ug/mL
							Zinc	500.1 ug/mL
MT_SULF_FI_00022	09/30/28	ThermoFisher Scientific, Lot 233289			(Purchased Reagent)		Sulfuric acid	96.3 %
MT_SULF_FI_00026	09/30/26	ThermoFisher Scientific, Lot 245290			(Purchased Reagent)		Sulfuric acid	96.5 %
OP_MINIBNA_SS_00161	01/19/26	08/01/25	Methanol, Lot 63145	1000 mL	OP_BNA_SS_00090	250 mL	1-Methylnaphthalene-d10	250 ppb
							2,4,6-Tribromophenol (Surr)	25000 ppb
							2-Fluorobiphenyl (Surr)	25000 ppb
							2-Fluorophenol (Surr)	25000 ppb
							Benzo(a)pyrene-d12 (Surr)	250 ppb
							Fluoranthene-d10 (Surr)	250 ppb
							Nitrobenzene-d5 (Surr)	25000 ppb
							p-Terphenyl-d14 (Surr)	25000 ppb
							Phenol-d5 (Surr)	25000 ppb
.OP_BNA_SS_00090	01/19/26	07/18/25	Methanol, Lot 63145	3000 mL	OP_BNA_STK_00087	3000 mL	1-Methylnaphthalene-d10	1000 ppb
							2,4,6-Tribromophenol (Surr)	100000 ppb
							2-Fluorobiphenyl (Surr)	100000 ppb
							2-Fluorophenol (Surr)	100000 ppb
							Benzo(a)pyrene-d12 (Surr)	1000 ppb
							Fluoranthene-d10 (Surr)	1000 ppb
							Nitrobenzene-d5 (Surr)	100000 ppb
							p-Terphenyl-d14 (Surr)	100000 ppb
							Phenol-d5 (Surr)	100000 ppb
..OP_BNA_STK_00087	01/19/26	Agilent, Lot 0006844685			(Purchased Reagent)		1-Methylnaphthalene-d10	1 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Benzo(a)pyrene-d12 (Surr)	1 ug/mL
							Fluoranthene-d10 (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							p-Terphenyl-d14 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
OP_MINLCS1_MS_00280	08/25/25	07/31/25	ACETONE, Lot EJ873-US	100 mL	OP_LCS1_MS_00088	25 mL	1,1'-Biphenyl	12500 ppb
							1,2,4,5-Tetrachlorobenzene	12500 ppb
							1,2,4-Trichlorobenzene	12500 ppb
							1,2-Dichlorobenzene	12500 ppb
							1,2-Diphenylhydrazine	12500 ppb
							1,3-Dichlorobenzene	12500 ppb
							1,3-Dinitrobenzene	12500 ppb
							1,4-Dichlorobenzene	12500 ppb

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	12500 ppb
							1-Methylnaphthalene	12500 ppb
							2,2'-oxybis[1-chloropropane]	12500 ppb
							2,3,4,6-Tetrachlorophenol	12500 ppb
							2,4,5-Trichlorophenol	12500 ppb
							2,4,6-Trichlorophenol	12500 ppb
							2,4-Dichlorophenol	12500 ppb
							2,4-Dimethylphenol	12500 ppb
							2,4-Dinitrophenol	25000 ppb
							2,4-Dinitrotoluene	12500 ppb
							2,6-Dichlorophenol	12500 ppb
							2,6-Dinitrotoluene	12500 ppb
							2-Chloronaphthalene	12500 ppb
							2-Chlorophenol	12500 ppb
							2-Methylnaphthalene	12500 ppb
							2-Methylphenol	12500 ppb
							2-Nitroaniline	12500 ppb
							2-Nitrophenol	12500 ppb
							3-Nitroaniline	12500 ppb
							4,6-Dinitro-2-methylphenol	25000 ppb
							4-Bromophenyl phenyl ether	12500 ppb
							4-Chloro-3-methylphenol	12500 ppb
							4-Chloroaniline	12500 ppb
							4-Chlorophenyl phenyl ether	12500 ppb
							4-Methylphenol	12500 ppb
							4-Nitroaniline	12500 ppb
							4-Nitrophenol	25000 ppb
							Acenaphthene	12500 ppb
							Acenaphthylene	12500 ppb
							Acetophenone	12500 ppb
							Aniline	12500 ppb
							Anthracene	12500 ppb
							Benzo[a]anthracene	12500 ppb
							Benzo[a]pyrene	12500 ppb
							Benzo[b]fluoranthene	12500 ppb
							Benzo[g,h,i]perylene	12500 ppb
							Benzo[k]fluoranthene	12500 ppb
							Benzyl alcohol	12500 ppb
							Bis(2-chloroethoxy)methane	12500 ppb
							Bis(2-chloroethyl)ether	12500 ppb
							Bis(2-ethylhexyl) phthalate	12500 ppb
							Butyl benzyl phthalate	12500 ppb
							Carbazole	12500 ppb
							Chrysene	12500 ppb
							Di-n-butyl phthalate	12500 ppb
							Di-n-octyl phthalate	12500 ppb

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	12500 ppb
							Dibenzofuran	12500 ppb
							Diethyl phthalate	12500 ppb
							Dimethyl phthalate	12500 ppb
							Dinitrotoluene	25000 ppb
							Fluoranthene	12500 ppb
							Fluorene	12500 ppb
							Hexachlorobenzene	12500 ppb
							Hexachlorobutadiene	12500 ppb
							Hexachlorocyclopentadiene	12500 ppb
							Hexachloroethane	12500 ppb
							Hexadecane	12500 ppb
							Indeno[1,2,3-cd]pyrene	12500 ppb
							Isophorone	12500 ppb
							n-Decane	12500 ppb
							N-Nitrosodi-n-propylamine	12500 ppb
							N-Nitrosodimethylamine	12500 ppb
							N-Nitrosodiphenylamine	10625 ppb
							n-Octadecane	12500 ppb
							Naphthalene	12500 ppb
							Nitrobenzene	12500 ppb
							Pentachlorophenol	25000 ppb
							Phenanthrene	12500 ppb
							Phenol	12500 ppb
							Pyrene	12500 ppb
							Pyridine	25000 ppb
							3,3'-Dichlorobenzidine	25000 ppb
							Benzidine	25000 ppb
							Benzoic acid	12500 ppb
							Indene	12500 ppb
							1-Methylphenanthrene	12500 ppb
							2,3-Dichlorobenzenamine	12500 ppb
							Alpha Methyl Styrene	12500 ppb
							Alpha-Terpineol	12500 ppb
							Dimethylformamide	12500 ppb
							icosane	12500 ppb
							n-Docosane	12500 ppb
							n-Tetradecane	12500 ppb
							Octachlorostyrene	12500 ppb
							Phenyl ether	12500 ppb
.OP_LCS1_MS_00088	08/25/25	07/24/25	Acetone, Lot EJ873-US	400 mL	OP_RES_LCS1_00024	20 mL	1,1'-Biphenyl	50000 ppb
							1,2,4,5-Tetrachlorobenzene	50000 ppb
							1,2,4-Trichlorobenzene	50000 ppb
							1,2-Dichlorobenzene	50000 ppb
							1,2-Diphenylhydrazine	50000 ppb
							1,3-Dichlorobenzene	50000 ppb

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dinitrobenzene	50000 ppb
							1,4-Dichlorobenzene	50000 ppb
							1,4-Dioxane	50000 ppb
							1-Methylnaphthalene	50000 ppb
							2,2'-oxybis[1-chloropropane]	50000 ppb
							2,3,4,6-Tetrachlorophenol	50000 ppb
							2,4,5-Trichlorophenol	50000 ppb
							2,4,6-Trichlorophenol	50000 ppb
							2,4-Dichlorophenol	50000 ppb
							2,4-Dimethylphenol	50000 ppb
							2,4-Dinitrophenol	100000 ppb
							2,4-Dinitrotoluene	50000 ppb
							2,6-Dichlorophenol	50000 ppb
							2,6-Dinitrotoluene	50000 ppb
							2-Chloronaphthalene	50000 ppb
							2-Chlorophenol	50000 ppb
							2-Methylnaphthalene	50000 ppb
							2-Methylphenol	50000 ppb
							2-Nitroaniline	50000 ppb
							2-Nitrophenol	50000 ppb
							3-Nitroaniline	50000 ppb
							4,6-Dinitro-2-methylphenol	100000 ppb
							4-Bromophenyl phenyl ether	50000 ppb
							4-Chloro-3-methylphenol	50000 ppb
							4-Chloroaniline	50000 ppb
							4-Chlorophenyl phenyl ether	50000 ppb
							4-Methylphenol	50000 ppb
							4-Nitroaniline	50000 ppb
							4-Nitrophenol	100000 ppb
							Acenaphthene	50000 ppb
							Acenaphthylene	50000 ppb
							Acetophenone	50000 ppb
							Aniline	50000 ppb
							Anthracene	50000 ppb
							Benzo[a]anthracene	50000 ppb
							Benzo[a]pyrene	50000 ppb
							Benzo[b]fluoranthene	50000 ppb
							Benzo[g,h,i]perylene	50000 ppb
							Benzo[k]fluoranthene	50000 ppb
							Benzyl alcohol	50000 ppb
							Bis(2-chloroethoxy)methane	50000 ppb
							Bis(2-chloroethyl)ether	50000 ppb
							Bis(2-ethylhexyl) phthalate	50000 ppb
							Butyl benzyl phthalate	50000 ppb
							Carbazole	50000 ppb
							Chrysene	50000 ppb

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	50000 ppb
							Di-n-octyl phthalate	50000 ppb
							Dibenz(a,h)anthracene	50000 ppb
							Dibenzofuran	50000 ppb
							Diethyl phthalate	50000 ppb
							Dimethyl phthalate	50000 ppb
							Dinitrotoluene	100000 ppb
							Fluoranthene	50000 ppb
							Fluorene	50000 ppb
							Hexachlorobenzene	50000 ppb
							Hexachlorobutadiene	50000 ppb
							Hexachlorocyclopentadiene	50000 ppb
							Hexachloroethane	50000 ppb
							Hexadecane	50000 ppb
							Indeno[1,2,3-cd]pyrene	50000 ppb
							Isophorone	50000 ppb
							n-Decane	50000 ppb
							N-Nitrosodi-n-propylamine	50000 ppb
							N-Nitrosodimethylamine	50000 ppb
							N-Nitrosodiphenylamine	42500 ppb
							n-Octadecane	50000 ppb
							Naphthalene	50000 ppb
							Nitrobenzene	50000 ppb
							Pentachlorophenol	100000 ppb
							Phenanthrene	50000 ppb
							Phenol	50000 ppb
							Pyrene	50000 ppb
							Pyridine	100000 ppb
					OP_RES_LCS2_00014	20 mL	3,3'-Dichlorobenzidine	100000 ppb
							Benzidine	100000 ppb
					OP_RES_LCS3_00011	10 mL	Benzoic acid	50000 ppb
							Indene	50000 ppb
					OP_RES_LCSadd_00004	10 mL	1-Methylphenanthrene	50000 ppb
							2,3-Dichlorobenzenamine	50000 ppb
							Alpha Methyl Styrene	50000 ppb
							Alpha-Terpineol	50000 ppb
							Dimethylformamide	50000 ppb
							icosane	50000 ppb
							n-Docosane	50000 ppb
							n-Tetradecane	50000 ppb
							Octachlorostyrene	50000 ppb
							Phenyl ether	50000 ppb
..OP_RES_LCS1_00024	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Dinitrotoluene	2000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	850 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..OP_RES_LCS2_00014	10/31/26		Restek, Lot A0224695		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..OP_RES_LCS3_00011	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..OP_RES_LCSadd_00004	11/30/25		Agilent, Lot 0006819172		(Purchased Reagent)		1-Methylphenanthrene	2000 ug/mL
							2,3-Dichlorobenzenamine	2000 ug/mL
							Alpha Methyl Styrene	2000 ug/mL
							Alpha-Terpineol	2000 ug/mL
							Dimethylformamide	2000 ug/mL
							icosane	2000 ug/mL
							n-Docosane	2000 ug/mL
							n-Tetradecane	2000 ug/mL
							Octachlorostyrene	2000 ug/mL
							Phenyl ether	2000 ug/mL

Reagent

MS_RES_ICV1_00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995.SEC **Lot No.:** A0212976

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1.SEC	QHRWO	99%	1,006.3 µg/mL	+/- 18.5955
2	N-Nitrosodimethylamine	62-75-9.SEC	71L89	99%	1,008.3 µg/mL	+/- 18.6324
3	Pyridine	110-86-1.SEC	QN8DK	99%	2,020.0 µg/mL	+/- 37.3295
4	Phenol	108-95-2.SEC	EDPYN	99%	1,005.5 µg/mL	+/- 18.5816
5	Aniline	62-53-3.SEC	ZCD3N	99%	1,005.0 µg/mL	+/- 18.5724
6	Bis(2-chloroethyl)ether	111-44-4.SEC	FA010143	99%	1,007.3 µg/mL	+/- 18.6139
7	n-Decane (C10)	124-18-5.SEC	UCVNN	99%	1,008.5 µg/mL	+/- 18.6370
8	2-Chlorophenol	95-57-8.SEC	GJ01	99%	1,007.5 µg/mL	+/- 18.6186
9	1,3-Dichlorobenzene	541-73-1.SEC	FMDFD	99%	1,009.0 µg/mL	+/- 18.6463
10	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,004.5 µg/mL	+/- 18.5631
11	Benzyl alcohol	100-51-6.SEC	QZBUO	99%	1,006.3 µg/mL	+/- 18.5955
12	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,006.0 µg/mL	+/- 18.5908
13	2-Methylphenol (o-cresol)	95-48-7.SEC	NC7HL	99%	1,004.5 µg/mL	+/- 18.5631
14	2,2'-oxybis(1-chloropropane)	108-60-1 *	29-MAR-45-5	99%	1,007.5 µg/mL	+/- 18.6186
15	Acetophenone	98-86-2.SEC	NSGTI	99%	1,007.0 µg/mL	+/- 18.6093
16	3-Methylphenol (m-cresol)	108-39-4.SEC	6LHTM	99%	503.8 µg/mL	+/- 9.3093

17	4-Methylphenol (p-cresol)	106-44-5.SEC 65S2E	99%	504.8	µg/mL	+/- 9.3278
18	N-Nitroso-di-n-propylamine	621-64-7.SEC 13924400	99%	1,008.5	µg/mL	+/- 18.6370
19	Hexachloroethane	67-72-1.SEC 10173016	99%	1,008.5	µg/mL	+/- 18.6370
20	Nitrobenzene	98-95-3.SEC FLYIG	99%	1,003.8	µg/mL	+/- 18.5493
21	Isophorone	78-59-1.SEC XHGJI	98%	1,007.2	µg/mL	+/- 18.6129
22	2-Nitrophenol	88-75-5.SEC RP231023CTH	99%	1,006.5	µg/mL	+/- 18.6001
23	2,4-Dimethylphenol	105-67-9.SEC MKBL3650V	99%	1,005.0	µg/mL	+/- 18.5724
24	Bis(2-chloroethoxy)methane	111-91-1 * 15174900	99%	1,007.3	µg/mL	+/- 18.6139
25	2,4-Dichlorophenol	120-83-2.SEC FHM01	99%	1,008.3	µg/mL	+/- 18.6324
26	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	1,005.0	µg/mL	+/- 18.5724
27	Naphthalene	91-20-3.SEC AM5NG	99%	1,008.3	µg/mL	+/- 18.6324
28	2,6-Dichlorophenol	87-65-0.SEC SIDBB	99%	1,003.0	µg/mL	+/- 18.5354
29	4-Chloroaniline	106-47-8.SEC 10171860	99%	1,005.5	µg/mL	+/- 18.5816
30	Hexachlorobutadiene	87-68-3.SEC 13471600	97%	1,006.6	µg/mL	+/- 18.6022
31	4-Chloro-3-methylphenol	59-50-7.SEC FDO02	99%	1,005.0	µg/mL	+/- 18.5724
32	2-Methylnaphthalene	91-57-6.SEC 76023-1	99%	1,005.3	µg/mL	+/- 18.5770
33	1-Methylnaphthalene	90-12-0.SEC OEE3F	98%	1,003.3	µg/mL	+/- 18.5405
34	1,2,4,5-Tetrachlorobenzene	95-94-3.SEC AF02	99%	1,005.3	µg/mL	+/- 18.5770
35	Hexachlorocyclopentadiene	77-47-4.SEC 14794200	98%	1,008.2	µg/mL	+/- 18.6310
36	2,4,6-Trichlorophenol	88-06-2.SEC UUMYM	98%	1,004.7	µg/mL	+/- 18.5676
37	2,4,5-Trichlorophenol	95-95-4.SEC MKBQ9937V	97%	1,009.0	µg/mL	+/- 18.6471
38	2-Chloronaphthalene	91-58-7.SEC 15229800	99%	1,006.5	µg/mL	+/- 18.6001
39	Biphenyl	92-52-4.SEC 33OQE	99%	1,007.5	µg/mL	+/- 18.6186
40	2-Nitroaniline	88-74-4.SEC RP231006S	99%	1,008.3	µg/mL	+/- 18.6324
41	Acenaphthylene	208-96-8.SEC 0012014	96%	1,007.8	µg/mL	+/- 18.6234
42	1,3-Dinitrobenzene	99-65-0.SEC 3XXLB	99%	1,004.0	µg/mL	+/- 18.5539
43	Dimethylphthalate	131-11-3.SEC 483WC	99%	1,008.5	µg/mL	+/- 18.6370
44	2,6-Dinitrotoluene	606-20-2.SEC GE01	99%	1,007.3	µg/mL	+/- 18.6139
45	3-Nitroaniline	99-09-2.SEC RP230509B	99%	1,006.0	µg/mL	+/- 18.5908
46	Acenaphthene	83-32-9.SEC BWZJE	99%	1,008.8	µg/mL	+/- 18.6417
47	2,4-Dinitrophenol	51-28-5.SEC YTR6B	99%	2,018.5	µg/mL	+/- 37.3018
48	Dibenzofuran	132-64-9.SEC Q5FOB	99%	1,005.3	µg/mL	+/- 18.5770
49	4-Nitrophenol	100-02-7.SEC RP240328RSRS	99%	2,015.3	µg/mL	+/- 37.2417
50	2,4-Dinitrotoluene	121-14-2.SEC SHRSA	99%	1,009.3	µg/mL	+/- 18.6509
51	2,3,4,6-Tetrachlorophenol	58-90-2.SEC B18W03261	99%	1,008.5	µg/mL	+/- 18.6370
52	Fluorene	86-73-7.SEC 14757200	98%	1,002.8	µg/mL	+/- 18.5314

53	n-Hexadecane (C16)	544-76-3.SEC A0328141	99%	1,006.5	µg/mL	+/- 18.6001
54	Diethylphthalate	84-66-2.SEC UMBJC	99%	1,010.0	µg/mL	+/- 18.6648
55	4-Chlorophenyl phenyl ether	7005-72-3.SECP31G	98%	1,005.7	µg/mL	+/- 18.5858
56	4-Nitroaniline	100-01-6.SEC 5ITRC	99%	1,010.0	µg/mL	+/- 18.6648
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1.SEC DR15276900	99%	2,018.5	µg/mL	+/- 37.3018
58	Diphenylamine	122-39-4.SEC 10164691	99%	853.5	µg/mL	+/- 15.7726
59	Azobenzene	103-33-3.SEC JUWAG	99%	1,009.0	µg/mL	+/- 18.6463
60	4-Bromophenyl phenyl ether	101-55-3.SEC 84C6D	99%	1,009.3	µg/mL	+/- 18.6509
61	Hexachlorobenzene	118-74-1.SEC G996401	97%	1,004.0	µg/mL	+/- 18.5530
62	Pentachlorophenol	87-86-5.SEC 15277300	99%	2,007.5	µg/mL	+/- 37.0985
63	n-Octadecane (C18)	593-45-3.SEC G14U045	99%	1,004.0	µg/mL	+/- 18.5539
64	Phenanthrene	85-01-8.SEC 14992600	99%	1,004.5	µg/mL	+/- 18.5631
65	Anthracene	120-12-7.SEC WDFNJ	99%	1,008.3	µg/mL	+/- 18.6324
66	Carbazole	86-74-8.SEC LMIZB	99%	1,008.5	µg/mL	+/- 18.6370
67	Di-n-butylphthalate	84-74-2.SEC 42FSG	99%	1,005.0	µg/mL	+/- 18.5724
68	Fluoranthene	206-44-0.SEC FREGF	99%	1,007.5	µg/mL	+/- 18.6186
69	Pyrene	129-00-0.SEC ROVJC	99%	1,008.3	µg/mL	+/- 18.6324
70	Benzyl butyl phthalate	85-68-7.SEC TMXHI	99%	1,007.3	µg/mL	+/- 18.6139
71	Benz(a)anthracene	56-55-3.SEC JIU7N	99%	1,006.5	µg/mL	+/- 18.6001
72	chrysene	218-01-9.SEC RP231025RSRA	99%	1,007.5	µg/mL	+/- 18.6186
73	Bis(2-ethylhexyl)phthalate	117-81-7.SEC MT8AG	99%	1,009.0	µg/mL	+/- 18.6463
74	Di-n-octyl phthalate	117-84-0.SEC O8DLD	99%	1,006.5	µg/mL	+/- 18.6001
75	Benzo(b)fluoranthene	205-99-2.SEC I38AN	99%	1,007.0	µg/mL	+/- 18.6093
76	Benzo(k)fluoranthene	207-08-9.SEC 12876600	99%	1,005.3	µg/mL	+/- 18.5770
77	Benzo(a)pyrene	50-32-8.SEC ISLCP3775	97%	1,004.2	µg/mL	+/- 18.5574
78	Indeno(1,2,3-cd)pyrene	193-39-5.SEC 022013	99%	1,004.8	µg/mL	+/- 18.5677
79	Dibenz(a,h)anthracene	53-70-3.SEC 0012022	99%	1,005.3	µg/mL	+/- 18.5770
80	Benzo(g,h,i)perylene	191-24-2.SEC RP240610S	96%	1,004.6	µg/mL	+/- 18.5657

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL. N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine. N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

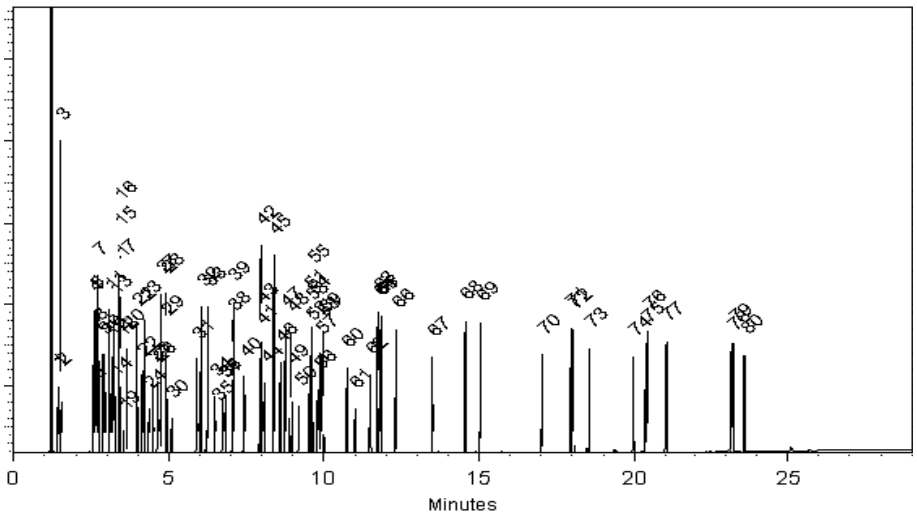
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 02-Jul-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

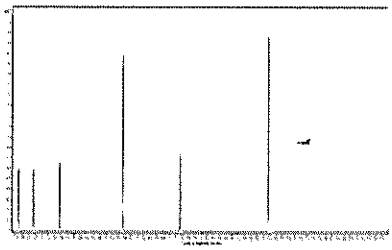
Reagent

MSS_8270_SURR_00007

Certificate of Analysis - Certified Reference Material

EPA 8270 Surrogate Standard

Product no.: CRM47960
Lot no.: LRAD7196
Expiry Date: December 2026
Manufacturing Date: November 2023
Storage: REFRIGERATE (2 °C to 8 °C)
Solvent/Matrix: DICHLOROMETHANE
Certificate version: LRAD7196.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Raw Material Lot*
2-FLUOROPHENOL CAS# 367-12-4	4000 ± 92	µg/mL	99.9	STBJ2508
PHENOL-D6 CAS# 13127-88-3	4000 ± 95	µg/mL	99.6	MBBD4866
NITROBENZENE-D5 CAS# 4165-60-0	4000 ± 125	µg/mL	99.9	LB83753
2-FLUOROBIPHENYL CAS# 321-60-8	4000 ± 102	µg/mL	99.9	MKCS4107
2,4,6-TRIBROMOPHENOL CAS# 118-79-6	4000 ± 181	µg/mL	99.7	LB81262
P-TERPHENYL-D14 CAS# 1718-51-0	4000 ± 110	µg/mL	99.9	MBBD6075

ASSAY Method

METHOD: GC (IN-HOUSE)
Column: SLB-5ms, 30 m × 0.25 mm I.D., 0.25 µm film thickness
Carrier Gas: He Flow Rate: 1.0 mL/min
Inlet Temperature: 270 °C Injection Volume: 0.5 µL
Injection Mode: Split Ratio: 100:1
Temperature Program: 100 °C (Hold 1 min) @ 20 °C/min to 280 °C (Hold 4 min)
Detector: MSD Full Scan (40 – 400 m/z); Solvent Delay: 2.0 min Temperature: 280 °C; Quadrupole: 150 °C; Ion Source: 230 °C

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Reagent

MSS_AB_24DNP_00009

CERTIFIED WEIGHT REPORT

Part Number: 70159
Lot Number: 011224
Description: 2,4-Dinitrophenol

Expiration Date: 011229
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

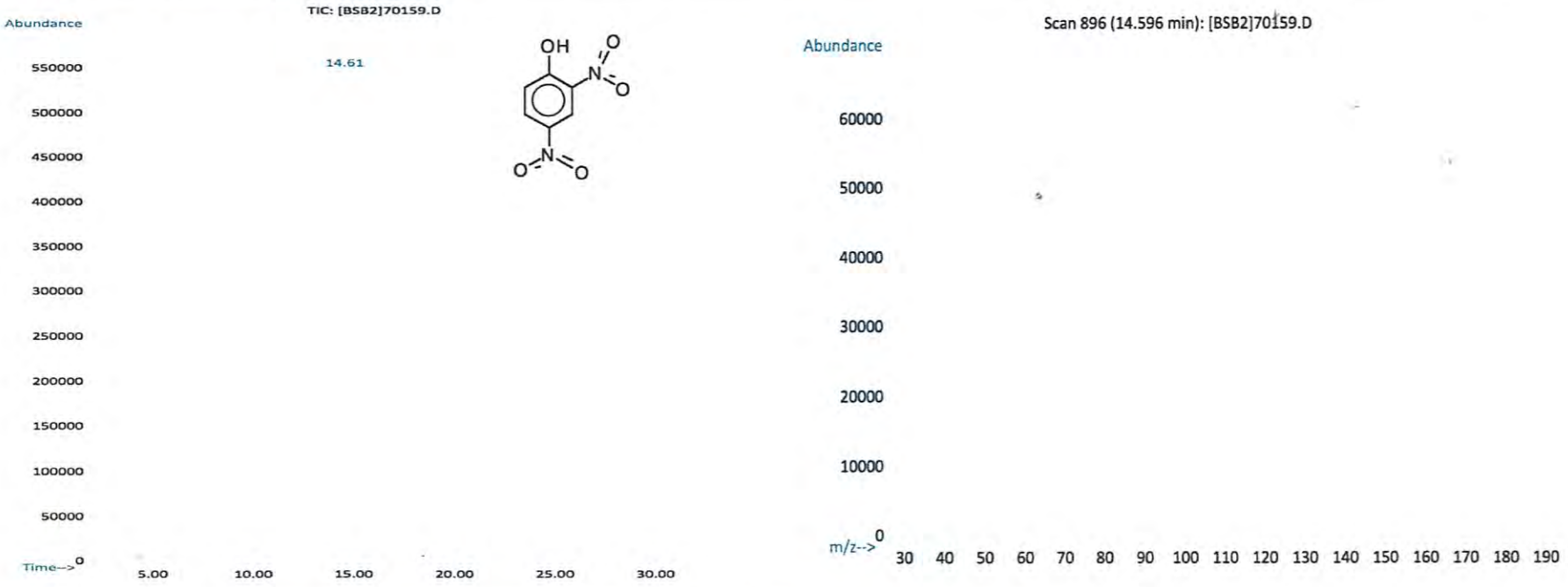
Solvent(s): **Lot#**
Methanol EH471-US

Eli Aliaga		011224
Formulated By:	Eli Aliaga	DATE
Pedro Rentas		011224
Reviewed By:	Pedro L. Rentas	DATE

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021 Flask Uncertainty
		5E-05 Balance Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,4-Dinitrophenol	159	011719	1000	98	0.2	0.10207	0.10213	1000.6	4.2	51-28-5	N/A	orl-rat 30mg/kg

Method GC8MSD-3.M: Column: (30m X 0.25mm ID X 0.25µm film thickness), Temp 1 = 50°C (1min.), Temp 2 = 300°C (4 min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 300°C. Analysis performed by Melissa Stonier.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_46D2MP_00006

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AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 70158
Lot Number: 082824
Description: 4,6-Dinitro-2-methylphenol

Solvent(s): **Lot#**
Methanol EH869-US

Expiration Date: 082829
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

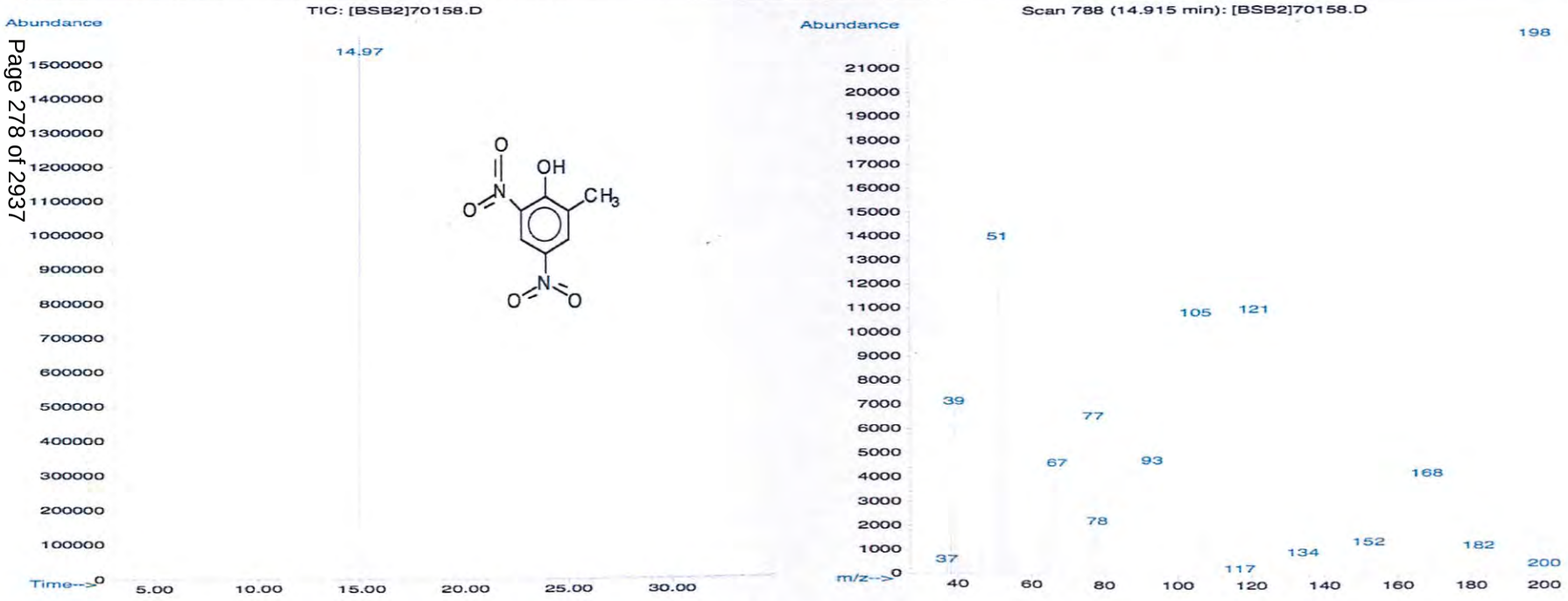
Weight(s) shown below were combined and diluted to (mL): 50.0

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	082824 DATE
Reviewed By:	Pedro L. Rentas	082824 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4,6-Dinitro-2-methylphenol	158	BCCJ7293	1000	99.8	0.2	0.05013	0.05023	1002.0	4.5	534-52-1	N/A	N/A

Method GC18MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier



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- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_4NP_00006

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CERTIFIED WEIGHT REPORT

Part Number: 70231
Lot Number: 021323
Description: 4-Nitrophenol

Expiration Date: 021328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

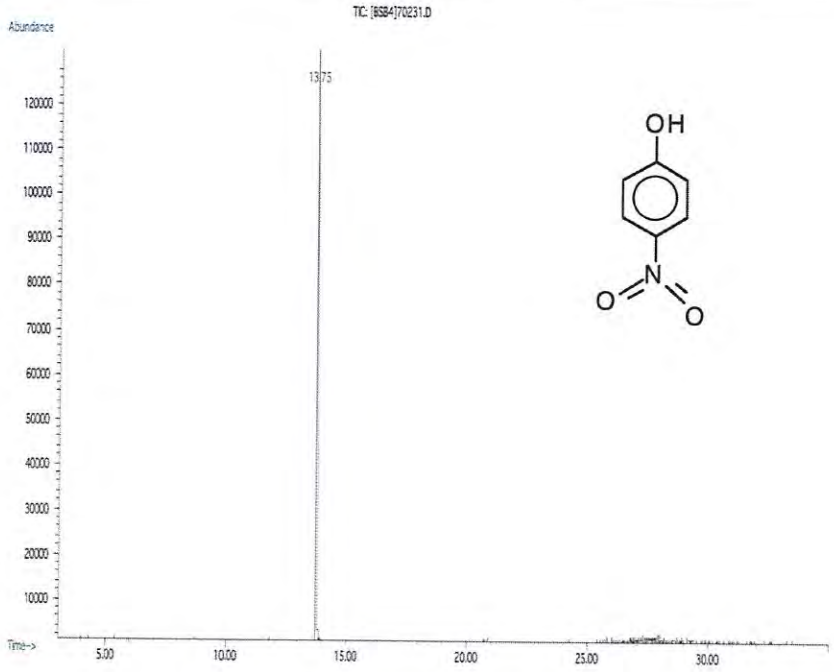
Solvent(s): **Lot#**
Methanol EF282-US

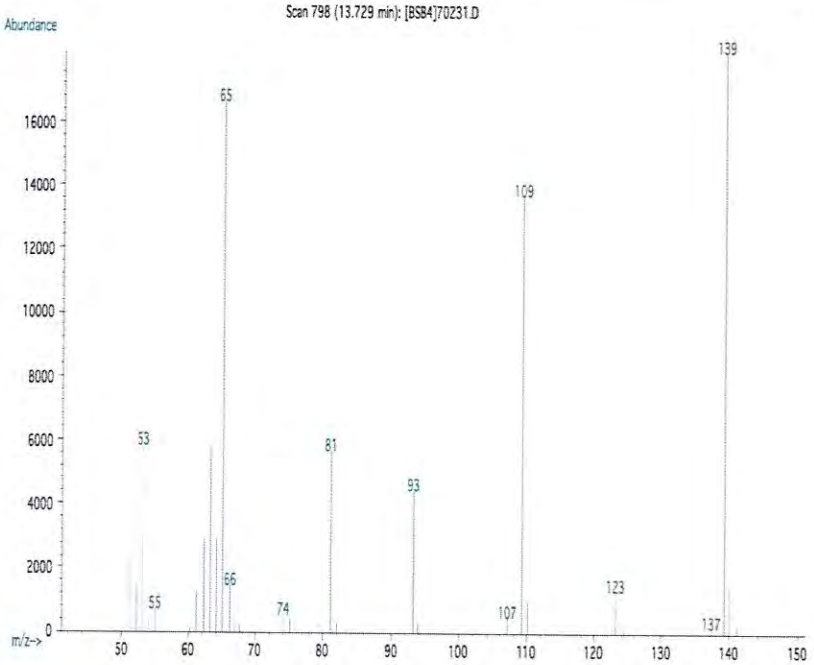
Formulated By:	Benson Chan	021323 DATE
Reviewed By:	Pedro L. Rentas	021323 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 | 0.012 Flask Uncertainty | 5E-05 Balance Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 4-Nitrophenol	231	FGM01	1000	99	0.2	0.10101	0.10123	1002.1	4.2	100-02-7	N/A	orl-rat 250mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_BZIDIN_00011

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CERTIFIED WEIGHT REPORT

Part Number: 43124
Lot Number: 102722
Description: Benzidine

Solvent: Methylene chloride **Lot#** C21F09CAS0000DCM

Expiration Date: 102725
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

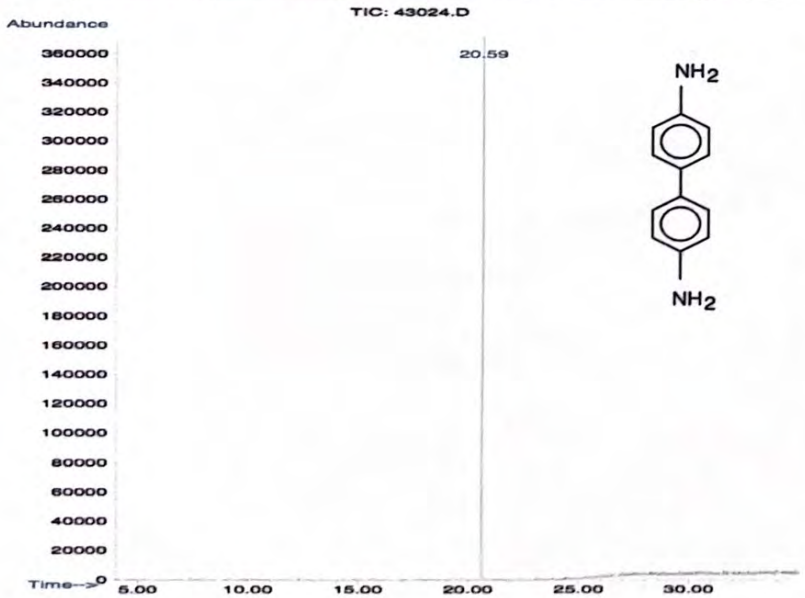
Weight(s) shown below were combined and diluted to (mL): 30.0

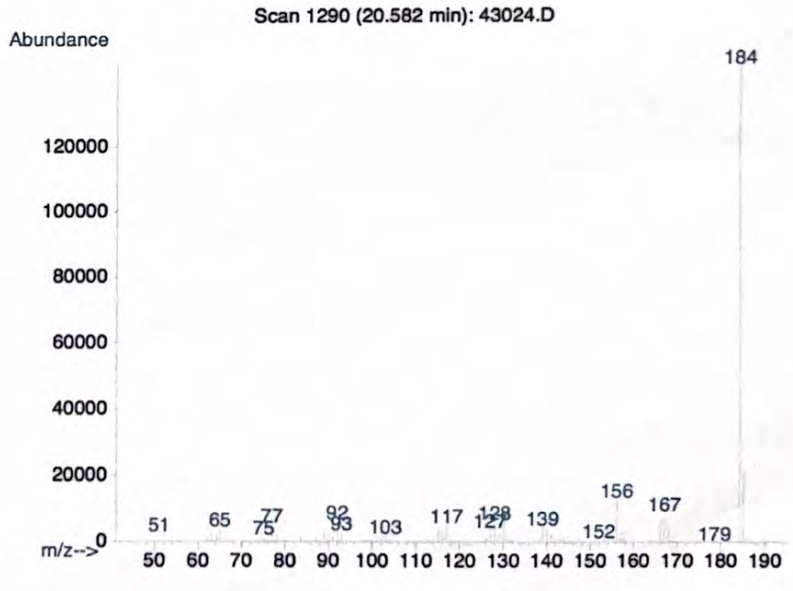
5E-05 Balance Uncertainty
0.0003 Flask Uncertainty

Formulated By:	Prashant Chauhan	102722 DATE
Reviewed By:	Pedro L. Rentas	102722 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	5000	98	0.2	0.15314	0.15324	5003.1	20.7	92-87-5	N/A	orl-rat 309mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_BZIDIN_00012

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CERTIFIED WEIGHT REPORT

Part Number: 43124
Lot Number: 100724
Description: Benzidine

Expiration Date: 100727
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

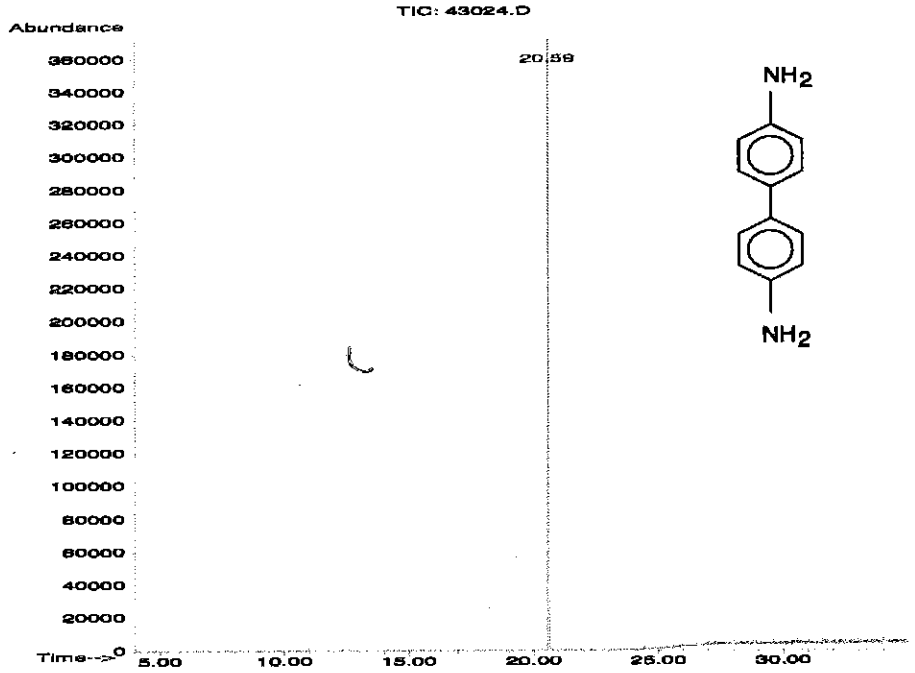
Solvent: Methylene chloride **Lot#** 23030243

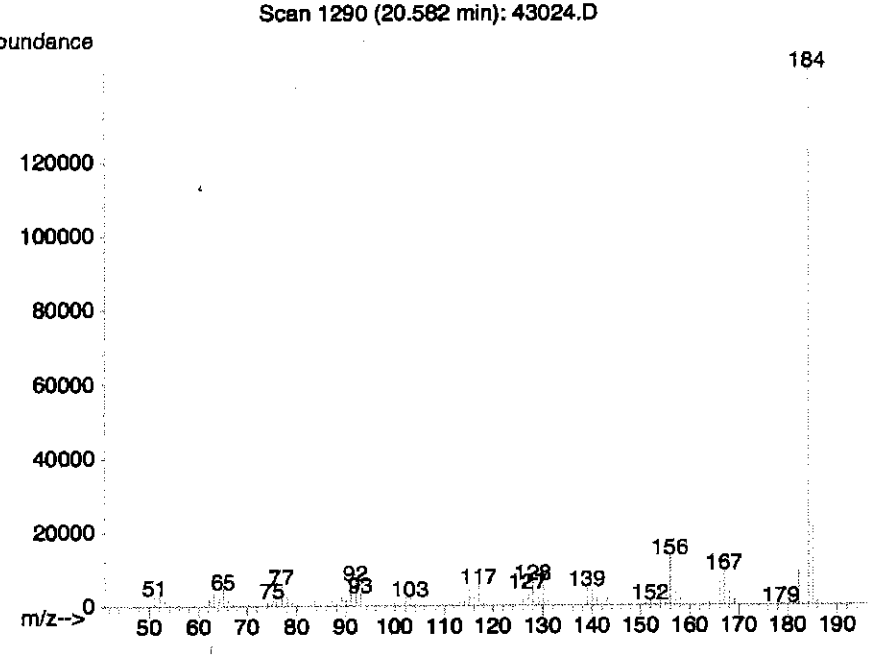
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 30.0 0.002 Flask Uncertainty

Formulated By:	Anthony Mahoney	100724 DATE
Reviewed By:	Pedro L. Rentas	100724 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	5000	98	0.2	0.15317	0.15346	5009.6	20.7	92-87-5	N/A	orl-rat 309mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Nicole Davis.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

MSS_AB_DFTPP_00016

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CERTIFIED WEIGHT REPORT

Part Number: 43030
Lot Number: 072022
Description: CLP Semi-Volatile Tuning Standard
4 components
Expiration Date: 072025
~~Recommended Storage:~~ ~~Refrigerate (4 °C)~~
Nominal Concentration (µg/mL): 500
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 105345

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 200.0

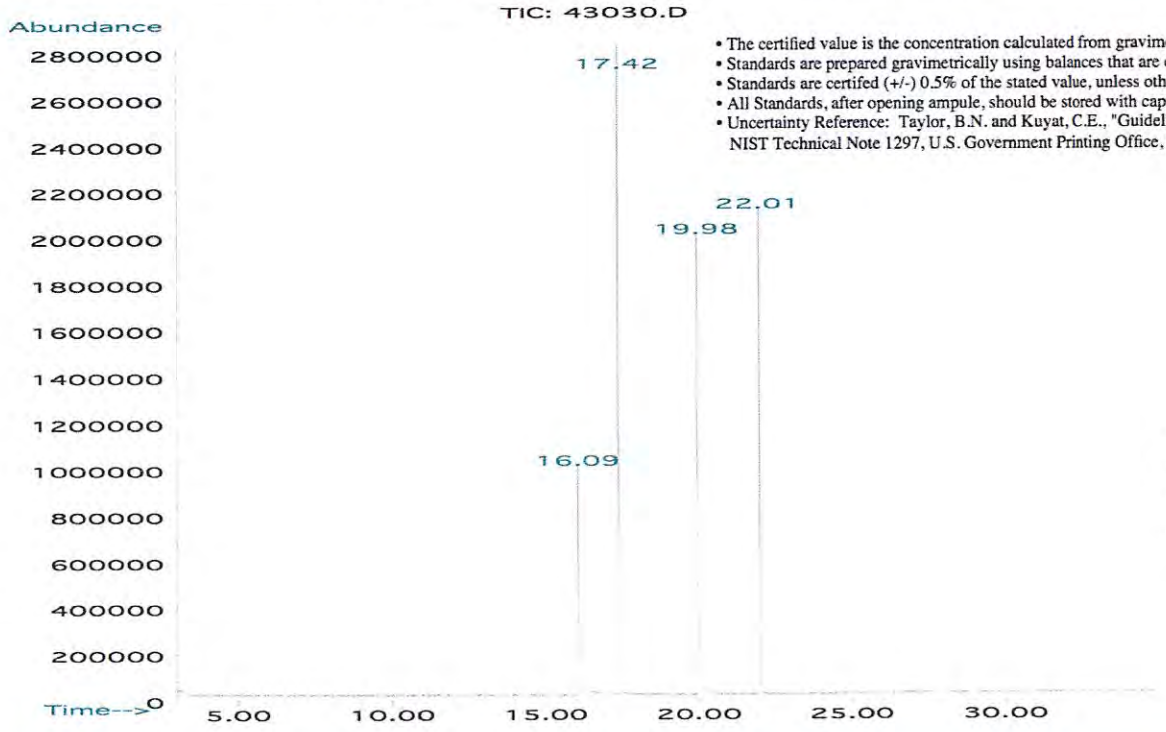
CAUTION: Sonicate Before Use

Gabriel Helland 072022
Formulated By: Gabriel Helland DATE

Pedro Rentas 072022
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	500	98	0.2	0.10205	0.10215	500.5	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10102	0.10106	500.2	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10327	500.8	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10205	0.10222	500.8	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Retention Time (min.)

Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Reagent

MSS_AB_DFTPP_00018

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CERTIFIED WEIGHT REPORT

Part Number: 43030
Lot Number: 102124
Description: CLP Semi-Volatile Tuning Standard
4 components
Expiration Date: 102127
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 500
NIST Test ID#: 6UTB

Solvent(s): Methylene chloride **Lot#** 23343

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 200.0 0.010 Flask Uncertainty

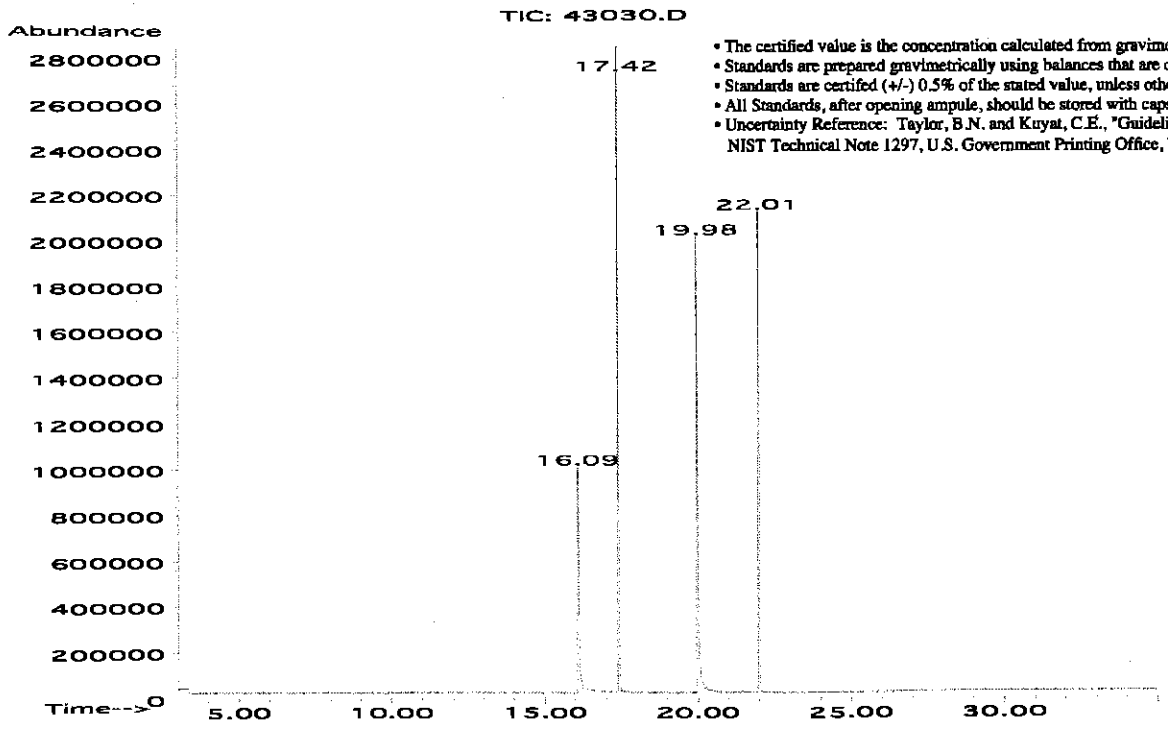
Formulated By: Lawrence Barry	102124 DATE
Reviewed By: Pedro L. Rentas	102124 DATE

CAUTION: Sonicate Before Use

RM#/LOT# CHECK

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	SDS Information (Solvent Safety Info. On Attached pg.) OSHA PEL (TWA)	LD50
1. Benzidine	27	SLBH5327V	500	98	0.2	0.10206	0.10216	500.5	2.1	92-87-5	N/A	orl-rat 309mg/kg
2. 4,4'-DDT	101	04029MM	500	99	0.2	0.10103	0.10114	500.5	2.1	50-29-3	N/A	orl-rat 87mg/kg
3. Decafluorotriphenylphosphine	105	10220909	500	97	0.2	0.10311	0.10323	500.6	2.1	5074-71-5	N/A	N/A
4. Pentachlorophenol	243	06324ED	500	98	0.2	0.10206	0.10218	500.6	2.1	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.



- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Retention Time (min.)	
Pentachlorophenol	16.09
Decafluorotriphenylphosphine	17.42
Benzidine	19.98
4,4'-DDT	22.01

Reagent

MSS_AB_PCP_00004

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CERTIFIED WEIGHT REPORT

Part Number: 79261
Lot Number: 062222
Description: Pentachlorophenol

Expiration Date: 062227
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Acetone 81025

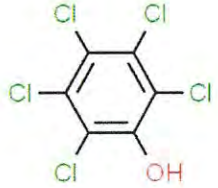
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

	062222
Formulated By: Benson Chan	DATE
	062222
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Pentachlorophenol	243	06324ED	1000	98	0.2	0.05106	0.05112	1001.1	4.5	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method: EPA8150
Column: Discovery C_{18} (150mm X 4.6mm ID X 5µm df)
Flowrate: 1.0ml/min.
Column Temperature: 43°C
Injection Volume: 1µl
Mobile Phase:
Solvent A=0.001% Acetic Acid in 5mM KH_2PO_4 (aq)
Solvent B=0.001% Acetic Acid in Methanol:Acetonitrile (1:1)
Mobile Phase Profile:
Time=00 85%A:15%B
Time=16 50%A:50%B
Time=20 45%A:55%B
Time=25 35%A;65%B
Time=27 35%A:65%B
Time=32 85%A:15%B
Detector: UV-VIS (Sample=210,04 Reference=450,80)
Analyst: Pedro Rentas



Peak No.	Analyte	PDA RT (min.)
1	Pentachlorophenol	27.72

Reagent

MSS_FV8270_IS_00006

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0200416

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,005.6 µg/mL	+/- 45.2921
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,005.4 µg/mL	+/- 45.2846
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,005.3 µg/mL	+/- 45.2771
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	1,005.1 µg/mL	+/- 45.2696
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,005.2 µg/mL	+/- 45.2733
6	Perylene-d12	1520-96-3	PR-33205	99%	1,005.3 µg/mL	+/- 45.2771

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

MSS_FV8270_IS_00007

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0221275

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,003.0 µg/mL	+/- 45.1922
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,005.0 µg/mL	+/- 45.2823
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,003.0 µg/mL	+/- 45.1922
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	1,000.0 µg/mL	+/- 45.0570
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,000.0 µg/mL	+/- 45.0570
6	Perylene-d12	1520-96-3	PR-33205	99%	1,006.0 µg/mL	+/- 45.3273

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

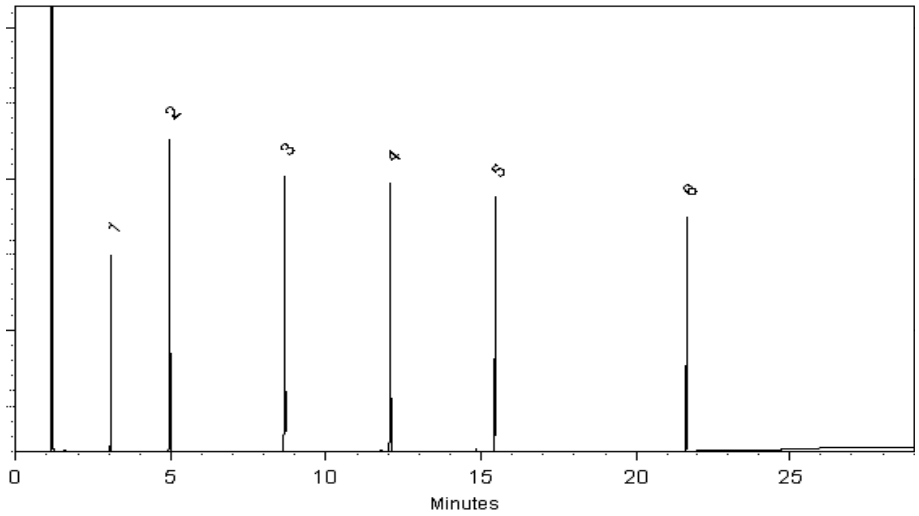
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Michael Maye - Operations Tech I

Date Mixed: 20-Jan-2025 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 24-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSS_FV8270_IS_00009

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 576940 **Lot No.:** A0223654

Description : Custom Internal Standard

Custom Internal Standard 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	1,007.7 µg/mL	+/- 45.3889
2	Naphthalene-d8	1146-65-2	M-2180	99%	1,006.3 µg/mL	+/- 45.3229
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	1,006.9 µg/mL	+/- 45.3499
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	1,007.9 µg/mL	+/- 45.3949
5	Pyrene-d10	1718-52-1	PR-30304	99%	1,006.3 µg/mL	+/- 45.3259
6	Perylene-d12	1520-96-3	PR-33205	99%	1,007.6 µg/mL	+/- 45.3829

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

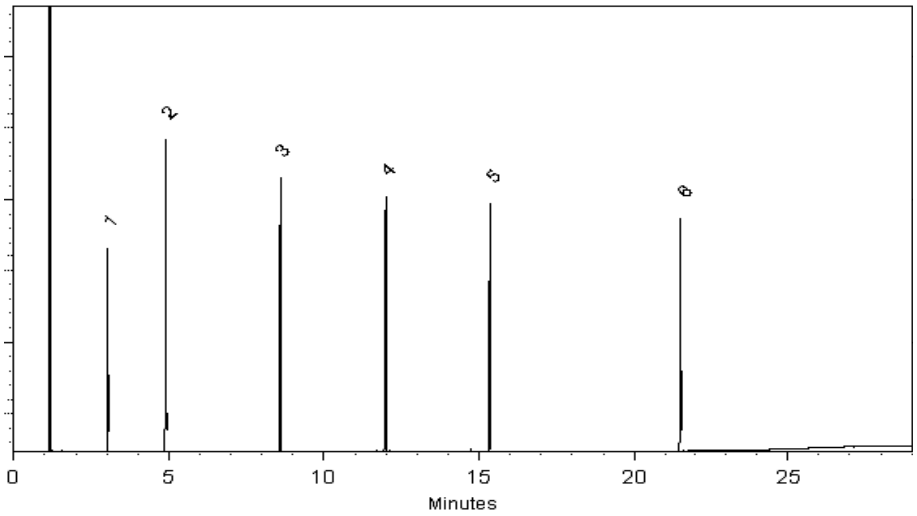
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 20-Mar-2025 **Balance Serial #** C322230531

Brittany Federinko - Operations Tech I

Date Passed: 25-Mar-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01451

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0217887

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

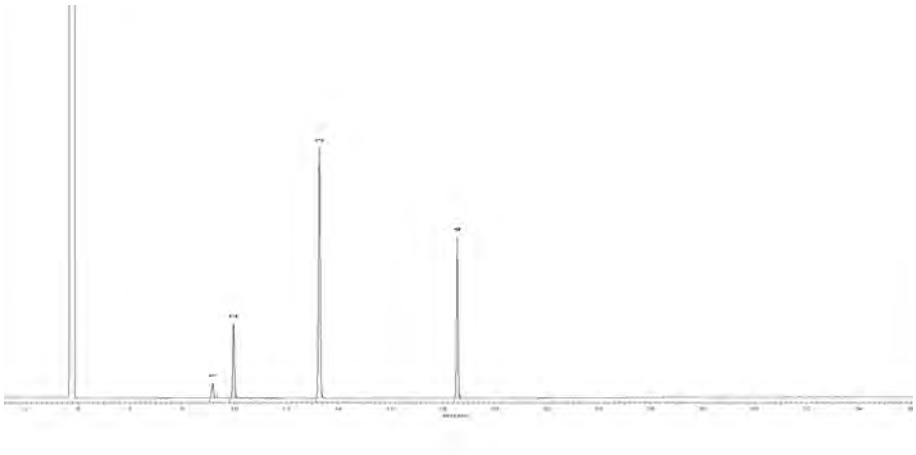
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024 **Balance Serial #** B251644995

John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_8260_SS_01473

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30240 **Lot No.:** A0217887

Description : 8260A Surrogate Mix

8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,515.3 µg/mL	+/- 141.2958
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,504.3 µg/mL	+/- 140.6779
3	Toluene-d8	2037-26-5	PR-34141	99%	2,513.8 µg/mL	+/- 141.2116
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	2,517.3 µg/mL	+/- 141.4082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

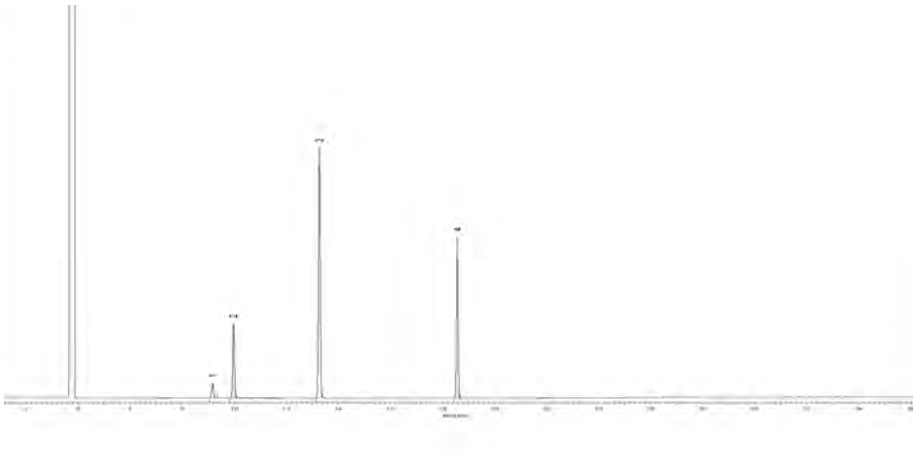
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024 **Balance Serial #** B251644995

John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_AcetatesV_00089

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577489 **Lot No.:** A0211993

Description : Custom Acetates Standard

Custom Acetates Standard 10,000-50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** -20°C or colder

Ship: On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBR1054	99%	50,320.0 µg/mL	+/- 898.1594
2	Vinyl acetate	108-05-4	RD240423RSR	99%	10,060.0 µg/mL	+/- 179.6046
3	Ethyl acetate	141-78-6	SHBQ9682	99%	10,070.0 µg/mL	+/- 179.7831
4	Isopropyl acetate	108-21-4	BCCG7069	99%	10,076.7 µg/mL	+/- 179.9021
5	Propyl acetate	109-60-4	P8XLN	99%	10,070.0 µg/mL	+/- 179.7831
6	Butyl acetate	123-86-4	SHBR2024	99%	10,060.0 µg/mL	+/- 179.6046

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution

immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

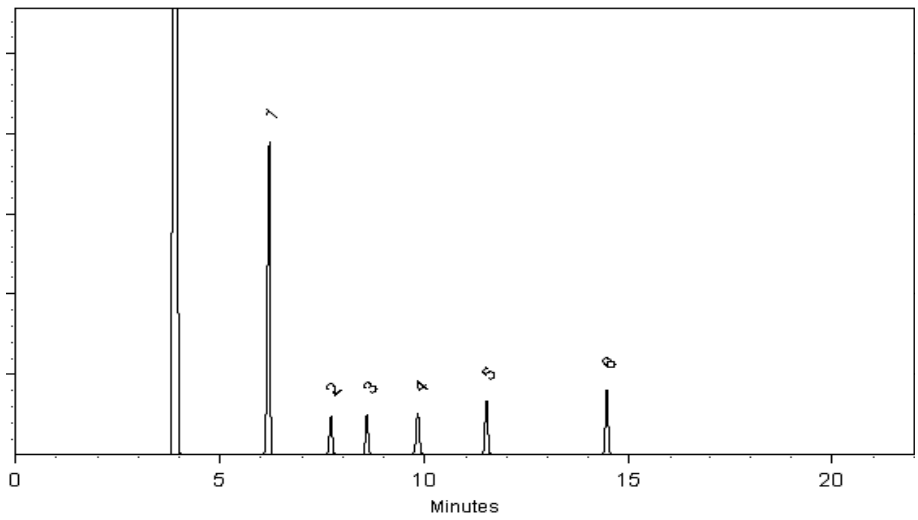
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 24-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_BCE_00082

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30469 **Lot No.:** A0201612

Description : 1-Bromo-2-chloroethane Standard

1-Bromo-2-Chloroethane Std, 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-2-chloroethane	107-04-0	BCCC1146	99%	2,004.0 µg/mL	+/- 112.6024

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

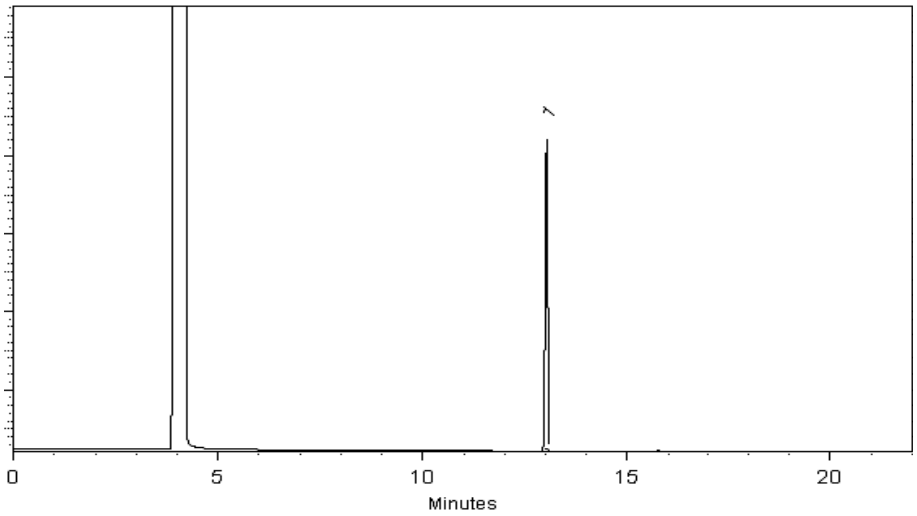
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023 **Balance Serial #** 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_c14dcb_Nt_00004

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3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
cis-1,4-Dichloro-2-butene - 95%



Product Number:	**195707**
Batch Number:	**SHBH4584V**
Brand:	ALDRICH
CAS Number:	1476-11-5
MDL Number:	MFCD00062950
Formula:	C4H6Cl2
Formula Weight:	125.00 g/mol
Storage Temperature:	Store at 2 - 8 °C
Quality Release Date:	30 AUG 2016

Test	Specification	Result
Appearance (Color)	Colorless to Light Yellow	Very Faint Yellow
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 94.5 %	98.0 %

Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

MSV_CCV_GASES_01016

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488 **Lot No.:** A0212054

Description : Custom Gases Standard

Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,016.7 µg/mL	+/- 114.0219
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,015.3 µg/mL	+/- 115.0747
3	Vinyl chloride	75-01-4	00015559	99%	2,015.3 µg/mL	+/- 115.4962
4	1,3-Butadiene	106-99-0	00019375	99%	2,020.7 µg/mL	+/- 114.1301
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,025.3 µg/mL	+/- 114.3368
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,023.4 µg/mL	+/- 114.7120
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,019.6 µg/mL	+/- 113.4524
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,020.0 µg/mL	+/- 113.4748
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4	877500	99%	2,021.2 µg/mL	+/- 114.0989

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

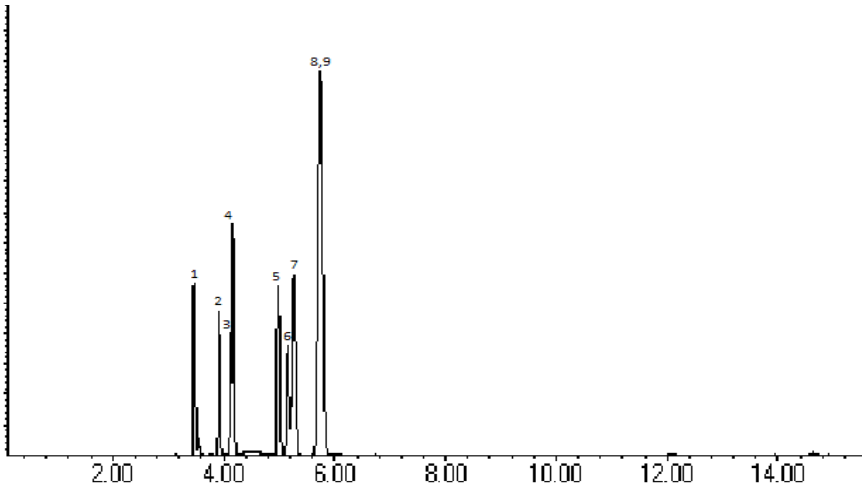
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024 **Balance Serial #** B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00741

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0203141

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,504.0 µg/mL	+/- 155.5359
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,503.5 µg/mL	+/- 31.1565
3	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.0 µg/mL	+/- 31.1378
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,504.5 µg/mL	+/- 31.1689

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

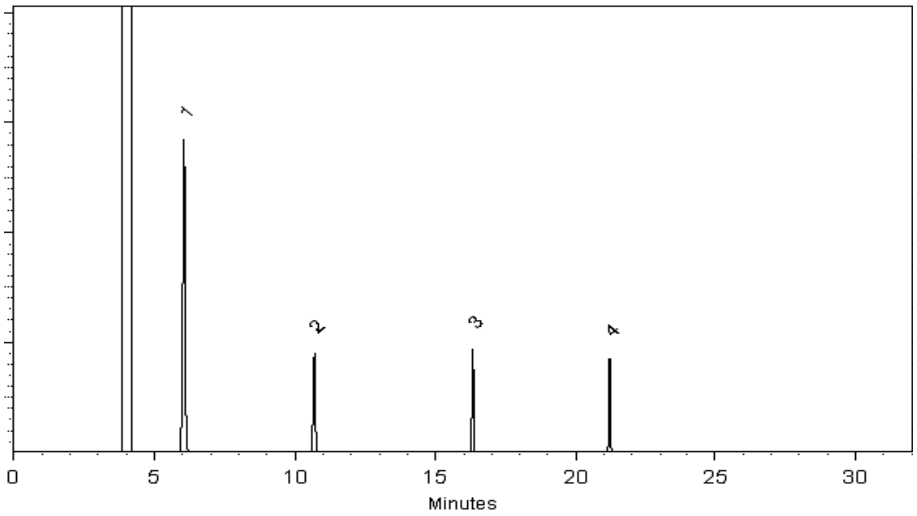
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_Cus826_IS_00815

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 558267 **Lot No.:** A0211699

Description : Custom 8260A IS Mix

Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Methyl-2-propanol-d10	53001-22-2	PR-29961	99%	12,595.0 µg/mL	+/- 156.6678
2	Fluorobenzene	462-06-6	BCBZ5549	99%	2,507.0 µg/mL	+/- 31.2001
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	2,520.0 µg/mL	+/- 31.3618
4	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,502.0 µg/mL	+/- 31.1378

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

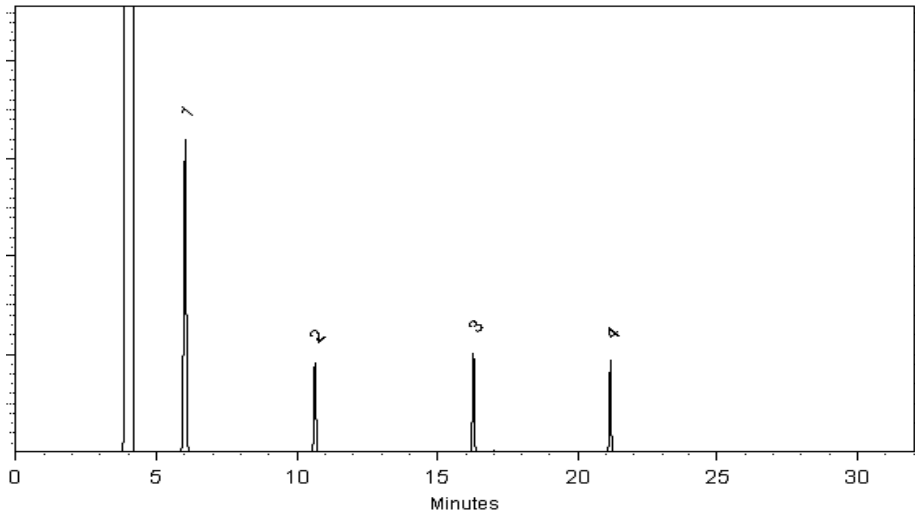
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 20-May-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_DME_00064

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 564156 **Lot No.:** A0220508

Description : Custom Dimethyl Ether Standard

Custom Dimethyl Ether Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl ether (dimethyl ether)	115-10-6	00023399	99%	1,004.7 µg/mL	+/- 16.3917

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

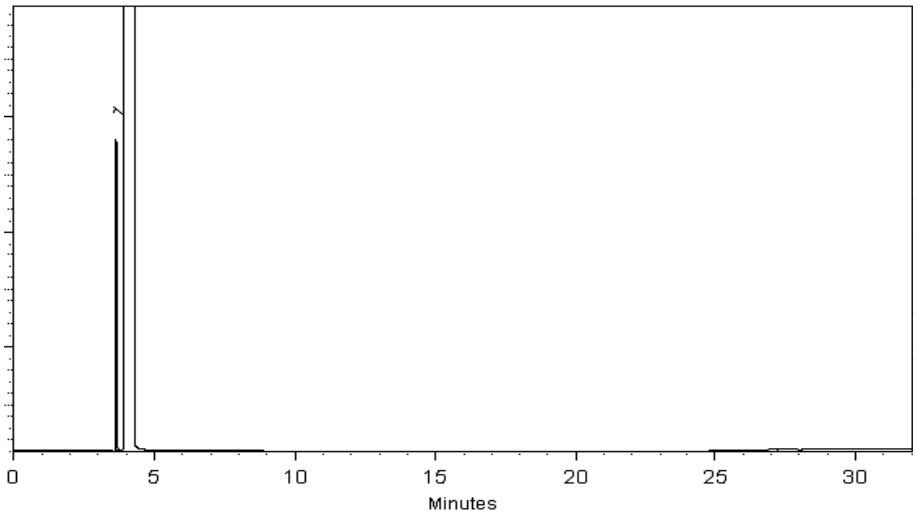
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 27-Dec-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_DME_00072

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 564156 **Lot No.:** A0220508

Description : Custom Dimethyl Ether Standard

Custom Dimethyl Ether Standard 1,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl ether (dimethyl ether)	115-10-6	00023399	99%	1,004.7 µg/mL	+/- 16.3917

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

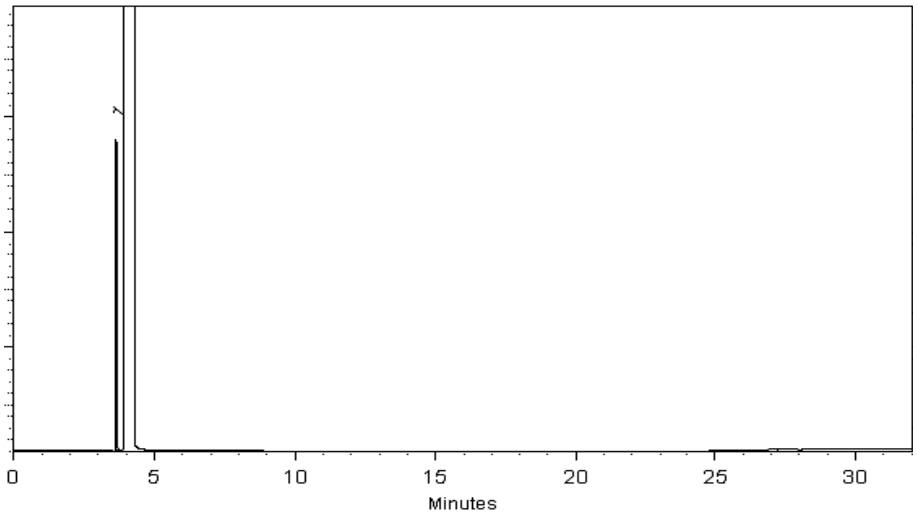
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 27-Dec-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMIX#1_00234

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577486 **Lot No.:** A0211483

Description : Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,1-dichloroethene	75-35-4	SHBG8609V	99%	5,038.8 µg/mL	+/- 283.8004
2	Methylene chloride (dichloromethane)	75-09-2	231383	99%	5,013.9 µg/mL	+/- 282.3994
3	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	5,020.8 µg/mL	+/- 282.7901
4	1,1-Dichloroethane	75-34-3	852900	99%	5,007.1 µg/mL	+/- 282.0157
5	2,2-Dichloropropane	594-20-7	RP231114CTH	99%	5,045.8 µg/mL	+/- 284.2162
6	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	5,049.3 µg/mL	+/- 284.4180
7	chloroform	67-66-3	SHBN8469	99%	5,032.5 µg/mL	+/- 283.4484
8	Bromochloromethane	74-97-5	S231117RSR	99%	5,043.2 µg/mL	+/- 284.0707
9	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	5,043.7 µg/mL	+/- 284.0785
10	1,1-Dichloropropene	563-58-6	S240215ECS	99%	5,045.2 µg/mL	+/- 284.1833
11	carbon tetrachloride	56-23-5	SHBP4875	99%	5,042.8 µg/mL	+/- 284.0292
12	1,2-Dichloroethane	107-06-2	SHBQ5408	99%	5,007.8 µg/mL	+/- 282.0579
13	Benzene	71-43-2	MKCS3357	99%	5,011.2 µg/mL	+/- 282.2682
14	Trichloroethene	79-01-6	SHBQ6161	99%	5,019.9 µg/mL	+/- 282.7408
15	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	5,041.1 µg/mL	+/- 283.9307
16	bromodichloromethane	75-27-4	MKCF8470	99%	5,014.1 µg/mL	+/- 282.4134

17	Dibromomethane	74-95-3	107151T06C	99%	5,019.6	µg/mL	+/- 282.7423
18	cis-1,3-Dichloropropene	10061-01-5	RP231025CTH	99%	5,036.1	µg/mL	+/- 283.6490
19	Toluene	108-88-3	MKCS9989	99%	5,027.9	µg/mL	+/- 283.2117
20	trans-1,3-Dichloropropene	10061-02-6	RP231025CTH-1	98%	5,002.6	µg/mL	+/- 281.7640
21	1,1,2-Trichloroethane	79-00-5	FGB01	99%	5,010.4	µg/mL	+/- 282.2022
22	1,3-Dichloropropane	142-28-9	BCCH5357	99%	5,043.1	µg/mL	+/- 284.0660
23	Tetrachloroethene	127-18-4	SHBQ0051	99%	5,014.8	µg/mL	+/- 282.4522
24	dibromochloromethane	124-48-1	MKCT4871	99%	5,042.3	µg/mL	+/- 283.9976
25	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	5,041.7	µg/mL	+/- 283.9862
26	Chlorobenzene	108-90-7	SHBN6640	99%	5,013.3	µg/mL	+/- 282.3642
27	1,1,1,2-Tetrachloroethane	630-20-6	TMWGK	99%	5,025.2	µg/mL	+/- 283.0568
28	Ethylbenzene	100-41-4	094632T20F	99%	5,042.0	µg/mL	+/- 284.0050
29	m-Xylene	108-38-3	SHBN6673	99%	5,042.2	µg/mL	+/- 284.0143
30	p-Xylene	106-42-3	SHBP5191	99%	5,038.1	µg/mL	+/- 283.7843
31	o-Xylene	95-47-6	50069309	99%	5,047.2	µg/mL	+/- 284.2960
32	Styrene	100-42-5	MKCQ3390	99%	5,038.9	µg/mL	+/- 283.8313
33	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	5,022.8	µg/mL	+/- 282.9253
34	bromoform	75-25-2	050494L04R	99%	5,036.9	µg/mL	+/- 283.6948
35	1,1,2,2-Tetrachloroethane	79-34-5	QQJ4I	99%	5,032.5	µg/mL	+/- 283.4484
36	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	5,042.7	µg/mL	+/- 284.0428
37	n-Propylbenzene	103-65-1	095067T18C	99%	5,028.8	µg/mL	+/- 283.2586
38	Bromobenzene	108-86-1	MKCQ7174	99%	5,026.8	µg/mL	+/- 283.1460
39	1,3,5-Trimethylbenzene	108-67-8	BCCH6852	99%	5,023.1	µg/mL	+/- 282.9394
40	2-Chlorotoluene	95-49-8	235783M23T	99%	5,028.7	µg/mL	+/- 283.2539
41	4-Chlorotoluene	106-43-4	BCCG9286	99%	5,043.9	µg/mL	+/- 284.1129
42	tert-Butylbenzene	98-06-6	STBJ1937	99%	5,047.3	µg/mL	+/- 284.3054
43	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	5,046.3	µg/mL	+/- 284.2490
44	sec-Butylbenzene	135-98-8	MKCP2266	99%	5,044.3	µg/mL	+/- 284.1364
45	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCS1827	99%	5,035.8	µg/mL	+/- 283.6576
46	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	5,034.6	µg/mL	+/- 283.5646
47	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	5,015.5	µg/mL	+/- 282.4909
48	n-Butylbenzene	104-51-8	09418JJ	99%	5,034.7	µg/mL	+/- 283.5919
49	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	5,012.9	µg/mL	+/- 282.3466
50	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	5,029.4	µg/mL	+/- 283.2935
51	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	5,042.1	µg/mL	+/- 284.0096
52	Hexachlorobutadiene	87-68-3	X05J	99%	5,023.4	µg/mL	+/- 282.9582

53	Naphthalene	91-20-3	STBL1057	99%	5,008.3	µg/mL	+/- 282.1039
54	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	5,037.8	µg/mL	+/- 283.7656

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

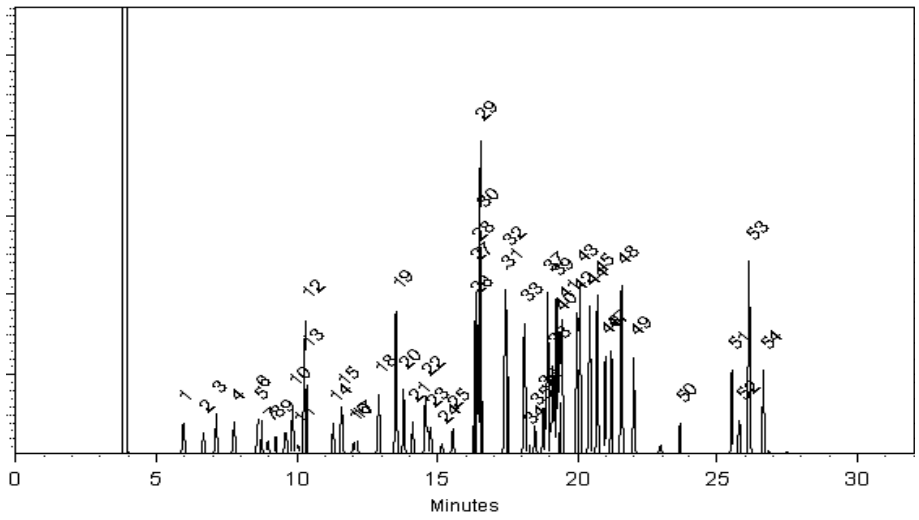
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 17-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_MegaMix#2_00232

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577487 **Lot No.:** A0212010

Description : Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	n-Pentane (C5)	109-66-0	STBK5006	99%	5,041.0 µg/mL	+/- 84.9562
2	2-Propanol (isopropanol)	67-63-0	SHBR1699	99%	25,199.0 µg/mL	+/- 412.0520
3	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00009482	99%	5,039.2 µg/mL	+/- 84.9253
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,207.0 µg/mL	+/- 412.1828
5	Methyl acetate	79-20-9	SHBP3100	99%	5,037.0 µg/mL	+/- 84.8888
6	Iodomethane (methyl iodide)	74-88-4	RD240405RSR	99%	5,048.3 µg/mL	+/- 85.0798
7	Allyl chloride (3-chloropropene)	107-05-1	RD240221ECS	99%	5,046.7 µg/mL	+/- 85.0517
8	Carbon disulfide	75-15-0	Q30J743	99%	5,036.0 µg/mL	+/- 84.8719
9	Acrylonitrile	107-13-1	MKCN8129	99%	12,598.0 µg/mL	+/- 206.0015
10	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBQ4873	99%	5,040.7 µg/mL	+/- 84.9506
11	n-Hexane (C6)	110-54-3	102412P22T	99%	5,042.5 µg/mL	+/- 84.9815
12	Diisopropyl ether (DIPE)	108-20-3	STBK8028	99%	5,042.7 µg/mL	+/- 84.9843
13	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	S240508RSR	99%	5,049.7 µg/mL	+/- 85.1023
14	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCT4522	98%	5,049.9 µg/mL	+/- 85.1069
15	Propionitrile	107-12-0	BCCH7430	99%	25,211.0 µg/mL	+/- 412.2482
16	Methacrylonitrile	126-98-7	1012014	99%	12,613.0 µg/mL	+/- 206.2467

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBR1206	99%	63,123.0	µg/mL	+/-	1,032.1821
18	Tetrahydrofuran	109-99-9	SHBQ8516	99%	25,247.0	µg/mL	+/-	412.8369
19	Cyclohexane	110-82-7	MKCS9749	99%	5,046.2	µg/mL	+/-	85.0433
20	1-Butanol	71-36-3	101601K21K	99%	63,110.0	µg/mL	+/-	1,031.9695
21	tert-Amyl methyl ether (TAME)	994-05-8	HMBJ0825	99%	5,038.5	µg/mL	+/-	84.9141
22	n-Heptane (C7)	142-82-5	044743T03G	99%	5,049.2	µg/mL	+/-	85.0938
23	tert-Amyl ethyl ether (TAEE)	919-94-8	IKVYB	97%	5,038.8	µg/mL	+/-	84.9196
24	Methylcyclohexane	108-87-2	SHBN1699	99%	5,044.8	µg/mL	+/-	85.0208
25	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,048.0	µg/mL	+/-	85.0742
26	1,4-Dioxane	123-91-1	SHBQ2407	99%	63,103.0	µg/mL	+/-	1,031.8550
27	2-Nitropropane	79-46-9	BCCB9352	97%	25,238.4	µg/mL	+/-	412.6967
28	Ethyl methacrylate	97-63-2	MKCN6206	97%	5,046.9	µg/mL	+/-	85.0558
29	1-Chlorohexane	544-10-5	BCBS3368V	99%	5,044.5	µg/mL	+/-	85.0152
30	trans-1,4-dichloro-2-butene	110-57-6	RP240130CTH	98%	12,602.8	µg/mL	+/-	206.0799
31	1,2,3-Trimethylbenzene	526-73-8	8776.10-38	99%	5,043.7	µg/mL	+/-	85.0012
32	1,3-Diethylbenzene	141-93-5	BCBZ6270	99%	5,048.3	µg/mL	+/-	85.0798
33	Benzyl chloride	100-44-7	MKCM5986	99%	5,039.8	µg/mL	+/-	84.9365
34	1,4-Diethylbenzene	105-05-5	1135.72-1	99%	5,048.2	µg/mL	+/-	85.0770
35	1,2-Diethylbenzene	135-01-3	BCCG9282	99%	5,049.3	µg/mL	+/-	85.0967
36	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	5,046.3	µg/mL	+/-	85.0461
37	2-Methylnaphthalene	91-57-6	STBL3028	99%	5,045.0	µg/mL	+/-	85.0236

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

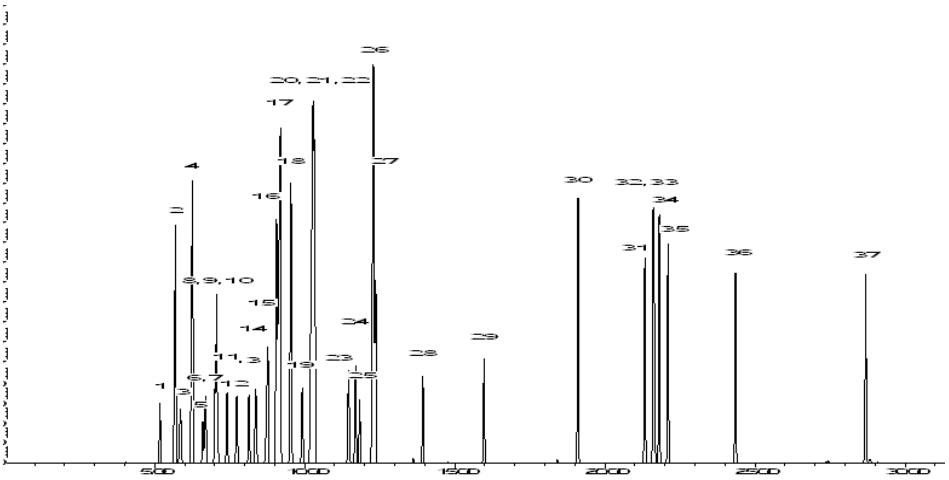
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
25.0 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024 **Balance Serial #** B251644995

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00303

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

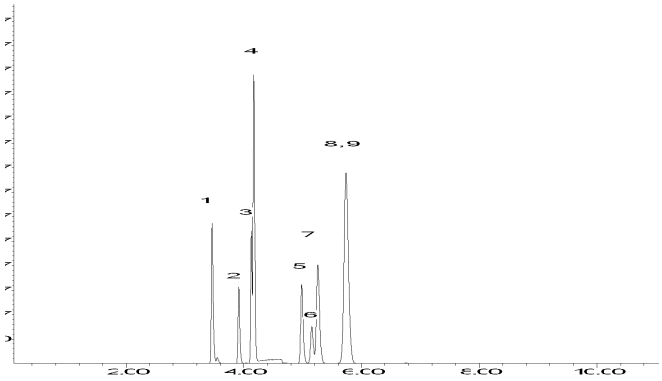
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_QC_2K_GAS_00307

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577488.SEC **Lot No.:** A0211460

Description : Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28888	99%	2,002.3 µg/mL	+/- 116.3467
2	Chloromethane (methyl chloride)	74-87-3.SEC	00022694	99%	2,014.2 µg/mL	+/- 117.1824
3	Vinyl chloride	75-01-4 *	00015559	99%	2,009.3 µg/mL	+/- 117.9630
4	1,3-Butadiene	106-99-0.SEC	28539	99%	2,030.2 µg/mL	+/- 117.6986
5	Bromomethane (methyl bromide)	74-83-9 *	00017022	99%	2,017.1 µg/mL	+/- 136.9230
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,005.3 µg/mL	+/- 122.7081
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14485600	90%	2,016.0 µg/mL	+/- 113.2616
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,020.0 µg/mL	+/- 113.4863
9	1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a)	354-23-4 *	877500	99%	2,005.1 µg/mL	+/- 115.4133

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

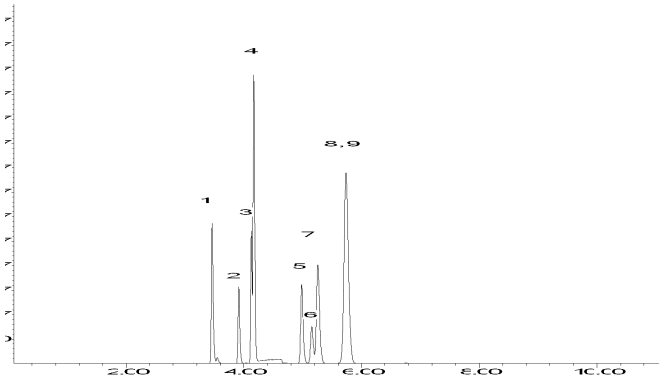
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V#2B_00428

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 56734 **Lot No.:** A0211456

Description : Custom V # 2B Standard

Custom V #2B Standard 12,500-125,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

Elution Order	Compound	CAS #	Percent Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	99%	25,027.0 µg/mL	+/- 146.5386 µg/mL
2	tert-Butanol (TBA)	75-65-0	99%	25,028.0 µg/mL	+/- 146.5444 µg/mL
3	Propionitrile	107-12-0	99%	25,017.0 µg/mL	+/- 146.4800 µg/mL
4	Methacrylonitrile	126-98-7	99%	12,514.0 µg/mL	+/- 73.2722 µg/mL
5	Isobutanol (2-Methyl-1-propanol)	78-83-1	99%	62,518.0 µg/mL	+/- 366.0566 µg/mL
6	1-Butanol	71-36-3	99%	125,047.0 µg/mL	+/- 732.1399 µg/mL
7	1,4-Dioxane	123-91-1	99%	62,517.0 µg/mL	+/- 366.0508 µg/mL
8	trans-1,4-dichloro-2-butene	110-57-6	98%	12,522.4 µg/mL	+/- 73.3216 µg/mL
Solvent:	P&T Methanol	67-56-1	99%		

Specific Reference Material Notes:

This RM (Reference Material) is not a CRM (Certified Reference Material) due to the 1-butanol concentration exceeding the maximum concentration on Restek's ISO Guide 34 scope of accreditation.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

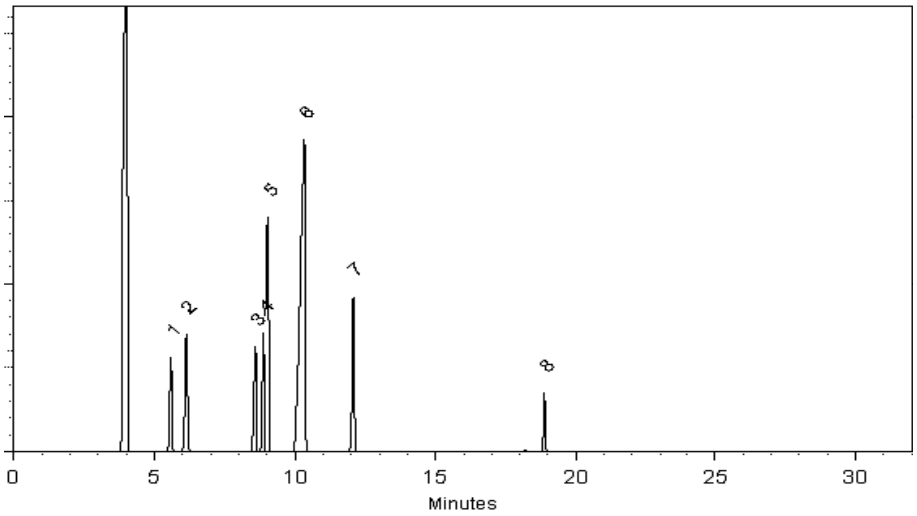
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 15-May-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the RM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Uncertainty Value Notes:

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

MSV_V_Ketones_00230

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0210935

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	12,591.3 µg/mL	+/- 435.1857
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	12,561.0 µg/mL	+/- 434.1373
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	12,580.0 µg/mL	+/- 434.7940
4	2-Hexanone	591-78-6	MKCV1997	99%	12,580.7 µg/mL	+/- 434.8170

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

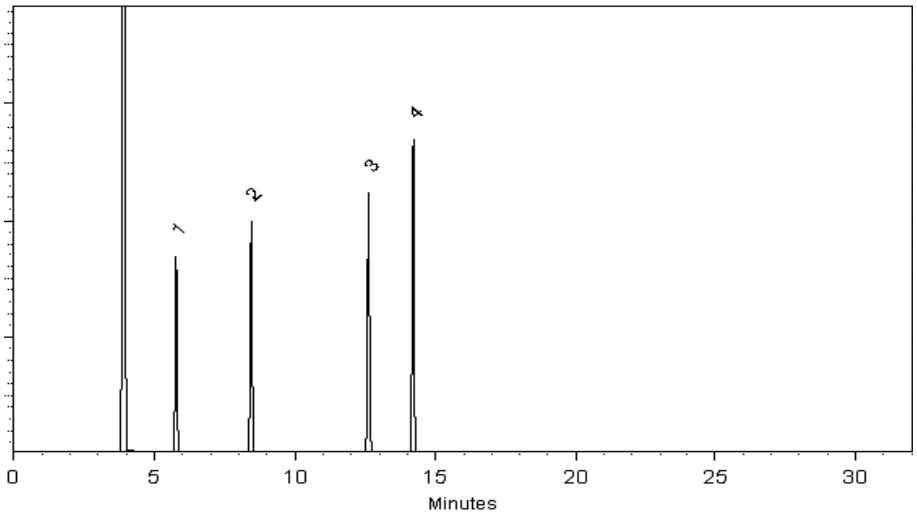
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_PentaCL_00052

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577491 **Lot No.:** A0197490

Description : Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachloroethane	76-01-7	13550700	97%	5,011.0 µg/mL	+/- 281.5258

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol

CAS # 67-56-1

Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

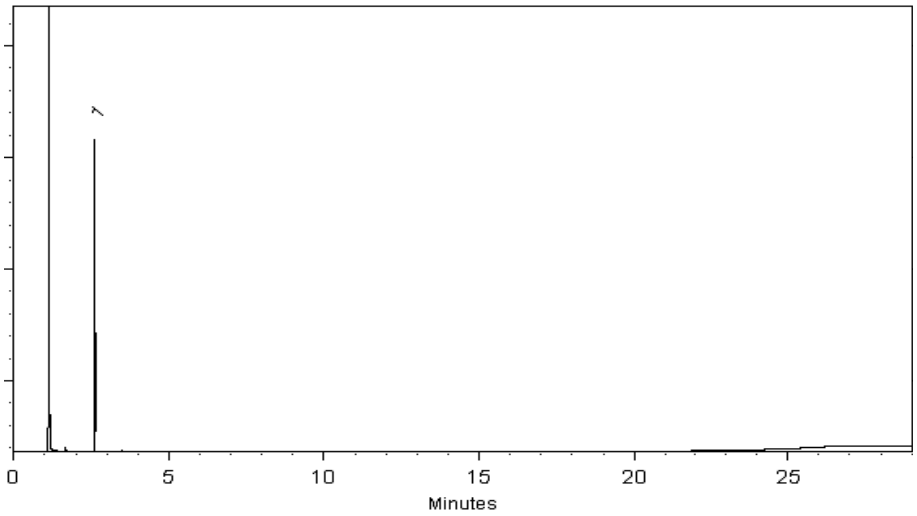
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MSV_V_SMFreon_00062

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 577490 **Lot No.:** A0197864

Description : Custom SM Freons Standard

Custom SM Freons Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlorotrifluoroethylene	79-38-9	202600	99%	1,999.9 µg/mL	+/- 116.8216
2	Chlorodifluoromethane (CFC-22)	75-45-6	Q162-44	99%	2,004.5 µg/mL	+/- 121.9609
3	2-Chloro-1,1,1-trifluoroethane (HCFC-133a)	75-88-7	Q157-146	99%	1,991.8 µg/mL	+/- 129.5770

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

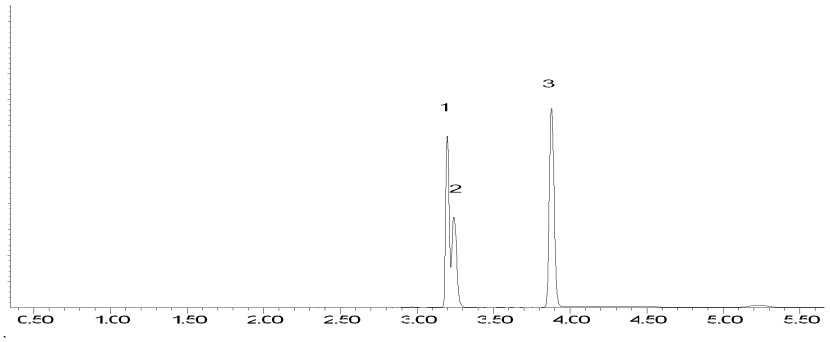
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 09-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

MT_1KV_PIV_00008

7221 Investment Drive • North Charleston, SC 29418
843.767.7900 • info@highpuritystandards.com • www.highpuritystandards.com

Certificate of Analysis

Certified Reference Material

ISO 17034:2016 (RMP) Accreditation Certificate Number AR-1436

Product Description: Vanadium

Product Number: **100065-1-100**

Lot Number: **2413810-100**

Matrix: 2% HNO3

Density: 1.022 g/mL ± 0.002 g/mL @ 21.2°C ± 0.3°C

Certified Value:

Element	µg/mL	SRM ID
V	1000 ± 4	3165

The Certified value is based on gravimetric and volumetric preparation, and verified against NIST SRM 3100 series when available via inductively coupled plasma optical emission spectrometry (ICP-OES) and/or inductively coupled plasma mass spectrometry (ICP-MS) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor k is about 2.
* Refer to Traceability Information, Section 4

Uncertified Values:

Trace Metal Impurity Scan: The data reported are based upon a scan of this specific lot via ICP-OES/ICP-MS analysis. The values are reported in µg/L.

Ag	<0.02	Cu	<0.02	Li	<0.02	Rb	<0.5	Th	<0.02
Al	58	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	8.4
As	<0.05	Er	<0.02	Mg	<0.1	Rh	<0.02	Tl	<0.02
Au	<0.02	Eu	<0.02	Mn	<2.4	Ru	<0.02	Tm	<0.02
B	<5.3	Fe	56	Mo	<6.2	Sb	<23	U	<2.5
Ba	1.1	Ga	<3.1	Na	<26	Sc	<0.02	V	M
Be	<0.02	Gd	<0.02	Nb	<0.1	Se	<0.1	W	<0.9
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<50	Y	<0.3
Ca	<3	Hf	<0.02	Ni	<0.02	Sm	<0.02	Yb	<0.1
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<0.5	Zn	<0.02
Ce	<0.02	In	<0.02	Pb	<0.05	Sr	<0.1	Zr	<0.9
Co	<2.5	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	53	K	<6.1	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

The expiry date is guaranteed to be valid for eighteen months from the shipping date provided and is guaranteed through the month of expiration. For this reason, standards from the same lot may have different expiration dates.

Shipped Date: September 2024

Expiration Date: March 31, 2026

Certificate Issue Date: June 4, 2024

Julio Soto, Quality Manager

Preparation Information:

This Certified Reference Material is prepared using **99.99%** pure **Ammonium Metavanadate** which was purchased from a qualified vendor per ISO 9001 guidelines and assayed by analytical methods for conformity prior to use. This standard was manufactured under appropriate laboratory conditions using the methods developed at NIST for SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. Stability of this product is based upon rigorous short-term and long-term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product. If, during the period of validity, a recall is instituted due to substantial changes in the stability of this product, the purchaser will be notified.

Homogeneity:

This product is determined to be homogeneous following in-house procedures developed in accordance with the requirements of ISO 17034 and ISO Guide 35.

Intended Use:

This product is intended for use as a calibration standard, quality control standard, and/or for the validation of analytical methods. The standard is confirmed homogeneous; therefore, the minimum sample size should be consistent with the end user's measurement capabilities.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

1. **Standard Weight and Analytical Balanee**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in 'NIST Weights and Measures Measurement Assurance Program' with a certificate of measurement traceability to NIST primary standards. The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
2. **Volumetric Device**
   The calibrations of volumetric vessels are verified using the ASTM method E542.
3. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
4. **Calibration Standards**
   The Calibration Standard is traceable to SRM 3100 Series Spectrometric Standard Solutions. If an SRM is not available, a second source standard or independent lot is used.

Refer to Safety Datasheet (SDS) for hazardous information.

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High-Purity Standards.

Reagent

MT_H3NO_Fishe_00061

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H330	Quality Test / Release Date	08/21/2024
Lot Number	243373		
Description	HYDROXYLAMINE HYDROCHLORIDE, A.C.S.		
Country of Origin	India	Suggested Retest Date	Feb/2027

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless to white crystals
AMMONIUM (NH4)	PASS/FAIL	= PASS TEST	PASS TEST
ASSAY	%	>= 96	98.6
CLARITY OF ALCOHOL SOLUTION	PASS/FAIL	= PASS TEST	PASS TEST
HEAVY METALS BY ICP-OES	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IGNITION RESIDUE	%	<= 0.05	0.03
IRON (Fe)	ppm	<= 5	<5
MERCURY (Hg)	ppm	<= 0.05	<0.05
SULFUR COMPOUNDS	%	<= 0.005	<0.005
TITRATABLE FREE ACID	MEQ/G	<= 0.25	<0.25



Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_HCL_VWR_00002

Certificate of Analysis

Material Number:	87003-251 | 87003-253
Material Description:	Hydrochloric Acid
Grade:	BDH Aristar® Plus
Lot Number:	4124090
Date of Manufacture:	2024-Nov-19
Use By:	2027-Nov-19
CAS Number:	7647-01-0
Molecular Weight:	36.46 g/mol
Molecular Formula:	HCl

Analyte	Maximum Specification	Actual Value
Assay (HCl)	34 - 37 % w/w	35% w/w
Color	10 APHA	< 7 APHA
Aluminum (Al)	1 ppb	< 0.2 ppb
Antimony (Sb)	0.5 ppb	< 0.1 ppb
Arsenic (As)	0.5 ppb	< 0.1 ppb
Barium (Ba)	0.1 ppb	< 0.1 ppb
Beryllium (Be)	0.1 ppb	< 0.1 ppb
Bismuth (Bi)	0.1 ppb	< 0.1 ppb
Boron (B)	1 ppb	< 0.1 ppb
Cadmium (Cd)	0.1 ppb	< 0.1 ppb
Calcium (Ca)	1 ppb	< 0.1 ppb
Cerium (Ce)	0.1 ppb	< 0.1 ppb
Cesium (Cs)	0.1 ppb	< 0.1 ppb
Chromium (Cr)	0.5 ppb	< 0.1 ppb
Cobalt (Co)	0.1 ppb	< 0.1 ppb
Copper (Cu)	0.5 ppb	< 0.1 ppb
Dysprosium (Dy)	0.1 ppb	< 0.1 ppb
Erbium (Er)	0.1 ppb	< 0.1 ppb
Europium (Eu)	0.1 ppb	< 0.1 ppb
Gadolinium (Gd)	0.1 ppb	< 0.1 ppb
Gallium (Ga)	0.1 ppb	< 0.1 ppb
Gold (Au)	0.5 ppb	< 0.1 ppb
Hafnium (Hf)	0.1 ppb	< 0.1 ppb
Holmium (Ho)	0.1 ppb	< 0.1 ppb
Indium (In)	0.1 ppb	< 0.1 ppb
Iron (Fe)	1 ppb	< 0.5 ppb
Lanthanum (La)	0.1 ppb	< 0.1 ppb
Lead (Pb)	0.1 ppb	< 0.1 ppb
Lithium (Li)	0.1 ppb	< 0.1 ppb
Lutetium (Lu)	0.1 ppb	< 0.1 ppb
Magnesium (Mg)	0.5 ppb	< 0.1 ppb
Manganese (Mn)	0.1 ppb	< 0.1 ppb
Mercury (Hg)	0.1 ppb	< 0.02 ppb
Molybdenum (Mo)	0.1 ppb	< 0.1 ppb
Neodymium (Nd)	0.1 ppb	< 0.1 ppb
Nickel (Ni)	0.5 ppb	< 0.2 ppb

Certificate of Analysis

Material Number:	87003-251 | 87003-253
Material Description:	Hydrochloric Acid
Grade:	BDH Aristar® Plus
Lot Number:	4124090
Date of Manufacture:	2024-Nov-19
Use By:	2027-Nov-19
CAS Number:	7647-01-0
Molecular Weight:	36.46 g/mol
Molecular Formula:	HCl

Analyte	Maximum Specification	Actual Value
Niobium (Nb)	0.1 ppb	< 0.1 ppb
Palladium (Pd)	Information Only	< 0.5 ppb
Platinum (Pt)	Information Only	< 0.5 ppb
Potassium (K)	1 ppb	< 0.1 ppb
Praseodymium (Pr)	0.1 ppb	< 0.1 ppb
Rhenium (Re)	0.1 ppb	< 0.1 ppb
Rhodium (Rh)	0.1 ppb	< 0.1 ppb
Rubidium (Rb)	0.1 ppb	< 0.1 ppb
Ruthenium (Ru)	0.1 ppb	< 0.1 ppb
Samarium (Sm)	0.1 ppb	< 0.1 ppb
Scandium (Sc)	0.1 ppb	< 0.1 ppb
Selenium (Se)	1 ppb	< 0.1 ppb
Silver (Ag)	1 ppb	< 0.1 ppb
Sodium (Na)	1 ppb	< 0.1 ppb
Strontium (Sr)	0.1 ppb	< 0.1 ppb
Tantalum (Ta)	Information Only	< 1 ppb
Tellurium (Te)	0.1 ppb	< 0.1 ppb
Terbium (Tb)	0.1 ppb	< 0.1 ppb
Thallium (Tl)	0.1 ppb	< 0.1 ppb
Thorium (Th)	0.1 ppb	< 0.1 ppb
Thulium (Tm)	0.1 ppb	< 0.1 ppb
Tin (Sn)	0.5 ppb	< 0.1 ppb
Titanium (Ti)	0.5 ppb	< 0.1 ppb
Tungsten (W)	0.1 ppb	< 0.1 ppb
Uranium (U)	0.1 ppb	< 0.1 ppb
Vanadium (V)	0.5 ppb	< 0.1 ppb
Ytterbium (Yb)	0.1 ppb	< 0.1 ppb
Yttrium (Y)	0.1 ppb	< 0.1 ppb
Zinc (Zn)	1 ppb	< 0.1 ppb
Zirconium (Zr)	0.1 ppb	< 0.1 ppb
Bromide (Br^-)	10 ppm	< 10 ppm
Free Chlorine (Cl_2)	0.5 ppm	< 0.5 ppm
Total Phosphorus (P)	0.01 ppm	< 0.01 ppm
Total Sulfur (S)	0.3 ppm	< 0.3 ppm

Greg Henson
QA & RA Manager

Reagent

MT_HNO3_FI_00018

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A200	Quality Test / Release Date	12/19/2024
Lot Number	245385		
Description	NITRIC ACID, CERTIFIED ACS		
Country of Origin	Canada		
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless free of suspended matter
ALUMINUM	ppm	<= 0.2	<0.2
ARSENIC (As)	ppm	<= 0.004	<0.004
ASSAY	w/w %	Inclusive Between 68.0 - 70.0	69.7
BORON (B)	ppm	<= 0.1	<0.1
CALCIUM (Ca)	ppm	<= 0.2	<0.2
CHLORIDE	ppm	<= 0.08	<0.08
CHROMIUM (Cr)	ppm	<= 0.1	<0.1
COLOR	APHA	<= 10	<10
COPPER (Cu)	ppm	<= 0.05	<0.05
GOLD (Au)	ppm	<= 0.3	<0.3
HEAVY METALS (as Pb)	ppm	<= 0.2	<0.2
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
LEAD (Pb)	ppm	<= 0.1	<0.1
MAGNESIUM (Mg)	ppm	<= 0.3	<0.3
NICKEL (Ni)	ppm	<= 0.05	<0.05
PHOSPHATE (PO4)	ppm	<= 0.2	<0.2
POTASSIUM (K)	ppm	<= 0.3	<0.3
RESIDUE AFTER IGNITION	ppm	<= 2	<2
SODIUM (Na)	ppm	<= 0.3	<0.3
SULFATE (SO4)	ppm	<= 0.5	<0.5
TIN (Sn)	ppm	<= 0.3	<0.3
TITANIUM (Ti)	ppm	<= 0.3	<0.3

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

ZINC (Zn)	ppm	<= 0.3	<0.3

Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_I_CCVSPK-A_00007

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	35-TSPEURF-CCV-A
Lot Number:	V2-MEB742653
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea:

Aluminum, Calcium,
Iron, Potassium,
Magnesium, Sodium,
Sulfur,

100 µg/mL ea:

Selenium, Strontium,
Thorium, Thallium,
Vanadium, Zinc,
Silver, Nickel,
Phosphorus, Lead,
Manganese, Lithium,
Cadmium, Cobalt,
Chromium, Copper,
Arsenic, Boron,
Barium, Beryllium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	5 000 ± 18 µg/mL	Arsenic, As	100.0 ± 0.8 µg/mL
Barium, Ba	100.0 ± 0.4 µg/mL	Beryllium, Be	100.0 ± 0.6 µg/mL
Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	100.0 ± 0.4 µg/mL
Calcium, Ca	5 000 ± 16 µg/mL	Chromium, Cr	100.0 ± 0.6 µg/mL
Cobalt, Co	100.0 ± 0.6 µg/mL	Copper, Cu	100.0 ± 0.5 µg/mL
Iron, Fe	5 000 ± 22 µg/mL	Lead, Pb	100.0 ± 0.5 µg/mL
Lithium, Li	100.0 ± 0.4 µg/mL	Magnesium, Mg	5 000 ± 22 µg/mL
Manganese, Mn	100.0 ± 0.5 µg/mL	Nickel, Ni	100.0 ± 0.6 µg/mL
Phosphorus, P	100.0 ± 0.5 µg/mL	Potassium, K	5 000 ± 22 µg/mL
Selenium, Se	100.0 ± 0.6 µg/mL	Silver, Ag	100.0 ± 0.4 µg/mL
Sodium, Na	5 000 ± 22 µg/mL	Strontium, Sr	100.0 ± 0.5 µg/mL
Sulfur, S	5 000 ± 23 µg/mL	Thallium, Tl	100.0 ± 0.5 µg/mL
Thorium, Th	100.0 ± 0.5 µg/mL	Vanadium, V	100.0 ± 0.5 µg/mL
Zinc, Zn	100.0 ± 0.5 µg/mL		

Density: 1.124 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
B	ICP Assay	3107	190605
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
S	Acidimetric	84L	84L
S	ICP Assay	Traceable to 3154	T2-S727797
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Th	EDTA	928	928
Tl	ICP Assay	3158	151215
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 01, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **April 01, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Reagent

MT_K2S2O8_JT_00052

Potassium Persulfate
BAKER ANALYZED® Reagent
(potassium peroxydisulfate)

Material No.: 3238-05
Batch No.: 22D2261044
Manufactured Date: 2021-07-28
Retest Date: 2028-07-26
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay ($K_2S_2O_8$) (by gravimetry)	≥ 99.0 %	99.5 %
Trace Impurities - Iron (Fe)	≤ 0.001 %	< 0.001 %
Trace Impurities - ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Trace Impurities - Manganese (Mn)	≤ 2.000 ppm	< 2.000 ppm

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Reagent

MT_K2S2O8_JT_00053

Potassium Persulfate
BAKER ANALYZED® Reagent
(potassium peroxydisulfate)

Material No.: 3238-05
Batch No.: 22D2261044
Manufactured Date: 2021-07-28
Retest Date: 2028-07-26
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay ($K_2S_2O_8$) (by gravimetry)	≥ 99.0 %	99.5 %
Trace Impurities - Iron (Fe)	≤ 0.001 %	< 0.001 %
Trace Impurities - ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Trace Impurities - Manganese (Mn)	≤ 2.000 ppm	< 2.000 ppm

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Reagent

MT_KMnO4_LC_00001

LabChem
Part of TCP Analytical Group
Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Potassium Permanganate ACS

Product Code: **LC198501**

Manufacture Date: October 09, 2024

Lot Number: **44100120**

Test	Specification	Result
Appearance (color)	dark purple	dark purple
Appearance (state)	crystals	crystals
Assay - % w/w	>= 99.0 % w/w	99.5% w/w
Chloride and bromide (as Cl)	<= 0.005 %	<0.005%
Insoluble Matter and NH4OH ppt	<= 0.2 %	0.1%
Sulfate (SO4)	<= 0.02 %	<0.02%

Intended Use *- Product is intended for use in manufacturing procedures and laboratory procedures and protocols.*

Storage Information *- Unless noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.*

Instructions for Handling and Use - *Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.*

Preparation - *All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.*



Quality Control
Michael Monteleone
Chemistry Supervisor

ISO9001:2015 Registration #0306-01

Reagent

MT_KMnO4_LC_00002

LabChem
Part of TCP Analytical Group
Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Potassium Permanganate ACS

Product Code: **LC198501** Manufacture Date: October 28, 2024

Lot Number: **44100407**

Test	Specification	Result
Appearance (color)	dark purple	dark purple
Appearance (state)	crystals	crystals
Assay - % w/w	>= 99.0 % w/w	99.5% w/w
Chloride and bromide (as Cl)	<= 0.005 %	<0.005%
Insoluble Matter and NH4OH ppt	<= 0.2 %	<0.2%
Sulfate (SO4)	<= 0.02 %	<0.02%

Intended Use *- Product is intended for use in manufacturing procedures and laboratory procedures and protocols.*

Storage Information *- Unless noted on the product label, store the product under normal lab conditions in its tightly closed original container. Do not pipet directly from the container or return unused portions to the container.*

Instructions for Handling and Use - *Please refer to the associated product label and Safety Data Sheet (SDS) for informa regarding safety and handling of this product.*

Preparation - *All products are manufactured and tested according to established, documented procedures and methodology Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balance thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.*

Michael Monteleone

Quality Control
Michael Monteleone
Chemistry Supervisor

ISO 9001:2015 Registration #0306-01

Reagent

MT_NaCl_Fis_00001

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	S271	Quality Test / Release Date	07/29/2024
Lot Number	243064		
Description	SODIUM CHLORIDE, CERTIFIED A.C.S.		
Country of Origin	United States	Suggested Retest Date	Jul/2029
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Comment	This material does not contain any BPA (Bisphenol A), phthalates/phthalate esters or animal derived substances.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White solid.
ASSAY	%	>= 99.0	99.6
BARIUM (Ba)	PASS/FAIL	= PASS TEST	PASS TEST
BROMIDE	%	<= 0.01	<0.01
CALCIUM	%	<= 0.002	0.0003
CHLORATE & NITRATE	%	<= 0.003	<0.003
HEAVY METALS BY ICP-OES	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	<0.005
IODIDE	%	<= 0.002	<0.002
IRON (Fe)	ppm	<= 2	<1
MAGNESIUM	%	<= 0.001	0.0005
PH 5% SOLUTION @ 25 DEG C		Inclusive Between 5.0 - 9.0	6.4
PHOSPHATE (PO4)	ppm	<= 5	<5
POTASSIUM (K)	%	<= 0.005	0.002
SULFATE (SO4)	%	<= 0.004	<0.004



Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_S_10Hg_CPI_00002

8/21/2025
7:28:43 PM

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: 4400-10PPM331-100

Mercury (Hg) – 10 µg/mL

Lot #: 1452342

Matrix: 2% HNO_3

*Expiration Date: 10 February 2026

Element	Certified Concentration & Uncertainty
Hg	10.00 ± 0.05 µg/mL (w/v)
	10.00 ± 0.05 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10 µg/mL by gravimetric methods using single-element concentrate. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3133**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	MAJOR	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	1	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

20 February 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MT_S_10Hg_CPI_00003

8/21/2025
7:28:43 PM

CPI INTERNATIONAL

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: 4400-10PPM331-100

Mercury (Hg) – 10 µg/mL

Lot #: 1503810

Matrix: 2% HNO_3

*Expiration Date: 10 February 2026

Element	Certified Concentration & Uncertainty
Hg	10.00 ± 0.05 µg/mL (w/v)
	10.00 ± 0.05 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10 µg/mL by gravimetric methods using single-element concentrate. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3133**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	MAJOR	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	<0.2	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	<0.5	Ga	<0.5	Li	<2	Os	<0.5	Ru	1	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution until the date shown above or ***12 Months** from the date opened, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

20 February 2024
Certification Date

Date Opened

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
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Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

MT_S_ICS2A_IV_00019

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ICS-9A
Lot Number:	U2-MEB731104
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	21 215 µg/mL ea: Chloride, 3 000 µg/mL ea: Calcium, 2 500 µg/mL ea: Iron, Sodium, 2 000 µg/mL ea: Carbon, 1 000 µg/mL ea: Aluminum, Phosphorus, Sulfur, Potassium, Magnesium, 20 µg/mL ea: Molybdenum, Titanium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	1 000 ± 3 µg/mL	Calcium, Ca	3 001 ± 13 µg/mL
Carbon, C	2 001 ± 4 µg/mL	Chloride, Cl	21 230.0 ± 100.0 µg/mL
Iron, Fe	2 501 ± 11 µg/mL	Magnesium, Mg	1 000 ± 4 µg/mL
Molybdenum, Mo	20.01 ± 0.11 µg/mL	Phosphorus, P	1 000 ± 4 µg/mL
Potassium, K	1 000 ± 4 µg/mL	Sodium, Na	2 501 ± 11 µg/mL
Sulfur, S	1 001 ± 4 µg/mL	Titanium, Ti	20.01 ± 0.15 µg/mL

Density: 1.052 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
C	Acidimetric	84L	84L
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cl	Acidimetric	84L	84L
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mo	ICP Assay	3134	130418
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
S	Acidimetric	84L	84L
S	ICP Assay	traceable to 3154	P2-S680745
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000200	M	Er	<	0.000100	M	Mn		0.005000	s	S	<		O	V	<	0.004600
s	Al	<		M	Eu	<	0.000100	s	Mo	<		M	Sb		0.001400	M	W		0.002300
O	As	<	0.085000	s	Fe	<		s	Na	<		M	Sc	<	0.000700	M	Y	<	0.000400
M	Au	<	0.002200	M	Ga		0.015000	M	Nb	<	0.000100	M	Se	<	0.005800	M	Yb	<	0.000100
M	B	<	0.003300	M	Gd	<	0.000100	M	Nd	<	0.000200	O	Si		0.044000	M	Zn		0.004500
M	Ba		0.003900	M	Ge	<	0.002400	M	Ni		0.012000	M	Sm	<	0.000100	M	Zr		0.001600
M	Be	<	0.000200	M	Hf	<	0.000100	M	Os	<	0.003900	M	Sn	<	0.000600				
M	Bi	<	0.001800	M	Hg	<	0.000200	s	P	<		M	Sr		0.017000				
s	Ca	<		M	Ho	<	0.000100	M	Pb	<	0.001200	M	Ta	<	0.000400				
O	Cd		0.004800	M	In	<	0.000100	M	Pd	<	0.000200	M	Tb	<	0.000100				
M	Ce	<	0.000600	M	Ir	<	0.000100	M	Pr	<	0.000100	M	Te	<	0.000600				
M	Co		0.002200	s	K	<		M	Pt	<	0.000100	M	Th	<	0.000100				
M	Cr		0.032000	M	La	<	0.000800	M	Rb		0.026000	s	Ti	<					
M	Cs		0.001900	O	Li		0.001400	M	Re	<	0.001000	M	Tl	<	0.000100				
M	Cu	<	0.008600	M	Lu	<	0.000100	M	Rh	<	0.000100	M	Tm	<	0.000100				
M	Dy	<	0.000100	s	Mg	<		M	Ru	<	0.000100	M	U	<	0.001200				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 20, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 20, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

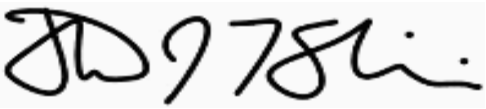
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Reagent

MT_S_ICS2B_IV_00007

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Refine your results. Redefine your industry.

Certificate of Analysis

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F: 540-585-3012
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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ICS-9B
Lot Number:	S2-MEB711470
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	20 µg/mL ea: Cobalt, Chromium, Copper, Manganese, Nickel, Vanadium, 10 µg/mL ea: Zinc, Arsenic, Cadmium, Selenium, 5 µg/mL ea: Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	**10.00 ± 0.06 µg/mL**	**Cadmium, Cd**	**10.00 ± 0.04 µg/mL**
Chromium, Cr	**20.01 ± 0.10 µg/mL**	**Cobalt, Co**	**20.01 ± 0.09 µg/mL**
Copper, Cu	**20.01 ± 0.09 µg/mL**	**Manganese, Mn**	**20.01 ± 0.09 µg/mL**
Nickel, Ni	**20.01 ± 0.09 µg/mL**	**Selenium, Se**	**10.00 ± 0.07 µg/mL**
Silver, Ag	**5.002 ± 0.034 µg/mL**	**Vanadium, V**	**20.01 ± 0.09 µg/mL**
Zinc, Zn	**10.00 ± 0.04 µg/mL**		

Density: 1.015 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928
Zn	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains “LOW” levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

November 02, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **November 02, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Reagent

MT_S_ICVSPK-A_00007

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-69496
Lot Number:	U2-MEB728821
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	2 500 µg/mL ea:

Aluminum, Calcium,
Iron, Potassium,
Magnesium, Sodium,

250 µg/mL ea:

Nickel, Manganese,
Cobalt, Chromium,
Copper, Arsenic,
Barium, Vanadium,
Zinc,

25 µg/mL ea:

Silver, Beryllium,
Cadmium, Lead,
Selenium, Strontium,
Thallium, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 500 ± 9 µg/mL	Arsenic, As	250.0 ± 2.1 µg/mL
Barium, Ba	250.0 ± 1.2 µg/mL	Beryllium, Be	25.00 ± 0.16 µg/mL
Cadmium, Cd	25.00 ± 0.10 µg/mL	Calcium, Ca	2 500 ± 11 µg/mL
Chromium, Cr	250.0 ± 1.8 µg/mL	Cobalt, Co	250.0 ± 1.2 µg/mL
Copper, Cu	250.0 ± 1.0 µg/mL	Iron, Fe	2 500 ± 10 µg/mL
Lead, Pb	25.00 ± 0.11 µg/mL	Magnesium, Mg	2 500 ± 11 µg/mL
Manganese, Mn	250.0 ± 1.0 µg/mL	Nickel, Ni	250.0 ± 1.1 µg/mL
Potassium, K	2 500 ± 11 µg/mL	Selenium, Se	24.99 ± 0.20 µg/mL
Silver, Ag	25.00 ± 0.13 µg/mL	Sodium, Na	2 500 ± 11 µg/mL
Strontium, Sr	25.01 ± 0.10 µg/mL	Thallium, Tl	25.00 ± 0.13 µg/mL
Uranium, U	25.01 ± 0.15 µg/mL	Vanadium, V	250.0 ± 1.1 µg/mL
Zinc, Zn	250.0 ± 1.1 µg/mL		

Density: 1.074 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	992212
Ag	Volhard	999b	999b
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	060531
Cd	EDTA	928	928
Co	EDTA	928	928
Co	ICP Assay	traceable to 3113	M2-CO661665
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	3153a	990906
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	891509
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

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k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.6 ± 0.1
Uranium 235U	0.42 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 25, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 25, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

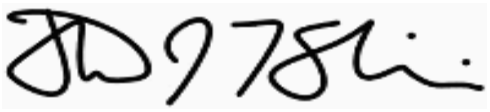
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Reagent

MT_S_MSSPK-A_00006

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Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-66048-A
Lot Number:	U2-MEB728823
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea:

Aluminum, Calcium,
Iron, Potassium,
Magnesium, Sodium,

500 µg/mL ea:

Nickel, Manganese,
Cobalt, Chromium,
Copper, Arsenic,
Barium, Vanadium,
Zinc,

50 µg/mL ea:

Silver, Beryllium,
Cadmium, Lead,
Selenium, Strontium,
Thallium, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	5 008 ± 18 µg/mL	Arsenic, As	500.8 ± 3.7 µg/mL
Barium, Ba	500.8 ± 2.3 µg/mL	Beryllium, Be	50.07 ± 0.33 µg/mL
Cadmium, Cd	50.07 ± 0.23 µg/mL	Calcium, Ca	5 008 ± 22 µg/mL
Chromium, Cr	500.8 ± 2.9 µg/mL	Cobalt, Co	500.8 ± 2.4 µg/mL
Copper, Cu	500.8 ± 2.0 µg/mL	Iron, Fe	5 008 ± 21 µg/mL
Lead, Pb	50.08 ± 0.22 µg/mL	Magnesium, Mg	5 008 ± 22 µg/mL
Manganese, Mn	500.8 ± 2.0 µg/mL	Nickel, Ni	500.8 ± 2.2 µg/mL
Potassium, K	5 008 ± 22 µg/mL	Selenium, Se	50.09 ± 0.32 µg/mL
Silver, Ag	50.07 ± 0.22 µg/mL	Sodium, Na	5 008 ± 22 µg/mL
Strontium, Sr	50.07 ± 0.19 µg/mL	Thallium, Tl	50.07 ± 0.36 µg/mL
Uranium, U	50.08 ± 0.27 µg/mL	Vanadium, V	500.8 ± 2.2 µg/mL
Zinc, Zn	500.8 ± 2.2 µg/mL		

Density: 1.130 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	Traceable to 3152A	S2-NA700842
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	080521
U	Calculated		See Sec. 4.2
U	X_U_CRM		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 26, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **January 26, 2028**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

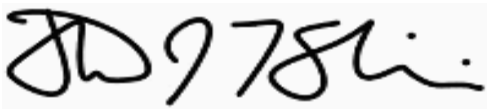
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Reagent

MT_S_MWLLC_SC_00009

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-76463
Lot Number:	V2-MEB748176
Matrix:	2% (v/v) HNO3 tr. HF
Value / Analyte(s):	200 µg/mL ea: Potassium, Sodium, 100 µg/mL ea: Calcium, 50 µg/mL ea: Iron, Magnesium, 25 µg/mL ea: Aluminum, 10 µg/mL ea: Titanium, Zinc, 2 µg/mL ea: Tin, Arsenic, Barium, Chromium, Manganese, 1 µg/mL ea: Nickel, Copper, Strontium, Antimony, Selenium, Uranium, 0.5 µg/mL ea: Vanadium, Thallium, Cadmium, Cobalt, Beryllium, Lead, Silver, Molybdenum

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	24.98 ± 0.09 µg/mL	Antimony, Sb	1.001 ± 0.006 µg/mL
Arsenic, As	1.999 ± 0.012 µg/mL	Barium, Ba	2.001 ± 0.012 µg/mL
Beryllium, Be	0.5001 ± 0.0026 µg/mL	Cadmium, Cd	0.5001 ± 0.0030 µg/mL
Calcium, Ca	100.0 ± 0.3 µg/mL	Chromium, Cr	1.999 ± 0.012 µg/mL
Cobalt, Co	0.4997 ± 0.0022 µg/mL	Copper, Cu	1.001 ± 0.006 µg/mL
Iron, Fe	50.02 ± 0.22 µg/mL	Lead, Pb	0.4996 ± 0.0022 µg/mL
Magnesium, Mg	50.02 ± 0.22 µg/mL	Manganese, Mn	2.000 ± 0.010 µg/mL
Molybdenum, Mo	0.5004 ± 0.0034 µg/mL	Nickel, Ni	1.000 ± 0.006 µg/mL
Potassium, K	200.1 ± 0.9 µg/mL	Selenium, Se	1.000 ± 0.005 µg/mL
Silver, Ag	0.4998 ± 0.0034 µg/mL	Sodium, Na	200.1 ± 0.9 µg/mL
Strontium, Sr	1.000 ± 0.004 µg/mL	Thallium, Tl	0.4993 ± 0.0026 µg/mL
Tin, Sn	2.000 ± 0.014 µg/mL	Titanium, Ti	9.98 ± 0.06 µg/mL
Uranium, U	1.000 ± 0.005 µg/mL	Vanadium, V	0.5001 ± 0.0026 µg/mL
Zinc, Zn	10.01 ± 0.05 µg/mL		

Density: 1.011 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cr	Calculated		See Sec. 4.2
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Sb	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Sn	ICP Assay	3161a	140917

Sn	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Ti	ICP Assay	traceable to 3162a	T2-TI725816
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
V	Calculated		See Sec. 4.2
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information (https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver)

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 31, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 31, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Reagent

MT_SULF_FI_00022

Certificate of Analysis

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Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A300	Quality Test / Release Date	09/11/2023
Lot Number	233289		
Description	SULFURIC ACID, ACS grade		
Country of Origin	United States	Suggested Retest Date	Sep/2028
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless and free from suspended or insoluble matter
AMMONIUM (NH4)	ppm	<= 2	<1
ARSENIC (As)	ppm	<= 0.01	<0.001
ASSAY	w/w %	Inclusive Between 95.0 - 98.0	96.5
CHLORIDE	ppm	<= 0.2	<0.1
COLOR	APHA	<= 10	<10
HEAVY METALS (as Pb)	ppm	<= 1	<0.005
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
MERCURY (Hg)	ppb	<= 5	<5
NITRATE (NO3)	ppm	<= 0.5	<0.1
RESIDUE AFTER IGNITION	ppm	<= 5	<3
SUBSTANCES REDUCING KMNO4	ppm	<= 2	<2.0



Harout Sahagian - Quality Control Supervisor - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

MT_SULF_FI_00026

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	A300	Quality Test / Release Date	11/20/2024
Lot Number	245290	Expiration Date	Sep/2026
Description	SULFURIC ACID, ACS grade		
Country of Origin	United States		
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
AMMONIUM (NH4)	ppm	<= 2	<2
ARSENIC (As)	ppm	<= 0.01	<0.01
ASSAY	w/w %	Inclusive Between 95.0 - 98.0	96.5
CHLORIDE	ppm	<= 0.2	<0.2
COLOR	APHA	<= 10	<10
HEAVY METALS (as Pb)	ppm	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IRON (Fe)	ppm	<= 0.2	<0.2
MERCURY (Hg)	ppb	<= 5	<5
NITRATE (NO3)	ppm	<= 0.5	<0.5
RESIDUE AFTER IGNITION	ppm	<= 5	<5
SUBSTANCES REDUCING KMNO4	ppm	<= 2	<2



Kalyan Paruchuri - Quality Control Supervisor - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Reagent

OP_LCSmix2stk_00009

OP_LCSmix25K-00009

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is Intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0212130

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,012.5 µg/mL	+/- 59.1067
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,014.5 µg/mL	+/- 59.1655
3	Atrazine	1912-24-9	5FYWL	99%	2,001.1 µg/mL	+/- 58.7726

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

OP_LCSmix2stk_00010

OP-LCSmix2stk-00010

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0217501

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L., k=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,010.8 µg/mL	+/- 59.0568
2	epsilon-Caprolactam	105-60-2	Y16H012	99%	2,016.3 µg/mL	+/- 59.2183
3	Atrazine	1912-24-9	5FYWL	99%	2,015.3 µg/mL	+/- 59.1901

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

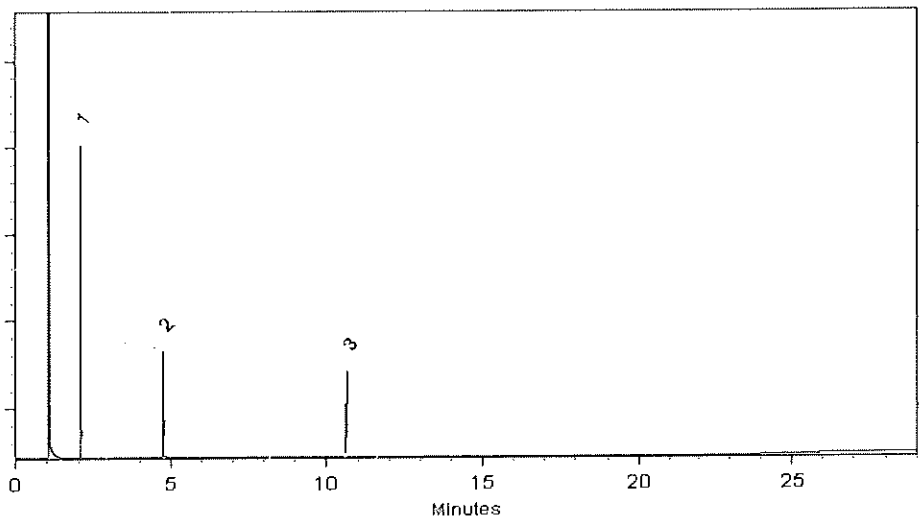
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I Date Mixed: 07-Oct-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC Date Passed: 08-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX1_00016

OP-RES-APPX1-00016

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667 **Lot No.:** A0213252

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8	STBJ3945	99%	1,004.0 µg/mL	+/- 18.5897
2	N-Nitrosomethylethylamine	10595-95-6	13530400	99%	1,006.0 µg/mL	+/- 18.6267
3	Acrylamide	79-06-1	01402JA	99%	1,005.0 µg/mL	+/- 18.6082
4	N-Nitrosodiethylamine	55-18-5	UT2EJ	99%	1,005.0 µg/mL	+/- 18.6082
5	N-Nitrosopyrrolidine	930-55-2	4-EOD-34-1	99%	1,008.0 µg/mL	+/- 18.6638
6	o-Toluidine	95-53-4	03417PZ	99%	1,007.0 µg/mL	+/- 18.6452
7	N-Nitrosomorpholine	59-89-2	GOJNI	99%	1,006.0 µg/mL	+/- 18.6267
8	N-Nitrosopiperidine	100-75-4	13518900	99%	1,007.0 µg/mL	+/- 18.6452
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8	231012JLM	99%	1,006.0 µg/mL	+/- 18.6267
10	Quinoline	91-22-5	UU6EC	99%	1,005.0 µg/mL	+/- 18.6082
11	N-Nitrosodi-n-butylamine	924-16-3	7BSAG	99%	1,007.0 µg/mL	+/- 18.6452
12	1,4-Phenylenediamine	106-50-3	15063900	99%	1,007.0 µg/mL	+/- 18.6452
13	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.0 µg/mL	+/- 18.6082
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7	WRJNI	99%	1,007.0 µg/mL	+/- 18.6452
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8	816595	99%	1,007.0 µg/mL	+/- 18.6452

Reagent

OP_RES_APPX1_00018

OR RES-APPL-00018

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667 **Lot No.:** A0220647

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

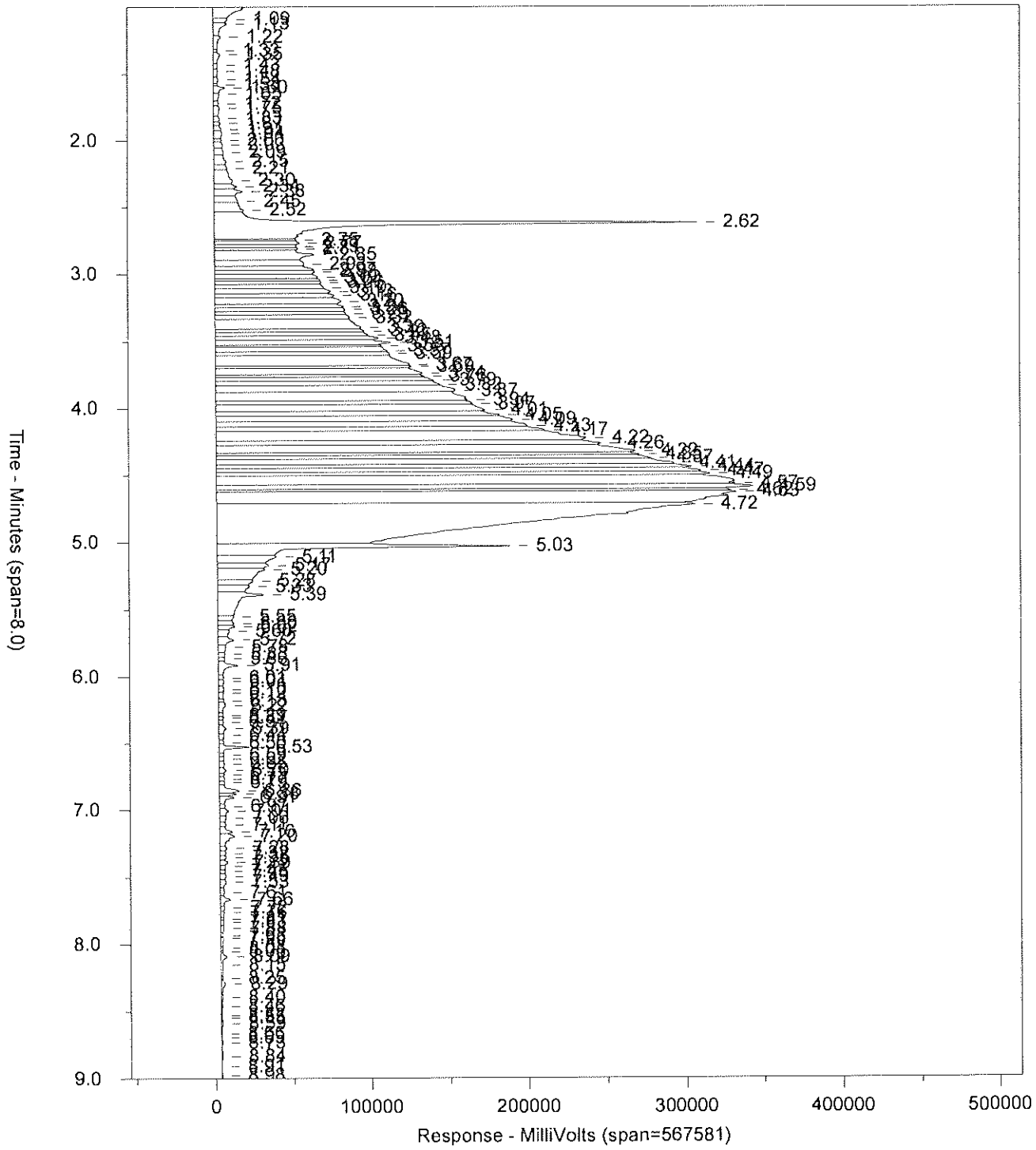
Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8	STBJ3945	99%	1,002.0 µg/mL	+/- 18.5527
2	N-Nitrosomethylethylamine	10595-95-6	SL240628	99%	1,006.0 µg/mL	+/- 18.6267
3	Acrylamide	79-06-1	01402JA	99%	1,001.0 µg/mL	+/- 18.5342
4	N-Nitrosodiethylamine	55-18-5	UT2EJ	99%	1,004.0 µg/mL	+/- 18.5897
5	N-Nitrosopyrrolidine	930-55-2	4-EOD-34-1	99%	1,008.0 µg/mL	+/- 18.6638
6	o-Toluidine	95-53-4	03417PZ	99%	1,000.0 µg/mL	+/- 18.5156
7	N-Nitrosomorpholine	59-89-2	GOJNI	99%	1,008.0 µg/mL	+/- 18.6638
8	N-Nitrosopiperidine	100-75-4	14759900	99%	1,004.0 µg/mL	+/- 18.5897
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8	S241107RSR	99%	1,004.0 µg/mL	+/- 18.5897
10	Quinoline	91-22-5	IFJEH	99%	1,006.0 µg/mL	+/- 18.6267
11	N-Nitrosodi-n-butylamine	924-16-3	7BSAG	99%	1,008.0 µg/mL	+/- 18.6638
12	1,4-Phenylenediamine	106-50-3	15834600	99%	1,005.0 µg/mL	+/- 18.6082
13	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,008.0 µg/mL	+/- 18.6638
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7	WRJNI	99%	1,010.0 µg/mL	+/- 18.7008
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8	825404	99%	1,007.0 µg/mL	+/- 18.6452

C:\CPData\CP38\Data\38scrn25014001.013.RAW 410-203120-J-8-A 20

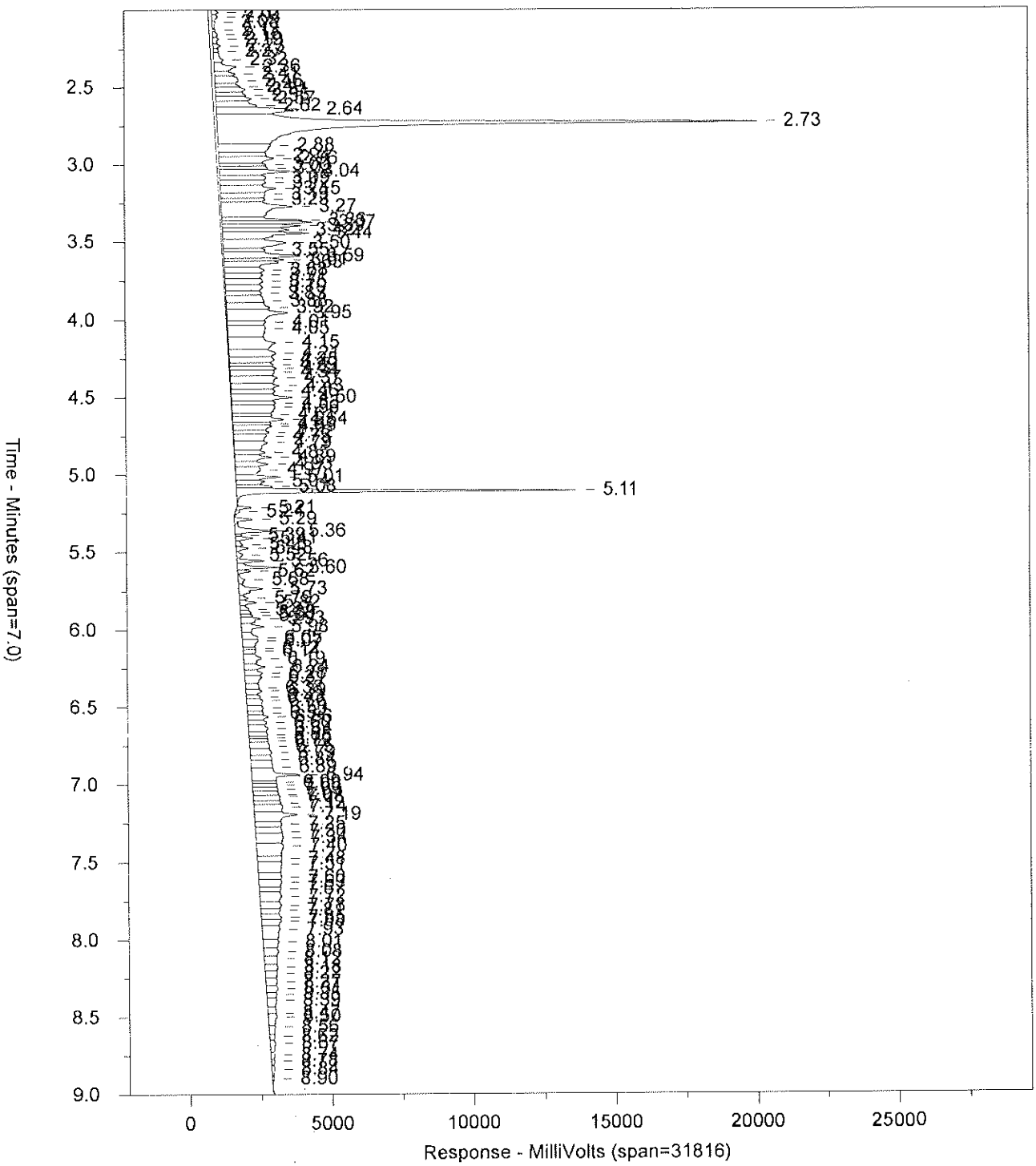


16	5-Nitro-o-toluidine	99-55-8	H67GL	99%	1,005.0	µg/mL	+/- 18.6082
17	1,3,5-Trinitrobenzene	99-35-4	DRA6TDK	99%	1,008.0	µg/mL	+/- 18.6638
18	Phenacetin	62-44-2	317935/11192	99%	1,009.0	µg/mL	+/- 18.6823
19	4-Aminobiphenyl	92-67-1	SLCD6545	99%	1,003.0	µg/mL	+/- 18.5712
20	Propyzamide	23950-58-5	14890900	99%	1,000.0	µg/mL	+/- 18.5156
21	Pentachloronitrobenzene (quintozene)	82-68-8	15465100	98%	1,002.5	µg/mL	+/- 18.5627
22	4-Nitroquinoline-N-oxide	56-57-5	WXBF2413V	97%	1,005.9	µg/mL	+/- 18.6247
23	p-Dimethylaminoazobenzene	60-11-7	BCBP8840V	98%	1,001.6	µg/mL	+/- 18.5445
24	3,3'-Dimethylbenzidine (o-tolidine)	119-93-7	ELVJM	99%	1,008.0	µg/mL	+/- 18.6638
25	2-Acetylaminofluorene	53-96-3	WZDQE	99%	1,003.0	µg/mL	+/- 18.5712
26	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	RP230106	97%	1,004.0	µg/mL	+/- 18.5888
27	Dibenz(a,h)acridine	226-36-8	052013	99%	1,006.0	µg/mL	+/- 18.6267

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

C:\CPData\CP38\Data\38scrn25014001B.013.RAW 410-203120-J-10-A 20



Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

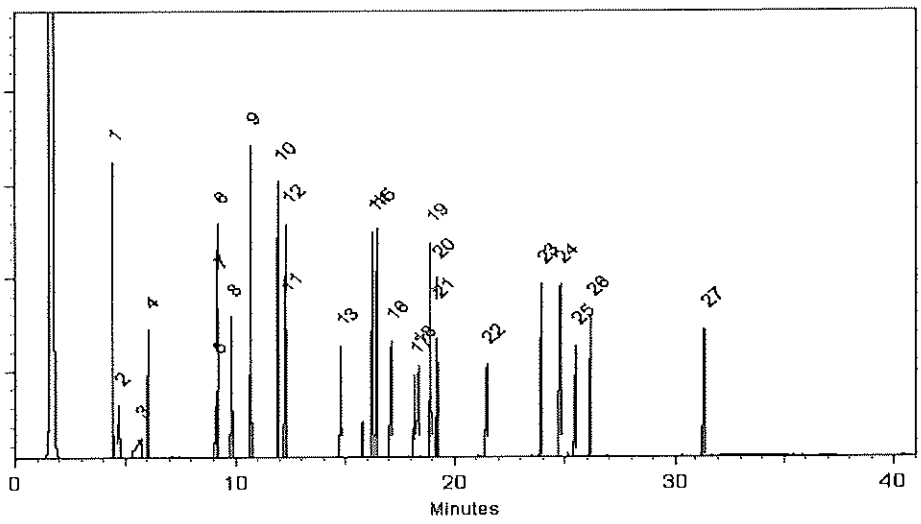
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

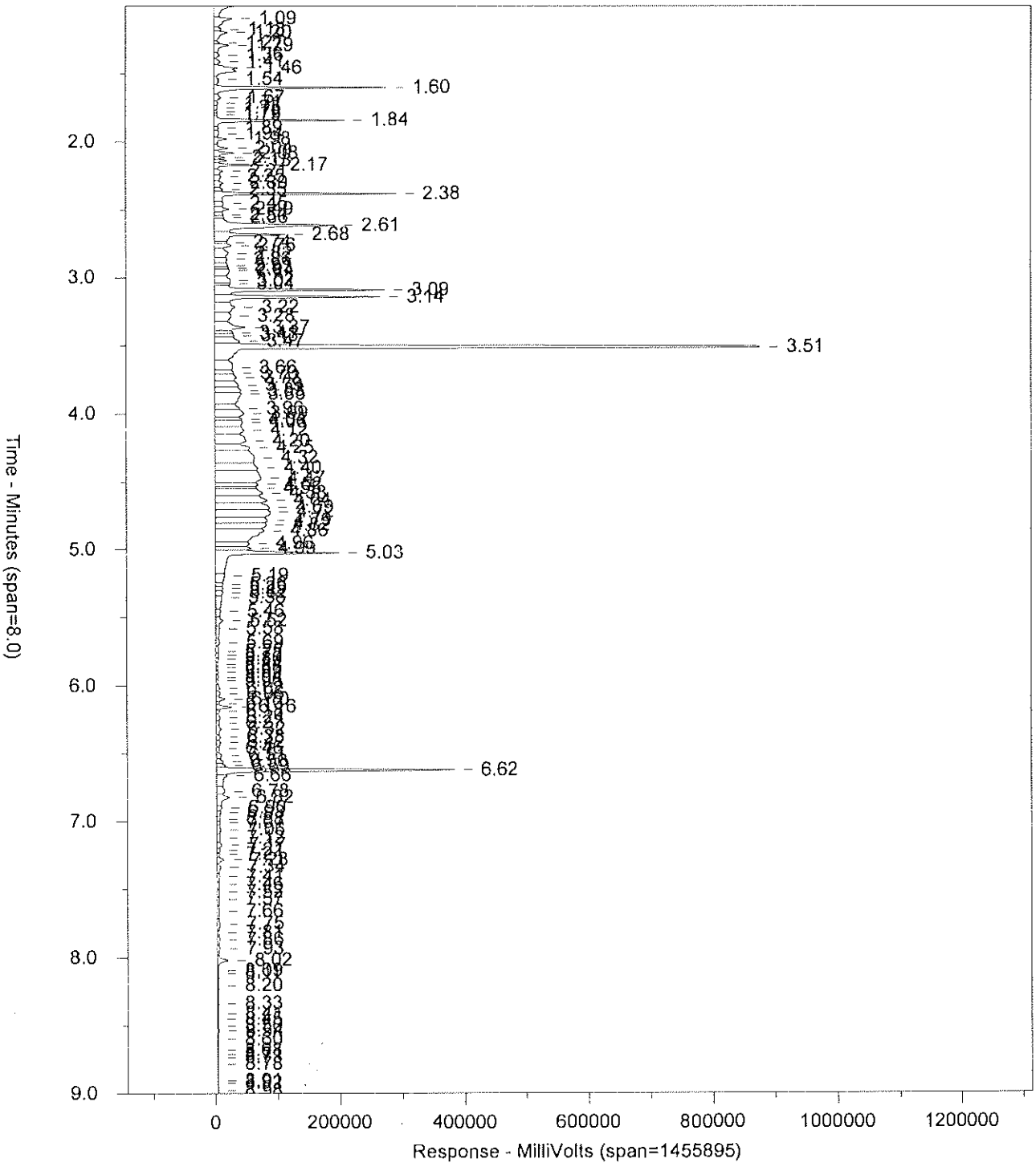
Date Mixed: 01-Jan-2025 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 28-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

C:\CPData\CP38\Data\38scrn25014001.014.RAW 630-102445-C-3-A



Reagent

OP_RES_APPX2_00016

OP_RES-APP2-00016

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733 **Lot No.:** A0213441

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2025 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3	MKCT0680	99%	1,003.0 µg/mL	+/- 23.0258
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,008.0 µg/mL	+/- 23.1406
3	Pentachloroethane	76-01-7	15250200	98%	1,001.6 µg/mL	+/- 22.9927
4	Hexachloropropene	1888-71-7	44391/3	99%	1,002.0 µg/mL	+/- 23.0028
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,007.8 µg/mL	+/- 23.1367
6	1-Chloronaphthalene	90-13-1	TXRHO	98%	1,004.5 µg/mL	+/- 23.0602
7	1,4-Naphthoquinone	130-15-4	KKMWB	99%	1,002.0 µg/mL	+/- 23.0028
8	Pentachlorobenzene	608-93-5	MKCS7191	99%	1,006.0 µg/mL	+/- 23.0947
9	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,008.0 µg/mL	+/- 23.1406
10	Dinoseb	88-85-7	50001	99%	1,000.0 µg/mL	+/- 22.9569
11	Isodrin	465-73-6	15458600	98%	1,004.5 µg/mL	+/- 23.0602
12	Chlorobenzilate	510-15-6	15268200	98%	1,006.5 µg/mL	+/- 23.1052
13	7,12-Dimethylbenz(a)anthracene	57-97-6	LUQXO	99%	1,010.0 µg/mL	+/- 23.1865

Reagent

OP_RES_APPX2_00018

OPRES-APPX2_00018

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733 **Lot No.:** A0219845

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Concentration (weight/volume)	Expanded Uncertainty* (95% C.L., k=2)
1	Methyl methanesulfonate	66-27-3	MKCT0680	99%	1,006.8 µg/mL	+/- 23.1130
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,005.0 µg/mL	+/- 23.0717
3	Pentachloroethane	76-01-7	15627600	97%	1,000.7 µg/mL	+/- 22.9719
4	Hexachloropropene	1888-71-7	44391/3	99%	1,003.7 µg/mL	+/- 23.0419
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,008.2 µg/mL	+/- 23.1456
6	1-Chloronaphthalene	90-13-1	TXRHO	98%	1,008.3 µg/mL	+/- 23.1480
7	1,4-Naphthoquinone	130-15-4	KKMWB	99%	1,007.2 µg/mL	+/- 23.1222
8	Pentachlorobenzene	608-93-5	MKCS7191	99%	1,003.9 µg/mL	+/- 23.0464
9	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,007.0 µg/mL	+/- 23.1176
10	Dinoseb	88-85-7	50001	99%	1,004.6 µg/mL	+/- 23.0625
11	Isodrin	465-73-6	15745200	98%	1,001.2 µg/mL	+/- 22.9837
12	Chlorobenzilate	510-15-6	15519800	98%	1,007.3 µg/mL	+/- 23.1255
13	7,12-Dimethylbenz(a)anthracene	57-97-6	2JTRH	99%	1,007.2 µg/mL	+/- 23.1222

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

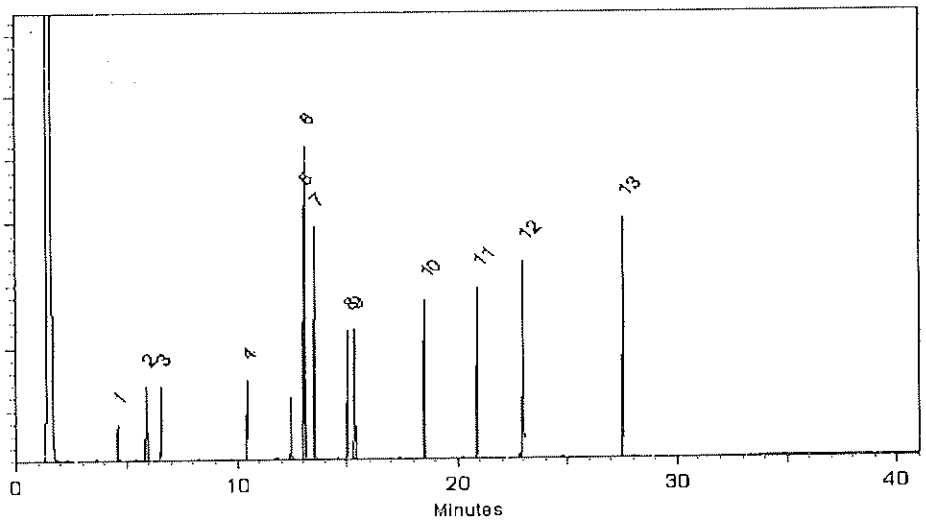
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I **Date Mixed:** 08-Dec-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 10-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX3_00013

OP-RES-APPX3-00013

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567680 **Lot No.:** A0220331

Description : 8270 List 2 / Std #3

8270 List 2 / Std #3 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; k=2)
1	6-Methylchrysene	1705-85-7	P60507-1024	99%	2,002.0 µg/mL	+/- 90.1854
2	3-Methylcholanthrene	56-49-5	P68278-0327	95%	2,002.6 µg/mL	+/- 90.2125

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

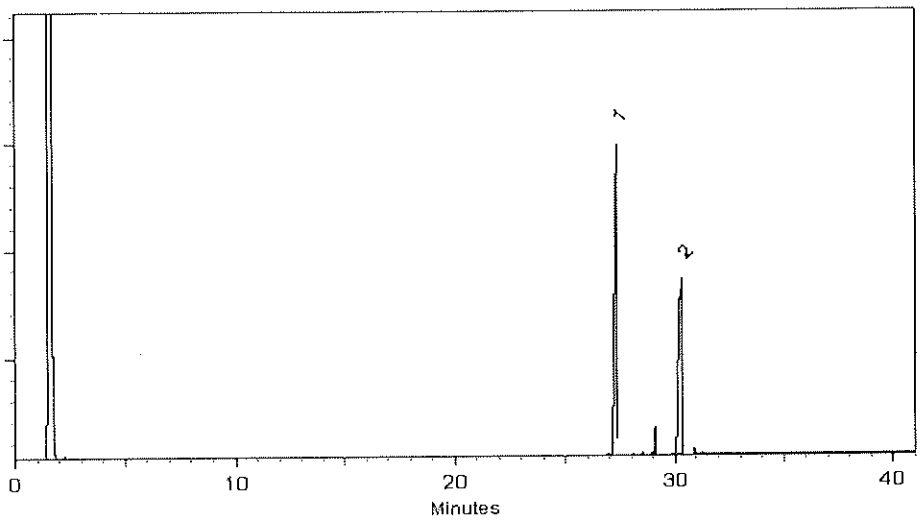
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 19-Dec-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 07-Jan-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX4_00010

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681 **Lot No.:** A0203600

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1	2-KRR-57-1	98%	1,005.5 µg/mL	+/- 45.9024
2	Safrole	94-59-7	322225/11292	99%	1,009.0 µg/mL	+/- 46.0631
3	Zinophos (thionazine)	297-97-2	14454100	98%	1,005.5 µg/mL	+/- 45.9024
4	Sulfotepp	3689-24-5	SL230731	99%	1,006.0 µg/mL	+/- 45.9262
5	Diallate (cis and trans) 74% cis-Diallate; 26% trans-Diallate	2303-16-4	14730400	99%	1,006.0 µg/mL	+/- 45.9262
6	Phorate	298-02-2	13939400	99%	1,008.0 µg/mL	+/- 46.0175
7	Dimethoate	60-51-5	14574600	99%	1,008.0 µg/mL	+/- 46.0175
8	Disulfoton	298-04-4	13839400	98%	1,004.5 µg/mL	+/- 45.8577
9	Methyl parathion	298-00-0	14116700	99%	1,007.0 µg/mL	+/- 45.9718
10	Parathion (Ethyl parathion)	56-38-2	14438600	99%	1,007.0 µg/mL	+/- 45.9718
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8	14438500	99%	1,006.0 µg/mL	+/- 45.9262
12	Famphur	52-85-7	14021600	99%	1,006.0 µg/mL	+/- 45.9262

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

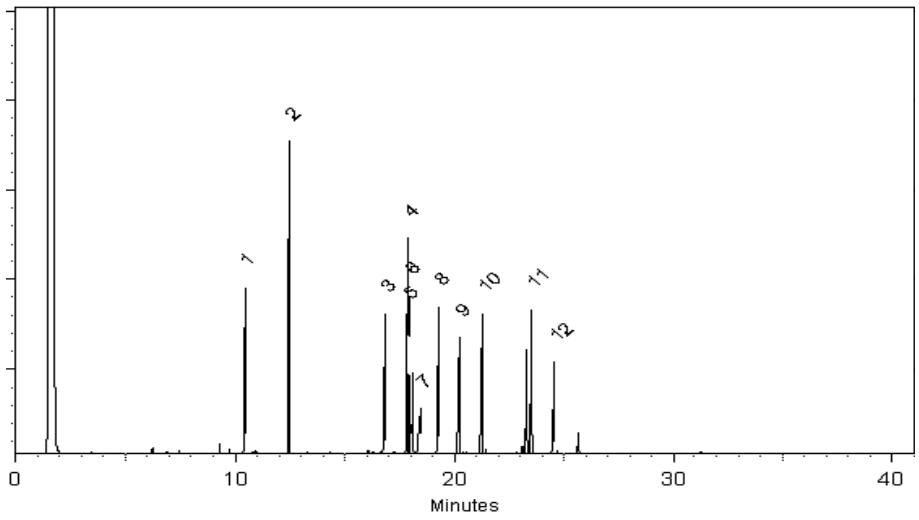
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 25-Oct-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_RES_APPX4_00015

OP_RES_APPX4_00015

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681 **Lot No.:** A0222255

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Gravimetric Conc. (weight/volume)	Expanded Uncertainty** (95% C.I., k=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1	2-KRR-57-1	98%	1,009.1 µg/mL	+/- 46.0572
2	Safrole	94-59-7	322225/11292	99%	1,007.3 µg/mL	+/- 45.9778
3	Zinophos (thionazine)	297-97-2	15755700	99%	1,003.0 µg/mL	+/- 45.7800
4	Sulfotepp	3689-24-5	15843500	97%	1,005.6 µg/mL	+/- 45.8971
5	Diallate (cis and trans) 74% cis-Diallate; 26% trans-Diallate	2303-16-4	14687600	99%	1,001.7 µg/mL	+/- 45.7191
6	Phorate	298-02-2	15904100	99%	1,008.7 µg/mL	+/- 46.0386
7	Dimethoate	60-51-5	15924900	99%	1,004.0 µg/mL	+/- 45.8256
8	Disulfoton	298-04-4	15536400	99%	1,007.7 µg/mL	+/- 45.9930
9	Methyl parathion	298-00-0	15930400	99%	1,007.3 µg/mL	+/- 45.9778
10	Parathion (Ethyl parathion)	56-38-2	15860000	99%	1,003.3 µg/mL	+/- 45.7952
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8	15464900	99%	1,008.3 µg/mL	+/- 46.0234
12	Famphur	52-85-7	15822900	98%	1,002.2 µg/mL	+/- 45.7441

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

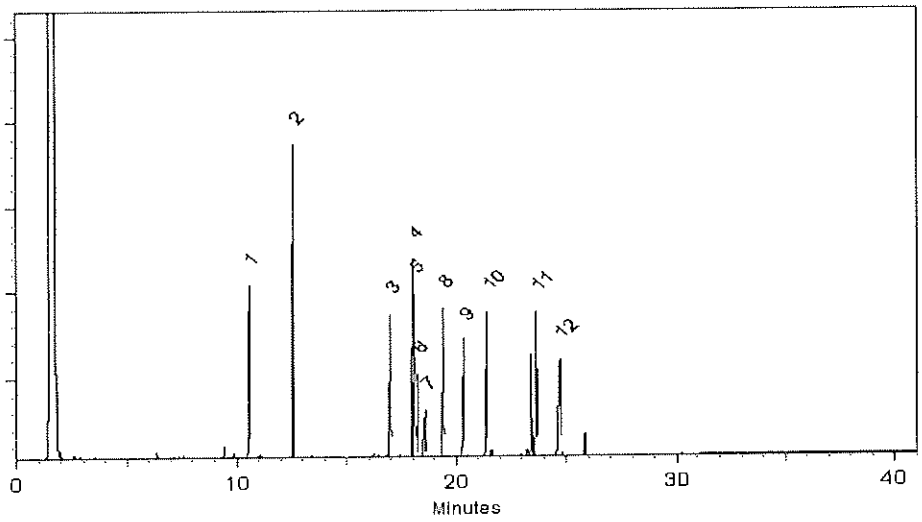
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I Date Mixed: 13-Feb-2025 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC Date Passed: 19-Feb-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_APPX6_00010

OP-RES-APX6-00010

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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is Intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568727 **Lot No.:** A0216024

Description : 8270 List 2/ Std #8 Dibenz(a,j)acridine

8270 List 2/ Std #8 Dibenz(a,j)acridine 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2027 **Storage:** -10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibenz(a,j)acridine	224-42-0	0012011	97%	2,006.2 µg/mL	+/- 90.3934

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

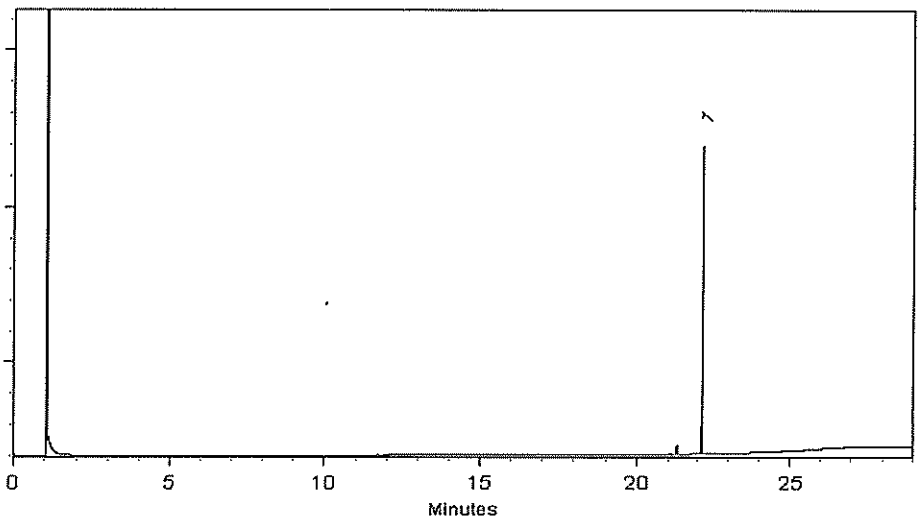
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 03-Sep-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

OP_RES_LCS1_00022

OP_RES_LCS1_00022

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0216029

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2025 **Storage:** 0°C or colder

Handling: Sonicate prior to use. Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	1,002.9 µg/mL	+/- 18.5331
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,001.9 µg/mL	+/- 18.5146
3	Pyridine	110-86-1	SHBP6240	99%	2,012.6 µg/mL	+/- 37.1847
4	Phenol	108-95-2	MKCK1120	99%	1,002.5 µg/mL	+/- 18.5262
5	Aniline	62-53-3	X22F726	99%	1,004.4 µg/mL	+/- 18.5608
6	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 18.5228
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,005.6 µg/mL	+/- 18.5839
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,006.9 µg/mL	+/- 18.6070
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,006.8 µg/mL	+/- 18.6047
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.4 µg/mL	+/- 18.5423
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,006.0 µg/mL	+/- 18.5908
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,003.4 µg/mL	+/- 18.5423
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.6 µg/mL	+/- 18.5654
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 18.5956
15	Acetophenone	98-86-2	STBH8205	99%	1,003.1 µg/mL	+/- 18.5377
16	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.6 µg/mL	+/- 9.2885

Response - MilliVolts (span=40976)
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5000
10000
15000
20000
25000
30000
35000
Time - Minutes (span=8.0)
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5.0
6.0
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9.0
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410-192912-A-13-B

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8	µg/mL	+/- 9.3093
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,003.8	µg/mL	+/- 18.5493
19	Hexachloroethane	67-72-1	QTORH	99%	1,000.6	µg/mL	+/- 18.4916
20	Nitrobenzene	98-95-3	10224044	99%	1,003.2	µg/mL	+/- 18.5390
21	Isophorone	78-59-1	MKCC9506	99%	1,007.0	µg/mL	+/- 18.6094
22	2-Nitrophenol	88-75-5	RP230710	99%	1,007.1	µg/mL	+/- 18.6116
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.9	µg/mL	+/- 18.5516
24	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3	µg/mL	+/- 18.5216
25	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,008.0	µg/mL	+/- 18.6278
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,000.9	µg/mL	+/- 18.4961
27	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 18.5459
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,004.5	µg/mL	+/- 18.5631
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.0	µg/mL	+/- 18.4984
30	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 18.5519
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.6	µg/mL	+/- 18.5839
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 18.4800
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,007.6	µg/mL	+/- 18.6197
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,006.9	µg/mL	+/- 18.6070
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 18.5032
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.6	µg/mL	+/- 18.6024
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,007.0	µg/mL	+/- 18.6090
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 18.5216
39	Biphenyl	92-52-4	MKCS5928	99%	1,005.8	µg/mL	+/- 18.5862
40	2-Nitroaniline	88-74-4	RP240418RSR	99%	1,007.5	µg/mL	+/- 18.6186
41	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 18.4791
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,005.8	µg/mL	+/- 18.5862
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 18.5863
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 18.5020
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,001.9	µg/mL	+/- 18.5146
46	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 18.4801
47	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	2,018.1	µg/mL	+/- 37.2863
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,007.0	µg/mL	+/- 18.6093
49	4-Nitrophenol	100-02-7	RP240328CTH	99%	2,003.8	µg/mL	+/- 37.0207
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 18.5263
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,002.6	µg/mL	+/- 18.5285
52	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 18.5574

C:\CPData\CP38\Data\38scm2430100 1B.022.RAW
410-192912-A-14-B
Response - MilliVolts (span=69460)
0
10000
20000
30000
40000
50000
60000
Time - Minutes (span=7.0)
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
8.5
9.0
2.66
2.74
3.98
4.72
5.13
6.00
6.96

53	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	1,008.0	µg/mL	+/- 18.6278
54	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 18.5193
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 18.5355
56	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,001.3	µg/mL	+/- 18.5031
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	2,001.8	µg/mL	+/- 36.9838
58	Diphenylamine	122-39-4	MKCT1512	99%	854.8	µg/mL	+/- 15.7957
59	Azobenzene	103-33-3	BCCK0887	99%	1,001.1	µg/mL	+/- 18.5007
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 18.5898
61	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 18.6498
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,007.3	µg/mL	+/- 37.0854
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,006.9	µg/mL	+/- 18.6070
64	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 18.5944
65	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 18.5101
66	Carbazole	86-74-8	15276700	99%	1,007.0	µg/mL	+/- 18.6093
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 18.5263
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 18.6406
69	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 18.5332
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 18.5644
71	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 18.6475
72	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 18.5898
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 18.5956
74	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 18.6452
75	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 18.5979
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 18.5159
77	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 18.5530
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 18.5486
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 18.5574
80	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 18.5082

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

C:\CPData\CP38\Data\38scrn243010001.023.RAW
410-192912-A-15-B
Response - MilliVolts (span=50902)
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
Time - Minutes (span=8.0)
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
2.77
6.49
7.29

Specific Reference Material Notes:
N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

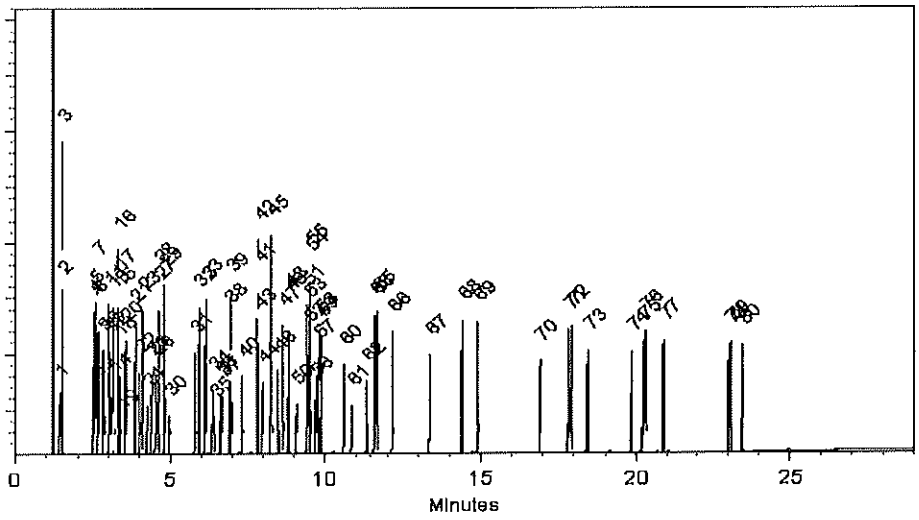
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 03-Sep-2024 **Balance Serial #** 1128360905

John Lidgett - AD Chemist

Date Passed: 01-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

C:\CPData\CP38\Data\38scrn243010018.023.RAW 410-192912-A-16-B
Response - MilliVolts (span=72594)
0
10000
20000
30000
40000
50000
60000
Time - Minutes (span=7.0)
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
6.96
6.00
2.66

Reagent

OP_RES_LCS1_00023

OP-RESLCS1-00023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0219584

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBR4317	99%	1,007.2 µg/mL	+/- 18.6087
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,002.8 µg/mL	+/- 18.5275
3	Pyridine	110-86-1	SHBR4811	99%	2,017.3 µg/mL	+/- 37.2711
4	Phenol	108-95-2	MKCK1120	99%	1,007.3 µg/mL	+/- 18.6106
5	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 18.5755
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.7 µg/mL	+/- 18.5441
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,004.5 µg/mL	+/- 18.5589
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,002.2 µg/mL	+/- 18.5164
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,005.5 µg/mL	+/- 18.5773
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.7 µg/mL	+/- 18.5995
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,006.3 µg/mL	+/- 18.5921
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,008.4 µg/mL	+/- 18.6309
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,007.1 µg/mL	+/- 18.6069
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,003.0 µg/mL	+/- 18.5312
15	Acetophenone	98-86-2	STBH8205	99%	1,003.1 µg/mL	+/- 18.5330
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.5 µg/mL	+/- 9.2677

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	504.0	µg/mL	+/- 9.3139
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,001.0	µg/mL	+/- 18.4942
19	Hexachloroethane	67-72-1	DAXRI	99%	1,002.5	µg/mL	+/- 18.5219
20	Nitrobenzene	98-95-3	10224044	99%	1,001.2	µg/mL	+/- 18.4979
21	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 18.5607
22	2-Nitrophenol	88-75-5	RP230710	99%	1,001.7	µg/mL	+/- 18.5071
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.8	µg/mL	+/- 18.5644
24	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,007.1	µg/mL	+/- 18.6069
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 18.5626
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,003.4	µg/mL	+/- 18.5385
27	Naphthalene	91-20-3	STBL1057	99%	1,008.6	µg/mL	+/- 18.6346
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.7	µg/mL	+/- 18.5256
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,002.6	µg/mL	+/- 18.5238
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,001.8	µg/mL	+/- 18.5082
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,007.2	µg/mL	+/- 18.6087
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 18.4757
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 18.4756
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,002.5	µg/mL	+/- 18.5219
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.5	µg/mL	+/- 18.5027
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,007.8	µg/mL	+/- 18.6198
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,009.3	µg/mL	+/- 18.6473
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.0	µg/mL	+/- 18.5496
39	Biphenyl	92-52-4	MKCS5928	99%	1,007.2	µg/mL	+/- 18.6087
40	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,002.1	µg/mL	+/- 18.5145
41	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 18.4756
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.3	µg/mL	+/- 18.6106
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,001.1	µg/mL	+/- 18.4960
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.3	µg/mL	+/- 18.5367
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,002.8	µg/mL	+/- 18.5275
46	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 18.4757
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,000.8	µg/mL	+/- 36.9662
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 18.5755
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,009.5	µg/mL	+/- 37.1270
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,001.9	µg/mL	+/- 18.5108
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.7	µg/mL	+/- 18.5810
52	Fluorene	86-73-7	10246250	98%	1,006.9	µg/mL	+/- 18.6023

53	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	1,003.0	µg/mL	+/- 18.5312
54	Diethylphthalate	84-66-2	BCCJ6241	99%	1,007.4	µg/mL	+/- 18.6124
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,007.2	µg/mL	+/- 18.6087
56	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,006.2	µg/mL	+/- 18.5903
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	2,017.3	µg/mL	+/- 37.2711
58	Diphenylamine	122-39-4	MKCT1512	99%	853.6	µg/mL	+/- 15.7745
59	Azobenzene	103-33-3	BCCK0887	99%	1,002.3	µg/mL	+/- 18.5182
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,001.3	µg/mL	+/- 18.4997
61	Hexachlorobenzene	118-74-1	15458400	99%	1,002.2	µg/mL	+/- 18.5164
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,005.4	µg/mL	+/- 37.0512
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,002.5	µg/mL	+/- 18.5219
64	Phenanthrene	85-01-8	MKCT3391	99%	1,002.7	µg/mL	+/- 18.5256
65	Anthracene	120-12-7	101492T18R	99%	1,008.5	µg/mL	+/- 18.6328
66	Carbazole	86-74-8	14872900	99%	1,006.3	µg/mL	+/- 18.5921
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,003.5	µg/mL	+/- 18.5404
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.6	µg/mL	+/- 18.5422
69	Pyrene	129-00-0	BCCK2592	99%	1,003.7	µg/mL	+/- 18.5441
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.6	µg/mL	+/- 18.5792
71	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.8	µg/mL	+/- 18.5829
72	Chrysene	218-01-9	RP241007RSR	99%	1,002.8	µg/mL	+/- 18.5275
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,001.8	µg/mL	+/- 18.5090
74	Di-n-octyl phthalate	117-84-0	15566400	99%	1,004.8	µg/mL	+/- 18.5644
75	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,001.3	µg/mL	+/- 18.4997
76	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,001.0	µg/mL	+/- 18.4937
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,008.4	µg/mL	+/- 18.6313
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,005.8	µg/mL	+/- 18.5828
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.0	µg/mL	+/- 18.5496
80	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.9	µg/mL	+/- 18.5842

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

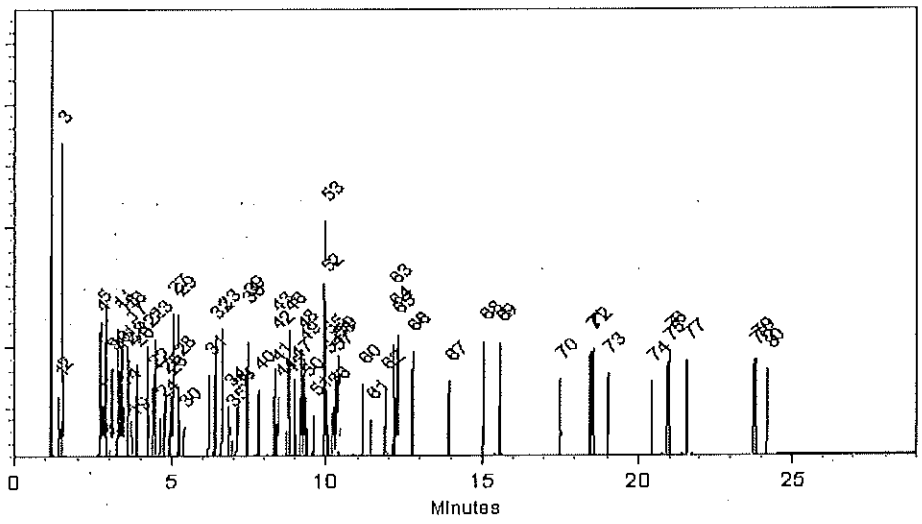
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 26-Nov-2024 Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 17-Dec-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_LCS1_00024

OPRES LCS1-00024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0224609

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Gravimetric Conc. (weight/weight solution)	Expanded Uncertainty* (k=2, 95% C.L., Rep)
1	1,4-Dioxane	123-91-1	SHBS1217	99%	1,008.1 µg/mL	+/- 18.6301
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.0 µg/mL	+/- 18.5724
3	Pyridine	110-86-1	SHBR4811	99%	2,007.3 µg/mL	+/- 37.0854
4	Phenol	108-95-2	MKCT5446	99%	1,001.0 µg/mL	+/- 18.4984
5	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 18.5331
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,008.4 µg/mL	+/- 18.6347
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,006.1 µg/mL	+/- 18.5931
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.6 µg/mL	+/- 18.6209
9	1,3-Dichlorobenzene	541-73-1	STBL1702	99%	1,005.4 µg/mL	+/- 18.5793
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,004.6 µg/mL	+/- 18.5654
11	Benzyl alcohol	100-51-6	094986P13M	99%	1,003.4 µg/mL	+/- 18.5423
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,003.6 µg/mL	+/- 18.5469
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,001.3 µg/mL	+/- 18.5031
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.0 µg/mL	+/- 18.6093
15	Acetophenone	98-86-2	STBH8205	99%	1,006.4 µg/mL	+/- 18.5978
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.9 µg/mL	+/- 9.2746

17	4-Methylphenol (p-cresol)	106-44-5	SHBQ7653	99%	501.4	µg/mL	+/- 9.2654
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,009.4	µg/mL	+/- 18.6532
19	Hexachloroethane	67-72-1	DAXRI	99%	1,006.3	µg/mL	+/- 18.5955
20	Nitrobenzene	98-95-3	10224044	99%	1,005.0	µg/mL	+/- 18.5724
21	Isophorone	78-59-1	MKCR3249	99%	1,009.0	µg/mL	+/- 18.6463
22	2-Nitrophenol	88-75-5	RP230710	99%	1,004.3	µg/mL	+/- 18.5585
23	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,008.3	µg/mL	+/- 18.6324
24	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,002.9	µg/mL	+/- 18.5331
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,008.0	µg/mL	+/- 18.6278
26	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	1,009.3	µg/mL	+/- 18.6509
27	Naphthalene	91-20-3	STBL1057	99%	1,002.4	µg/mL	+/- 18.5238
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.1	µg/mL	+/- 18.5192
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.9	µg/mL	+/- 18.6440
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,006.1	µg/mL	+/- 18.5925
31	4-Chloro-3-methylphenol	59-50-7	BCCK5906	99%	1,003.6	µg/mL	+/- 18.5469
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.1	µg/mL	+/- 18.4823
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.4	µg/mL	+/- 18.3028
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,006.9	µg/mL	+/- 18.6070
35	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,002.3	µg/mL	+/- 18.5215
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,001.6	µg/mL	+/- 18.5100
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.2	µg/mL	+/- 18.6314
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,008.9	µg/mL	+/- 18.6440
39	Biphenyl	92-52-4	MKCS5928	99%	1,008.8	µg/mL	+/- 18.6417
40	2-Nitroaniline	88-74-4	RP241202RSR	99%	1,002.1	µg/mL	+/- 18.5192
41	Acenaphthylene	208-96-8	214935V18H	95%	1,000.0	µg/mL	+/- 18.4798
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.0	µg/mL	+/- 18.6093
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.6	µg/mL	+/- 18.6393
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,004.8	µg/mL	+/- 18.5677
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,007.8	µg/mL	+/- 18.6232
46	Acenaphthene	83-32-9	MKCV8166	99%	1,000.0	µg/mL	+/- 18.4800
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,011.5	µg/mL	+/- 37.1639
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,001.8	µg/mL	+/- 18.5123
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,007.8	µg/mL	+/- 37.0946
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.8	µg/mL	+/- 18.6417
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.9	µg/mL	+/- 18.5885
52	Fluorene	86-73-7	10246250	98%	1,003.0	µg/mL	+/- 18.5360

53	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	1,004.1	µg/mL	+/- 18.5562
54	Diethylphthalate	84-66-2	STBL3611	99%	1,004.0	µg/mL	+/- 18.5539
55	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,007.1	µg/mL	+/- 18.6116
56	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,002.5	µg/mL	+/- 18.5262
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	2,011.1	µg/mL	+/- 37.1570
58	Diphenylamine	122-39-4	MKCT1512	99%	852.6	µg/mL	+/- 15.7565
59	Azobenzene	103-33-3	BCCL3292	99%	1,003.0	µg/mL	+/- 18.5354
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.4	µg/mL	+/- 18.5793
61	Hexachlorobenzene	118-74-1	15828800	99%	1,002.9	µg/mL	+/- 18.5331
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,006.6	µg/mL	+/- 37.0739
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,001.4	µg/mL	+/- 18.5054
64	Phenanthrene	85-01-8	MKCT3391	99%	1,004.1	µg/mL	+/- 18.5562
65	Anthracene	120-12-7	101492T18R	99%	1,005.0	µg/mL	+/- 18.5724
66	Carbazole	86-74-8	15821400	99%	1,008.6	µg/mL	+/- 18.6393
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,001.4	µg/mL	+/- 18.5054
68	Fluorantbene	206-44-0	A0458721	99%	1,005.3	µg/mL	+/- 18.5770
69	Pyrene	129-00-0	BCCK2592	99%	1,004.3	µg/mL	+/- 18.5585
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.5	µg/mL	+/- 18.5816
71	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,003.8	µg/mL	+/- 18.5493
72	Chrysene	218-01-9	RP250121RSR	99%	1,001.4	µg/mL	+/- 18.5054
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,005.4	µg/mL	+/- 18.5793
74	Di-n-octyl phthalate	117-84-0	15817300	99%	1,002.8	µg/mL	+/- 18.5308
75	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,003.3	µg/mL	+/- 18.5400
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,007.4	µg/mL	+/- 18.6162
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,001.8	µg/mL	+/- 18.5133
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.0	µg/mL	+/- 18.4992
79	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,001.3	µg/mL	+/- 18.5031
80	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	1,001.9	µg/mL	+/- 18.5146

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

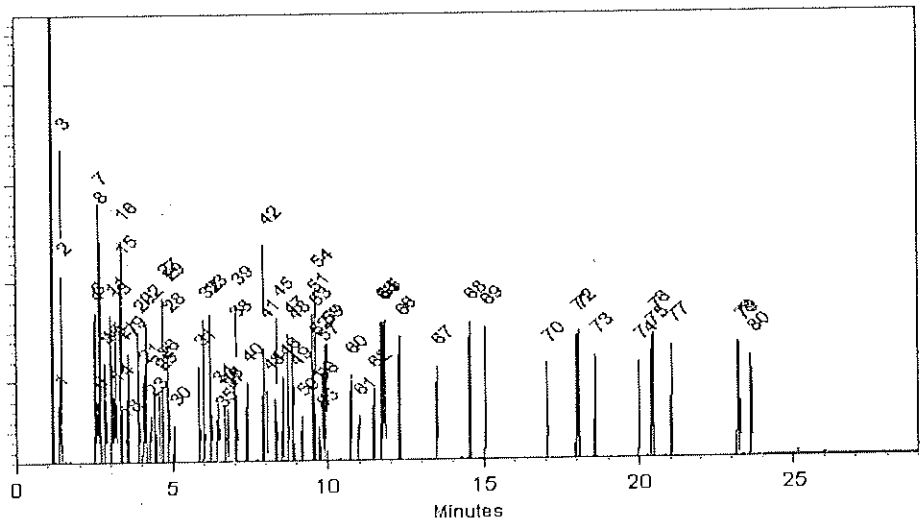
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician Date Mixed: 14-Apr-2025 Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC Date Passed: 25-Apr-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_LCS2_00013

OP-RES-LCS2-00013

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0211034

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S240206RSR	99%	2,003.9 µg/mL	+/- 37.0230
2	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	2,019.9 µg/mL	+/- 37.3187

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

C:\CPData\CP38\Data\38scrn2430102.001.RAW
410-19291 2-A-2-A
Response - Millivolts (span=397026)
0
50000
100000
150000
200000
250000
300000
350000
Time - Minutes (span=8.0)
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
2.64
2.80
2.97
3.88
5.05
5.47
7.37

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

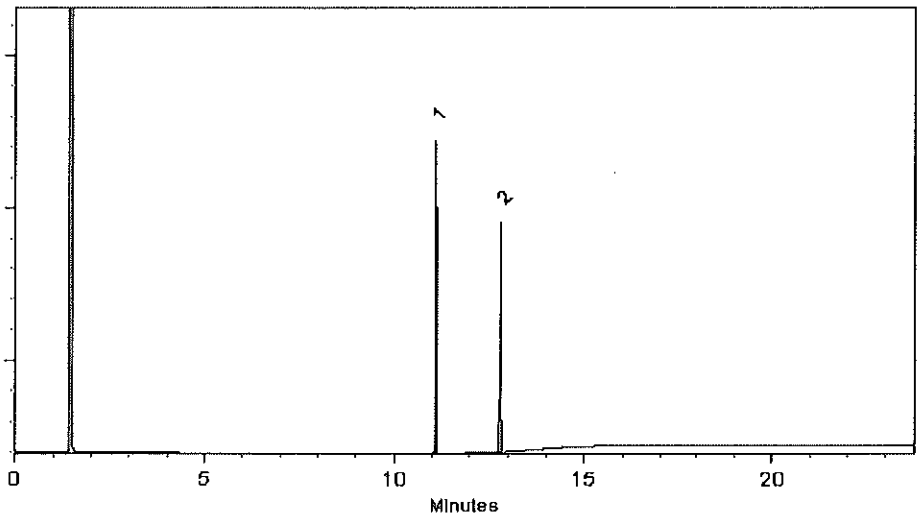
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-May-2024 **Balance Serial #** 1122030677

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 07-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

C:\CPData\CP38\Data\38scrn2430100 2B.001.RAW
410-192912-A-3-A
Response - MIIIiVolts (span=74034)
0
10000
20000
30000
40000
50000
60000
Time - Minutes (span=7.0)
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
7.02
5.14
4.70
2.76
2.67

Reagent

OP_RES_LCS2_00014

ORRES-LCS2-00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0224695

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Component	CAS #	Lot #	Purity	Grav. Conc. (gravimetrical)	Expanded Uncertainty* (gravimetrical)
1	Benzidine	92-87-5	S250227ECS	99%	2,009.0 µg/mL	+/- 37.1177
2	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	2,002.4 µg/mL	+/- 36.9961

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

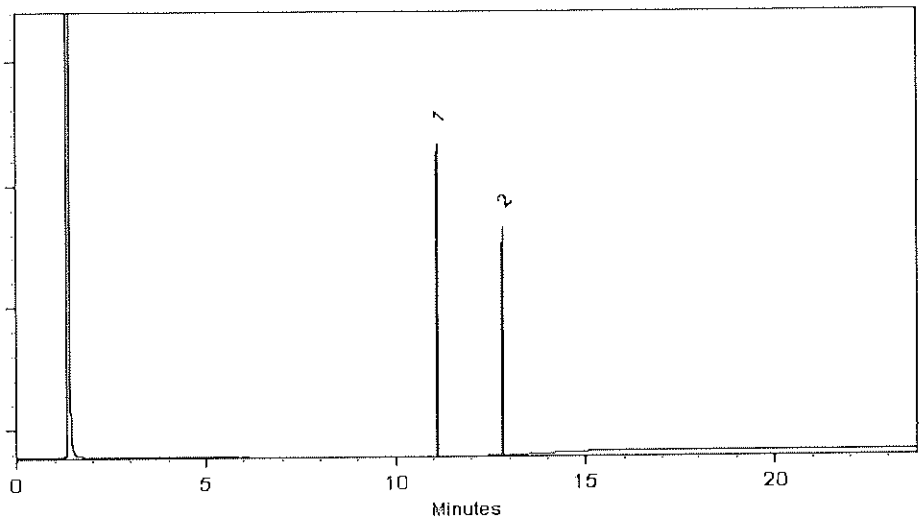
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician Date Mixed: 16-Apr-2025 Balance Serial # C322230531

Jennifer Pollino - Operations Tech III - ARM QC Date Passed: 18-Apr-2025

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

OP_RES_LCS3_00011

OR-RES-LCS3-00010

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0203783

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,005.7 µg/mL	+/- 112.6725
2	Benzoic acid	65-85-0	MKCR2694	99%	2,003.1 µg/mL	+/- 112.5297

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Reagent

OP_RES_LCSadd_00004

OP_RES_LCSadd-00004

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name:	Custom Org Std - 10 at 2000 ug/mL (5mL)	**Lot Number:**	0006819172
Product Number:	CUS-00007657	**Lot Issue Date:**	15-Oct-2024
Storage Conditions:	Store Refrigerated (2° to 8°C).	**Expiration Date:**	30-Nov-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte No.
diphenyl ether	2009	±	10 µg/mL	000101-84-8	NT01385
n-eicosane	2004	±	10 µg/mL	000112-95-8	RM04169
octachlorostyrene	2000	±	10 µg/mL	029082-74-4	RM02807
2,3-dichloroaniline	2002	±	10 µg/mL	000608-27-5	NT02176
n-tetradecane	2010	±	10 µg/mL	000629-59-4	RM12275
n-docosane	2001	±	10 µg/mL	000629-97-0	RM22455
1-methylphenanthrene	2002	±	10 µg/mL	000832-69-9	RM22766
alpha-terpineol	2003	±	10 µg/mL	000098-55-5	RM22657
alpha-methylstyrene	2004	±	10 µg/mL	000098-83-9	RM17948
N,N-dimethylformamide	2003	±	10 µg/mL	000068-12-2	RM06866

Matrix: methylene chloride (Burdick and Jackson)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Sample Container Check Report

Client: TRC, Engineers, Inc.
Job ID: 410-234898-2
Project/Site: RFAAP, Radford HWMU16

Sample Container Checks and Verifications

Lab Sample ID: 410-234898-10
Client Sample ID: 16WC2B

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
D	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:52	<2	<2	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-11
Client Sample ID: 16SPRING

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
D	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:54	<2	<2	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-7
Client Sample ID: 16-2

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
D	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:46	<2	<2	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-8
Client Sample ID: 16-3

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
D	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:48	<2	<2	N/A	N/A	N/A	N/A	N/A

Lab Sample ID: 410-234898-9
Client Sample ID: 16-5

Bottle Code	Check Performed	By Employee	Date	Check Result	Expected Result	Adjusted Date	Reagent Lot #	Reagent Expires	Re-check Result	Re-check Date
D	pH Check, 24hr Adjustment Confirmation Required	USWF	08/02/2025 21:49	<2	<2	N/A	N/A	N/A	N/A	N/A

Method 8260D Low Level

Volatile Organic Compounds (GC/MS) by Method 8260D Low Level

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
16-2	410-234898-7	111	109	94	92
16-3	410-234898-8	112	111	94	92
16-5	410-234898-9	112	110	93	92
16WC2B	410-234898-10	113	110	93	91
16SPRING	410-234898-11	112	110	93	90
	MB 410-681517/8	109	106	92	91
	LCS 410-681517/5	106	107	96	101
	LCS 410-681517/6	106	106	95	93

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	80-120
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene (Surr)	80-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X04.D

Lab ID: LCS 410-681517/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	5.00	4.97	99	78-126	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.00	4.89	98	67-124	
1,1-Dichloroethane	5.00	5.08	102	74-120	
1,1-Dichloroethene	5.00	5.07	101	80-131	
2-Butanone	62.5	66.7	107	59-141	
Benzene	5.00	4.92	98	80-120	
Carbon tetrachloride	5.00	5.09	102	64-141	
Chloroethane	5.00	5.56	111	63-120	
Chloromethane	5.00	4.51	90	56-124	
Dichlorodifluoromethane	5.00	4.56	91	43-123	
Diethyl ether	4.96	4.68 J	94	54-127	
Ethylbenzene	5.00	4.54	91	80-120	
Methylene Chloride	5.00	5.14	103	80-120	
Tetrachloroethene	5.00	4.65	93	80-120	
Tetrahydrofuran	25.0	25.7	103	67-137	
Toluene	5.00	4.55	91	80-120	
Trichloroethene	5.00	4.81	96	80-120	
Trichlorofluoromethane	5.00	5.44	109	53-136	
Vinyl chloride	5.00	4.72	94	60-125	
Xylenes, Total	15.0	13.8	92	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Matrix: Water Level: Low Lab File ID: CG06X05.D

Lab ID: LCS 410-681517/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dimethyl ether	5.00	4.03 J	81	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: CG06X07.D Lab Sample ID: MB 410-681517/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: 10193 Date Analyzed: 08/06/2025 12:21

GC Column: R-624SilMS 30m ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-681517/5	CG06X04.D	08/06/2025 11:14
	LCS 410-681517/6	CG06X05.D	08/06/2025 11:36
16-2	410-234898-7	CG06X19.D	08/06/2025 17:21
16-3	410-234898-8	CG06X20.D	08/06/2025 17:43
16-5	410-234898-9	CG06X21.D	08/06/2025 18:06
16WC2B	410-234898-10	CG06X22.D	08/06/2025 18:28
16SPRING	410-234898-11	CG06X23.D	08/06/2025 18:50

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: CU04T01.D BFB Injection Date: 06/04/2025

Instrument ID: 10193 BFB Injection Time: 16:26

Analysis Batch No.: 652703

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.1	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.7	(0.9) 1
174	Greater than 50% of mass 95	83.1	
175	5.0 - 9.0 % of mass 174	6.1	(7.3) 1
176	95.0 - 101.0 % of mass 174	80.3	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-652703/3	CU04X02.D	06/04/2025	17:23
	IC 410-652703/4	CU04X03.D	06/04/2025	17:46
	IC 410-652703/5	CU04X04.D	06/04/2025	18:08
	IC 410-652703/6	CU04X05.D	06/04/2025	18:30
	IC 410-652703/7	CU04X06.D	06/04/2025	18:53
	IC 410-652703/8	CU04X07.D	06/04/2025	19:15
	IC 410-652703/9	CU04X08.D	06/04/2025	19:37
	ICV 410-652703/11	CU04X10.D	06/04/2025	20:22
	IC 410-652703/13	CU04X12.D	06/04/2025	21:06
	IC 410-652703/14	CU04X13.D	06/04/2025	21:28
	IC 410-652703/15	CU04X14.D	06/04/2025	21:51
	IC 410-652703/16	CU04X15.D	06/04/2025	22:13
	IC 410-652703/17	CU04X16.D	06/04/2025	22:35
	ICIS 410-652703/18	CU04X17.D	06/04/2025	22:57
	IC 410-652703/19	CU04X18.D	06/04/2025	23:20
	ICV 410-652703/21	CU04X20.D	06/05/2025	0:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: CG06T01.D BFB Injection Date: 08/06/2025

Instrument ID: 10193 BFB Injection Time: 09:52

Analysis Batch No.: 681517

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	46.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	1.0	(1.2) 1
174	Greater than 50% of mass 95	83.9	
175	5.0 - 9.0 % of mass 174	6.2	(7.3) 1
176	95.0 - 101.0 % of mass 174	81.0	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-681517/3	CG06X02.D	08/06/2025	10:29
	CCV 410-681517/4	CG06X03.D	08/06/2025	10:52
	LCS 410-681517/5	CG06X04.D	08/06/2025	11:14
	LCS 410-681517/6	CG06X05.D	08/06/2025	11:36
	MB 410-681517/8	CG06X07.D	08/06/2025	12:21
16-2	410-234898-7	CG06X19.D	08/06/2025	17:21
16-3	410-234898-8	CG06X20.D	08/06/2025	17:43
16-5	410-234898-9	CG06X21.D	08/06/2025	18:06
16WC2B	410-234898-10	CG06X22.D	08/06/2025	18:28
16SPRING	410-234898-11	CG06X23.D	08/06/2025	18:50

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-652703/18 Date Analyzed: 06/04/2025 22:57

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CU04X17.D Heated Purge: (Y/N) N

Calibration ID: 73332

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		195687	3.67	2356745	7.15	1784969	10.82
UPPER LIMIT		391374	4.17	4713490	7.65	3569938	11.32
LOWER LIMIT		97844	3.17	1178373	6.65	892485	10.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-652703/11		182175	3.68	2276581	7.15	1732682	10.82
ICV 410-652703/21		193355	3.67	2350088	7.15	1777198	10.82
CCVIS 410-681517/3		141694	3.64	1897252	7.13	1552204	10.80

TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-652703/18 Date Analyzed: 06/04/2025 22:57

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CU04X17.D Heated Purge: (Y/N) N

Calibration ID: 73332

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		997762	12.77				
UPPER LIMIT		1995524	13.27				
LOWER LIMIT		498881	12.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-652703/11		926446	12.77				
ICV 410-652703/21		975535	12.77				
CCVIS 410-681517/3		917750	12.76				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: CCVIS 410-681517/3 Date Analyzed: 08/06/2025 10:29

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CG06X02.D Heated Purge: (Y/N) N

Calibration ID: 73332

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		141694	3.64	1897252	7.13	1552204	10.80
UPPER LIMIT		283388	4.14	3794504	7.63	3104408	11.30
LOWER LIMIT		70847	3.14	948626	6.63	776102	10.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-681517/5		144557	3.65	1862652	7.12	1518957	10.80
MB 410-681517/8		124331	3.66	1695685	7.13	1411558	10.80
410-234898-7	16-2	109412	3.66	1613102	7.13	1350876	10.80
410-234898-8	16-3	120772	3.65	1594756	7.12	1349687	10.80
410-234898-9	16-5	117894	3.66	1590949	7.12	1345306	10.80
410-234898-10	16WC2B	122355	3.66	1613170	7.13	1374236	10.80
410-234898-11	16SPRING	105794	3.66	1624994	7.13	1366333	10.80

TBAd10 = t-Butyl alcohol-d10 (IS)
TBAd10 = t-Butyl alcohol-d10 (IS)
FB = Fluorobenzene (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: CCVIS 410-681517/3 Date Analyzed: 08/06/2025 10:29

Instrument ID: 10193 GC Column: R-624SilMS 30m ID: 0.25(mm)

Lab File ID (Standard): CG06X02.D Heated Purge: (Y/N) N

Calibration ID: 73332

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		917750	12.76				
UPPER LIMIT		1835500	13.26				
LOWER LIMIT		458875	12.26				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-681517/5		881832	12.76				
MB 410-681517/8		753123	12.77				
410-234898-7	16-2	720069	12.77				
410-234898-8	16-3	717784	12.77				
410-234898-9	16-5	721491	12.77				
410-234898-10	16WC2B	747824	12.77				
410-234898-11	16SPRING	736080	12.77				

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16-2
Lab Sample ID: 410-234898-7

Matrix: Water
Lab File ID: CG06X19.D

Analysis Method: 8260D
Date Collected: 07/29/2025 10:40

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 17:21

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	
75-34-3	1,1-Dichloroethane	ND		1.0	
75-35-4	1,1-Dichloroethene	ND		1.0	
78-93-3	2-Butanone	ND	cn	10	
71-43-2	Benzene	ND		1.0	
56-23-5	Carbon tetrachloride	ND		1.0	
75-00-3	Chloroethane	ND		1.0	
74-87-3	Chloromethane	ND		1.0	
75-71-8	Dichlorodifluoromethane	ND		1.0	
60-29-7	Diethyl ether	ND		10	
100-41-4	Ethylbenzene	ND		1.0	
75-09-2	Methylene Chloride	ND		1.0	
127-18-4	Tetrachloroethene	ND		1.0	
109-99-9	Tetrahydrofuran	ND	cn	25	
108-88-3	Toluene	ND		1.0	
79-01-6	Trichloroethene	ND		1.0	
75-69-4	Trichlorofluoromethane	ND		1.0	
75-01-4	Vinyl chloride	ND		1.0	
1330-20-7	Xylenes, Total	ND		3.0	
115-10-6	Dimethyl ether	ND		10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	111		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X19.D
Lims ID: 410-234898-A-7
Client ID: 16-2
Sample Type: Client
Inject. Date: 06-Aug-2025 17:21:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-020
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:12:37 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:14:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45		1.805				ND	
5 Chloromethane	50	1.927	1.927	0.000	94	2618	0.0420	
6 Vinyl chloride	62		2.031				ND	
10 Chloroethane	64		2.360				ND	
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59		2.805				ND	
18 1,1-Dichloroethene	96		3.073				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
30 Methylene Chloride	84		3.640				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.658	3.640	0.018	91	109412	50.0	
37 1,1-Dichloroethane	63	4.628	4.634	-0.006	95	6666	0.0864	
42 2-Butanone (MEK)	43		5.463				ND	7
49 Tetrahydrofuran	71		5.835				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	423222	11.1	
56 Carbon tetrachloride	117		6.426				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	85255	10.9	
60 Benzene	78		6.700				ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1613102	10.0	
68 Trichloroethene	95		7.615				ND	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1666680	9.39	
84 Toluene	92		9.316				ND	7
88 Tetrachloroethene	166		9.913				ND	7
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1350876	10.0	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	613302	9.15	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	720069	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

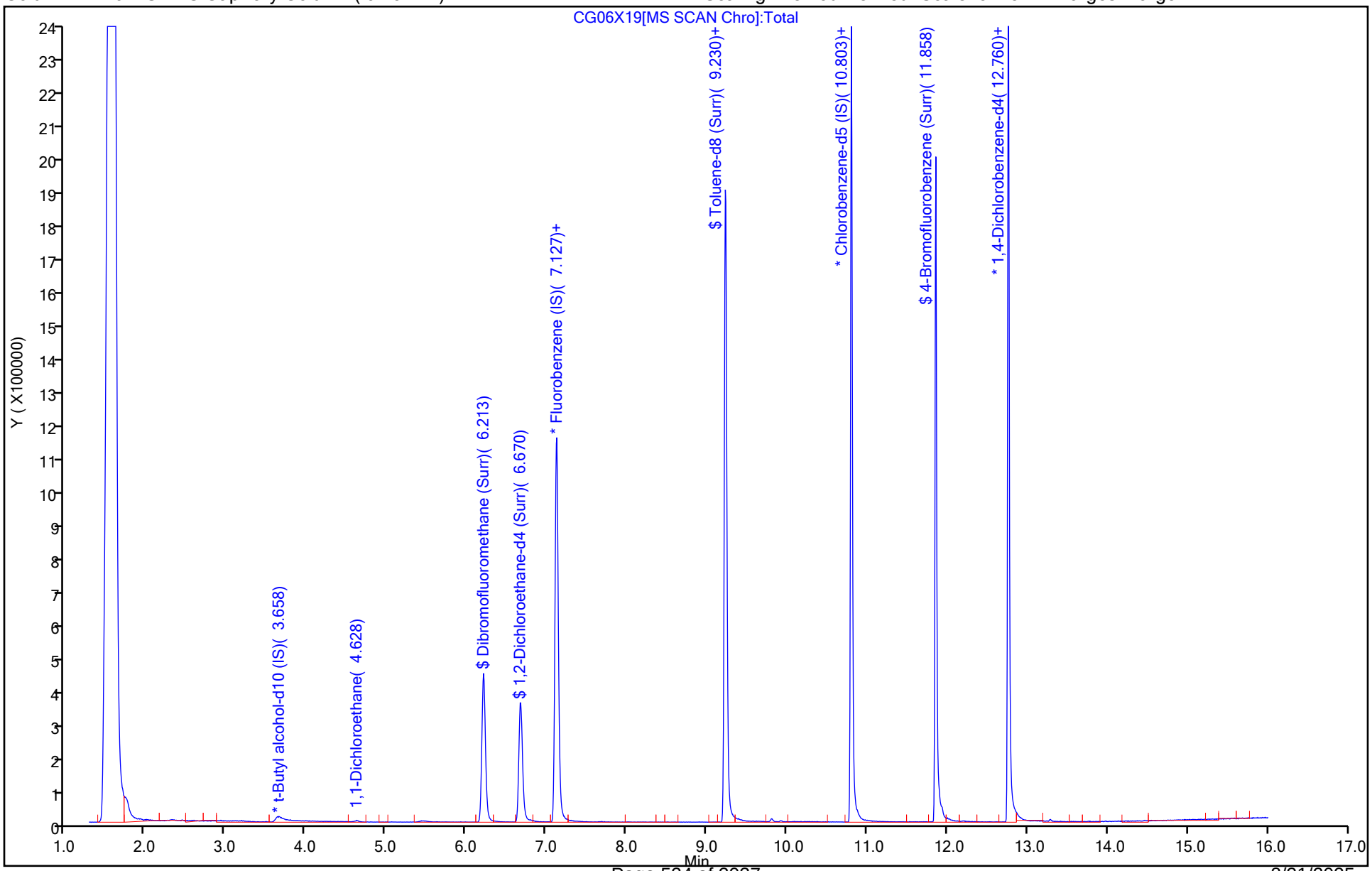
Report Date: 07-Aug-2025 09:14:06 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X19.D

Injection Date:	06-Aug-2025 17:21:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-A-7	Lab Sample ID:	410-234898-7	Worklist Smp#:	20
Client ID:	16-2				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X19.D
Lims ID: 410-234898-A-7
Client ID: 16-2
Sample Type: Client
Inject. Date: 06-Aug-2025 17:21:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-020
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:12:37 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:14:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.1	111.18
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.9	108.53
$ 83 Toluene-d8 (Surr)	10.0	9.39	93.94
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.15	91.54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16-3 Lab Sample ID: 410-234898-8

Matrix: Water Lab File ID: CG06X20.D

Analysis Method: 8260D Date Collected: 07/29/2025 12:35

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 17:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	
75-34-3	1,1-Dichloroethane	ND		1.0	
75-35-4	1,1-Dichloroethene	ND		1.0	
78-93-3	2-Butanone	ND	cn	10	
71-43-2	Benzene	ND		1.0	
56-23-5	Carbon tetrachloride	ND		1.0	
75-00-3	Chloroethane	ND		1.0	
74-87-3	Chloromethane	ND		1.0	
75-71-8	Dichlorodifluoromethane	ND		1.0	
60-29-7	Diethyl ether	ND		10	
100-41-4	Ethylbenzene	ND		1.0	
75-09-2	Methylene Chloride	ND		1.0	
127-18-4	Tetrachloroethene	ND		1.0	
109-99-9	Tetrahydrofuran	ND	cn	25	
108-88-3	Toluene	ND		1.0	
79-01-6	Trichloroethene	ND		1.0	
75-69-4	Trichlorofluoromethane	ND		1.0	
75-01-4	Vinyl chloride	ND		1.0	
1330-20-7	Xylenes, Total	ND		3.0	
115-10-6	Dimethyl ether	ND		10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		80-120
2037-26-5	Toluene-d8 (Surr)	94		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X20.D
Lims ID: 410-234898-A-8
Client ID: 16-3
Sample Type: Client
Inject. Date: 06-Aug-2025 17:43:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-021
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:12:37 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:13:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.744	1.750	-0.006	98	11686	0.2251	
4 Dimethyl ether	45		1.805				ND	7
5 Chloromethane	50		1.927				ND	
6 Vinyl chloride	62		2.031				ND	
10 Chloroethane	64		2.360				ND	
12 Trichlorofluoromethane	101	2.652	2.658	-0.006	18	3740	0.0543	
14 Ethyl ether	59		2.805				ND	
18 1,1-Dichloroethene	96		3.073				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
30 Methylene Chloride	84		3.640				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.652	3.640	0.012	95	120772	50.0	
37 1,1-Dichloroethane	63		4.634				ND	
42 2-Butanone (MEK)	43		5.463				ND	
49 Tetrahydrofuran	71		5.835				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	421471	11.2	
56 Carbon tetrachloride	117		6.426				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	98	85897	11.1	
60 Benzene	78		6.700				ND	
* 65 Fluorobenzene (IS)	96	7.121	7.127	-0.006	99	1594756	10.0	
68 Trichloroethene	95		7.615				ND	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1674451	9.45	
84 Toluene	92		9.316				ND	
88 Tetrachloroethene	166		9.913				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1349687	10.0	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	614042	9.17	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	717784	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

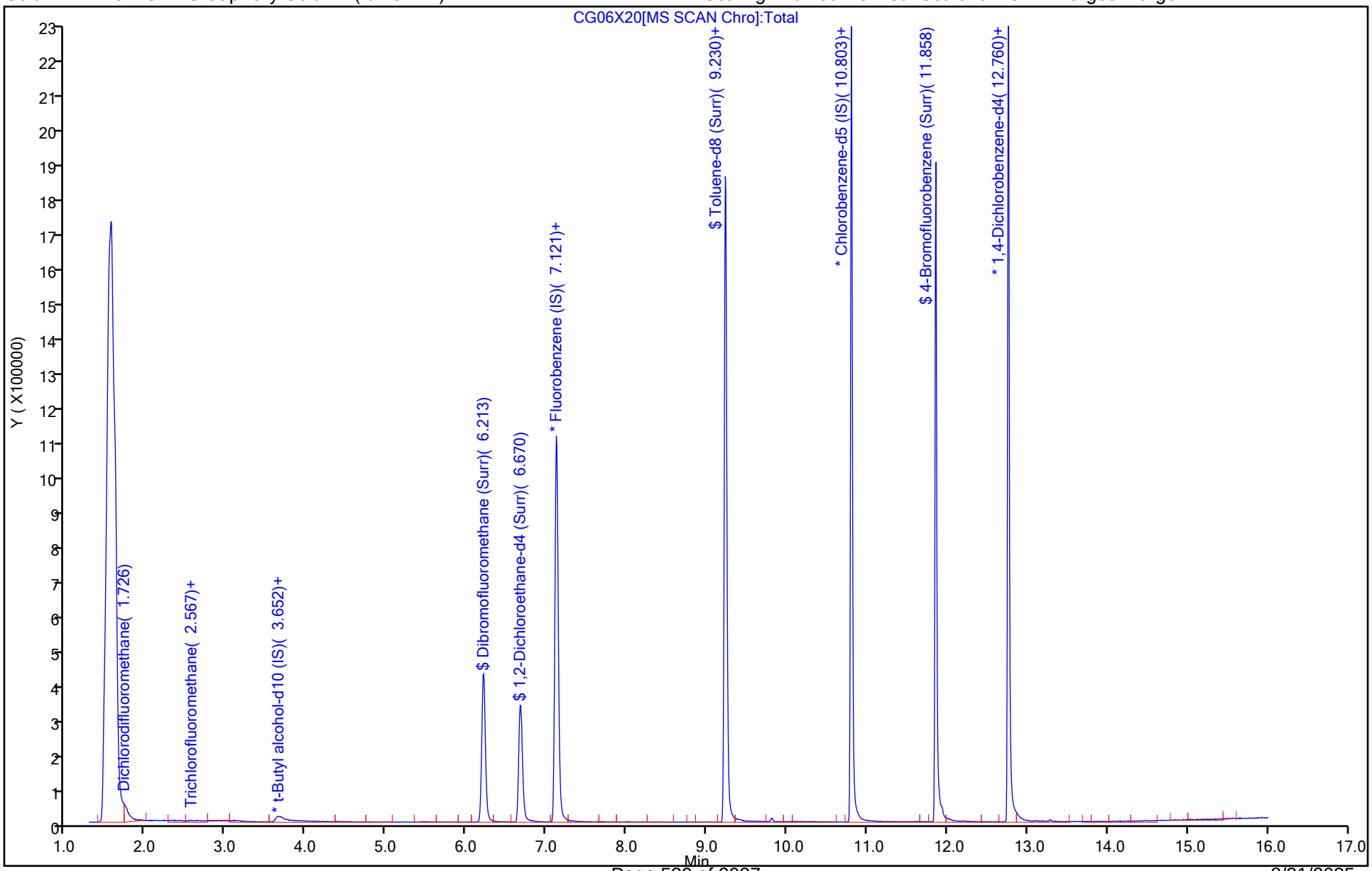
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Aug-2025 09:13:38 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X20.D				
Injection Date:	06-Aug-2025 17:43:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-A-8	Lab Sample ID:	410-234898-8	Worklist Smp#:	21
Client ID:	16-3				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X20.D				
Lims ID:	410-234898-A-8				
Client ID:	16-3				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 17:43:30	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-021				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:12:37	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:13:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	112.00
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.1	110.61
$ 83 Toluene-d8 (Surr)	10.0	9.45	94.46
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.17	91.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16-5 Lab Sample ID: 410-234898-9

Matrix: Water Lab File ID: CG06X21.D

Analysis Method: 8260D Date Collected: 07/29/2025 08:55

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 18:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	
75-34-3	1,1-Dichloroethane	ND		1.0	
75-35-4	1,1-Dichloroethene	ND		1.0	
78-93-3	2-Butanone	ND	cn	10	
71-43-2	Benzene	ND		1.0	
56-23-5	Carbon tetrachloride	ND		1.0	
75-00-3	Chloroethane	ND		1.0	
74-87-3	Chloromethane	ND		1.0	
75-71-8	Dichlorodifluoromethane	ND		1.0	
60-29-7	Diethyl ether	ND		10	
100-41-4	Ethylbenzene	ND		1.0	
75-09-2	Methylene Chloride	ND		1.0	
127-18-4	Tetrachloroethene	ND		1.0	
109-99-9	Tetrahydrofuran	ND	cn	25	
108-88-3	Toluene	ND		1.0	
79-01-6	Trichloroethene	ND		1.0	
75-69-4	Trichlorofluoromethane	ND		1.0	
75-01-4	Vinyl chloride	ND		1.0	
1330-20-7	Xylenes, Total	ND		3.0	
115-10-6	Dimethyl ether	ND		10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X21.D
Lims ID: 410-234898-A-9
Client ID: 16-5
Sample Type: Client
Inject. Date: 06-Aug-2025 18:06:30 ALS Bottle#: 21 Worklist Smp#: 22
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-022
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:12:37 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:12:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45		1.805				ND	
5 Chloromethane	50	1.927	1.927	0.000	95	2545	0.0414	
6 Vinyl chloride	62		2.031				ND	
10 Chloroethane	64		2.360				ND	
12 Trichlorofluoromethane	101		2.658				ND	7
14 Ethyl ether	59		2.805				ND	
18 1,1-Dichloroethene	96		3.073				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
30 Methylene Chloride	84		3.640				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.658	3.640	0.018	95	117894	50.0	
37 1,1-Dichloroethane	63	4.640	4.634	0.006	1	2263	0.0298	
42 2-Butanone (MEK)	43		5.463				ND	
49 Tetrahydrofuran	71		5.835				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	93	420495	11.2	
56 Carbon tetrachloride	117		6.426				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.670	6.676	-0.006	99	85418	11.0	
60 Benzene	78		6.700				ND	
* 65 Fluorobenzene (IS)	96	7.121	7.127	-0.006	99	1590949	10.0	
68 Trichloroethene	95		7.615				ND	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	93	1650365	9.34	
84 Toluene	92		9.316				ND	7
88 Tetrachloroethene	166		9.913				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1345306	10.0	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	612694	9.18	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	721491	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

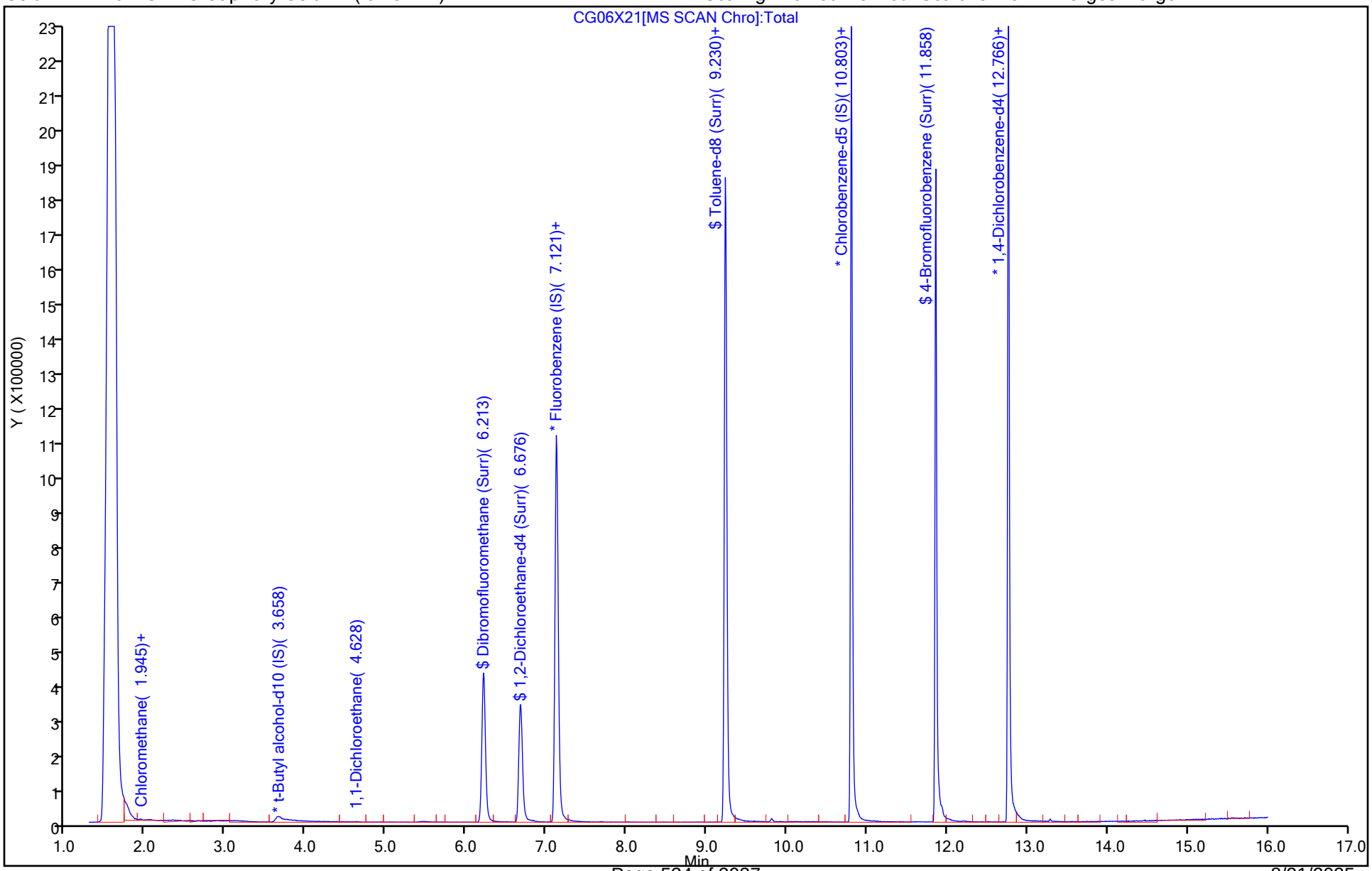
Report Date: 07-Aug-2025 09:13:00 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X21.D

Injection Date:	06-Aug-2025 18:06:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-A-9	Lab Sample ID:	410-234898-9	Worklist Smp#:	22
Client ID:	16-5				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X21.D				
Lims ID:	410-234898-A-9				
Client ID:	16-5				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 18:06:30	ALS Bottle#:	21	Worklist Smp#:	22
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-022				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:12:37	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:12:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	112.00
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	110.25
$ 83 Toluene-d8 (Surr)	10.0	9.34	93.40
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.18	91.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16WC2B
Lab Sample ID: 410-234898-10

Matrix: Water
Lab File ID: CG06X22.D

Analysis Method: 8260D
Date Collected: 07/29/2025 09:55

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 18:28

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	
75-34-3	1,1-Dichloroethane	ND		1.0	
75-35-4	1,1-Dichloroethene	ND		1.0	
78-93-3	2-Butanone	ND	cn	10	
71-43-2	Benzene	ND		1.0	
56-23-5	Carbon tetrachloride	ND		1.0	
75-00-3	Chloroethane	ND		1.0	
74-87-3	Chloromethane	ND		1.0	
75-71-8	Dichlorodifluoromethane	ND		1.0	
60-29-7	Diethyl ether	ND		10	
100-41-4	Ethylbenzene	ND		1.0	
75-09-2	Methylene Chloride	ND		1.0	
127-18-4	Tetrachloroethene	ND		1.0	
109-99-9	Tetrahydrofuran	ND	cn	25	
108-88-3	Toluene	ND		1.0	
79-01-6	Trichloroethene	ND		1.0	
75-69-4	Trichlorofluoromethane	ND		1.0	
75-01-4	Vinyl chloride	ND		1.0	
1330-20-7	Xylenes, Total	ND		3.0	
115-10-6	Dimethyl ether	ND		10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	113		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X22.D
Lims ID: 410-234898-A-10
Client ID: 16WC2B
Sample Type: Client
Inject. Date: 06-Aug-2025 18:28:30 ALS Bottle#: 22 Worklist Smp#: 23
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-023
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:12:37 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:12:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45		1.805				ND	7
5 Chloromethane	50	1.927	1.927	0.000	94	2317	0.0372	
6 Vinyl chloride	62		2.031				ND	
10 Chloroethane	64		2.360				ND	
12 Trichlorofluoromethane	101		2.658				ND	
14 Ethyl ether	59		2.805				ND	7
18 1,1-Dichloroethene	96		3.073				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
30 Methylene Chloride	84		3.640				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.640	0.024	94	122355	50.0	
37 1,1-Dichloroethane	63		4.634				ND	
42 2-Butanone (MEK)	43		5.463				ND	
49 Tetrahydrofuran	71		5.835				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	U
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	428811	11.3	
56 Carbon tetrachloride	117		6.426				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	98	86450	11.0	
60 Benzene	78		6.700				ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1613170	10.0	
68 Trichloroethene	95		7.615				ND	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1674733	9.28	
84 Toluene	92		9.316				ND	7
88 Tetrachloroethene	166		9.913				ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1374236	10.0	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	7
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	622388	9.13	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	747824	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

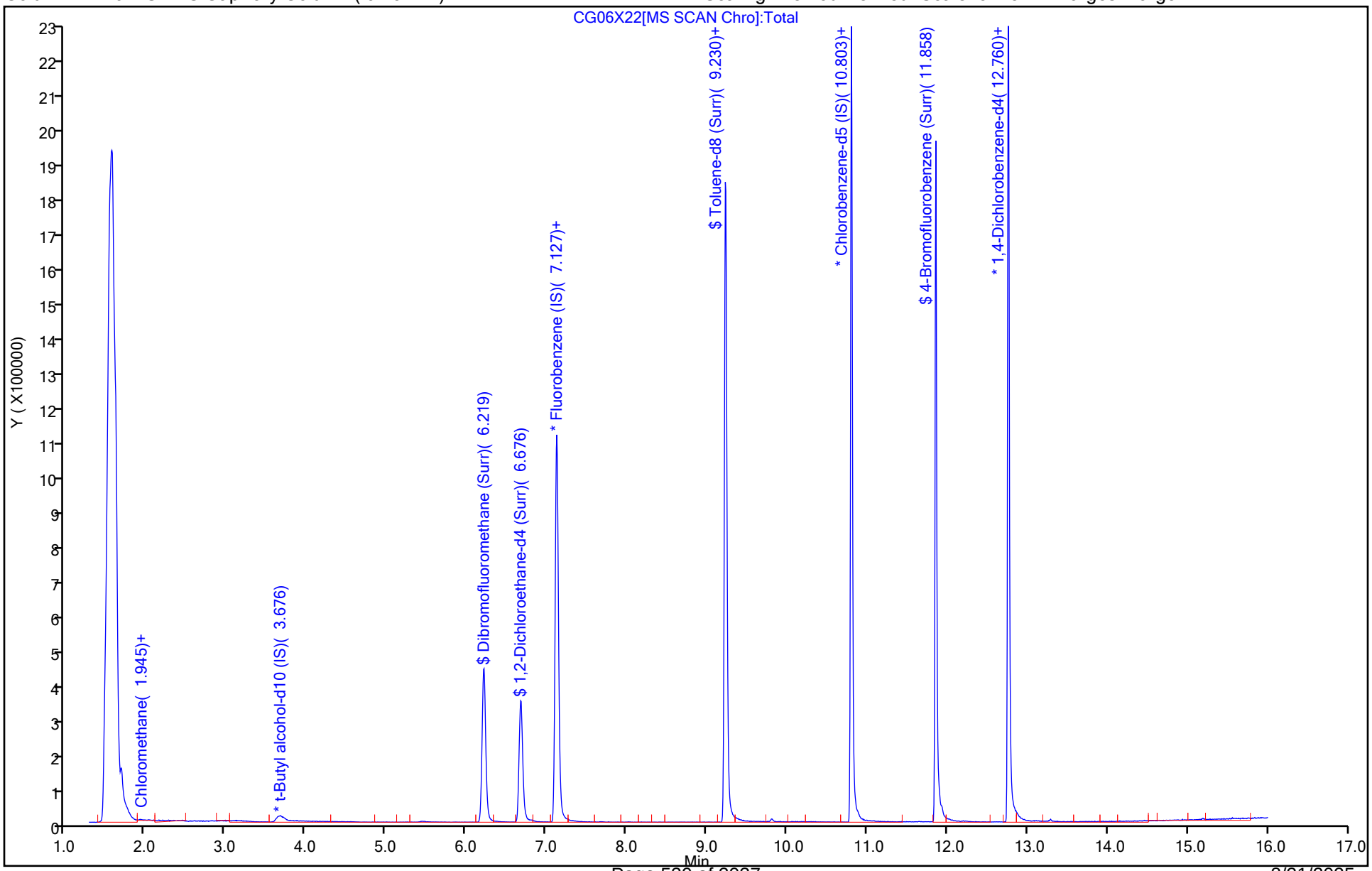
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Aug-2025 09:12:38 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X22.D				
Injection Date:	06-Aug-2025 18:28:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-A-10	Lab Sample ID:	410-234898-10	Worklist Smp#:	23
Client ID:	16WC2B				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X22.D				
Lims ID:	410-234898-A-10				
Client ID:	16WC2B				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 18:28:30	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-023				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:12:37	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:12:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.3	112.65
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	110.05
$ 83 Toluene-d8 (Surr)	10.0	9.28	92.79
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.13	91.32

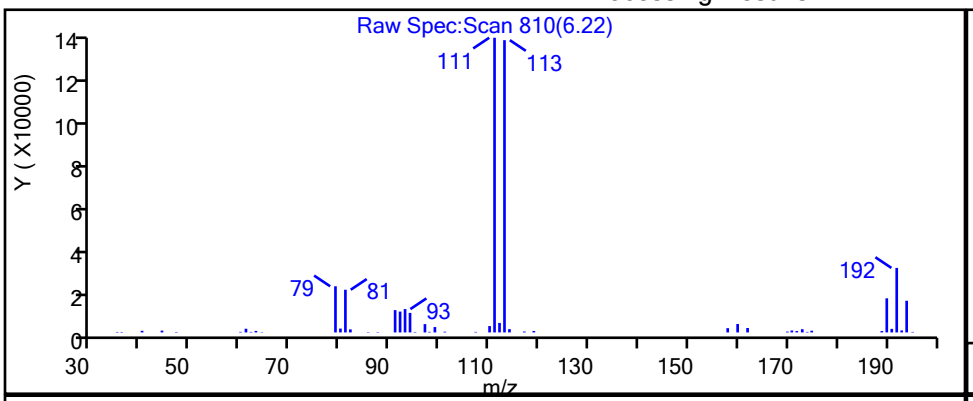
User Disabled Compound Report

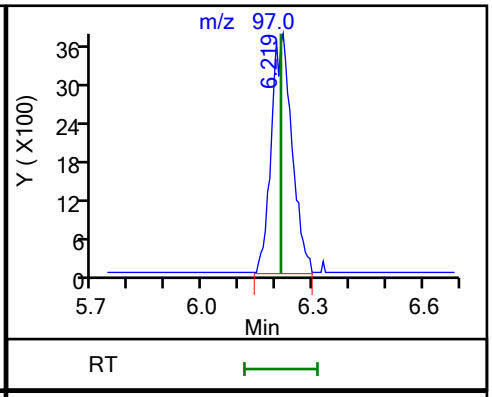
Eurofins Lancaster Laboratories Environment Testing, LLC

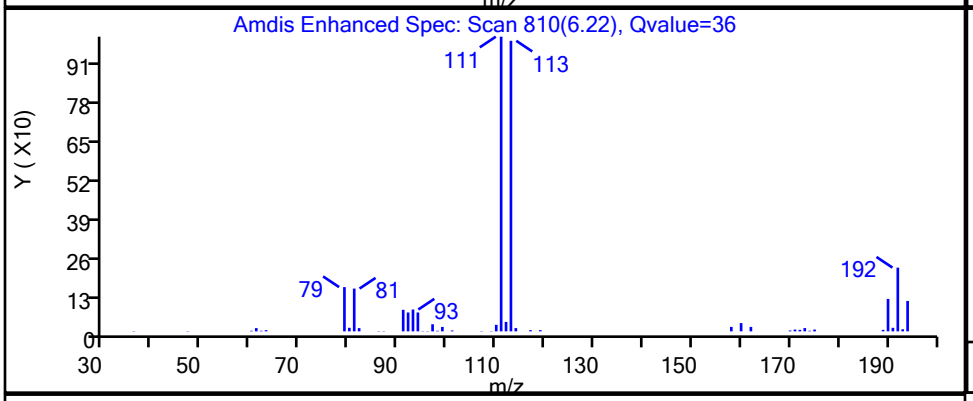
Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X22.D				
Injection Date:	06-Aug-2025 18:28:30	Instrument ID:	10193		
Lims ID:	410-234898-A-10	Lab Sample ID:	410-234898-10		
Client ID:	16WC2B				
Operator ID:	ecr105096	ALS Bottle#:	22	Worklist Smp#:	23
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

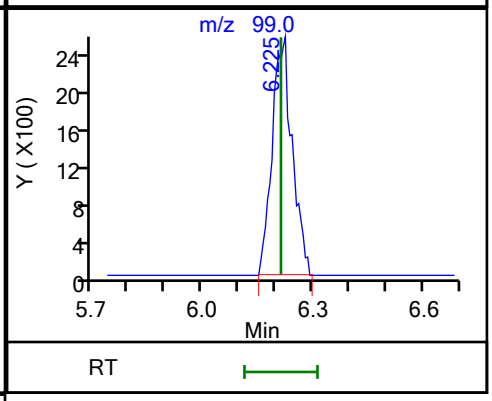
53 1,1,1-Trichloroethane, CAS: 71-55-6

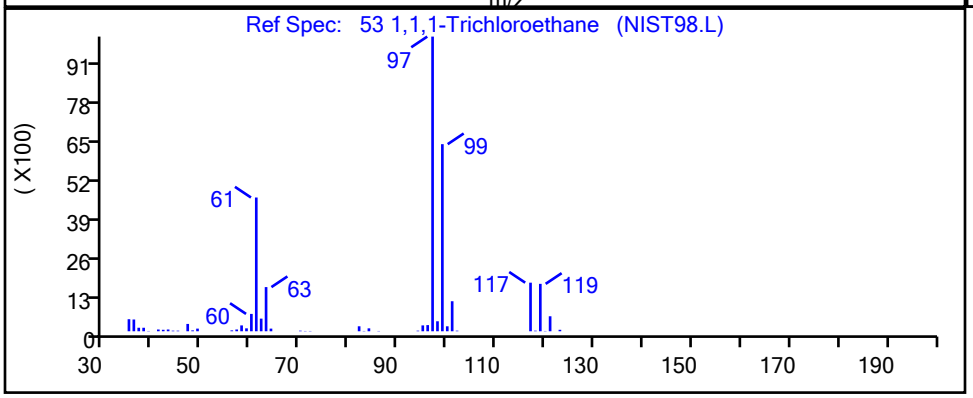
Processing Results











RT	Mass	Response	Amount
6.22	97.00	14673	0.213948
6.22	99.00	9693	

Reviewer: FQ4L, 07-Aug-2025 09:12:29 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16SPRING
Lab Sample ID: 410-234898-11

Matrix: Water
Lab File ID: CG06X23.D

Analysis Method: 8260D
Date Collected: 07/29/2025 09:10

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 18:50

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	
75-34-3	1,1-Dichloroethane	ND		1.0	
75-35-4	1,1-Dichloroethene	ND		1.0	
78-93-3	2-Butanone	ND	cn	10	
71-43-2	Benzene	ND		1.0	
56-23-5	Carbon tetrachloride	ND		1.0	
75-00-3	Chloroethane	ND		1.0	
74-87-3	Chloromethane	ND		1.0	
75-71-8	Dichlorodifluoromethane	ND		1.0	
60-29-7	Diethyl ether	ND		10	
100-41-4	Ethylbenzene	ND		1.0	
75-09-2	Methylene Chloride	ND		1.0	
127-18-4	Tetrachloroethene	ND		1.0	
109-99-9	Tetrahydrofuran	ND	cn	25	
108-88-3	Toluene	ND		1.0	
79-01-6	Trichloroethene	ND		1.0	
75-69-4	Trichlorofluoromethane	ND		1.0	
75-01-4	Vinyl chloride	ND		1.0	
1330-20-7	Xylenes, Total	ND		3.0	
115-10-6	Dimethyl ether	ND		10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	90		80-120
1868-53-7	Dibromofluoromethane (Surr)	112		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		80-120
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X23.D
Lims ID: 410-234898-A-11
Client ID: 16SPRING
Sample Type: Client
Inject. Date: 06-Aug-2025 18:50:30 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-024
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 07-Aug-2025 09:11:38 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1682

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:12:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85		1.750				ND	
4 Dimethyl ether	45		1.805				ND	7
5 Chloromethane	50		1.927				ND	
6 Vinyl chloride	62		2.031				ND	
10 Chloroethane	64		2.360				ND	7
12 Trichlorofluoromethane	101		2.658				ND	7
14 Ethyl ether	59	2.817	2.805	0.012	19	1564	0.0468	
18 1,1-Dichloroethene	96		3.073				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128				ND	
30 Methylene Chloride	84		3.640				ND	
* 31 t-Butyl alcohol-d10 (IS)	65	3.658	3.640	0.018	92	105794	50.0	
37 1,1-Dichloroethane	63	4.640	4.634	0.006	95	13833	0.1781	
42 2-Butanone (MEK)	43		5.463				ND	7
49 Tetrahydrofuran	71		5.835				ND	
53 1,1,1-Trichloroethane	97		6.213				ND	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	427963	11.2	
56 Carbon tetrachloride	117		6.426				ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	98	87213	11.0	
60 Benzene	78		6.700				ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1624994	10.0	
68 Trichloroethene	95		7.615				ND	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1664057	9.27	
84 Toluene	92		9.316				ND	7
88 Tetrachloroethene	166		9.913				ND	7
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1366333	10.0	
115 Ethylbenzene	91		10.925				ND	
116 m-Xylene & p-Xylene	106		11.053				ND	
S 117 Xylenes, Total	106		11.245				ND	7
118 o-Xylene	106		11.395				ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	612448	9.04	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	736080	10.0	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

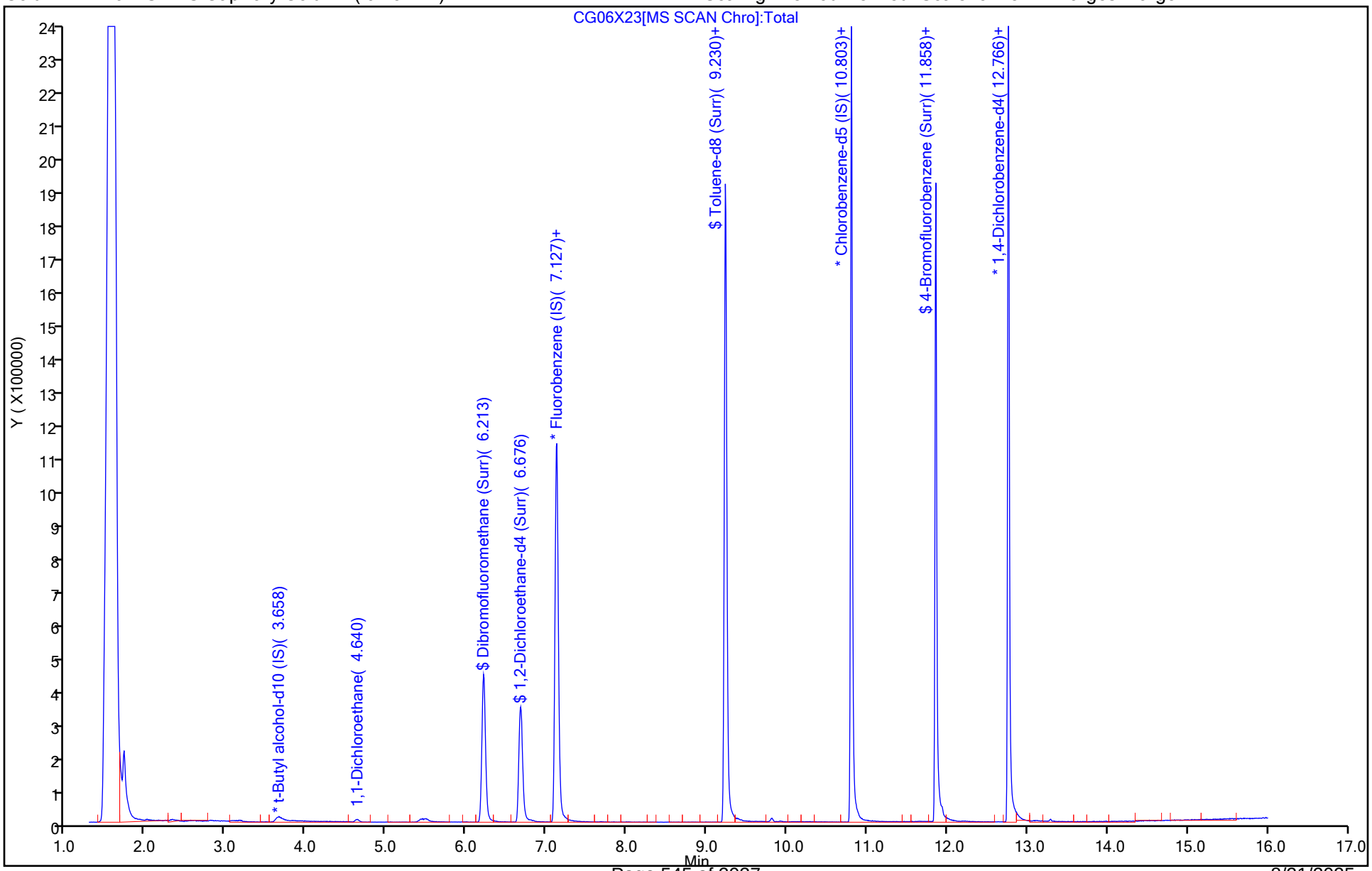
Report Date: 07-Aug-2025 09:12:12 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X23.D

Injection Date:	06-Aug-2025 18:50:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	410-234898-A-11	Lab Sample ID:	410-234898-11	Worklist Smp#:	24
Client ID:	16SPRING				
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X23.D				
Lims ID:	410-234898-A-11				
Client ID:	16SPRING				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 18:50:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-024				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	07-Aug-2025 09:11:38	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1682				

First Level Reviewer: FQ4L Date: 07-Aug-2025 09:12:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	11.2	111.61
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	11.0	110.21
$ 83 Toluene-d8 (Surr)	10.0	9.27	92.73
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.04	90.38

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 17:23 Calibration End Date: 06/04/2025 19:37 Calibration ID: 73329

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/3	CU04X02.D
Level 2	IC 410-652703/4	CU04X03.D
Level 3	IC 410-652703/5	CU04X04.D
Level 4	IC 410-652703/6	CU04X05.D
Level 5	IC 410-652703/7	CU04X06.D
Level 6	IC 410-652703/8	CU04X07.D
Level 7	IC 410-652703/9	CU04X08.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodifluoromethane	0.4232 0.3835	0.3935 0.4025	0.4074	0.3890	0.3752	Ave		0.3963				4.1		20.0			
Dimethyl ether	+++++ 0.4203	0.5889 0.3905	0.4941	0.4396	0.3668	Ave		0.4500				18.0		20.0			
Acetonitrile	+++++ 0.0169	0.0221 0.0162	0.0190	0.0173	0.0168	Ave		0.0181				12.1		20.0			
Vinyl acetate	0.4490 0.3491	0.3235 0.3092	0.3915	0.3572	0.3469	Ave		0.3609				13.0		20.0			
Ethyl acetate	0.1953 0.1861	0.1592 0.1750	0.1568	0.1668	0.1828	Ave		0.1745				8.2		20.0			
2-Chloroethyl vinyl ether	0.1076 0.1245	0.1022 0.1320	0.1122	0.1180	0.1177	Ave		0.1163				8.7		20.0			
cis-1,4-Dichloro-2-butene	+++++ 0.0948	0.0696 0.1105	0.0730	0.0817	0.0842	Ave		0.0856				17.6		20.0			
Cyclohexanone	0.2821 0.3458	0.2734 0.3763	0.3336	0.3445	0.3476	Ave		0.3290				11.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-2 | Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 17:23 | Calibration End Date: 06/04/2025 19:37 | Calibration ID: 73329

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/3	CU04X02.D
Level 2	IC 410-652703/4	CU04X03.D
Level 3	IC 410-652703/5	CU04X04.D
Level 4	IC 410-652703/6	CU04X05.D
Level 5	IC 410-652703/7	CU04X06.D
Level 6	IC 410-652703/8	CU04X07.D
Level 7	IC 410-652703/9	CU04X08.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	FB	Ave	20282 916349	45497 2297943	95968	180151	447076	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dimethyl ether	FB	Ave	+++++ 1004202	68098 2229899	116368	203565	437163	+++++ 10.0	0.500 25.0	1.00	2.00	5.00
Acetonitrile	FB	Ave	+++++ 202276	12762 463075	22368	40045	100216	+++++ 50.0	2.50 125	5.00	10.0	25.0
Vinyl acetate	FB	Ave	21519 834061	37404 1765540	92210	165440	413433	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl acetate	FB	Ave	9357 444702	18405 999028	36924	77255	217786	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloroethyl vinyl ether	FB	Ave	5155 297417	11822 753907	26418	54643	140307	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,4-Dichloro-2-butene	CBZd5	Ave	+++++ 345004	12144 964543	26100	57340	150756	+++++ 20.0	1.000 50.0	2.00	4.00	10.00
Cyclohexanone	TBAd10	Ave	12061 703088	26136 1771793	67325	138781	317052	10.00 500	25.0 1250	50.0	100.0	250

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 17:23 Calibration End Date: 06/04/2025 19:37 Calibration ID: 73329

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/3	CU04X02.D
Level 2	IC 410-652703/4	CU04X03.D
Level 3	IC 410-652703/5	CU04X04.D
Level 4	IC 410-652703/6	CU04X05.D
Level 5	IC 410-652703/7	CU04X06.D
Level 6	IC 410-652703/8	CU04X07.D
Level 7	IC 410-652703/9	CU04X08.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Chlorodifluoromethane	6.8 1.5	-0.7	2.8	-1.8	-5.3	-3.2	50 30	30	30	30	30	30
Dimethyl ether	+++++ -13.2	30.9	9.8	-2.3	-18.5	-6.6	 30	50	30	30	30	30
Acetonitrile	+++++ -10.2	22.3	5.2	-4.2	-6.8	-6.2	 30	50	30	30	30	30
Vinyl acetate	24.4 -14.3	-10.4	8.5	-1.0	-3.9	-3.3	50 30	30	30	30	30	30
Ethyl acetate	11.9 0.2	-8.8	-10.2	-4.4	4.7	6.6	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-7.5 13.5	-12.1	-3.6	1.4	1.2	7.0	50 30	30	30	30	30	30
cis-1,4-Dichloro-2-butene	+++++ 29.0	-18.8	-14.8	-4.6	-1.6	10.7	 30	50	30	30	30	30
Cyclohexanone	-14.3 14.4	-16.9	1.4	4.7	5.6	5.1	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X02.D
Lims ID: IC STD.2 Sm
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Jun-2025 17:23:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-003
Misc. Info.: IC STD.2 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:17:58 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:05:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.720	1.720	0.000	92	8209	0.2000	0.1860	
3 Chlorodifluoromethane	51	1.768	1.768	0.000	30	20282	0.2000	0.2136	
4 Dimethyl ether	45	1.799	1.805	-0.006	96	52454	0.2000	0.4864	Ma
8 2-Chloro-1,1,1-Trifluoroethane	118	2.085	2.079	0.006	36	15136	0.2000	0.2003	
27 Acetonitrile	41	3.414	3.451	-0.037	32	9702	1.00	2.24	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.671	-0.007	97	213759	50.0	50.0	
38 Vinyl acetate	43	4.682	4.640	0.042	98	21519	0.2000	0.2488	
46 Ethyl acetate	43	5.566	5.554	0.012	97	9357	0.2000	0.2237	
63 Isopropyl acetate	43	6.840	6.828	0.012	70	19236	0.2000	0.2049	
* 65 Fluorobenzene (IS)	96	7.139	7.146	-0.007	99	2396109	10.0	10.0	
75 n-Propyl acetate	61	8.182	8.170	0.012	99	3280	0.2000	0.1727	
79 2-Chloroethyl vinyl ether	63	8.736	8.724	0.012	89	5155	0.2000	0.1850	
109 n-Butyl acetate	43	10.242	10.224	0.018	98	15795	0.2000	0.1929	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	89	1815665	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.772	11.772	0.000	96	5474	0.3999	0.3521	
123 Cyclohexanone	55	11.797	11.797	0.000	91	12061	10.0	8.57	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	979792	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	0.20	Units: uL
MSV_V_SMRV4_00088	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	1.60	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	0.20	Units: uL

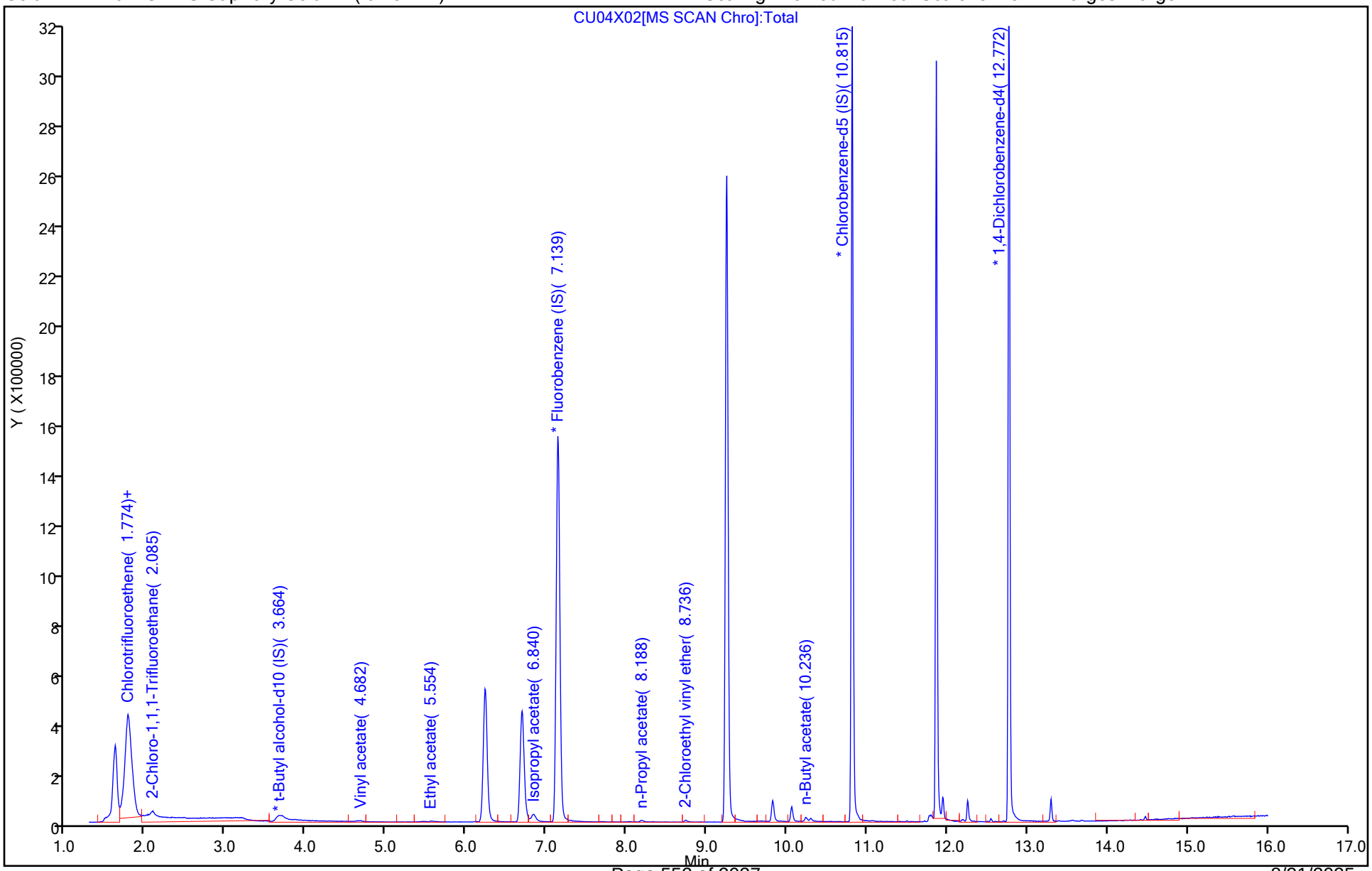
Report Date: 06-Jun-2025 09:17:59 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X02.D

Injection Date:	04-Jun-2025 17:23:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD.2 Sm			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

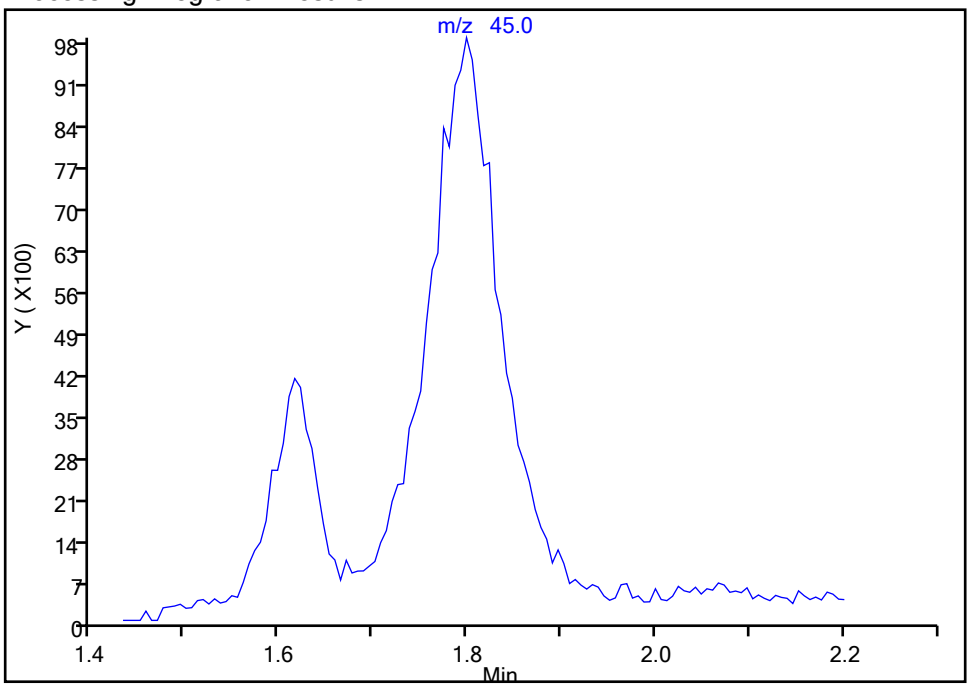
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Injection Date:	04-Jun-2025 17:23:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

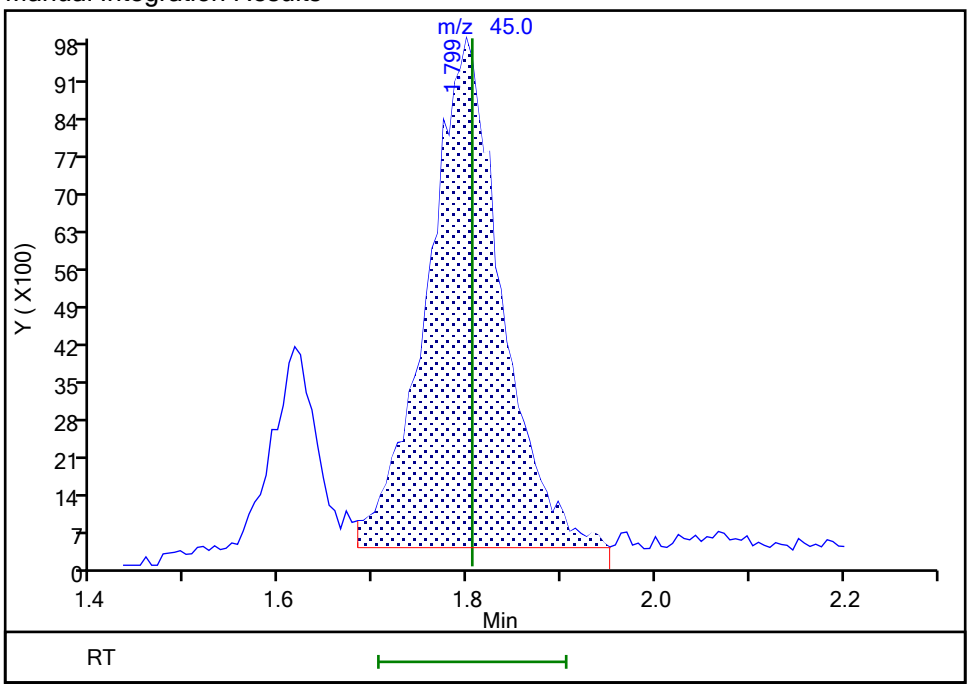
Not Detected
Expected RT: 1.80

Processing Integration Results



Manual Integration Results

RT: 1.80
Area: 52454
Amount: 0.486442
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:04:48 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

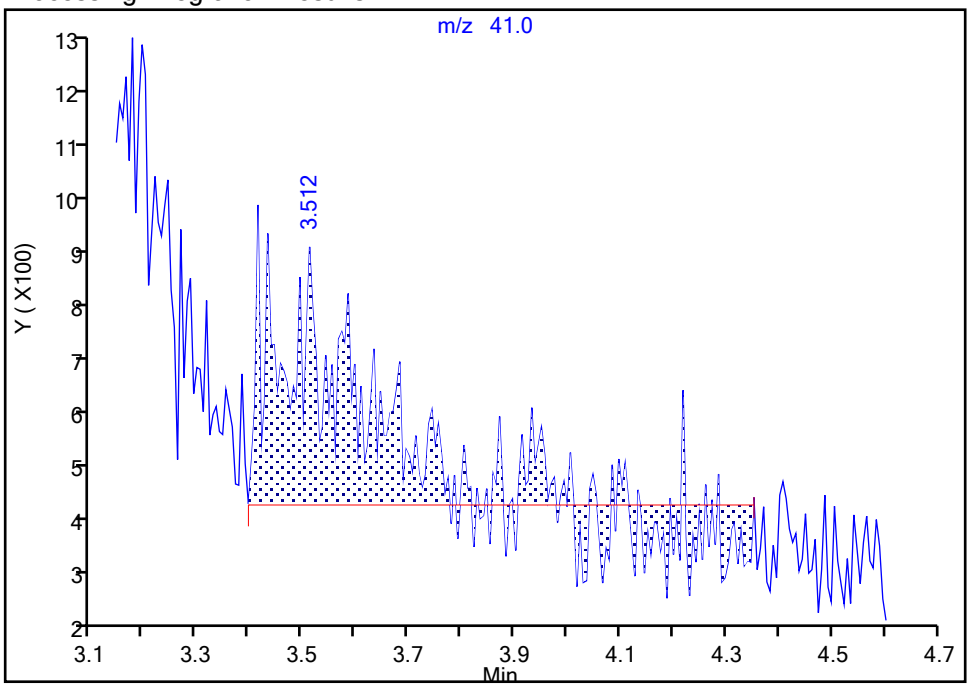
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X02.D				
Injection Date:	04-Jun-2025 17:23:30	Instrument ID:	10193		
Lims ID:	IC STD.2 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

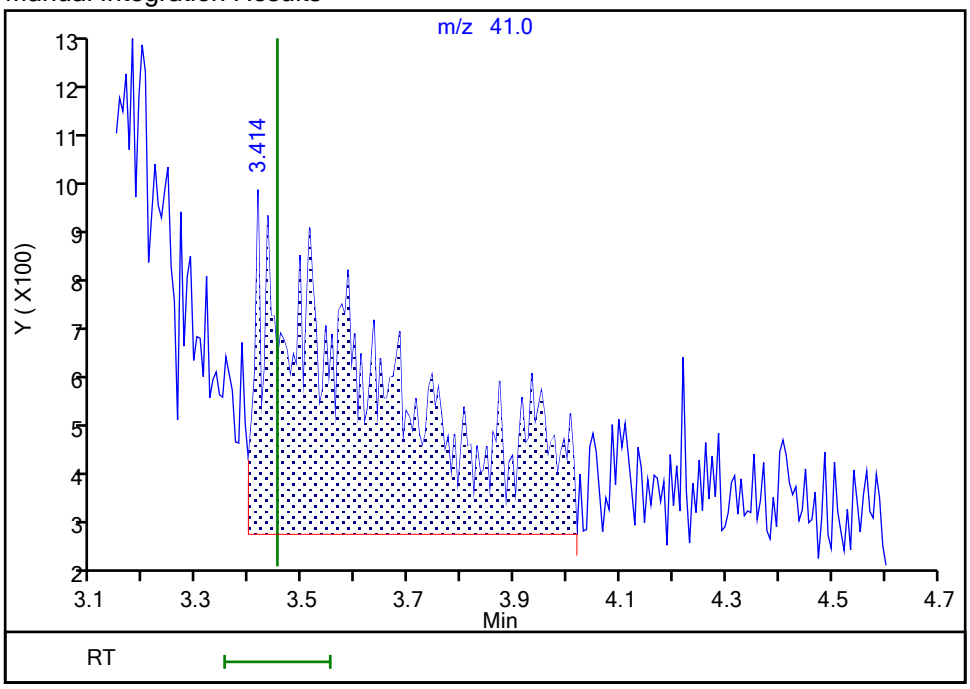
Processing Integration Results

RT: 3.51
Area: 3479
Amount: 0.580220
Amount Units: ug/l



Manual Integration Results

RT: 3.41
Area: 9702
Amount: 2.242612
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:04:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X03.D
Lims ID: IC STD.5 Sm
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Jun-2025 17:46:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-004
Misc. Info.: IC STD.5 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:01 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:04:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	93	19114	0.5000	0.4487	
3 Chlorodifluoromethane	51	1.775	1.768	0.007	98	45497	0.5000	0.4964	
4 Dimethyl ether	45	1.799	1.805	-0.006	100	68098	0.5000	0.6543	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.086	2.079	0.007	35	34280	0.5000	0.4701	
27 Acetonitrile	41	3.500	3.451	0.049	22	12762	2.50	3.06	a
* 31 t-Butyl alcohol-d10 (IS)	65	3.671	3.671	0.000	98	191221	50.0	50.0	
38 Vinyl acetate	43	4.652	4.640	0.012	97	37404	0.5000	0.4481	
46 Ethyl acetate	43	5.560	5.554	0.006	99	18405	0.5000	0.4559	
63 Isopropyl acetate	43	6.847	6.828	0.019	97	43274	0.5000	0.4775	
* 65 Fluorobenzene (IS)	96	7.146	7.146	0.000	99	2312682	10.0	10.0	
75 n-Propyl acetate	61	8.182	8.170	0.012	98	7837	0.5000	0.4276	
79 2-Chloroethyl vinyl ether	63	8.731	8.724	0.007	93	11822	0.5000	0.4395	
109 n-Butyl acetate	43	10.230	10.224	0.006	97	33981	0.5000	0.4314	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.816	0.000	86	1746051	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	97	12144	1.00	0.8122	
123 Cyclohexanone	55	11.797	11.797	0.000	92	26136	25.0	20.8	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	932648	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	0.50	Units: uL
MSV_CCV_CYC_00011	Amount Added:	4.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	2.50	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	0.50	Units: uL

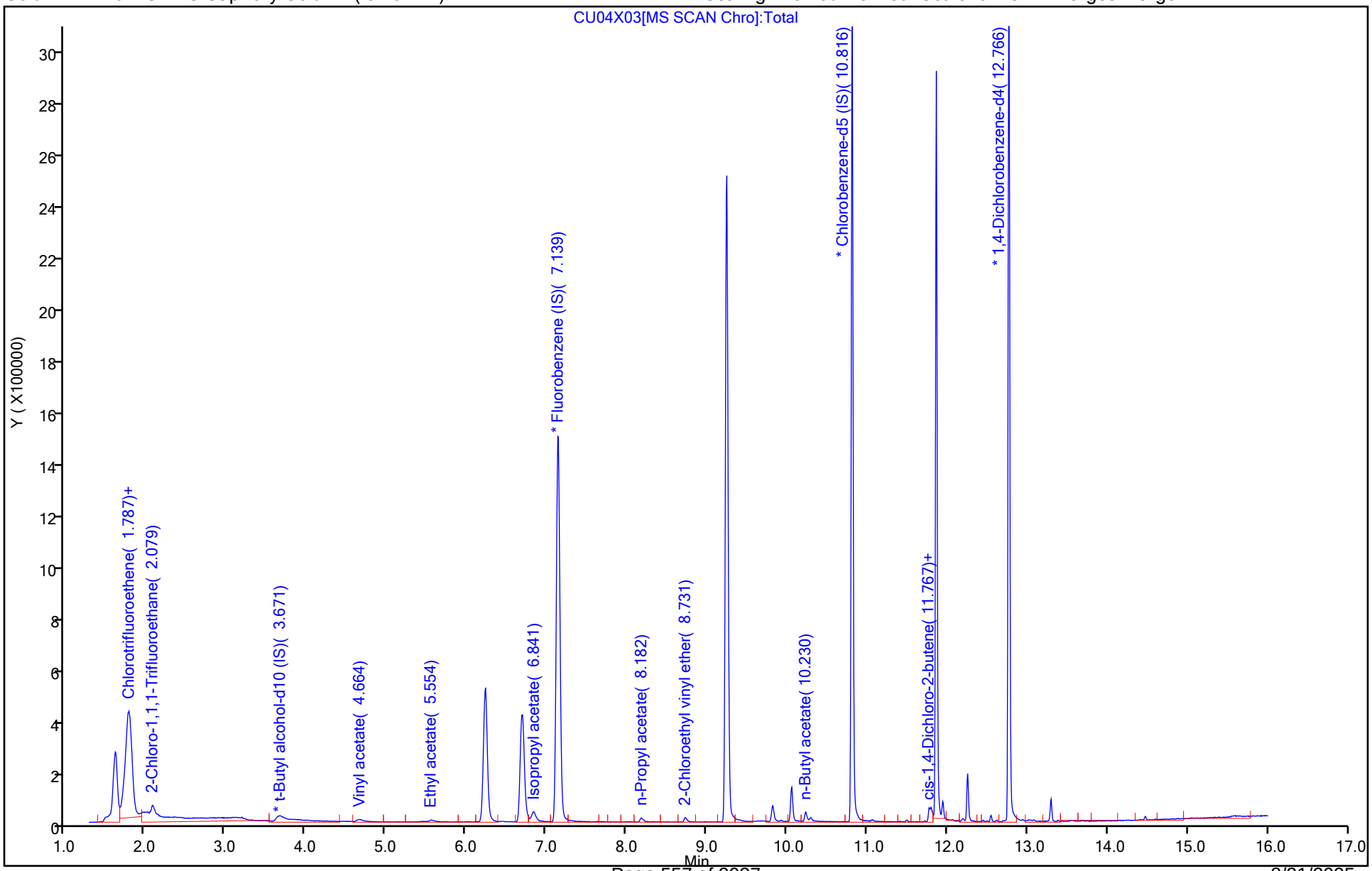
Report Date: 06-Jun-2025 09:18:01 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X03.D

Injection Date:	04-Jun-2025 17:46:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD.5 Sm			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

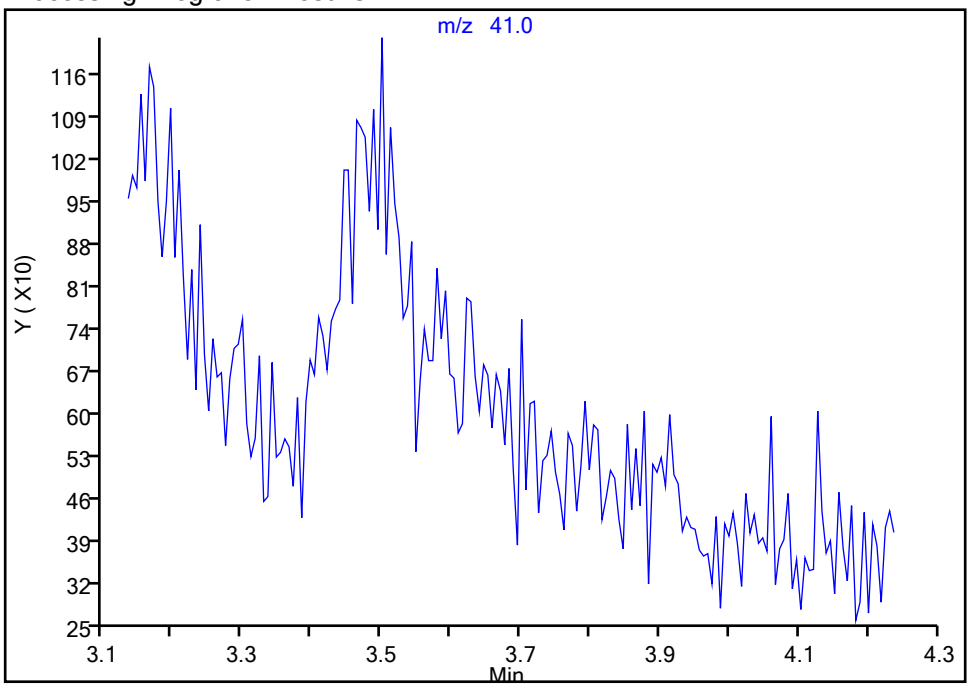
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X03.D				
Injection Date:	04-Jun-2025 17:46:30	Instrument ID:	10193		
Lims ID:	IC STD.5 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

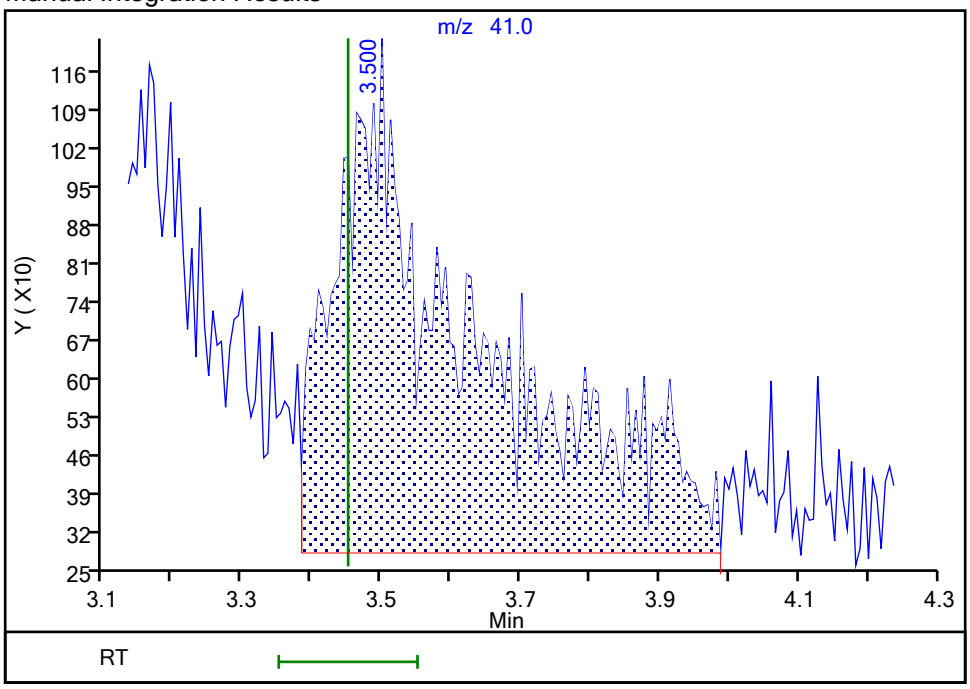
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 12762
Amount: 3.056345
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:04:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X04.D
Lims ID: IC STD1 Sm
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Jun-2025 18:08:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-005
Misc. Info.: IC STD1 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:04 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:04:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	93	43261	1.00	1.00	
3 Chlorodifluoromethane	51	1.781	1.768	0.013	99	95968	1.00	1.03	
4 Dimethyl ether	45	1.811	1.805	0.006	99	116368	1.00	1.10	M
8 2-Chloro-1,1,1-Trifluoroethane	118	2.091	2.079	0.012	35	72375	1.00	0.9745	
27 Acetonitrile	41	3.457	3.451	0.006	73	22368	5.00	5.26	
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.671	-0.007	97	201858	50.0	50.0	
38 Vinyl acetate	43	4.664	4.640	0.024	97	92210	1.00	1.08	
46 Ethyl acetate	43	5.566	5.554	0.012	99	36924	1.00	0.8981	
63 Isopropyl acetate	43	6.841	6.828	0.013	99	90549	1.00	0.9810	
* 65 Fluorobenzene (IS)	96	7.145	7.146	-0.001	99	2355344	10.0	10.0	
75 n-Propyl acetate	61	8.188	8.170	0.018	98	18421	1.00	0.9868	
79 2-Chloroethyl vinyl ether	63	8.730	8.724	0.006	91	26418	1.00	0.9643	
109 n-Butyl acetate	43	10.230	10.224	0.006	98	80192	1.00	0.99	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	86	1789031	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	98	26100	2.00	1.70	
123 Cyclohexanone	55	11.803	11.797	0.006	94	67325	50.0	50.7	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	967798	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	1.00	Units: uL

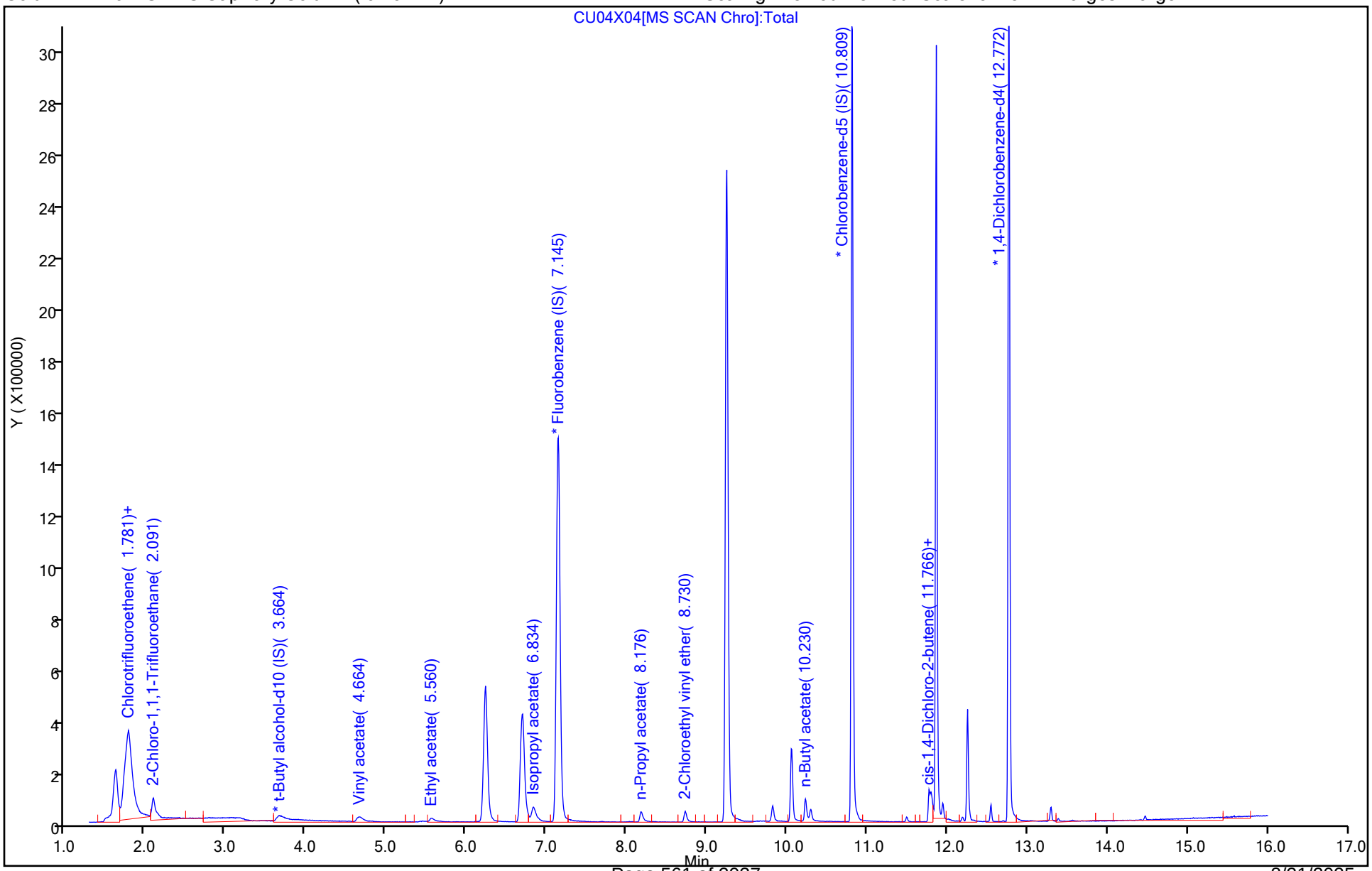
Report Date: 06-Jun-2025 09:18:04 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X04.D

Injection Date:	04-Jun-2025 18:08:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD1 Sm			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

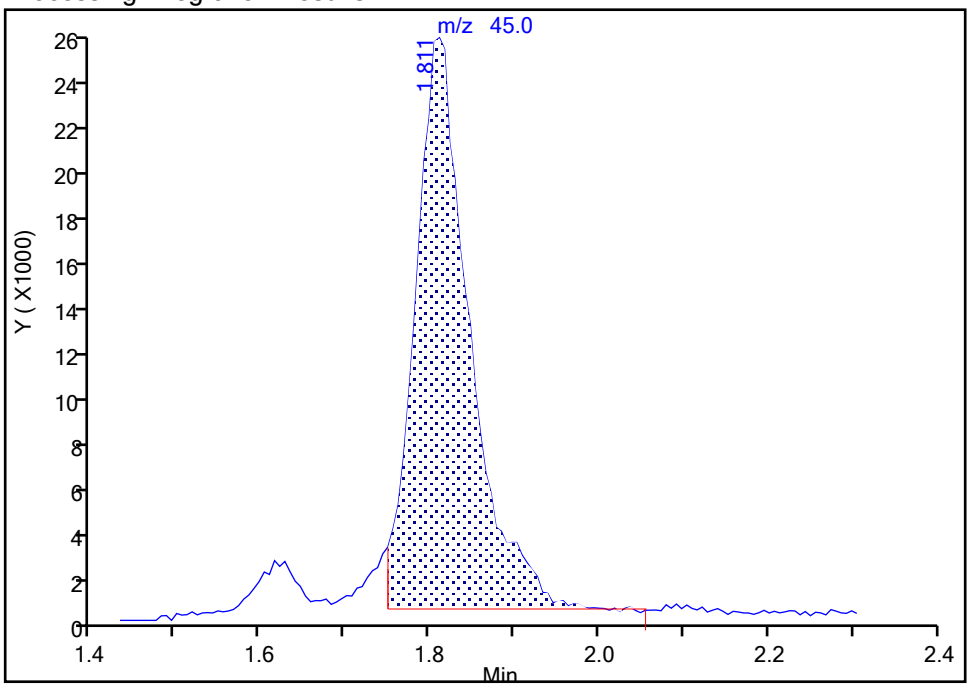
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X04.D				
Injection Date:	04-Jun-2025 18:08:30	Instrument ID:	10193		
Lims ID:	IC STD1 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	4	Worklist Smp#:	5
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

4 Dimethyl ether, CAS: 115-10-6

Signal: 1

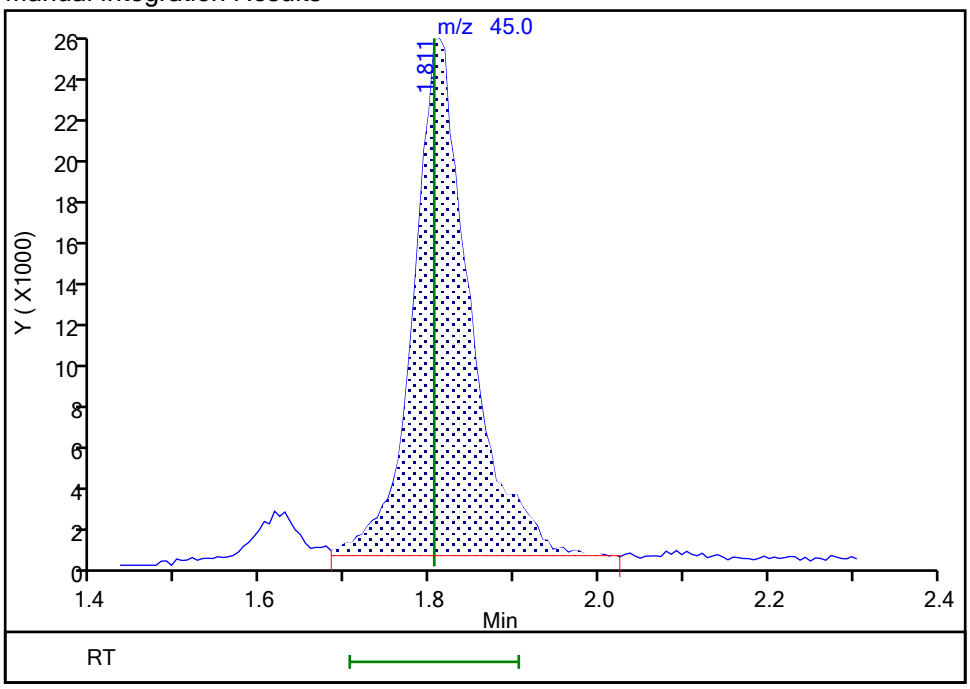
Processing Integration Results

RT: 1.81
Area: 111314
Amount: 1.058569
Amount Units: ug/l



Manual Integration Results

RT: 1.81
Area: 116368
Amount: 1.097838
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:38:24 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X05.D
Lims ID: IC STD2 Sm
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Jun-2025 18:30:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-006
Misc. Info.: IC STD2 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:06 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:03:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	93	87401	2.00	2.05	
3 Chlorodifluoromethane	51	1.781	1.768	0.013	84	180151	2.00	1.96	
4 Dimethyl ether	45	1.817	1.805	0.012	99	203565	2.00	1.95	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.092	2.079	0.013	35	150045	2.00	2.06	
27 Acetonitrile	41	3.457	3.451	0.006	95	40045	10.0	9.58	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.671	3.671	0.000	97	201447	50.0	50.0	
38 Vinyl acetate	43	4.664	4.640	0.024	97	165440	2.00	1.98	
46 Ethyl acetate	43	5.567	5.554	0.013	99	77255	2.00	1.91	
63 Isopropyl acetate	43	6.841	6.828	0.013	98	172472	2.00	1.90	
* 65 Fluorobenzene (IS)	96	7.145	7.146	-0.001	99	2315509	10.0	10.0	
75 n-Propyl acetate	61	8.176	8.170	0.006	99	37020	2.00	2.02	
79 2-Chloroethyl vinyl ether	63	8.731	8.724	0.007	93	54643	2.00	2.03	
109 n-Butyl acetate	43	10.230	10.224	0.006	97	155032	2.00	1.96	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.816	0.000	86	1754507	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	97	57340	4.00	3.82	
123 Cyclohexanone	55	11.797	11.797	0.000	91	138781	100.0	104.7	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	948063	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	1.00	Units: uL

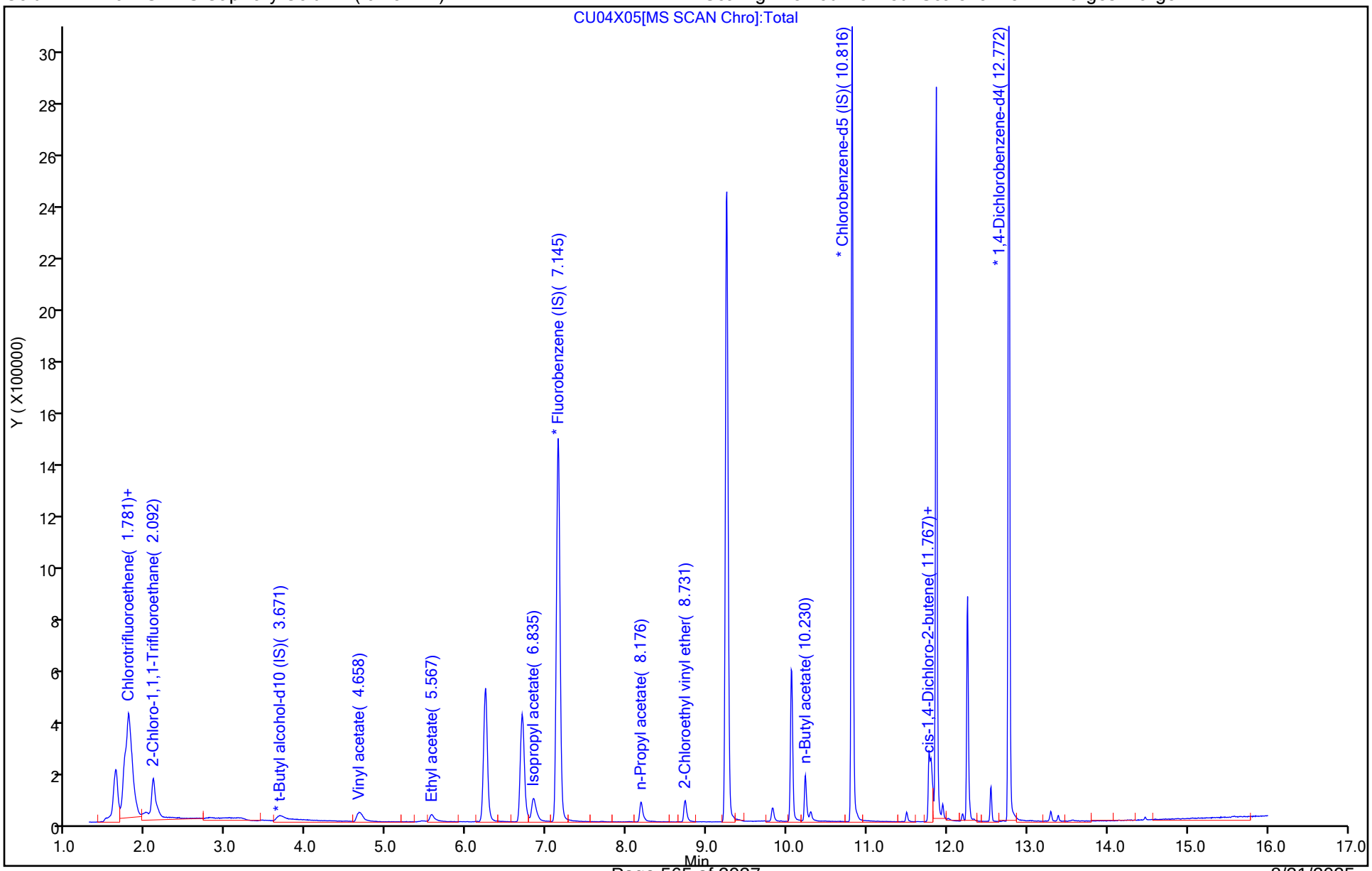
Report Date: 06-Jun-2025 09:18:06 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X05.D

Injection Date:	04-Jun-2025 18:30:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD2 Sm			Worklist Smp#:	6
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

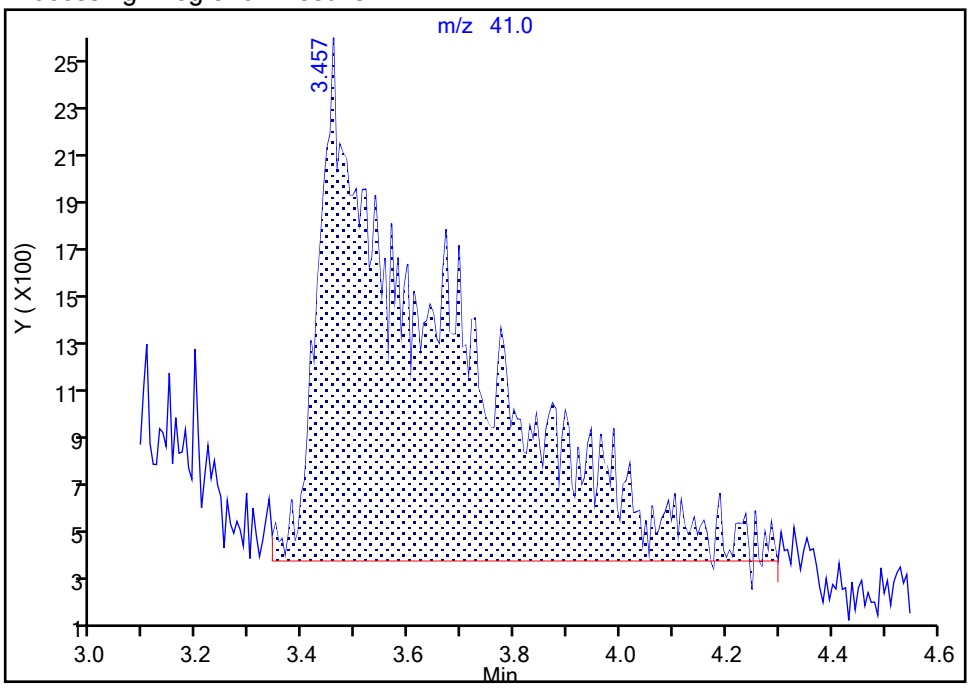
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X05.D				
Injection Date:	04-Jun-2025 18:30:30	Instrument ID:	10193		
Lims ID:	IC STD2 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

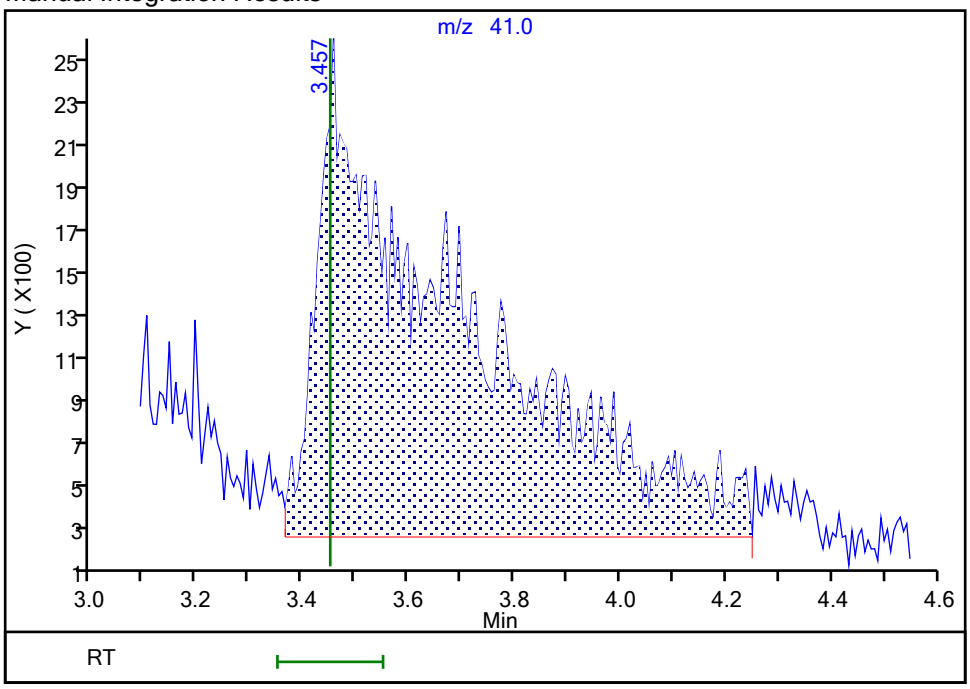
Processing Integration Results

RT: 3.46
Area: 34237
Amount: 8.313517
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 40045
Amount: 9.578584
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:03:50 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X06.D
Lims ID: IC STD5 Sm
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Jun-2025 18:53:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-007
Misc. Info.: IC STD5 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:08 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:03:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.720	1.720	0.000	92	219172	5.00	4.99	
3 Chlorodifluoromethane	51	1.775	1.768	0.007	98	447076	5.00	4.73	
4 Dimethyl ether	45	1.811	1.805	0.006	99	437163	5.00	4.08	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.085	2.079	0.006	72	371184	5.00	4.94	
27 Acetonitrile	41	3.451	3.451	0.000	65	100216	25.0	23.3	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.671	-0.007	97	182461	50.0	50.0	
38 Vinyl acetate	43	4.652	4.640	0.012	97	413433	5.00	4.81	
46 Ethyl acetate	43	5.560	5.554	0.006	99	217786	5.00	5.24	
63 Isopropyl acetate	43	6.828	6.828	0.000	98	484088	5.00	5.18	
* 65 Fluorobenzene (IS)	96	7.139	7.146	-0.007	99	2383363	10.0	10.0	
75 n-Propyl acetate	61	8.176	8.170	0.006	99	102902	5.00	5.45	
79 2-Chloroethyl vinyl ether	63	8.724	8.724	0.000	93	140307	5.00	5.06	
109 n-Butyl acetate	43	10.224	10.224	0.000	98	430681	5.00	5.33	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	86	1790055	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	98	150756	10.0	9.84	
123 Cyclohexanone	55	11.797	11.797	0.000	93	317052	250.0	264.1	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	952530	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	1.00	Units: uL

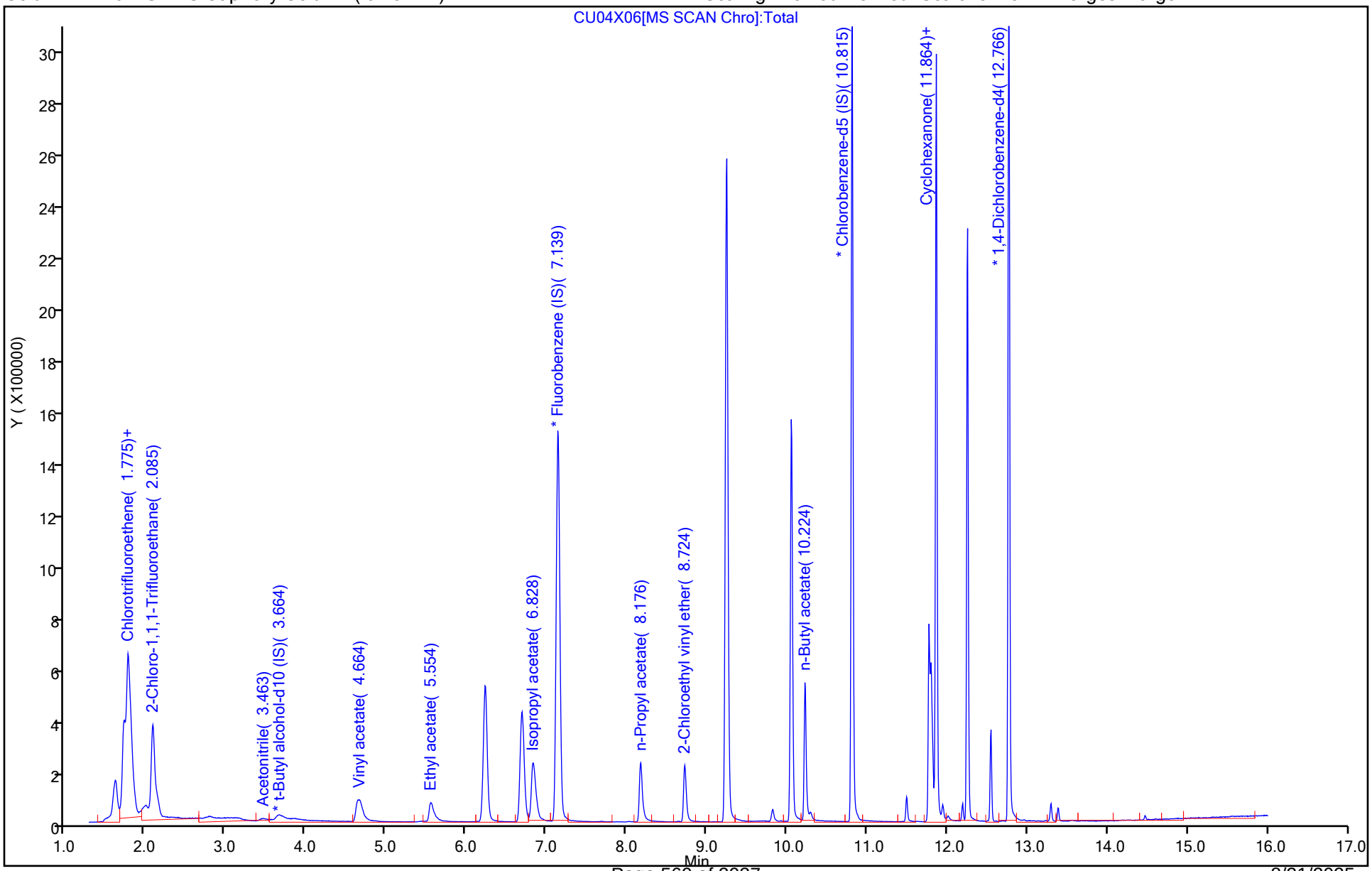
Report Date: 06-Jun-2025 09:18:08 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X06.D

Injection Date:	04-Jun-2025 18:53:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD5 Sm			Worklist Smp#:	7
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

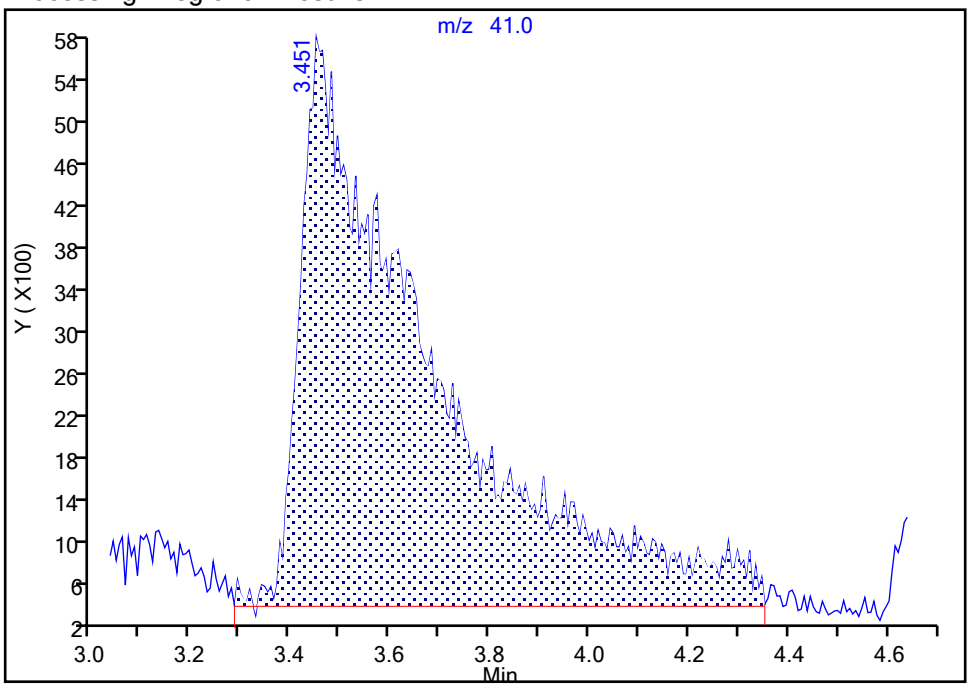
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Injection Date:	04-Jun-2025 18:53:30	Instrument ID:	10193		
Lims ID:	IC STD5 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

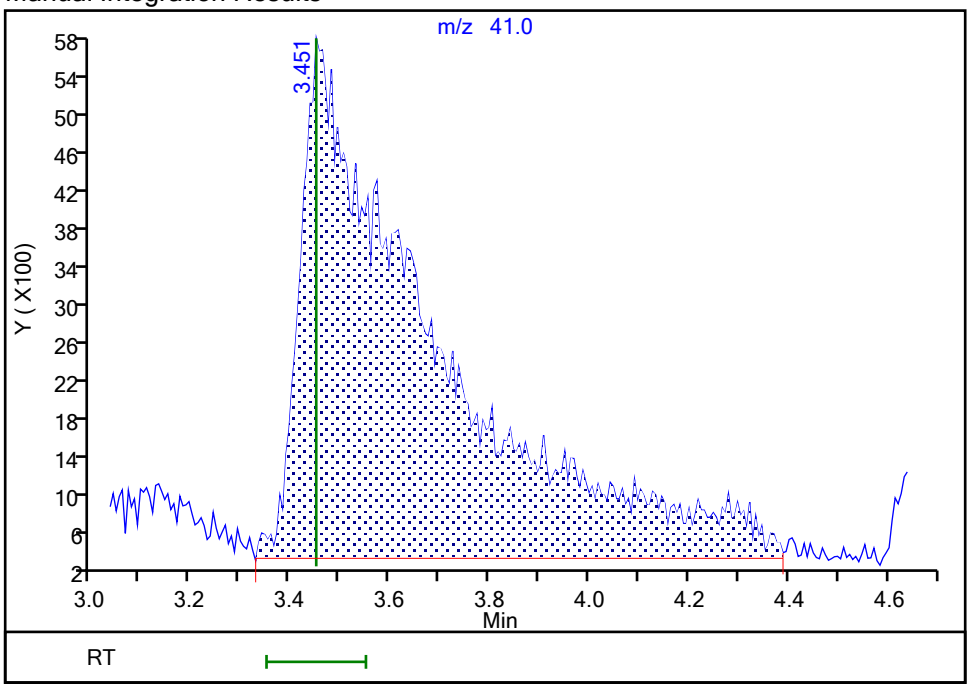
Processing Integration Results

RT: 3.45
Area: 95026
Amount: 23.717735
Amount Units: ug/l



Manual Integration Results

RT: 3.45
Area: 100216
Amount: 23.288760
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:03:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X07.D
Lims ID: IC STD10 Sm
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Jun-2025 19:15:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-008
Misc. Info.: IC STD10 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:10 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:02:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.720	1.720	0.000	92	460005	10.0	10.5	
3 Chlorodifluoromethane	51	1.768	1.768	0.000	98	916349	10.0	9.68	
4 Dimethyl ether	45	1.805	1.805	0.000	99	1004202	10.0	9.34	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.079	2.079	0.000	92	761779	10.0	10.1	
27 Acetonitrile	41	3.451	3.451	0.000	100	202276	50.0	46.9	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.652	3.652	0.000	97	203337	50.0	50.0	
38 Vinyl acetate	43	4.640	4.640	0.000	97	834061	10.0	9.67	
46 Ethyl acetate	43	5.554	5.554	0.000	99	444702	10.0	10.7	
63 Isopropyl acetate	43	6.828	6.828	0.000	98	977444	10.0	10.4	
* 65 Fluorobenzene (IS)	96	7.139	7.139	0.000	99	2389472	10.0	10.0	
75 n-Propyl acetate	61	8.170	8.170	0.000	99	211563	10.0	11.2	
79 2-Chloroethyl vinyl ether	63	8.724	8.724	0.000	93	297417	10.0	10.7	
109 n-Butyl acetate	43	10.224	10.224	0.000	98	887440	10.0	10.8	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1820742	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.772	11.772	0.000	97	345004	20.0	22.1	
123 Cyclohexanone	55	11.797	11.797	0.000	93	703088	500.0	525.4	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.772	0.000	95	964608	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	1.00	Units: uL
MSV_CCV_CYC_00011	Amount Added:	8.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	5.00	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	1.00	Units: uL

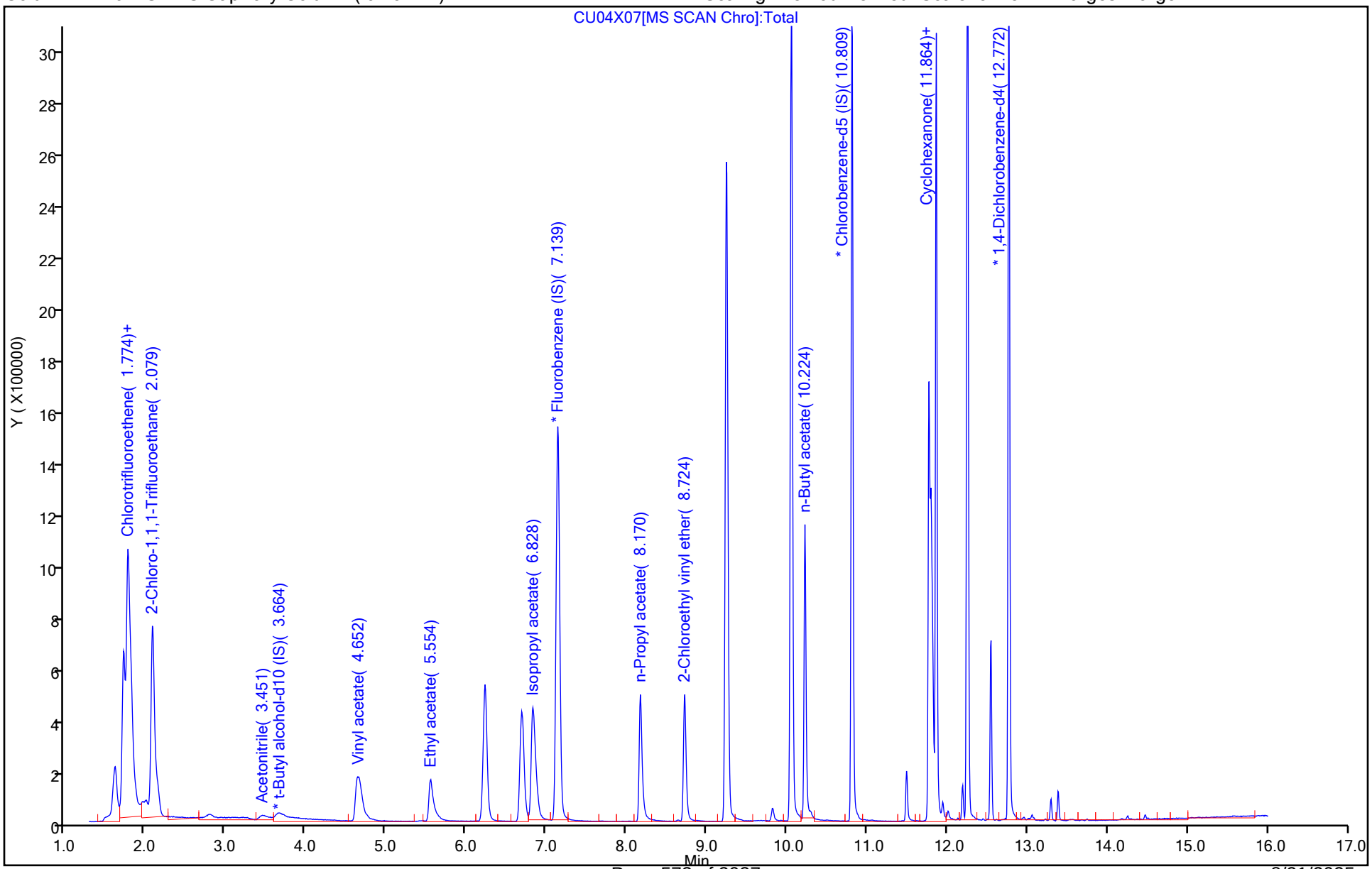
Report Date: 06-Jun-2025 09:18:11 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X07.D

Injection Date:	04-Jun-2025 19:15:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD10 Sm			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

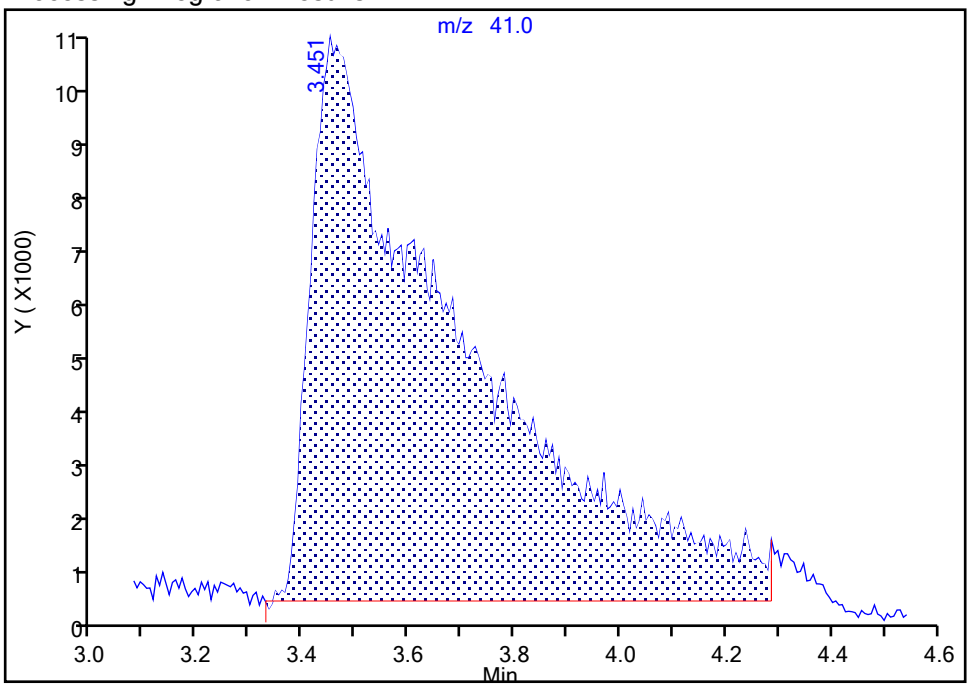
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Lims ID:	IC STD10 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

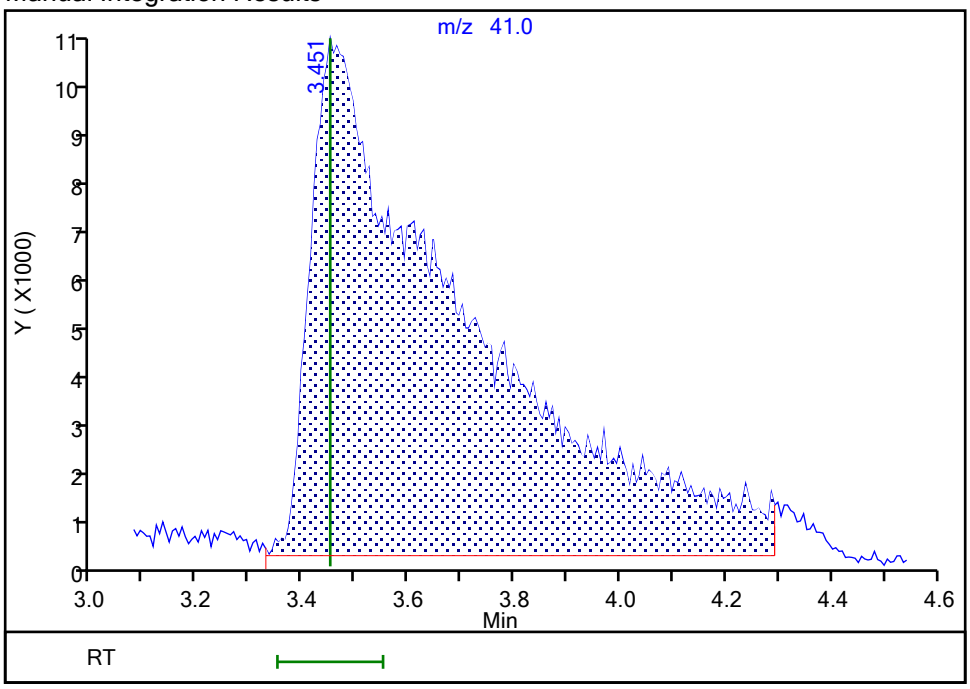
Processing Integration Results

RT: 3.45
Area: 194178
Amount: 50.695968
Amount Units: ug/l



Manual Integration Results

RT: 3.45
Area: 202276
Amount: 46.885862
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:02:32 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X08.D
Lims ID: IC STD25 Sm
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Jun-2025 19:37:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-009
Misc. Info.: IC STD25 SM
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub43

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:14 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:03:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	94	1164602	25.0	27.7	
3 Chlorodifluoromethane	51	1.775	1.768	0.007	98	2297943	25.0	25.4	
4 Dimethyl ether	45	1.805	1.805	0.000	99	2229899	25.0	21.7	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.086	2.079	0.007	35	1903101	25.0	26.4	
27 Acetonitrile	41	3.482	3.451	0.031	99	463075	125.0	112.3	M
* 31 t-Butyl alcohol-d10 (IS)	65	3.683	3.652	0.031	97	188362	50.0	50.0	
38 Vinyl acetate	43	4.652	4.640	0.012	97	1765540	25.0	21.4	
46 Ethyl acetate	43	5.554	5.554	0.000	99	999028	25.0	25.1	
63 Isopropyl acetate	43	6.829	6.828	0.001	98	2257196	25.0	25.2	
* 65 Fluorobenzene (IS)	96	7.139	7.139	0.000	99	2283948	10.0	10.0	
75 n-Propyl acetate	61	8.170	8.170	0.000	99	488261	25.0	27.0	
79 2-Chloroethyl vinyl ether	63	8.725	8.724	0.001	92	753907	25.0	28.4	
109 n-Butyl acetate	43	10.224	10.224	0.000	98	2072513	25.0	26.3	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.815	0.001	86	1746340	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.001	98	964543	50.0	64.5	
123 Cyclohexanone	55	11.797	11.797	0.000	93	1771793	1249.9	1429.4	
* 139 1,4-Dichlorobenzene-d4	152	12.773	12.772	0.000	95	924144	10.0	10.0	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

MSV_CCV_V5ACE_00049	Amount Added:	2.50	Units: uL
MSV_CCV_CYC_00011	Amount Added:	20.00	Units: uL
MSV_V_SMRV4_00088	Amount Added:	12.50	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	2.50	Units: uL

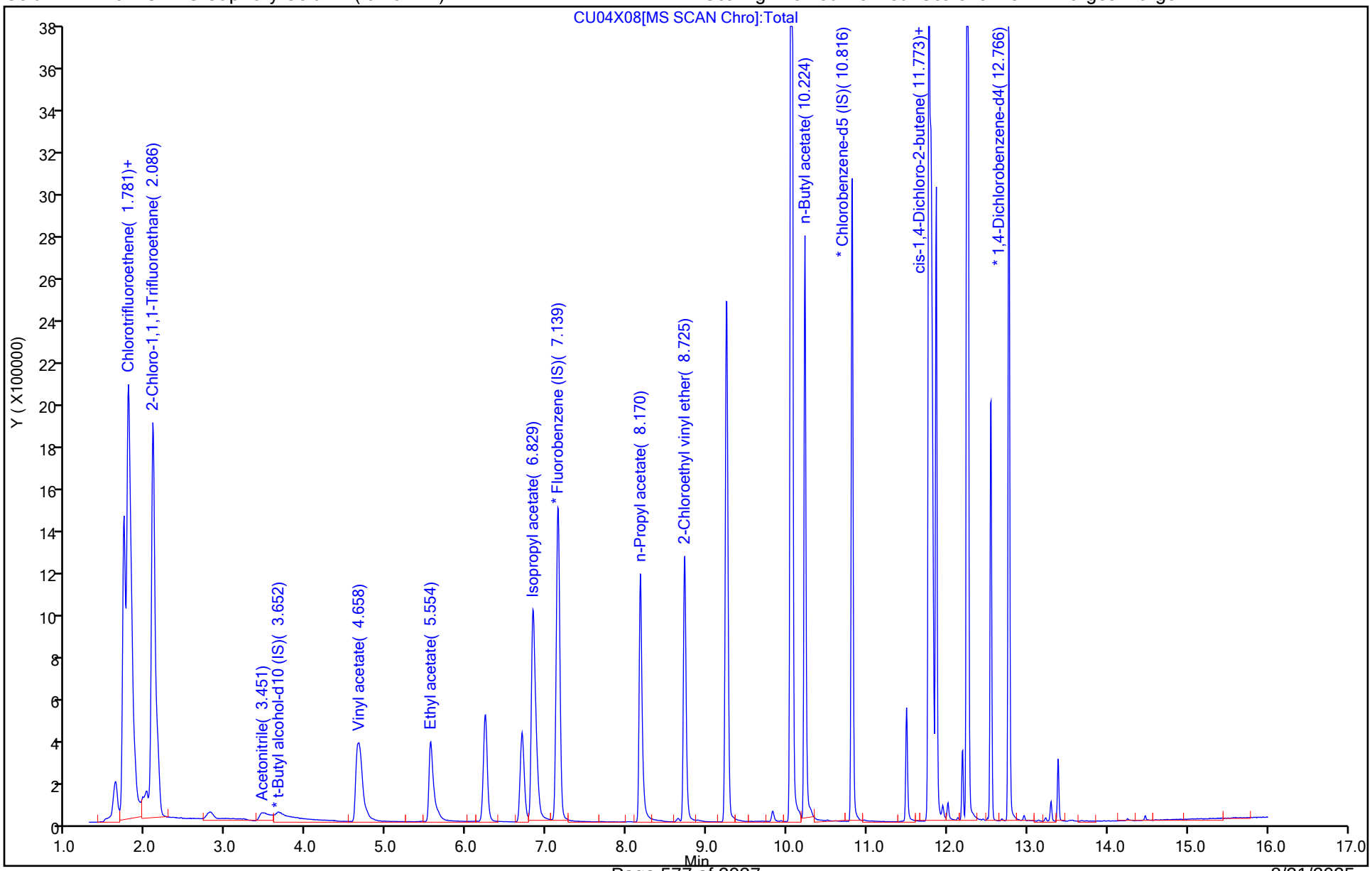
Report Date: 06-Jun-2025 09:18:14 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X08.D

Injection Date:	04-Jun-2025 19:37:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC STD25 Sm			Worklist Smp#:	9
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

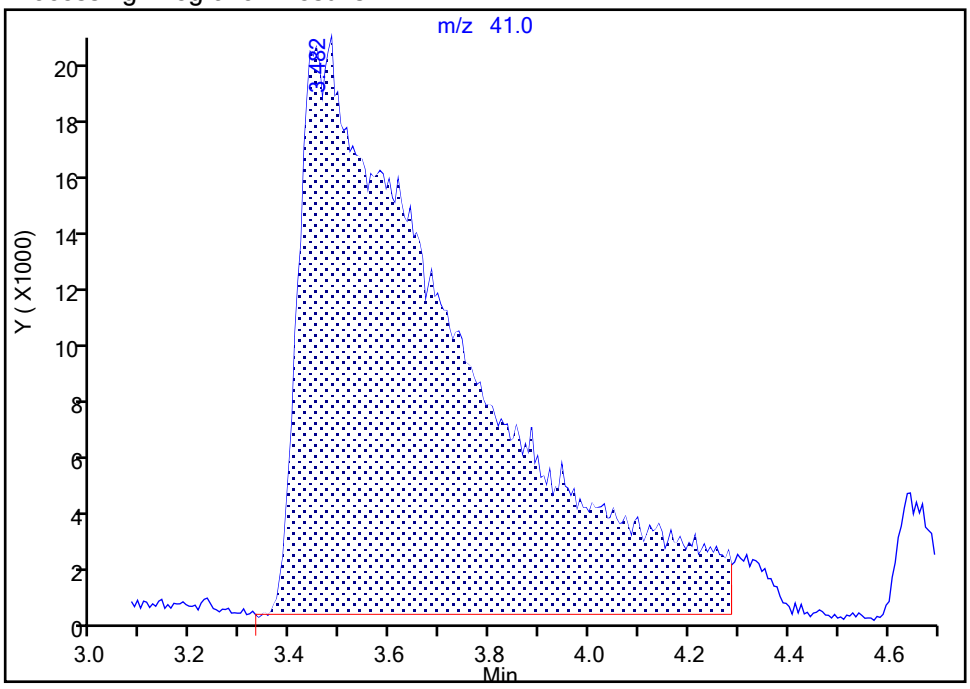
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Injection Date:	04-Jun-2025 19:37:30	Instrument ID:	10193		
Lims ID:	IC STD25 Sm				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	8	Worklist Smp#:	9
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

27 Acetonitrile, CAS: 75-05-8

Signal: 1

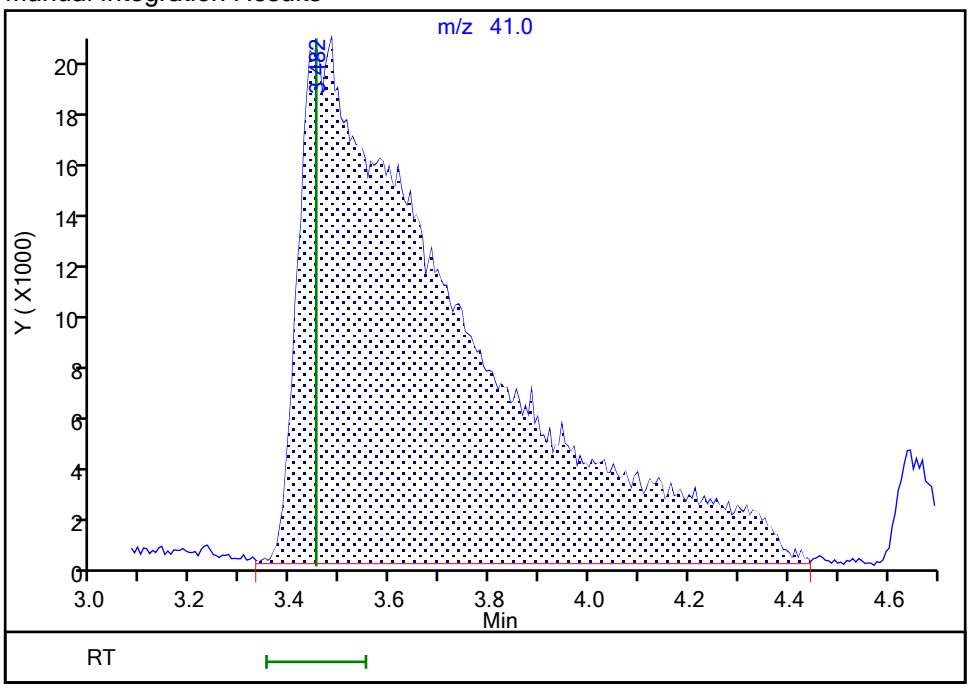
Processing Integration Results

RT: 3.48
Area: 446140
Amount: 124.8460
Amount Units: ug/l



Manual Integration Results

RT: 3.48
Area: 463075
Amount: 112.2961
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:02:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

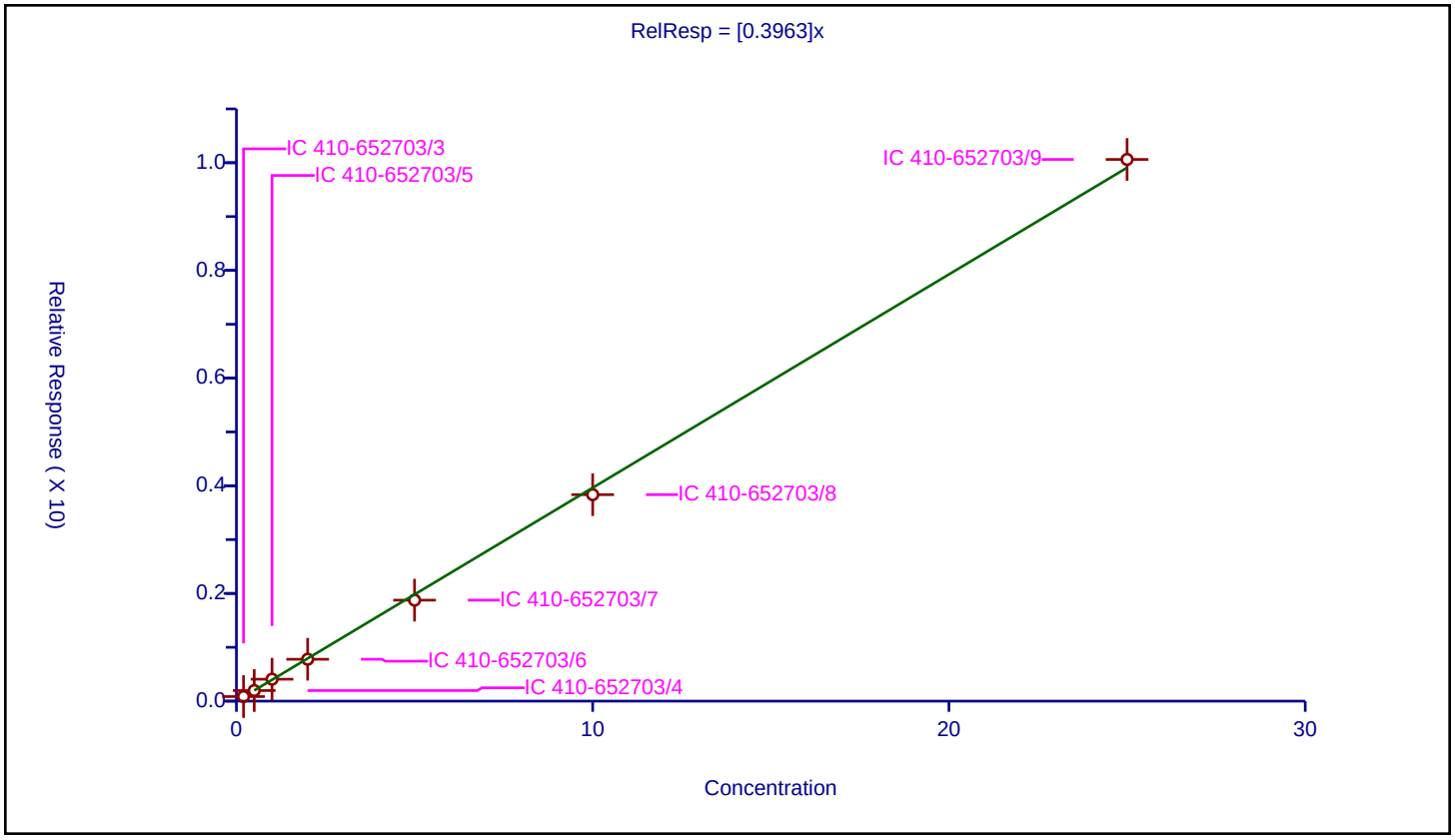
Curve Coefficients

Intercept:	0
Slope:	0.3963

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.084646	10.0	2396109.0	0.423228	Y
2	IC 410-652703/4	0.5	0.196728	10.0	2312682.0	0.393457	Y
3	IC 410-652703/5	1.0	0.407448	10.0	2355344.0	0.407448	Y
4	IC 410-652703/6	2.0	0.778019	10.0	2315509.0	0.38901	Y
5	IC 410-652703/7	5.0	1.87582	10.0	2383363.0	0.375164	Y
6	IC 410-652703/8	10.0	3.834943	10.0	2389472.0	0.383494	Y
7	IC 410-652703/9	25.0	10.061275	10.0	2283948.0	0.402451	Y



8/21/2025
7:28:43 PM

Calibration / Dimethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

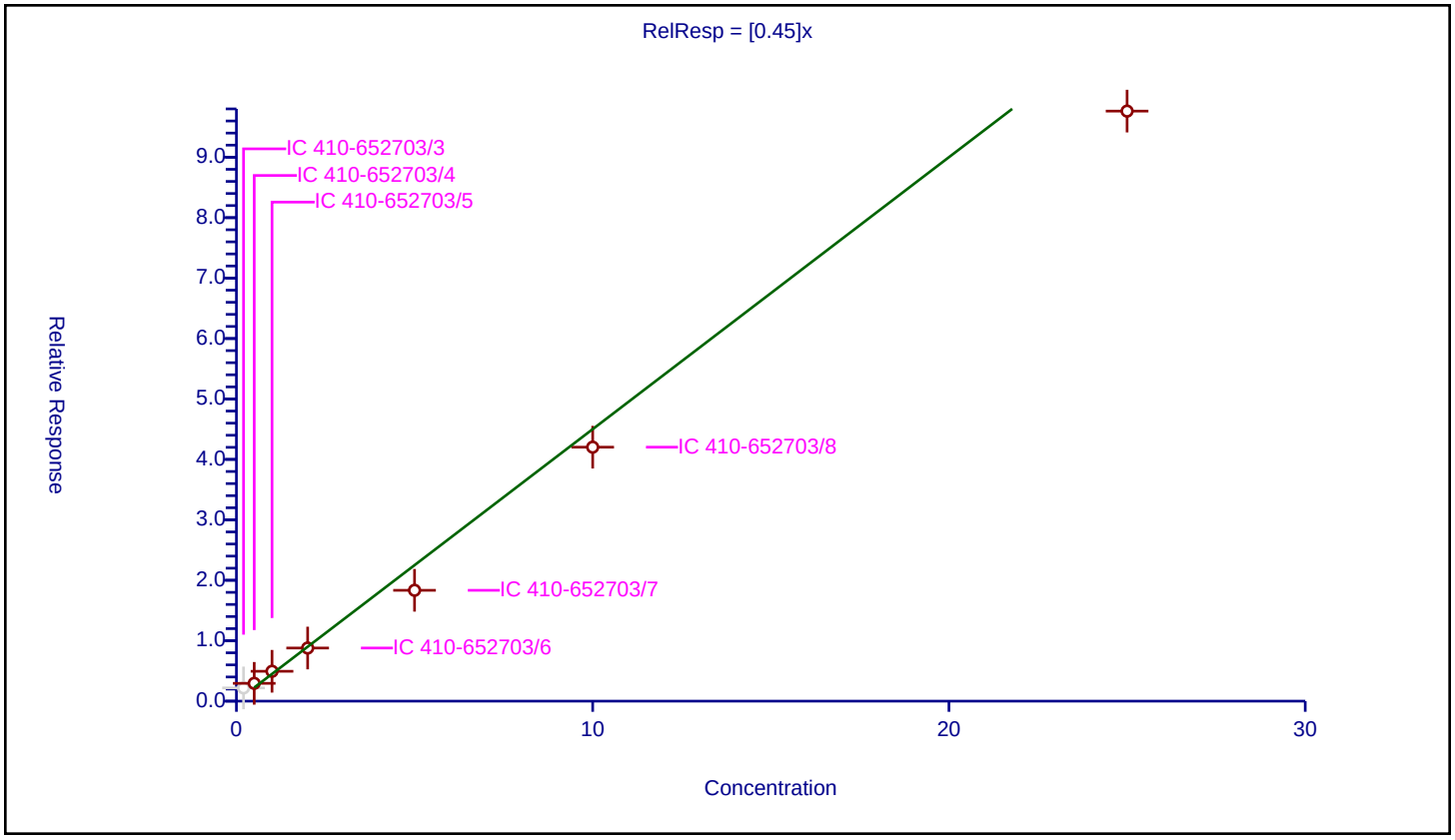
Curve Coefficients

Intercept:	0
Slope:	0.45

Error Coefficients

Relative Standard Deviation:	18.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.218913	10.0	2396109.0	1.094566	N
2	IC 410-652703/4	0.5	0.294455	10.0	2312682.0	0.588909	Y
3	IC 410-652703/5	1.0	0.494059	10.0	2355344.0	0.494059	Y
4	IC 410-652703/6	2.0	0.879137	10.0	2315509.0	0.439569	Y
5	IC 410-652703/7	5.0	1.834228	10.0	2383363.0	0.366846	Y
6	IC 410-652703/8	10.0	4.20261	10.0	2389472.0	0.420261	Y
7	IC 410-652703/9	25.0	9.763353	10.0	2283948.0	0.390534	Y



8/21/2025
7:28:43 PM

Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

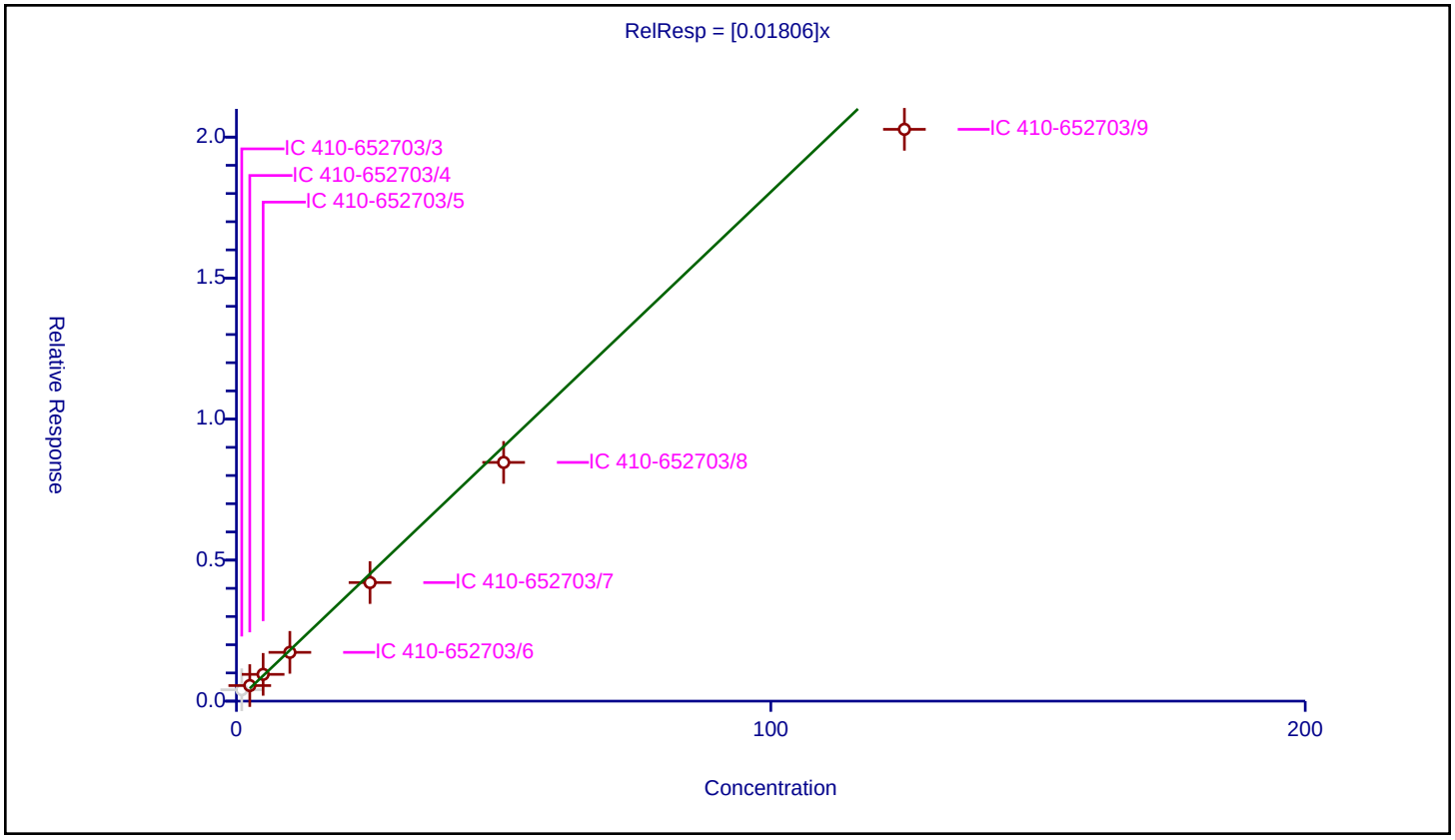
Curve Coefficients

Intercept:	0
Slope:	0.01806

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	1.0	0.040491	10.0	2396109.0	0.040491	N
2	IC 410-652703/4	2.5	0.055183	10.0	2312682.0	0.022073	Y
3	IC 410-652703/5	5.0	0.094967	10.0	2355344.0	0.018993	Y
4	IC 410-652703/6	10.0	0.172943	10.0	2315509.0	0.017294	Y
5	IC 410-652703/7	25.0	0.420481	10.0	2383363.0	0.016819	Y
6	IC 410-652703/8	50.0	0.84653	10.0	2389472.0	0.016931	Y
7	IC 410-652703/9	125.0	2.02752	10.0	2283948.0	0.01622	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

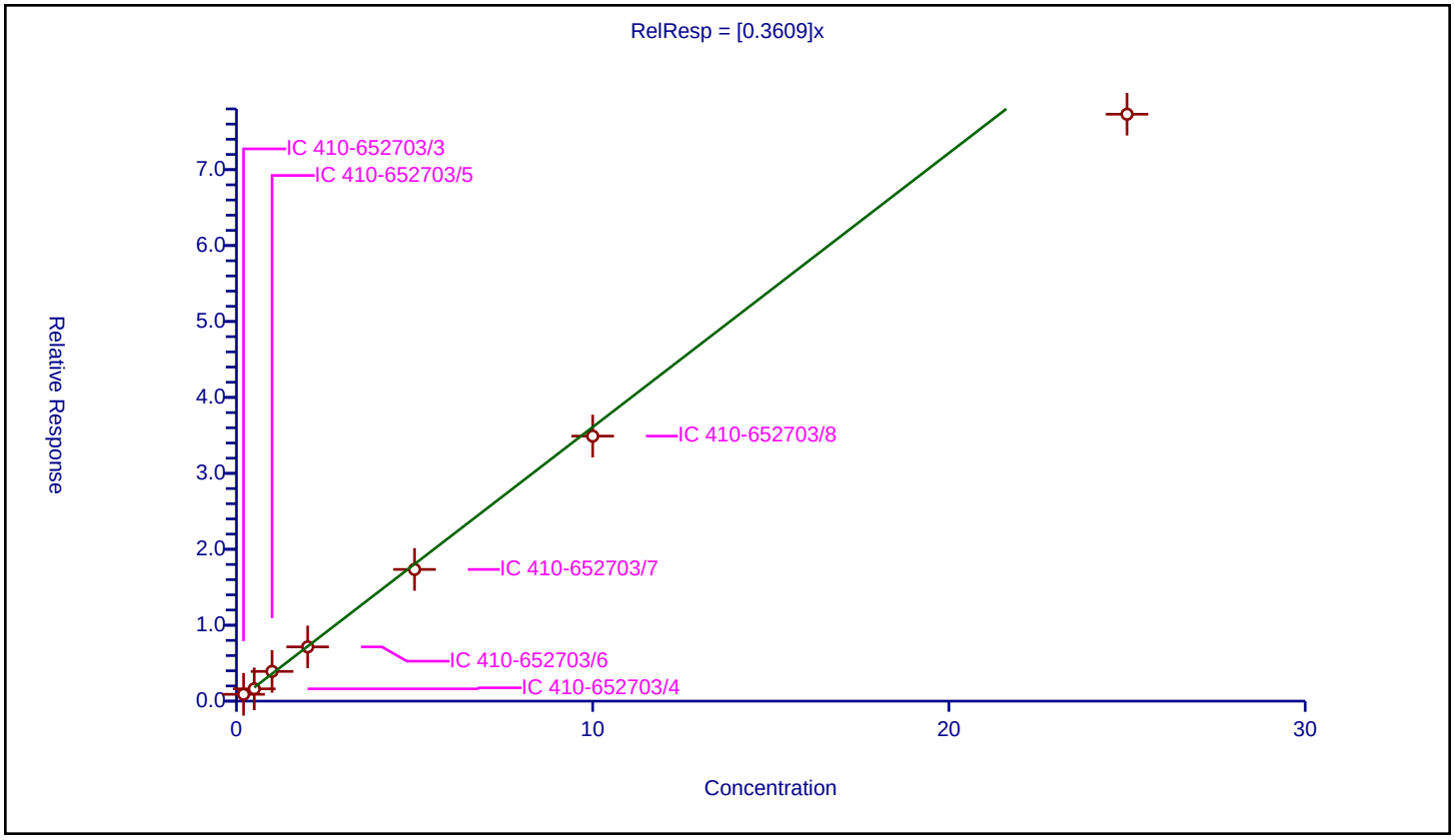
Curve Coefficients

Intercept:	0
Slope:	0.3609

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.089808	10.0	2396109.0	0.449041	Y
2	IC 410-652703/4	0.5	0.161734	10.0	2312682.0	0.323469	Y
3	IC 410-652703/5	1.0	0.391493	10.0	2355344.0	0.391493	Y
4	IC 410-652703/6	2.0	0.714487	10.0	2315509.0	0.357243	Y
5	IC 410-652703/7	5.0	1.734662	10.0	2383363.0	0.346932	Y
6	IC 410-652703/8	10.0	3.490566	10.0	2389472.0	0.349057	Y
7	IC 410-652703/9	25.0	7.730211	10.0	2283948.0	0.309208	Y



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Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

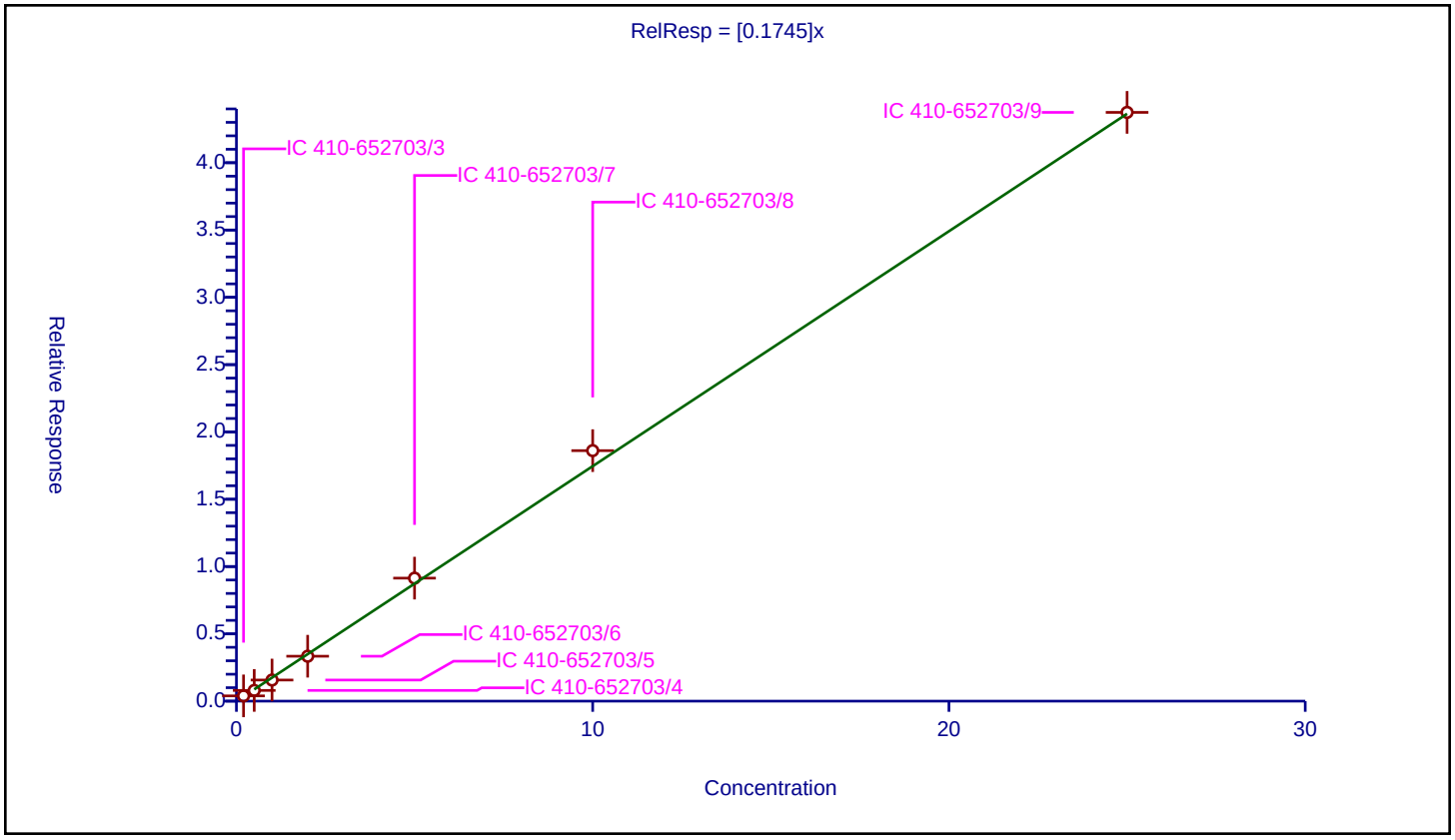
Curve Coefficients

Intercept:	0
Slope:	0.1745

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.039051	10.0	2396109.0	0.195254	Y
2	IC 410-652703/4	0.5	0.079583	10.0	2312682.0	0.159166	Y
3	IC 410-652703/5	1.0	0.156767	10.0	2355344.0	0.156767	Y
4	IC 410-652703/6	2.0	0.333642	10.0	2315509.0	0.166821	Y
5	IC 410-652703/7	5.0	0.913776	10.0	2383363.0	0.182755	Y
6	IC 410-652703/8	10.0	1.861089	10.0	2389472.0	0.186109	Y
7	IC 410-652703/9	25.0	4.374128	10.0	2283948.0	0.174965	Y



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Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

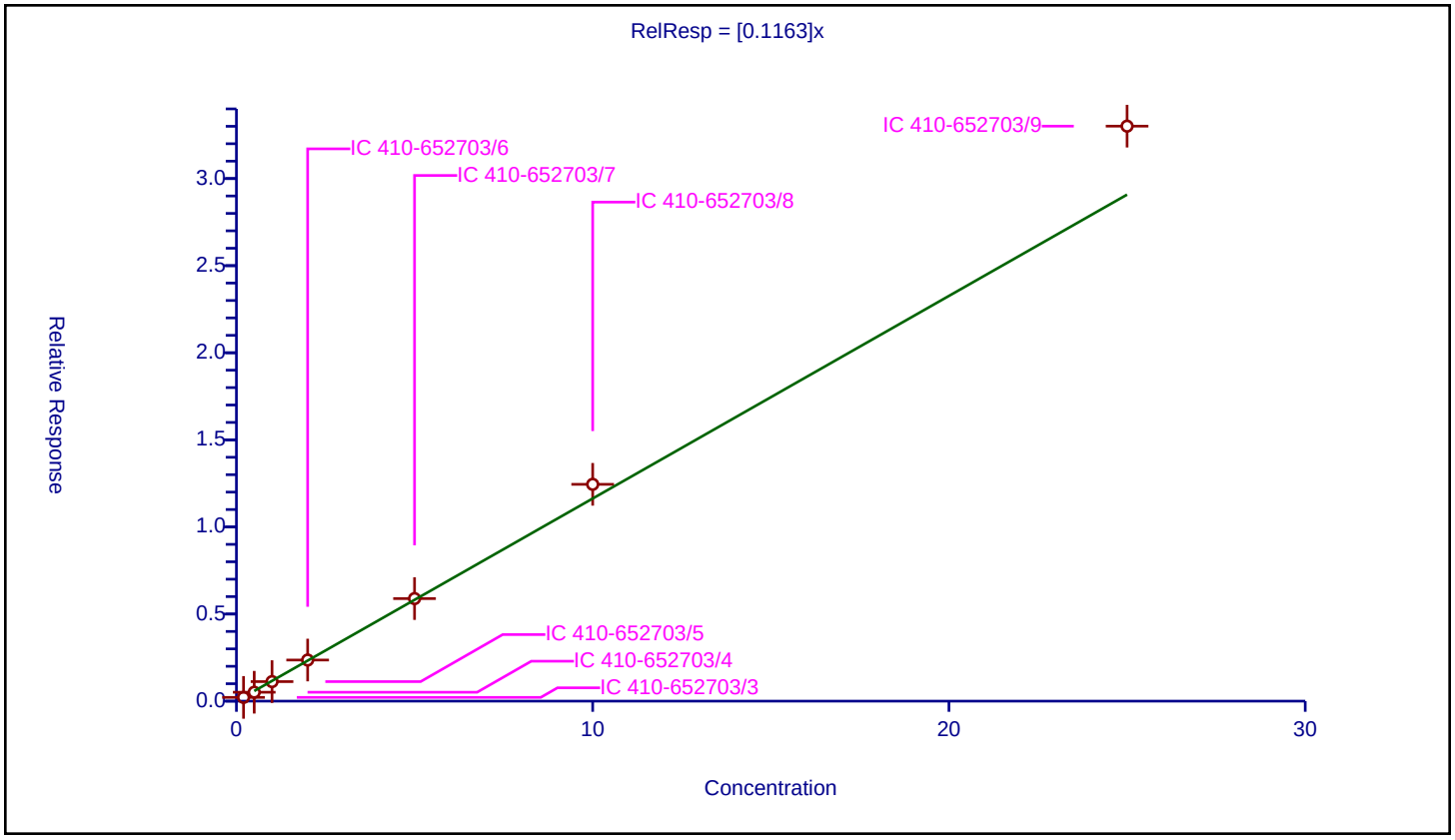
Curve Coefficients

Intercept:	0
Slope:	0.1163

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.2	0.021514	10.0	2396109.0	0.10757	Y
2	IC 410-652703/4	0.5	0.051118	10.0	2312682.0	0.102236	Y
3	IC 410-652703/5	1.0	0.112162	10.0	2355344.0	0.112162	Y
4	IC 410-652703/6	2.0	0.235987	10.0	2315509.0	0.117993	Y
5	IC 410-652703/7	5.0	0.588693	10.0	2383363.0	0.117739	Y
6	IC 410-652703/8	10.0	1.244698	10.0	2389472.0	0.12447	Y
7	IC 410-652703/9	25.0	3.300894	10.0	2283948.0	0.132036	Y



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Calibration / cis-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

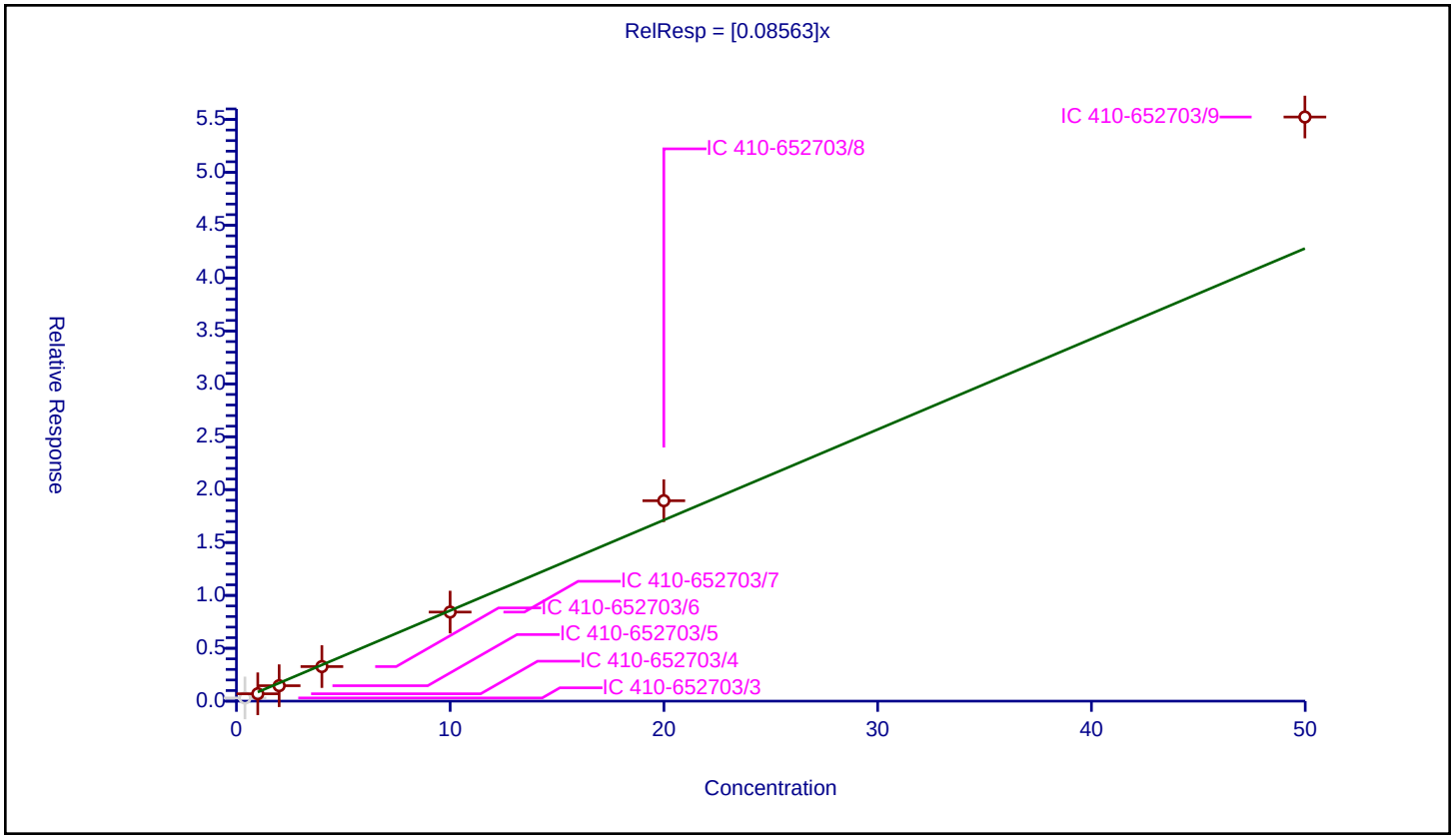
Curve Coefficients

Intercept:	0
Slope:	0.08563

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	0.399883	0.030149	10.0	1815665.0	0.075394	N
2	IC 410-652703/4	0.999708	0.069551	10.0	1746051.0	0.069572	Y
3	IC 410-652703/5	1.999416	0.145889	10.0	1789031.0	0.072966	Y
4	IC 410-652703/6	3.998831	0.326815	10.0	1754507.0	0.081728	Y
5	IC 410-652703/7	9.997078	0.842186	10.0	1790055.0	0.084243	Y
6	IC 410-652703/8	19.994156	1.894854	10.0	1820742.0	0.09477	Y
7	IC 410-652703/9	49.98539	5.523226	10.0	1746340.0	0.110497	Y



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Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

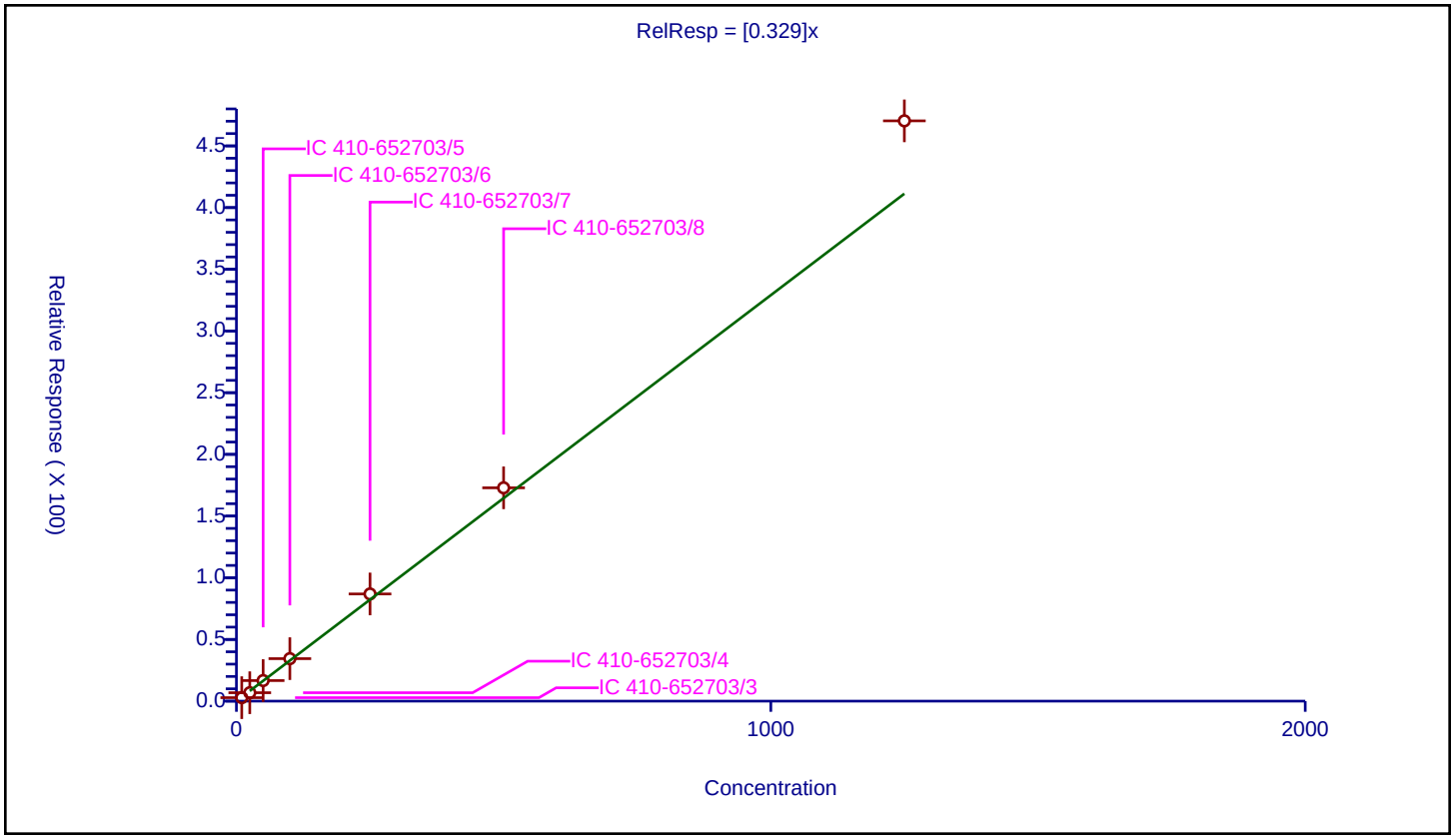
Curve Coefficients

Intercept:	0
Slope:	0.329

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/3	9.99912	2.821168	50.0	213759.0	0.282142	Y
2	IC 410-652703/4	24.997799	6.833977	50.0	191221.0	0.273383	Y
3	IC 410-652703/5	49.995598	16.676327	50.0	201858.0	0.333556	Y
4	IC 410-652703/6	99.991197	34.446033	50.0	201447.0	0.344491	Y
5	IC 410-652703/7	249.977992	86.882128	50.0	182461.0	0.347559	Y
6	IC 410-652703/8	499.955984	172.887374	50.0	203337.0	0.345805	Y
7	IC 410-652703/9	1249.88996	470.315934	50.0	188362.0	0.376286	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/13	CU04X12.D
Level 2	IC 410-652703/14	CU04X13.D
Level 3	IC 410-652703/15	CU04X14.D
Level 4	IC 410-652703/16	CU04X15.D
Level 5	IC 410-652703/17	CU04X16.D
Level 6	ICIS 410-652703/18	CU04X17.D
Level 7	IC 410-652703/19	CU04X18.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3545 0.3018	0.3273 0.3205	0.3269	0.3291	0.3189	Ave		0.3256			0.1000	4.8		20.0			
Chloromethane	0.4626 0.3519	0.3977 0.3567	0.3868	0.3807	0.3671	Ave		0.3862			0.1000	9.7		20.0			
1,3-Butadiene	0.5757 0.3680	0.5069 0.3941	0.4269	0.4192	0.4211	Ave		0.4446				16.2		20.0			
Vinyl chloride	0.3938 0.3204	0.3385 0.3355	0.3347	0.3352	0.3311	Ave		0.3413			0.1000	7.0		20.0			
Bromomethane	0.2548 0.2045	0.2153 0.2122	0.2133	0.2241	0.2030	Ave		0.2182			0.1000	8.1		20.0			
Chloroethane	0.2255 0.1820	0.1980 0.1817	0.1852	0.1932	0.1889	Ave		0.1935			0.1000	7.9		20.0			
Dichlorofluoromethane	0.6614 0.5277	0.5373 0.5431	0.5379	0.5571	0.5457	Ave		0.5586			0.1000	8.3		20.0			
Trichlorofluoromethane	0.4777 0.3991	0.4302 0.4211	0.4396	0.4288	0.4252	Ave		0.4317			0.1000	5.5		20.0			
Diethyl ether	0.2018 0.2085	0.2004 0.2107	0.2048	0.2040	0.2098	Ave		0.2057				2.0		20.0			
Freon 123a	0.3368 0.2867	0.2997 0.2967	0.3014	0.2995	0.2915	Ave		0.3018				5.4		20.0			
Acrolein	1.7527 1.5106	2.1373 1.6509	1.8556	1.7456	2.0327	Ave		1.8122				11.9		20.0			
1,1-Dichloroethene	0.2390 0.2051	0.2388 0.2022	0.2046	0.1874	0.2129	Ave		0.2128			0.1000	9.1		20.0			
Acetone	2.4798 2.2715	2.6810 2.2510	2.3989	2.1076	2.3668	Ave		2.3652			0.1000	7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1991 0.2137	0.2521 0.2232	0.2113	0.2109	0.2371	Ave		0.2211			0.1000	8.2		20.0			
Methyl iodide	0.4408 0.4404	0.4818 0.4245	0.3903	0.4016	0.4516	Ave		0.4330				7.1		20.0			
Ethyl bromide	0.2048 0.2075	0.2030 0.2061	0.1976	0.1978	0.2116	Ave		0.2041				2.5		20.0			
Carbon disulfide	0.7741 0.7772	0.8626 0.8209	0.7355	0.7145	0.8043	Ave		0.7842			0.1000	6.4		20.0			
Methyl acetate	7.2188 5.6811	7.0329 6.3015	5.4546	6.6395	6.2615	Ave		6.3700			0.1000	10.3		20.0			
Allyl chloride	0.3907 0.4115	0.4373 0.4146	0.3595	0.3701	0.4209	Ave		0.4006				7.0		20.0			
Methylene Chloride	0.2438 0.2638	0.2893 0.2522	0.2413	0.2382	0.2694	Ave		0.2569			0.1000	7.2		20.0			
t-Butyl alcohol	0.8294 0.6729	0.8464 0.7551	0.8141	0.6338	0.6483	Ave		0.7429				12.2		20.0			
Acrylonitrile	3.7759 3.3114	4.1574 3.2895	3.3743	3.0558	3.3192	Ave		3.4691				10.7		20.0			
trans-1,2-Dichloroethene	0.2618 0.2670	0.2829 0.2623	0.2440	0.2449	0.2745	Ave		0.2625			0.1000	5.5		20.0			
Methyl tertiary butyl ether	0.7390 0.7353	0.8118 0.7271	0.6578	0.6697	0.7538	Ave		0.7278			0.1000	7.1		20.0			
n-Hexane	0.3193 0.3460	0.4111 0.3734	0.3402	0.3306	0.3810	Ave		0.3574				9.1		20.0			
1,1-Dichloroethane	0.4707 0.4851	0.5129 0.4862	0.4455	0.4419	0.5039	Ave		0.4780			0.2000	5.7		20.0			
di-Isopropyl ether	0.8626 0.9053	0.9662 0.8976	0.8097	0.8148	0.9314	Ave		0.8840				6.6		20.0			
2-Chloro-1,3-butadiene	0.4214 0.4266	0.4614 0.4339	0.3878	0.3839	0.4369	Ave		0.4217				6.5		20.0			
Ethyl t-butyl ether	0.8364 0.8961	0.9332 0.8910	0.8095	0.8079	0.9182	Ave		0.8703				5.9		20.0			
2-Butanone	4.3490 4.6516	4.9940 4.7110	4.3730	3.9981	4.7032	Ave		4.5400			0.1000	7.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.2941 0.3092	0.3311 0.3032	0.2763	0.2836	0.3196	Ave		0.3024			0.1000	6.4		20.0			
2,2-Dichloropropane	0.3968 0.3670	0.4252 0.3632	0.3503	0.3419	0.3833	Ave		0.3754				7.7		20.0			
Propionitrile	1.0216 1.3230	1.3507 1.3324	1.0685	1.1154	1.3639	Ave		1.2251				12.2		20.0			
Methacrylonitrile	4.0736 4.6471	4.8790 4.0706	4.3679	4.0072	4.7443	Ave		4.3985				8.2		20.0			
Bromochloromethane	0.1338 0.1371	0.1531 0.1295	0.1218	0.1259	0.1437	Ave		0.1350				8.0		20.0			
Tetrahydrofuran	1.3785 1.3411	1.5320 1.1109	1.2090	1.0897	1.3759	Ave		1.2910				12.5		20.0			
Chloroform	0.4730 0.4963	0.5299 0.4865	0.4478	0.4501	0.5138	Ave		0.4853			0.2000	6.4		20.0			
1,1,1-Trichloroethane	0.4316 0.4279	0.4611 0.4320	0.3890	0.3926	0.4418	Ave		0.4251			0.1000	6.1		20.0			
Cyclohexane	0.4225 0.4445	0.5053 0.4677	0.4274	0.4207	0.4752	Ave		0.4519			0.1000	7.1		20.0			
Carbon tetrachloride	0.3379 0.3707	0.3952 0.3807	0.3303	0.3346	0.3860	Ave		0.3622			0.1000	7.5		20.0			
1,1-Dichloropropene	0.3732 0.3822	0.4296 0.3895	0.3545	0.3471	0.3943	Ave		0.3815				7.2		20.0			
Isobutyl alcohol	0.2801 0.3060	0.3397 0.3098	0.2941	0.2715	0.3178	Ave		0.3027				7.6		20.0			
Benzene	1.1132 1.1765	1.2372 1.1756	1.0314	1.0374	1.1896	Ave		1.1373			0.5000	7.0		20.0			
1,2-Dichloroethane	0.3181 0.3127	0.3509 0.2967	0.2809	0.2886	0.3294	Ave		0.3111			0.1000	7.9		20.0			
t-Amyl methyl ether	0.7590 0.8041	0.8452 0.7924	0.7043	0.7166	0.8259	Ave		0.7782				6.9		20.0			
n-Heptane	0.3131 0.3461	0.3915 0.3739	0.3380	0.3229	0.3792	Ave		0.3521				8.5		20.0			
n-Butanol	0.2534 0.3108	0.2651 0.3182	0.2720	0.2581	0.3175	Ave		0.2850				10.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.2991 0.3052	0.3304 0.3059	0.2751	0.2755	0.3156	Ave		0.3010			0.2000	6.7		20.0			
Methylcyclohexane	0.4345 0.4779	0.5437 0.5042	0.4604	0.4469	0.5181	Ave		0.4837			0.1000	8.3		20.0			
1,2-Dichloropropane	0.2791 0.2978	0.3185 0.3009	0.2679	0.2664	0.3068	Ave		0.2911			0.1000	6.9		20.0			
1,4-Dioxane	+++++ 0.0684	0.0723 0.0682	0.0740	0.0650	0.0744	Ave		0.0704			0.0050	5.3		20.0			
Dibromomethane	0.1364 0.1486	0.1540 0.1477	0.1344	0.1333	0.1531	Ave		0.1439				6.2		20.0			
Methyl methacrylate	8.3548 9.0966	10.384 9.9478	8.1268	7.9856	9.5086	Ave		9.0577				10.3		20.0			
Bromodichloromethane	0.3344 0.3702	0.3745 0.3750	0.3214	0.3274	0.3799	Ave		0.3547			0.2000	7.2		20.0			
2-Nitropropane	2.9633 2.9914	3.0584 3.2130	2.7041	2.5218	3.0256	Ave		2.9254				8.0		20.0			
1-Bromo-2-chloroethane	0.2668 0.3016	0.2747 0.3010	0.2743	0.2739	0.3029	Ave		0.2850				5.6		20.0			
cis-1,3-Dichloropropene	0.3963 0.4596	0.4605 0.4681	0.4020	0.4010	0.4692	Ave		0.4367			0.2000	8.0		20.0			
4-Methyl-2-pentanone	11.017 12.830	12.810 13.248	11.290	10.521	12.581	Ave		12.042			0.1000	8.9		20.0			
Toluene	0.9538 0.9898	1.0444 1.0049	0.9010	0.8859	1.0179	Ave		0.9711			0.4000	6.2		20.0			
trans-1,3-Dichloropropene	0.4424 0.5245	0.5165 0.5376	0.4476	0.4442	0.5255	Ave		0.4912			0.1000	8.9		20.0			
Ethyl methacrylate	0.3849 0.4618	0.4353 0.4638	0.3804	0.3852	0.4674	Ave		0.4256				9.6		20.0			
1,1,2-Trichloroethane	0.2739 0.2834	0.2990 0.2828	0.2618	0.2558	0.2936	Ave		0.2786			0.1000	5.7		20.0			
Tetrachloroethene	0.4478 0.4487	0.5052 0.4544	0.4234	0.4076	0.4682	Ave		0.4508			0.2000	7.0		20.0			
1,3-Dichloropropane	0.4413 0.4882	0.5050 0.4938	0.4410	0.4362	0.4992	Ave		0.4721				6.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	7.3119 9.1553	9.1439 9.5971	8.1942	7.6453	9.2661	Ave		8.6163			0.1000	10.4		20.0			
Dibromochloromethane	0.2969 0.3669	0.3558 0.3765	0.3021	0.3099	0.3718	Ave		0.3400				10.4		20.0			
1,2-Dibromoethane	0.2414 0.2850	0.2862 0.2883	0.2466	0.2493	0.2922	Ave		0.2699			0.1000	8.4		20.0			
1-Chlorohexane	0.5912 0.5260	0.6149 0.5461	0.5025	0.4807	0.5533	Ave		0.5450				8.7		20.0			
Chlorobenzene	1.0778 1.1405	1.2075 1.1265	1.0281	1.0207	1.1787	Ave		1.1114			0.5000	6.5		20.0			
1,1,1,2-Tetrachloroethane	0.3552 0.4000	0.3990 0.4019	0.3366	0.3424	0.4130	Ave		0.3783				8.5		20.0			
Ethylbenzene	1.8627 2.0021	2.0927 2.0110	1.7648	1.7410	2.0480	Ave		1.9318			0.1000	7.3		20.0			
m&p-Xylene	0.7074 0.7802	0.7926 0.7844	0.6982	0.6821	0.8074	Ave		0.7503			0.1000	6.9		20.0			
o-Xylene	0.7186 0.7697	0.7946 0.7651	0.6729	0.6713	0.7877	Ave		0.7400			0.3000	7.1		20.0			
Styrene	1.1353 1.3074	1.2846 1.3098	1.1191	1.1198	1.3407	Ave		1.2310			0.3000	8.2		20.0			
Bromoform	0.1670 0.2203	0.1906 0.2286	0.1781	0.1789	0.2222	Ave		0.1980			0.1000	12.7		20.0			
Isopropylbenzene	1.5822 1.7706	1.8288 1.7853	1.5812	1.5594	1.8260	Ave		1.7048			0.1000	7.3		20.0			
1,1,2,2-Tetrachloroethane	0.6025 0.6595	0.6684 0.6455	0.5777	0.5940	0.6744	Ave		0.6317			0.3000	6.2		20.0			
Bromobenzene	0.8598 0.8999	0.9893 0.8710	0.8413	0.8178	0.9342	Ave		0.8876				6.6		20.0			
trans-1,4-Dichloro-2-butene	0.1207 0.1734	0.1492 0.1760	0.1291	0.1410	0.1694	Ave		0.1513				14.7		20.0			
1,2,3-Trichloropropane	0.1601 0.1778	0.1884 0.1742	0.1618	0.1651	0.1848	Ave		0.1732				6.5		20.0			
N-Propylbenzene	4.0167 4.2410	4.4686 4.1084	3.8618	3.8051	4.3751	Ave		4.1252				6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	0.8391 0.8561	0.9426 0.8419	0.8012	0.7771	0.8783	Ave		0.8481				6.3		20.0			
1,3,5-Trimethylbenzene	2.8281 3.0702	3.2731 3.0629	2.7707	2.7198	3.1693	Ave		2.9849				7.1		20.0			
4-Chlorotoluene	0.8479 0.8939	0.9858 0.8806	0.8278	0.8011	0.9196	Ave		0.8795				7.0		20.0			
tert-Butylbenzene	0.6891 0.6871	0.7513 0.6837	0.6475	0.6277	0.7082	Ave		0.6849				5.9		20.0			
Pentachloroethane	0.4660 0.5746	0.4975 0.5807	0.5056	0.5025	0.5576	Ave		0.5264				8.4		20.0			
1,2,4-Trimethylbenzene	2.8659 3.2060	3.3144 3.1830	2.8021	2.8356	3.2618	Ave		3.0670				7.2		20.0			
sec-Butylbenzene	3.6122 3.9043	4.2037 3.8405	3.5768	3.4919	4.0450	Ave		3.8106				6.9		20.0			
1,3-Dichlorobenzene	1.5814 1.7586	1.8432 1.7580	1.5792	1.5702	1.8255	Ave		1.7023			0.6000	7.1		20.0			
p-Isopropyltoluene	3.1479 3.4042	3.7009 3.3956	3.0893	3.0269	3.5449	Ave		3.3299				7.5		20.0			
1,4-Dichlorobenzene	1.7286 1.8010	1.9807 1.7744	1.6530	1.6466	1.8549	Ave		1.7770			0.5000	6.6		20.0			
1,2,3-Trimethylbenzene	1.3664 1.4169	1.4966 1.4112	1.2956	1.2688	1.4461	Ave		1.3859				5.9		20.0			
Benzyl chloride	0.1882 0.2427	0.2273 0.2453	0.1988	0.2038	0.2467	Ave		0.2218				11.1		20.0			
n-Butylbenzene	1.4804 1.6597	1.7335 1.7118	1.4913	1.4525	1.7077	Ave		1.6053				7.8		20.0			
1,2-Dichlorobenzene	1.4558 1.6262	1.6535 1.6078	1.4338	1.4421	1.6525	Ave		1.5531			0.4000	6.7		20.0			
1,2-Dibromo-3-Chloropropane	0.0659 0.0948	0.0876 0.0972	0.0685	0.0807	0.0957	Ave		0.0844			0.0500	15.5		20.0			
1,3,5-Trichlorobenzene	1.0928 1.2733	1.2377 1.3253	1.0648	1.0734	1.2855	Ave		1.1932				9.4		20.0			
1,2,4-Trichlorobenzene	0.7728 1.0112	0.8797 1.0866	0.7575	0.8111	0.9921	Ave		0.9016			0.2000	14.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.4969 0.5018	0.5442 0.5421	0.4694	0.4518	0.5221	Ave		0.5040				7.0		20.0			
Naphthalene	1.1198 1.7305	1.3642 1.8551	1.1993	1.3607	1.6840	Ave		1.4734				19.2		20.0			
1,2,3-Trichlorobenzene	0.5691 0.7876	0.6832 0.8506	0.5948	0.6262	0.7769	Ave		0.6984				15.5		20.0			
Dibromofluoromethane (Surr)	0.2369 0.2373	0.2366 0.2304	0.2354	0.2393	0.2359	Ave		0.2360				1.2		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0494 0.0481	0.0507 0.0451	0.0487	0.0500	0.0489	Ave		0.0487				3.7		20.0			
Toluene-d8 (Surr)	1.3085 1.3106	1.3080 1.3258	1.3165	1.3083	1.3163	Ave		1.3134				0.5		20.0			
4-Bromofluorobenzene (Surr)	0.4867 0.5001	0.4864 0.5068	0.4965	0.4947	0.5007	Ave		0.4960				1.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC | Job No.: 410-234898-2 | Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 | GC Column: R-624SilMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 | Calibration End Date: 06/04/2025 23:20 | Calibration ID: 73332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/13	CU04X12.D
Level 2	IC 410-652703/14	CU04X13.D
Level 3	IC 410-652703/15	CU04X14.D
Level 4	IC 410-652703/16	CU04X15.D
Level 5	IC 410-652703/17	CU04X16.D
Level 6	ICIS 410-652703/18	CU04X17.D
Level 7	IC 410-652703/19	CU04X18.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	16199 711315	36639 1910119	74421	152735	368860	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloromethane	FB	Ave	21139 829326	44518 2125456	88049	176712	424548	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Butadiene	FB	Ave	26306 867379	56745 2348344	97198	194574	487013	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Vinyl chloride	FB	Ave	17996 755121	37886 1999388	76193	155580	382975	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromomethane	FB	Ave	11642 481890	24105 1264486	48569	104025	234731	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Chloroethane	FB	Ave	10305 428938	22164 1082708	42152	89652	218478	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dichlorofluoromethane	FB	Ave	30223 1243761	60141 3236174	122462	258590	631197	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Trichlorofluoromethane	FB	Ave	21831 940667	48159 2509183	100091	199007	491822	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Diethyl ether	FB	Ave	9225 491609	22436 1255788	46647	94728	242768	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Freon 123a	FB	Ave	15389 675780	33545 1768142	68628	139024	337108	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acrolein	TBAd10	Ave	60296 2884485	182054 7658408	314981	688718	1934430	9.76 488	24.4 1220	48.8	97.6	244
1,1-Dichloroethene	FB	Ave	10921 483327	26733 1204919	46570	86979	246219	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Acetone	TBAd10	Ave	17485 889005	46805 2140201	83461	170436	461621	2.00 100	5.00 250	10.0	20.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	9099	28216	48103	97879	274210	0.200	0.500	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			503735	1330135				10.0	25.0			
Methyl iodide	FB	Ave	20144 1037853	53929 2529869	88856	186388	522326	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl bromide	FB	Ave	9351 488634	22703 1226687	44939	91693	244467	0.200 9.99	0.499 25.0	0.999	2.00	4.99
Carbon disulfide	FB	Ave	35375 1831634	96559 4892051	167455	331656	930282	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl acetate	TBAd10	Ave	5090 222342	12278 599138	18977	53691	122126	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Allyl chloride	FB	Ave	17856 969689	48948 2470462	81834	171803	486779	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylene Chloride	FB	Ave	11142 621763	32383 1502742	54946	110553	311605	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Butyl alcohol	TBAd10	Ave	11696 526705	29554 1435907	56644	102513	252888	4.00 200	10.0 500	20.0	40.0	100
Acrylonitrile	TBAd10	Ave	6656 323997	18145 781903	29349	61778	161848	0.500 25.0	1.25 62.5	2.50	5.00	12.5
trans-1,2-Dichloroethene	FB	Ave	11965 629272	31672 1563294	55552	113688	317436	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl tertiary butyl ether	FB	Ave	33771 1732814	90870 4332630	149746	310841	871880	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Hexane	FB	Ave	14590 815383	46021 2225357	77450	153463	440670	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloroethane	FB	Ave	21511 1143325	57414 2897243	101423	205117	582751	0.200 10.0	0.500 25.0	1.00	2.00	5.00
di-Isopropyl ether	FB	Ave	39418 2133631	108151 5349070	184345	378204	1077291	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chloro-1,3-butadiene	FB	Ave	19255 1005337	51648 2585459	88291	178208	505348	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl t-butyl ether	FB	Ave	38223 2111946	104459 5309585	184283	374966	1061955	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Butanone	TBAd10	Ave	30665 1820498	87186 4479096	152140	323305	917331	2.00 100	5.00 250	10.0	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	13438 728703	37064 1806840	62895	131624	369626	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2,2-Dichloropropane	FB	Ave	18132 864914	47596 2164076	79756	158689	443343	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Propionitrile	TBAd10	Ave	14406 1035564	47161 2533586	74348	180401	532040	4.00 200	10.0 500	20.0	40.0	100
Methacrylonitrile	TBAd10	Ave	28723 1818764	85178 3870205	151963	324042	925357	2.00 100	5.00 250	10.0	20.0	50.0
Bromochloromethane	FB	Ave	6116 323186	17134 771616	27739	58456	166229	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrahydrofuran	TBAd10	Ave	4860 262439	13373 528121	21032	44058	134185	1.00 50.0	2.50 125	5.00	10.0	25.0
Chloroform	FB	Ave	21615 1169649	59315 2899179	101944	208918	594283	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1-Trichloroethane	FB	Ave	19723 1008421	51613 2574084	88566	182214	511035	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Cyclohexane	FB	Ave	19306 1047509	56567 2787364	97296	195263	549662	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Carbon tetrachloride	FB	Ave	15441 873731	44236 2268674	75195	155309	446477	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1-Dichloropropene	FB	Ave	17056 900783	48086 2321034	80703	161099	456100	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isobutyl alcohol	TBAd10	Ave	9875 598754	29650 1472738	51163	109792	309892	10.0 500	25.0 1250	50.0	100	250
Benzene	FB	Ave	50870 2772615	138487 7005346	234806	481493	1375923	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloroethane	FB	Ave	14538 737050	39279 1768362	63946	133938	380971	0.200 10.0	0.500 25.0	1.00	2.00	5.00
t-Amyl methyl ether	FB	Ave	34686 1895057	94606 4721921	160349	332620	955235	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Heptane	FB	Ave	14308 815564	43824 2227963	76961	149894	438591	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butanol	TBAd10	Ave	15631 1064292	40500 2647108	82816	182657	541776	17.5 875	43.8 2188	87.5	175	438
Trichloroethene	FB	Ave	13670 719194	36985 1822983	62640	127863	365052	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methylcyclohexane	FB	Ave	19854 1126284	60861 3004540	104809	207437	599230	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichloropropane	FB	Ave	12755 701824	35654 1793224	61002	123644	354789	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dioxane	TBAd10	Ave	+++++ 133857	6307 324106	12867	26267	72553	+++++ 500	25.0 1250	50.0	100	250
Dibromomethane	FB	Ave	6232 350295	17242 880191	30598	61876	177036	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Methyl methacrylate	TBAd10	Ave	5891 356016	18128 945817	28274	64576	185459	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromodichloromethane	FB	Ave	15282 872507	41926 2234689	73163	151966	439442	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Nitropropane	TBAd10	Ave	10447 585376	26697 1527427	47040	101963	295063	1.00 50.0	2.50 125	5.00	10.0	25.0
1-Bromo-2-chloroethane	FB	Ave	12192 710679	30753 1793643	62445	127120	350362	0.200 10.0	0.500 25.0	1.00	2.00	5.00
cis-1,3-Dichloropropene	FB	Ave	18109 1083083	51547 2789224	91516	186102	542722	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Methyl-2-pentanone	TBAd10	Ave	77682 5021327	223633 12595503	392778	850809	2453811	2.00 100	5.00 250	10.0	20.0	50.0
Toluene	CBZd5	Ave	32891 1766699	89270 4500182	155529	315864	898264	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	15255 936248	44145 2407520	77269	158386	463719	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	13274 824386	37206 2077034	65660	137362	412442	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	9445 505817	25560 1266610	45195	91203	259067	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Tetrachloroethene	CBZd5	Ave	15443 800949	43177 2034654	73096	145331	413166	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3-Dichloropropane	CBZd5	Ave	15218 871446	43165 2211341	76134	155518	440551	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Hexanone	TBAd10	Ave	51556 3583142	159634 9124749	285086	618240	1807304	2.00 100	5.00 250	10.0	20.0	50.0
Dibromochloromethane	CBZd5	Ave	10239 654881	30414 1686150	52157	110483	328142	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromoethane	CBZd5	Ave	8323 508777	24466 1291218	42569	88880	257871	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1-Chlorohexane	CBZd5	Ave	20389 938849	52561 2445378	86748	171417	488277	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZd5	Ave	37169 2035693	103211 5044757	177474	363956	1040176	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	12249 714022	34106 1799576	58098	122089	364416	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Ethylbenzene	CBZd5	Ave	64236 3573708	178871 9005284	304648	620788	1807246	0.200 10.0	0.500 25.0	1.00	2.00	5.00
m&p-Xylene	CBZd5	Ave	48788 2785164	135488 7024802	241061	486454	1425023	0.400 20.0	1.00 50.0	2.00	4.00	10.0
o-Xylene	CBZd5	Ave	24780 1373841	67921 3426341	116161	239367	695086	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Styrene	CBZd5	Ave	39152 2333644	109797 5865468	193183	399285	1183154	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromoform	CBZd5	Ave	5760 393310	16294 1023710	30743	63801	196118	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Isopropylbenzene	CBZd5	Ave	54563 3160521	156315 7994918	272955	556019	1611339	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,1,2,2-Tetrachloroethane	DCBd4	Ave	11067 658027	30206 1671405	54271	115023	331165	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Bromobenzene	DCBd4	Ave	15792 897841	44707 2255347	79024	158356	458738	0.200 10.0	0.500 25.0	1.00	2.00	5.00
trans-1,4-Dichloro-2-butene	DCBd4	Ave	22171 1730386	67428 4558072	121230	273068	832051	2.00 100	5.00 250	10.0	20.0	50.0
1,2,3-Trichloropropane	DCBd4	Ave	2941 177391	8512 450975	15198	31967	90769	0.200 10.0	0.500 25.0	1.00	2.00	5.00
N-Propylbenzene	DCBd4	Ave	73775 4231523	201935 10638326	362762	736830	2148429	0.200 10.0	0.500 25.0	1.00	2.00	5.00
2-Chlorotoluene	DCBd4	Ave	15412 854229	42598 2179924	75265	150474	431288	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trimethylbenzene	DCBd4	Ave	51944 3063306	147909 7931026	260269	526671	1556329	0.200 10.0	0.500 25.0	1.00	2.00	5.00
4-Chlorotoluene	DCBd4	Ave	15573 891868	44548 2280252	77762	155124	451553	0.200 10.0	0.500 25.0	1.00	2.00	5.00
tert-Butylbenzene	DCBd4	Ave	12657 685518	33953 1770290	60824	121542	347754	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Pentachloroethane	DCBd4	Ave	8559 573273	22482 1503708	47492	97302	273834	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trimethylbenzene	DCBd4	Ave	52639 3198872	149776 8242089	263217	549085	1601753	0.200 10.0	0.500 25.0	1.00	2.00	5.00
sec-Butylbenzene	DCBd4	Ave	66346 3895567	189963 9944673	335990	676177	1986304	0.200 10.0	0.500 25.0	1.00	2.00	5.00

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3-Dichlorobenzene	DCBd4	Ave	29045 1754616	83293 4552267	148339	304052	896416	0.200 10.0	0.500 25.0	1.00	2.00	5.00
p-Isopropyltoluene	DCBd4	Ave	57818 3396561	167243 8792472	290194	586132	1740754	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,4-Dichlorobenzene	DCBd4	Ave	31750 1796973	89506 4594565	155274	318860	910871	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trimethylbenzene	DCBd4	Ave	25097 1413730	67632 3654193	121701	245691	710123	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Benzyl chloride	DCBd4	Ave	3457 242134	10271 635228	18678	39473	121164	0.200 10.0	0.500 25.0	1.00	2.00	5.00
n-Butylbenzene	DCBd4	Ave	27191 1655944	78339 4432606	140086	281274	838585	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dichlorobenzene	DCBd4	Ave	26738 1622585	74720 4163188	134689	279256	811448	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1210 94571	3958 251795	6437	15636	47000	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,3,5-Trichlorobenzene	DCBd4	Ave	20072 1270413	55932 3431609	100020	207850	631233	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,4-Trichlorobenzene	DCBd4	Ave	14194 1008958	39754 2813772	71154	157064	487193	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Hexachlorobutadiene	DCBd4	Ave	9127 500714	24592 1403830	44091	87493	256357	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Naphthalene	DCBd4	Ave	20567 1726665	61647 4803722	112656	263482	826933	0.200 10.0	0.500 25.0	1.00	2.00	5.00
1,2,3-Trichlorobenzene	DCBd4	Ave	10453 785866	30876 2202657	55874	121255	381517	0.200 10.0	0.500 25.0	1.00	2.00	5.00
Dibromofluoromethane (Surr)	FB	Ave	541327 559311	529654 549208	535871	555310	545788	10.0 10.0	10.0 10.0	10.0	10.0	10.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	112974 113375	113484 107416	110913	115978	113081	10.0 10.0	10.0 10.0	10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	2256231 2339352	2235974 2374813	2272533	2332401	2323180	10.0 10.0	10.0 10.0	10.0	10.0	10.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	839185 892633	831439 907728	857005	882041	883630	10.0 10.0	10.0 10.0	10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-652703/13	CU04X12.D
Level 2	IC 410-652703/14	CU04X13.D
Level 3	IC 410-652703/15	CU04X14.D
Level 4	IC 410-652703/16	CU04X15.D
Level 5	IC 410-652703/17	CU04X16.D
Level 6	ICIS 410-652703/18	CU04X17.D
Level 7	IC 410-652703/19	CU04X18.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	8.9 -1.5	0.5	0.4	1.1	-2.0	-7.3	50 30	30	30	30	30	30
Chloromethane	19.8 -7.6	3.0	0.1	-1.4	-5.0	-8.9	50 30	30	30	30	30	30
1,3-Butadiene	29.5 -11.4	14.0	-4.0	-5.7	-5.3	-17.2	50 30	30	30	30	30	30
Vinyl chloride	15.4 -1.7	-0.8	-1.9	-1.8	-3.0	-6.1	50 30	30	30	30	30	30
Bromomethane	16.8 -2.7	-1.3	-2.2	2.7	-7.0	-6.3	50 30	30	30	30	30	30
Chloroethane	16.5 -6.1	2.3	-4.3	-0.2	-2.4	-5.9	50 30	30	30	30	30	30
Dichlorofluoromethane	18.4 -2.8	-3.8	-3.7	-0.3	-2.3	-5.5	50 30	30	30	30	30	30
Trichlorofluoromethane	10.7 -2.5	-0.3	1.8	-0.7	-1.5	-7.5	50 30	30	30	30	30	30
Diethyl ether	-1.9 2.4	-2.6	-0.4	-0.8	2.0	1.4	50 30	30	30	30	30	30
Freon 123a	11.6 -1.7	-0.7	-0.1	-0.7	-3.4	-5.0	50 30	30	30	30	30	30
Acrolein	-3.3 -8.9	17.9	2.4	-3.7	12.2	-16.6	50 30	30	30	30	30	30
1,1-Dichloroethene	12.3 -5.0	12.2	-3.9	-12.0	0.0	-3.6	50 30	30	30	30	30	30
Acetone	4.8 -4.8	13.4	1.4	-10.9	0.1	-4.0	50 30	30	30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	-9.9 1.0	14.0	-4.4	-4.6	7.3	-3.3	50 30	30	30	30	30	30
Methyl iodide	1.8 -2.0	11.3	-9.9	-7.3	4.3	1.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Ethyl bromide	0.4 1.0	-0.5	-3.2	-3.1	3.7	1.7	50 30	30	30	30	30	30
Carbon disulfide	-1.3 4.7	10.0	-6.2	-8.9	2.6	-0.9	50 30	30	30	30	30	30
Methyl acetate	13.3 -1.1	10.4	-14.4	4.2	-1.7	-10.8	50 30	30	30	30	30	30
Allyl chloride	-2.5 3.5	9.1	-10.3	-7.6	5.0	2.7	50 30	30	30	30	30	30
Methylene Chloride	-5.1 -1.8	12.6	-6.0	-7.3	4.9	2.7	50 30	30	30	30	30	30
t-Butyl alcohol	11.6 1.7	13.9	9.6	-14.7	-12.7	-9.4	50 30	30	30	30	30	30
Acrylonitrile	8.8 -5.2	19.8	-2.7	-11.9	-4.3	-4.5	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-0.3 -0.1	7.8	-7.0	-6.7	4.6	1.7	50 30	30	30	30	30	30
Methyl tertiary butyl ether	1.5 -0.1	11.5	-9.6	-8.0	3.6	1.0	50 30	30	30	30	30	30
n-Hexane	-10.7 4.5	15.0	-4.8	-7.5	6.6	-3.2	50 30	30	30	30	30	30
1,1-Dichloroethane	-1.5 1.7	7.3	-6.8	-7.6	5.4	1.5	50 30	30	30	30	30	30
di-Isopropyl ether	-2.4 1.5	9.3	-8.4	-7.8	5.4	2.4	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-0.1 2.9	9.4	-8.0	-9.0	3.6	1.2	50 30	30	30	30	30	30
Ethyl t-butyl ether	-3.9 2.4	7.2	-7.0	-7.2	5.5	3.0	50 30	30	30	30	30	30
2-Butanone	-4.2 3.8	10.0	-3.7	-11.9	3.6	2.5	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	-2.8 0.3	9.5	-8.7	-6.2	5.7	2.2	50 30	30	30	30	30	30
2,2-Dichloropropane	5.7 -3.3	13.3	-6.7	-8.9	2.1	-2.2	50 30	30	30	30	30	30
Propionitrile	-16.6 8.8	10.3	-12.8	-8.9	11.3	8.0	50 30	30	30	30	30	30
Methacrylonitrile	-7.4 -7.5	10.9	-0.7	-8.9	7.9	5.7	50 30	30	30	30	30	30
Bromochloromethane	-0.9 -4.1	13.4	-9.7	-6.7	6.5	1.6	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Tetrahydrofuran	6.8 -14.0	18.7	-6.4	-15.6	6.6	3.9	50 30	30	30	30	30	30
Chloroform	-2.5 0.2	9.2	-7.7	-7.3	5.9	2.3	50 30	30	30	30	30	30
1,1,1-Trichloroethane	1.5 1.6	8.5	-8.5	-7.7	3.9	0.6	50 30	30	30	30	30	30
Cyclohexane	-6.5 3.5	11.8	-5.4	-6.9	5.2	-1.6	50 30	30	30	30	30	30
Carbon tetrachloride	-6.7 5.1	9.1	-8.8	-7.6	6.6	2.4	50 30	30	30	30	30	30
1,1-Dichloropropene	-2.2 2.1	12.6	-7.1	-9.0	3.4	0.2	50 30	30	30	30	30	30
Isobutyl alcohol	-7.5 2.3	12.2	-2.8	-10.3	5.0	1.1	50 30	30	30	30	30	30
Benzene	-2.1 3.4	8.8	-9.3	-8.8	4.6	3.4	50 30	30	30	30	30	30
1,2-Dichloroethane	2.3 -4.6	12.8	-9.7	-7.2	5.9	0.5	50 30	30	30	30	30	30
t-Amyl methyl ether	-2.5 1.8	8.6	-9.5	-7.9	6.1	3.3	50 30	30	30	30	30	30
n-Heptane	-11.1 6.2	11.2	-4.0	-8.3	7.7	-1.7	50 30	30	30	30	30	30
n-Butanol	-11.1 11.6	-7.0	-4.6	-9.4	11.4	9.0	50 30	30	30	30	30	30
Trichloroethene	-0.6 1.6	9.8	-8.6	-8.5	4.9	1.4	50 30	30	30	30	30	30
Methylcyclohexane	-10.2 4.2	12.4	-4.8	-7.6	7.1	-1.2	50 30	30	30	30	30	30
1,2-Dichloropropane	-4.1 3.4	9.4	-7.9	-8.5	5.4	2.3	50 30	30	30	30	30	30
1,4-Dioxane	+++++ -3.1	2.7	5.1	-7.7	5.7	-2.8	30	50	30	30	30	30
Dibromomethane	-5.2 2.6	7.0	-6.6	-7.4	6.3	3.3	50 30	30	30	30	30	30
Methyl methacrylate	-7.8 9.8	14.6	-10.3	-11.8	5.0	0.4	50 30	30	30	30	30	30
Bromodichloromethane	-5.7 5.7	5.6	-9.4	-7.7	7.1	4.4	50 30	30	30	30	30	30
2-Nitropropane	1.3 9.8	4.5	-7.6	-13.8	3.4	2.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1-Bromo-2-chloroethane	-6.4 5.6	-3.6	-3.8	-3.9	6.3	5.8	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-9.2 7.2	5.5	-7.9	-8.2	7.5	5.2	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-8.5 10.0	6.4	-6.3	-12.6	4.5	6.5	50 30	30	30	30	30	30
Toluene	-1.8 3.5	7.6	-7.2	-8.8	4.8	1.9	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-9.9 9.5	5.1	-8.9	-9.6	7.0	6.8	50 30	30	30	30	30	30
Ethyl methacrylate	-9.5 9.0	2.3	-10.6	-9.5	9.8	8.5	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-1.7 1.5	7.3	-6.0	-8.2	5.4	1.7	50 30	30	30	30	30	30
Tetrachloroethene	-0.7 0.8	12.1	-6.1	-9.6	3.9	-0.5	50 30	30	30	30	30	30
1,3-Dichloropropane	-6.5 4.6	7.0	-6.6	-7.6	5.7	3.4	50 30	30	30	30	30	30
2-Hexanone	-15.1 11.4	6.1	-4.9	-11.3	7.5	6.3	50 30	30	30	30	30	30
Dibromochloromethane	-12.7 10.7	4.7	-11.1	-8.9	9.4	7.9	50 30	30	30	30	30	30
1,2-Dibromoethane	-10.6 6.8	6.1	-8.6	-7.6	8.3	5.6	50 30	30	30	30	30	30
1-Chlorohexane	8.5 0.2	12.8	-7.8	-11.8	1.5	-3.5	50 30	30	30	30	30	30
Chlorobenzene	-3.0 1.4	8.6	-7.5	-8.2	6.1	2.6	50 30	30	30	30	30	30
1,1,1,2-Tetrachloroethane	-6.1 6.2	5.5	-11.0	-9.5	9.2	5.7	50 30	30	30	30	30	30
Ethylbenzene	-3.6 4.1	8.3	-8.6	-9.9	6.0	3.6	50 30	30	30	30	30	30
m&p-Xylene	-5.7 4.5	5.6	-6.9	-9.1	7.6	4.0	50 30	30	30	30	30	30
o-Xylene	-2.9 3.4	7.4	-9.1	-9.3	6.4	4.0	50 30	30	30	30	30	30
Styrene	-7.8 6.4	4.4	-9.1	-9.0	8.9	6.2	50 30	30	30	30	30	30
Bromoform	-15.6 15.5	-3.7	-10.0	-9.6	12.3	11.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Isopropylbenzene	-7.2 4.7	7.3	-7.2	-8.5	7.1	3.9	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-4.6 2.2	5.8	-8.5	-6.0	6.8	4.4	50 30	30	30	30	30	30
Bromobenzene	-3.1 -1.9	11.5	-5.2	-7.9	5.2	1.4	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-20.2 16.4	-1.4	-14.7	-6.8	12.0	14.6	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-7.5 0.6	8.8	-6.6	-4.7	6.7	2.7	50 30	30	30	30	30	30
N-Propylbenzene	-2.6 -0.4	8.3	-6.4	-7.8	6.1	2.8	50 30	30	30	30	30	30
2-Chlorotoluene	-1.1 -0.7	11.2	-5.5	-8.4	3.6	1.0	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-5.3 2.6	9.7	-7.2	-8.9	6.2	2.9	50 30	30	30	30	30	30
4-Chlorotoluene	-3.6 0.1	12.1	-5.9	-8.9	4.6	1.6	50 30	30	30	30	30	30
tert-Butylbenzene	0.6 -0.2	9.7	-5.5	-8.4	3.4	0.3	50 30	30	30	30	30	30
Pentachloroethane	-11.5 10.3	-5.5	-3.9	-4.5	5.9	9.2	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-6.6 3.8	8.1	-8.6	-7.5	6.4	4.5	50 30	30	30	30	30	30
sec-Butylbenzene	-5.2 0.8	10.3	-6.1	-8.4	6.1	2.5	50 30	30	30	30	30	30
1,3-Dichlorobenzene	-7.1 3.3	8.3	-7.2	-7.8	7.2	3.3	50 30	30	30	30	30	30
p-Isopropyltoluene	-5.5 2.0	11.1	-7.2	-9.1	6.5	2.2	50 30	30	30	30	30	30
1,4-Dichlorobenzene	-2.7 -0.1	11.5	-7.0	-7.3	4.4	1.3	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-1.4 1.8	8.0	-6.5	-8.5	4.3	2.2	50 30	30	30	30	30	30
Benzyl chloride	-15.2 10.6	2.5	-10.4	-8.1	11.2	9.4	50 30	30	30	30	30	30
n-Butylbenzene	-7.8 6.6	8.0	-7.1	-9.5	6.4	3.4	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-6.3 3.5	6.5	-7.7	-7.1	6.4	4.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 652703

SDG No.:

Instrument ID: 10193 GC Column: R-624SilMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/04/2025 21:06 Calibration End Date: 06/04/2025 23:20 Calibration ID: 73332

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,2-Dibromo-3-Chloropropane	-21.9 15.3	3.8	-18.8	-4.3	13.5	12.4	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-8.4 11.1	3.7	-10.8	-10.0	7.7	6.7	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-14.3 20.5	-2.4	-16.0	-10.0	10.0	12.2	50 30	30	30	30	30	30
Hexachlorobutadiene	-1.4 7.6	8.0	-6.9	-10.4	3.6	-0.4	50 30	30	30	30	30	30
Naphthalene	-24.0 25.9	-7.4	-18.6	-7.6	14.3	17.5	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-18.5 21.8	-2.2	-14.8	-10.3	11.2	12.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.4 -2.4	0.3	-0.3	1.4	0.0	0.6	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.5 -7.5	4.1	0.0	2.6	0.4	-1.2	50 30	30	30	30	30	30
Toluene-d8 (Surr)	-0.4 0.9	-0.4	0.2	-0.4	0.2	-0.2	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.9 2.2	-1.9	0.1	-0.2	0.9	0.8	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D
Lims ID: IC std1 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Jun-2025 21:06:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-013
Misc. Info.: IC STD.2 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:16 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:40:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.756	1.762	-0.006	99	16199	0.2000	0.2178	
5 Chloromethane	50	1.945	1.945	0.000	99	21139	0.2000	0.2396	
7 Butadiene	39	2.018	2.025	-0.007	96	26306	0.2000	0.2590	M
6 Vinyl chloride	62	2.043	2.043	0.000	98	17996	0.2000	0.2308	
9 Bromomethane	94	2.348	2.348	0.000	91	11642	0.2000	0.2335	M
10 Chloroethane	64	2.366	2.372	-0.006	99	10305	0.2000	0.2331	
11 Dichlorofluoromethane	67	2.567	2.634	-0.067	94	30223	0.2000	0.2368	M
13 Pentane	43	2.640	2.646	-0.006	95	16757	0.2000	0.1954	
12 Trichlorofluoromethane	101	2.683	2.677	0.006	96	21831	0.2000	0.2213	M
14 Ethyl ether	59	2.823	2.823	0.000	92	9225	0.2001	0.1963	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.927	-0.006	91	15389	0.2000	0.2232	
17 Acrolein	56	2.969	2.970	-0.001	98	60296	9.76	9.44	
18 1,1-Dichloroethene	96	3.085	3.098	-0.013	97	10921	0.2000	0.2246	
20 Acetone	43	3.122	3.116	0.006	87	17485	2.00	2.10	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.140	-0.012	91	9099	0.2000	0.1802	
24 Isopropyl alcohol	45	3.238	3.250	-0.012	32	6196	4.00	3.91	M
22 Iodomethane	142	3.256	3.262	-0.006	99	20144	0.2000	0.2036	M
23 Ethyl bromide	108	3.286	3.280	0.006	98	9351	0.1998	0.2006	
25 Carbon disulfide	76	3.347	3.347	0.000	99	35375	0.2000	0.1974	M
26 Methyl acetate	43	3.457	3.469	-0.012	20	5090	0.2000	0.2267	M
29 3-Chloro-1-propene	41	3.494	3.500	-0.006	85	17856	0.2000	0.1951	a
* 31 t-Butyl alcohol-d10 (IS)	65	3.658	3.652	0.006	96	176275	50.0	50.0	
30 Methylene Chloride	84	3.652	3.658	-0.006	58	11142	0.2000	0.1898	
32 2-Methyl-2-propanol	59	3.750	3.774	-0.024	94	11696	4.00	4.47	M
33 Acrylonitrile	53	3.975	3.957	0.018	25	6656	0.5000	0.5442	
34 Methyl tert-butyl ether	73	4.030	4.018	0.012	94	33771	0.2000	0.2031	
35 trans-1,2-Dichloroethene	96	4.006	4.018	-0.012	98	11965	0.2000	0.1995	
36 Hexane	57	4.420	4.414	0.006	95	14590	0.2000	0.1787	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	21511	0.2000	0.1969	
39 Isopropyl ether	45	4.725	4.725	0.000	92	39418	0.2000	0.1952	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.768	4.768	0.000	91	19255	0.2000	0.1998	
41 Tert-butyl ethyl ether	59	5.268	5.274	-0.006	97	38223	0.2000	0.1922	
42 2-Butanone (MEK)	43	5.487	5.475	0.012	99	30665	2.00	1.92	
43 cis-1,2-Dichloroethene	96	5.518	5.512	0.006	87	13438	0.2000	0.1945	
44 2,2-Dichloropropane	77	5.518	5.530	-0.012	88	18132	0.2000	0.2114	
45 Propionitrile	54	5.597	5.573	0.024	98	14406	4.00	3.34	
47 Methacrylonitrile	67	5.792	5.798	-0.006	92	28723	2.00	1.85	
48 Chlorobromomethane	128	5.841	5.853	-0.012	62	6116	0.2000	0.1983	
49 Tetrahydrofuran	71	5.865	5.853	0.012	67	4860	1.00	1.07	M
50 Chloroform	83	6.005	6.012	-0.007	93	21615	0.2000	0.1949	
S 52 1,2-Dichloroethene, Total	100				0			0.3940	
$ 54 Dibromofluoromethane (Surr)	113	6.231	6.231	0.000	93	541327	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.225	6.231	-0.006	62	19723	0.2000	0.2030	
55 Cyclohexane	56	6.322	6.329	-0.007	92	19306	0.2000	0.1870	
56 Carbon tetrachloride	117	6.444	6.444	0.000	89	15441	0.2000	0.1866	
57 1,1-Dichloropropene	75	6.456	6.457	-0.001	90	17056	0.2000	0.1957	
58 Isobutyl alcohol	41	6.658	6.652	0.006	92	9875	10.0	9.25	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	99	112974	10.0	10.2	
60 Benzene	78	6.719	6.725	-0.006	95	50870	0.2000	0.1958	
61 1,2-Dichloroethane	62	6.810	6.798	0.012	71	14538	0.2000	0.2046	
64 Tert-amyl methyl ether	73	6.920	6.932	-0.012	98	34686	0.2000	0.1951	Ma
* 65 Fluorobenzene (IS)	96	7.139	7.139	0.000	99	2284843	10.0	10.0	
66 n-Heptane	43	7.158	7.164	-0.006	93	14308	0.2000	0.1778	
67 n-Butanol	56	7.627	7.566	0.061	22	15631	17.5	15.6	M
68 Trichloroethene	95	7.627	7.633	-0.006	97	13670	0.2000	0.1988	
69 Methylcyclohexane	83	7.938	7.938	0.000	91	19854	0.2000	0.1797	
70 1,2-Dichloropropane	63	7.968	7.975	-0.007	94	12755	0.2000	0.1918	
71 2-ethoxy-2-methyl butane	87	7.993	8.005	-0.012	94	19584	0.2000	0.1880	
74 1,4-Dioxane	88	8.090	8.072	0.018	55	1004	10.0	4.05	M
73 Methyl methacrylate	69	8.096	8.084	0.012	87	5891	0.2000	0.1845	
72 Dibromomethane	93	8.078	8.084	-0.006	90	6232	0.2000	0.1895	
76 Dichlorobromomethane	83	8.340	8.334	0.006	98	15282	0.2000	0.1886	
77 2-Nitropropane	41	8.627	8.621	0.006	98	10447	1.00	1.01	
78 1-Bromo-2-chloroethane	63	8.730	8.731	-0.001	98	12192	0.2000	0.1872	
80 cis-1,3-Dichloropropene	75	8.919	8.907	0.012	95	18109	0.2000	0.1815	
82 4-Methyl-2-pentanone (MIBK)	43	9.121	9.115	0.006	97	77682	2.00	1.83	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2256231	10.0	9.96	
84 Toluene	92	9.328	9.328	0.000	98	32891	0.2000	0.1964	
85 trans-1,3-Dichloropropene	75	9.633	9.627	0.006	93	15255	0.2000	0.1801	
86 Ethyl methacrylate	69	9.712	9.706	0.006	88	13274	0.2000	0.1809	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	89	9445	0.2000	0.1966	
88 Tetrachloroethene	166	9.925	9.925	0.000	97	15443	0.2000	0.1987	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	90	15218	0.2000	0.1869	
S 107 1,3-Dichloropropene, Total	100				0			0.3616	
106 2-Hexanone	43	10.096	10.090	0.006	97	51556	2.00	1.70	
108 Chlorodibromomethane	129	10.242	10.242	0.000	89	10239	0.2000	0.1747	
110 Ethylene Dibromide	107	10.358	10.352	0.006	98	8323	0.2000	0.1789	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1724253	10.0	10.0	
112 1-Chlorohexane	91	10.840	10.834	0.006	65	20389	0.2000	0.2170	
113 Chlorobenzene	112	10.840	10.840	0.000	97	37169	0.2000	0.1940	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	93	12249	0.2000	0.1878	
115 Ethylbenzene	91	10.937	10.937	0.000	99	64236	0.2000	0.1929	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.065	11.059	0.006	96	48788	0.4000	0.3771	
S 117 Xylenes, Total	106				0			0.5713	
118 o-Xylene	106	11.407	11.401	0.006	96	24780	0.2000	0.1942	
119 Styrene	104	11.425	11.419	0.006	94	39152	0.2000	0.1845	
120 Bromoform	173	11.577	11.578	-0.001	96	5760	0.2000	0.1687	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	54563	0.2000	0.1856	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	839185	10.0	9.81	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	68	11067	0.2000	0.1908	
125 Bromobenzene	156	11.980	11.980	0.000	91	15792	0.2000	0.1937	
127 trans-1,4-Dichloro-2-butene	53	12.010	12.004	0.006	90	22171	2.00	1.60	
128 1,2,3-Trichloropropane	110	12.022	12.023	-0.001	74	2941	0.2000	0.1849	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	73775	0.2000	0.1947	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	15412	0.2000	0.1979	
131 1,3,5-Trimethylbenzene	105	12.205	12.199	0.006	94	51944	0.2000	0.1895	
132 4-Chlorotoluene	126	12.236	12.230	0.006	98	15573	0.2000	0.1928	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	12657	0.2000	0.2012	
134 Pentachloroethane	167	12.480	12.474	0.006	78	8559	0.2000	0.1771	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	52639	0.2000	0.1869	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	66346	0.2000	0.1896	
137 1,3-Dichlorobenzene	146	12.717	12.712	0.005	98	29045	0.2000	0.1858	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	57818	0.2000	0.1891	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.772	0.000	95	918354	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.784	12.785	-0.001	92	31750	0.2000	0.1946	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	97	25097	0.2000	0.1972	
142 Benzyl chloride	126	12.876	12.870	0.006	99	3457	0.2000	0.1697	
145 p-Diethylbenzene	119	13.010	13.004	0.006	93	33970	0.2000	0.1835	
143 n-Butylbenzene	92	13.028	13.029	0.000	97	27191	0.2000	0.1844	
144 1,2-Dichlorobenzene	146	13.059	13.053	0.006	99	26738	0.2000	0.1875	
148 1,2-Dibromo-3-Chloropropane	155	13.614	13.608	0.006	83	1210	0.2000	0.1562	
149 1,3,5-Trichlorobenzene	180	13.742	13.736	0.006	98	20072	0.2000	0.1832	
150 1,2,4-Trichlorobenzene	180	14.174	14.169	0.005	93	14194	0.2000	0.1714	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	85	9127	0.2000	0.1972	
152 Naphthalene	128	14.357	14.345	0.012	97	20567	0.2000	0.1520	
153 1,2,3-Trichlorobenzene	180	14.504	14.492	0.012	95	10453	0.2000	0.1630	
154 2-Methylnaphthalene	142	15.113	15.101	0.012	93	5744	0.2000	0.5235	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00168	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

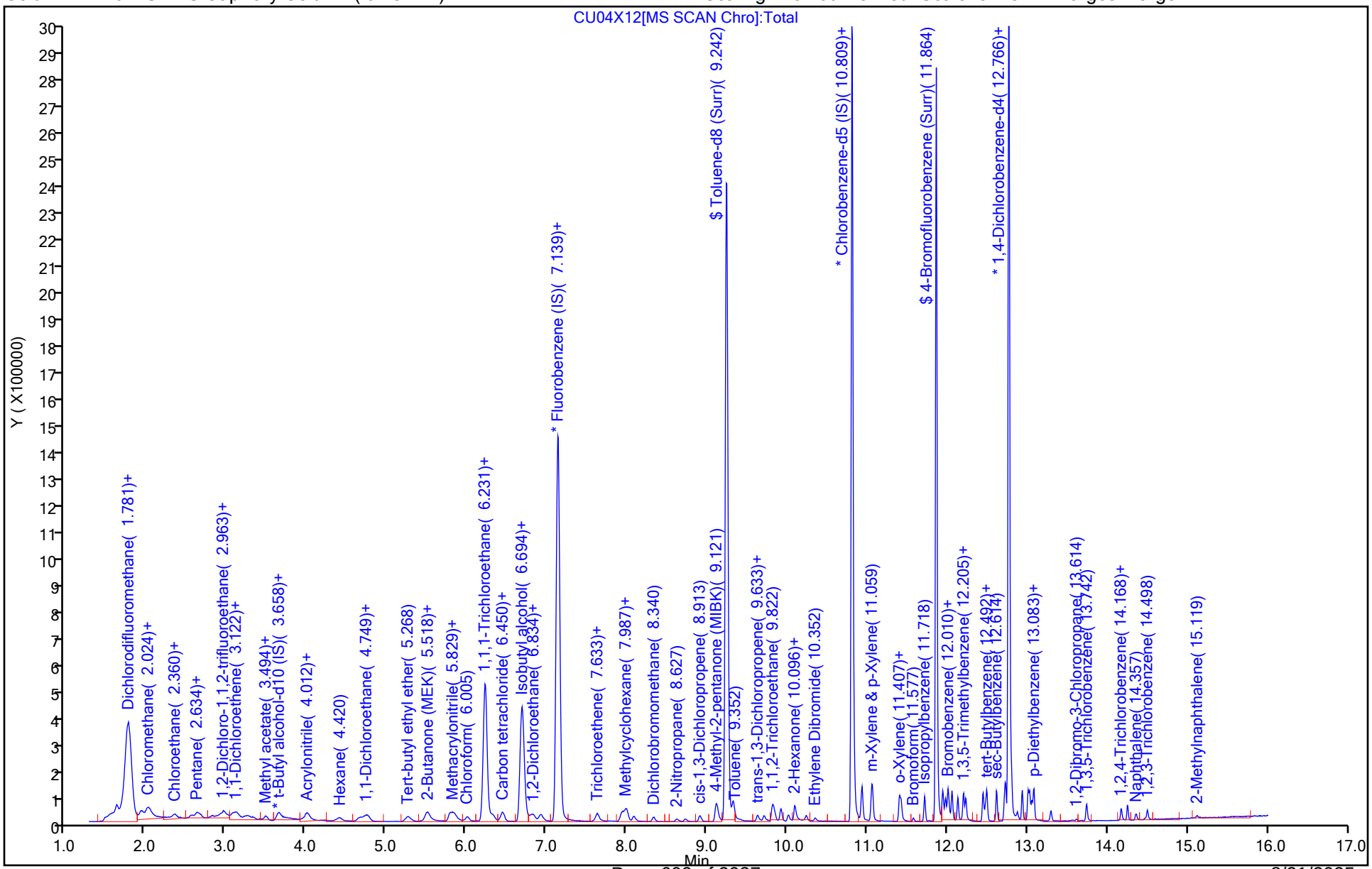
Report Date: 06-Jun-2025 09:18:17 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D

Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std1 0.2			Worklist Smp#:	13
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

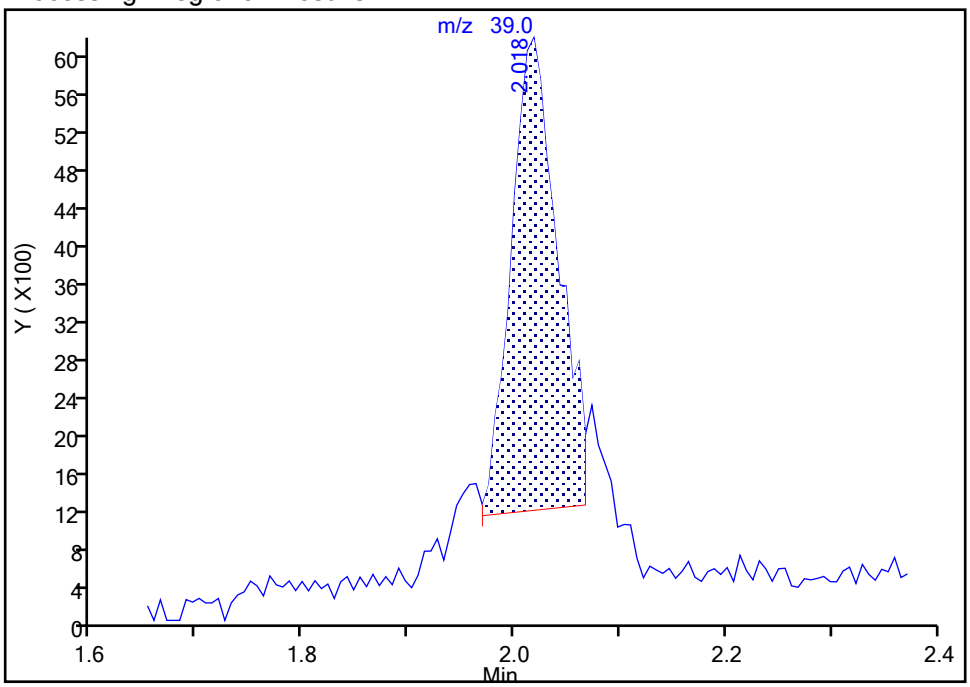
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Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Signal: 1

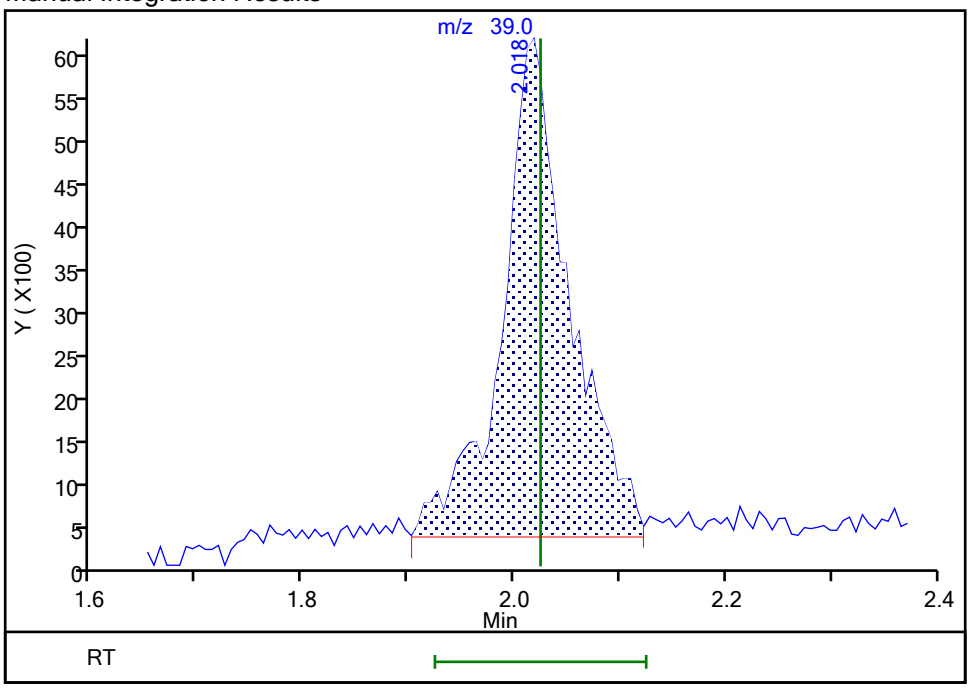
Processing Integration Results

RT: 2.02
Area: 15526
Amount: 0.165390
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 26306
Amount: 0.258981
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:54:33 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

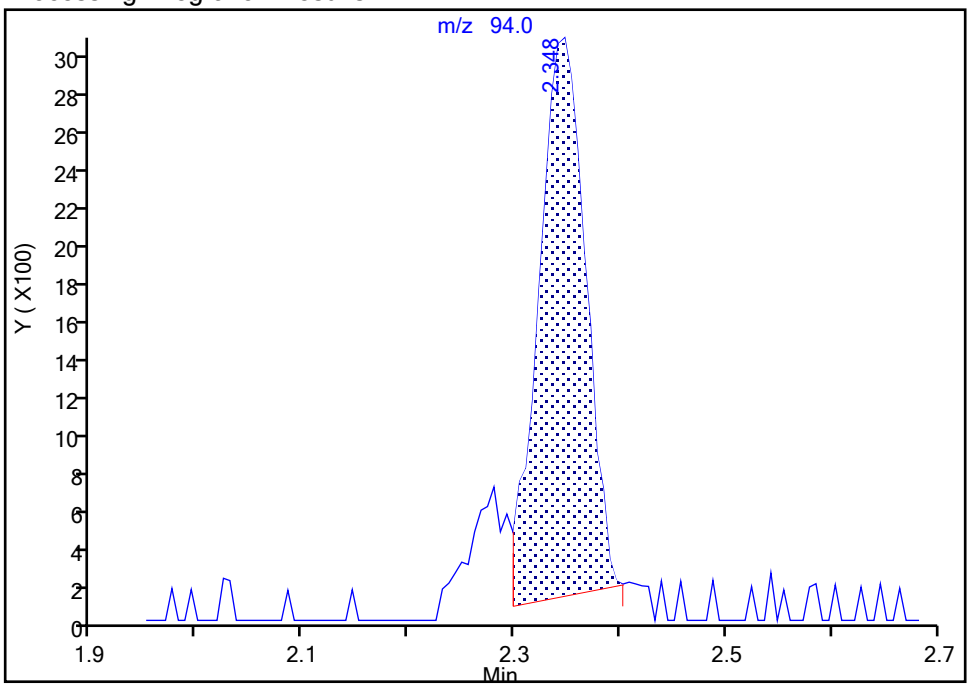
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Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

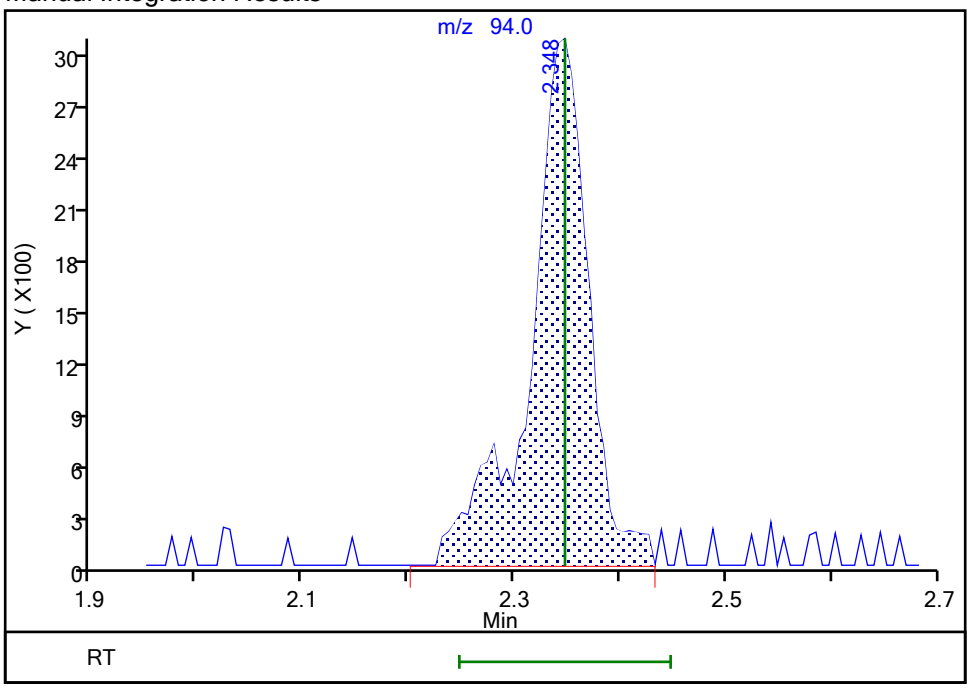
Processing Integration Results

RT: 2.35
Area: 8864
Amount: 0.185192
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 11642
Amount: 0.233550
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:54:39 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

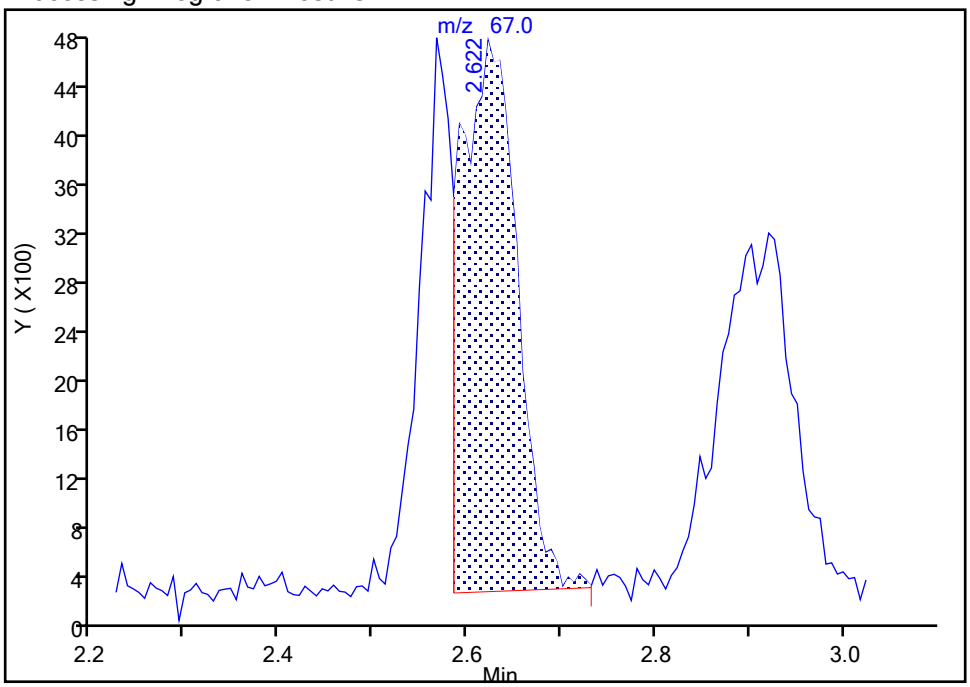
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Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

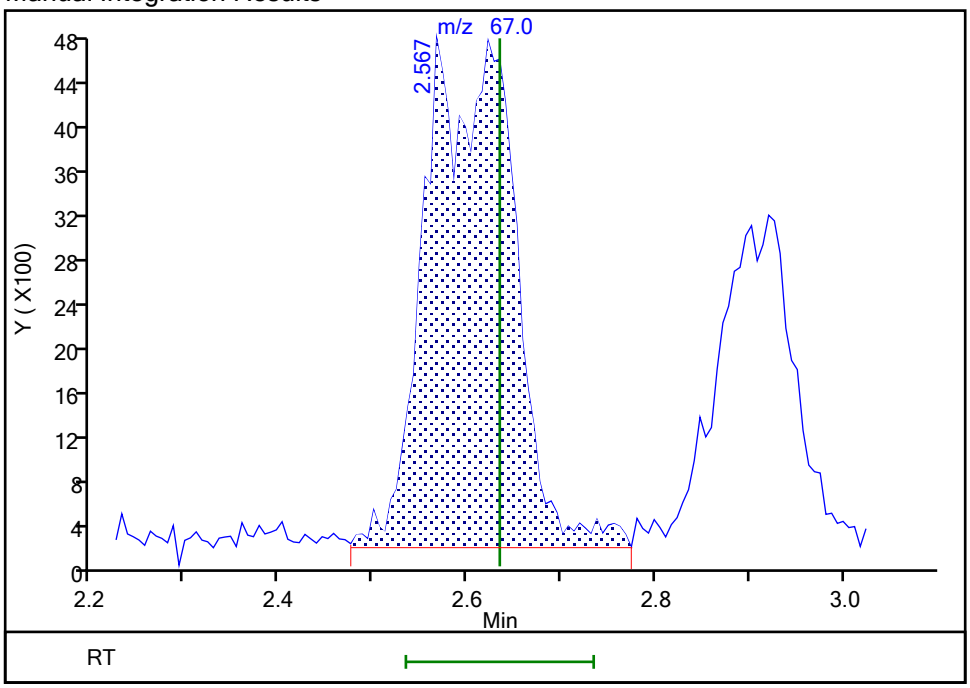
Processing Integration Results

RT: 2.62
Area: 18898
Amount: 0.158086
Amount Units: ug/l



Manual Integration Results

RT: 2.57
Area: 30223
Amount: 0.236798
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:55:02 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

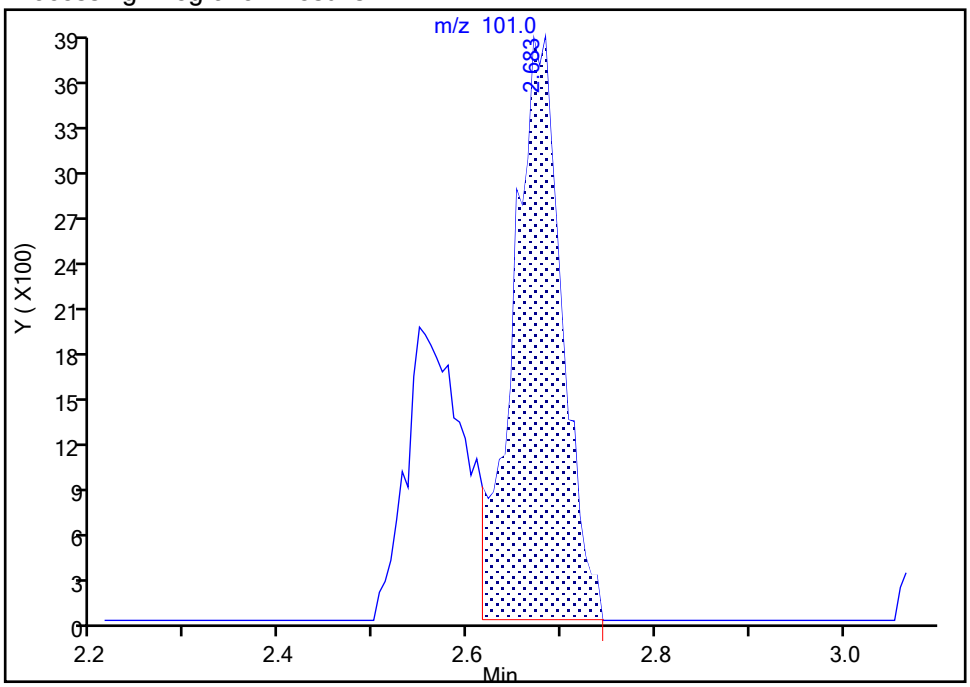
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Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

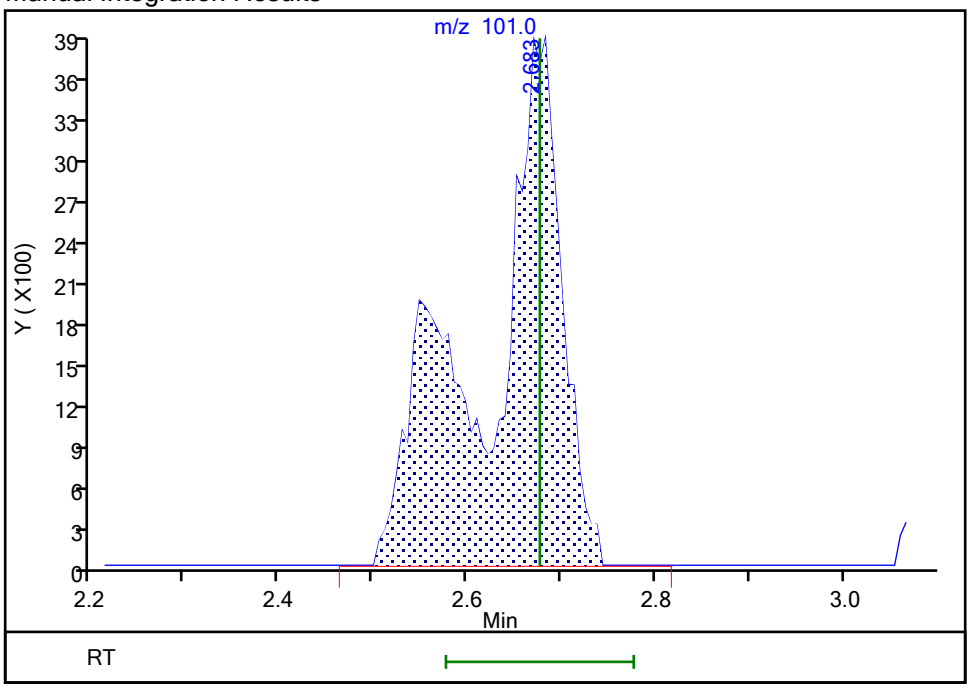
Processing Integration Results

RT: 2.68
Area: 13964
Amount: 0.150102
Amount Units: ug/l



Manual Integration Results

RT: 2.68
Area: 21831
Amount: 0.221335
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:55:07 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

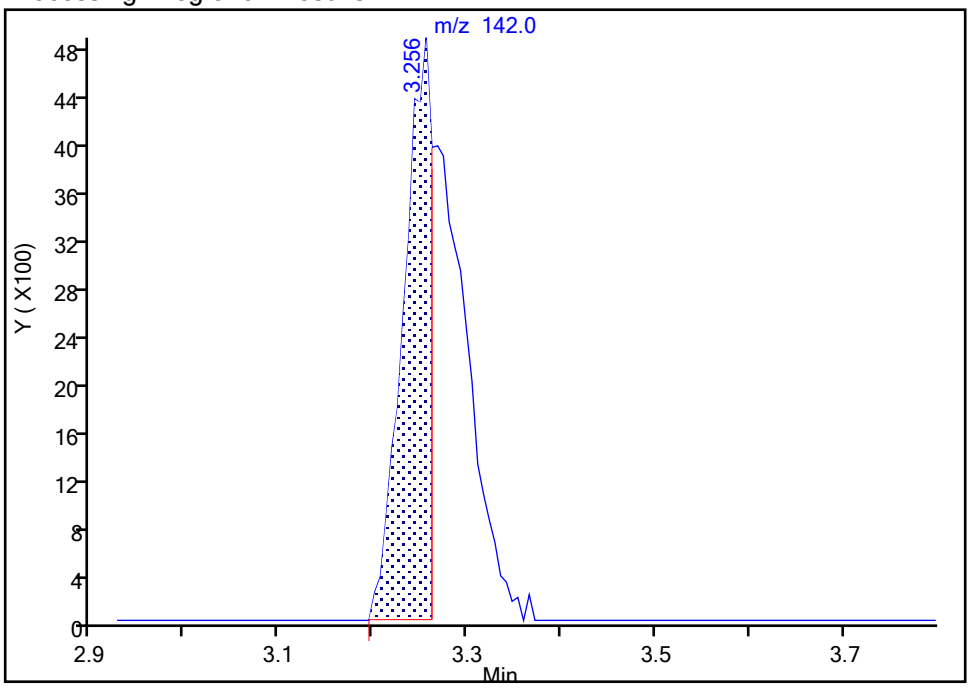
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Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

22 Iodomethane, CAS: 74-88-4

Signal: 1

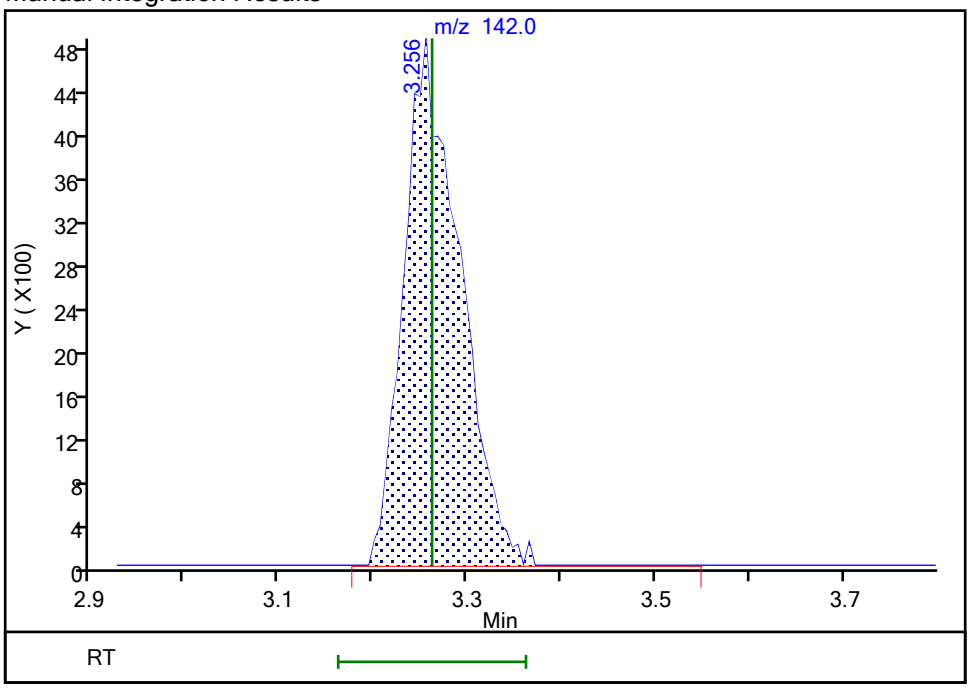
Processing Integration Results

RT: 3.26
Area: 10297
Amount: 0.160500
Amount Units: ug/l



Manual Integration Results

RT: 3.26
Area: 20144
Amount: 0.203613
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:55:40 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

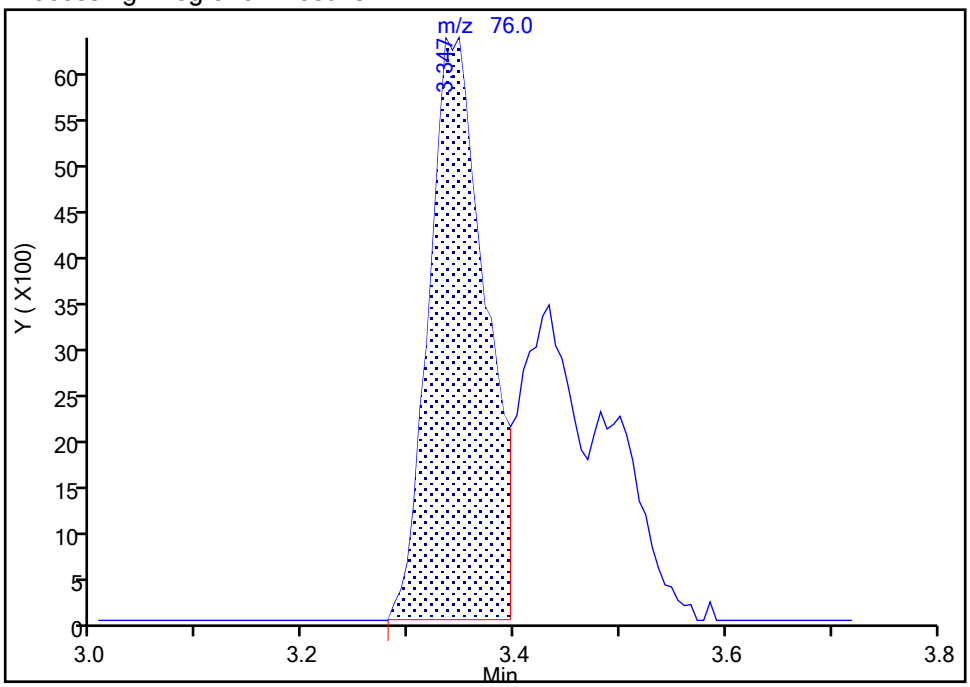
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Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

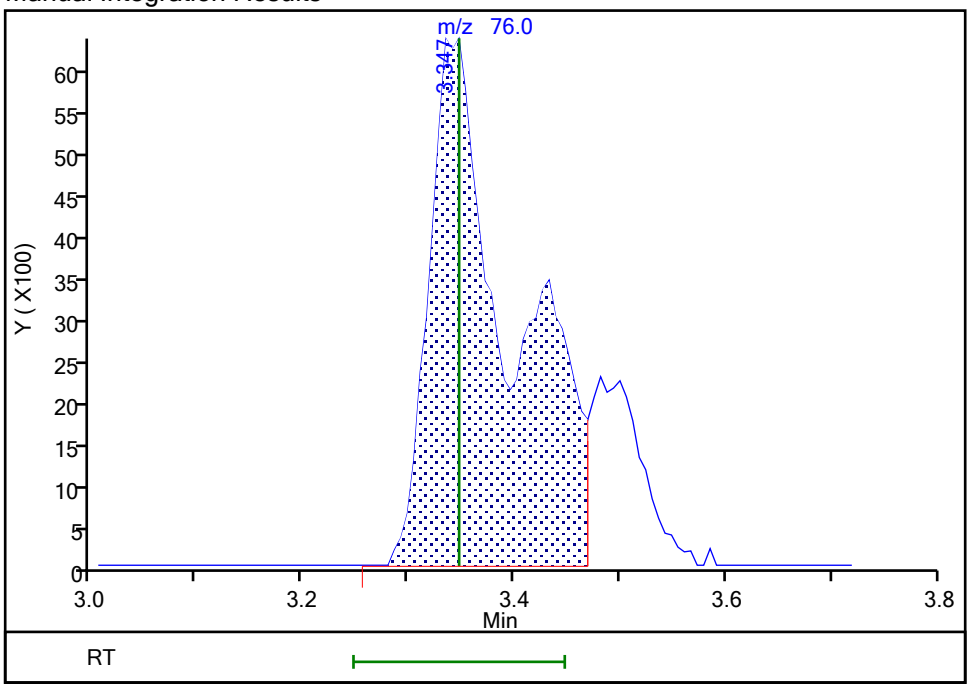
Processing Integration Results

RT: 3.35
Area: 23713
Amount: 0.138698
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 35375
Amount: 0.197435
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:15:41 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

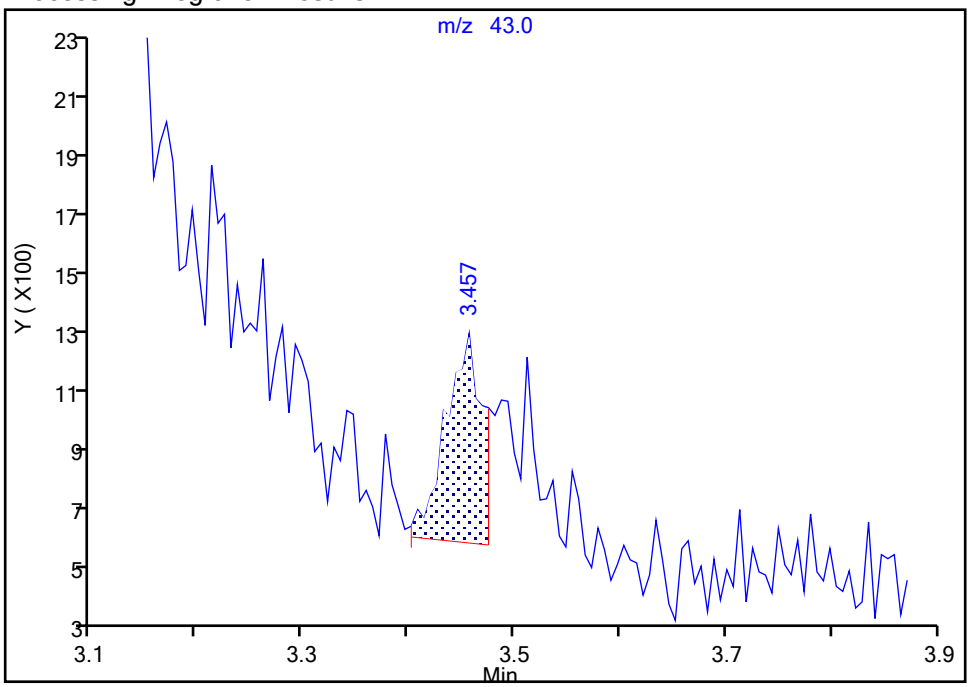
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

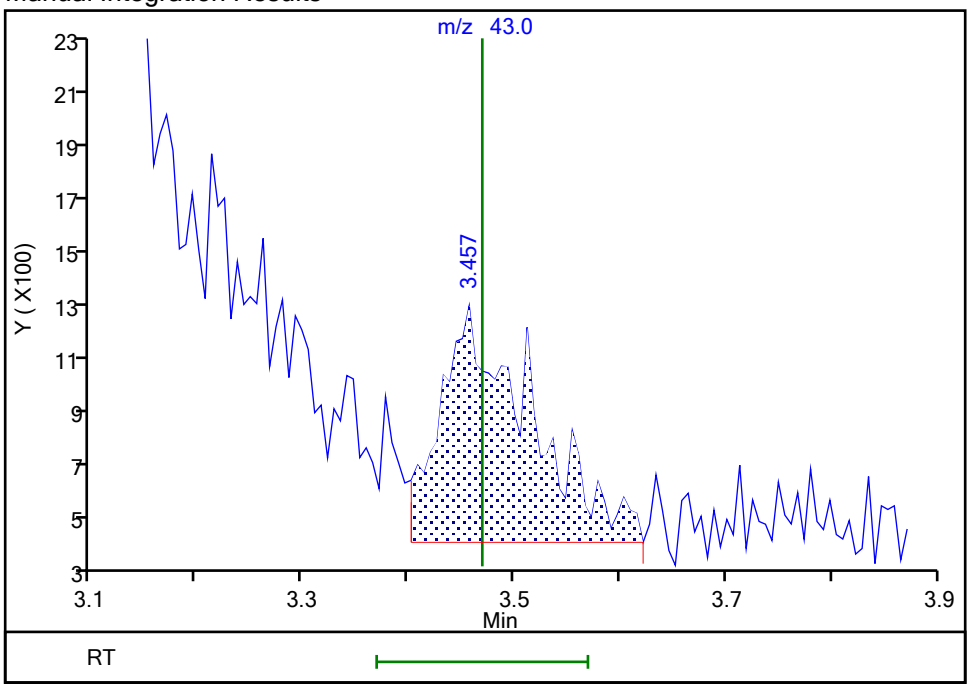
Processing Integration Results

RT: 3.46
Area: 1635
Amount: 0.143503
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 5090
Amount: 0.226652
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:56:08 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

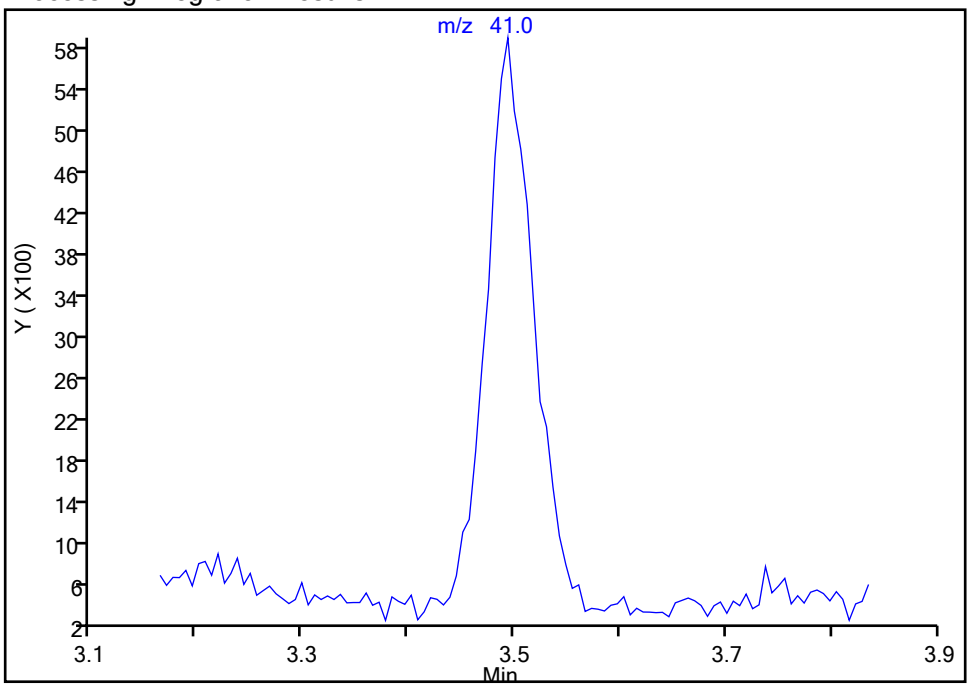
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

29 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

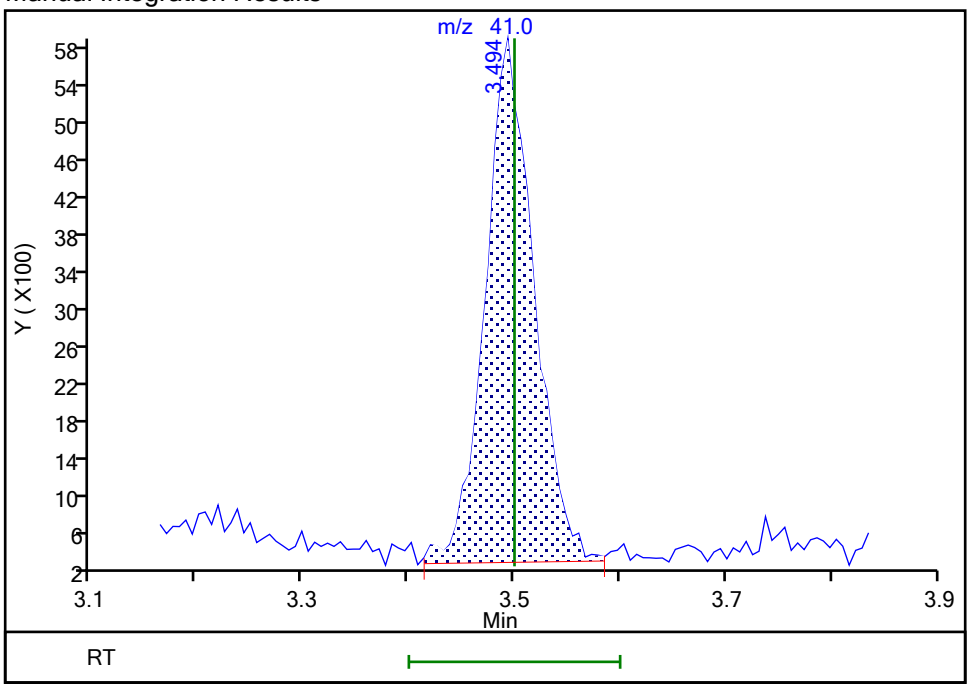
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 17856
Amount: 0.195060
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:56:10 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC

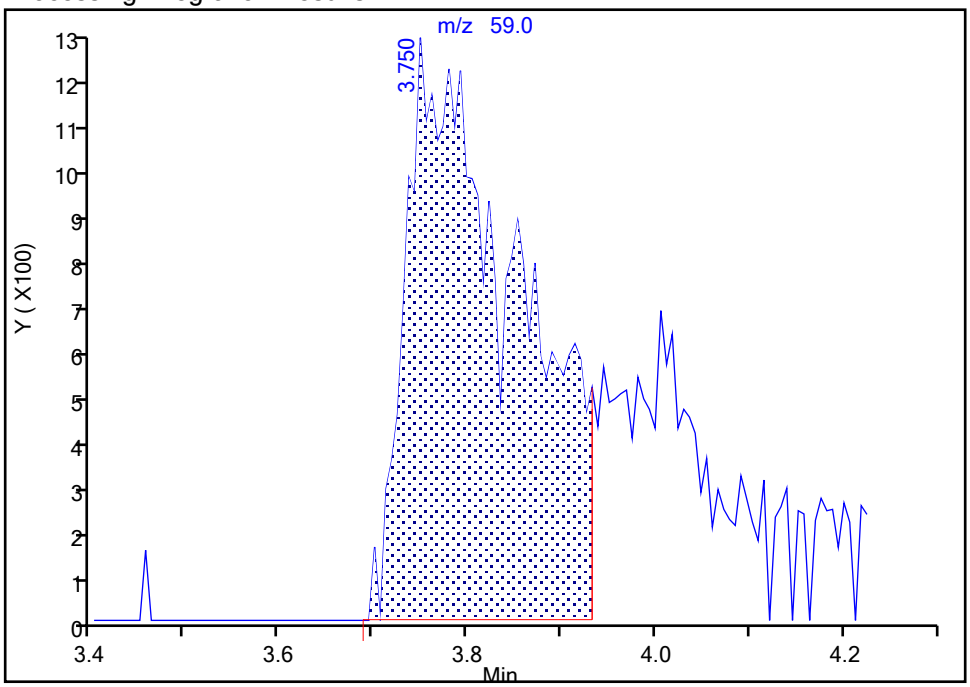
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

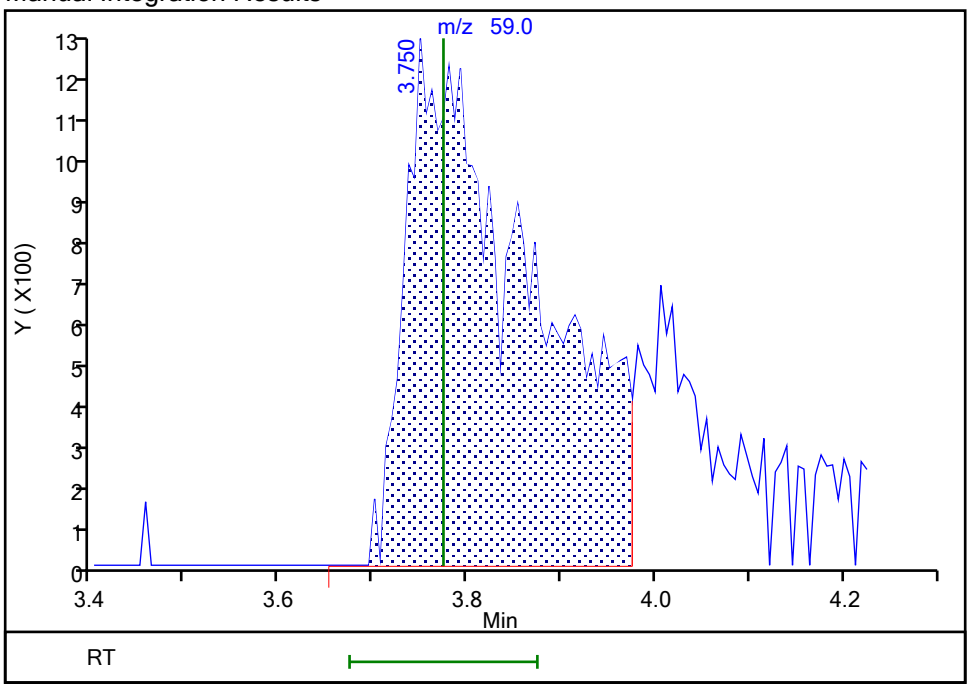
Processing Integration Results

RT: 3.75
Area: 10479
Amount: 3.895742
Amount Units: ug/l



Manual Integration Results

RT: 3.75
Area: 11696
Amount: 4.465904
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:13:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

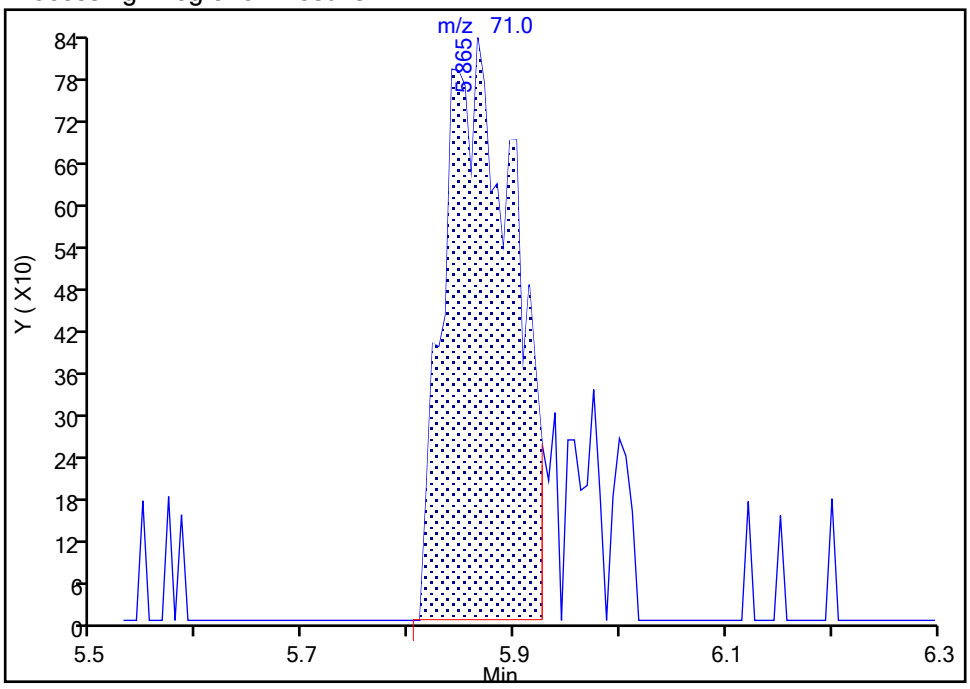
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

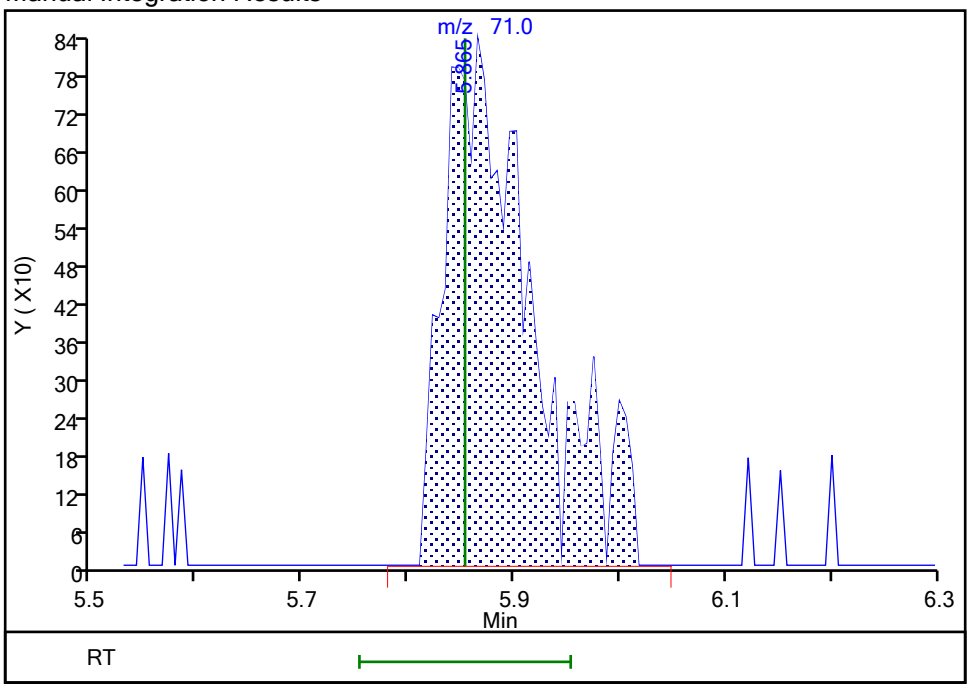
Processing Integration Results

RT: 5.87
Area: 3862
Amount: 0.875942
Amount Units: ug/l



Manual Integration Results

RT: 5.87
Area: 4860
Amount: 1.067770
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:57:23 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

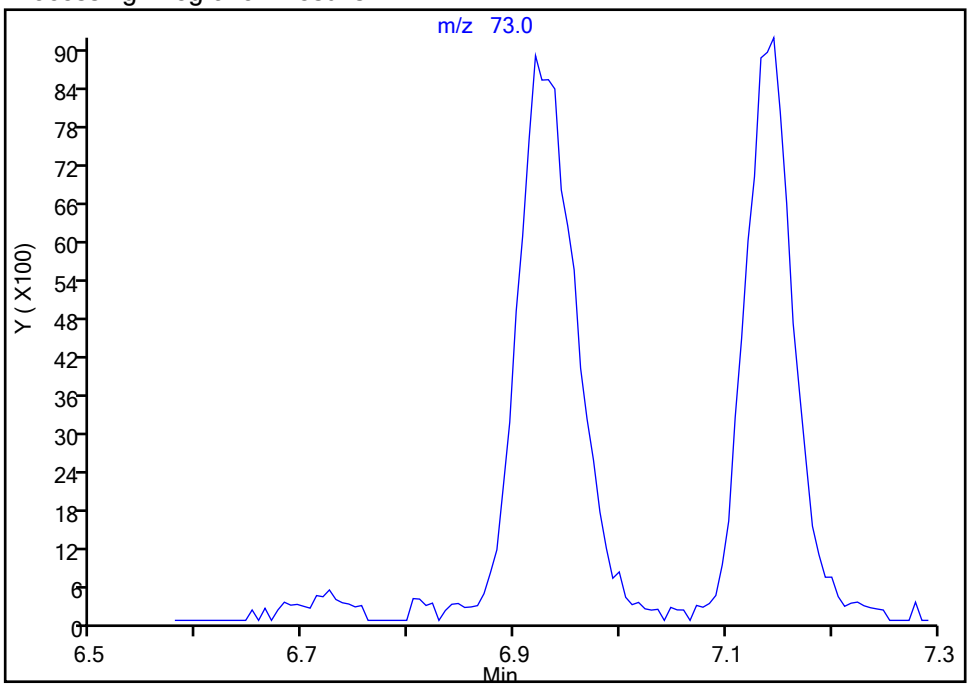
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

64 Tert-amyl methyl ether, CAS: 994-05-8

Signal: 1

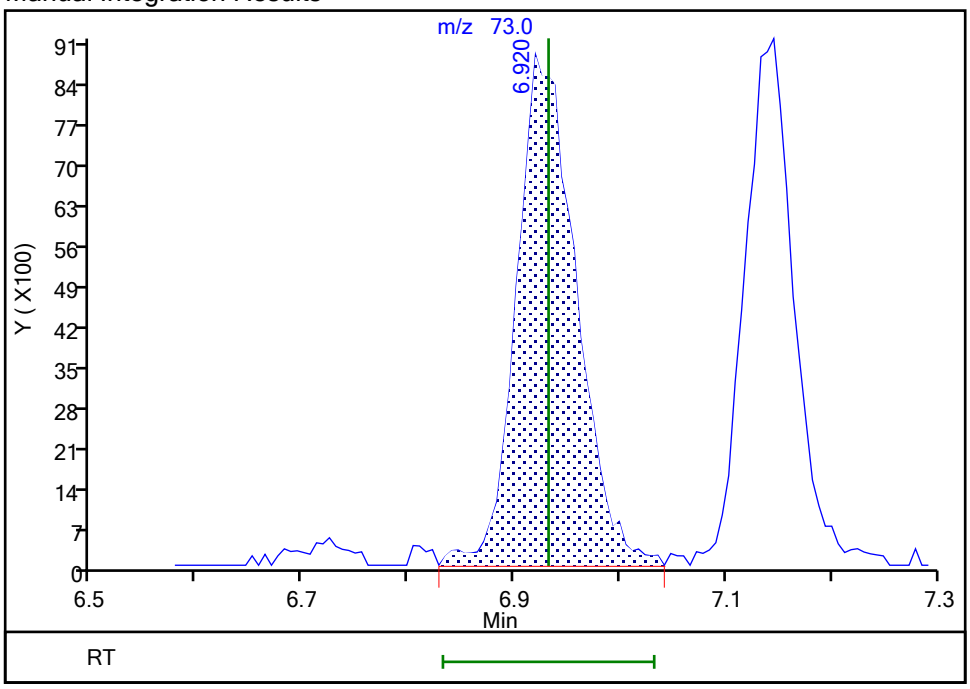
Not Detected
Expected RT: 6.93

Processing Integration Results



Manual Integration Results

RT: 6.92
Area: 34686
Amount: 0.195072
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:57:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

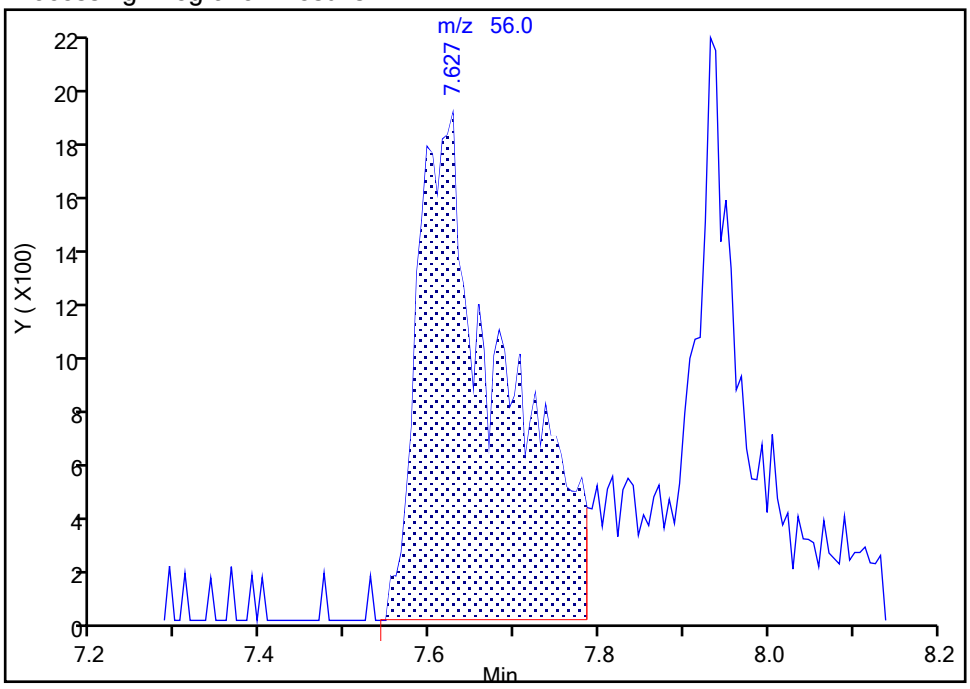
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
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Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

67 n-Butanol, CAS: 71-36-3

Signal: 1

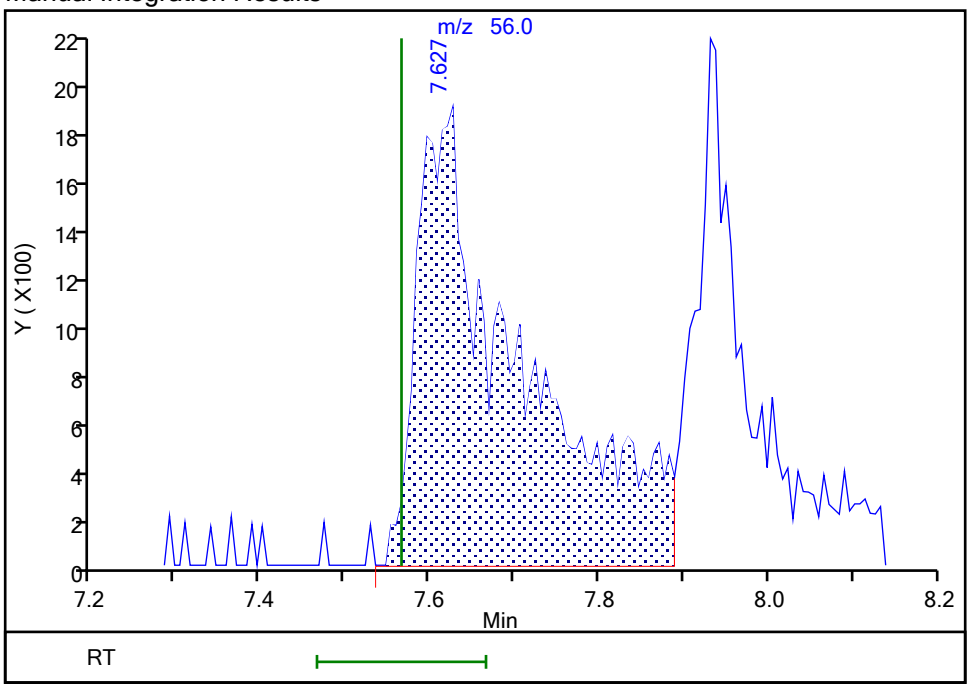
Processing Integration Results

RT: 7.63
Area: 13020
Amount: 13.238414
Amount Units: ug/l



Manual Integration Results

RT: 7.63
Area: 15631
Amount: 15.556085
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:57:53 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

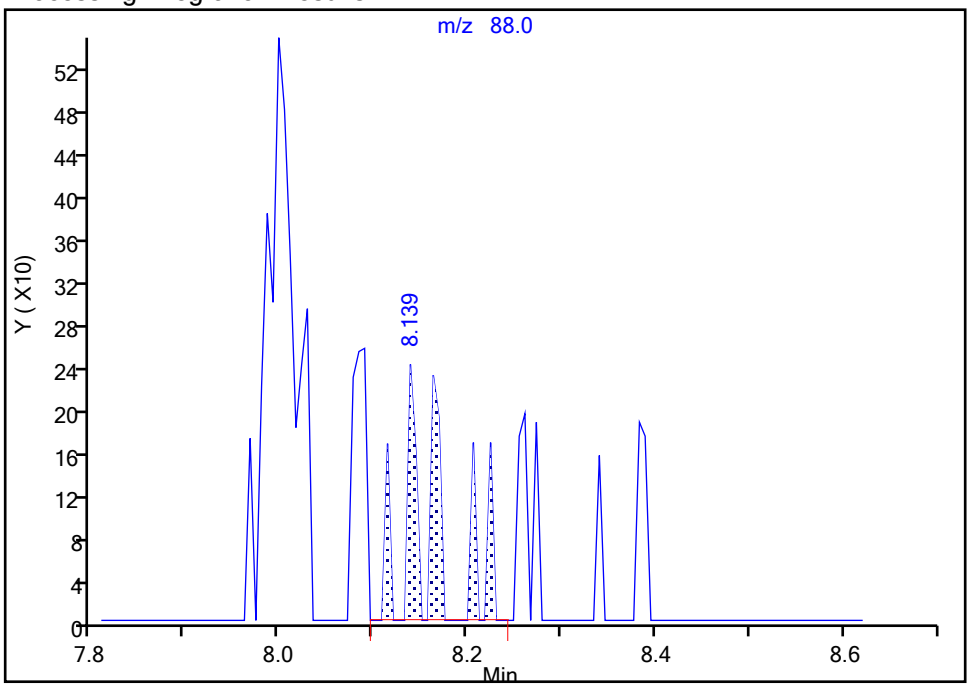
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X12.D				
Injection Date:	04-Jun-2025 21:06:30	Instrument ID:	10193		
Lims ID:	IC std1 0.2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

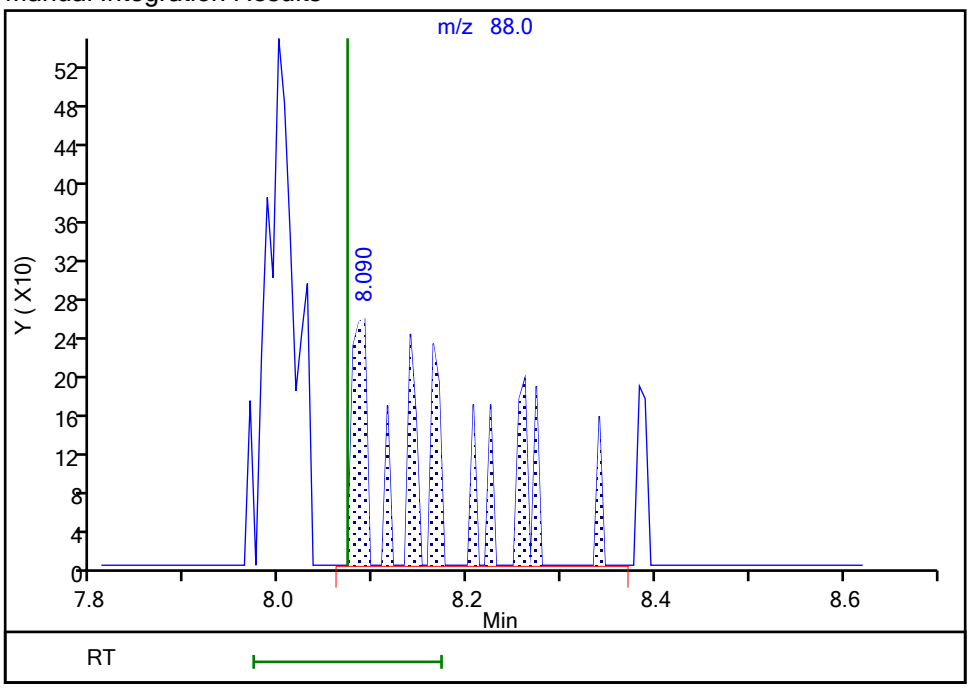
Processing Integration Results

RT: 8.14
Area: 478
Amount: 5.926297
Amount Units: ug/l



Manual Integration Results

RT: 8.09
Area: 1004
Amount: 4.047480
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:57:59 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D
Lims ID: IC std2 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Jun-2025 21:28:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-014
Misc. Info.: IC STD.5 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:22 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:40:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.762	1.762	0.000	34	36639	0.5000	0.5027	
5 Chloromethane	50	1.945	1.945	0.000	99	44518	0.5000	0.5149	
7 Butadiene	39	2.025	2.025	0.000	86	56745	0.5000	0.5701	M
6 Vinyl chloride	62	2.049	2.043	0.006	98	37886	0.5000	0.4958	
9 Bromomethane	94	2.354	2.348	0.006	90	24105	0.5000	0.4935	M
10 Chloroethane	64	2.372	2.372	0.000	99	22164	0.5000	0.5117	
11 Dichlorofluoromethane	67	2.646	2.634	0.012	93	60141	0.5000	0.4809	M
13 Pentane	43	2.646	2.646	0.000	94	48069	0.5000	0.5720	
12 Trichlorofluoromethane	101	2.689	2.677	0.012	96	48159	0.5000	0.4983	
14 Ethyl ether	59	2.835	2.823	0.012	93	22436	0.5002	0.4871	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.915	2.927	-0.012	91	33545	0.5000	0.4965	
17 Acrolein	56	2.982	2.970	0.012	100	182054	24.4	28.8	
18 1,1-Dichloroethene	96	3.097	3.098	-0.001	98	26733	0.5000	0.5610	
20 Acetone	43	3.122	3.116	0.006	91	46805	5.00	5.67	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.146	3.140	0.006	91	28216	0.5000	0.5701	
24 Isopropyl alcohol	45	3.274	3.250	0.024	35	19835	10.0	12.6	M
22 Iodomethane	142	3.262	3.262	0.000	100	53929	0.5000	0.5563	
23 Ethyl bromide	108	3.280	3.280	0.000	95	22703	0.4995	0.4970	
25 Carbon disulfide	76	3.354	3.347	0.007	99	96559	0.5000	0.5500	M
26 Methyl acetate	43	3.500	3.469	0.031	34	12278	0.5000	0.5520	
29 3-Chloro-1-propene	41	3.500	3.500	0.000	87	48948	0.5000	0.5457	
* 31 t-Butyl alcohol-d10 (IS)	65	3.664	3.652	0.012	94	174580	50.0	50.0	
30 Methylene Chloride	84	3.671	3.658	0.013	93	32383	0.5000	0.5631	
32 2-Methyl-2-propanol	59	3.774	3.774	0.000	98	29554	10.0	11.4	M
33 Acrylonitrile	53	3.981	3.957	0.024	97	18145	1.25	1.50	
34 Methyl tert-butyl ether	73	4.018	4.018	0.000	91	90870	0.5000	0.5577	
35 trans-1,2-Dichloroethene	96	4.024	4.018	0.006	97	31672	0.5000	0.5389	
36 Hexane	57	4.414	4.414	0.000	93	46021	0.5000	0.5752	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	57414	0.5000	0.5365	
39 Isopropyl ether	45	4.737	4.725	0.012	94	108151	0.5000	0.5465	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.780	4.768	0.012	92	51648	0.5000	0.5471	
41 Tert-butyl ethyl ether	59	5.280	5.274	0.006	97	104459	0.5000	0.5361	
42 2-Butanone (MEK)	43	5.493	5.475	0.018	100	87186	5.00	5.50	
43 cis-1,2-Dichloroethene	96	5.524	5.512	0.012	83	37064	0.5000	0.5474	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	75	47596	0.5000	0.5664	
45 Propionitrile	54	5.597	5.573	0.024	96	47161	10.0	11.0	
47 Methacrylonitrile	67	5.810	5.798	0.012	92	85178	5.00	5.55	
48 Chlorobromomethane	128	5.865	5.853	0.012	91	17134	0.5000	0.5669	a
49 Tetrahydrofuran	71	5.859	5.853	0.006	71	13373	2.50	2.97	M
50 Chloroform	83	6.024	6.012	0.012	95	59315	0.5000	0.5459	
S 52 1,2-Dichloroethene, Total	100				0			1.09	
$ 54 Dibromofluoromethane (Surr)	113	6.237	6.231	0.006	93	529654	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.237	6.231	0.006	40	51613	0.5000	0.5423	
55 Cyclohexane	56	6.335	6.329	0.006	92	56567	0.5000	0.5591	
56 Carbon tetrachloride	117	6.450	6.444	0.006	96	44236	0.5000	0.5455	
57 1,1-Dichloropropene	75	6.457	6.457	0.000	94	48086	0.5000	0.5630	
58 Isobutyl alcohol	41	6.664	6.652	0.012	92	29650	25.0	28.1	M
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.700	6.694	0.006	99	113484	10.0	10.4	
60 Benzene	78	6.725	6.725	0.000	96	138487	0.5000	0.5439	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	87	39279	0.5000	0.5640	
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	94606	0.5000	0.5430	
* 65 Fluorobenzene (IS)	96	7.145	7.139	0.006	99	2238774	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	38	43824	0.5000	0.5559	
67 n-Butanol	56	7.597	7.566	0.031	92	40500	43.8	40.7	
68 Trichloroethene	95	7.639	7.633	0.006	99	36985	0.5000	0.5489	
69 Methylcyclohexane	83	7.944	7.938	0.006	93	60861	0.5000	0.5621	
70 1,2-Dichloropropane	63	7.968	7.975	-0.007	96	35654	0.5000	0.5472	
71 2-ethoxy-2-methyl butane	87	7.999	8.005	-0.006	90	53988	0.5000	0.5289	
74 1,4-Dioxane	88	8.096	8.072	0.024	29	6307	25.0	25.7	M
73 Methyl methacrylate	69	8.090	8.084	0.006	87	18128	0.5000	0.5732	
72 Dibromomethane	93	8.090	8.084	0.006	93	17242	0.5000	0.5351	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	41926	0.5000	0.5280	
77 2-Nitropropane	41	8.621	8.621	0.000	99	26697	2.50	2.61	
78 1-Bromo-2-chloroethane	63	8.737	8.731	0.006	99	30753	0.5000	0.4819	
80 cis-1,3-Dichloropropene	75	8.913	8.907	0.006	95	51547	0.5000	0.5273	
82 4-Methyl-2-pentanone (MIBK)	43	9.121	9.115	0.006	97	223633	5.00	5.32	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2235974	10.0	9.96	
84 Toluene	92	9.334	9.328	0.006	98	89270	0.5000	0.5378	
85 trans-1,3-Dichloropropene	75	9.633	9.627	0.006	94	44145	0.5000	0.5257	
86 Ethyl methacrylate	69	9.712	9.706	0.006	88	37206	0.5000	0.5114	
87 1,1,2-Trichloroethane	97	9.846	9.846	0.000	90	25560	0.5000	0.5367	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	43177	0.5000	0.5603	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	93	43165	0.5000	0.5348	
S 107 1,3-Dichloropropene, Total	100				0			1.05	
106 2-Hexanone	43	10.096	10.090	0.006	97	159634	5.00	5.31	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	30414	0.5000	0.5233	
110 Ethylene Dibromide	107	10.352	10.352	0.000	99	24466	0.5000	0.5303	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1709468	10.0	10.0	
112 1-Chlorohexane	91	10.840	10.834	0.006	92	52561	0.5000	0.5642	
113 Chlorobenzene	112	10.840	10.840	0.000	95	103211	0.5000	0.5432	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	95	34106	0.5000	0.5274	
115 Ethylbenzene	91	10.937	10.937	0.000	98	178871	0.5000	0.5417	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	96	135488	1.00	1.06	
S 117 Xylenes, Total	106				0			1.59	
118 o-Xylene	106	11.407	11.401	0.006	96	67921	0.5000	0.5369	
119 Styrene	104	11.425	11.419	0.006	96	109797	0.5000	0.5218	
120 Bromoform	173	11.578	11.578	0.000	95	16294	0.5000	0.4814	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	156315	0.5000	0.5364	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	831439	10.0	9.81	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	69	30206	0.5000	0.5290	
125 Bromobenzene	156	11.980	11.980	0.000	92	44707	0.5000	0.5573	
127 trans-1,4-Dichloro-2-butene	53	12.010	12.004	0.006	93	67428	5.00	4.93	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	81	8512	0.5000	0.5439	
129 N-Propylbenzene	91	12.059	12.059	0.000	98	201935	0.5000	0.5416	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	42598	0.5000	0.5558	
131 1,3,5-Trimethylbenzene	105	12.205	12.199	0.006	93	147909	0.5000	0.5483	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	44548	0.5000	0.5604	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	33953	0.5000	0.5485	
134 Pentachloroethane	167	12.474	12.474	0.000	91	22482	0.5000	0.4726	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	149776	0.5000	0.5403	
136 sec-Butylbenzene	105	12.614	12.614	0.000	95	189963	0.5000	0.5516	
137 1,3-Dichlorobenzene	146	12.718	12.712	0.006	98	83293	0.5000	0.5414	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	167243	0.5000	0.5557	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.772	0.000	95	903799	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.791	12.785	0.006	96	89506	0.5000	0.5573	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	98	67632	0.5000	0.5399	
142 Benzyl chloride	126	12.876	12.870	0.006	99	10271	0.5000	0.5123	
145 p-Diethylbenzene	119	13.010	13.004	0.006	94	97219	0.5000	0.5337	
143 n-Butylbenzene	92	13.028	13.029	0.000	97	78339	0.5000	0.5399	
144 1,2-Dichlorobenzene	146	13.059	13.053	0.006	99	74720	0.5000	0.5323	
148 1,2-Dibromo-3-Chloropropane	155	13.614	13.608	0.006	83	3958	0.5000	0.5192	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	55932	0.5000	0.5186	
150 1,2,4-Trichlorobenzene	180	14.168	14.169	-0.001	94	39754	0.5000	0.4879	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	24592	0.5000	0.5398	
152 Naphthalene	128	14.351	14.345	0.006	97	61647	0.5000	0.4629	
153 1,2,3-Trichlorobenzene	180	14.498	14.492	0.006	96	30876	0.5000	0.4892	
154 2-Methylnaphthalene	142	15.107	15.101	0.006	93	17829	0.5000	0.7364	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00168	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Jun-2025 09:18:22 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X13.D

Injection Date: 04-Jun-2025 21:28:30 Instrument ID: 10193 Operator ID: knk41612

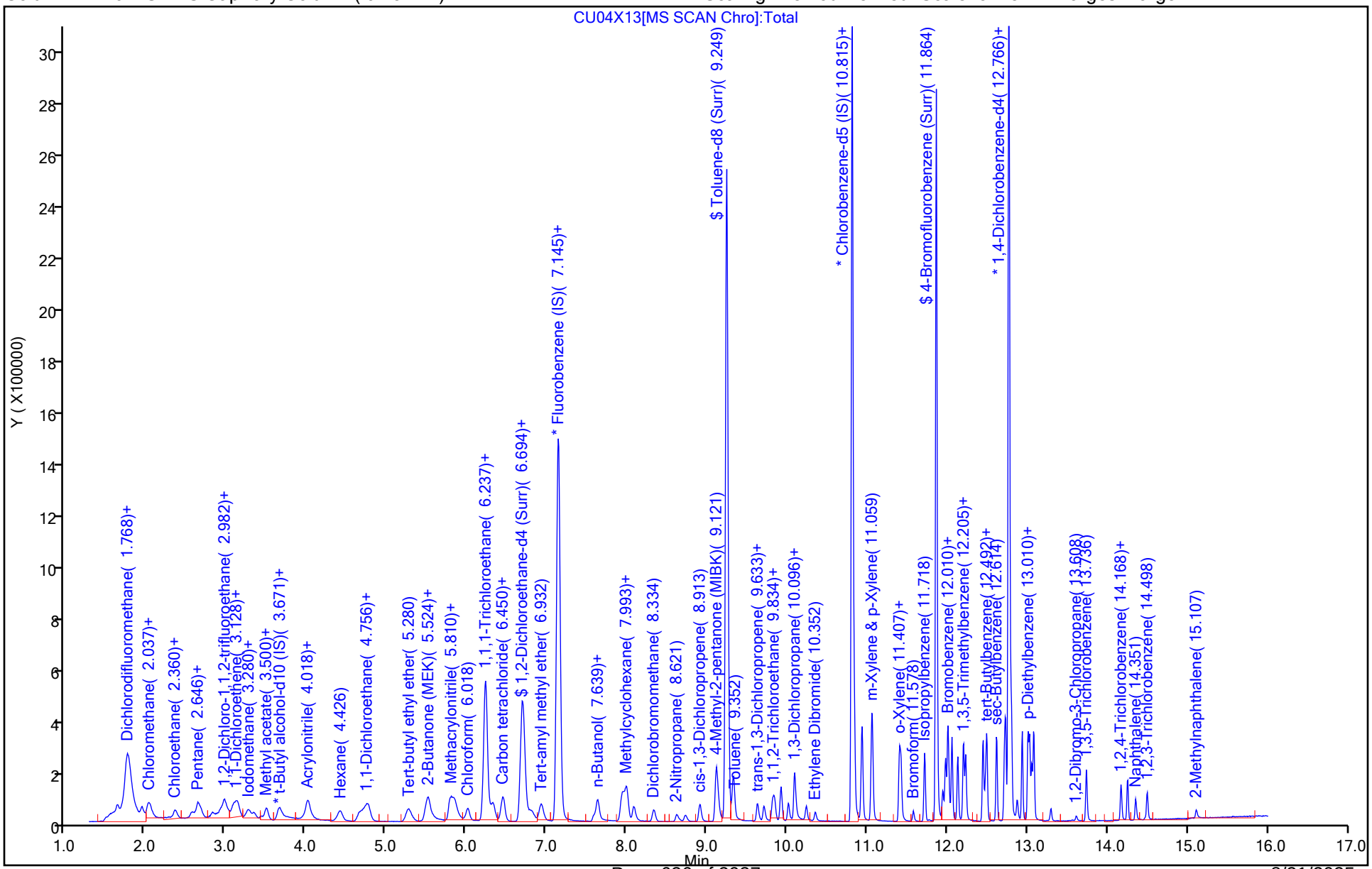
Lims ID: IC std2 0.5 Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 13

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

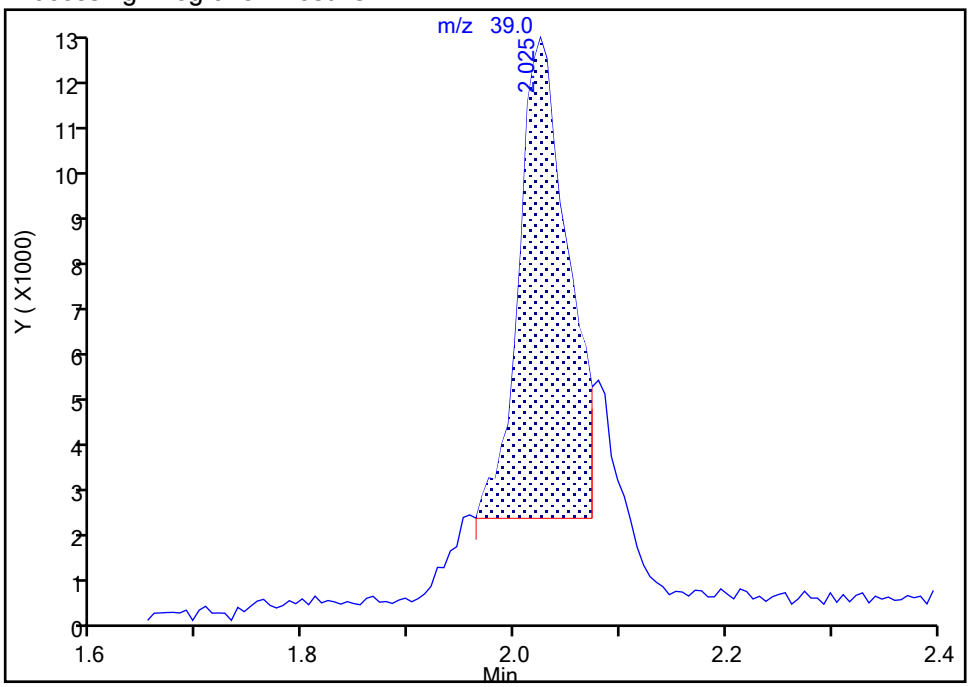
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Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Signal: 1

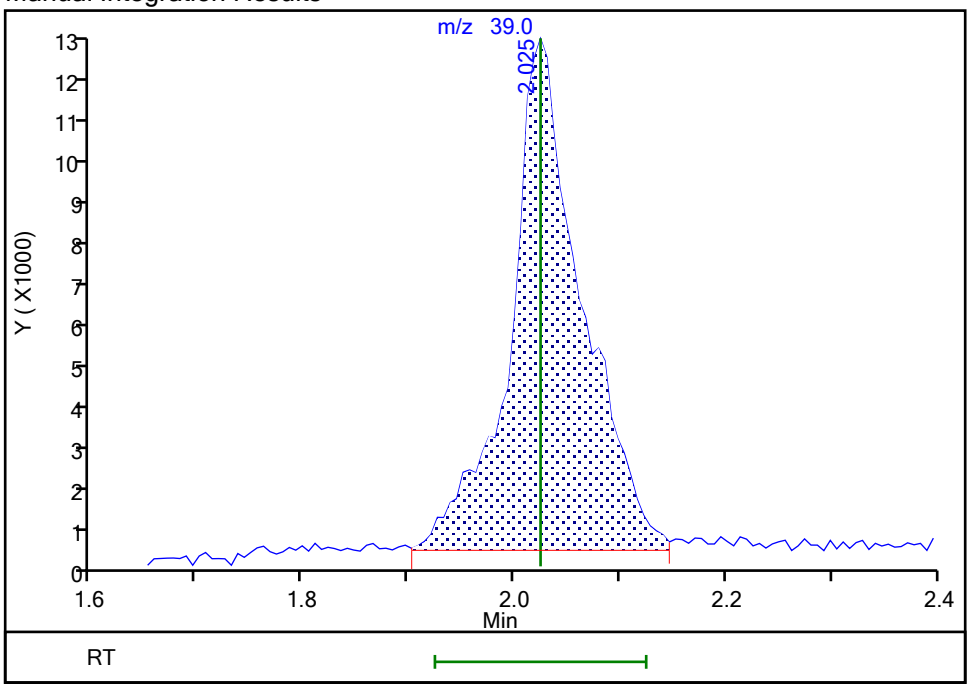
Processing Integration Results

RT: 2.02
Area: 33012
Amount: 0.387458
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 56745
Amount: 0.570146
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:52:34 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

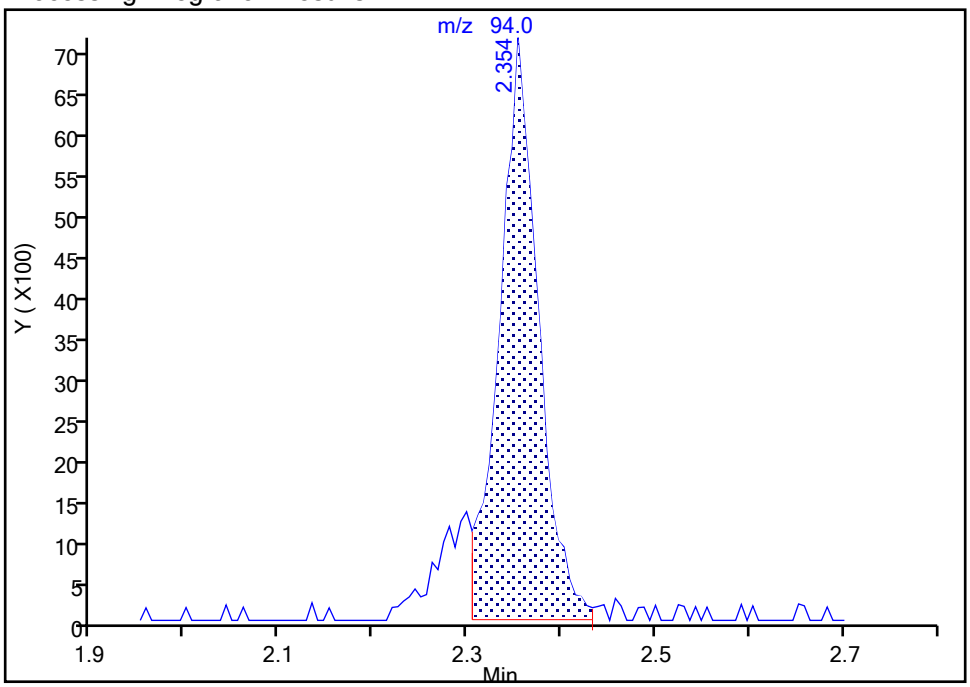
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Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

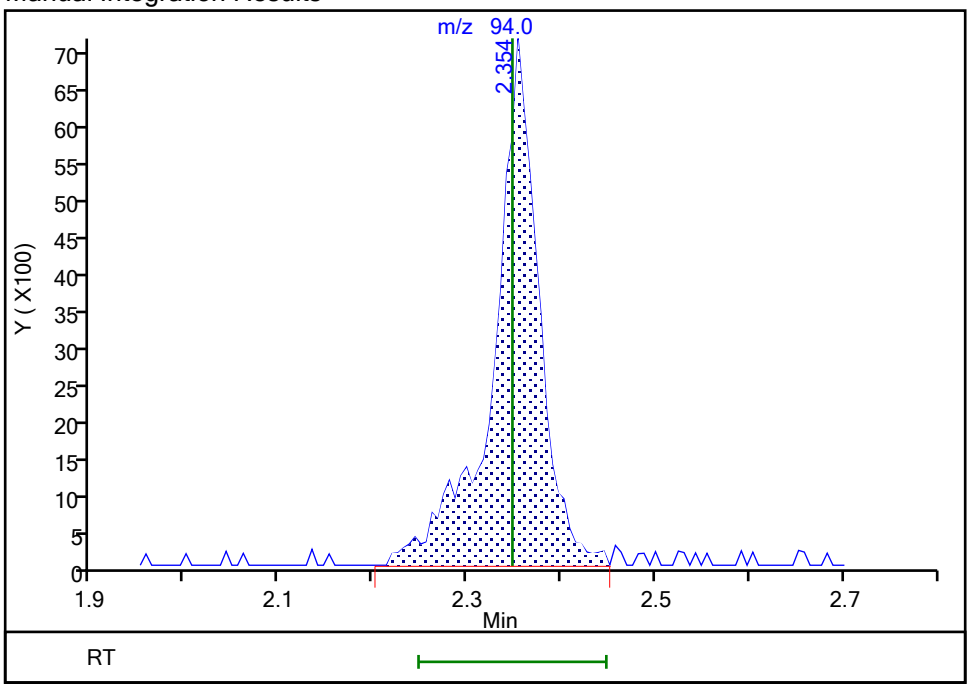
Processing Integration Results

RT: 2.35
Area: 20769
Amount: 0.452035
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 24105
Amount: 0.493520
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:52:40 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

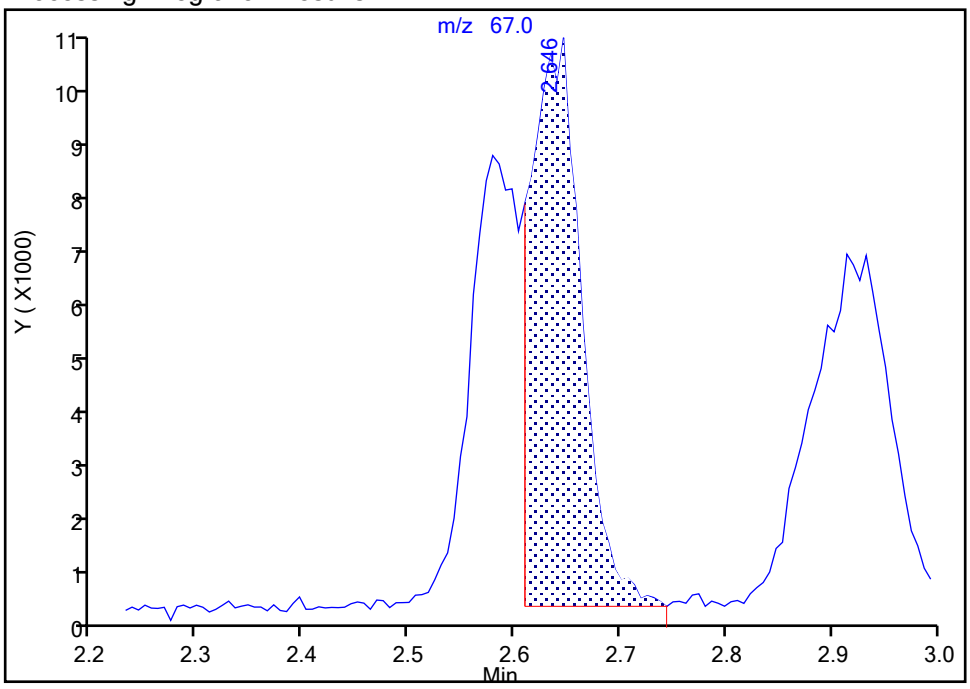
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Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

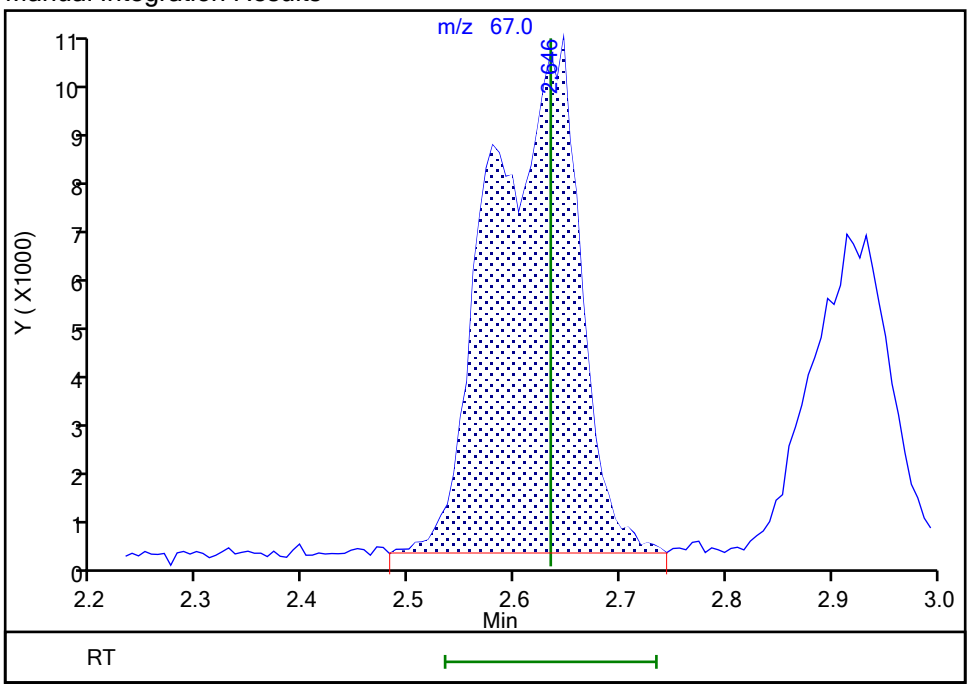
Processing Integration Results

RT: 2.65
Area: 34743
Amount: 0.357039
Amount Units: ug/l



Manual Integration Results

RT: 2.65
Area: 60141
Amount: 0.480902
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:52:44 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

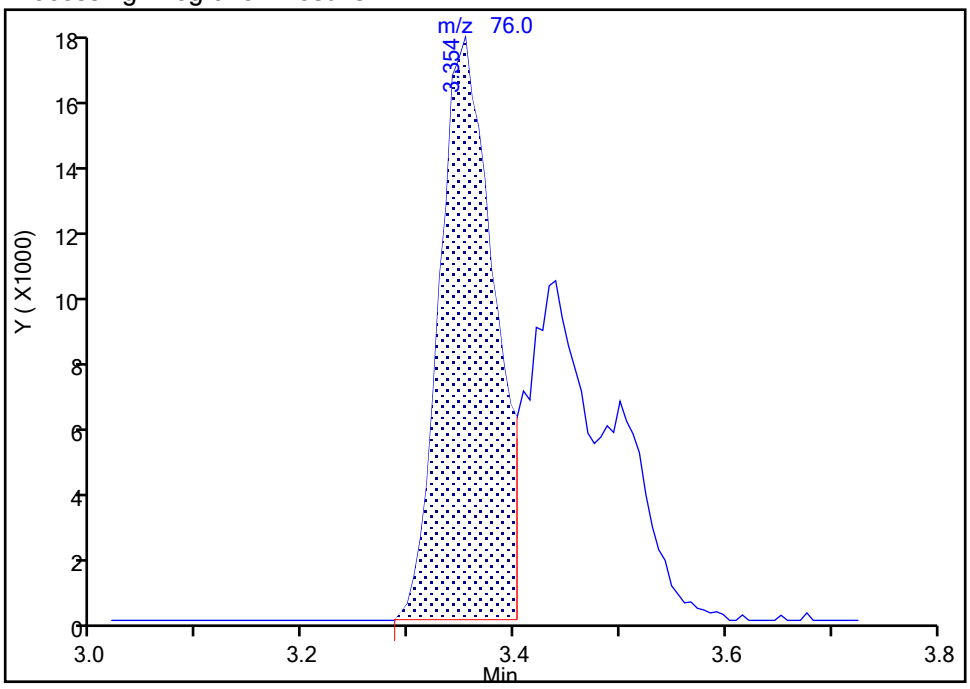
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Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

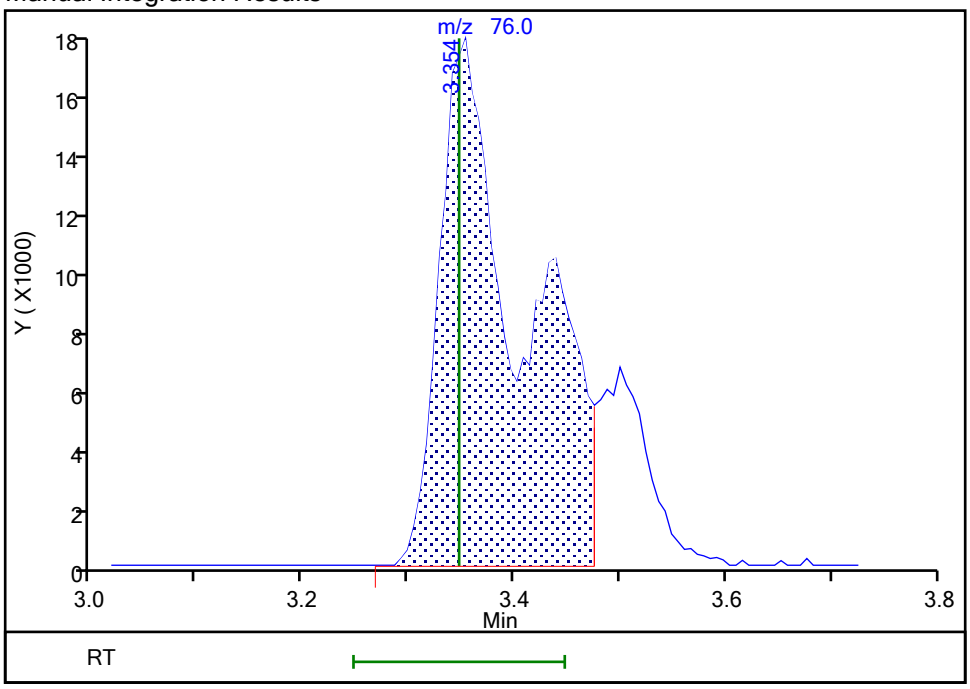
Processing Integration Results

RT: 3.35
Area: 62522
Amount: 0.396475
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 96559
Amount: 0.550005
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:13:27 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

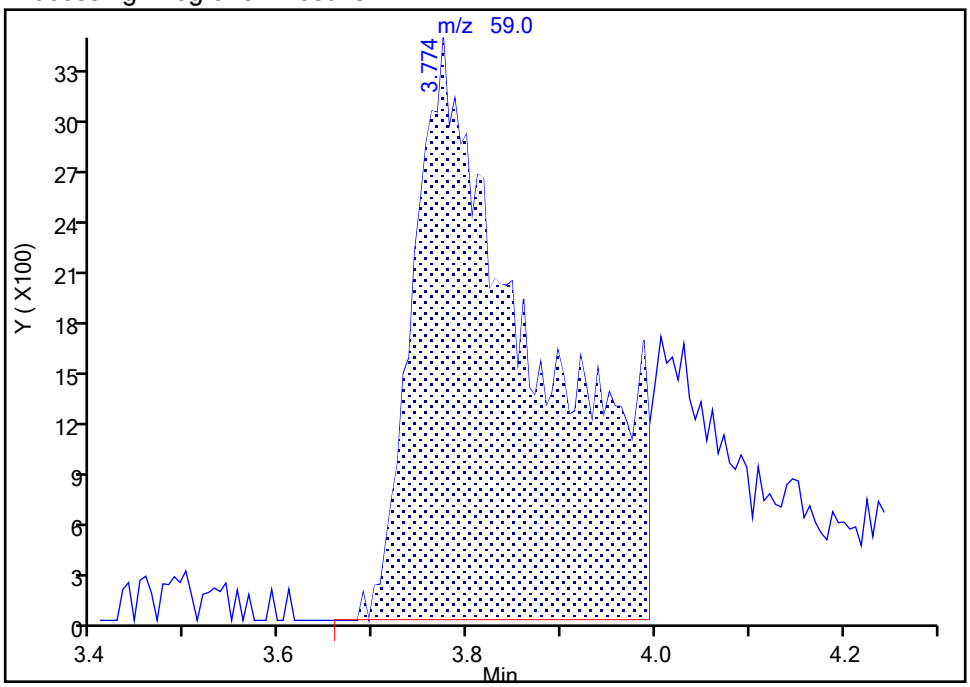
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Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

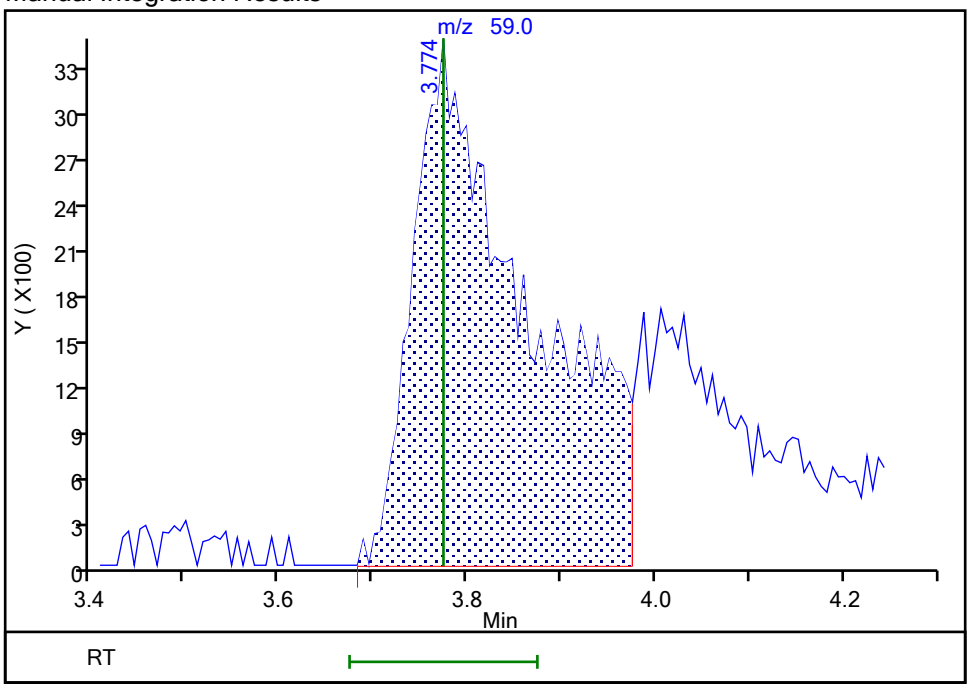
Processing Integration Results

RT: 3.77
Area: 31093
Amount: 11.035513
Amount Units: ug/l



Manual Integration Results

RT: 3.77
Area: 29554
Amount: 11.394217
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:14:51 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

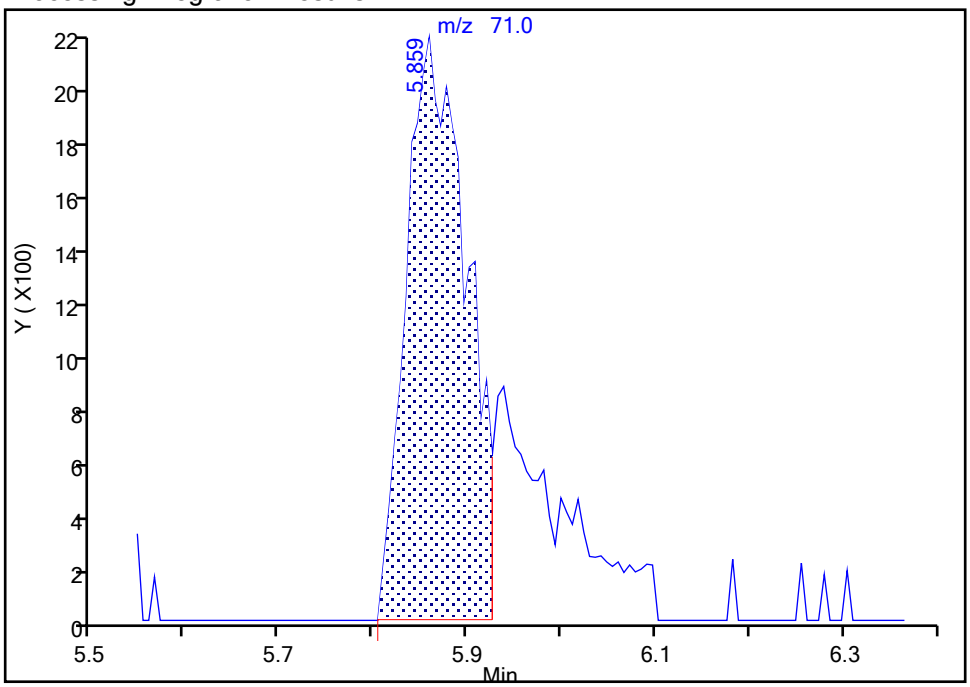
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Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

49 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

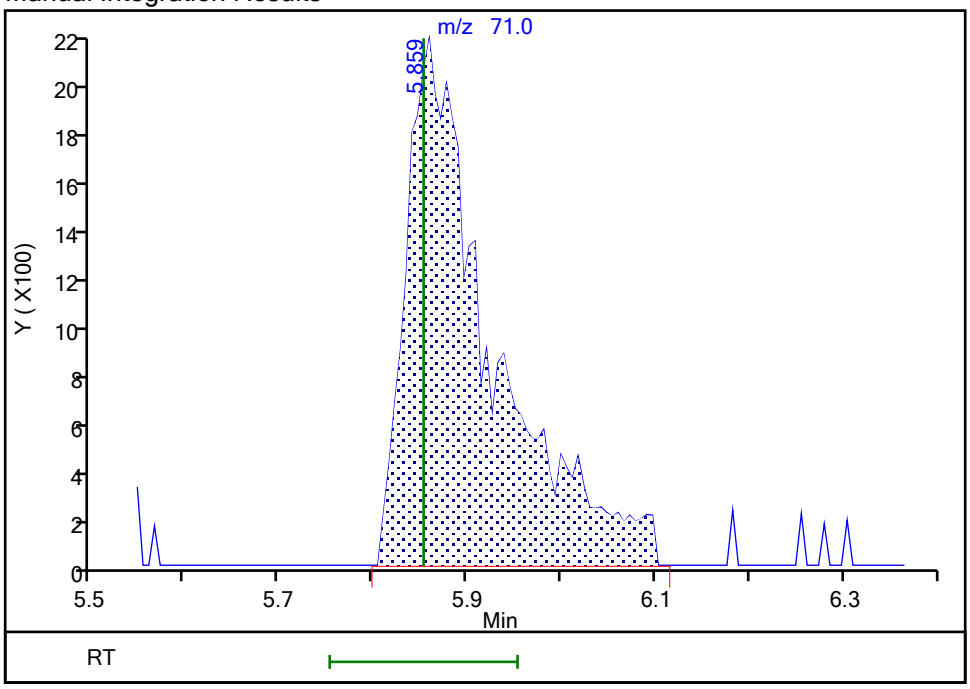
Processing Integration Results

RT: 5.86
Area: 9451
Amount: 2.281494
Amount Units: ug/l



Manual Integration Results

RT: 5.86
Area: 13373
Amount: 2.966652
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:53:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

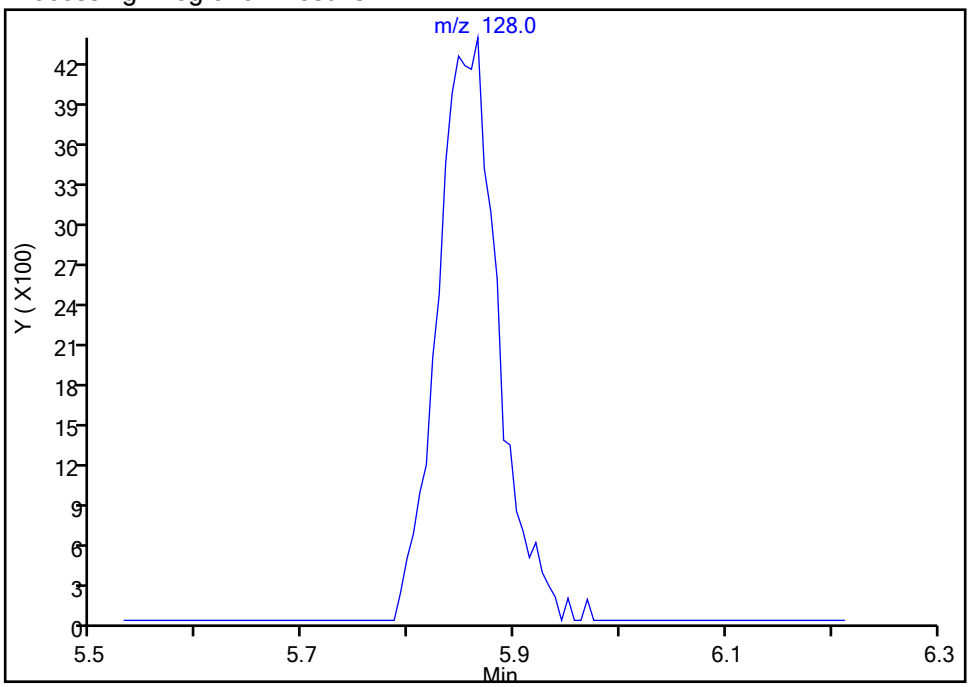
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Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

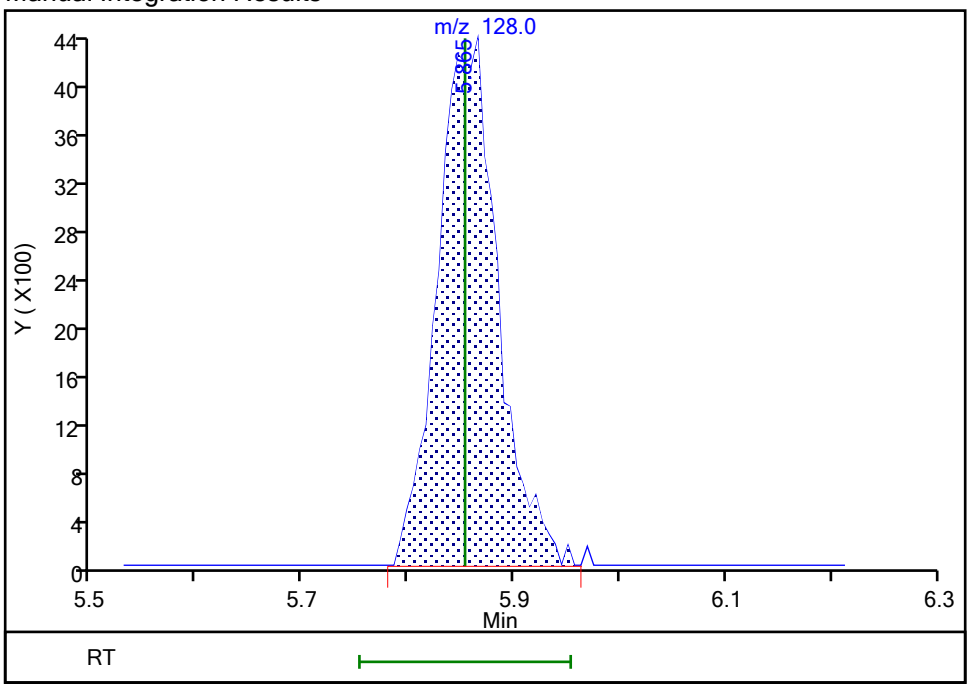
Not Detected
Expected RT: 5.85

Processing Integration Results



Manual Integration Results

RT: 5.87
Area: 17134
Amount: 0.566894
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:53:10 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

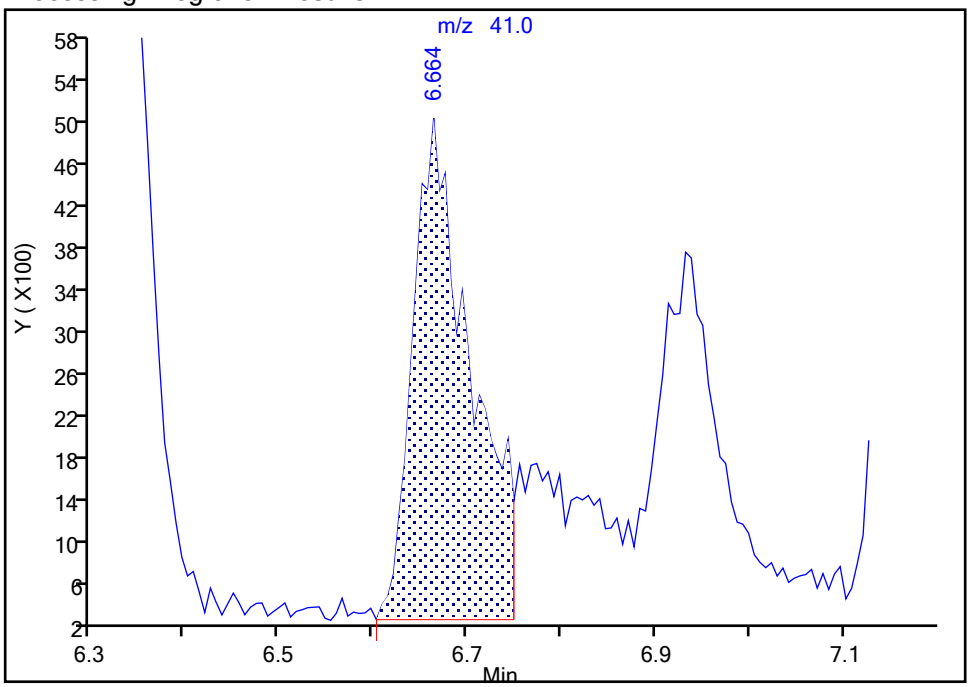
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Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

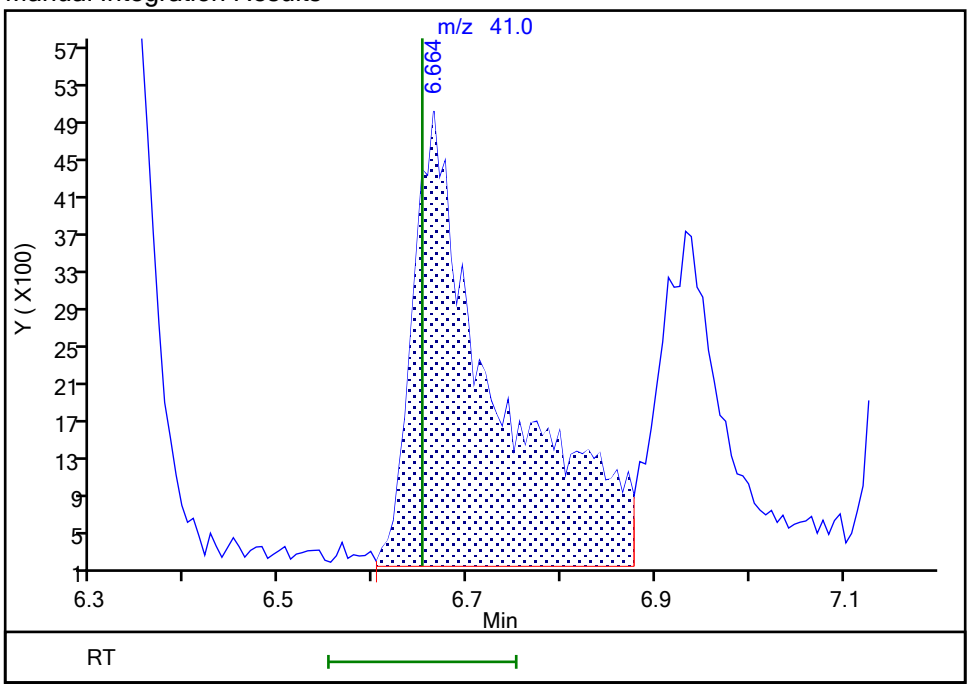
Processing Integration Results

RT: 6.66
Area: 20317
Amount: 20.243903
Amount Units: ug/l



Manual Integration Results

RT: 6.66
Area: 29650
Amount: 28.052621
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:53:30 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

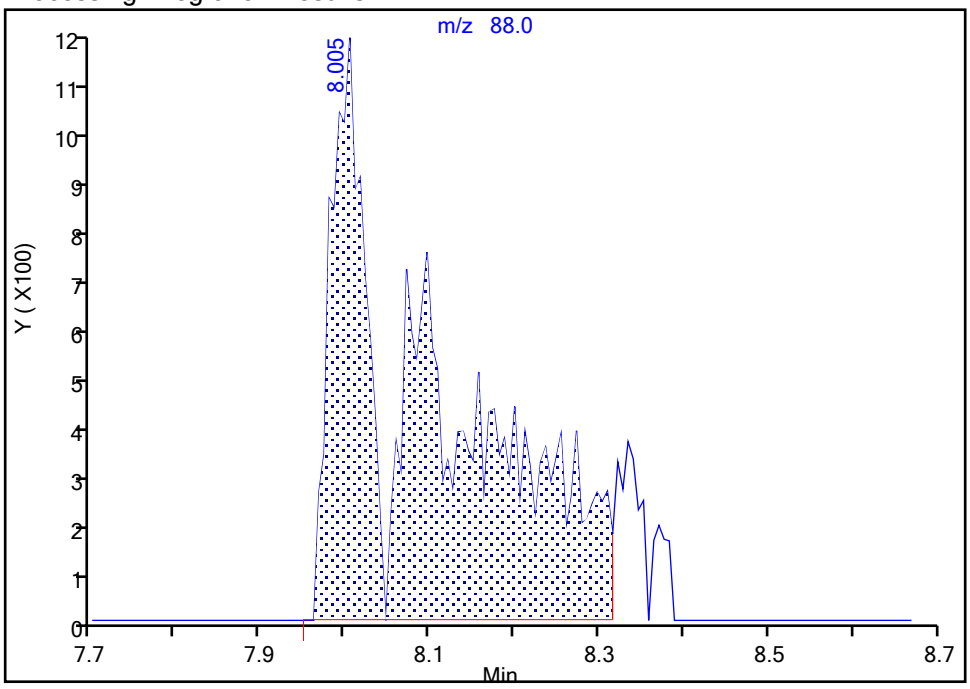
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Injection Date:	04-Jun-2025 21:28:30	Instrument ID:	10193		
Lims ID:	IC std2 0.5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

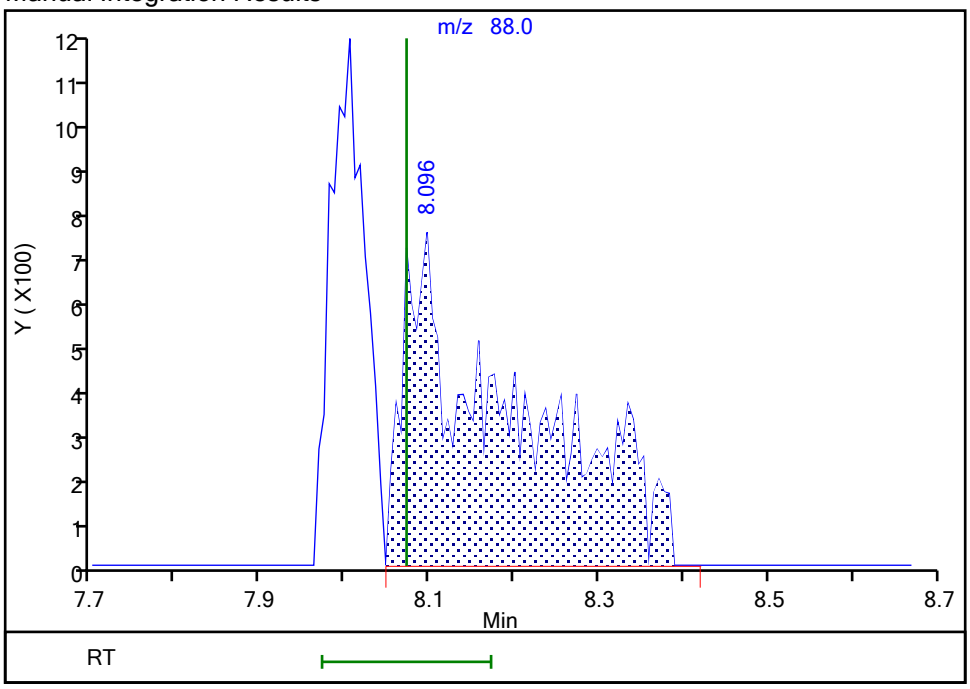
Processing Integration Results

RT: 8.01
Area: 8644
Amount: 37.554812
Amount Units: ug/l



Manual Integration Results

RT: 8.10
Area: 6307
Amount: 25.672609
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:53:52 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D
Lims ID: IC std3 1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Jun-2025 21:51:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-015
Misc. Info.: IC STD1 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:27 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:41:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.756	1.762	-0.006	99	74421	1.00	1.00	
5 Chloromethane	50	1.939	1.945	-0.006	99	88049	1.00	1.00	
7 Butadiene	39	2.012	2.025	-0.013	94	97198	1.00	0.9604	
6 Vinyl chloride	62	2.037	2.043	-0.006	98	76193	1.00	0.9806	
9 Bromomethane	94	2.342	2.348	-0.006	90	48569	1.00	0.9779	M
10 Chloroethane	64	2.360	2.372	-0.012	99	42152	1.00	0.9569	
11 Dichlorofluoromethane	67	2.628	2.634	-0.006	97	122462	1.00	0.9630	M
13 Pentane	43	2.634	2.646	-0.012	98	82440	1.00	0.9646	
12 Trichlorofluoromethane	101	2.671	2.677	-0.006	98	100091	1.00	1.02	M
14 Ethyl ether	59	2.817	2.823	-0.006	93	46647	1.00	1.00	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.915	2.927	-0.012	93	68628	1.00	1.00	
17 Acrolein	56	2.969	2.970	-0.001	99	314981	48.8	50.0	
18 1,1-Dichloroethene	96	3.091	3.098	-0.007	98	46570	1.00	0.9611	
20 Acetone	43	3.122	3.116	0.006	99	83461	10.0	10.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.140	-0.012	92	48103	1.00	0.9558	
24 Isopropyl alcohol	45	3.244	3.250	-0.006	35	32344	20.0	20.7	M
22 Iodomethane	142	3.256	3.262	-0.006	100	88856	1.00	0.9014	
23 Ethyl bromide	108	3.280	3.280	0.000	99	44939	1.00	0.9673	
25 Carbon disulfide	76	3.341	3.347	-0.006	100	167455	1.00	0.9380	M
26 Methyl acetate	43	3.475	3.469	0.006	96	18977	1.00	0.8563	
29 3-Chloro-1-propene	41	3.488	3.500	-0.012	86	81834	1.00	0.8972	a
* 31 t-Butyl alcohol-d10 (IS)	65	3.658	3.652	0.006	66	173955	50.0	50.0	
30 Methylene Chloride	84	3.652	3.658	-0.006	92	54946	1.00	0.9396	
32 2-Methyl-2-propanol	59	3.762	3.774	-0.012	99	56644	20.0	21.9	M
33 Acrylonitrile	53	3.957	3.957	0.000	97	29349	2.50	2.43	
34 Methyl tert-butyl ether	73	4.006	4.018	-0.012	92	149746	1.00	0.9038	
35 trans-1,2-Dichloroethene	96	4.012	4.018	-0.006	99	55552	1.00	0.9295	
36 Hexane	57	4.408	4.414	-0.006	93	77450	1.00	0.9519	
37 1,1-Dichloroethane	63	4.652	4.658	-0.006	96	101423	1.00	0.9319	
39 Isopropyl ether	45	4.713	4.725	-0.012	93	184345	1.00	0.9160	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.768	4.768	0.000	92	88291	1.00	0.9196	
41 Tert-butyl ethyl ether	59	5.268	5.274	-0.006	98	184283	1.00	0.9301	
42 2-Butanone (MEK)	43	5.475	5.475	0.000	100	152140	10.0	9.63	
43 cis-1,2-Dichloroethene	96	5.512	5.512	0.000	84	62895	1.00	0.9135	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	70	79756	1.00	0.9333	
45 Propionitrile	54	5.579	5.573	0.006	99	74348	20.0	17.4	
47 Methacrylonitrile	67	5.798	5.798	0.000	91	151963	10.0	9.93	
48 Chlorobromomethane	128	5.841	5.853	-0.012	94	27739	1.00	0.9025	
49 Tetrahydrofuran	71	5.853	5.853	0.000	69	21032	5.00	4.68	
50 Chloroform	83	6.012	6.012	0.000	94	101944	1.00	0.9226	
S 52 1,2-Dichloroethene, Total	100				0			1.84	
$ 54 Dibromofluoromethane (Surr)	113	6.231	6.231	0.000	93	535871	10.0	9.97	
53 1,1,1-Trichloroethane	97	6.225	6.231	-0.006	46	88566	1.00	0.9150	
55 Cyclohexane	56	6.322	6.329	-0.007	91	97296	1.00	0.9457	
56 Carbon tetrachloride	117	6.444	6.444	0.000	98	75195	1.00	0.9119	
57 1,1-Dichloropropene	75	6.450	6.457	-0.007	96	80703	1.00	0.9292	
58 Isobutyl alcohol	41	6.658	6.652	0.006	89	51163	50.0	48.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.688	6.694	-0.006	99	110913	10.0	10.0	
60 Benzene	78	6.719	6.725	-0.006	96	234806	1.00	0.9069	
61 1,2-Dichloroethane	62	6.792	6.798	-0.006	98	63946	1.00	0.9030	
64 Tert-amyl methyl ether	73	6.926	6.932	-0.006	98	160349	1.00	0.9050	
* 65 Fluorobenzene (IS)	96	7.139	7.139	0.000	99	2276632	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	91	76961	1.00	0.9601	
67 n-Butanol	56	7.584	7.566	0.018	91	82816	87.5	83.5	
68 Trichloroethene	95	7.633	7.633	0.000	98	62640	1.00	0.9142	
69 Methylcyclohexane	83	7.932	7.938	-0.006	91	104809	1.00	0.9518	
70 1,2-Dichloropropane	63	7.968	7.975	-0.007	96	61002	1.00	0.9206	
71 2-ethoxy-2-methyl butane	87	7.993	8.005	-0.012	93	94682	1.00	0.9122	
74 1,4-Dioxane	88	8.078	8.072	0.006	41	12867	50.0	52.6	M
73 Methyl methacrylate	69	8.084	8.084	0.000	90	28274	1.00	0.8972	
72 Dibromomethane	93	8.078	8.084	-0.006	86	30598	1.00	0.9338	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	73163	1.00	0.9060	
77 2-Nitropropane	41	8.621	8.621	0.000	98	47040	5.00	4.62	
78 1-Bromo-2-chloroethane	63	8.724	8.731	-0.007	99	62445	1.00	0.9623	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	91516	1.00	0.9206	
82 4-Methyl-2-pentanone (MIBK)	43	9.115	9.115	0.000	97	392778	10.0	9.37	
$ 83 Toluene-d8 (Surr)	98	9.243	9.249	-0.006	94	2272533	10.0	10.0	
84 Toluene	92	9.328	9.328	0.000	98	155529	1.00	0.9278	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	96	77269	1.00	0.9113	
86 Ethyl methacrylate	69	9.712	9.706	0.006	88	65660	1.00	0.8938	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	92	45195	1.00	0.9397	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	73096	1.00	0.9394	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	76134	1.00	0.9342	
S 107 1,3-Dichloropropene, Total	100				0			1.83	
106 2-Hexanone	43	10.090	10.090	0.000	97	285086	10.0	9.51	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	52157	1.00	0.8887	
110 Ethylene Dibromide	107	10.352	10.352	0.000	98	42569	1.00	0.9138	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1726233	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	95	86748	1.00	0.9221	
113 Chlorobenzene	112	10.840	10.840	0.000	96	177474	1.00	0.9250	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	95	58098	1.00	0.8897	
115 Ethylbenzene	91	10.937	10.937	0.000	98	304648	1.00	0.9136	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	241061	2.00	1.86	
S 117 Xylenes, Total	106				0			2.77	
118 o-Xylene	106	11.401	11.401	0.000	97	116161	1.00	0.9094	
119 Styrene	104	11.419	11.419	0.000	94	193183	1.00	0.9091	
120 Bromoform	173	11.578	11.578	0.000	96	30743	1.00	0.8995	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	272955	1.00	0.9275	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	857005	10.0	10.0	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	71	54271	1.00	0.9146	
125 Bromobenzene	156	11.980	11.980	0.000	90	79024	1.00	0.9478	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	91	121230	10.0	8.53	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	81	15198	1.00	0.9343	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	362762	1.00	0.9361	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	75265	1.00	0.9448	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	94	260269	1.00	0.9283	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	77762	1.00	0.9412	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	60824	1.00	0.9454	
134 Pentachloroethane	167	12.474	12.474	0.000	93	47492	1.00	0.9605	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	263217	1.00	0.9136	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	335990	1.00	0.9386	
137 1,3-Dichlorobenzene	146	12.711	12.712	-0.001	98	148339	1.00	0.9277	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	290194	1.00	0.9277	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.772	-0.006	96	939357	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.791	12.785	0.006	96	155274	1.00	0.9302	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	98	121701	1.00	0.9348	
142 Benzyl chloride	126	12.876	12.870	0.006	99	18678	1.00	0.8963	
145 p-Diethylbenzene	119	13.010	13.004	0.006	94	175710	1.00	0.9280	
143 n-Butylbenzene	92	13.028	13.029	0.000	98	140086	1.00	0.9290	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	134689	1.00	0.9232	
148 1,2-Dibromo-3-Chloropropane	155	13.614	13.608	0.006	84	6437	1.00	0.8124	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	100020	1.00	0.8923	
150 1,2,4-Trichlorobenzene	180	14.168	14.169	-0.001	95	71154	1.00	0.8402	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	44091	1.00	0.9312	
152 Naphthalene	128	14.351	14.345	0.006	97	112656	1.00	0.8140	
153 1,2,3-Trichlorobenzene	180	14.498	14.492	0.006	97	55874	1.00	0.8517	
154 2-Methylnaphthalene	142	15.107	15.101	0.006	92	33766	1.00	0.99	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LL_#1_826_00168	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

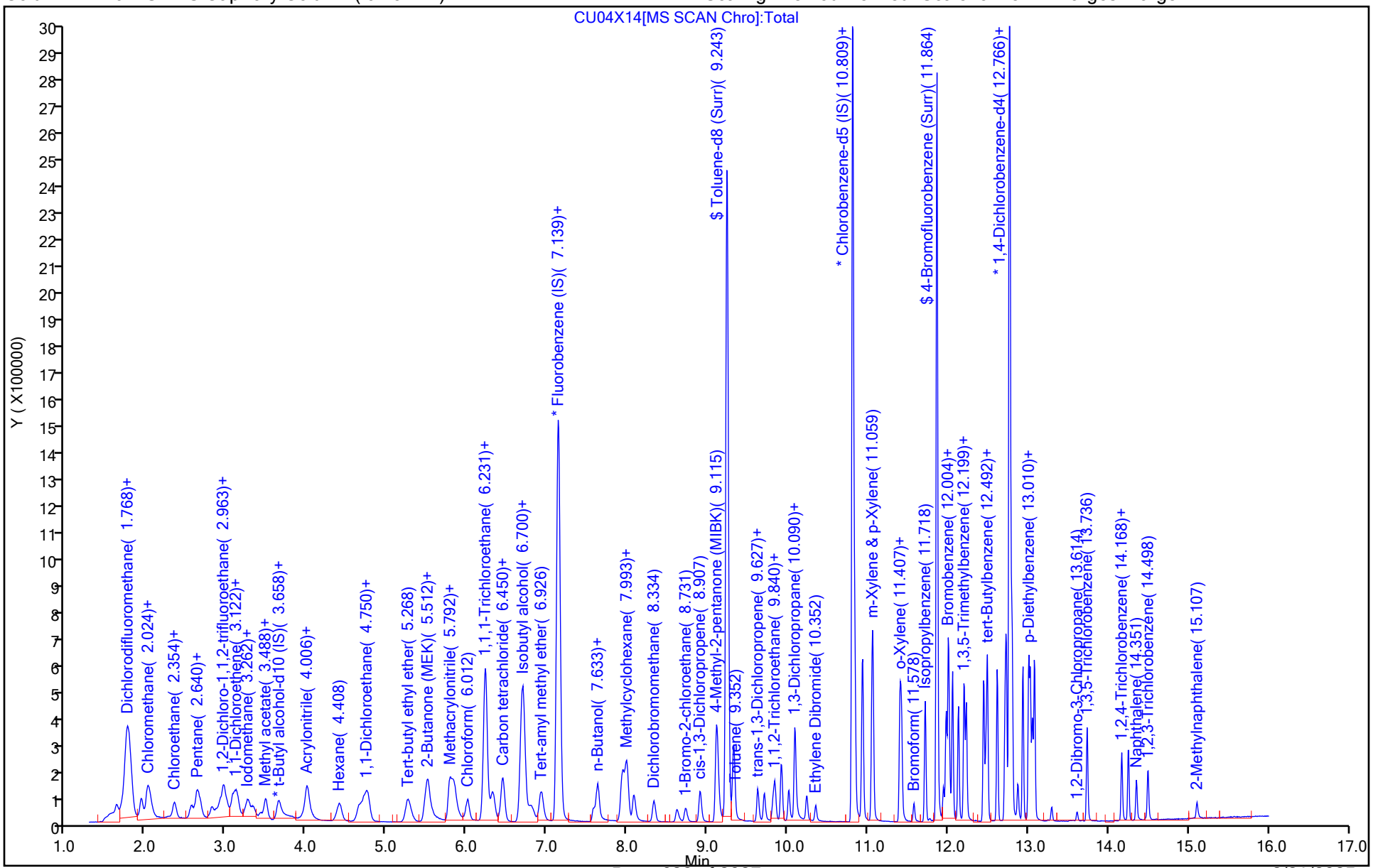
Report Date: 06-Jun-2025 09:18:28 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D

Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std3 1			Worklist Smp#:	15
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

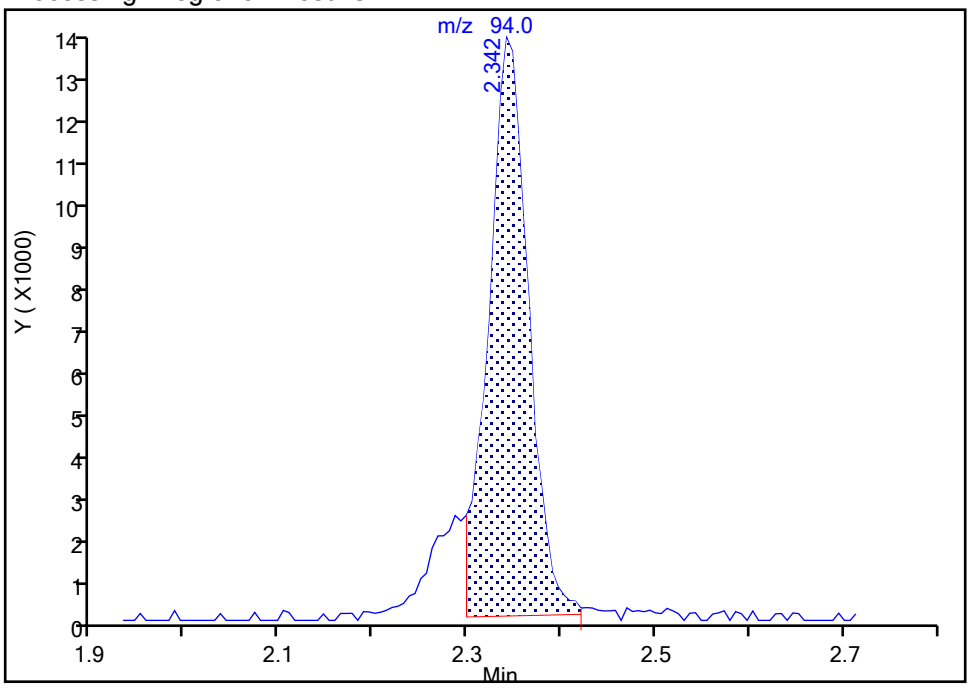
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Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

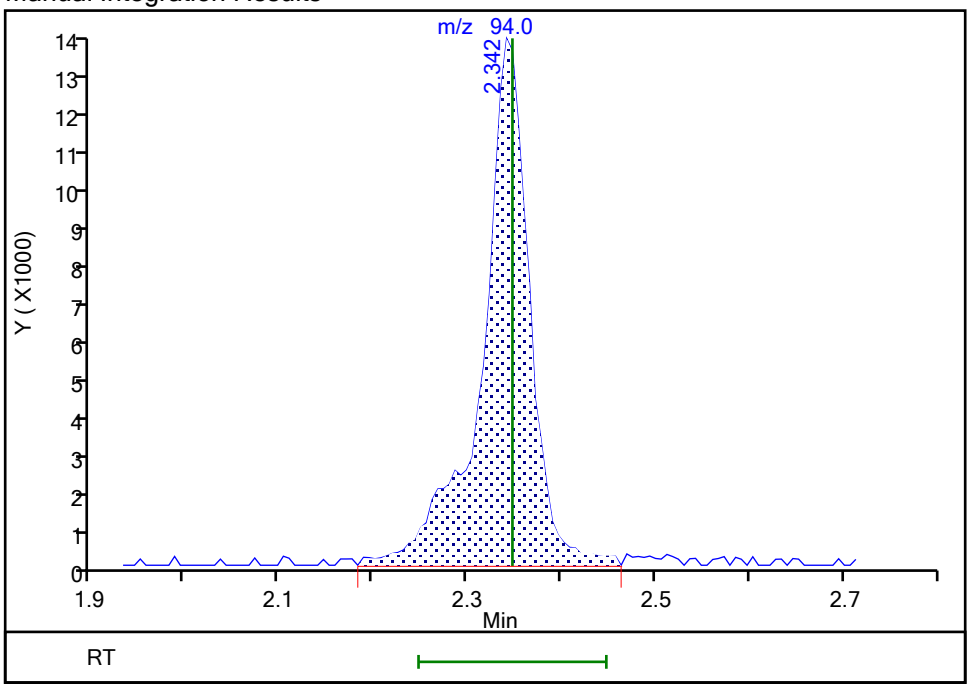
Processing Integration Results

RT: 2.34
Area: 40407
Amount: 0.886964
Amount Units: ug/l



Manual Integration Results

RT: 2.34
Area: 48569
Amount: 0.977855
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:50:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

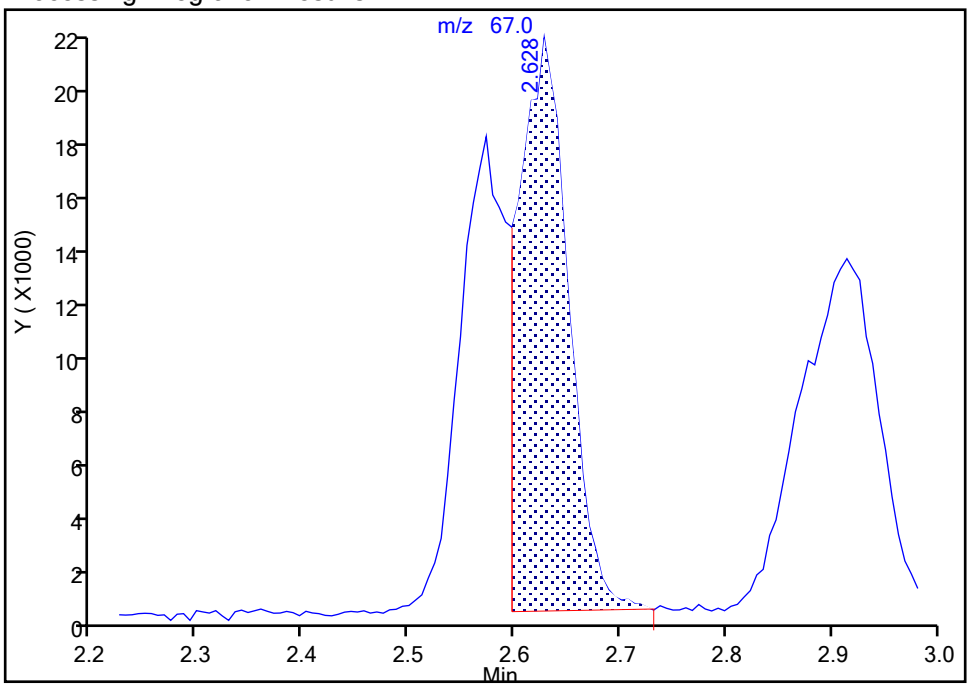
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Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

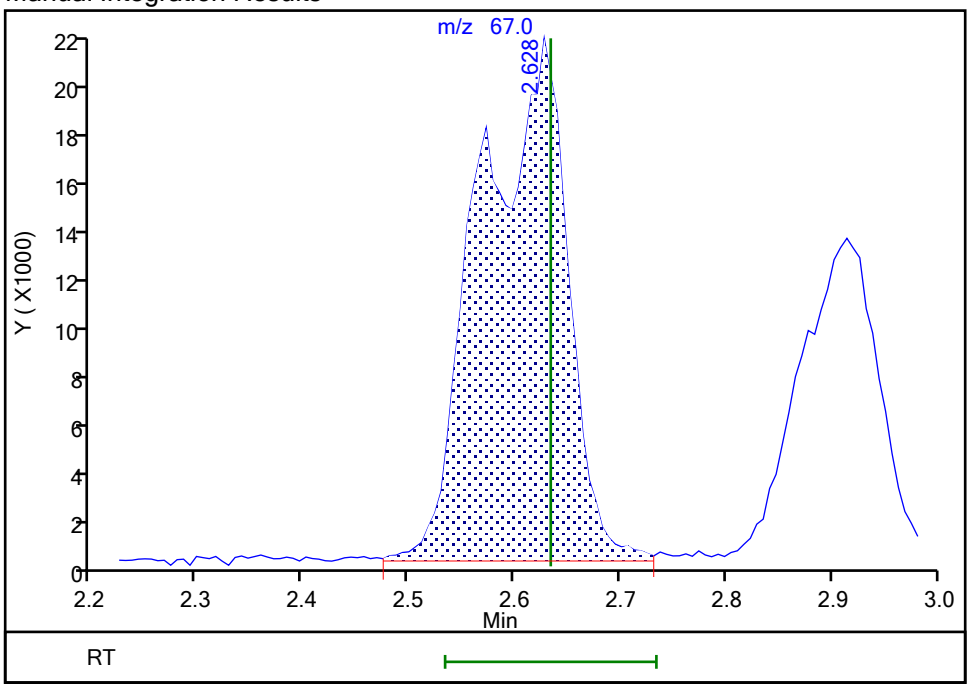
Processing Integration Results

RT: 2.63
Area: 69613
Amount: 0.709147
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 122462
Amount: 0.962952
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:51:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

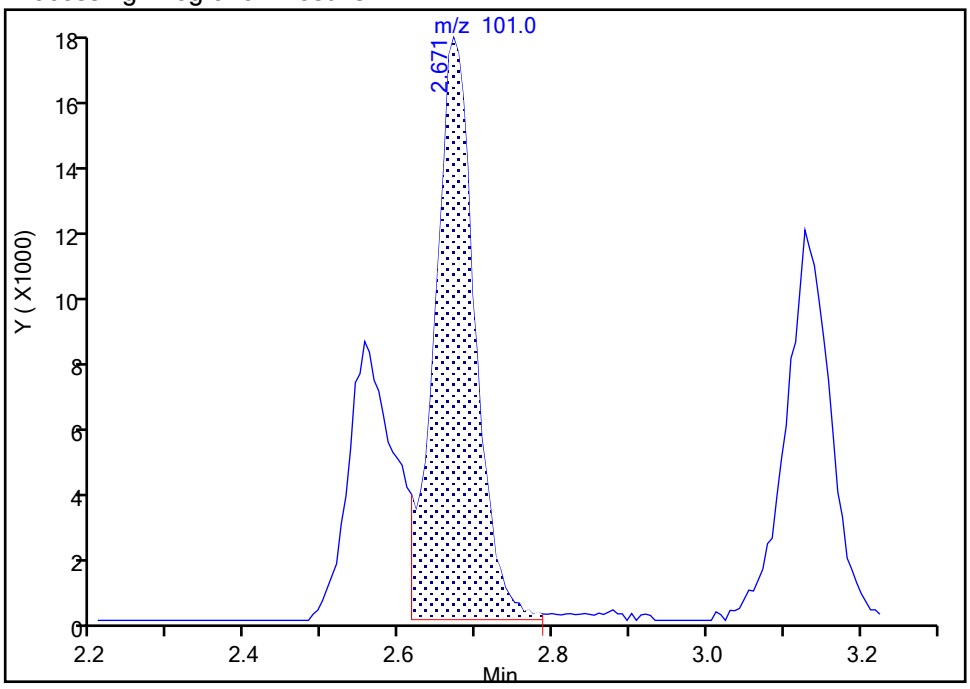
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Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

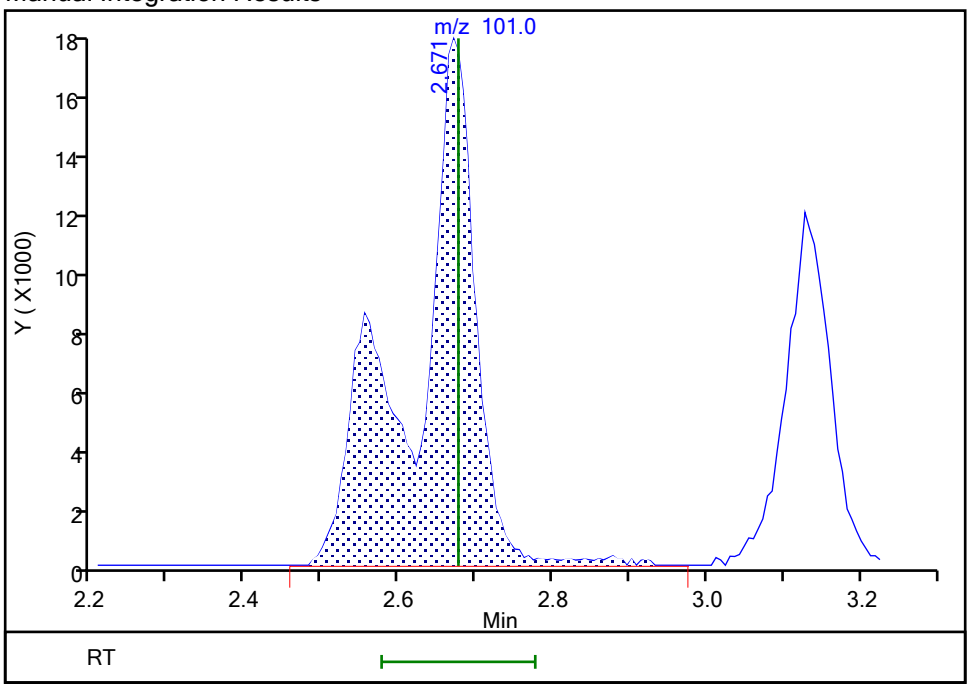
Processing Integration Results

RT: 2.67
Area: 64724
Amount: 0.738492
Amount Units: ug/l



Manual Integration Results

RT: 2.67
Area: 100091
Amount: 1.018438
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:51:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

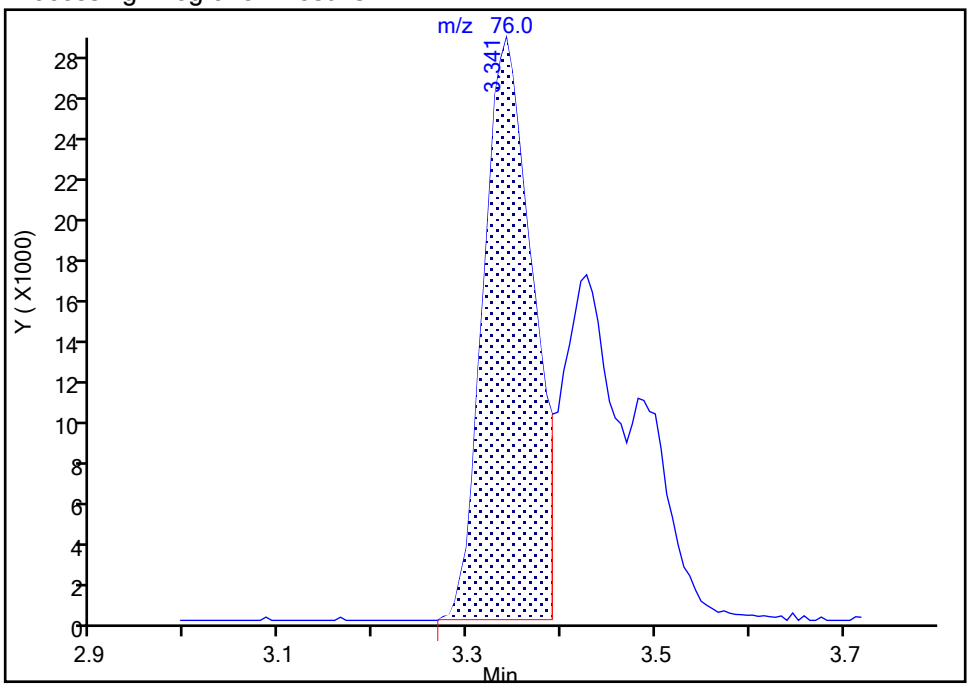
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Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

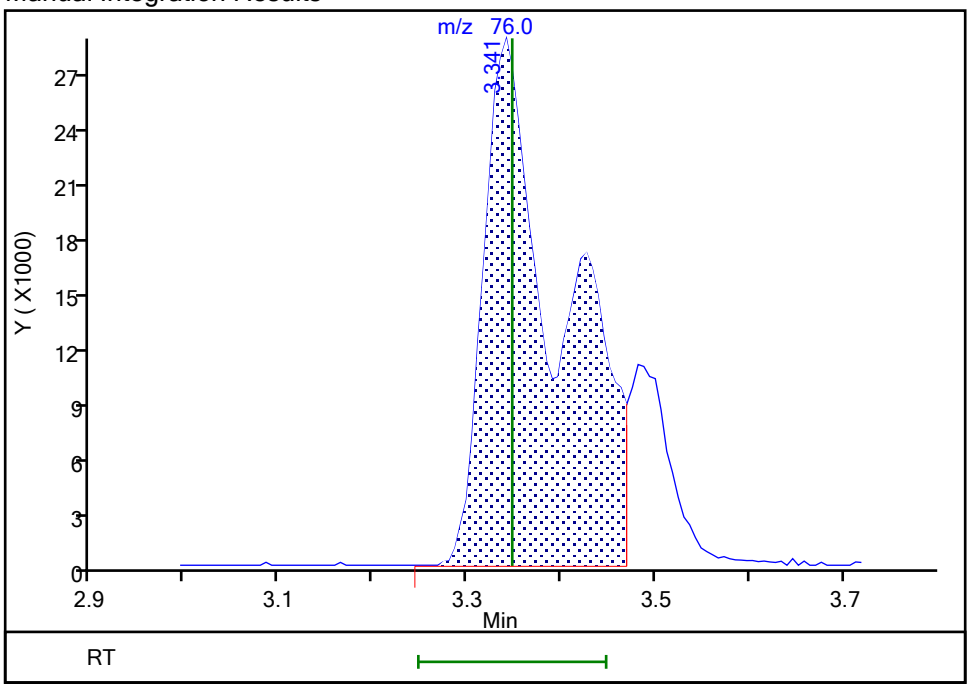
Processing Integration Results

RT: 3.34
Area: 105890
Amount: 0.715254
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 167455
Amount: 0.937971
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:12:31 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

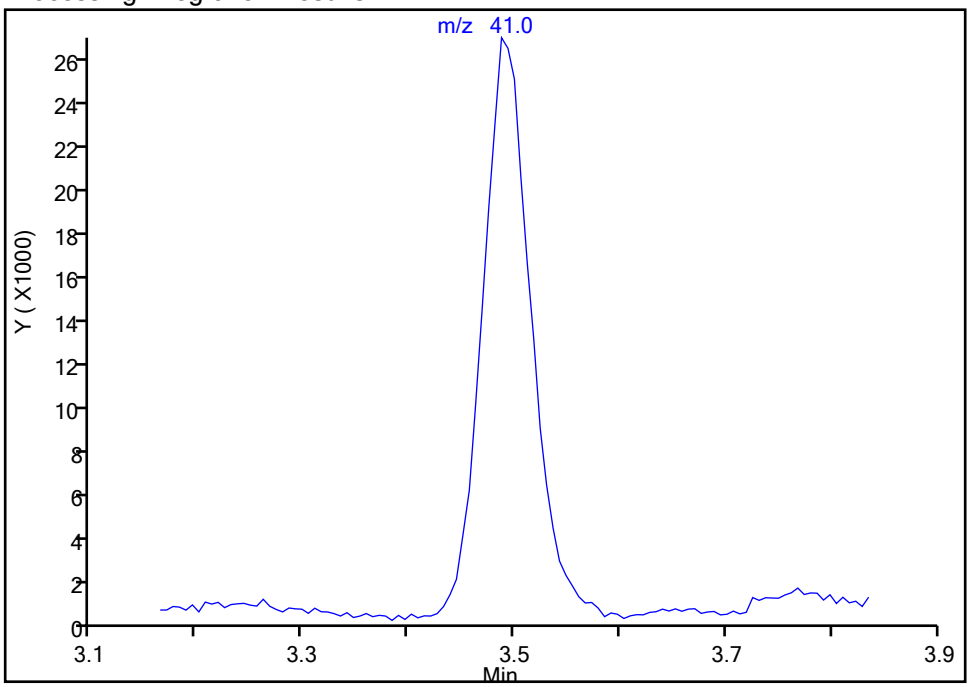
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Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

29 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

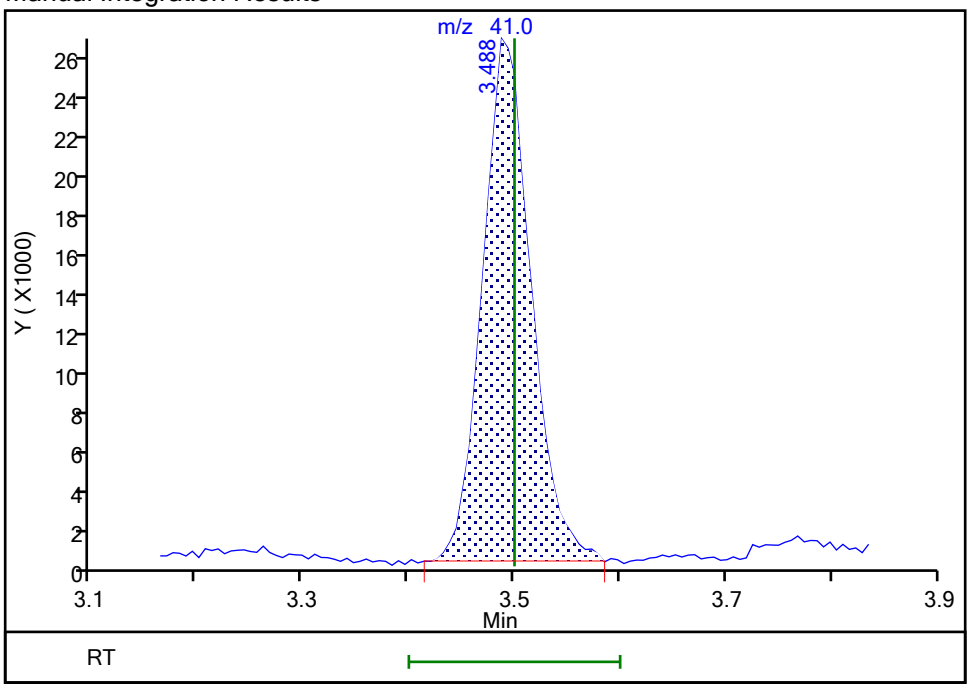
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 81834
Amount: 0.897184
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:51:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

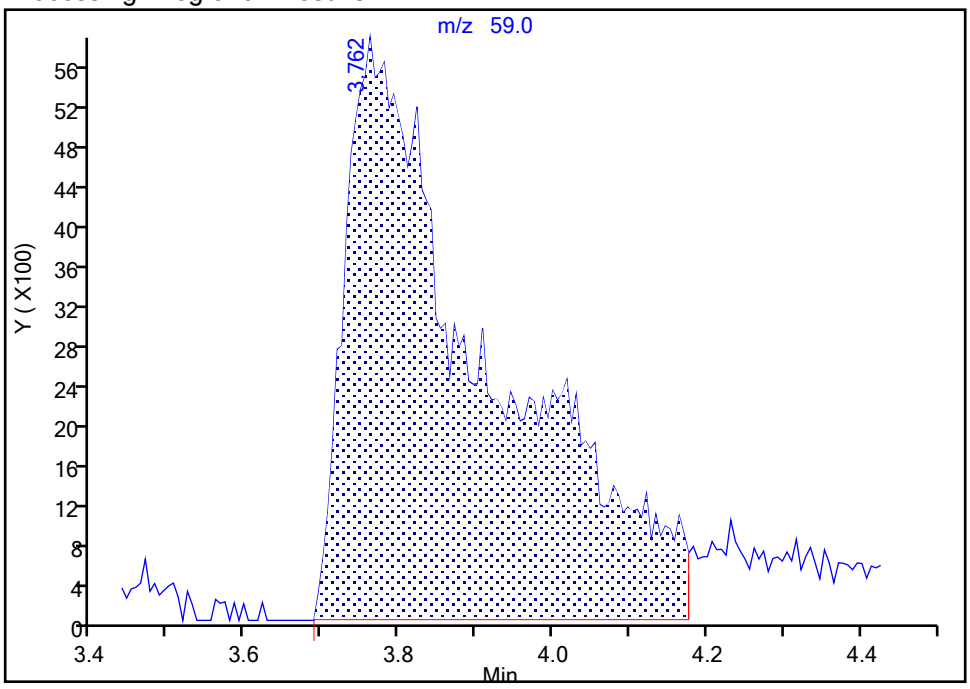
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Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

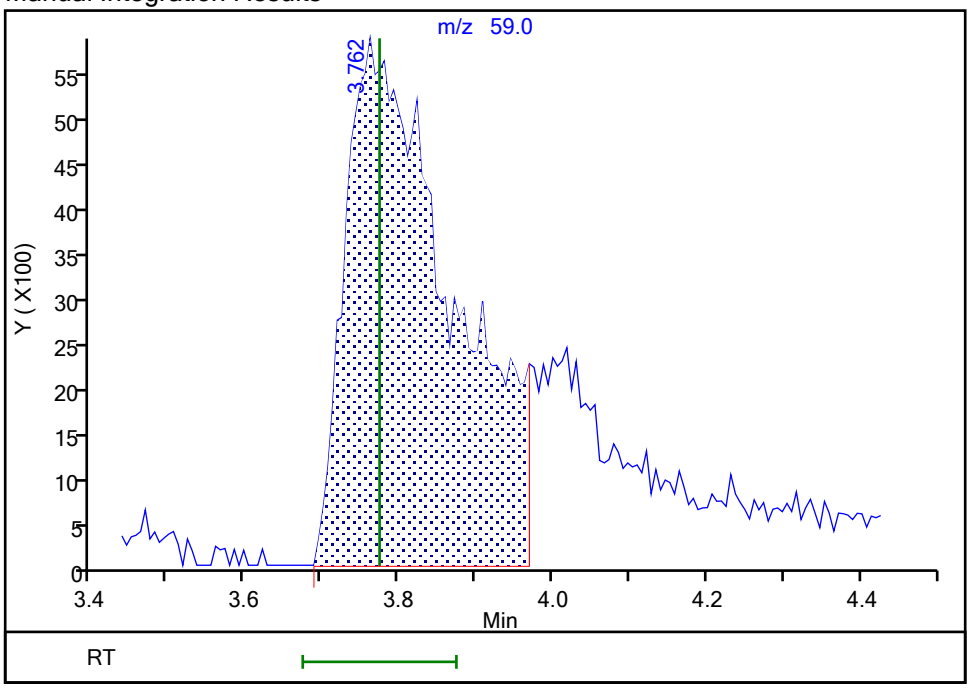
Processing Integration Results

RT: 3.76
Area: 74740
Amount: 25.222331
Amount Units: ug/l



Manual Integration Results

RT: 3.76
Area: 56644
Amount: 21.916930
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:13:27 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

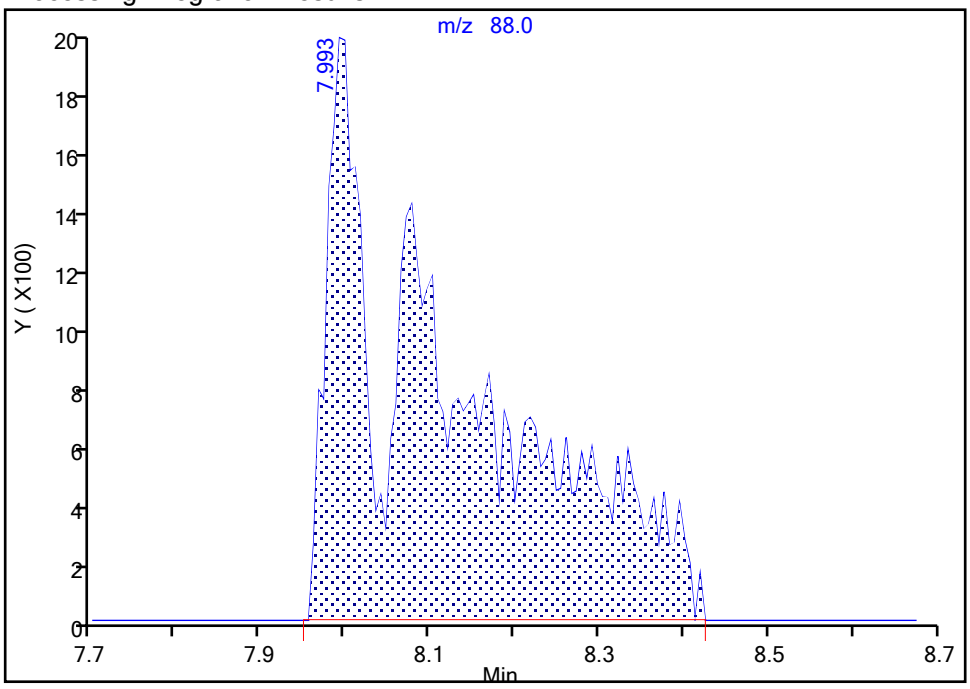
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X14.D				
Injection Date:	04-Jun-2025 21:51:30	Instrument ID:	10193		
Lims ID:	IC std3 1				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

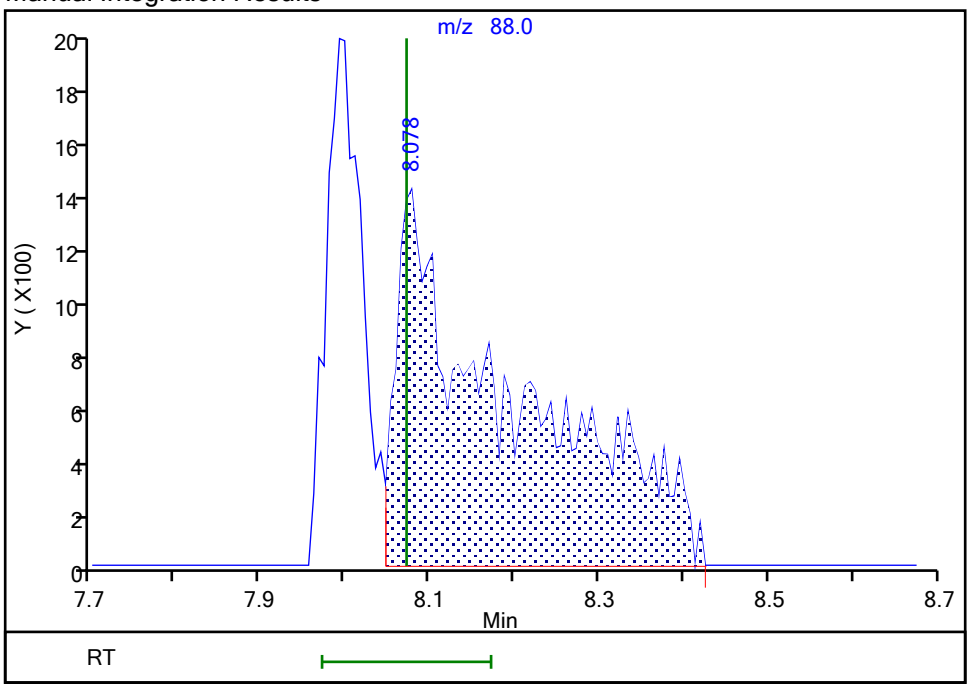
Processing Integration Results

RT: 7.99
Area: 18388
Amount: 75.016163
Amount Units: ug/l



Manual Integration Results

RT: 8.08
Area: 12867
Amount: 52.563231
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:51:53 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D
Lims ID: IC std4 2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Jun-2025 22:13:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-016
Misc. Info.: IC STD2 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:32 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:50:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.762	1.762	0.000	99	152735	2.00	2.02	
5 Chloromethane	50	1.945	1.945	0.000	99	176712	2.00	1.97	
7 Butadiene	39	2.024	2.025	-0.001	91	194574	2.00	1.89	M
6 Vinyl chloride	62	2.049	2.043	0.006	98	155580	2.00	1.96	
9 Bromomethane	94	2.354	2.348	0.006	91	104025	2.00	2.05	M
10 Chloroethane	64	2.378	2.372	0.006	100	89652	2.00	2.00	
11 Dichlorofluoromethane	67	2.634	2.634	0.000	97	258590	2.00	1.99	M
13 Pentane	43	2.646	2.646	0.000	97	163171	2.00	1.87	
12 Trichlorofluoromethane	101	2.677	2.677	0.000	99	199007	2.00	1.99	
14 Ethyl ether	59	2.829	2.823	0.006	93	94728	2.00	1.98	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.927	2.927	0.000	93	139024	2.00	1.99	
17 Acrolein	56	2.975	2.970	0.005	99	688718	97.6	94.0	M
18 1,1-Dichloroethene	96	3.097	3.098	-0.001	99	86979	2.00	1.76	
20 Acetone	43	3.116	3.116	0.000	76	170436	20.0	17.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.140	3.140	0.000	94	97879	2.00	1.91	
24 Isopropyl alcohol	45	3.256	3.250	0.006	34	63247	40.0	34.8	M
22 Iodomethane	142	3.262	3.262	0.000	99	186388	2.00	1.85	
23 Ethyl bromide	108	3.286	3.280	0.006	97	91693	2.00	1.94	
25 Carbon disulfide	76	3.353	3.347	0.006	99	331656	2.00	1.82	M
26 Methyl acetate	43	3.475	3.469	0.006	53	53691	2.00	2.08	
29 3-Chloro-1-propene	41	3.506	3.500	0.006	89	171803	2.00	1.85	
* 31 t-Butyl alcohol-d10 (IS)	65	3.695	3.652	0.043	94	202164	50.0	50.0	
30 Methylene Chloride	84	3.664	3.658	0.006	92	110553	2.00	1.85	
32 2-Methyl-2-propanol	59	3.774	3.774	0.000	99	102513	40.0	34.1	M
33 Acrylonitrile	53	3.969	3.957	0.012	97	61778	5.00	4.40	M
34 Methyl tert-butyl ether	73	4.024	4.018	0.006	93	310841	2.00	1.84	
35 trans-1,2-Dichloroethene	96	4.018	4.018	0.000	99	113688	2.00	1.87	
36 Hexane	57	4.420	4.414	0.006	94	153463	2.00	1.85	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	205117	2.00	1.85	
39 Isopropyl ether	45	4.731	4.725	0.006	94	378204	2.00	1.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.774	4.768	0.006	92	178208	2.00	1.82	
41 Tert-butyl ethyl ether	59	5.280	5.274	0.006	98	374966	2.00	1.86	
42 2-Butanone (MEK)	43	5.481	5.475	0.006	100	323305	20.0	17.6	
43 cis-1,2-Dichloroethene	96	5.518	5.512	0.006	84	131624	2.00	1.88	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	68	158689	2.00	1.82	
45 Propionitrile	54	5.579	5.573	0.006	98	180401	40.0	36.4	
47 Methacrylonitrile	67	5.798	5.798	0.000	91	324042	20.0	18.2	
48 Chlorobromomethane	128	5.853	5.853	0.000	92	58456	2.00	1.87	
49 Tetrahydrofuran	71	5.859	5.853	0.006	70	44058	10.0	8.44	
50 Chloroform	83	6.018	6.012	0.006	95	208918	2.00	1.85	
S 52 1,2-Dichloroethene, Total	100				0			3.74	
$ 54 Dibromofluoromethane (Surr)	113	6.237	6.231	0.006	93	555310	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.237	6.231	0.006	52	182214	2.00	1.85	
55 Cyclohexane	56	6.328	6.329	-0.001	91	195263	2.00	1.86	
56 Carbon tetrachloride	117	6.444	6.444	0.000	98	155309	2.00	1.85	
57 1,1-Dichloropropene	75	6.463	6.457	0.006	96	161099	2.00	1.82	
58 Isobutyl alcohol	41	6.658	6.652	0.006	91	109792	100.0	89.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	99	115978	10.0	10.3	
60 Benzene	78	6.725	6.725	0.000	96	481493	2.00	1.82	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	97	133938	2.00	1.86	M
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	332620	2.00	1.84	
* 65 Fluorobenzene (IS)	96	7.145	7.139	0.006	99	2320746	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	90	149894	2.00	1.83	
67 n-Butanol	56	7.578	7.566	0.012	89	182657	175.0	158.5	M
68 Trichloroethene	95	7.633	7.633	0.000	99	127863	2.00	1.83	
69 Methylcyclohexane	83	7.938	7.938	0.000	92	207437	2.00	1.85	
70 1,2-Dichloropropane	63	7.974	7.975	-0.001	95	123644	2.00	1.83	
71 2-ethoxy-2-methyl butane	87	8.005	8.005	0.000	93	196603	2.00	1.86	
74 1,4-Dioxane	88	8.078	8.072	0.006	37	26267	100.0	92.3	M
73 Methyl methacrylate	69	8.084	8.084	0.000	90	64576	2.00	1.76	
72 Dibromomethane	93	8.084	8.084	0.000	86	61876	2.00	1.85	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	151966	2.00	1.85	
77 2-Nitropropane	41	8.621	8.621	0.000	98	101963	10.0	8.62	
78 1-Bromo-2-chloroethane	63	8.730	8.731	-0.001	99	127120	2.00	1.92	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	186102	2.00	1.84	
82 4-Methyl-2-pentanone (MIBK)	43	9.121	9.115	0.006	97	850809	20.0	17.5	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2332401	10.0	9.96	
84 Toluene	92	9.334	9.328	0.006	98	315864	2.00	1.82	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	95	158386	2.00	1.81	
86 Ethyl methacrylate	69	9.712	9.706	0.006	89	137362	2.00	1.81	
87 1,1,2-Trichloroethane	97	9.846	9.846	0.000	91	91203	2.00	1.84	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	145331	2.00	1.81	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	155518	2.00	1.85	
S 107 1,3-Dichloropropene, Total	100				0			3.65	
106 2-Hexanone	43	10.090	10.090	0.000	97	618240	20.0	17.7	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	110483	2.00	1.82	
110 Ethylene Dibromide	107	10.352	10.352	0.000	99	88880	2.00	1.85	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1782828	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	97	171417	2.00	1.76	
113 Chlorobenzene	112	10.840	10.840	0.000	96	363956	2.00	1.84	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	95	122089	2.00	1.81	
115 Ethylbenzene	91	10.937	10.937	0.000	98	620788	2.00	1.80	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	486454	4.00	3.64	
S 117 Xylenes, Total	106				0			5.45	
118 o-Xylene	106	11.401	11.401	0.000	97	239367	2.00	1.81	
119 Styrene	104	11.419	11.419	0.000	95	399285	2.00	1.82	
120 Bromoform	173	11.577	11.578	-0.001	97	63801	2.00	1.81	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	556019	2.00	1.83	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	882041	10.0	9.98	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	77	115023	2.00	1.88	
125 Bromobenzene	156	11.980	11.980	0.000	93	158356	2.00	1.84	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	273068	20.0	18.6	
128 1,2,3-Trichloropropane	110	12.022	12.023	-0.001	82	31967	2.00	1.91	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	736830	2.00	1.84	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	150474	2.00	1.83	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	94	526671	2.00	1.82	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	155124	2.00	1.82	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	121542	2.00	1.83	
134 Pentachloroethane	167	12.474	12.474	0.000	92	97302	2.00	1.91	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	549085	2.00	1.85	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	676177	2.00	1.83	
137 1,3-Dichlorobenzene	146	12.711	12.712	-0.001	98	304052	2.00	1.84	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	586132	2.00	1.82	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.772	-0.006	96	968209	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.791	12.785	0.006	97	318860	2.00	1.85	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	98	245691	2.00	1.83	
142 Benzyl chloride	126	12.870	12.870	0.000	99	39473	2.00	1.84	
145 p-Diethylbenzene	119	13.004	13.004	0.000	95	358587	2.00	1.84	
143 n-Butylbenzene	92	13.028	13.029	0.000	97	281274	2.00	1.81	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	279256	2.00	1.86	
148 1,2-Dibromo-3-Chloropropane	155	13.607	13.608	-0.001	86	15636	2.00	1.91	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	207850	2.00	1.80	
150 1,2,4-Trichlorobenzene	180	14.168	14.169	-0.001	95	157064	2.00	1.80	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	87493	2.00	1.79	
152 Naphthalene	128	14.351	14.345	0.006	96	263482	2.00	1.85	
153 1,2,3-Trichlorobenzene	180	14.498	14.492	0.006	96	121255	2.00	1.79	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	82503	2.00	1.76	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00168	Amount Added:	2.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added:	2.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	2.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Jun-2025 09:18:33 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X15.D

Injection Date: 04-Jun-2025 22:13:30 Instrument ID: 10193 Operator ID: knk41612

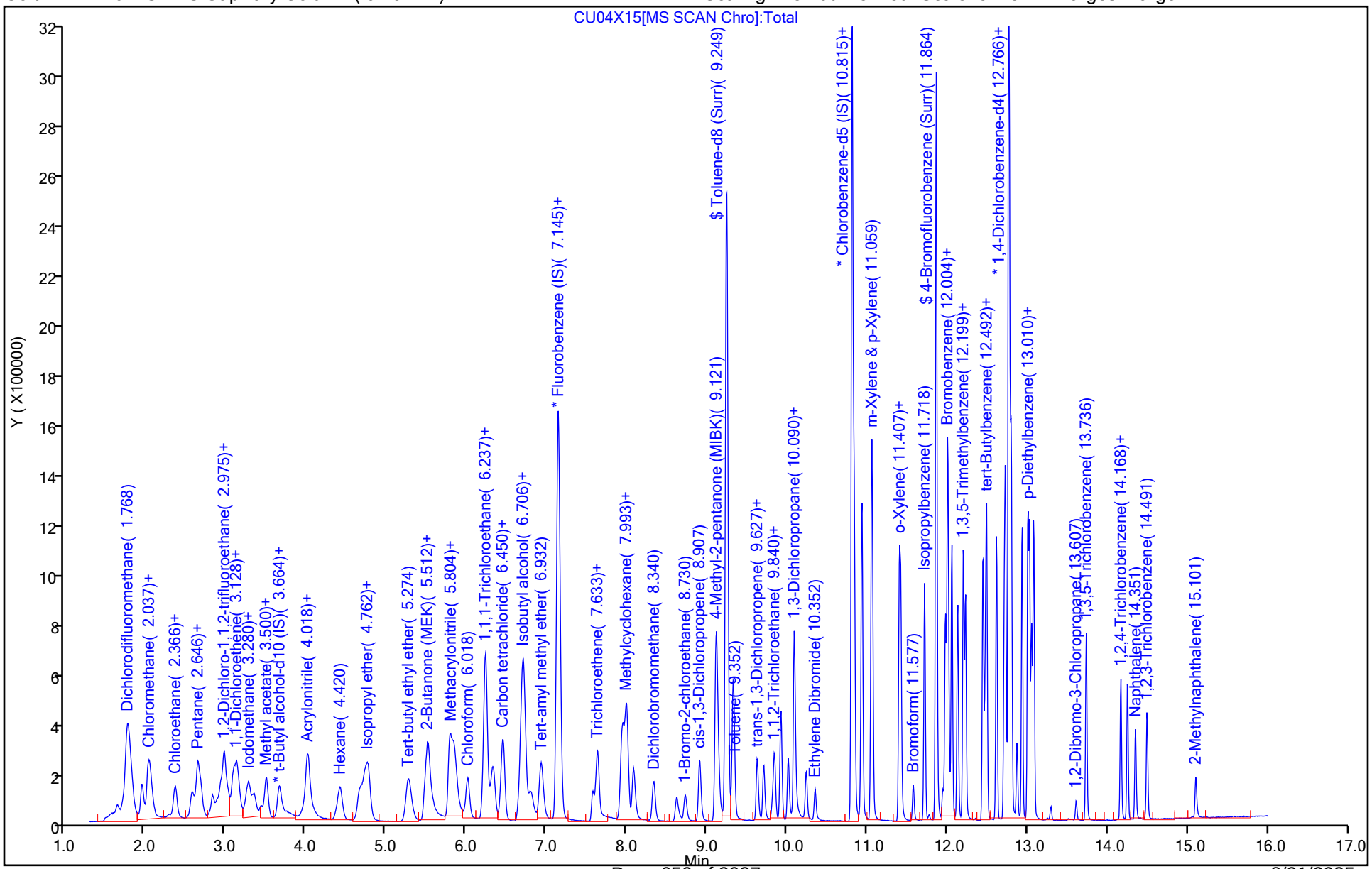
Lims ID: IC std4 2 Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 15

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

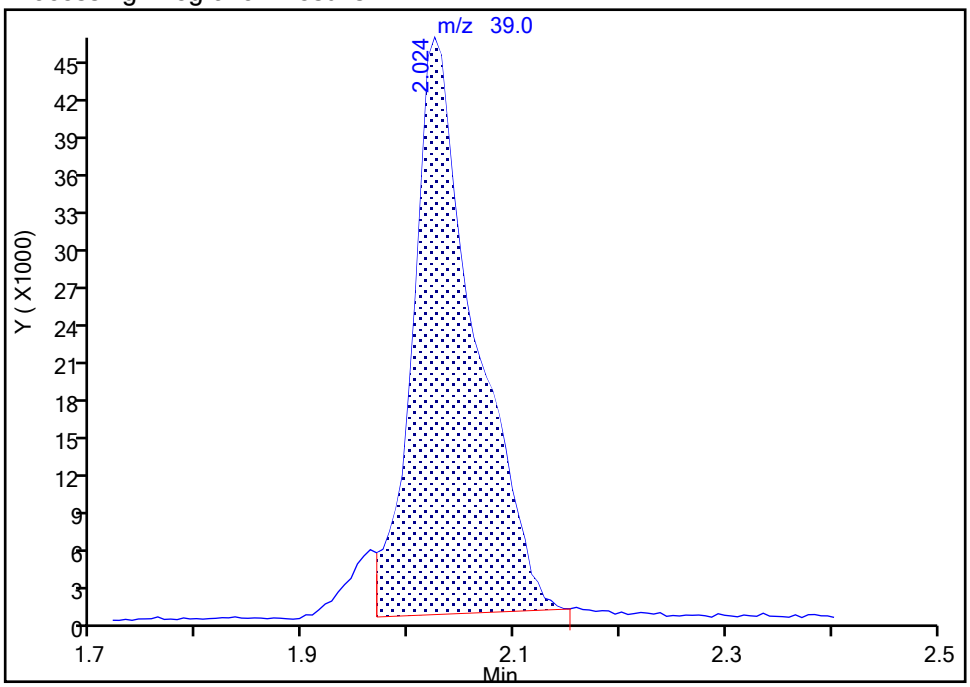
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Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Signal: 1

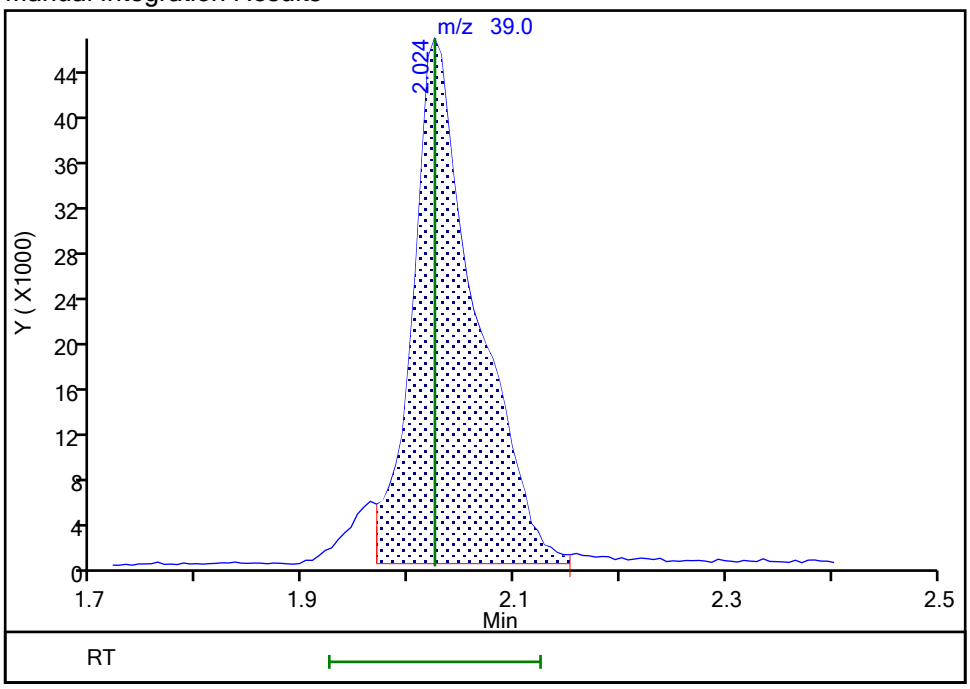
Processing Integration Results

RT: 2.02
Area: 188428
Amount: 2.144098
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 194574
Amount: 1.885932
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:48:37 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

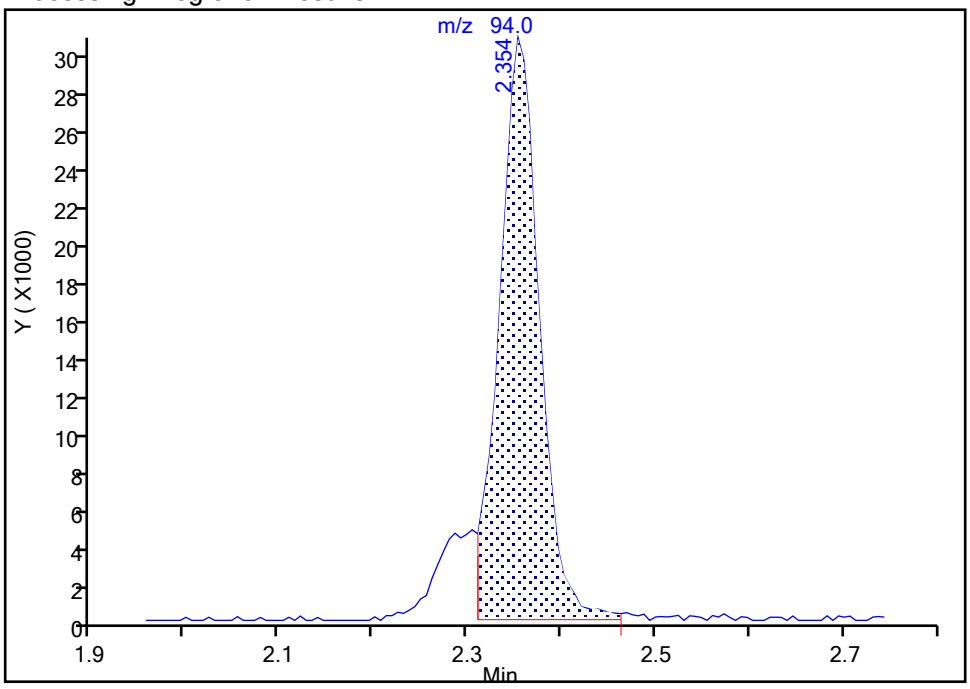
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Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

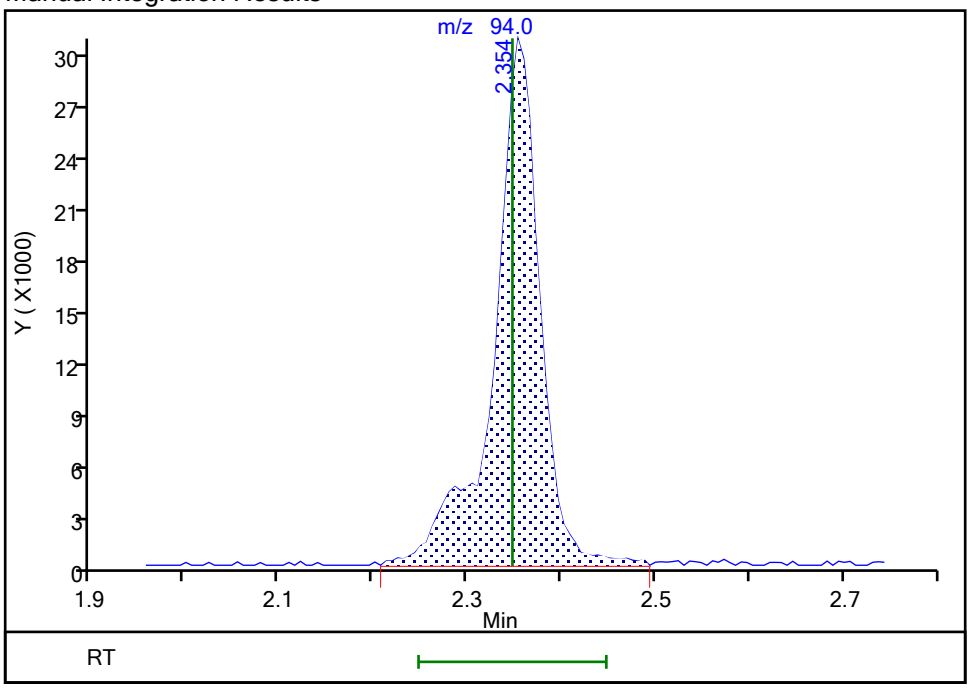
Processing Integration Results

RT: 2.35
Area: 90478
Amount: 1.989769
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 104025
Amount: 2.054557
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:48:43 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

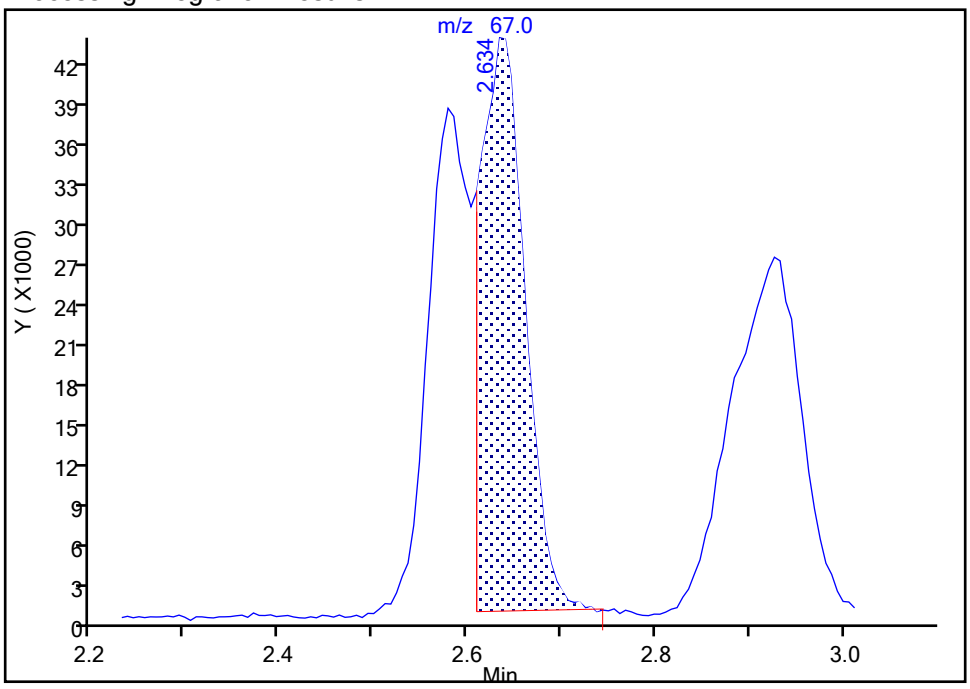
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Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

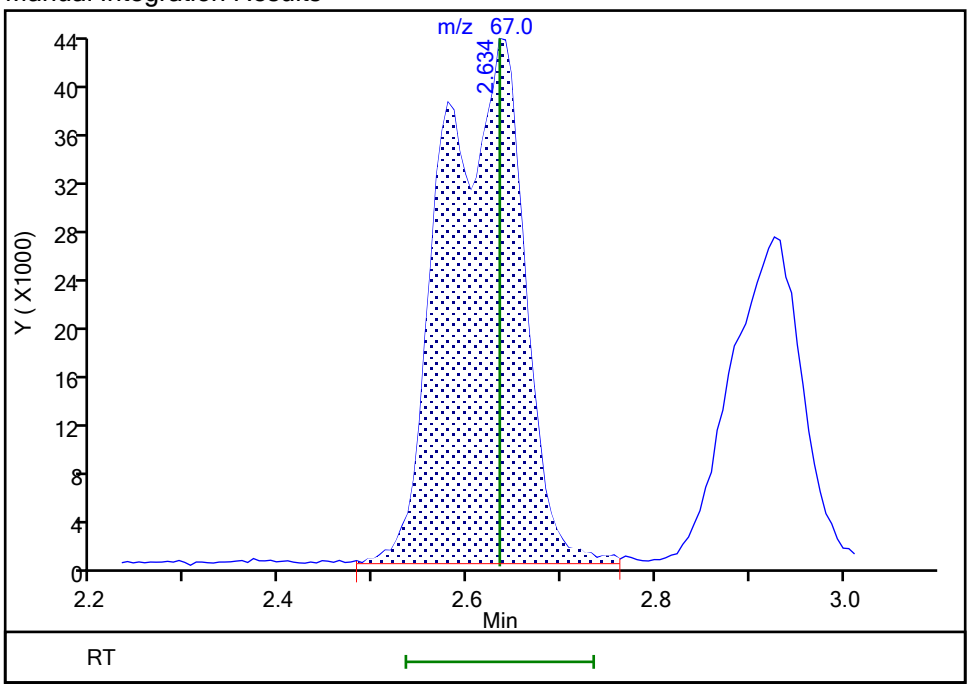
Processing Integration Results

RT: 2.63
Area: 139512
Amount: 1.428002
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 258590
Amount: 1.994712
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:48:58 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

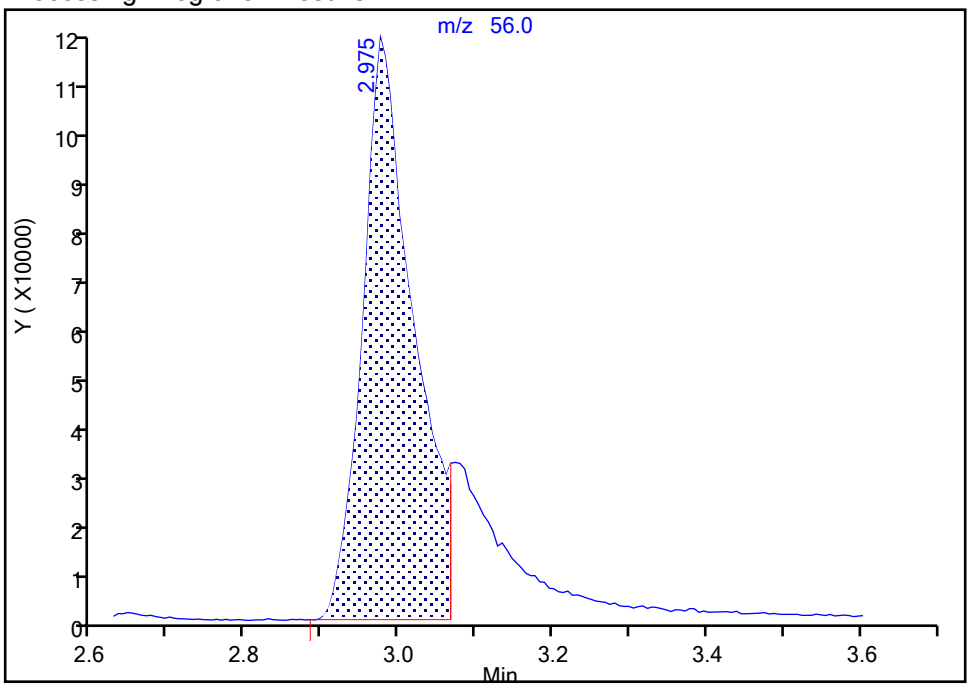
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Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

17 Acrolein, CAS: 107-02-8

Signal: 1

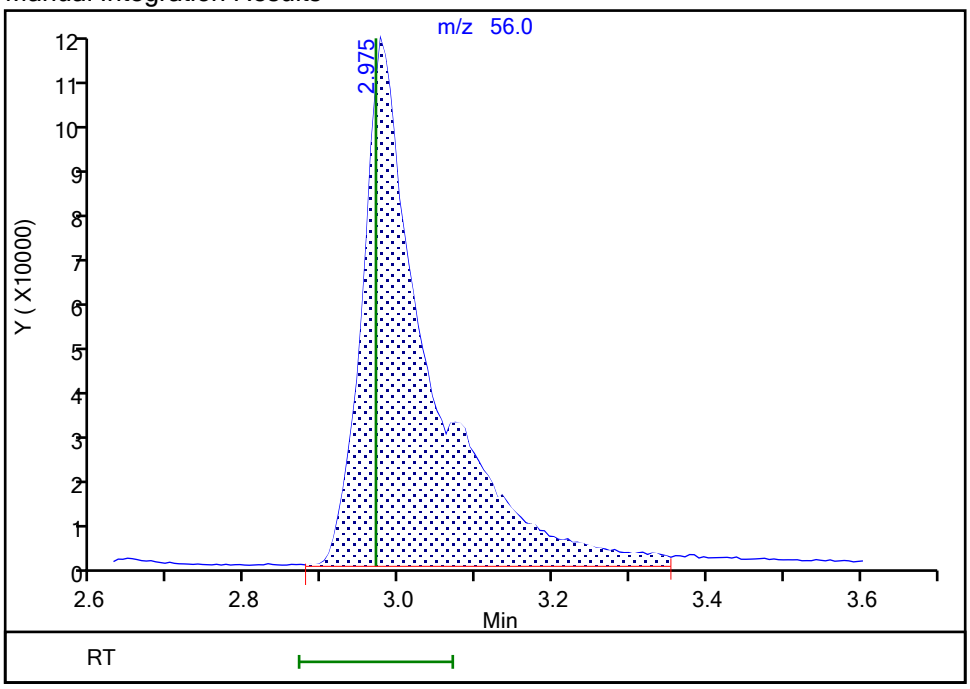
Processing Integration Results

RT: 2.98
Area: 527020
Amount: 74.327757
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 688718
Amount: 93.994583
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:49:16 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

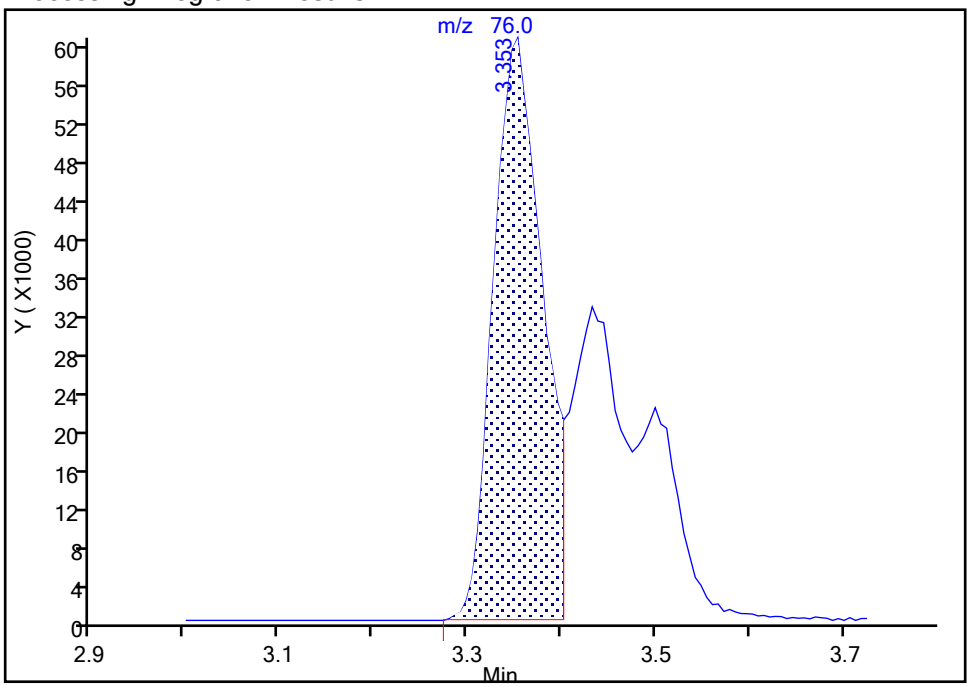
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Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

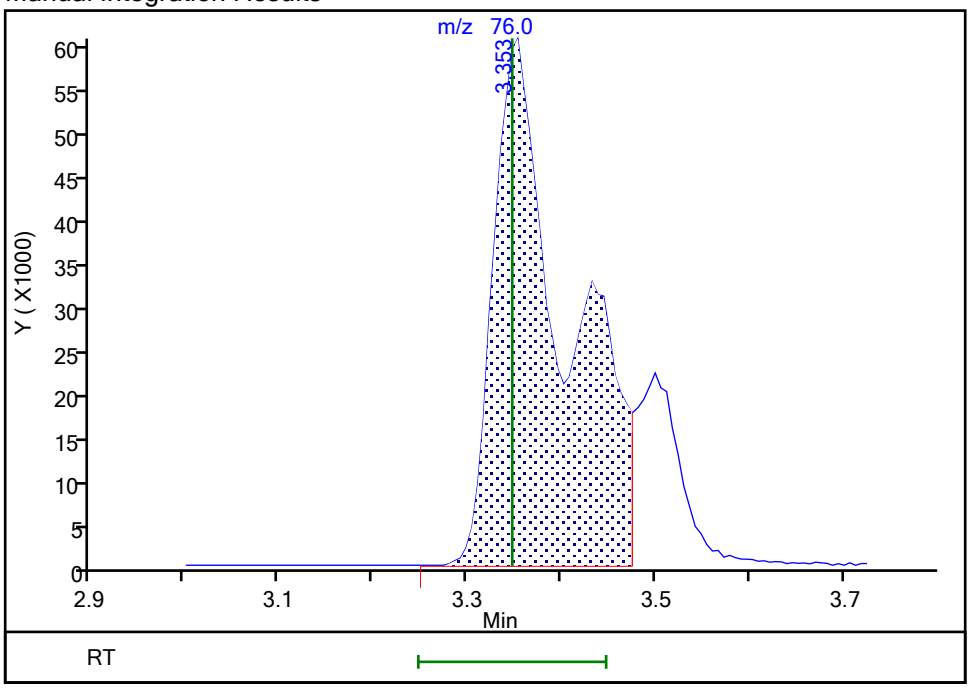
Processing Integration Results

RT: 3.35
Area: 221430
Amount: 1.510184
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 331656
Amount: 1.822402
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:10:56 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

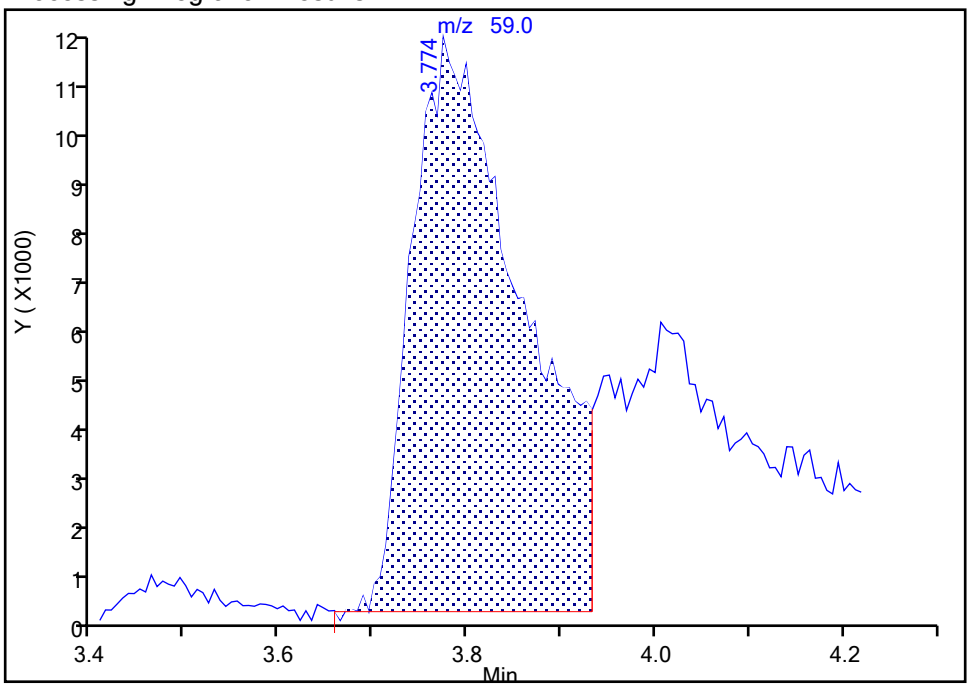
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Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

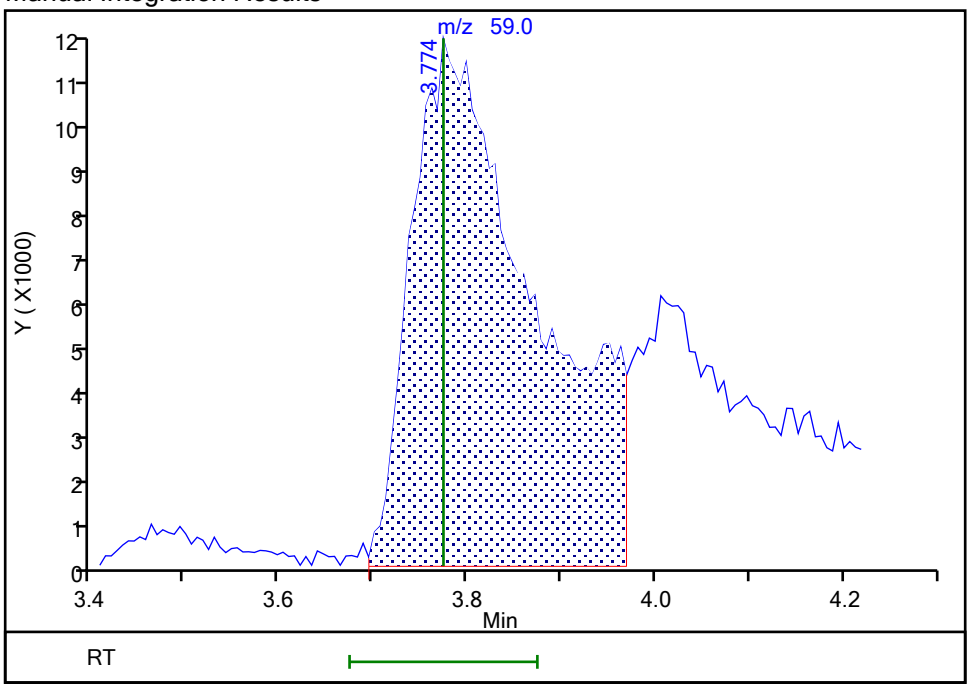
Processing Integration Results

RT: 3.77
Area: 90050
Amount: 26.491944
Amount Units: ug/l



Manual Integration Results

RT: 3.77
Area: 102513
Amount: 34.130122
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:11:38 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Other

Eurofins Lancaster Laboratories Environment Testing, LLC

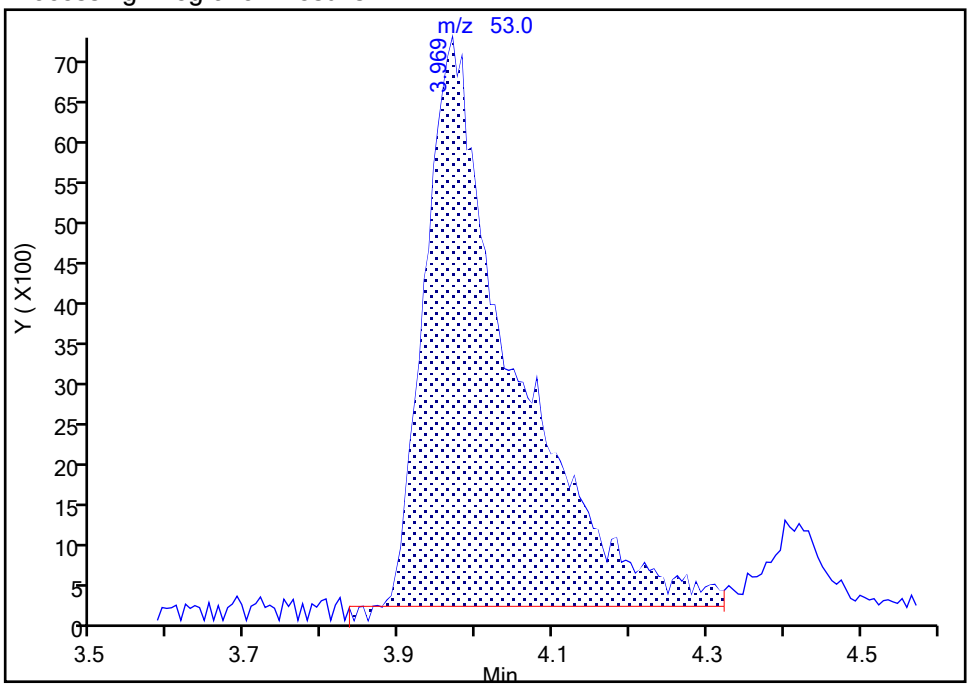
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Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

33 Acrylonitrile, CAS: 107-13-1

Signal: 1

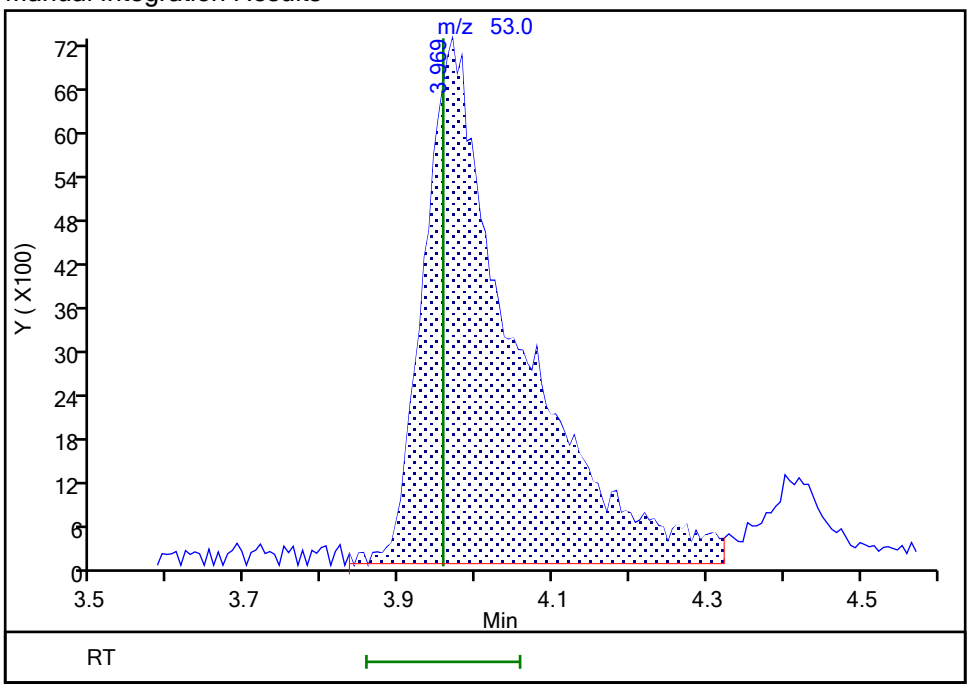
Processing Integration Results

RT: 3.97
Area: 57156
Amount: 4.113593
Amount Units: ug/l



Manual Integration Results

RT: 3.97
Area: 61778
Amount: 4.404383
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:49:48 -04:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

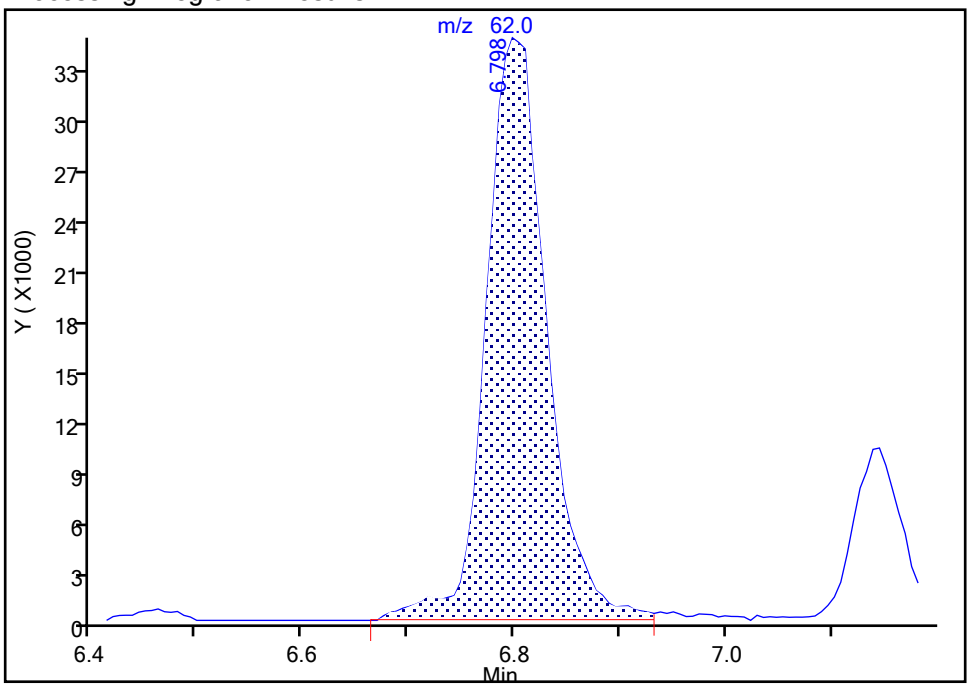
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Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

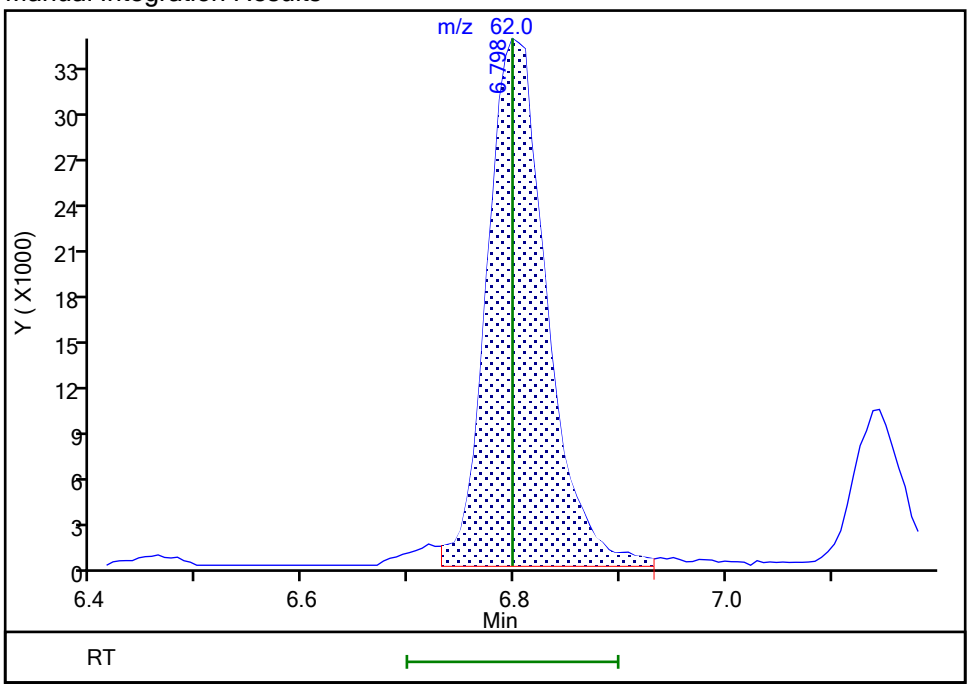
Processing Integration Results

RT: 6.80
Area: 136675
Amount: 1.860164
Amount Units: ug/l



Manual Integration Results

RT: 6.80
Area: 133938
Amount: 1.855425
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:22:48 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

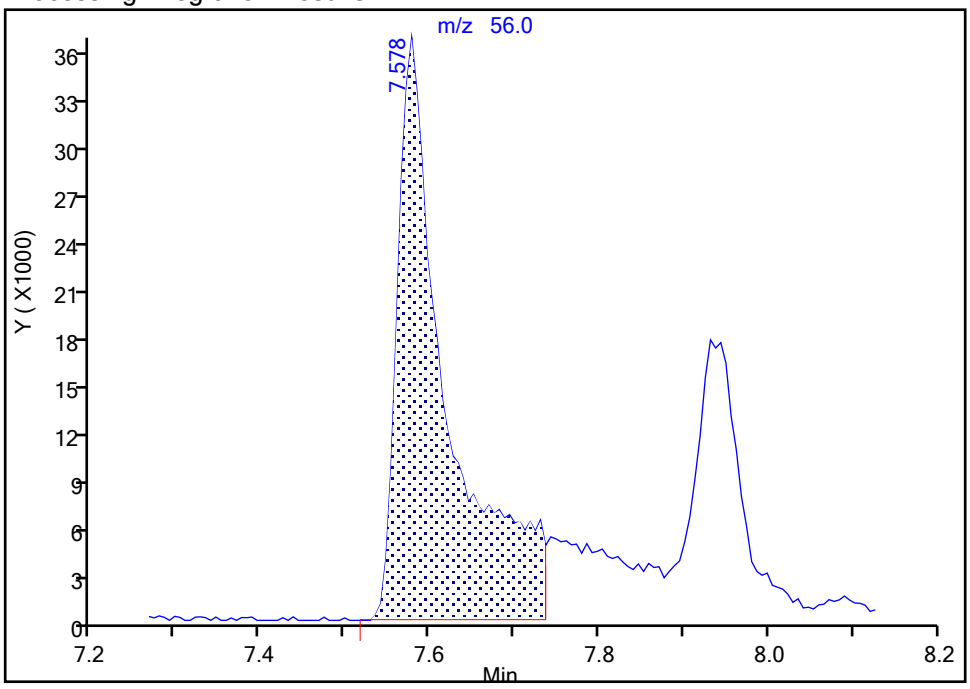
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Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

67 n-Butanol, CAS: 71-36-3

Signal: 1

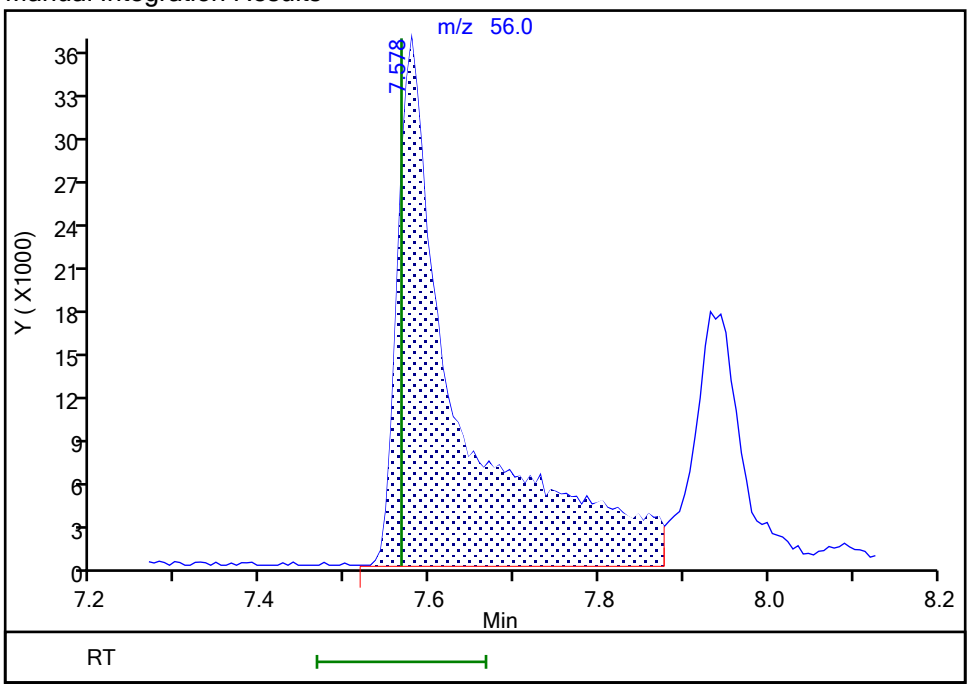
Processing Integration Results

RT: 7.58
Area: 148935
Amount: 135.3441
Amount Units: ug/l



Manual Integration Results

RT: 7.58
Area: 182657
Amount: 158.5027
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:50:14 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

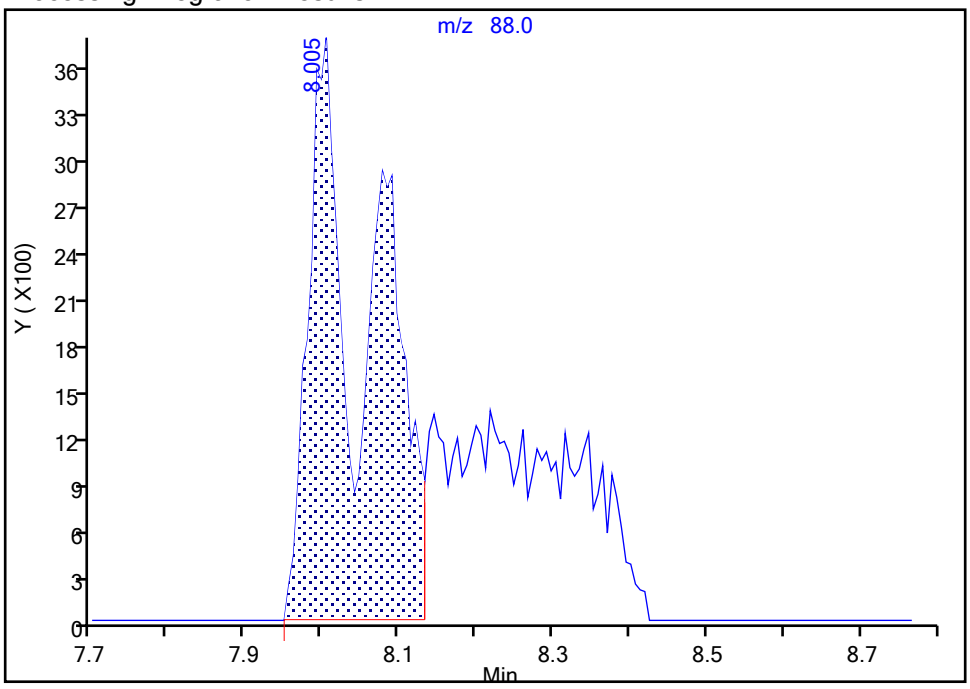
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Injection Date:	04-Jun-2025 22:13:30	Instrument ID:	10193		
Lims ID:	IC std4 2				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

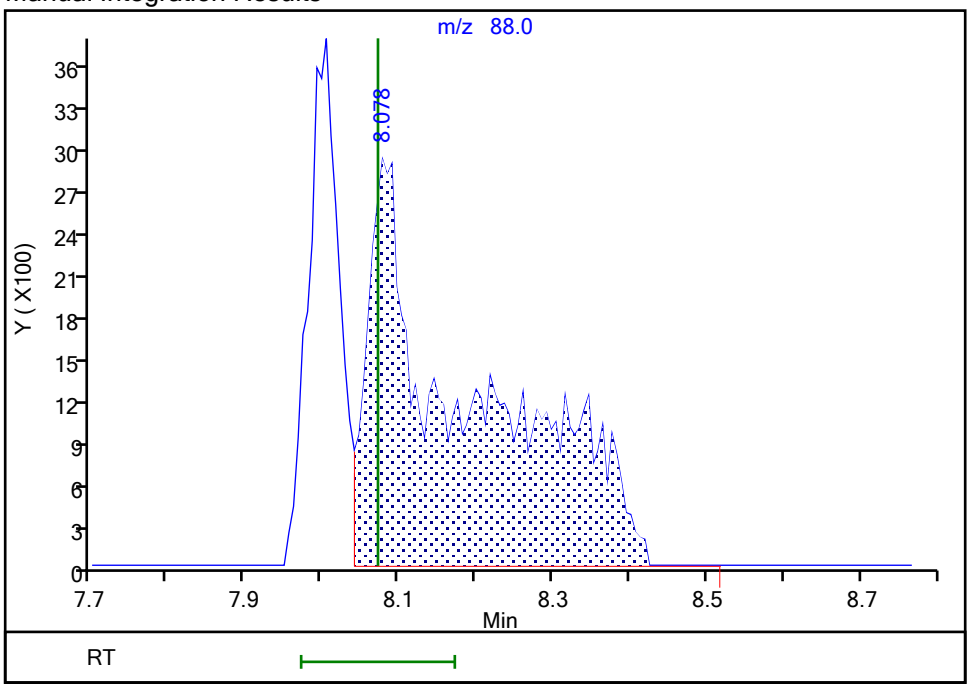
Processing Integration Results

RT: 8.00
Area: 20379
Amount: 73.714508
Amount Units: ug/l



Manual Integration Results

RT: 8.08
Area: 26267
Amount: 92.331167
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:50:24 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X16.D
Lims ID: IC std5 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Jun-2025 22:35:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-017
Misc. Info.: IC STD5 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:37 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:48:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.762	1.762	0.000	100	368860	5.00	4.90	
5 Chloromethane	50	1.951	1.945	0.006	100	424548	5.00	4.75	
7 Butadiene	39	2.024	2.025	-0.001	93	487013	5.00	4.74	
6 Vinyl chloride	62	2.049	2.043	0.006	99	382975	5.00	4.85	
9 Bromomethane	94	2.354	2.348	0.006	90	234731	5.00	4.65	
10 Chloroethane	64	2.378	2.372	0.006	100	218478	5.00	4.88	
11 Dichlorofluoromethane	67	2.634	2.634	0.000	96	631197	5.00	4.88	M
13 Pentane	43	2.646	2.646	0.000	97	450993	5.00	5.19	
12 Trichlorofluoromethane	101	2.683	2.677	0.006	100	491822	5.00	4.93	
14 Ethyl ether	59	2.829	2.823	0.006	93	242768	5.00	5.10	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.927	-0.006	93	337108	5.00	4.83	
17 Acrolein	56	2.975	2.970	0.005	99	1934430	244.0	273.6	M
18 1,1-Dichloroethene	96	3.097	3.098	-0.001	99	246219	5.00	5.00	
20 Acetone	43	3.122	3.116	0.006	84	461621	50.0	50.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.146	3.140	0.006	94	274210	5.00	5.36	
24 Isopropyl alcohol	45	3.262	3.250	0.012	38	168123	100.0	95.8	M
22 Iodomethane	142	3.262	3.262	0.000	100	522326	5.00	5.21	
23 Ethyl bromide	108	3.286	3.280	0.006	99	244467	4.99	5.18	
25 Carbon disulfide	76	3.347	3.347	0.000	99	930282	5.00	5.13	M
26 Methyl acetate	43	3.481	3.469	0.012	57	122126	5.00	4.91	M
29 3-Chloro-1-propene	41	3.500	3.500	0.000	88	486779	5.00	5.25	
* 31 t-Butyl alcohol-d10 (IS)	65	3.683	3.652	0.031	93	195044	50.0	50.0	
30 Methylene Chloride	84	3.664	3.658	0.006	92	311605	5.00	5.24	
32 2-Methyl-2-propanol	59	3.774	3.774	0.000	100	252888	100.0	87.3	
33 Acrylonitrile	53	3.963	3.957	0.006	98	161848	12.5	12.0	
34 Methyl tert-butyl ether	73	4.018	4.018	0.000	93	871880	5.00	5.18	
35 trans-1,2-Dichloroethene	96	4.018	4.018	0.000	99	317436	5.00	5.23	
36 Hexane	57	4.420	4.414	0.006	94	440670	5.00	5.33	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	582751	5.00	5.27	
39 Isopropyl ether	45	4.725	4.725	0.000	94	1077291	5.00	5.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.774	4.768	0.006	92	505348	5.00	5.18	
41 Tert-butyl ethyl ether	59	5.280	5.274	0.006	98	1061955	5.00	5.27	
42 2-Butanone (MEK)	43	5.481	5.475	0.006	100	917331	50.0	51.8	
43 cis-1,2-Dichloroethene	96	5.518	5.512	0.006	84	369626	5.00	5.28	
44 2,2-Dichloropropane	77	5.530	5.530	0.000	89	443343	5.00	5.11	
45 Propionitrile	54	5.579	5.573	0.006	99	532040	100.0	111.3	
47 Methacrylonitrile	67	5.792	5.798	-0.006	93	925357	50.0	53.9	
48 Chlorobromomethane	128	5.853	5.853	0.000	93	166229	5.00	5.32	
49 Tetrahydrofuran	71	5.853	5.853	0.000	83	134185	25.0	26.6	
50 Chloroform	83	6.011	6.012	-0.001	95	594283	5.00	5.29	
S 52 1,2-Dichloroethene, Total	100				0			10.5	
$ 54 Dibromofluoromethane (Surr)	113	6.237	6.231	0.006	93	545788	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.231	6.231	0.000	84	511035	5.00	5.20	
55 Cyclohexane	56	6.335	6.329	0.006	92	549662	5.00	5.26	
56 Carbon tetrachloride	117	6.444	6.444	0.000	98	446477	5.00	5.33	
57 1,1-Dichloropropene	75	6.456	6.457	-0.001	95	456100	5.00	5.17	
58 Isobutyl alcohol	41	6.652	6.652	0.000	92	309892	250.0	262.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.700	6.694	0.006	99	113081	10.0	10.0	
60 Benzene	78	6.725	6.725	0.000	97	1375923	5.00	5.23	
61 1,2-Dichloroethane	62	6.804	6.798	0.006	97	380971	5.00	5.29	M
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	955235	5.00	5.31	
* 65 Fluorobenzene (IS)	96	7.145	7.139	0.006	98	2313176	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	92	438591	5.00	5.38	
67 n-Butanol	56	7.572	7.566	0.006	90	541776	437.5	487.3	
68 Trichloroethene	95	7.633	7.633	0.000	99	365052	5.00	5.24	
69 Methylcyclohexane	83	7.944	7.938	0.006	92	599230	5.00	5.36	
70 1,2-Dichloropropane	63	7.974	7.975	-0.001	96	354789	5.00	5.27	
71 2-ethoxy-2-methyl butane	87	8.005	8.005	0.000	93	563060	5.00	5.34	
74 1,4-Dioxane	88	8.072	8.072	0.000	34	72553	250.0	264.3	M
73 Methyl methacrylate	69	8.084	8.084	0.000	91	185459	5.00	5.25	
72 Dibromomethane	93	8.084	8.084	0.000	91	177036	5.00	5.32	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	439442	5.00	5.36	
77 2-Nitropropane	41	8.621	8.621	0.000	99	295063	25.0	25.9	
78 1-Bromo-2-chloroethane	63	8.730	8.731	-0.001	99	350362	5.00	5.31	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	542722	5.00	5.37	
82 4-Methyl-2-pentanone (MIBK)	43	9.121	9.115	0.006	97	2453811	50.0	52.2	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2323180	10.0	10.0	
84 Toluene	92	9.334	9.328	0.006	98	898264	5.00	5.24	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	95	463719	5.00	5.35	
86 Ethyl methacrylate	69	9.706	9.706	0.000	89	412442	5.00	5.49	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	91	259067	5.00	5.27	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	413166	5.00	5.19	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	440551	5.00	5.29	
S 107 1,3-Dichloropropene, Total	100				0			10.7	
106 2-Hexanone	43	10.090	10.090	0.000	97	1807304	50.0	53.8	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	328142	5.00	5.47	
110 Ethylene Dibromide	107	10.352	10.352	0.000	99	257871	5.00	5.41	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.815	0.000	86	1764929	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	98	488277	5.00	5.08	
113 Chlorobenzene	112	10.840	10.840	0.000	95	1040176	5.00	5.30	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	96	364416	5.00	5.46	
115 Ethylbenzene	91	10.937	10.937	0.000	98	1807246	5.00	5.30	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	1425023	10.0	10.8	
S 117 Xylenes, Total	106				0			16.1	
118 o-Xylene	106	11.401	11.401	0.000	97	695086	5.00	5.32	
119 Styrene	104	11.419	11.419	0.000	94	1183154	5.00	5.45	
120 Bromoform	173	11.577	11.578	-0.001	97	196118	5.00	5.61	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	1611339	5.00	5.36	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	92	883630	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	93	331165	5.00	5.34	
125 Bromobenzene	156	11.980	11.980	0.000	97	458738	5.00	5.26	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	832051	50.0	56.0	
128 1,2,3-Trichloropropane	110	12.022	12.023	-0.001	82	90769	5.00	5.34	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	2148429	5.00	5.30	
130 2-Chlorotoluene	126	12.132	12.132	0.000	96	431288	5.00	5.18	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	93	1556329	5.00	5.31	
132 4-Chlorotoluene	126	12.230	12.230	0.000	97	451553	5.00	5.23	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	347754	5.00	5.17	
134 Pentachloroethane	167	12.480	12.474	0.006	93	273834	5.00	5.30	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	1601753	5.00	5.32	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	1986304	5.00	5.31	
137 1,3-Dichlorobenzene	146	12.711	12.712	-0.001	98	896416	5.00	5.36	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	1740754	5.00	5.32	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.772	0.000	94	982114	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.785	12.785	-0.001	95	910871	5.00	5.22	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	99	710123	5.00	5.22	
142 Benzyl chloride	126	12.870	12.870	0.000	99	121164	5.00	5.56	
145 p-Diethylbenzene	119	13.004	13.004	0.000	96	1058758	5.00	5.35	
143 n-Butylbenzene	92	13.028	13.029	0.000	97	838585	5.00	5.32	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	811448	5.00	5.32	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.608	0.000	86	47000	5.00	5.67	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	631233	5.00	5.39	
150 1,2,4-Trichlorobenzene	180	14.168	14.169	-0.001	94	487193	5.00	5.50	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	256357	5.00	5.18	
152 Naphthalene	128	14.351	14.345	0.006	97	826933	5.00	5.71	
153 1,2,3-Trichlorobenzene	180	14.491	14.492	-0.001	96	381517	5.00	5.56	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	288960	5.00	4.92	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

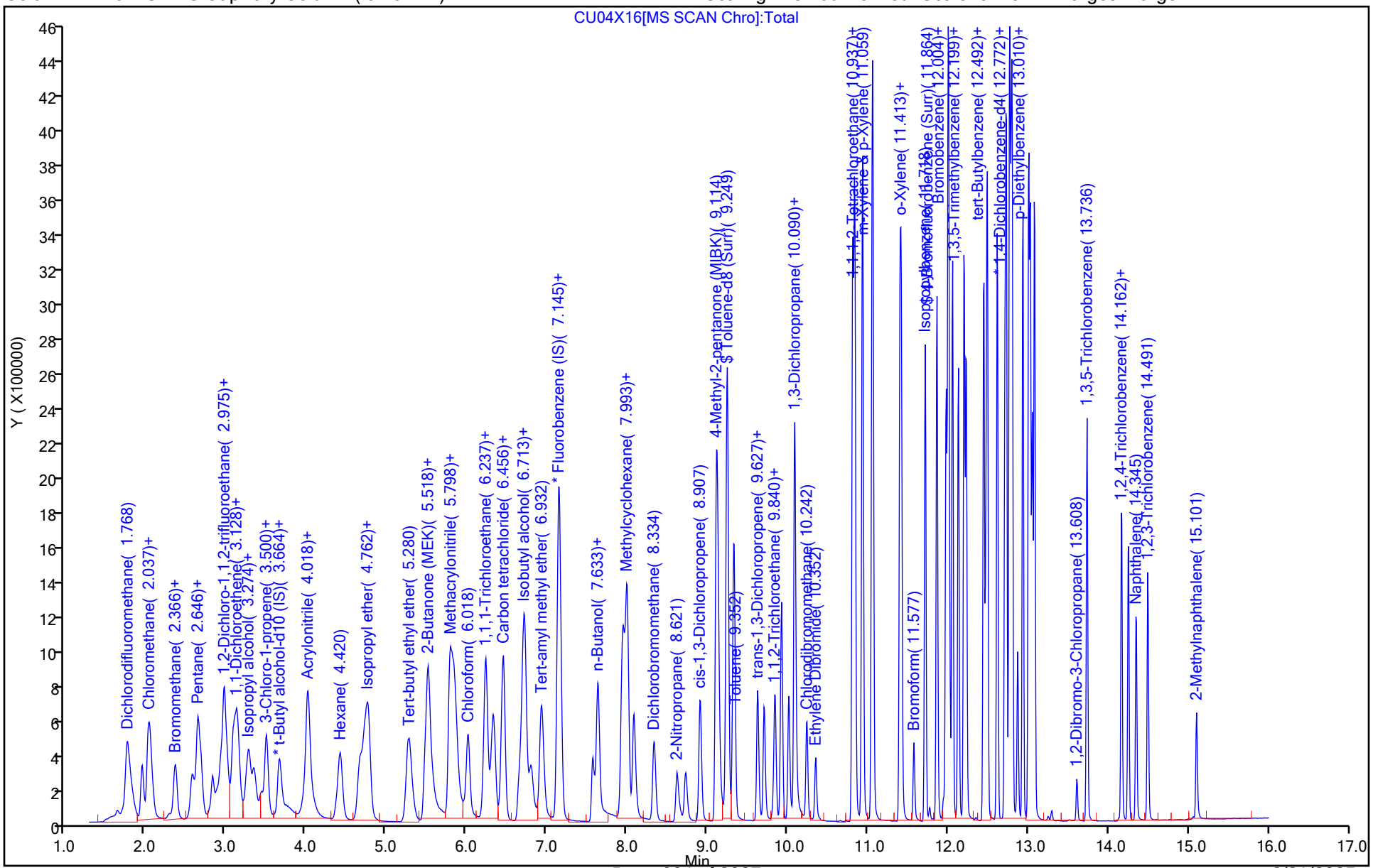
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MSV_LL_#2_826_00181	Amount Added:	5.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added:	5.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Jun-2025 09:18:38 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std5 5			Worklist Smp#:	17
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

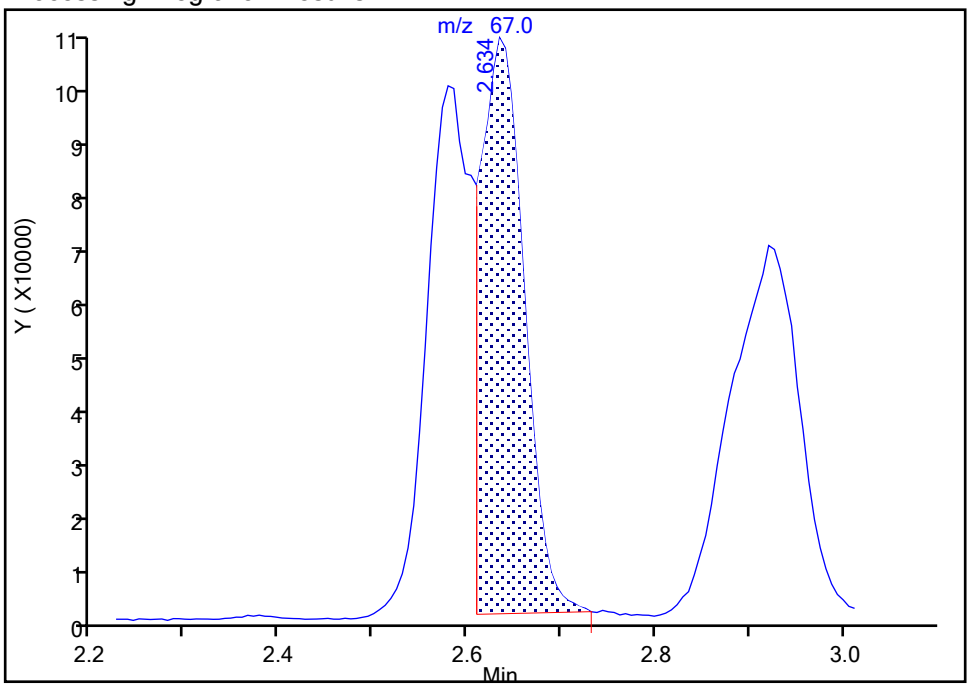
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Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

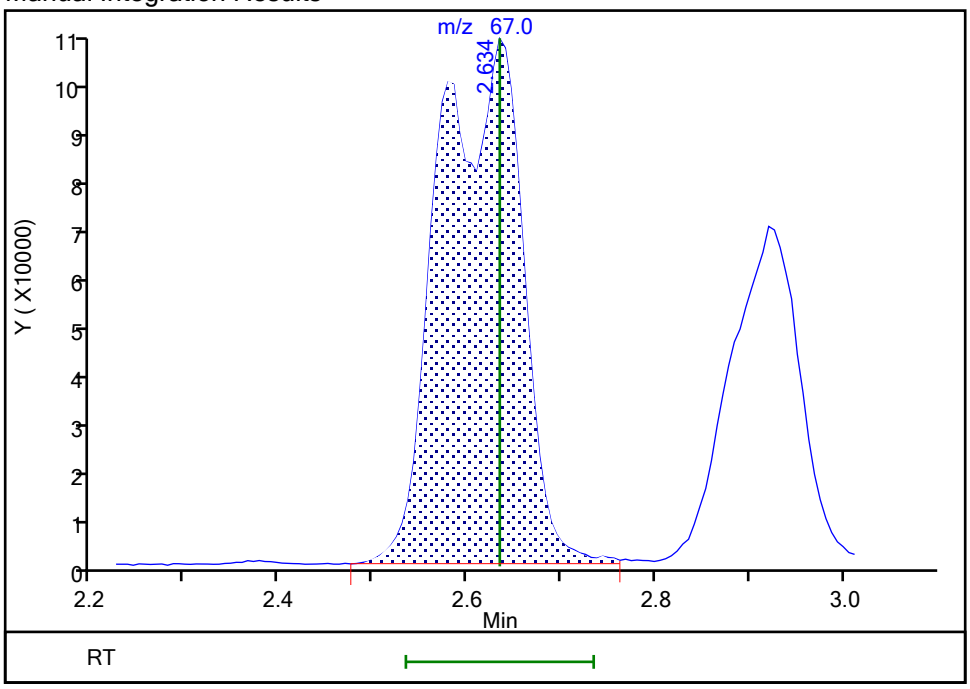
Processing Integration Results

RT: 2.63
Area: 328728
Amount: 3.704532
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 631197
Amount: 4.884863
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:46:56 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC

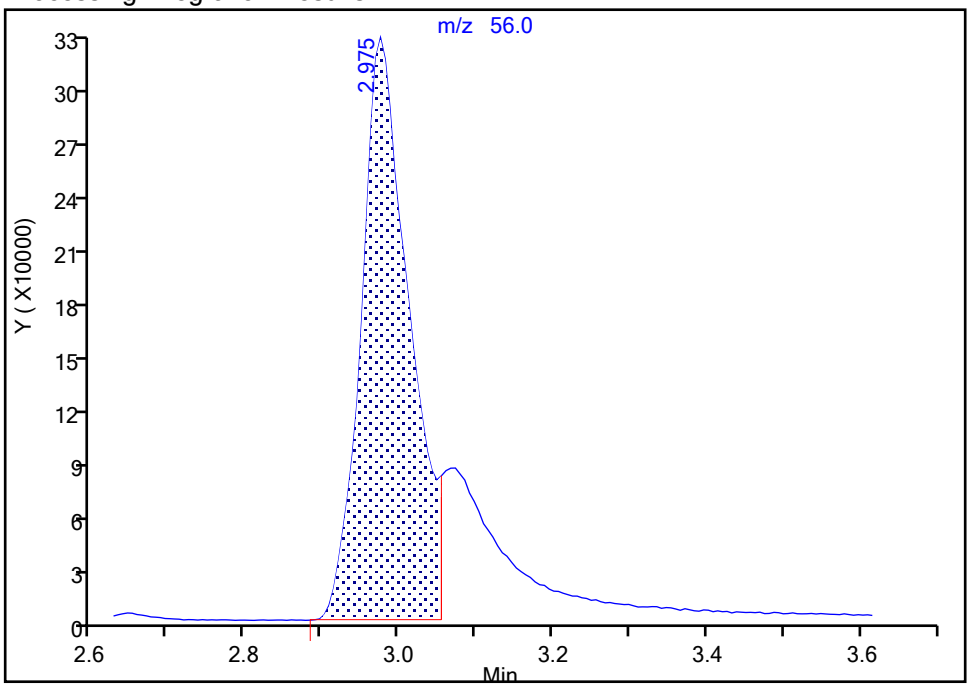
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Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Acrolein, CAS: 107-02-8

Signal: 1

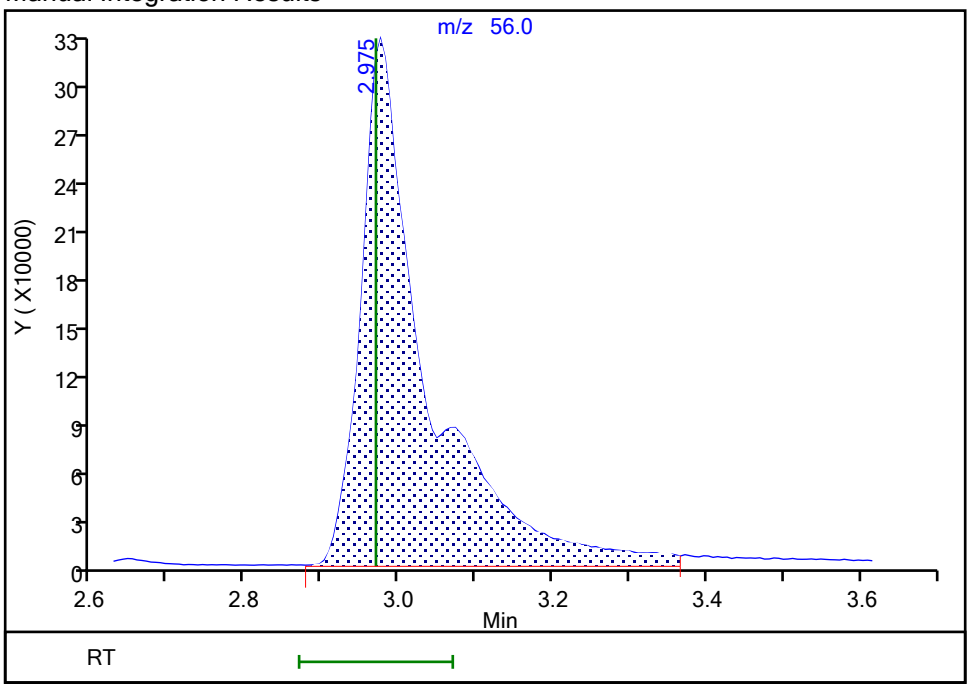
Processing Integration Results

RT: 2.98
Area: 1427678
Amount: 218.1653
Amount Units: ug/l



Manual Integration Results

RT: 2.98
Area: 1934430
Amount: 273.6438
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:47:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

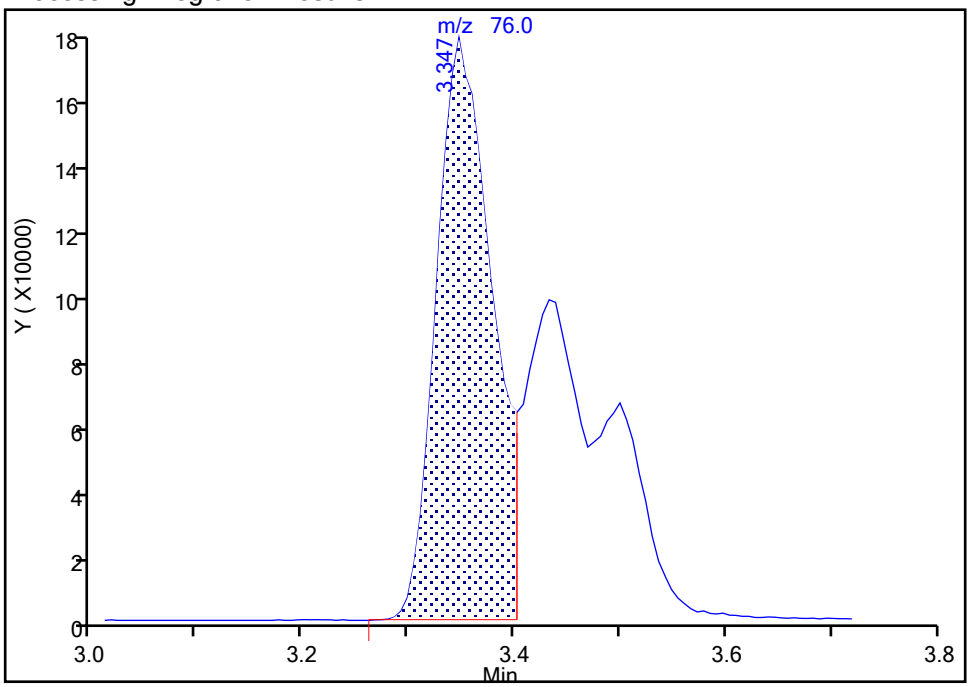
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Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

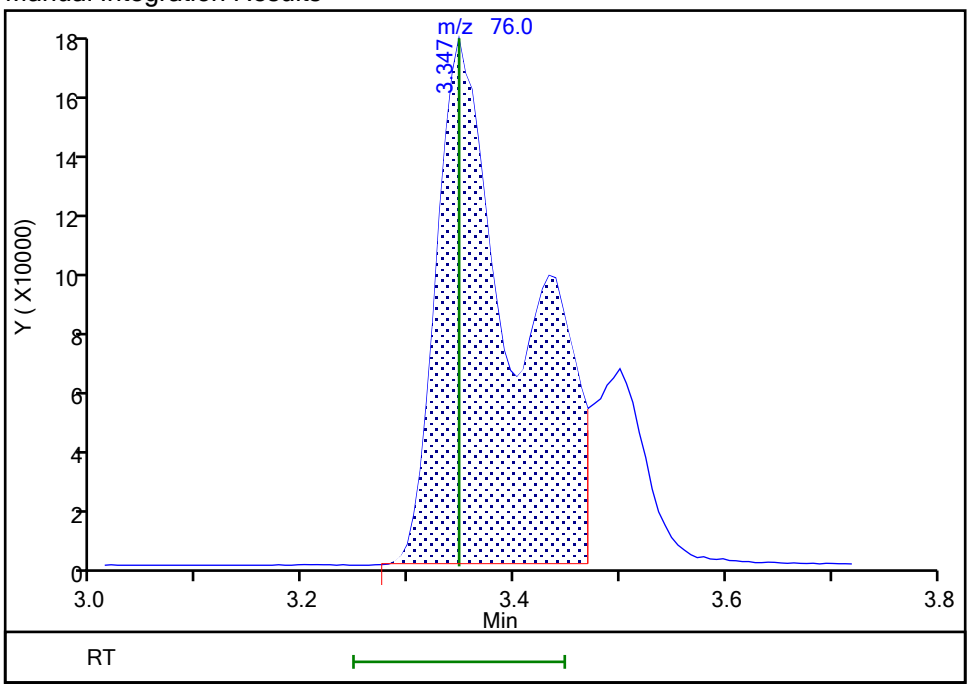
Processing Integration Results

RT: 3.35
Area: 631006
Amount: 4.585951
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 930282
Amount: 5.128496
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:47:24 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

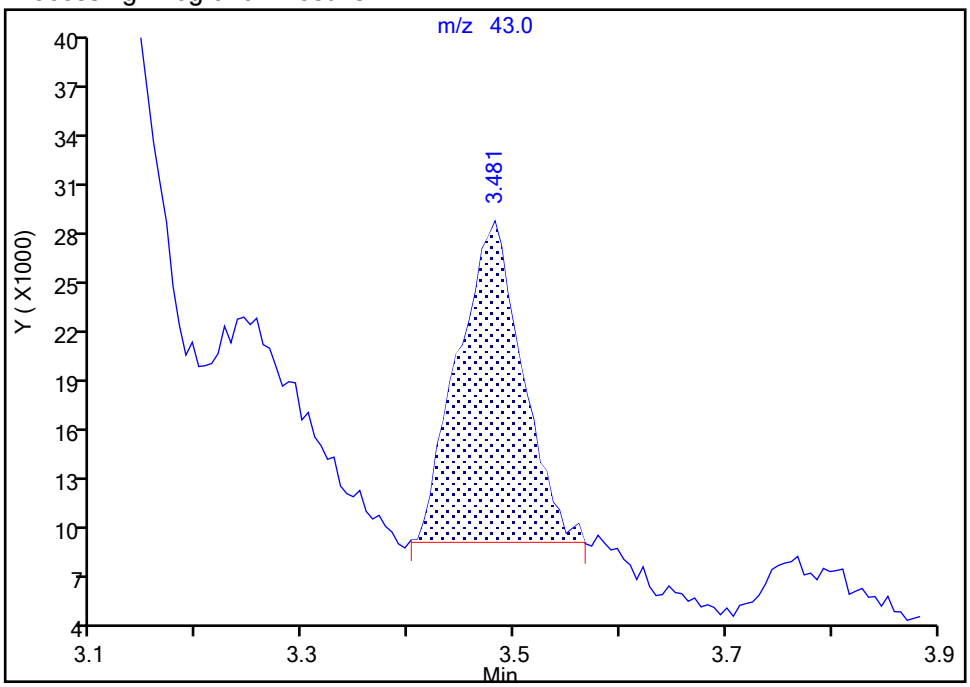
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Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

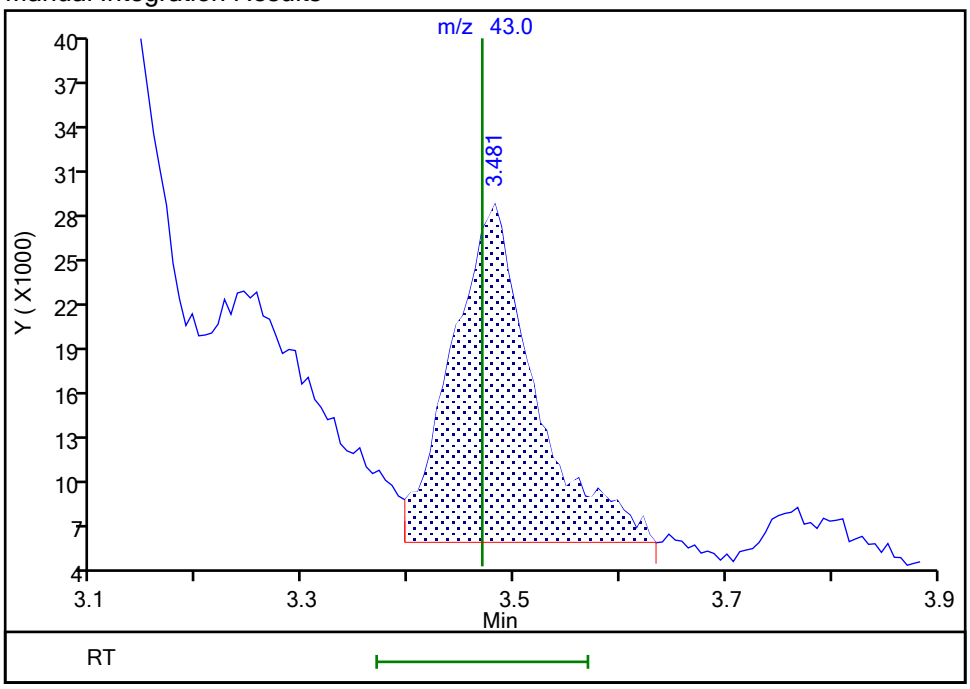
Processing Integration Results

RT: 3.48
Area: 81867
Amount: 3.904442
Amount Units: ug/l



Manual Integration Results

RT: 3.48
Area: 122126
Amount: 4.914816
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:47:38 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

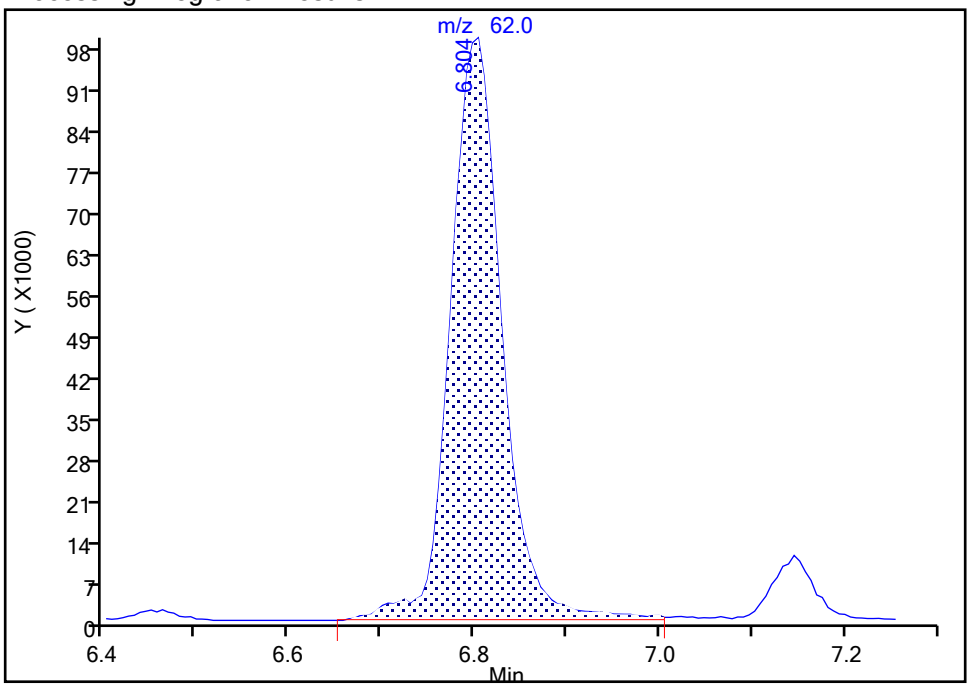
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Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

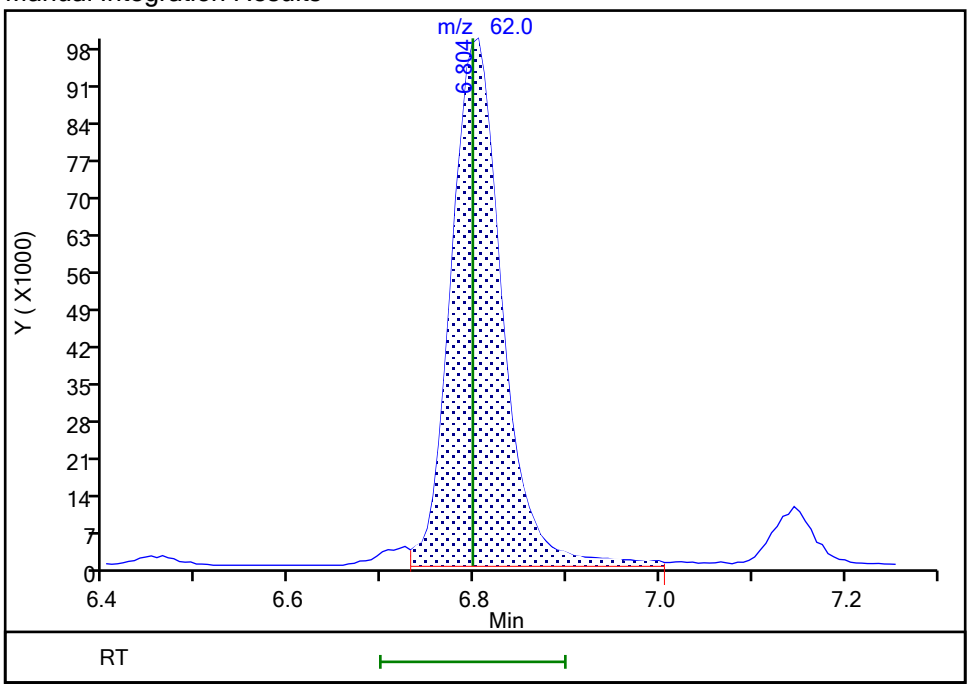
Processing Integration Results

RT: 6.80
Area: 388314
Amount: 5.316443
Amount Units: ug/l



Manual Integration Results

RT: 6.80
Area: 380971
Amount: 5.294811
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:23:02 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

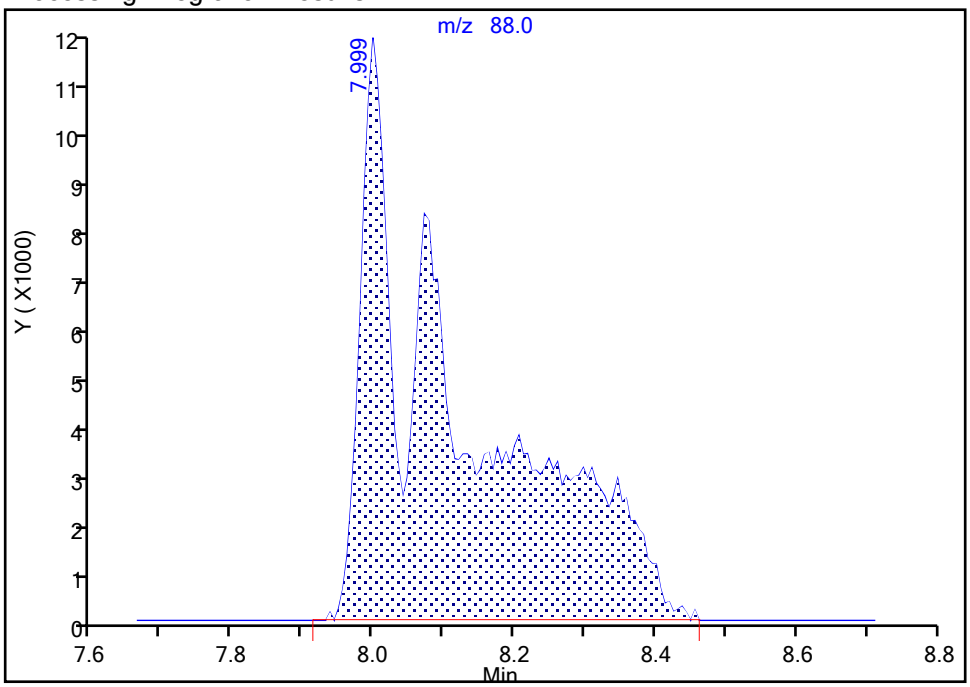
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Injection Date:	04-Jun-2025 22:35:30	Instrument ID:	10193		
Lims ID:	IC std5 5				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

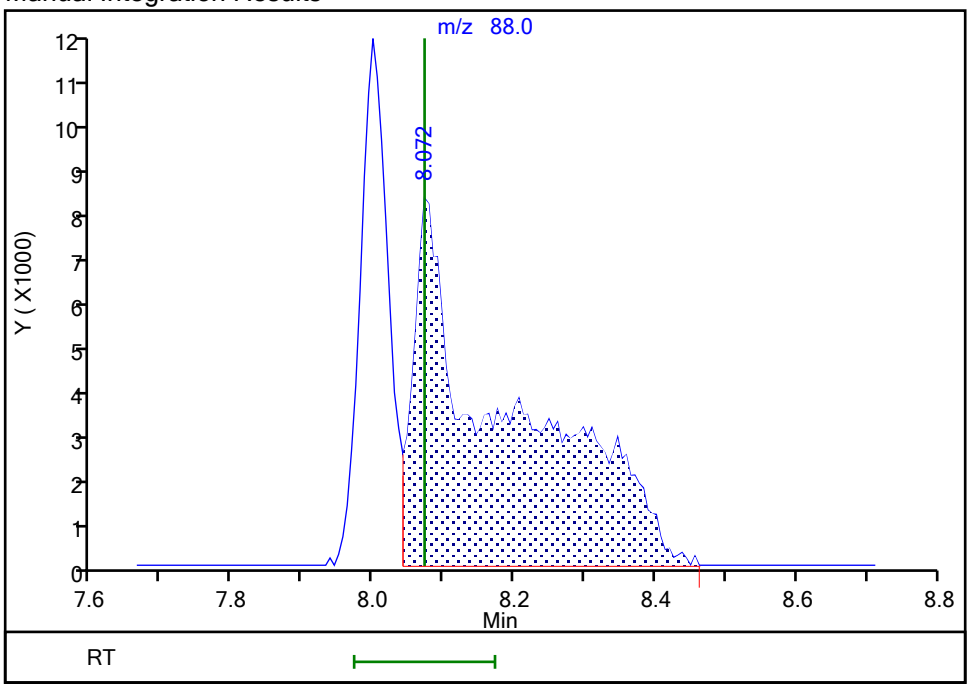
Processing Integration Results

RT: 8.00
Area: 103490
Amount: 363.8887
Amount Units: ug/l



Manual Integration Results

RT: 8.07
Area: 72553
Amount: 264.3410
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:48:01 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D
Lims ID: ICIS 10
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 04-Jun-2025 22:57:30 ALS Bottle#: 17 Worklist Smp#: 18
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-018
Misc. Info.: IC STD10 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:18:42 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: UKEK Date: 06-Jun-2025 09:16:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.762	1.762	0.000	100	711315	10.0	9.27	
5 Chloromethane	50	1.945	1.945	0.000	100	829326	10.0	9.11	
7 Butadiene	39	2.025	2.025	0.000	91	867379	10.0	8.28	M
6 Vinyl chloride	62	2.043	2.043	0.000	99	755121	10.0	9.39	
9 Bromomethane	94	2.348	2.348	0.000	92	481890	10.0	9.37	
10 Chloroethane	64	2.372	2.372	0.000	100	428938	10.0	9.41	
11 Dichlorofluoromethane	67	2.634	2.634	0.000	98	1243761	10.0	9.45	M
13 Pentane	43	2.646	2.646	0.000	97	834535	10.0	9.43	
12 Trichlorofluoromethane	101	2.677	2.677	0.000	99	940667	10.0	9.25	
14 Ethyl ether	59	2.823	2.823	0.000	93	491609	10.0	10.1	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.927	2.927	0.000	93	675780	10.0	9.50	
17 Acrolein	56	2.970	2.970	0.000	99	2884485	487.9	406.7	
18 1,1-Dichloroethene	96	3.098	3.098	0.000	99	483327	10.0	9.64	
20 Acetone	43	3.116	3.116	0.000	99	889005	100.0	96.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.140	3.140	0.000	95	503735	10.0	9.67	
24 Isopropyl alcohol	45	3.250	3.250	0.000	36	331921	200.0	188.6	M
22 Iodomethane	142	3.262	3.262	0.000	99	1037853	10.0	10.2	
23 Ethyl bromide	108	3.280	3.280	0.000	99	488634	9.99	10.2	
25 Carbon disulfide	76	3.347	3.347	0.000	99	1831634	10.0	9.91	M
26 Methyl acetate	43	3.469	3.469	0.000	81	222342	10.0	8.92	M
29 3-Chloro-1-propene	41	3.500	3.500	0.000	90	969689	10.0	10.3	
* 31 t-Butyl alcohol-d10 (IS)	65	3.671	3.671	0.000	93	195687	50.0	50.0	
30 Methylene Chloride	84	3.658	3.658	0.000	92	621763	10.0	10.3	
32 2-Methyl-2-propanol	59	3.774	3.774	0.000	100	526705	200.0	181.2	
33 Acrylonitrile	53	3.957	3.957	0.000	98	323997	25.0	23.9	
34 Methyl tert-butyl ether	73	4.018	4.018	0.000	95	1732814	10.0	10.1	
35 trans-1,2-Dichloroethene	96	4.018	4.018	0.000	99	629272	10.0	10.2	
36 Hexane	57	4.414	4.414	0.000	93	815383	10.0	9.68	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	97	1143325	10.0	10.1	
39 Isopropyl ether	45	4.725	4.725	0.000	94	2133631	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.768	4.768	0.000	92	1005337	10.0	10.1	
41 Tert-butyl ethyl ether	59	5.274	5.274	0.000	98	2111946	10.0	10.3	
42 2-Butanone (MEK)	43	5.475	5.475	0.000	100	1820498	100.0	102.5	
43 cis-1,2-Dichloroethene	96	5.512	5.512	0.000	84	728703	10.0	10.2	
44 2,2-Dichloropropane	77	5.530	5.530	0.000	89	864914	10.0	9.78	
45 Propionitrile	54	5.573	5.573	0.000	99	1035564	200.0	216.0	
47 Methacrylonitrile	67	5.798	5.798	0.000	92	1818764	100.0	105.7	
48 Chlorobromomethane	128	5.853	5.853	0.000	94	323186	10.0	10.2	
49 Tetrahydrofuran	71	5.853	5.853	0.000	74	262439	50.0	51.9	
50 Chloroform	83	6.012	6.012	0.000	95	1169649	10.0	10.2	
$ 54 Dibromofluoromethane (Surr)	113	6.231	6.231	0.000	94	559311	10.0	10.1	
53 1,1,1-Trichloroethane	97	6.231	6.231	0.000	98	1008421	10.0	10.1	
55 Cyclohexane	56	6.329	6.329	0.000	92	1047509	10.0	9.84	
56 Carbon tetrachloride	117	6.444	6.444	0.000	98	873731	10.0	10.2	
57 1,1-Dichloropropene	75	6.457	6.457	0.000	96	900783	10.0	10.0	
58 Isobutyl alcohol	41	6.652	6.652	0.000	94	598754	500.0	505.4	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	96	113375	10.0	9.88	
60 Benzene	78	6.725	6.725	0.000	97	2772615	10.0	10.3	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	98	737050	10.0	10.1	
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	1895057	10.0	10.3	
* 65 Fluorobenzene (IS)	96	7.146	7.146	0.000	99	2356745	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	91	815564	10.0	9.83	
67 n-Butanol	56	7.566	7.566	0.000	89	1064292	875.0	954.1	
68 Trichloroethene	95	7.633	7.633	0.000	99	719194	10.0	10.1	
69 Methylcyclohexane	83	7.938	7.938	0.000	91	1126284	10.0	9.88	
70 1,2-Dichloropropane	63	7.975	7.975	0.000	96	701824	10.0	10.2	
71 2-ethoxy-2-methyl butane	87	8.005	8.005	0.000	93	1122374	10.0	10.4	
74 1,4-Dioxane	88	8.072	8.072	0.000	33	133857	500.0	486.1	M
73 Methyl methacrylate	69	8.084	8.084	0.000	90	356016	10.0	10.0	
72 Dibromomethane	93	8.084	8.084	0.000	90	350295	10.0	10.3	
76 Dichlorobromomethane	83	8.334	8.334	0.000	100	872507	10.0	10.4	
77 2-Nitropropane	41	8.621	8.621	0.000	99	585376	50.0	51.1	
78 1-Bromo-2-chloroethane	63	8.731	8.731	0.000	99	710679	10.0	10.6	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	1083083	10.0	10.5	
82 4-Methyl-2-pentanone (MIBK)	43	9.115	9.115	0.000	97	5021327	100.0	106.5	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2339352	10.0	9.98	
84 Toluene	92	9.328	9.328	0.000	98	1766699	10.0	10.2	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	94	936248	10.0	10.7	
86 Ethyl methacrylate	69	9.706	9.706	0.000	89	824386	10.0	10.9	
87 1,1,2-Trichloroethane	97	9.846	9.846	0.000	91	505817	10.0	10.2	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	800949	10.0	9.95	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	871446	10.0	10.3	
106 2-Hexanone	43	10.090	10.090	0.000	96	3583142	100.0	106.3	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	654881	10.0	10.8	
110 Ethylene Dibromide	107	10.352	10.352	0.000	99	508777	10.0	10.6	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.816	0.000	86	1784969	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	97	938849	10.0	9.65	
113 Chlorobenzene	112	10.840	10.840	0.000	95	2035693	10.0	10.3	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	96	714022	10.0	10.6	
115 Ethylbenzene	91	10.937	10.937	0.000	98	3573708	10.0	10.4	
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	96	2785164	20.0	20.8	
118 o-Xylene	106	11.401	11.401	0.000	97	1373841	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.419	11.419	0.000	95	2333644	10.0	10.6	
120 Bromoform	173	11.578	11.578	0.000	97	393310	10.0	11.1	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	3160521	10.0	10.4	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	92	892633	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	91	658027	10.0	10.4	
125 Bromobenzene	156	11.980	11.980	0.000	95	897841	10.0	10.1	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	1730386	100.0	114.6	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	82	177391	10.0	10.3	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	4231523	10.0	10.3	
130 2-Chlorotoluene	126	12.132	12.132	0.000	97	854229	10.0	10.1	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	94	3063306	10.0	10.3	
132 4-Chlorotoluene	126	12.230	12.230	0.000	97	891868	10.0	10.2	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	685518	10.0	10.0	
134 Pentachloroethane	167	12.474	12.474	0.000	93	573273	10.0	10.9	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	97	3198872	10.0	10.5	
136 sec-Butylbenzene	105	12.614	12.614	0.000	95	3895567	10.0	10.2	
137 1,3-Dichlorobenzene	146	12.712	12.712	0.000	98	1754616	10.0	10.3	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	3396561	10.0	10.2	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.766	0.000	95	997762	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.785	12.785	0.000	95	1796973	10.0	10.1	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	99	1413730	10.0	10.2	
142 Benzyl chloride	126	12.870	12.870	0.000	99	242134	10.0	10.9	
145 p-Diethylbenzene	119	13.004	13.004	0.000	93	2096466	10.0	10.4	
143 n-Butylbenzene	92	13.029	13.029	0.000	97	1655944	10.0	10.3	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	1622585	10.0	10.5	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.608	0.000	86	94571	10.0	11.2	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	1270413	10.0	10.7	
150 1,2,4-Trichlorobenzene	180	14.169	14.169	0.000	94	1008958	10.0	11.2	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	500714	10.0	9.96	
152 Naphthalene	128	14.345	14.345	0.000	97	1726665	10.0	11.7	
153 1,2,3-Trichlorobenzene	180	14.492	14.492	0.000	96	785866	10.0	11.3	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	657120	10.0	10.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

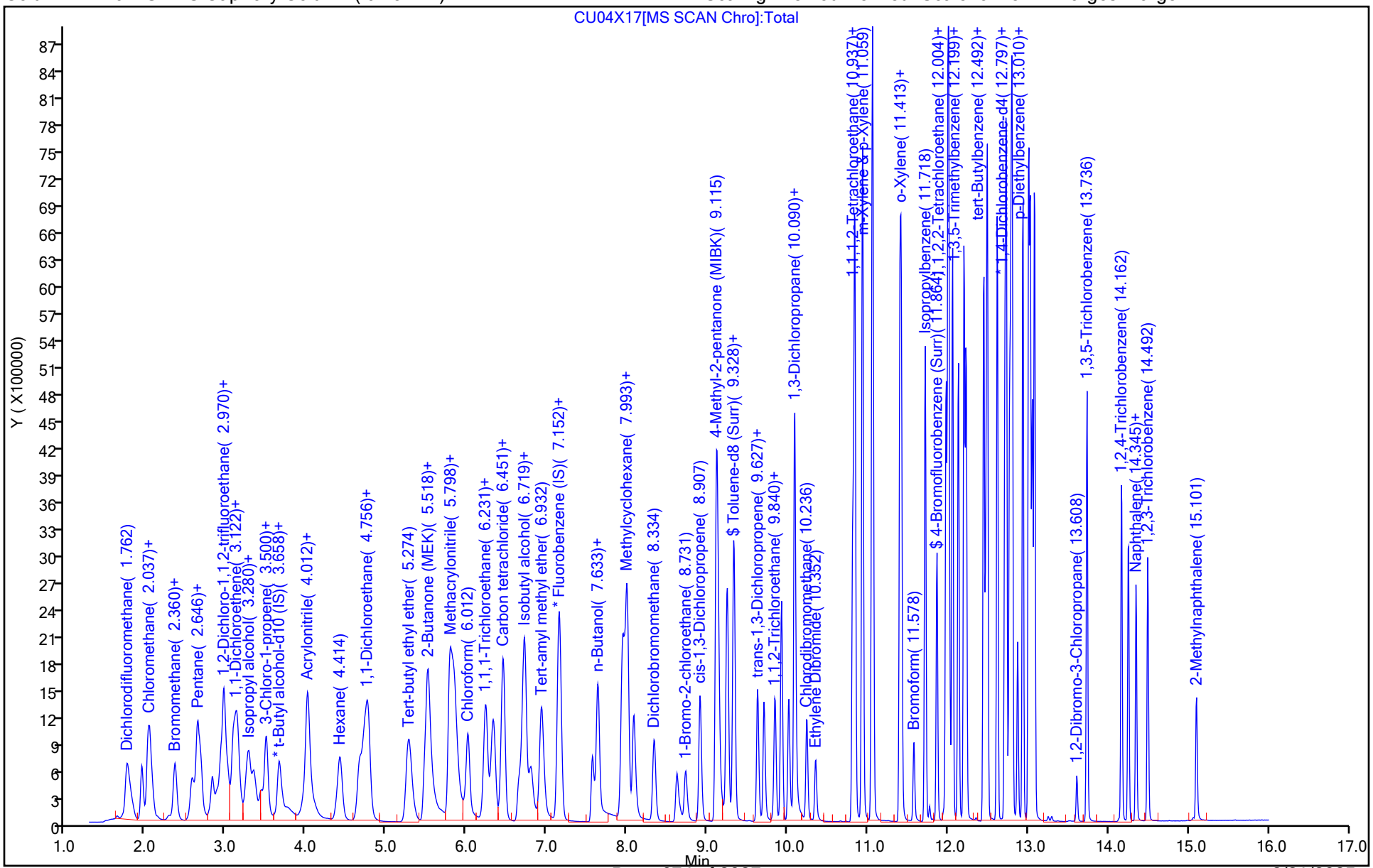
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MSV_LL_#2_826_00181	Amount Added: 10.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added: 10.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Jun-2025 09:18:43 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X17.D				
Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	ICIS 10			Worklist Smp#:	18
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

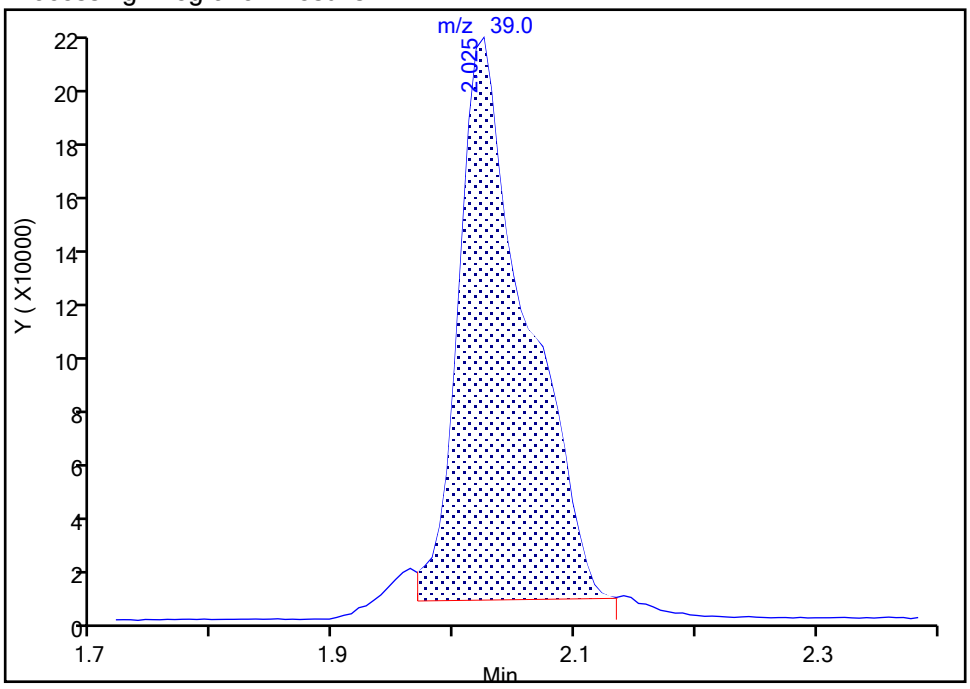
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Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Signal: 1

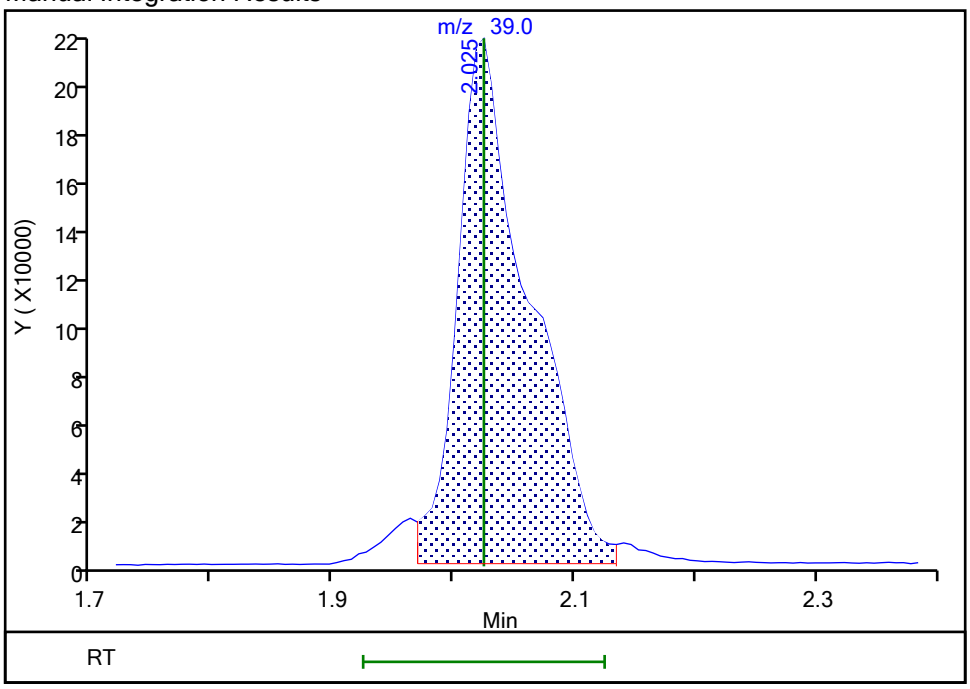
Processing Integration Results

RT: 2.02
Area: 795144
Amount: 9.004439
Amount Units: ug/l



Manual Integration Results

RT: 2.02
Area: 867379
Amount: 8.278755
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:37:32 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

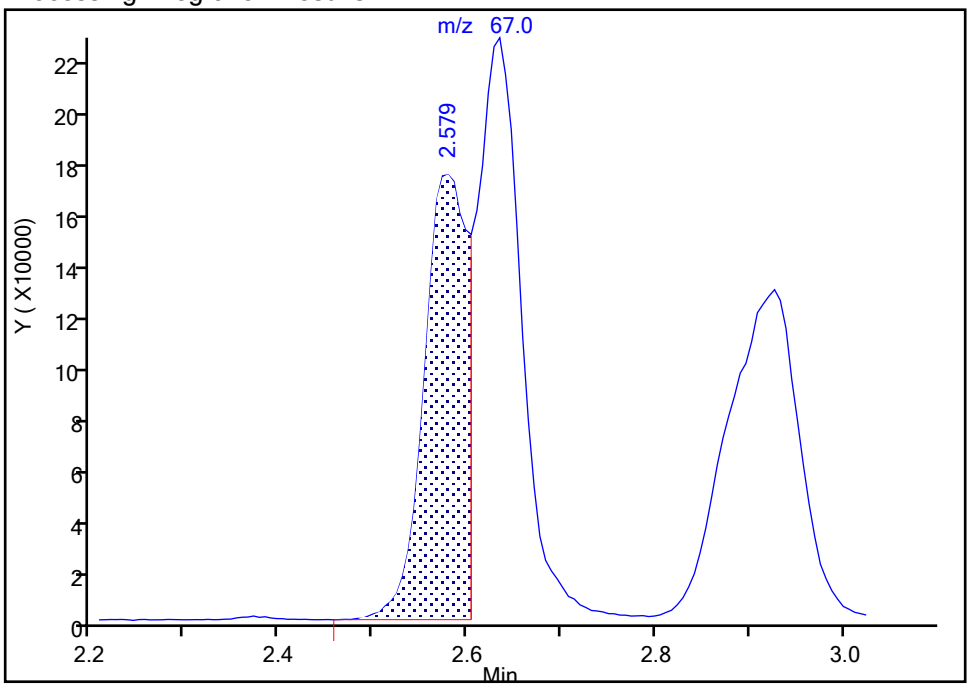
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Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

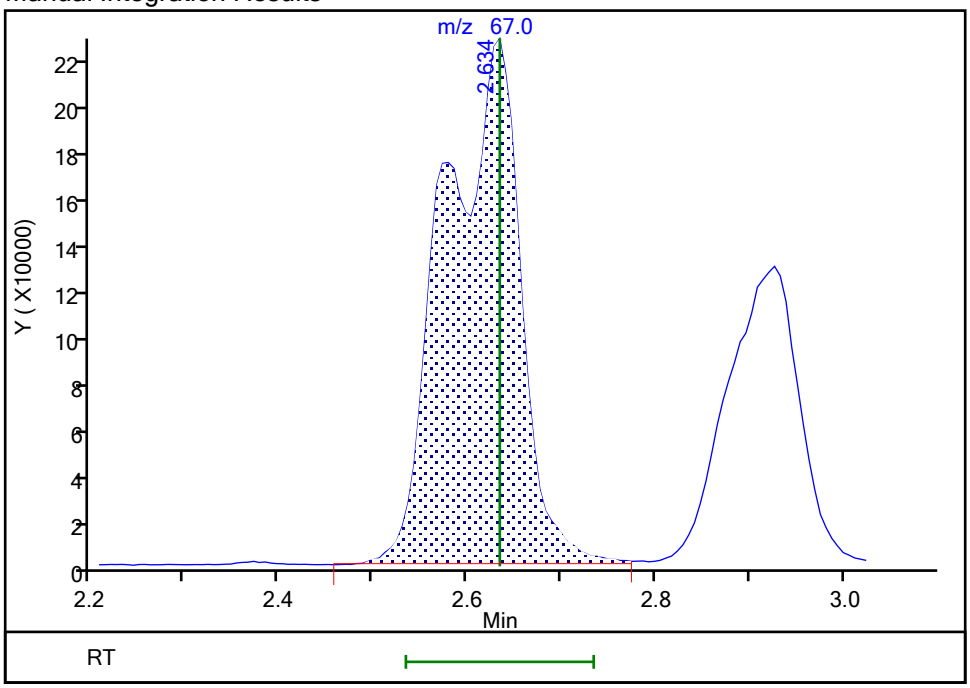
Processing Integration Results

RT: 2.58
Area: 555396
Amount: 9.568384
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 1243761
Amount: 9.447578
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:37:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

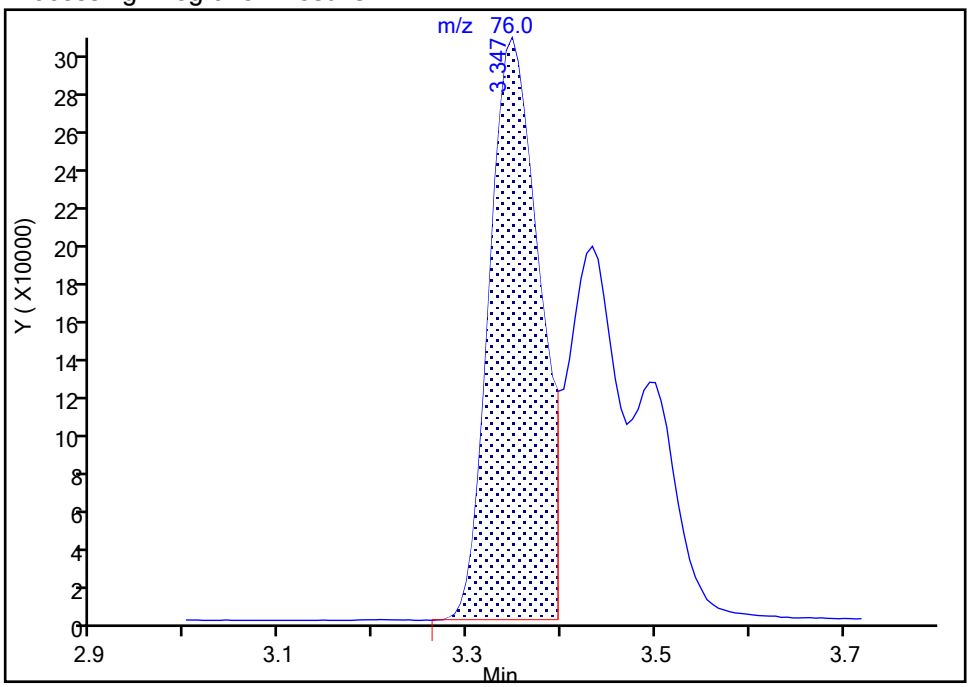
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Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

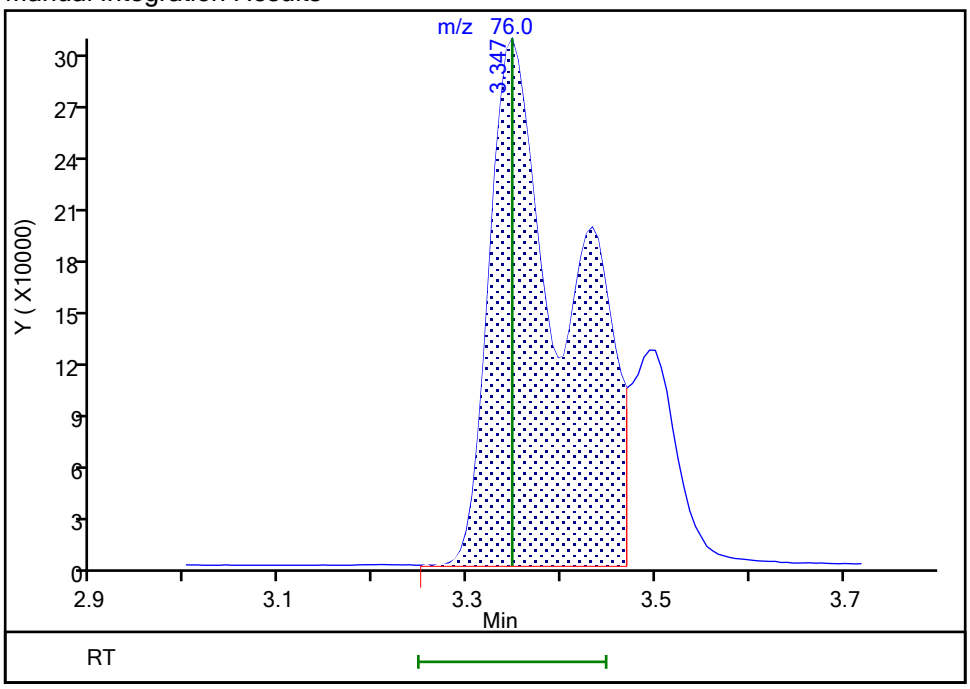
Processing Integration Results

RT: 3.35
Area: 1155340
Amount: 9.718425
Amount Units: ug/l



Manual Integration Results

RT: 3.35
Area: 1831634
Amount: 9.910833
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:09:54 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

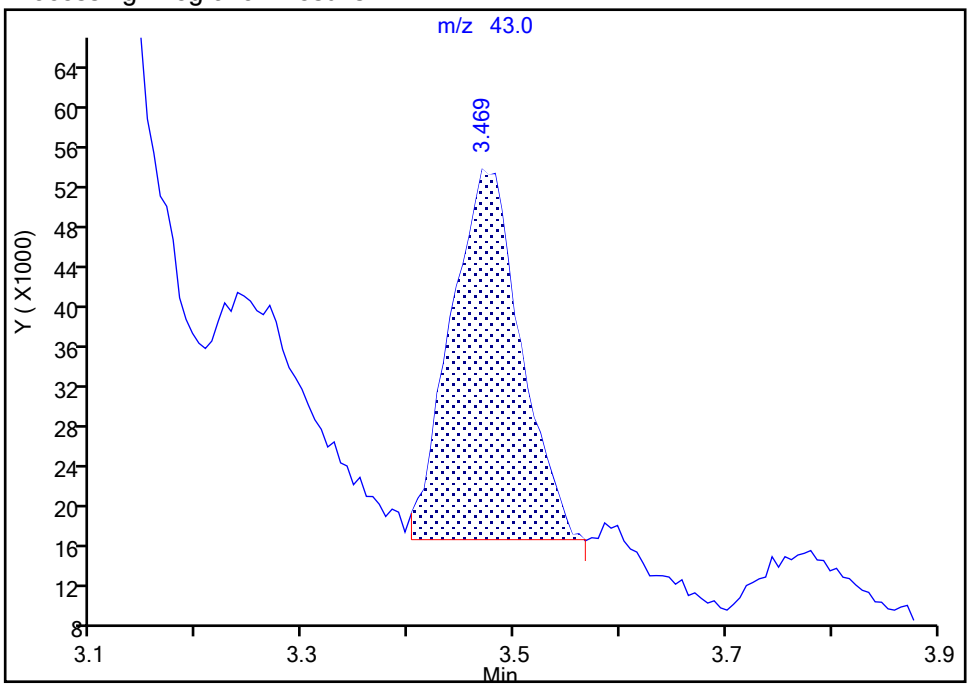
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Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

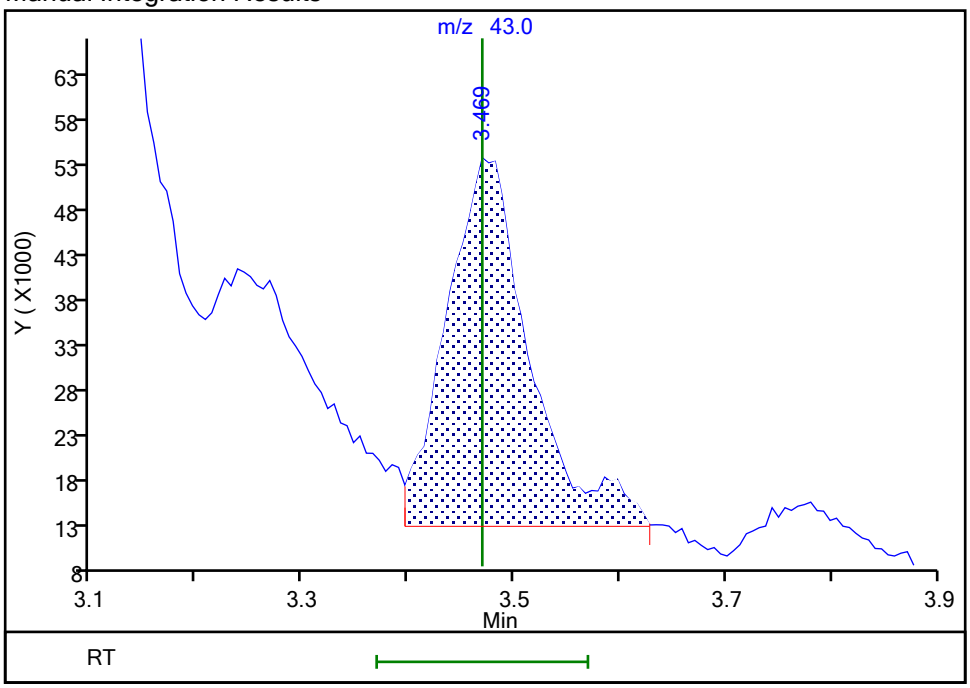
Processing Integration Results

RT: 3.47
Area: 172474
Amount: 7.303074
Amount Units: ug/l



Manual Integration Results

RT: 3.47
Area: 222342
Amount: 8.918488
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:39:48 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

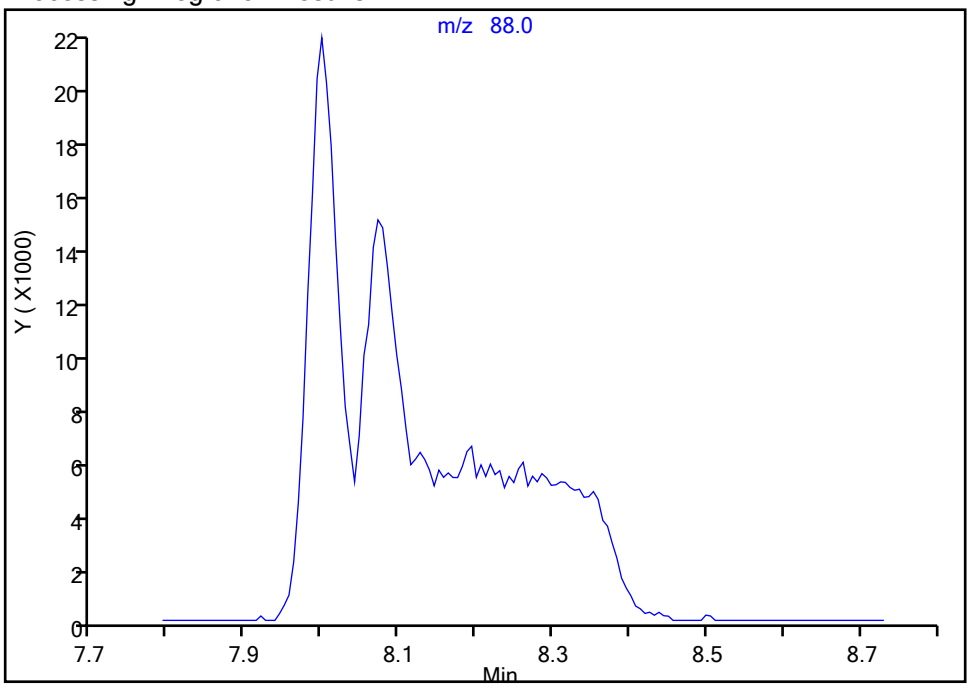
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Injection Date:	04-Jun-2025 22:57:30	Instrument ID:	10193		
Lims ID:	ICIS 10				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

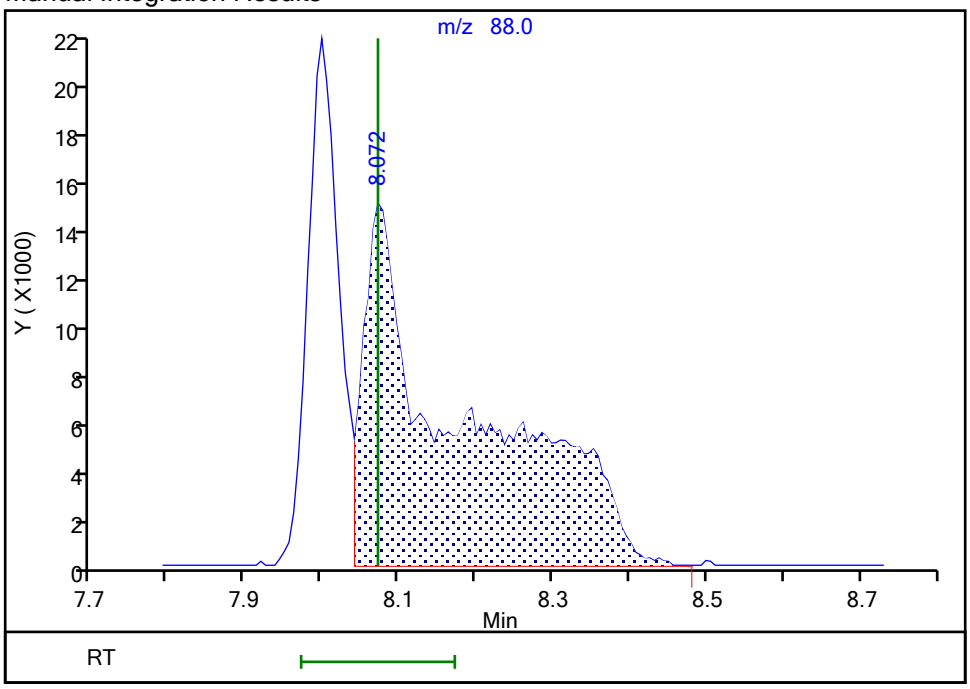
Not Detected
Expected RT: 8.07

Processing Integration Results



Manual Integration Results

RT: 8.07
Area: 133857
Amount: 486.0946
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:42:37 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D
Lims ID: IC std7 25
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Jun-2025 23:20:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-019
Misc. Info.: IC STD25 LG
Operator ID: knk41612 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:19:08 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: UKEK Date: 06-Jun-2025 08:28:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.750	1.762	-0.012	100	1910119	25.0	24.6	
5 Chloromethane	50	1.939	1.945	-0.006	100	2125456	25.0	23.1	
7 Butadiene	39	2.018	2.025	-0.007	93	2348344	25.0	22.2	
6 Vinyl chloride	62	2.037	2.043	-0.006	99	1999388	25.0	24.6	
9 Bromomethane	94	2.342	2.348	-0.006	91	1264486	25.0	24.3	
10 Chloroethane	64	2.366	2.372	-0.006	100	1082708	25.0	23.5	
11 Dichlorofluoromethane	67	2.628	2.634	-0.006	99	3236174	25.0	24.3	M
13 Pentane	43	2.634	2.646	-0.012	96	2228415	25.0	24.9	
12 Trichlorofluoromethane	101	2.671	2.677	-0.006	99	2509183	25.0	24.4	M
14 Ethyl ether	59	2.817	2.823	-0.006	93	1255788	25.0	25.6	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.927	-0.006	94	1768142	25.0	24.6	
17 Acrolein	56	2.963	2.970	-0.007	99	7658408	1219.8	1111.2	
18 1,1-Dichloroethene	96	3.085	3.098	-0.013	99	1204919	25.0	23.7	
20 Acetone	43	3.110	3.116	-0.006	99	2140201	250.0	237.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.134	3.140	-0.006	94	1330135	25.0	25.2	
24 Isopropyl alcohol	45	3.256	3.250	0.006	40	817781	500.0	478.1	M
22 Iodomethane	142	3.256	3.262	-0.006	99	2529869	25.0	24.5	
23 Ethyl bromide	108	3.274	3.280	-0.006	98	1226687	25.0	25.2	
25 Carbon disulfide	76	3.335	3.347	-0.012	100	4892051	25.0	26.2	M
26 Methyl acetate	43	3.463	3.469	-0.006	98	599138	25.0	24.7	M
29 3-Chloro-1-propene	41	3.488	3.500	-0.012	91	2470462	25.0	25.9	a
30 Methylene Chloride	84	3.652	3.658	-0.006	92	1502742	25.0	24.5	
* 31 t-Butyl alcohol-d10 (IS)	65	3.677	3.671	0.006	39	190156	50.0	50.0	
32 2-Methyl-2-propanol	59	3.768	3.774	-0.006	100	1435907	500.0	508.3	
33 Acrylonitrile	53	3.951	3.957	-0.006	99	781903	62.5	59.3	
34 Methyl tert-butyl ether	73	4.012	4.018	-0.006	95	4332630	25.0	25.0	
35 trans-1,2-Dichloroethene	96	4.006	4.018	-0.012	99	1563294	25.0	25.0	
36 Hexane	57	4.408	4.414	-0.006	94	2225357	25.0	26.1	
37 1,1-Dichloroethane	63	4.646	4.658	-0.012	97	2897243	25.0	25.4	
39 Isopropyl ether	45	4.719	4.725	-0.006	94	5349070	25.0	25.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.762	4.768	-0.006	92	2585459	25.0	25.7	
41 Tert-butyl ethyl ether	59	5.274	5.274	0.000	98	5309585	25.0	25.6	
42 2-Butanone (MEK)	43	5.475	5.475	0.000	100	4479096	250.0	259.4	
43 cis-1,2-Dichloroethene	96	5.506	5.512	-0.006	84	1806840	25.0	25.1	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	88	2164076	25.0	24.2	
45 Propionitrile	54	5.567	5.573	-0.006	98	2533586	500.0	543.8	
47 Methacrylonitrile	67	5.798	5.798	0.000	92	3870205	250.0	231.4	
48 Chlorobromomethane	128	5.847	5.853	-0.006	97	771616	25.0	24.0	
49 Tetrahydrofuran	71	5.853	5.853	0.000	88	528121	125.0	107.6	
50 Chloroform	83	6.005	6.012	-0.007	95	2899179	25.0	25.1	
S 52 1,2-Dichloroethene, Total	100				0			50.0	
$ 54 Dibromofluoromethane (Surr)	113	6.231	6.231	0.000	95	549208	10.0	9.76	
53 1,1,1-Trichloroethane	97	6.231	6.231	0.000	98	2574084	25.0	25.4	
55 Cyclohexane	56	6.329	6.329	0.000	92	2787364	25.0	25.9	
56 Carbon tetrachloride	117	6.444	6.444	0.000	97	2268674	25.0	26.3	
57 1,1-Dichloropropene	75	6.450	6.457	-0.007	95	2321034	25.0	25.5	
58 Isobutyl alcohol	41	6.646	6.652	-0.006	93	1472738	1250.0	1279.3	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	99	107416	10.0	9.25	
60 Benzene	78	6.719	6.725	-0.006	96	7005346	25.0	25.8	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	98	1768362	25.0	23.9	M
64 Tert-amyl methyl ether	73	6.932	6.932	0.000	98	4721921	25.0	25.5	
* 65 Fluorobenzene (IS)	96	7.139	7.146	-0.007	99	2383670	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	92	2227963	25.0	26.5	
67 n-Butanol	56	7.560	7.566	-0.006	89	2647108	2187.5	2442.1	
68 Trichloroethene	95	7.633	7.633	0.000	99	1822983	25.0	25.4	
69 Methylcyclohexane	83	7.938	7.938	0.000	92	3004540	25.0	26.1	
70 1,2-Dichloropropane	63	7.968	7.975	-0.007	97	1793224	25.0	25.8	
71 2-ethoxy-2-methyl butane	87	7.999	8.005	-0.006	92	2848740	25.0	26.2	
74 1,4-Dioxane	88	8.072	8.072	0.000	86	324106	1250.0	1211.2	M
73 Methyl methacrylate	69	8.078	8.084	-0.006	90	945817	25.0	27.5	
72 Dibromomethane	93	8.084	8.084	0.000	93	880191	25.0	25.7	
76 Dichlorobromomethane	83	8.334	8.334	0.000	100	2234689	25.0	26.4	
77 2-Nitropropane	41	8.621	8.621	0.000	98	1527427	125.0	137.3	
78 1-Bromo-2-chloroethane	63	8.724	8.731	-0.007	99	1793643	25.0	26.4	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	2789224	25.0	26.8	
82 4-Methyl-2-pentanone (MIBK)	43	9.115	9.115	0.000	97	12595503	250.0	275.0	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2374813	10.0	10.1	
84 Toluene	92	9.328	9.328	0.000	98	4500182	25.0	25.9	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	94	2407520	25.0	27.4	
86 Ethyl methacrylate	69	9.706	9.706	0.000	89	2077034	25.0	27.2	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	91	1266610	25.0	25.4	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	2034654	25.0	25.2	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	2211341	25.0	26.1	
S 107 1,3-Dichloropropene, Total	100				0			54.2	
106 2-Hexanone	43	10.090	10.090	0.000	96	9124749	250.0	278.5	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	1686150	25.0	27.7	
110 Ethylene Dibromide	107	10.352	10.352	0.000	98	1291218	25.0	26.7	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	87	1791241	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	98	2445378	25.0	25.1	
113 Chlorobenzene	112	10.840	10.840	0.000	94	5044757	25.0	25.3	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	97	1799576	25.0	26.6	
115 Ethylbenzene	91	10.937	10.937	0.000	98	9005284	25.0	26.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	7024802	50.0	52.3	
S 117 Xylenes, Total	106				0			78.1	
118 o-Xylene	106	11.401	11.401	0.000	97	3426341	25.0	25.8	
119 Styrene	104	11.419	11.419	0.000	95	5865468	25.0	26.6	
120 Bromoform	173	11.578	11.578	0.000	97	1023710	25.0	28.9	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	7994918	25.0	26.2	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	92	907728	10.0	10.2	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	91	1671405	25.0	25.5	
125 Bromobenzene	156	11.980	11.980	0.000	92	2255347	25.0	24.5	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	4558072	250.0	290.9	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	84	450975	25.0	25.1	
129 N-Propylbenzene	91	12.059	12.059	0.000	98	10638326	25.0	24.9	
130 2-Chlorotoluene	126	12.132	12.132	0.000	96	2179924	25.0	24.8	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	94	7931026	25.0	25.7	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	2280252	25.0	25.0	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	1770290	25.0	25.0	
134 Pentachloroethane	167	12.480	12.474	0.006	94	1503708	25.0	27.6	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	98	8242089	25.0	25.9	
136 sec-Butylbenzene	105	12.614	12.614	0.000	96	9944673	25.0	25.2	
137 1,3-Dichlorobenzene	146	12.711	12.712	-0.001	98	4552267	25.0	25.8	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	8792472	25.0	25.5	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.766	0.000	95	1035762	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.785	12.785	0.000	94	4594565	25.0	25.0	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	99	3654193	25.0	25.5	
142 Benzyl chloride	126	12.870	12.870	0.000	99	635228	25.0	27.6	
145 p-Diethylbenzene	119	13.010	13.004	0.006	93	5512365	25.0	26.4	
143 n-Butylbenzene	92	13.028	13.029	0.000	98	4432606	25.0	26.7	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	98	4163188	25.0	25.9	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.608	0.000	87	251795	25.0	28.8	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	3431609	25.0	27.8	
150 1,2,4-Trichlorobenzene	180	14.162	14.169	-0.007	94	2813772	25.0	30.1	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	1403830	25.0	26.9	
152 Naphthalene	128	14.345	14.345	0.000	97	4803722	25.0	31.5	
153 1,2,3-Trichlorobenzene	180	14.492	14.492	0.000	96	2202657	25.0	30.5	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	1928909	25.0	25.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

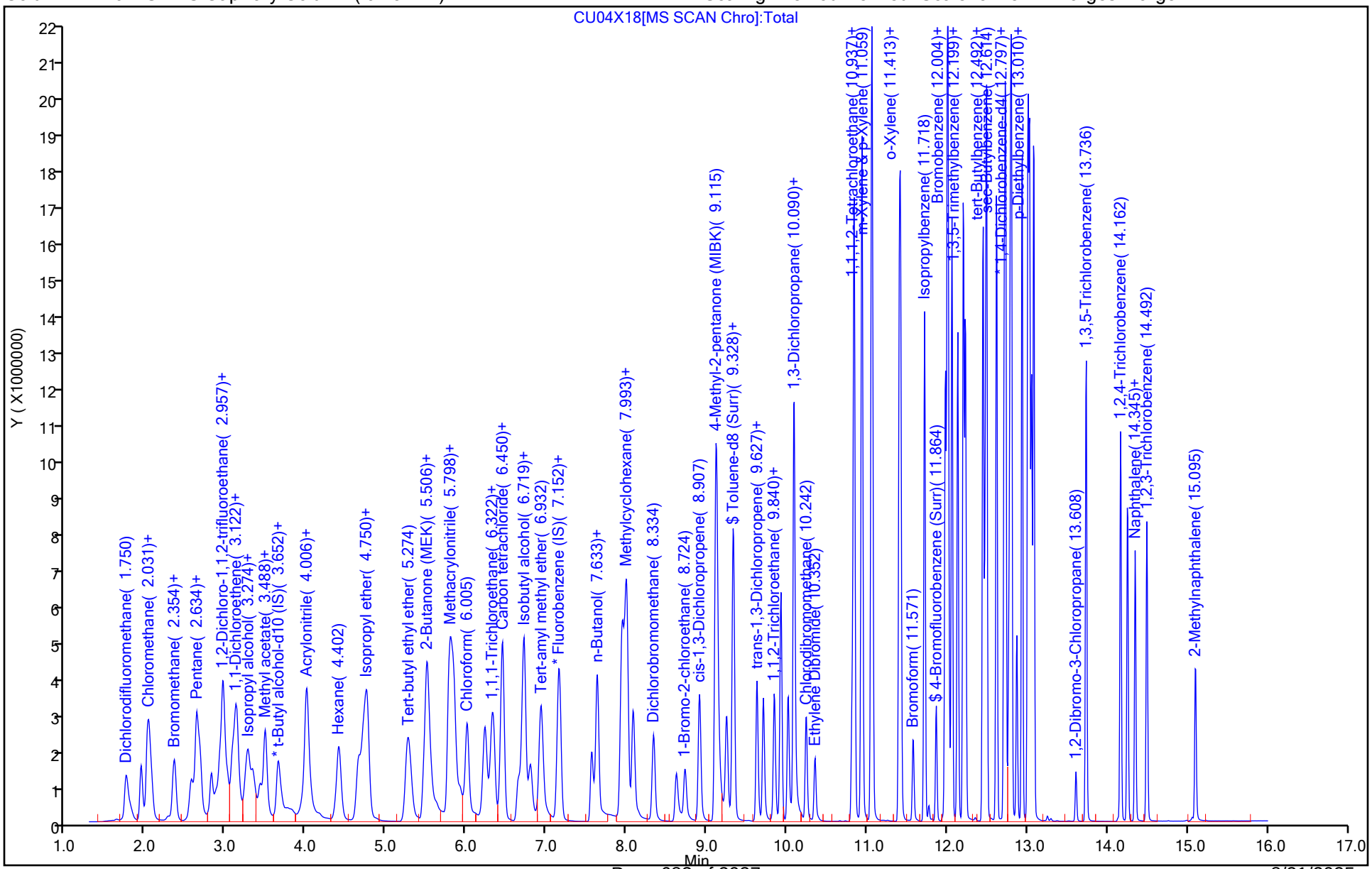
MSV_LL_#1_826_00168	Amount Added: 25.00	Units: uL	
MSV_LL_#2_826_00181	Amount Added: 25.00	Units: uL	
MSV_LL_GAS826_00274	Amount Added: 25.00	Units: uL	
MSV_HP25_ISSS_00114	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Jun-2025 09:19:09 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	IC std7 25			Worklist Smp#:	19
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

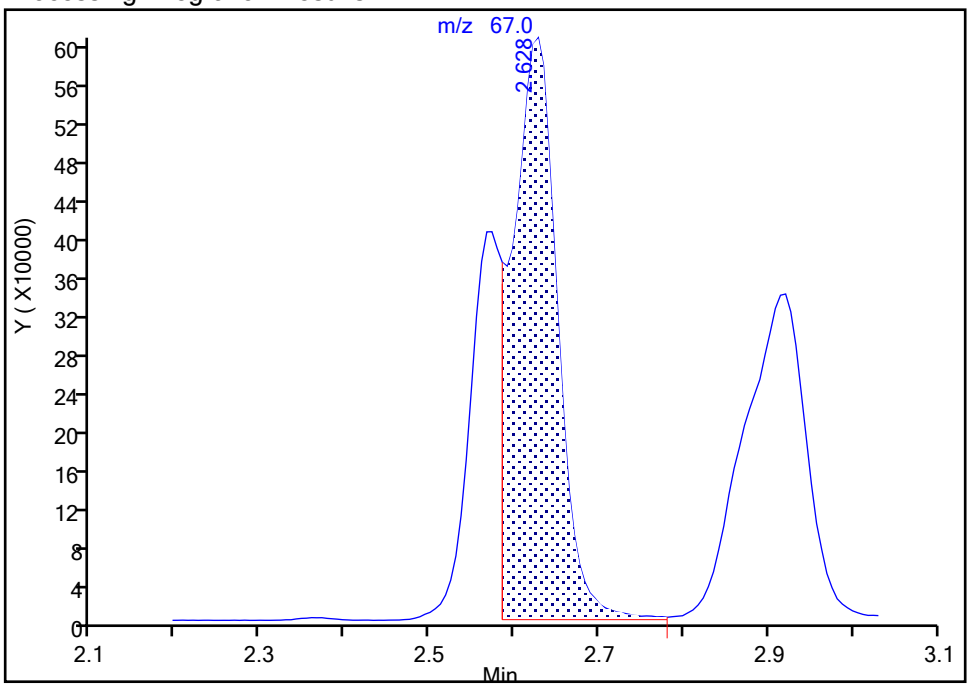
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

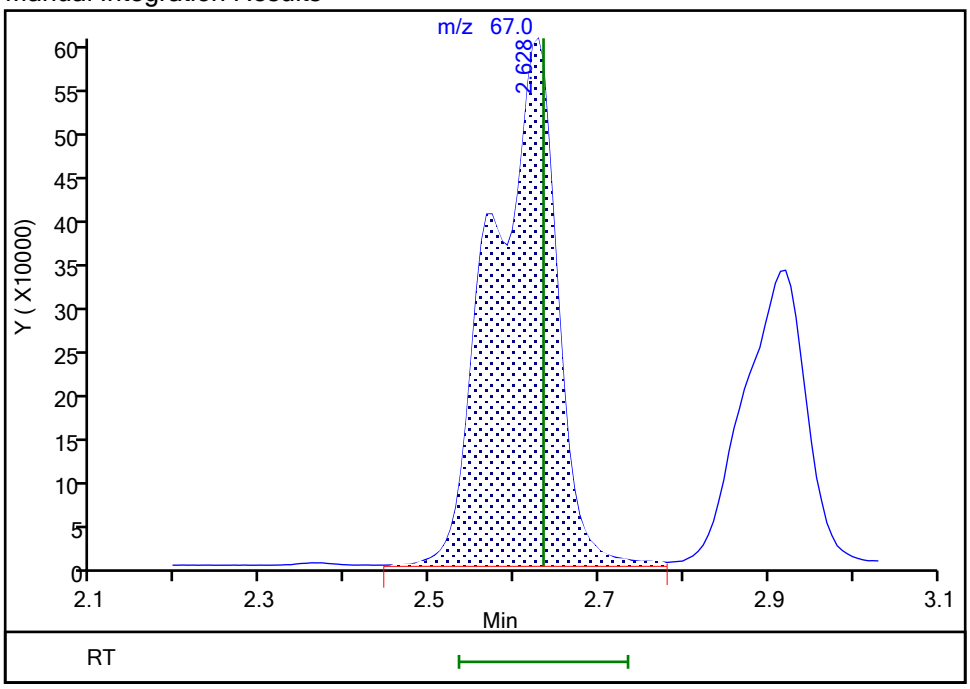
Processing Integration Results

RT: 2.63
Area: 2285913
Amount: 26.577017
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 3236174
Amount: 24.304231
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:44:49 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

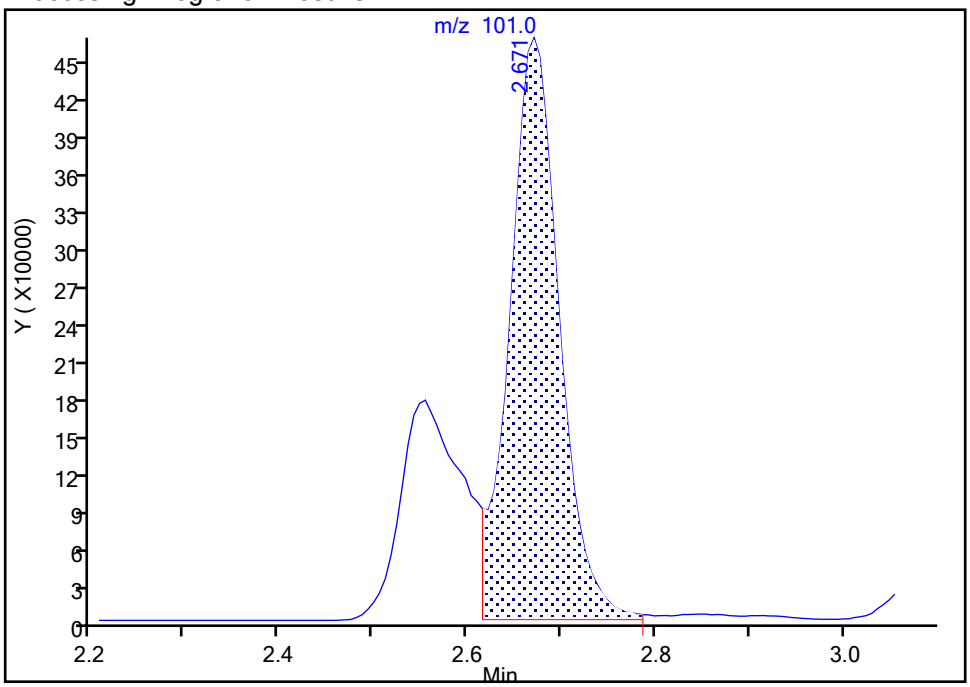
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

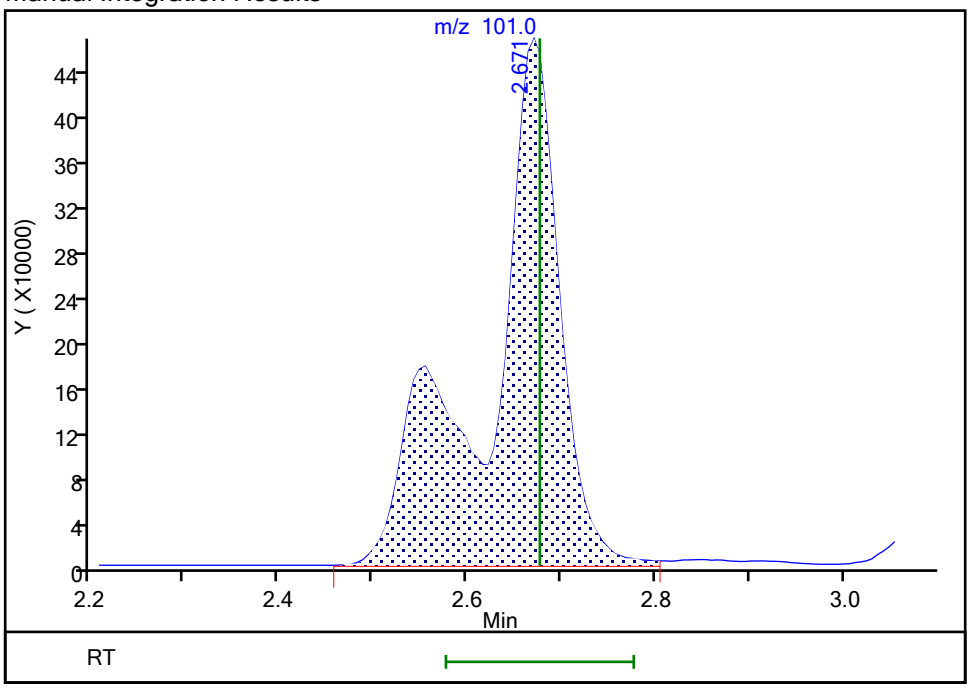
Processing Integration Results

RT: 2.67
Area: 1724805
Amount: 19.765113
Amount Units: ug/l



Manual Integration Results

RT: 2.67
Area: 2509183
Amount: 24.384771
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:07:43 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

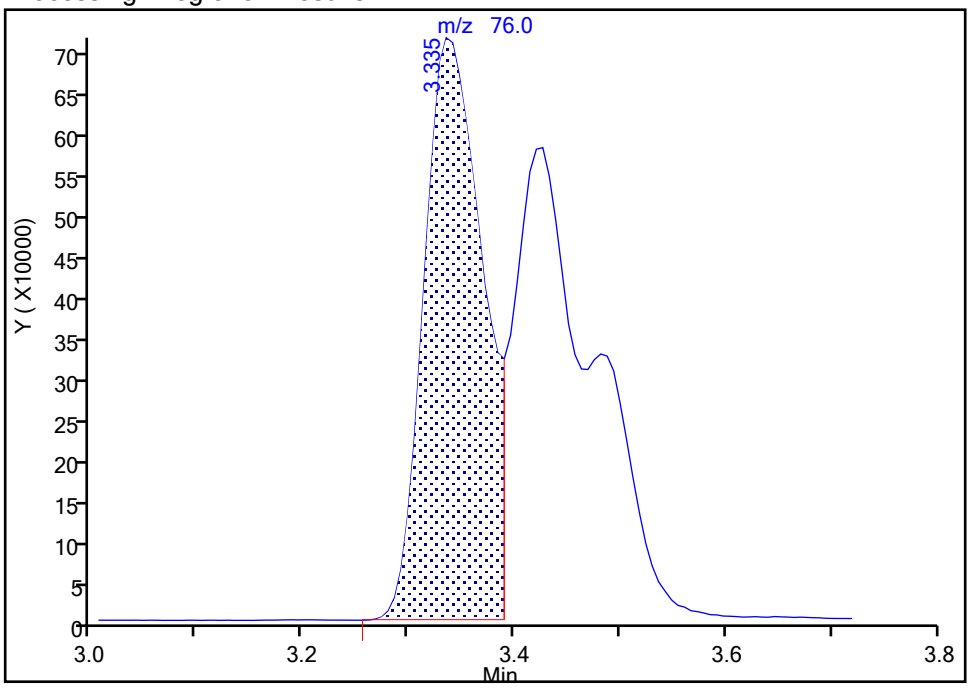
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

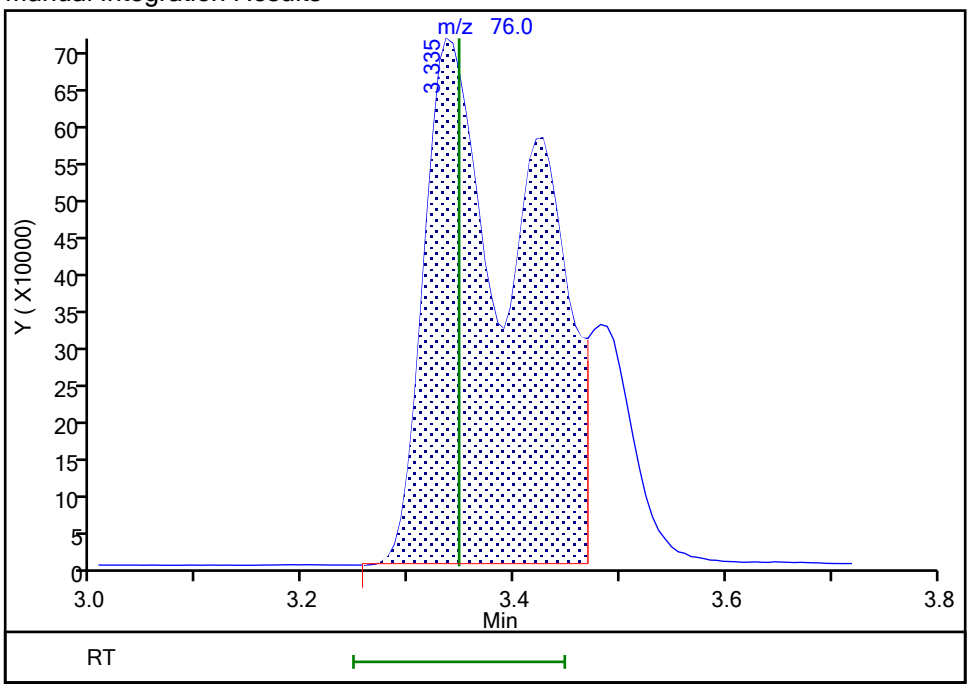
Processing Integration Results

RT: 3.34
Area: 2810849
Amount: 21.639210
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 4892051
Amount: 26.171517
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:45:25 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

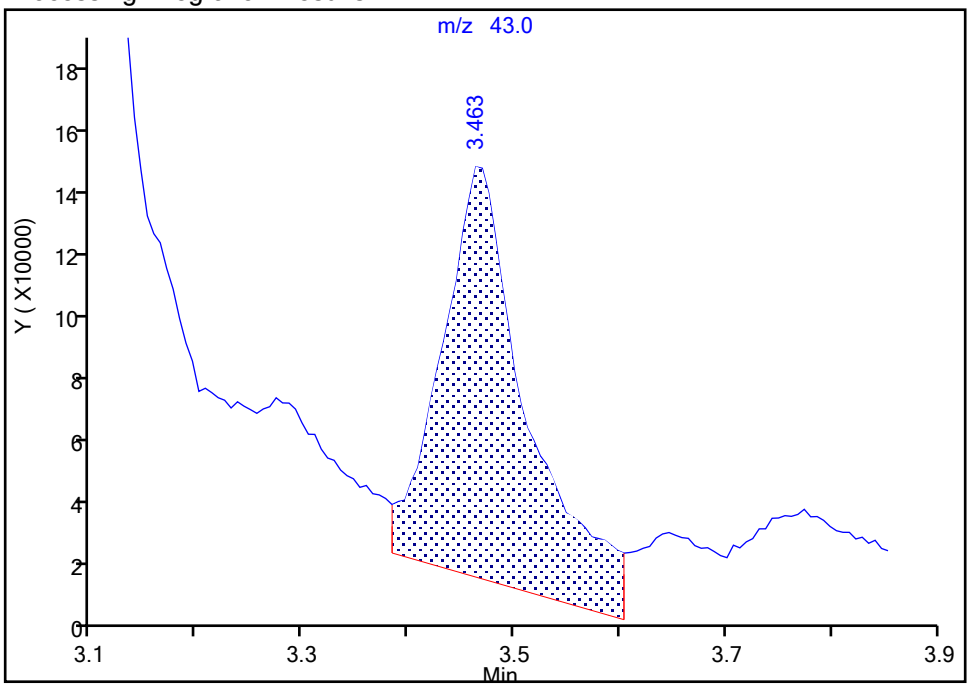
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

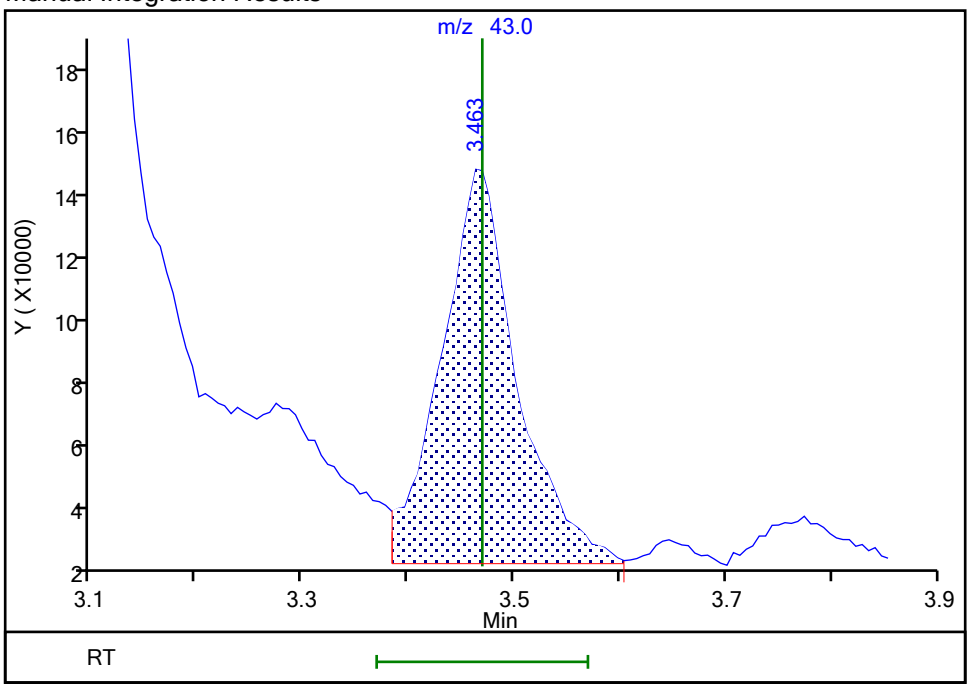
Processing Integration Results

RT: 3.46
Area: 727479
Amount: 34.354643
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 599138
Amount: 24.731391
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:45:31 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

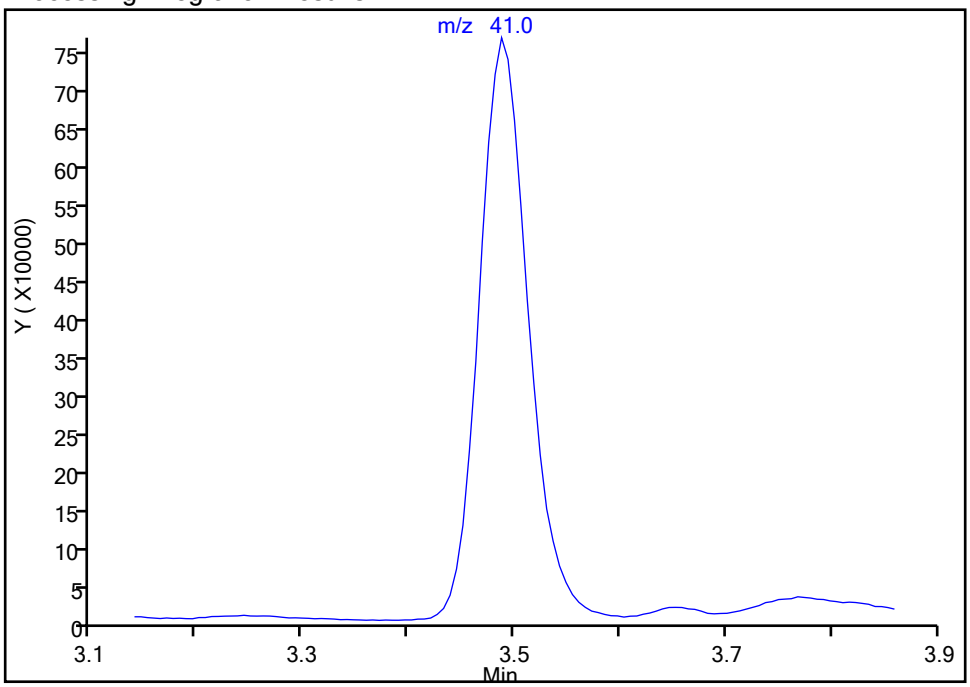
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

29 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

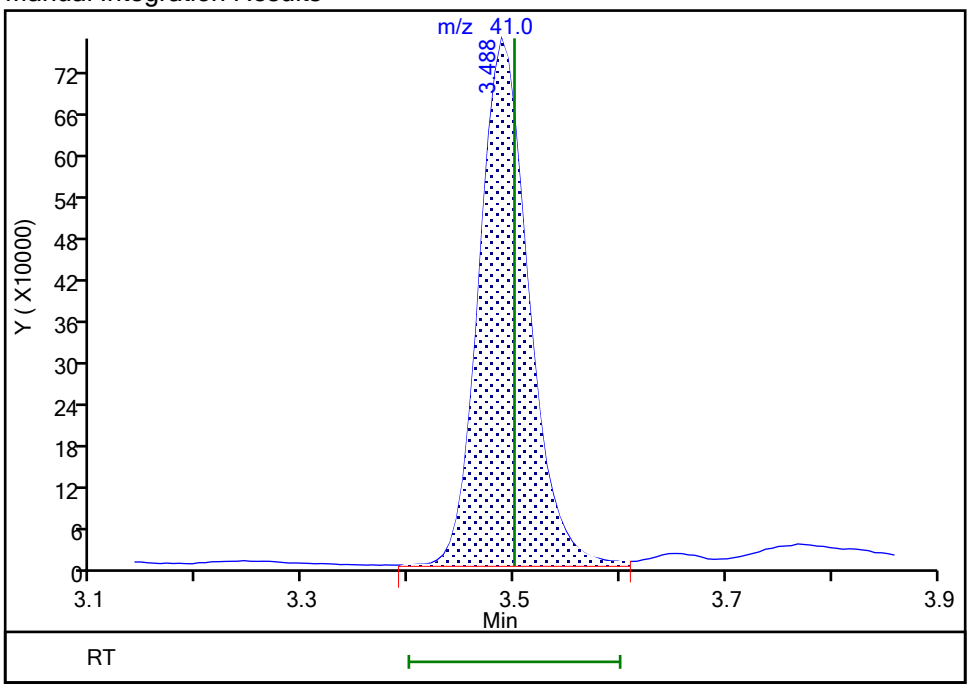
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.49
Area: 2470462
Amount: 25.868571
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:45:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

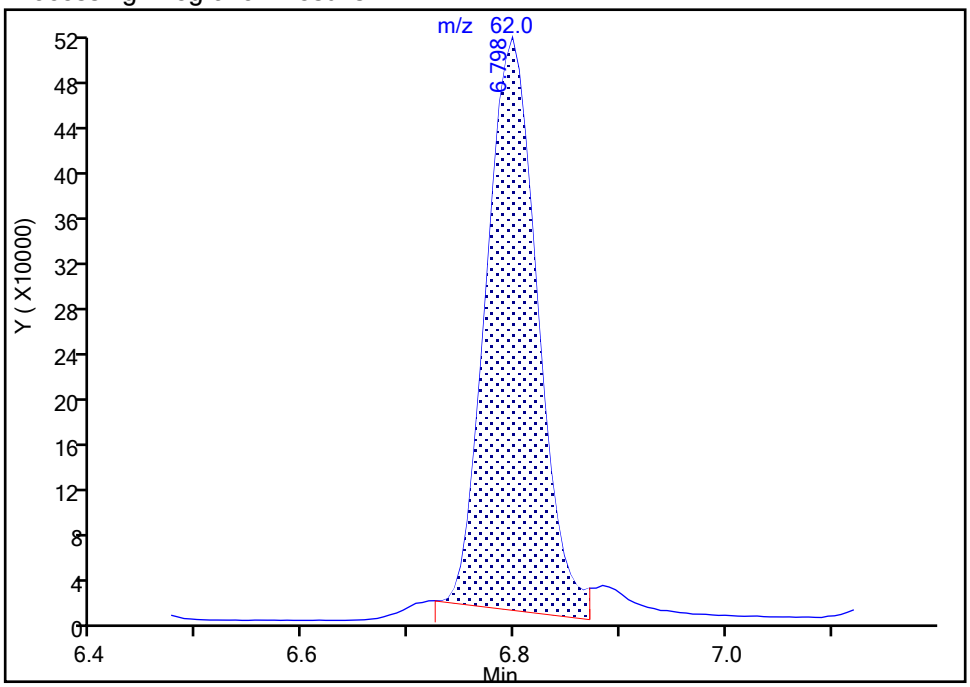
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

61 1,2-Dichloroethane, CAS: 107-06-2

Signal: 1

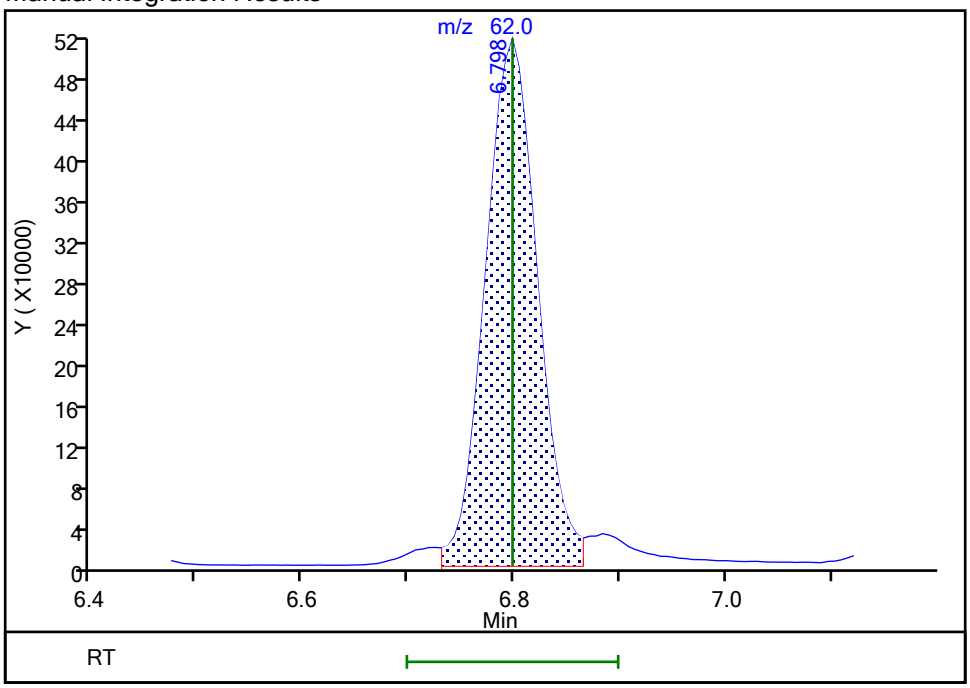
Processing Integration Results

RT: 6.80
Area: 1703860
Amount: 22.965269
Amount Units: ug/l



Manual Integration Results

RT: 6.80
Area: 1768362
Amount: 23.850213
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:27:36 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

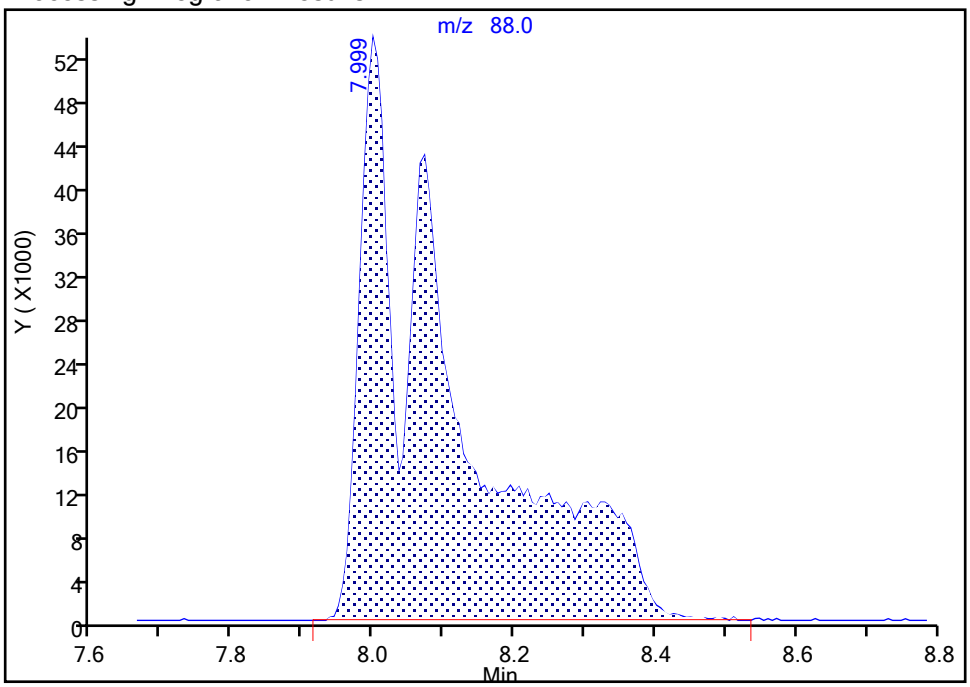
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Injection Date:	04-Jun-2025 23:20:30	Instrument ID:	10193		
Lims ID:	IC std7 25				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	18	Worklist Smp#:	19
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

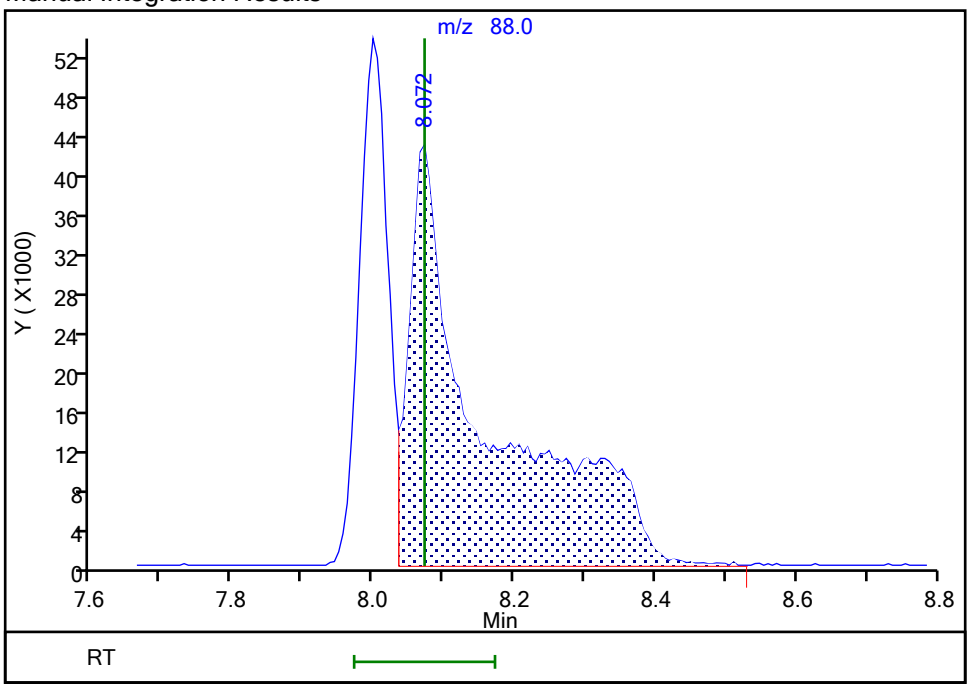
Processing Integration Results

RT: 8.00
Area: 470587
Amount: 1597.4757
Amount Units: ug/l



Manual Integration Results

RT: 8.07
Area: 324106
Amount: 1211.2079
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:32:55 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

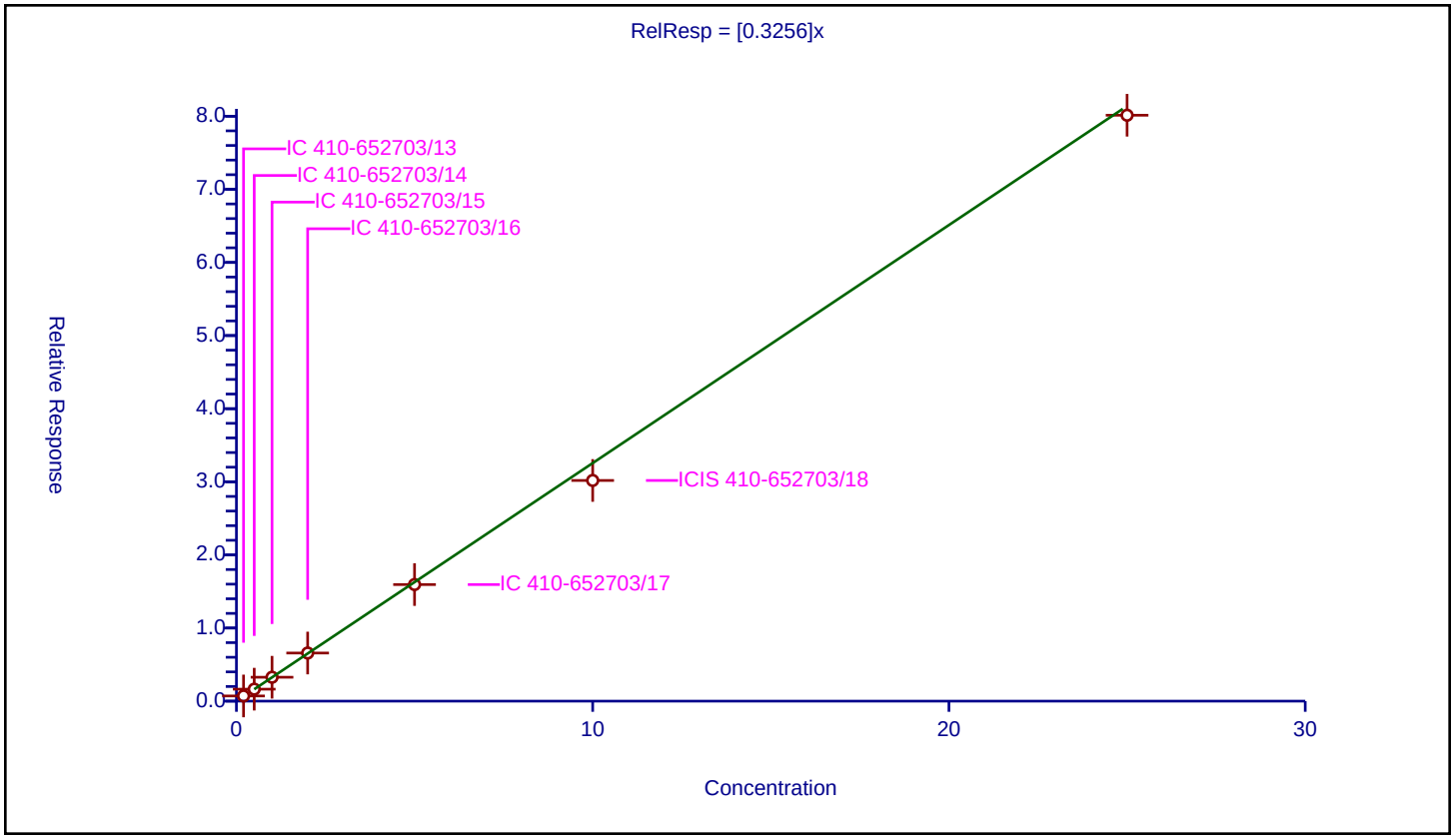
Curve Coefficients

Intercept:	0
Slope:	0.3256

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.070898	10.0	2284843.0	0.354488	Y
2	IC 410-652703/14	0.5	0.163657	10.0	2238774.0	0.327313	Y
3	IC 410-652703/15	1.0	0.326891	10.0	2276632.0	0.326891	Y
4	IC 410-652703/16	2.0	0.658129	10.0	2320746.0	0.329064	Y
5	IC 410-652703/17	5.0	1.594604	10.0	2313176.0	0.318921	Y
6	ICIS 410-652703/18	10.0	3.018209	10.0	2356745.0	0.301821	Y
7	IC 410-652703/19	25.0	8.013353	10.0	2383670.0	0.320534	Y



8/21/2025
7:28:43 PM

Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

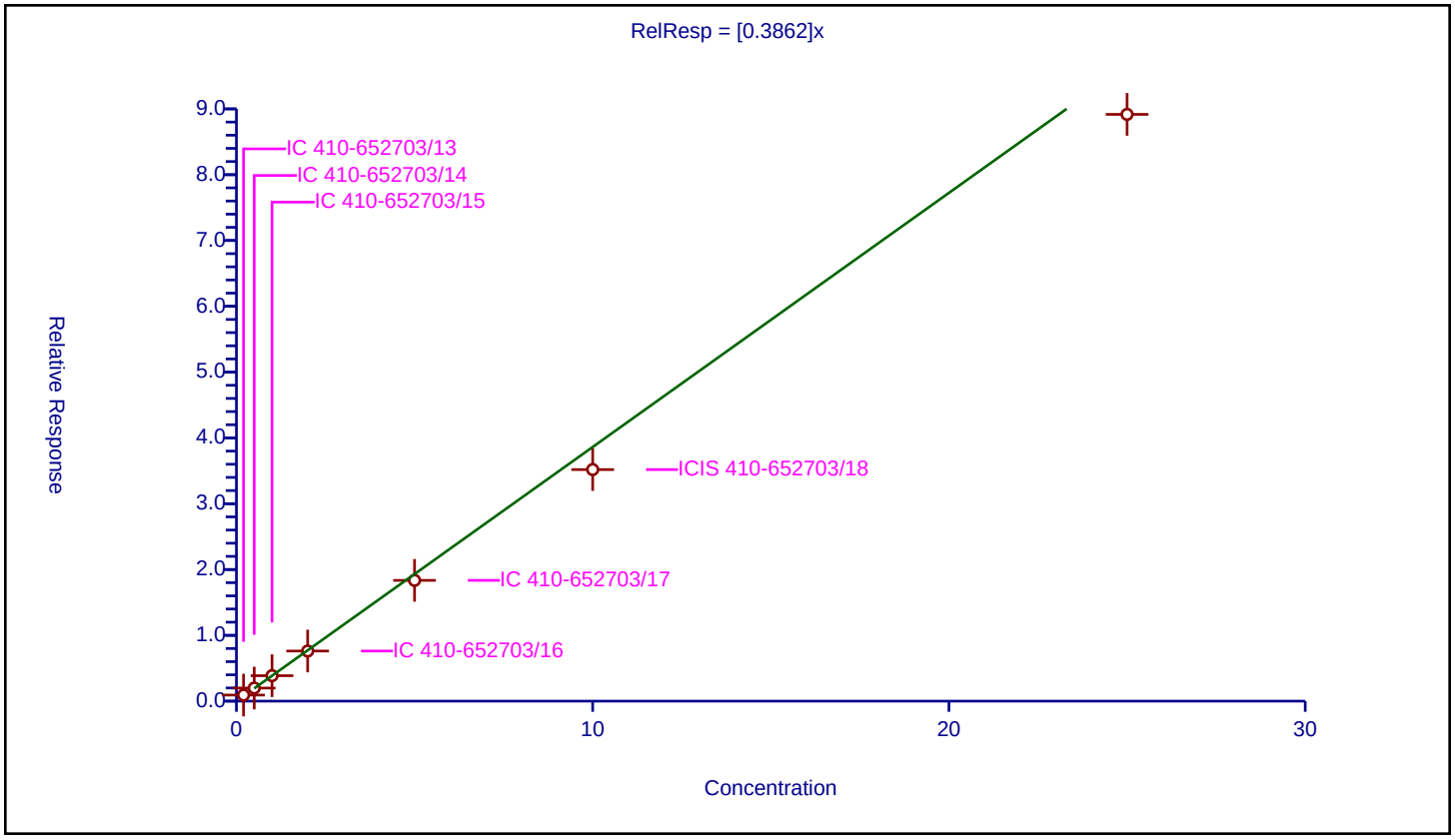
Curve Coefficients

Intercept:	0
Slope:	0.3862

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.092518	10.0	2284843.0	0.462592	Y
2	IC 410-652703/14	0.5	0.19885	10.0	2238774.0	0.3977	Y
3	IC 410-652703/15	1.0	0.386751	10.0	2276632.0	0.386751	Y
4	IC 410-652703/16	2.0	0.761445	10.0	2320746.0	0.380722	Y
5	IC 410-652703/17	5.0	1.835347	10.0	2313176.0	0.367069	Y
6	ICIS 410-652703/18	10.0	3.518947	10.0	2356745.0	0.351895	Y
7	IC 410-652703/19	25.0	8.916738	10.0	2383670.0	0.35667	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

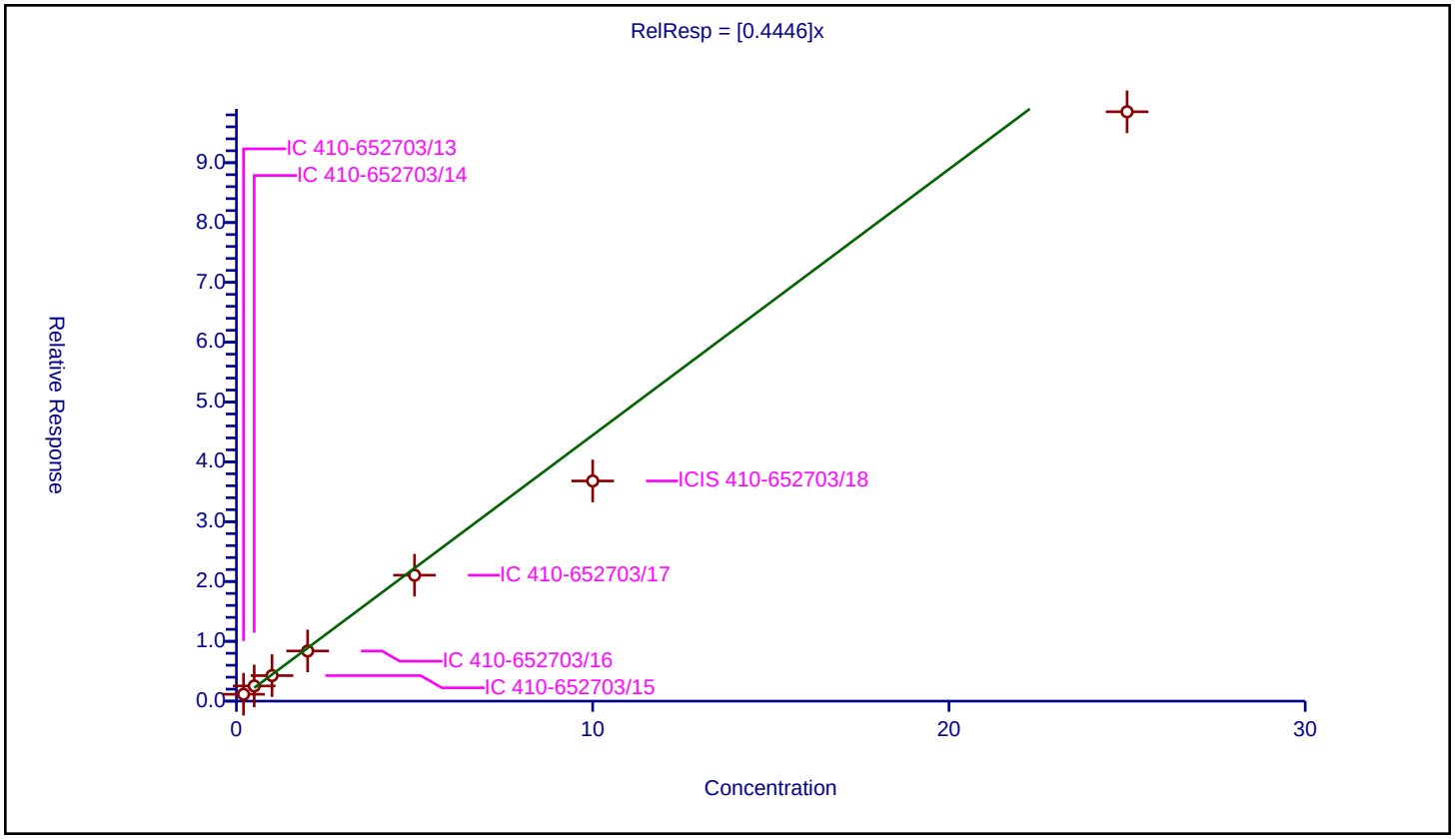
Curve Coefficients

Intercept:	0
Slope:	0.4446

Error Coefficients

Relative Standard Deviation:	16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.115133	10.0	2284843.0	0.575663	Y
2	IC 410-652703/14	0.5	0.253465	10.0	2238774.0	0.506929	Y
3	IC 410-652703/15	1.0	0.426938	10.0	2276632.0	0.426938	Y
4	IC 410-652703/16	2.0	0.838411	10.0	2320746.0	0.419206	Y
5	IC 410-652703/17	5.0	2.105387	10.0	2313176.0	0.421077	Y
6	ICIS 410-652703/18	10.0	3.680411	10.0	2356745.0	0.368041	Y
7	IC 410-652703/19	25.0	9.8518	10.0	2383670.0	0.394072	Y



8/21/2025
7:28:43 PM

Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

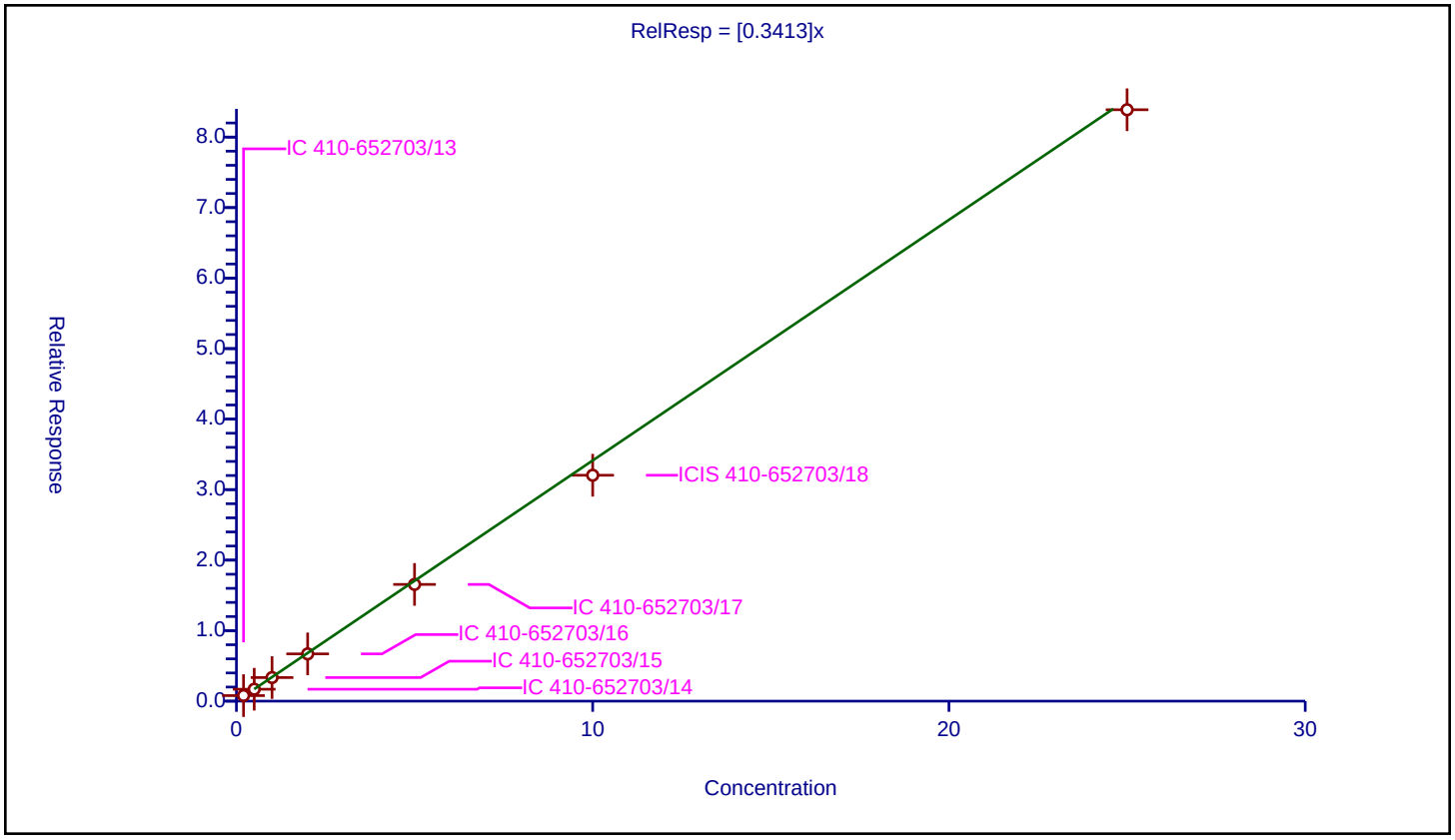
Curve Coefficients

Intercept:	0
Slope:	0.3413

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.078763	10.0	2284843.0	0.393813	Y
2	IC 410-652703/14	0.5	0.169227	10.0	2238774.0	0.338453	Y
3	IC 410-652703/15	1.0	0.334674	10.0	2276632.0	0.334674	Y
4	IC 410-652703/16	2.0	0.670388	10.0	2320746.0	0.335194	Y
5	IC 410-652703/17	5.0	1.655624	10.0	2313176.0	0.331125	Y
6	ICIS 410-652703/18	10.0	3.204084	10.0	2356745.0	0.320408	Y
7	IC 410-652703/19	25.0	8.387856	10.0	2383670.0	0.335514	Y



8/21/2025
7:28:43 PM

Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

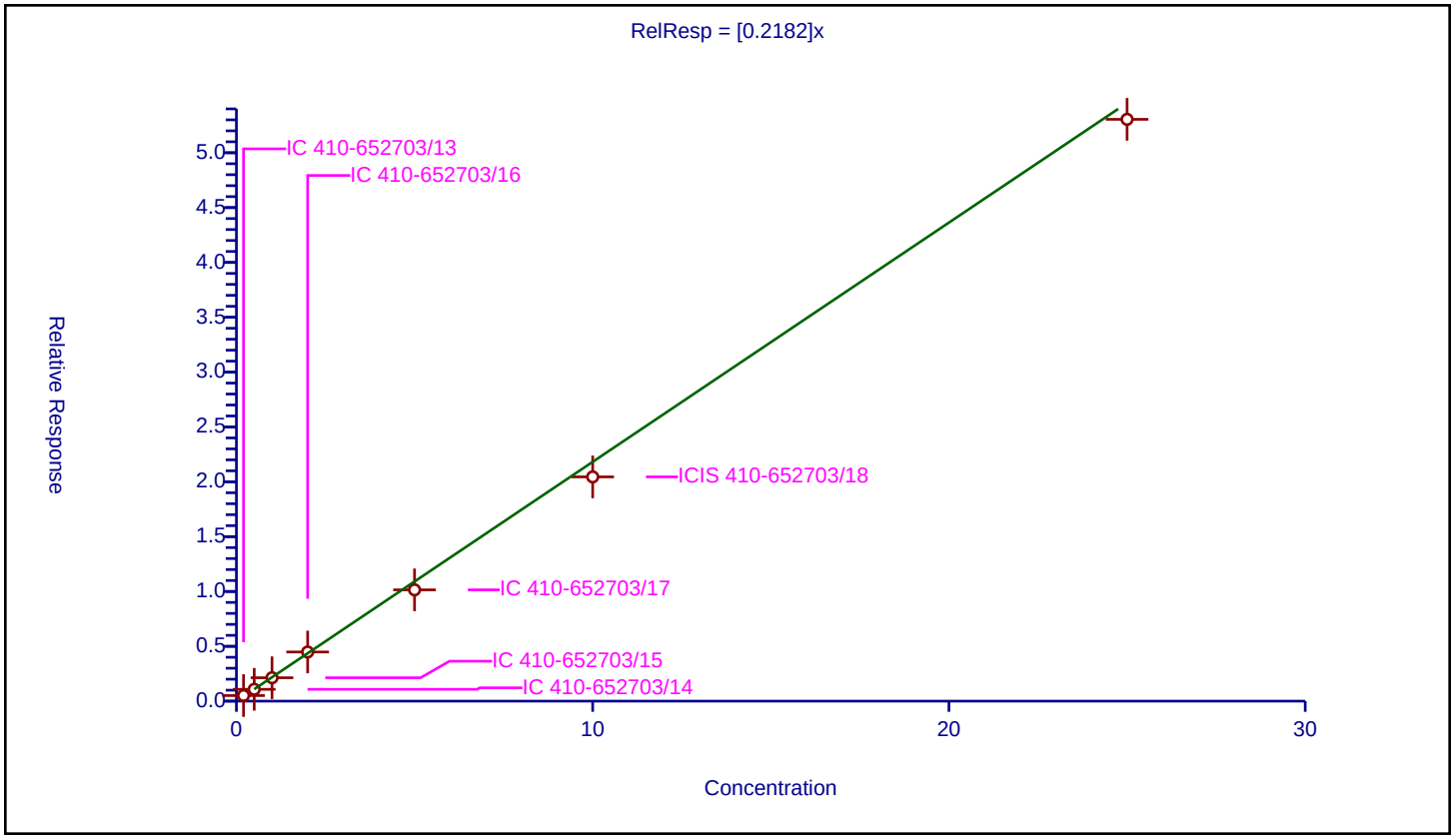
Curve Coefficients

Intercept:	0
Slope:	0.2182

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.050953	10.0	2284843.0	0.254766	Y
2	IC 410-652703/14	0.5	0.107671	10.0	2238774.0	0.215341	Y
3	IC 410-652703/15	1.0	0.213337	10.0	2276632.0	0.213337	Y
4	IC 410-652703/16	2.0	0.448239	10.0	2320746.0	0.22412	Y
5	IC 410-652703/17	5.0	1.014756	10.0	2313176.0	0.202951	Y
6	ICIS 410-652703/18	10.0	2.044727	10.0	2356745.0	0.204473	Y
7	IC 410-652703/19	25.0	5.304786	10.0	2383670.0	0.212191	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

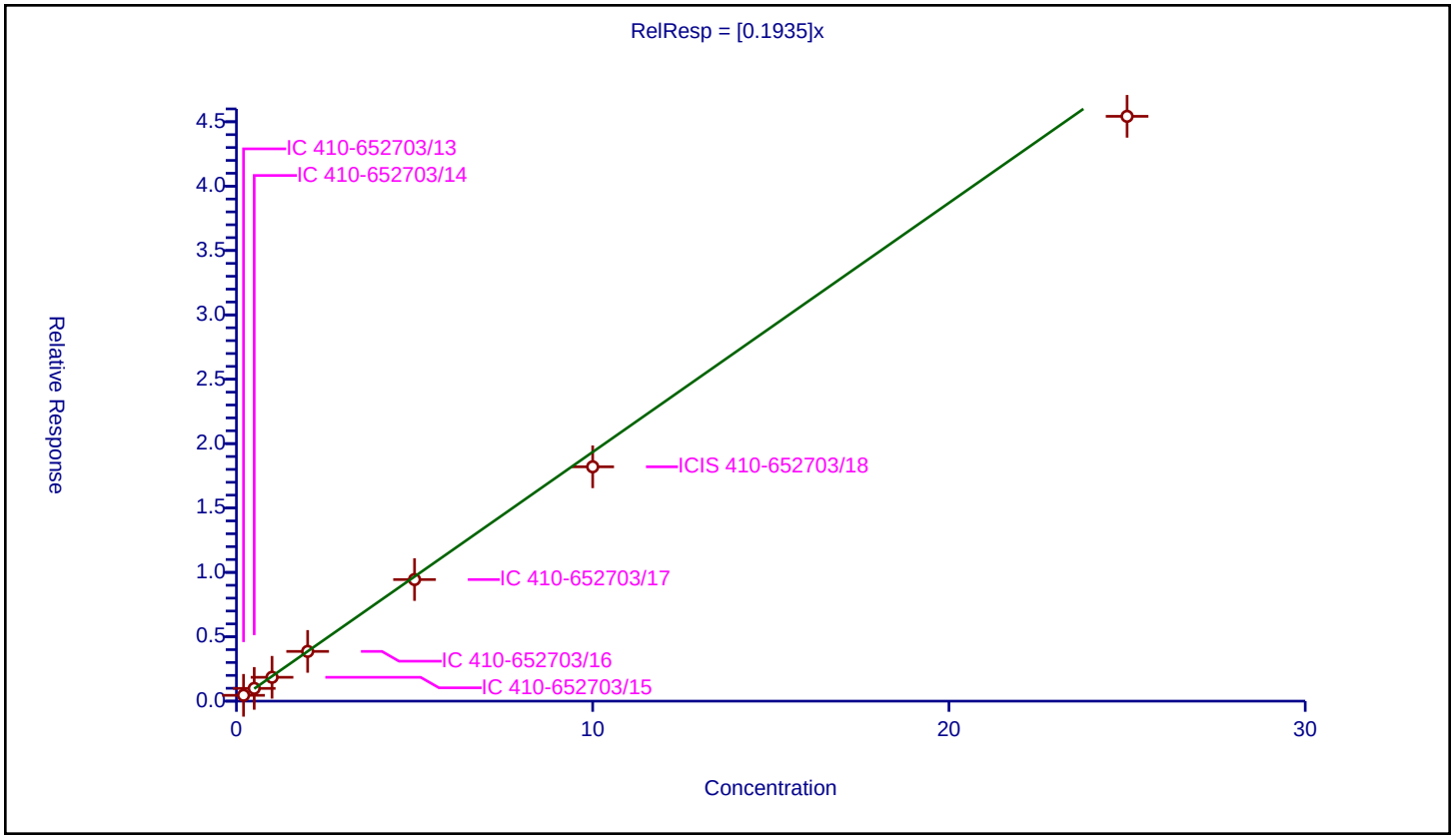
Curve Coefficients

Intercept:	0
Slope:	0.1935

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.045102	10.0	2284843.0	0.225508	Y
2	IC 410-652703/14	0.5	0.099001	10.0	2238774.0	0.198001	Y
3	IC 410-652703/15	1.0	0.185151	10.0	2276632.0	0.185151	Y
4	IC 410-652703/16	2.0	0.386307	10.0	2320746.0	0.193153	Y
5	IC 410-652703/17	5.0	0.944494	10.0	2313176.0	0.188899	Y
6	ICIS 410-652703/18	10.0	1.820044	10.0	2356745.0	0.182004	Y
7	IC 410-652703/19	25.0	4.542189	10.0	2383670.0	0.181688	Y



8/21/2025
7:28:43 PM

Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

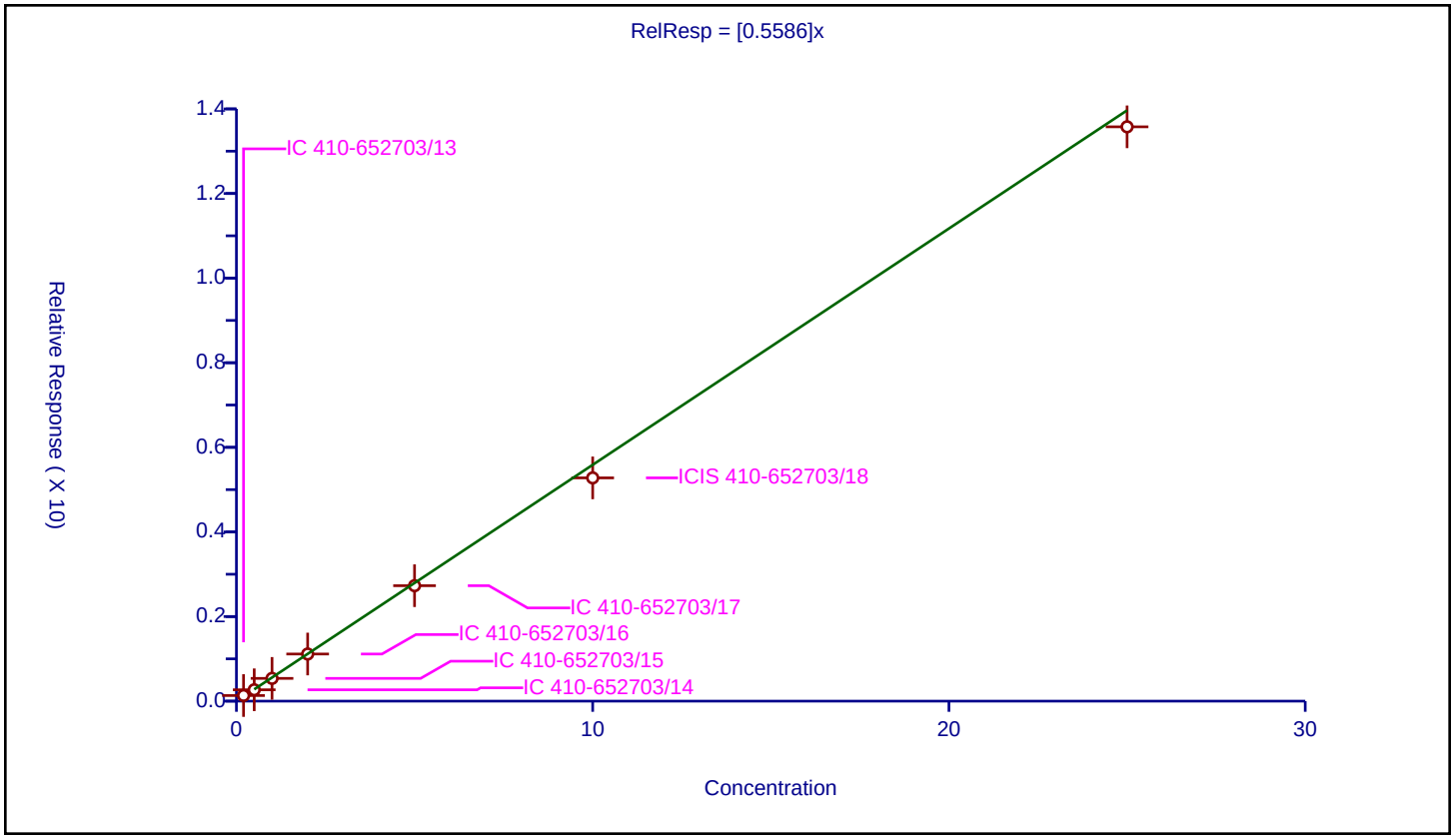
Curve Coefficients

Intercept:	0
Slope:	0.5586

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.132276	10.0	2284843.0	0.66138	Y
2	IC 410-652703/14	0.5	0.268634	10.0	2238774.0	0.537267	Y
3	IC 410-652703/15	1.0	0.537909	10.0	2276632.0	0.537909	Y
4	IC 410-652703/16	2.0	1.114254	10.0	2320746.0	0.557127	Y
5	IC 410-652703/17	5.0	2.728703	10.0	2313176.0	0.545741	Y
6	ICIS 410-652703/18	10.0	5.277453	10.0	2356745.0	0.527745	Y
7	IC 410-652703/19	25.0	13.576435	10.0	2383670.0	0.543057	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

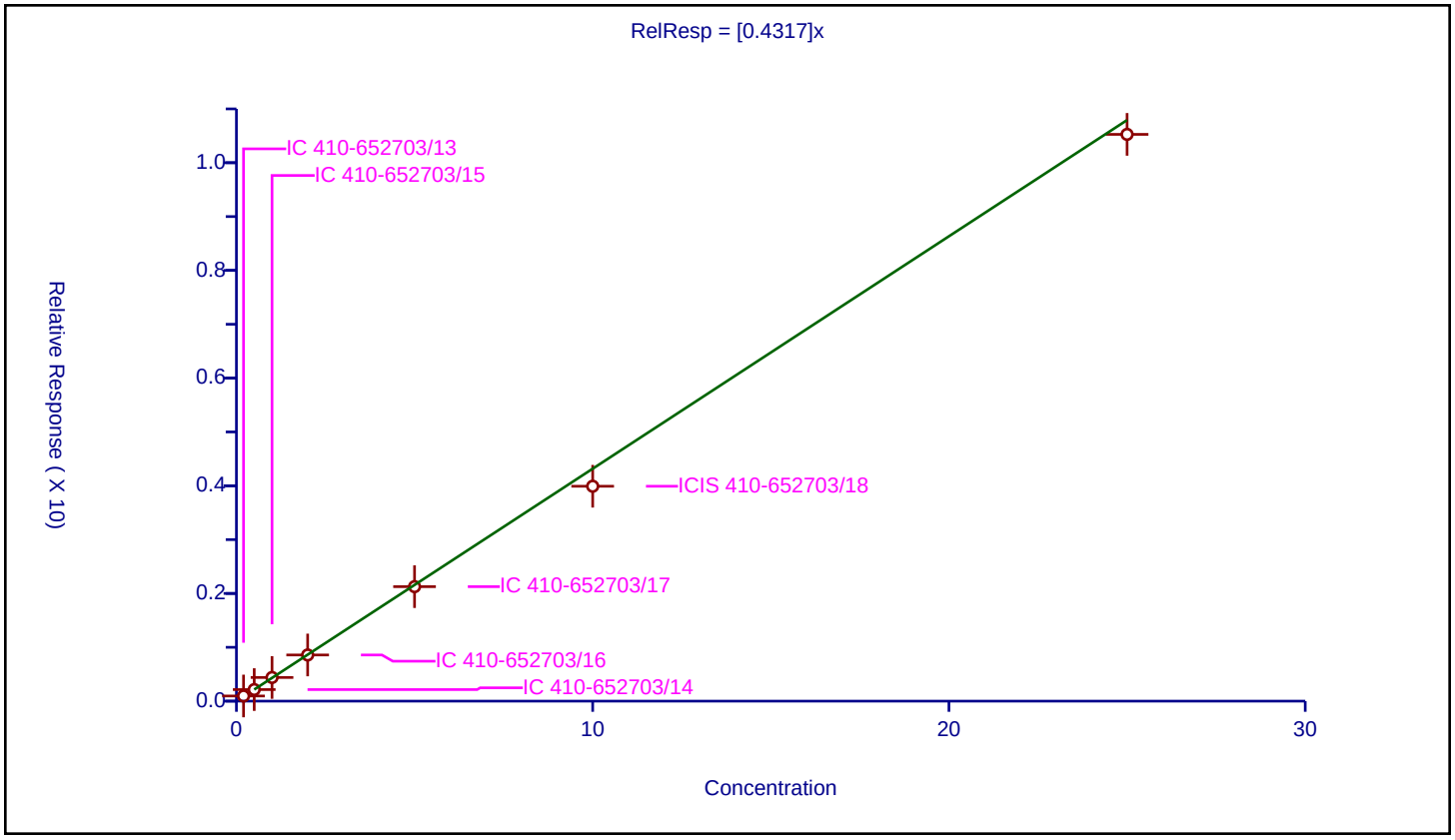
Curve Coefficients

Intercept:	0
Slope:	0.4317

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.095547	10.0	2284843.0	0.477735	Y
2	IC 410-652703/14	0.5	0.215113	10.0	2238774.0	0.430227	Y
3	IC 410-652703/15	1.0	0.439645	10.0	2276632.0	0.439645	Y
4	IC 410-652703/16	2.0	0.857513	10.0	2320746.0	0.428757	Y
5	IC 410-652703/17	5.0	2.126176	10.0	2313176.0	0.425235	Y
6	ICIS 410-652703/18	10.0	3.991382	10.0	2356745.0	0.399138	Y
7	IC 410-652703/19	25.0	10.526554	10.0	2383670.0	0.421062	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

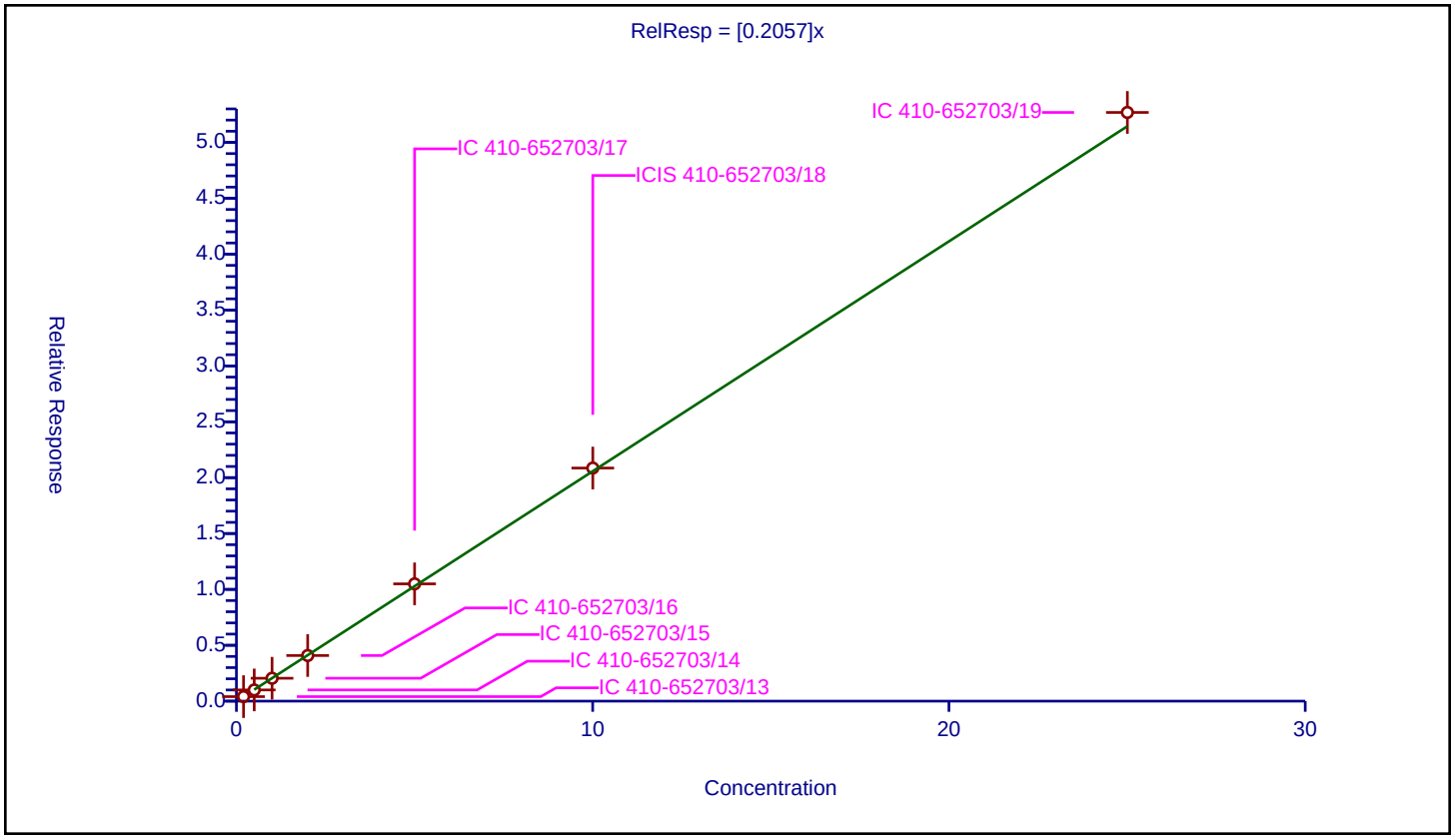
Curve Coefficients

Intercept:	0
Slope:	0.2057

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.200066	0.040375	10.0	2284843.0	0.201807	Y
2	IC 410-652703/14	0.500166	0.100216	10.0	2238774.0	0.200365	Y
3	IC 410-652703/15	1.000332	0.204895	10.0	2276632.0	0.204827	Y
4	IC 410-652703/16	2.000664	0.408179	10.0	2320746.0	0.204022	Y
5	IC 410-652703/17	5.00166	1.049501	10.0	2313176.0	0.20983	Y
6	ICIS 410-652703/18	10.00332	2.085966	10.0	2356745.0	0.208527	Y
7	IC 410-652703/19	25.0083	5.268296	10.0	2383670.0	0.210662	Y



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Calibration / 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

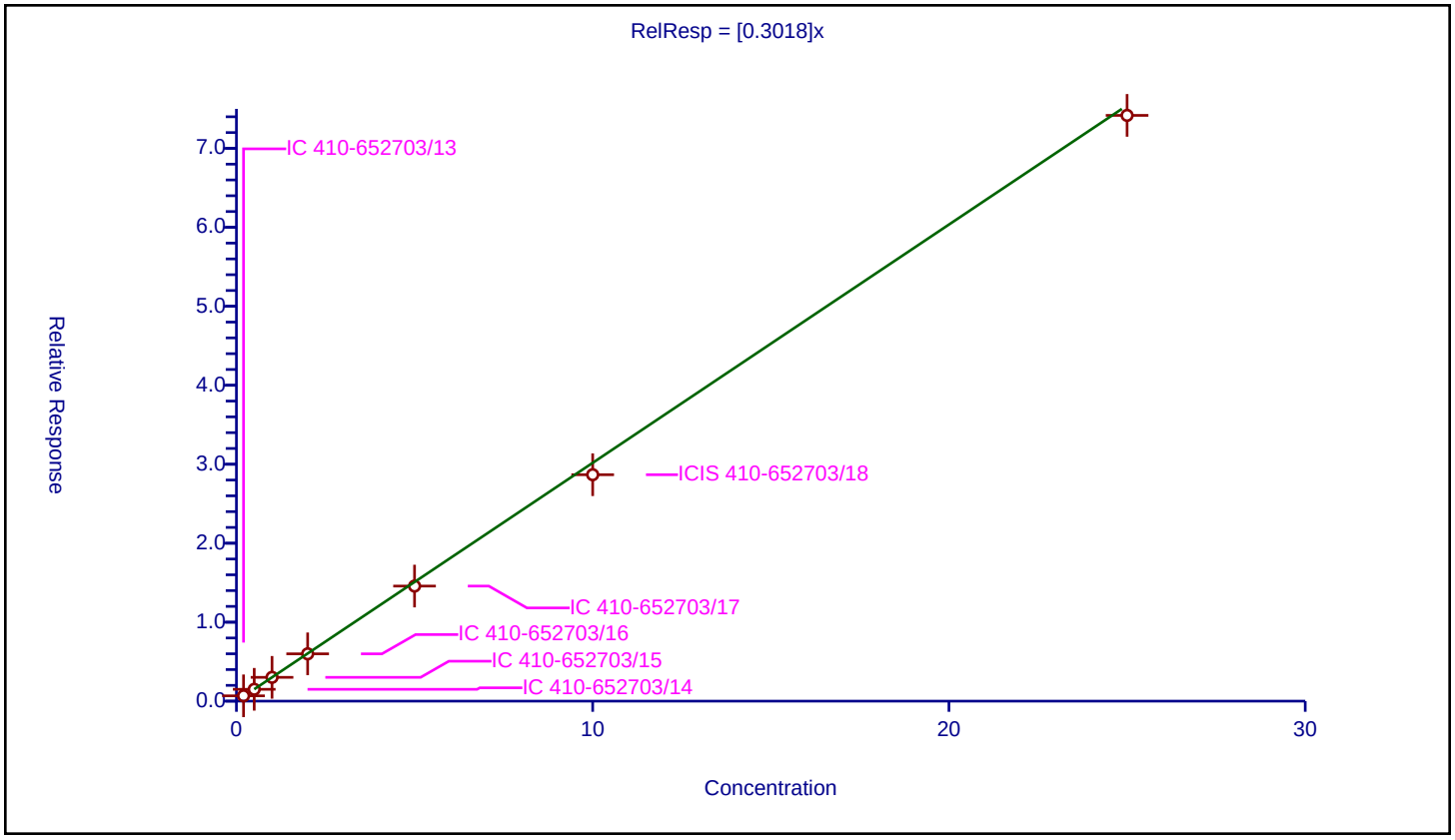
Curve Coefficients

Intercept:	0
Slope:	0.3018

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.067353	10.0	2284843.0	0.336763	Y
2	IC 410-652703/14	0.5	0.149836	10.0	2238774.0	0.299673	Y
3	IC 410-652703/15	1.0	0.301445	10.0	2276632.0	0.301445	Y
4	IC 410-652703/16	2.0	0.599049	10.0	2320746.0	0.299524	Y
5	IC 410-652703/17	5.0	1.457338	10.0	2313176.0	0.291468	Y
6	ICIS 410-652703/18	10.0	2.867429	10.0	2356745.0	0.286743	Y
7	IC 410-652703/19	25.0	7.41773	10.0	2383670.0	0.296709	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

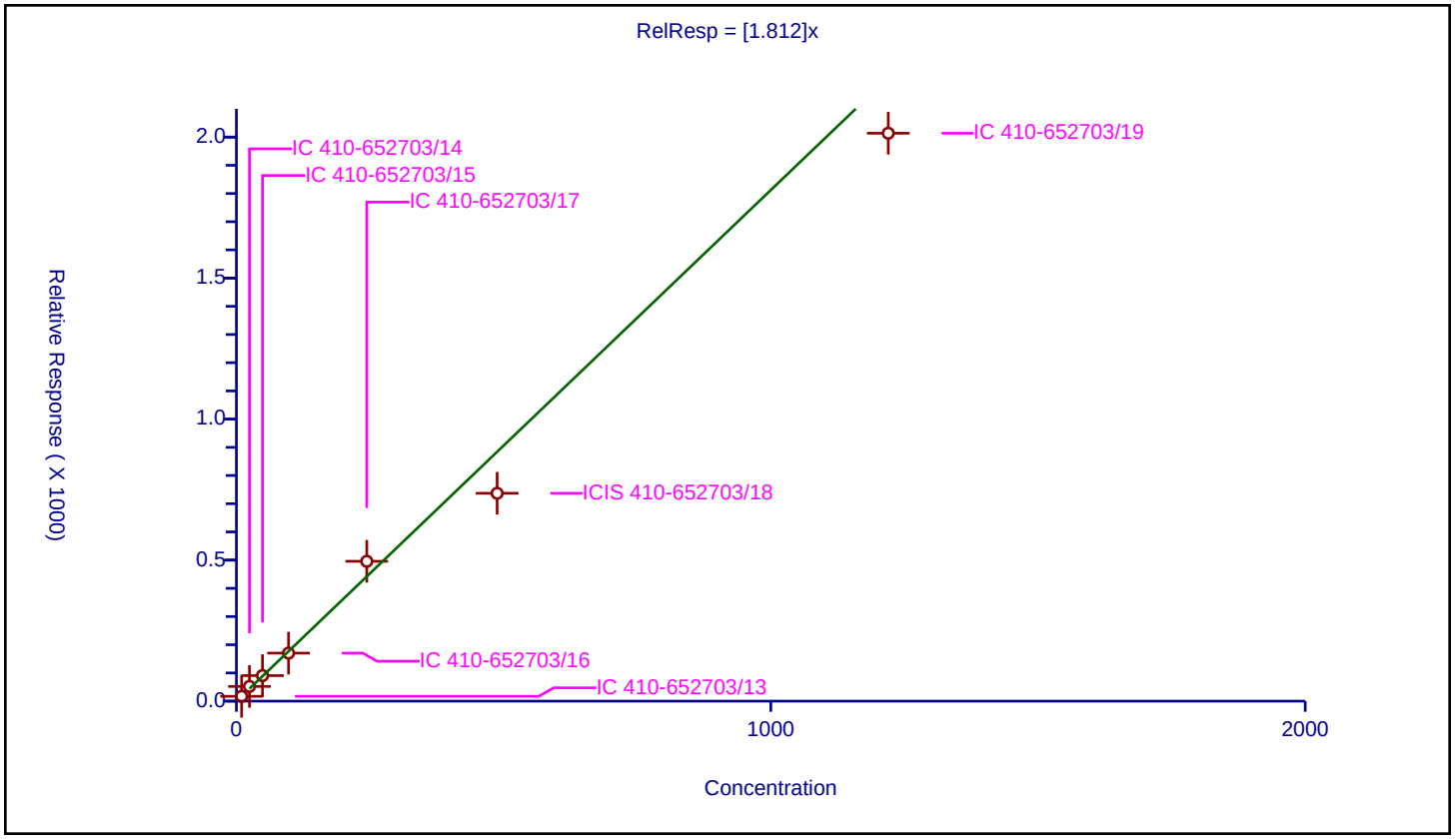
Curve Coefficients

Intercept:	0
Slope:	1.812

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	9.758146	17.102822	50.0	176275.0	1.752671	Y
2	IC 410-652703/14	24.395365	52.140566	50.0	174580.0	2.137314	Y
3	IC 410-652703/15	48.790729	90.535196	50.0	173955.0	1.855582	Y
4	IC 410-652703/16	97.581458	170.33646	50.0	202164.0	1.745582	Y
5	IC 410-652703/17	243.953646	495.895798	50.0	195044.0	2.032746	Y
6	ICIS 410-652703/18	487.907292	737.014978	50.0	195687.0	1.510564	Y
7	IC 410-652703/19	1219.76823	2013.717159	50.0	190156.0	1.650901	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

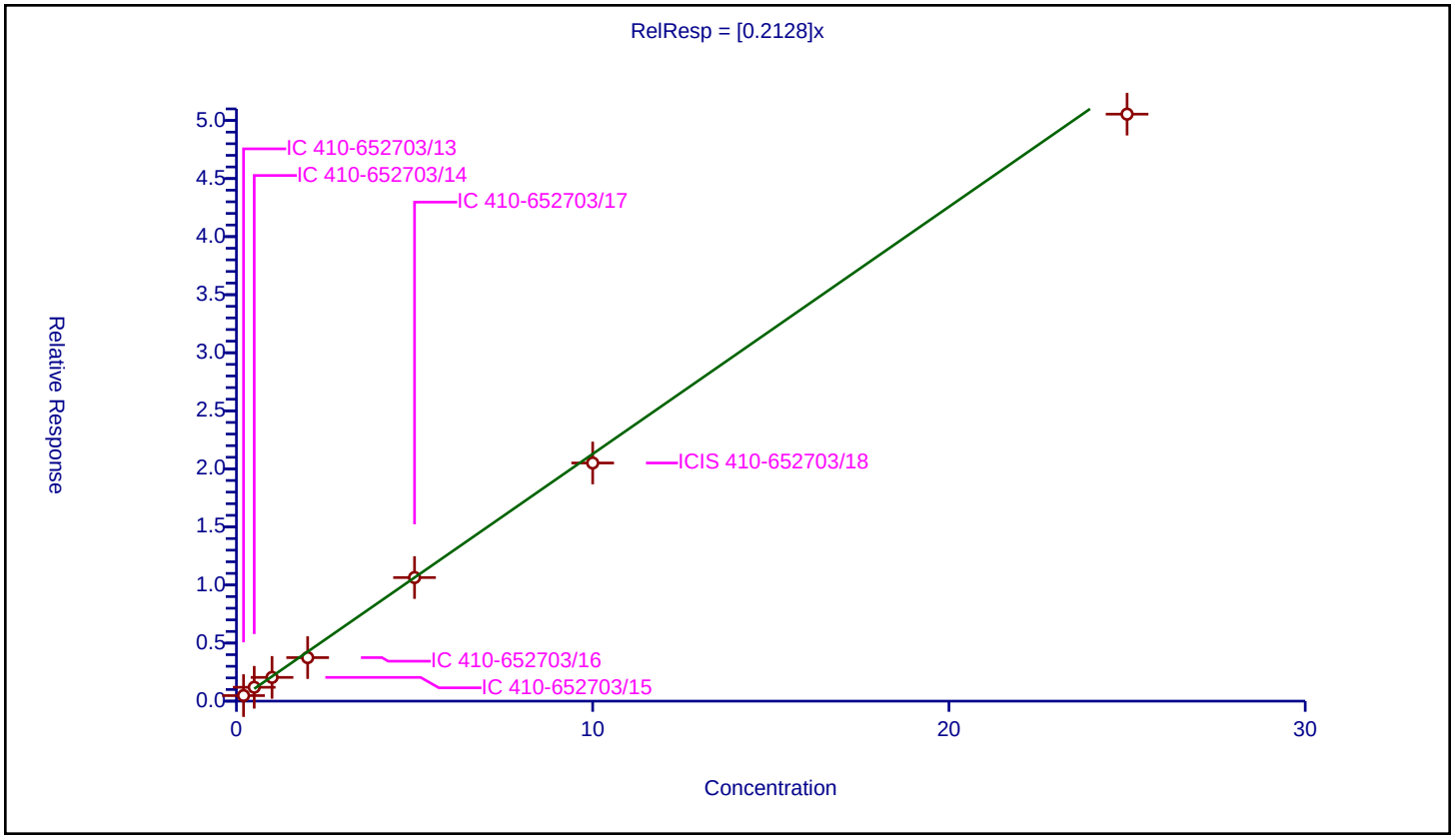
Curve Coefficients

Intercept:	0
Slope:	0.2128

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.047798	10.0	2284843.0	0.238988	Y
2	IC 410-652703/14	0.5	0.119409	10.0	2238774.0	0.238818	Y
3	IC 410-652703/15	1.0	0.204557	10.0	2276632.0	0.204557	Y
4	IC 410-652703/16	2.0	0.374789	10.0	2320746.0	0.187394	Y
5	IC 410-652703/17	5.0	1.06442	10.0	2313176.0	0.212884	Y
6	ICIS 410-652703/18	10.0	2.050824	10.0	2356745.0	0.205082	Y
7	IC 410-652703/19	25.0	5.05489	10.0	2383670.0	0.202196	Y



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Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

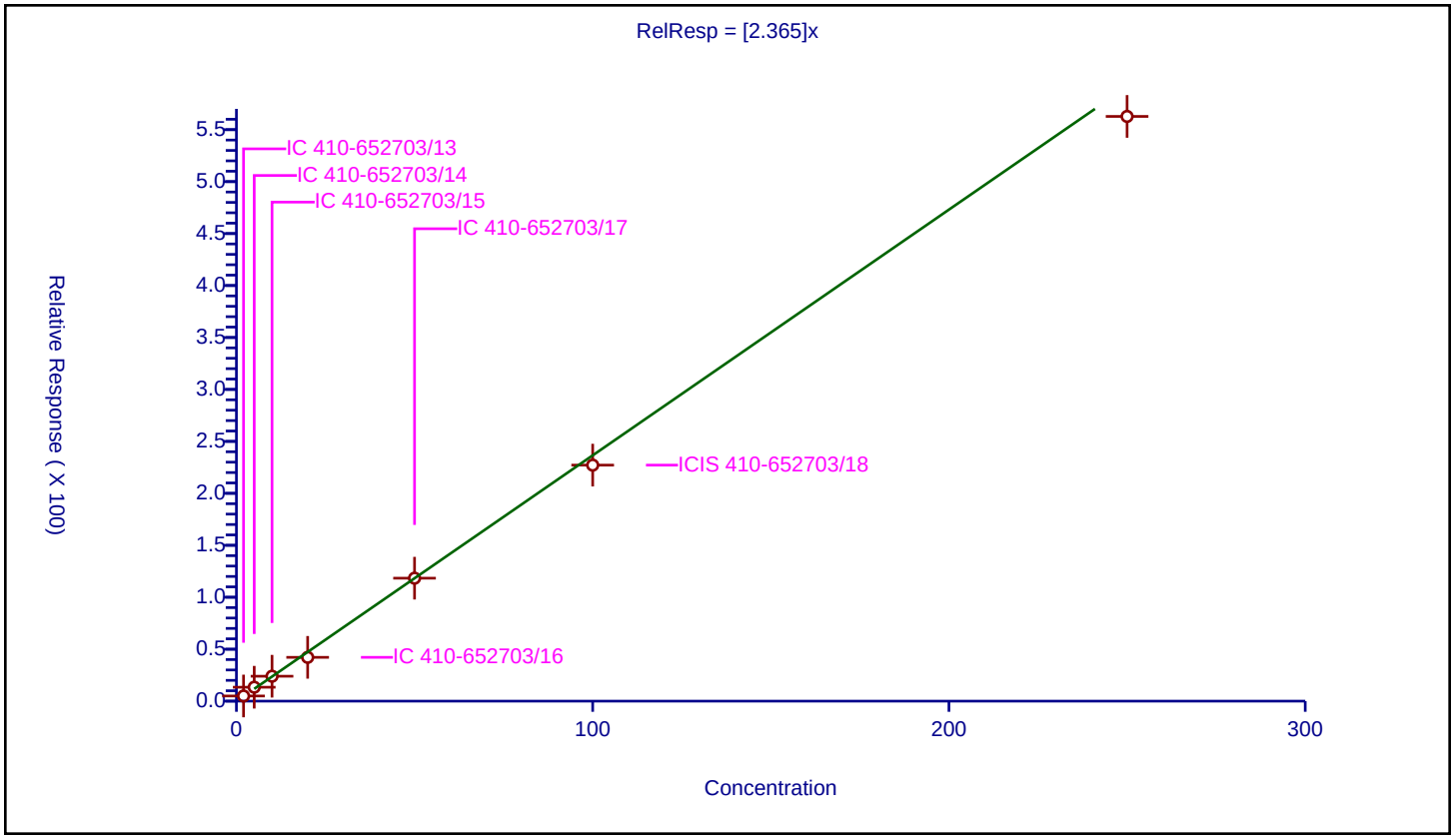
Curve Coefficients

Intercept:	0
Slope:	2.365

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	4.95958	50.0	176275.0	2.47979	Y
2	IC 410-652703/14	5.0	13.405029	50.0	174580.0	2.681006	Y
3	IC 410-652703/15	10.0	23.98925	50.0	173955.0	2.398925	Y
4	IC 410-652703/16	20.0	42.152906	50.0	202164.0	2.107645	Y
5	IC 410-652703/17	50.0	118.337657	50.0	195044.0	2.366753	Y
6	ICIS 410-652703/18	100.0	227.149734	50.0	195687.0	2.271497	Y
7	IC 410-652703/19	250.0	562.748743	50.0	190156.0	2.250995	Y



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Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

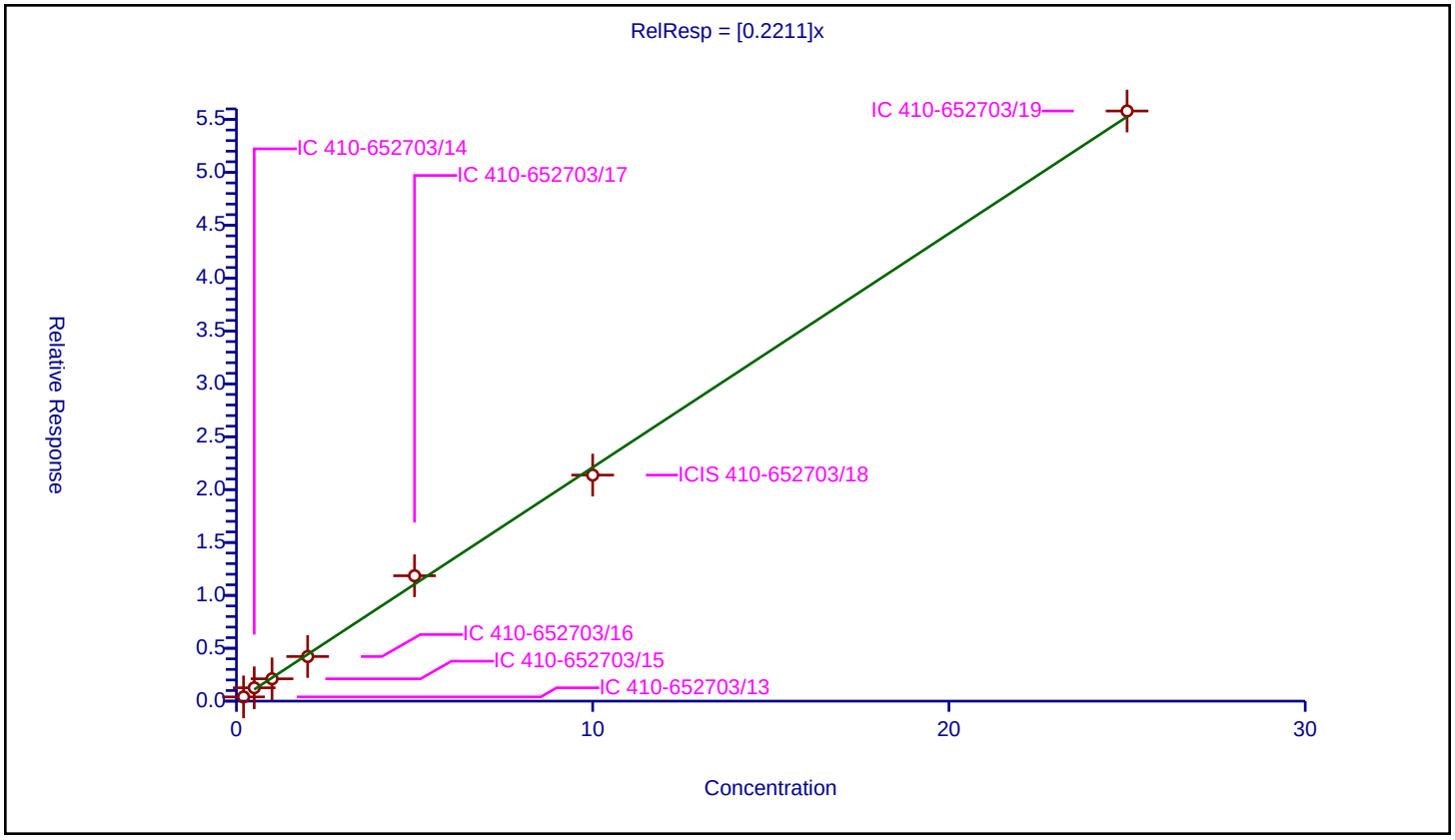
Curve Coefficients

Intercept:	0
Slope:	0.2211

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.039823	10.0	2284843.0	0.199117	Y
2	IC 410-652703/14	0.5	0.126033	10.0	2238774.0	0.252067	Y
3	IC 410-652703/15	1.0	0.21129	10.0	2276632.0	0.21129	Y
4	IC 410-652703/16	2.0	0.421757	10.0	2320746.0	0.210878	Y
5	IC 410-652703/17	5.0	1.185426	10.0	2313176.0	0.237085	Y
6	ICIS 410-652703/18	10.0	2.137418	10.0	2356745.0	0.213742	Y
7	IC 410-652703/19	25.0	5.580198	10.0	2383670.0	0.223208	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

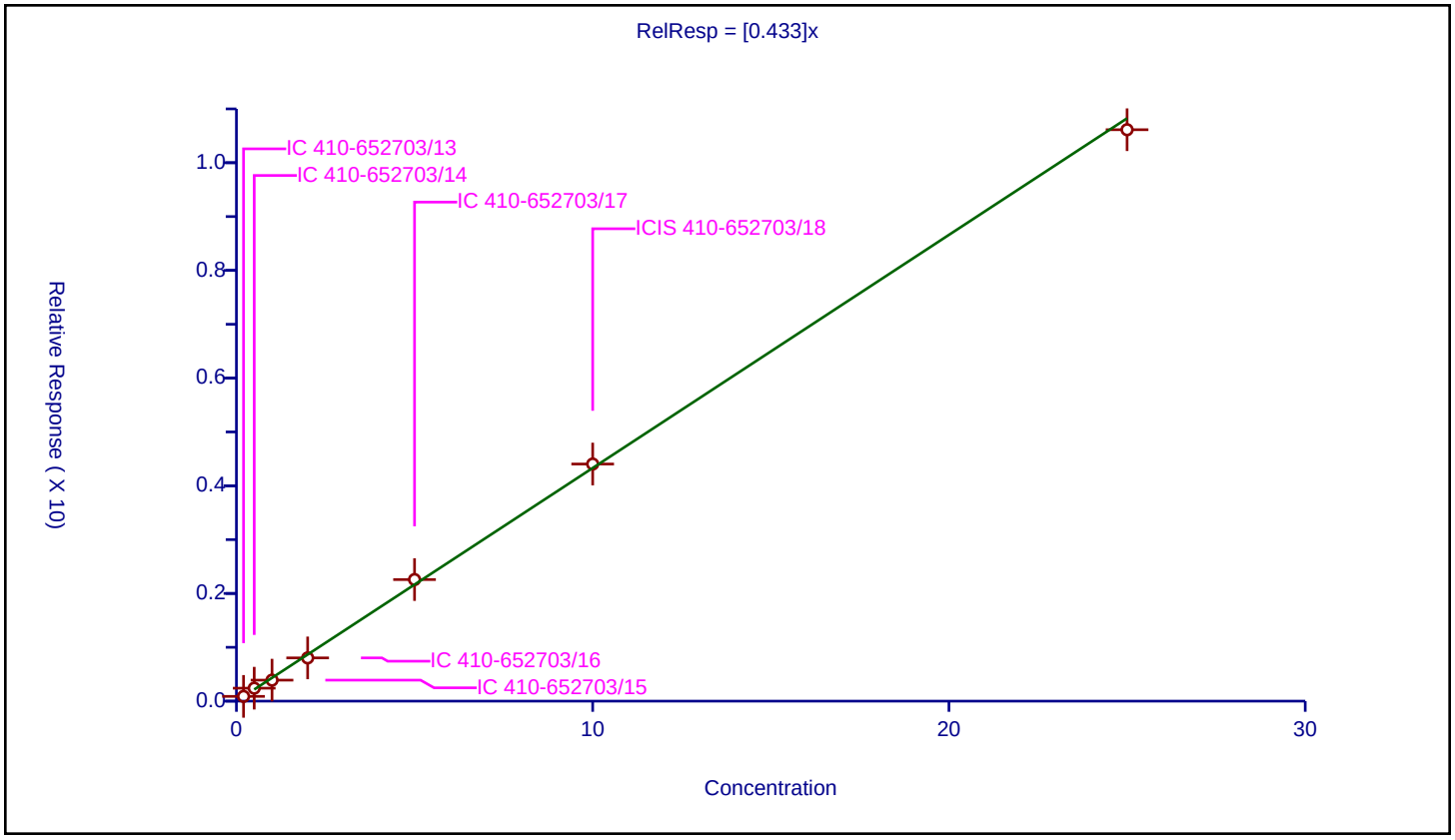
Curve Coefficients

Intercept:	0
Slope:	0.433

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.088164	10.0	2284843.0	0.440818	Y
2	IC 410-652703/14	0.5	0.240886	10.0	2238774.0	0.481773	Y
3	IC 410-652703/15	1.0	0.390296	10.0	2276632.0	0.390296	Y
4	IC 410-652703/16	2.0	0.803138	10.0	2320746.0	0.401569	Y
5	IC 410-652703/17	5.0	2.258047	10.0	2313176.0	0.451609	Y
6	ICIS 410-652703/18	10.0	4.403756	10.0	2356745.0	0.440376	Y
7	IC 410-652703/19	25.0	10.613336	10.0	2383670.0	0.424533	Y



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Calibration / Ethyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

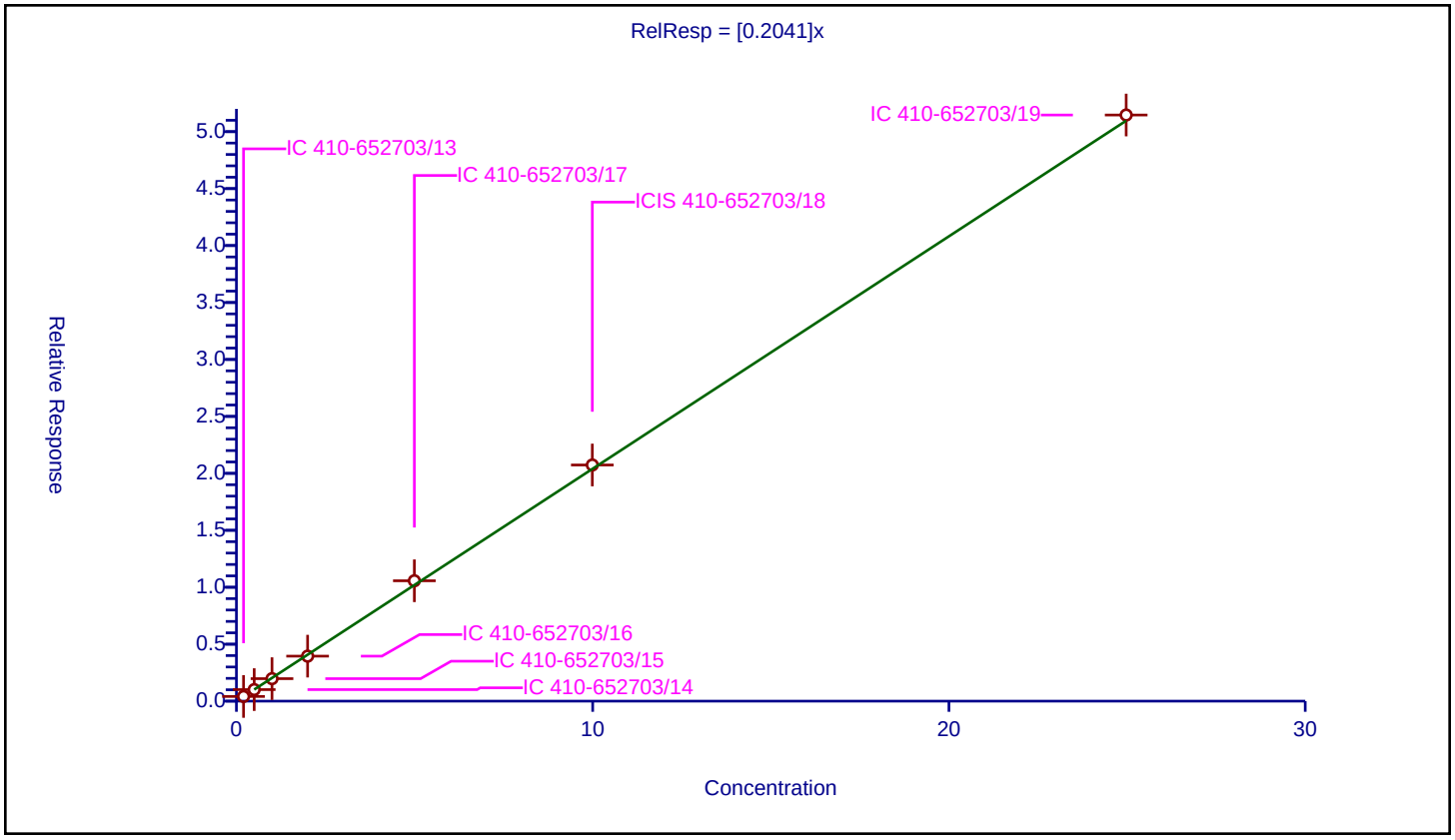
Curve Coefficients

Intercept:	0
Slope:	0.2041

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.199795	0.040926	10.0	2284843.0	0.204841	Y
2	IC 410-652703/14	0.499488	0.101408	10.0	2238774.0	0.203024	Y
3	IC 410-652703/15	0.998976	0.197392	10.0	2276632.0	0.197595	Y
4	IC 410-652703/16	1.997952	0.395101	10.0	2320746.0	0.197753	Y
5	IC 410-652703/17	4.99488	1.056846	10.0	2313176.0	0.211586	Y
6	ICIS 410-652703/18	9.98976	2.073343	10.0	2356745.0	0.207547	Y
7	IC 410-652703/19	24.9744	5.146212	10.0	2383670.0	0.206059	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

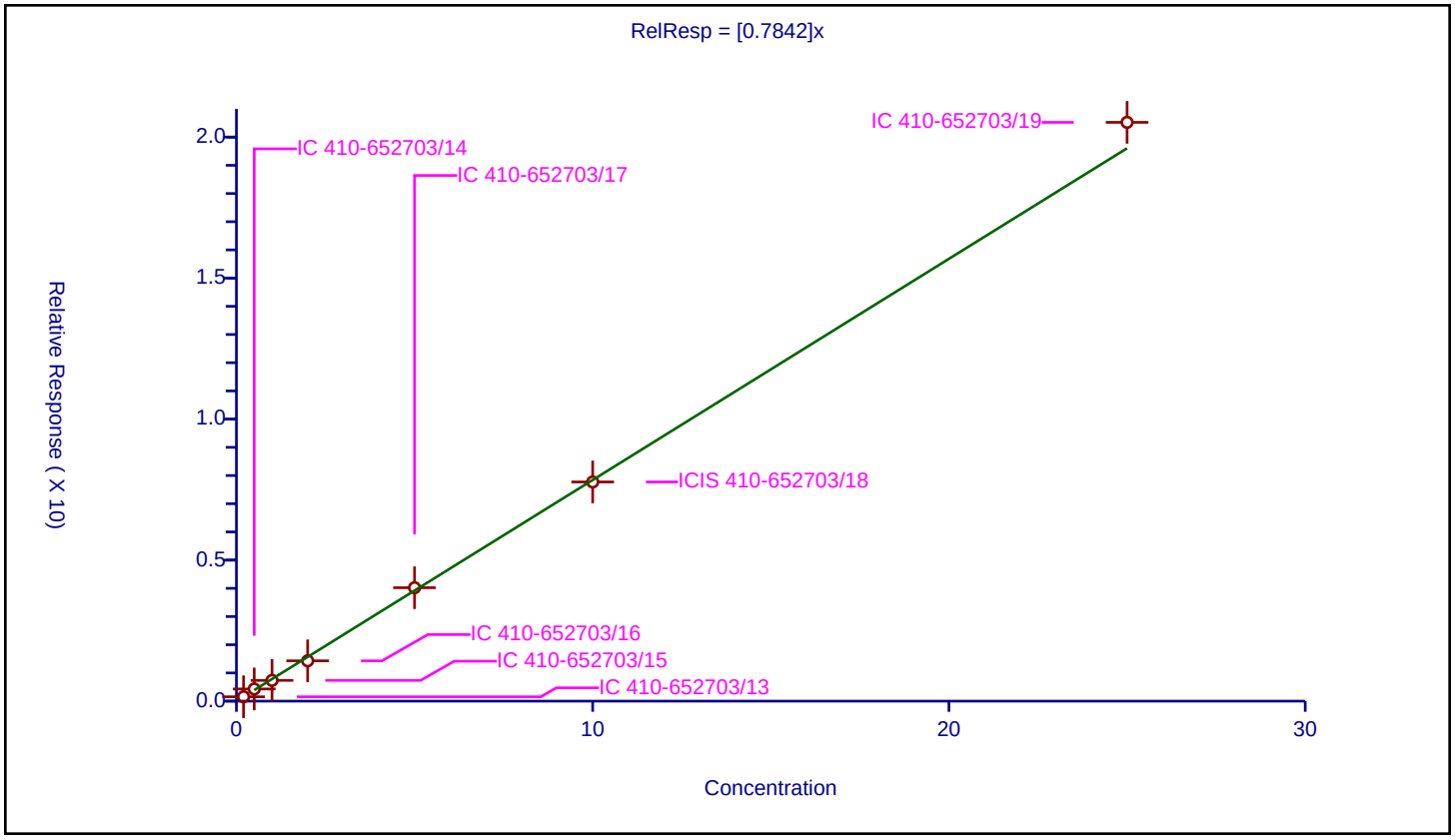
Curve Coefficients

Intercept:	0
Slope:	0.7842

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.154825	10.0	2284843.0	0.774123	Y
2	IC 410-652703/14	0.5	0.431303	10.0	2238774.0	0.862606	Y
3	IC 410-652703/15	1.0	0.735538	10.0	2276632.0	0.735538	Y
4	IC 410-652703/16	2.0	1.429092	10.0	2320746.0	0.714546	Y
5	IC 410-652703/17	5.0	4.021665	10.0	2313176.0	0.804333	Y
6	ICIS 410-652703/18	10.0	7.77188	10.0	2356745.0	0.777188	Y
7	IC 410-652703/19	25.0	20.523189	10.0	2383670.0	0.820928	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

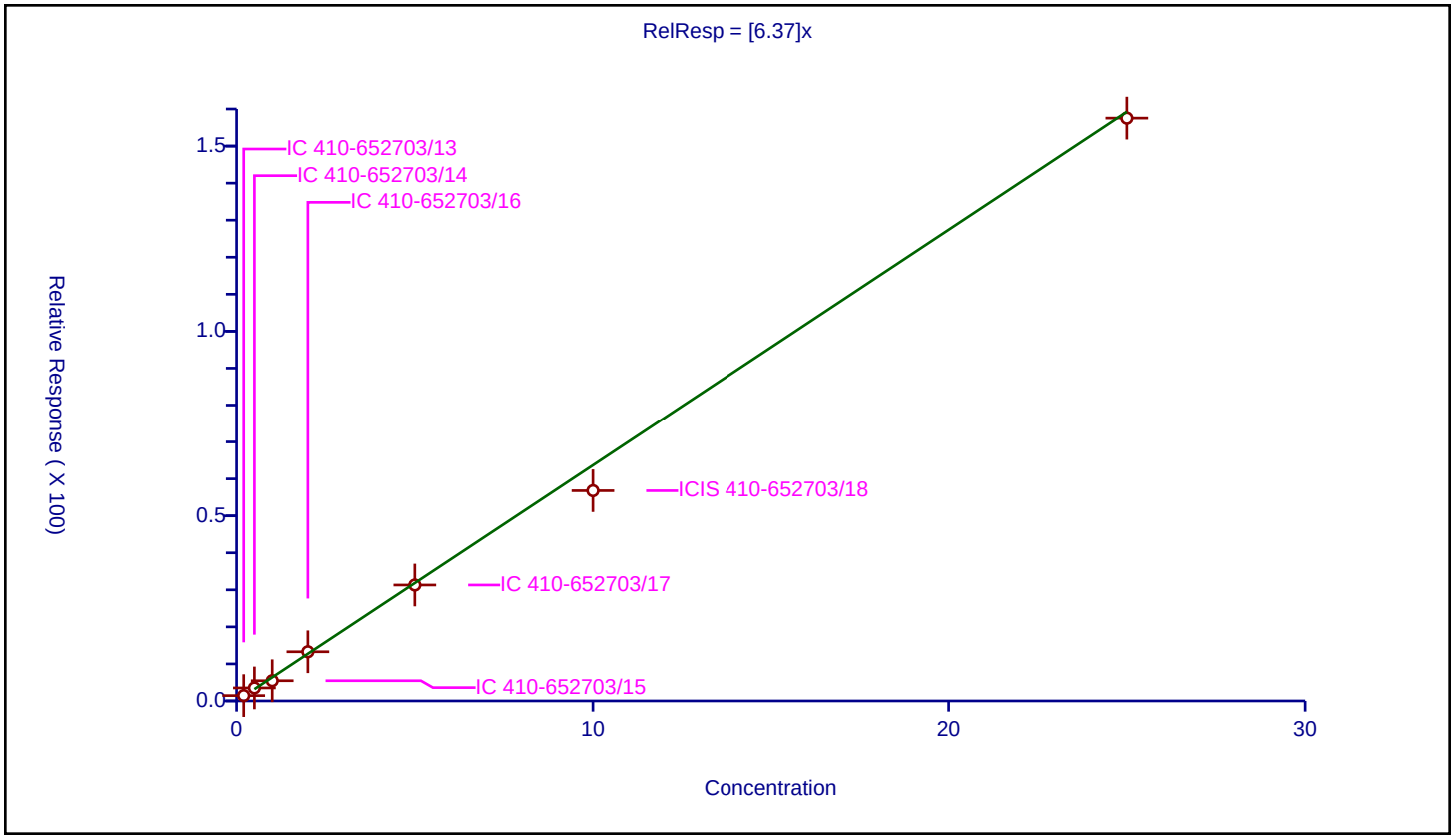
Curve Coefficients

Intercept:	0
Slope:	6.37

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	1.443767	50.0	176275.0	7.218834	Y
2	IC 410-652703/14	0.5	3.516439	50.0	174580.0	7.032879	Y
3	IC 410-652703/15	1.0	5.454572	50.0	173955.0	5.454572	Y
4	IC 410-652703/16	2.0	13.27907	50.0	202164.0	6.639535	Y
5	IC 410-652703/17	5.0	31.307295	50.0	195044.0	6.261459	Y
6	ICIS 410-652703/18	10.0	56.810621	50.0	195687.0	5.681062	Y
7	IC 410-652703/19	25.0	157.538547	50.0	190156.0	6.301542	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

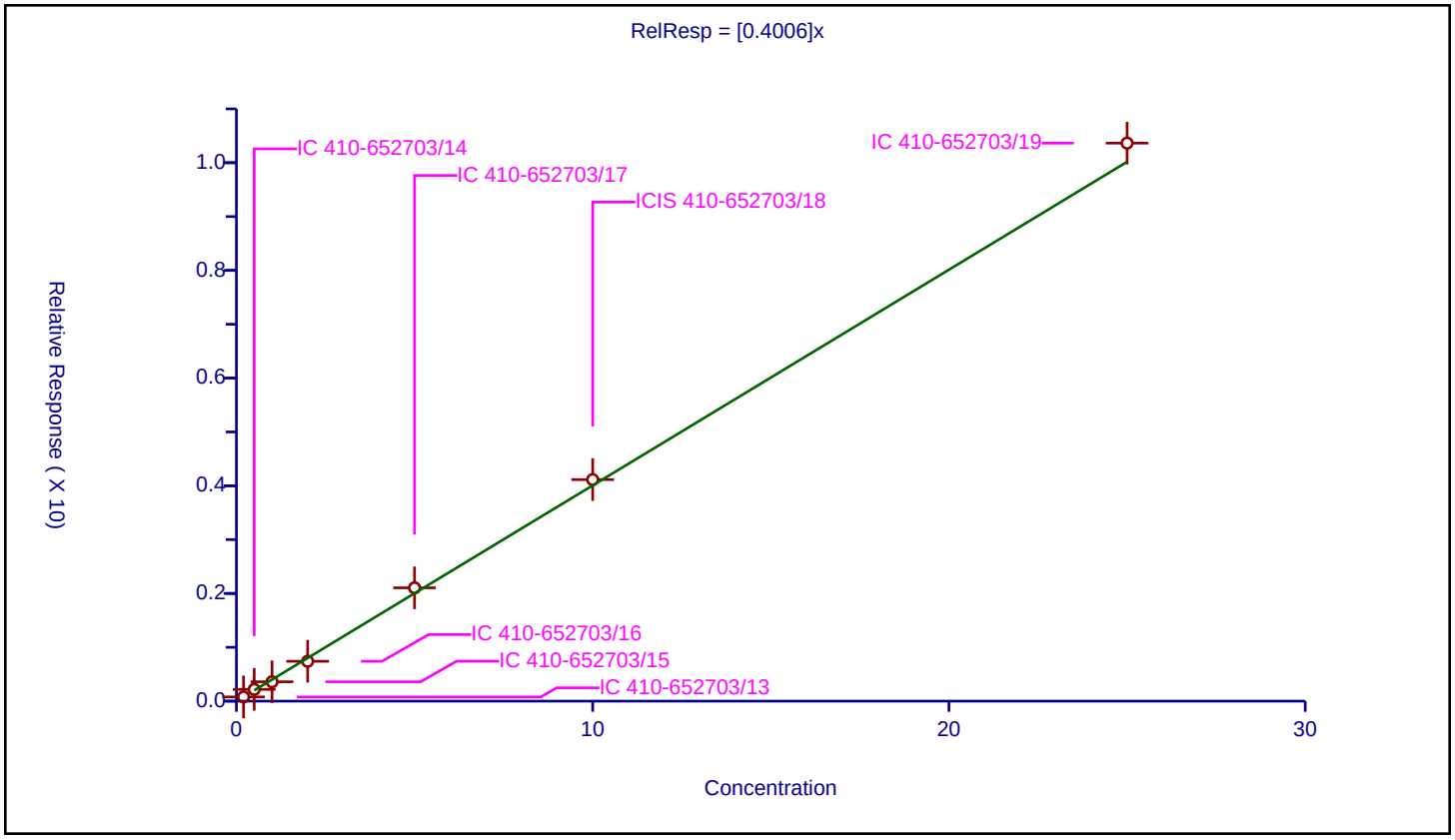
Curve Coefficients

Intercept:	0
Slope:	0.4006

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.07815	10.0	2284843.0	0.390749	Y
2	IC 410-652703/14	0.5	0.218638	10.0	2238774.0	0.437275	Y
3	IC 410-652703/15	1.0	0.359452	10.0	2276632.0	0.359452	Y
4	IC 410-652703/16	2.0	0.740292	10.0	2320746.0	0.370146	Y
5	IC 410-652703/17	5.0	2.104375	10.0	2313176.0	0.420875	Y
6	ICIS 410-652703/18	10.0	4.114527	10.0	2356745.0	0.411453	Y
7	IC 410-652703/19	25.0	10.364111	10.0	2383670.0	0.414564	Y



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Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

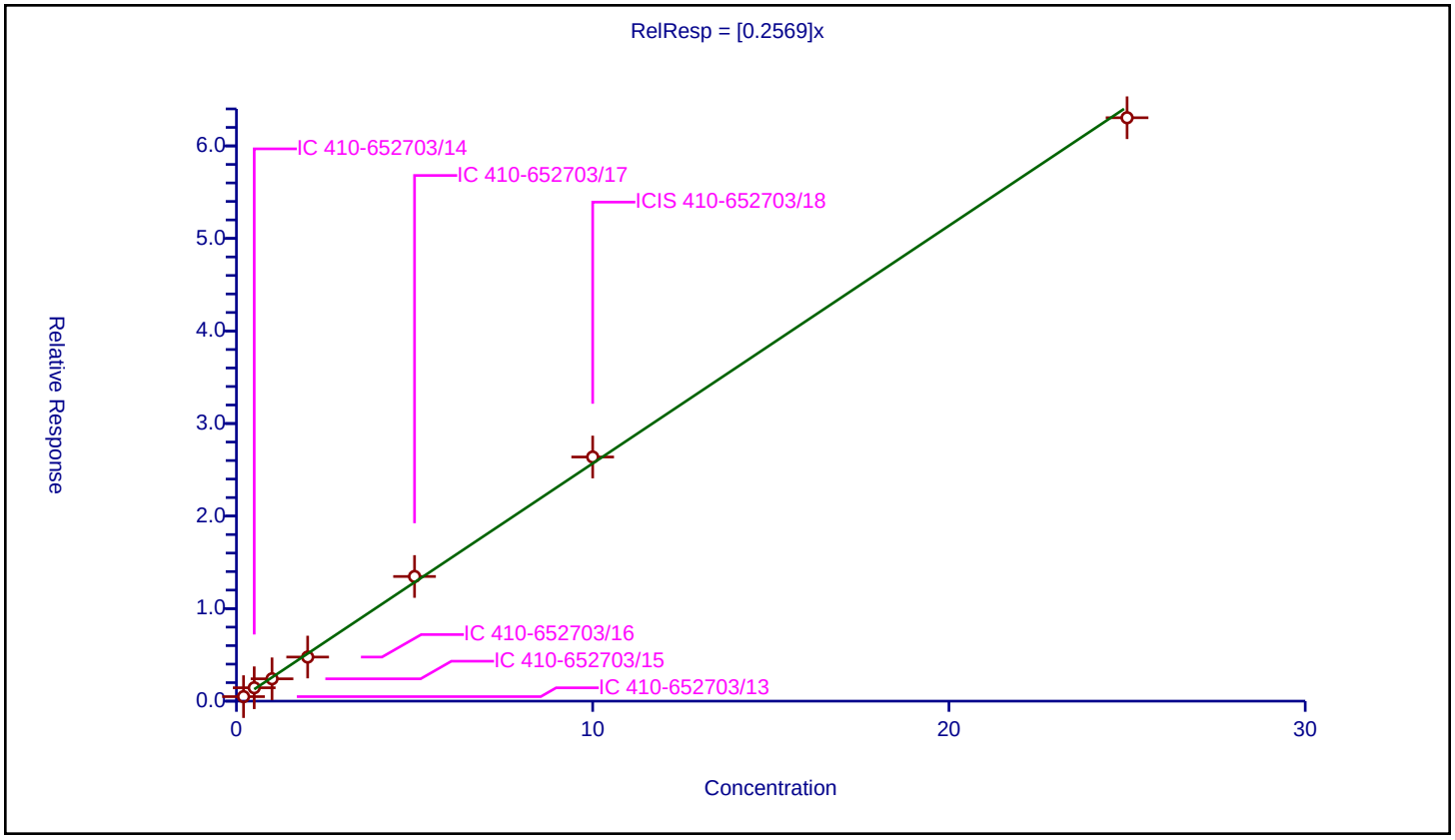
Curve Coefficients

Intercept:	0
Slope:	0.2569

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.048765	10.0	2284843.0	0.243824	Y
2	IC 410-652703/14	0.5	0.144646	10.0	2238774.0	0.289292	Y
3	IC 410-652703/15	1.0	0.241348	10.0	2276632.0	0.241348	Y
4	IC 410-652703/16	2.0	0.476368	10.0	2320746.0	0.238184	Y
5	IC 410-652703/17	5.0	1.347087	10.0	2313176.0	0.269417	Y
6	ICIS 410-652703/18	10.0	2.638228	10.0	2356745.0	0.263823	Y
7	IC 410-652703/19	25.0	6.304321	10.0	2383670.0	0.252173	Y



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Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

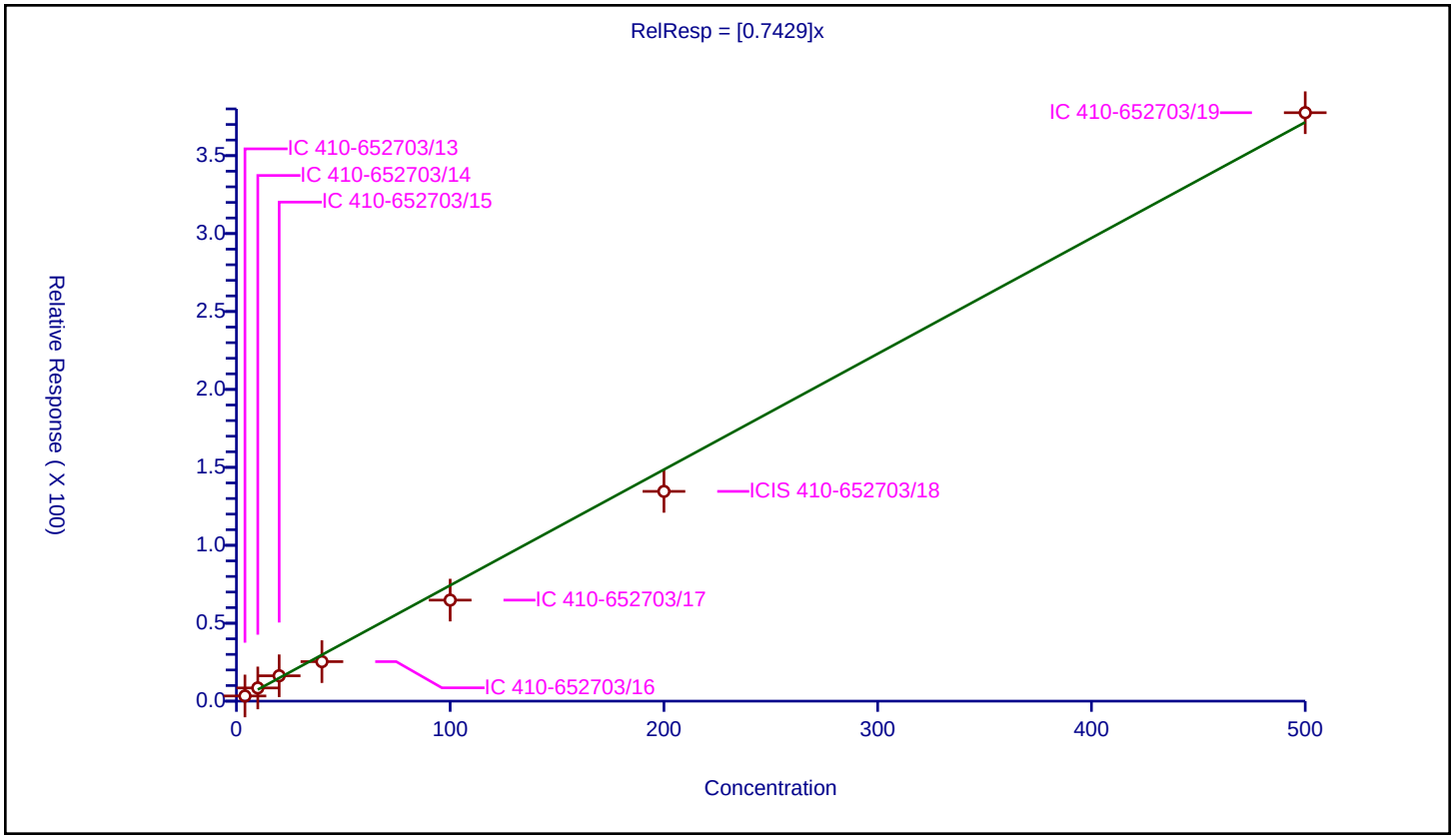
Curve Coefficients

Intercept:	0
Slope:	0.7429

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	4.0	3.317544	50.0	176275.0	0.829386	Y
2	IC 410-652703/14	10.0	8.464314	50.0	174580.0	0.846431	Y
3	IC 410-652703/15	20.0	16.281222	50.0	173955.0	0.814061	Y
4	IC 410-652703/16	40.0	25.353921	50.0	202164.0	0.633848	Y
5	IC 410-652703/17	100.0	64.828449	50.0	195044.0	0.648284	Y
6	ICIS 410-652703/18	200.0	134.578434	50.0	195687.0	0.672892	Y
7	IC 410-652703/19	500.0	377.560266	50.0	190156.0	0.755121	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

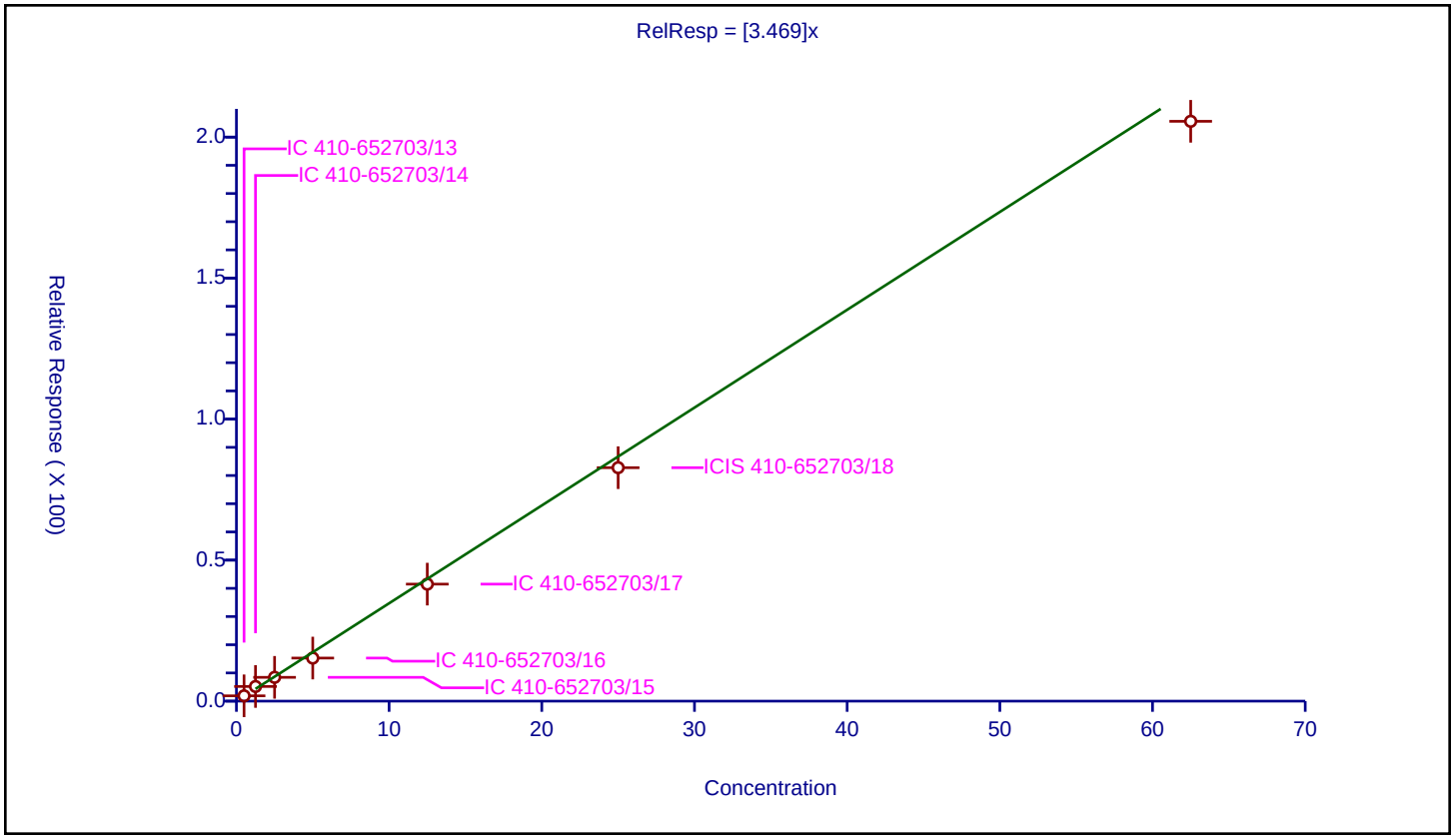
Curve Coefficients

Intercept:	0
Slope:	3.469

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.5	1.887959	50.0	176275.0	3.775918	Y
2	IC 410-652703/14	1.25	5.196758	50.0	174580.0	4.157406	Y
3	IC 410-652703/15	2.5	8.435802	50.0	173955.0	3.374321	Y
4	IC 410-652703/16	5.0	15.279179	50.0	202164.0	3.055836	Y
5	IC 410-652703/17	12.5	41.490125	50.0	195044.0	3.31921	Y
6	ICIS 410-652703/18	25.0	82.784498	50.0	195687.0	3.31138	Y
7	IC 410-652703/19	62.5	205.595143	50.0	190156.0	3.289522	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

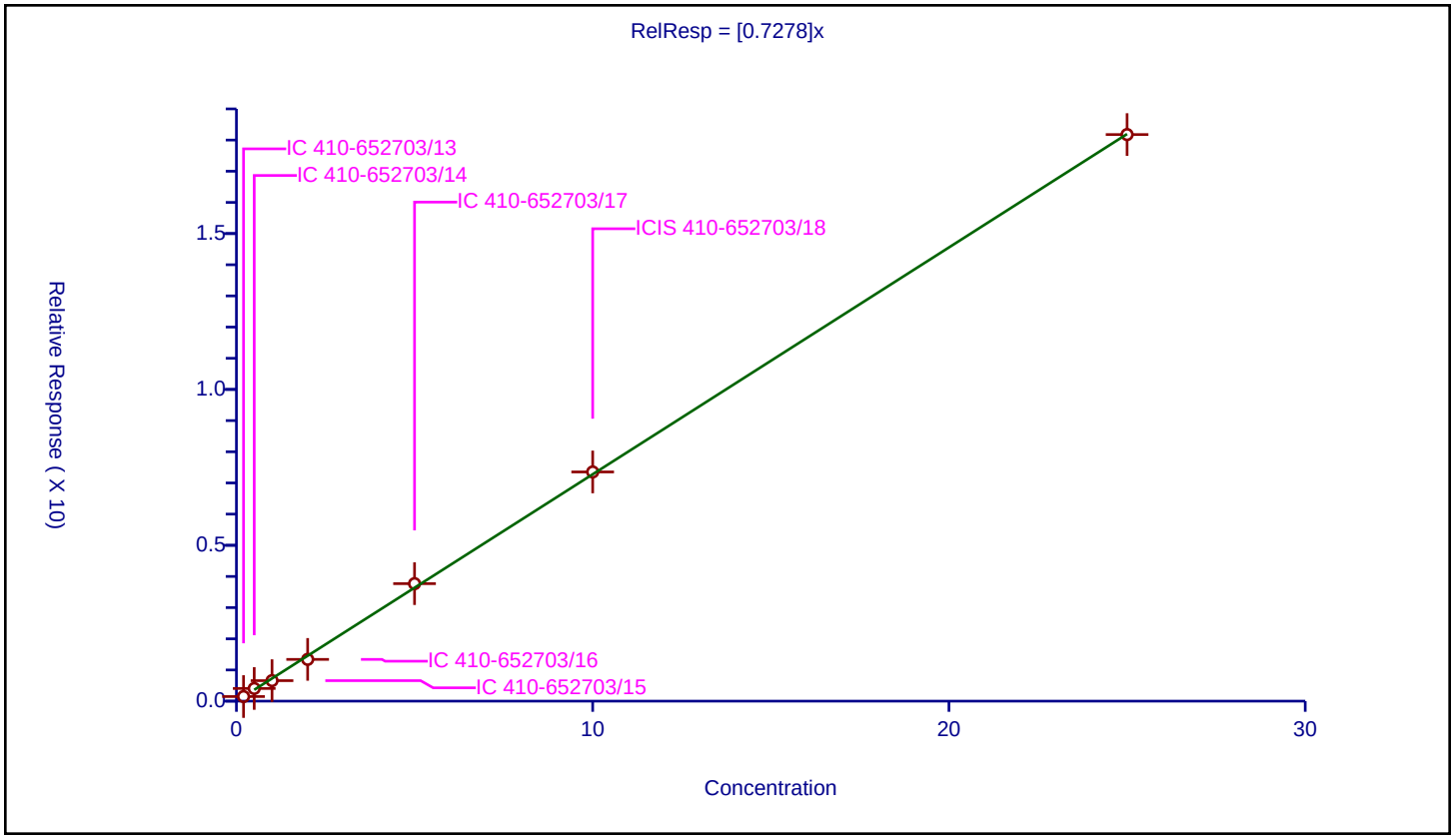
Curve Coefficients

Intercept:	0
Slope:	0.7278

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.147804	10.0	2284843.0	0.739022	Y
2	IC 410-652703/14	0.5	0.405892	10.0	2238774.0	0.811784	Y
3	IC 410-652703/15	1.0	0.657752	10.0	2276632.0	0.657752	Y
4	IC 410-652703/16	2.0	1.339401	10.0	2320746.0	0.669701	Y
5	IC 410-652703/17	5.0	3.76919	10.0	2313176.0	0.753838	Y
6	ICIS 410-652703/18	10.0	7.352573	10.0	2356745.0	0.735257	Y
7	IC 410-652703/19	25.0	18.1763	10.0	2383670.0	0.727052	Y



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Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

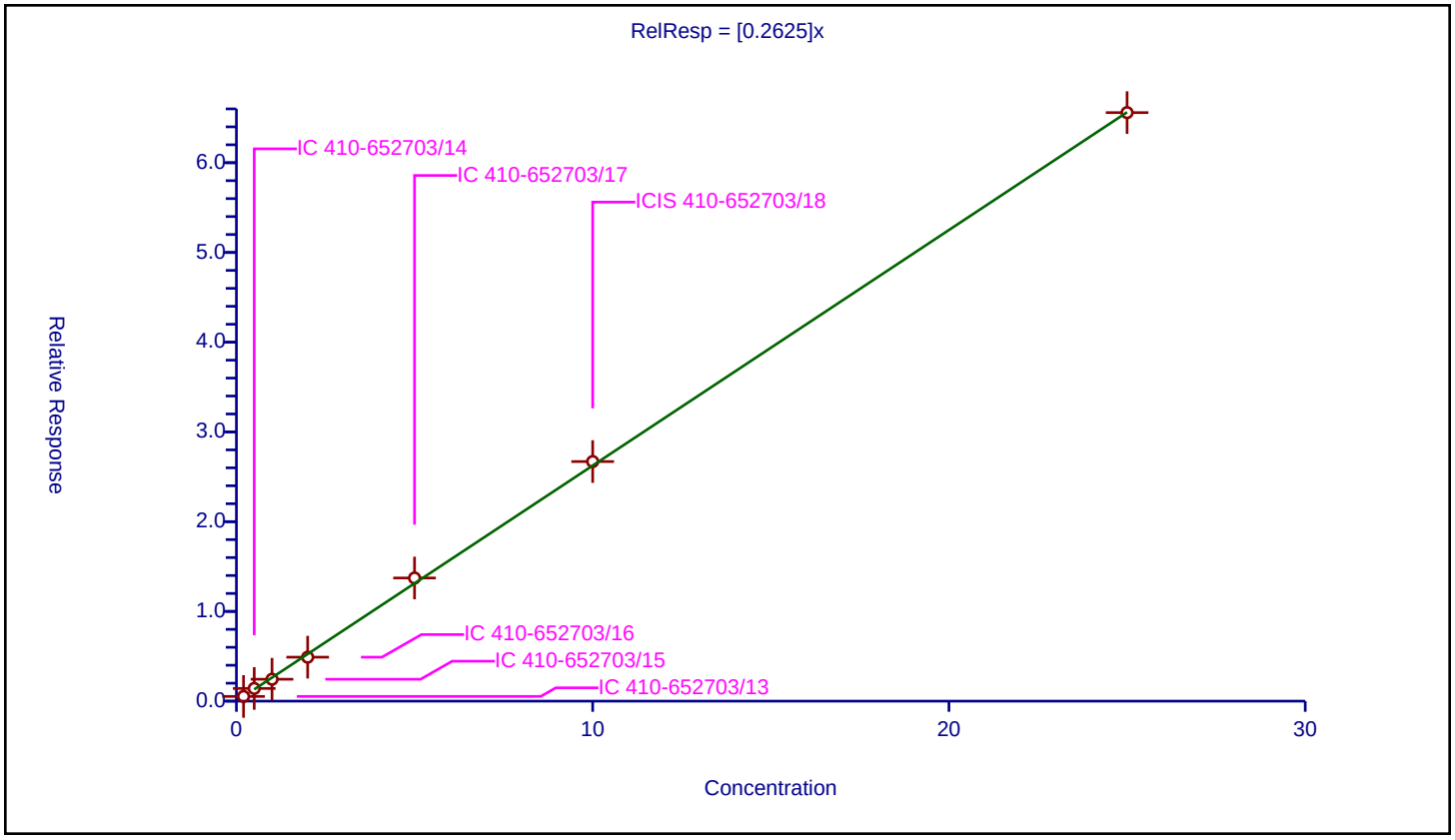
Curve Coefficients

Intercept:	0
Slope:	0.2625

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.052367	10.0	2284843.0	0.261834	Y
2	IC 410-652703/14	0.5	0.14147	10.0	2238774.0	0.282941	Y
3	IC 410-652703/15	1.0	0.24401	10.0	2276632.0	0.24401	Y
4	IC 410-652703/16	2.0	0.489877	10.0	2320746.0	0.244938	Y
5	IC 410-652703/17	5.0	1.372295	10.0	2313176.0	0.274459	Y
6	ICIS 410-652703/18	10.0	2.670089	10.0	2356745.0	0.267009	Y
7	IC 410-652703/19	25.0	6.558349	10.0	2383670.0	0.262334	Y



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Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

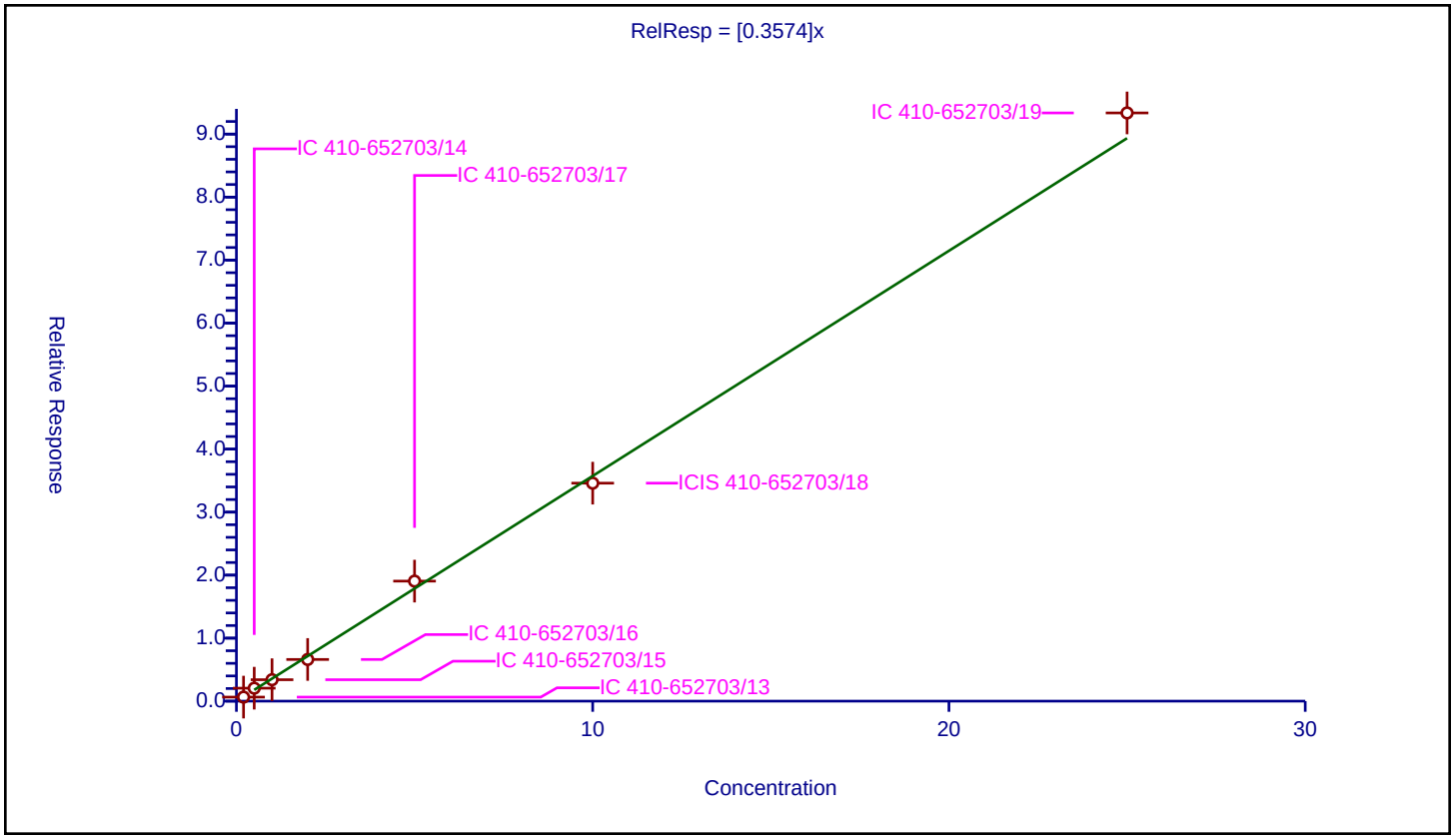
Curve Coefficients

Intercept:	0
Slope:	0.3574

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.063856	10.0	2284843.0	0.319278	Y
2	IC 410-652703/14	0.5	0.205563	10.0	2238774.0	0.411127	Y
3	IC 410-652703/15	1.0	0.340196	10.0	2276632.0	0.340196	Y
4	IC 410-652703/16	2.0	0.661266	10.0	2320746.0	0.330633	Y
5	IC 410-652703/17	5.0	1.905043	10.0	2313176.0	0.381009	Y
6	ICIS 410-652703/18	10.0	3.459785	10.0	2356745.0	0.345978	Y
7	IC 410-652703/19	25.0	9.335843	10.0	2383670.0	0.373434	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

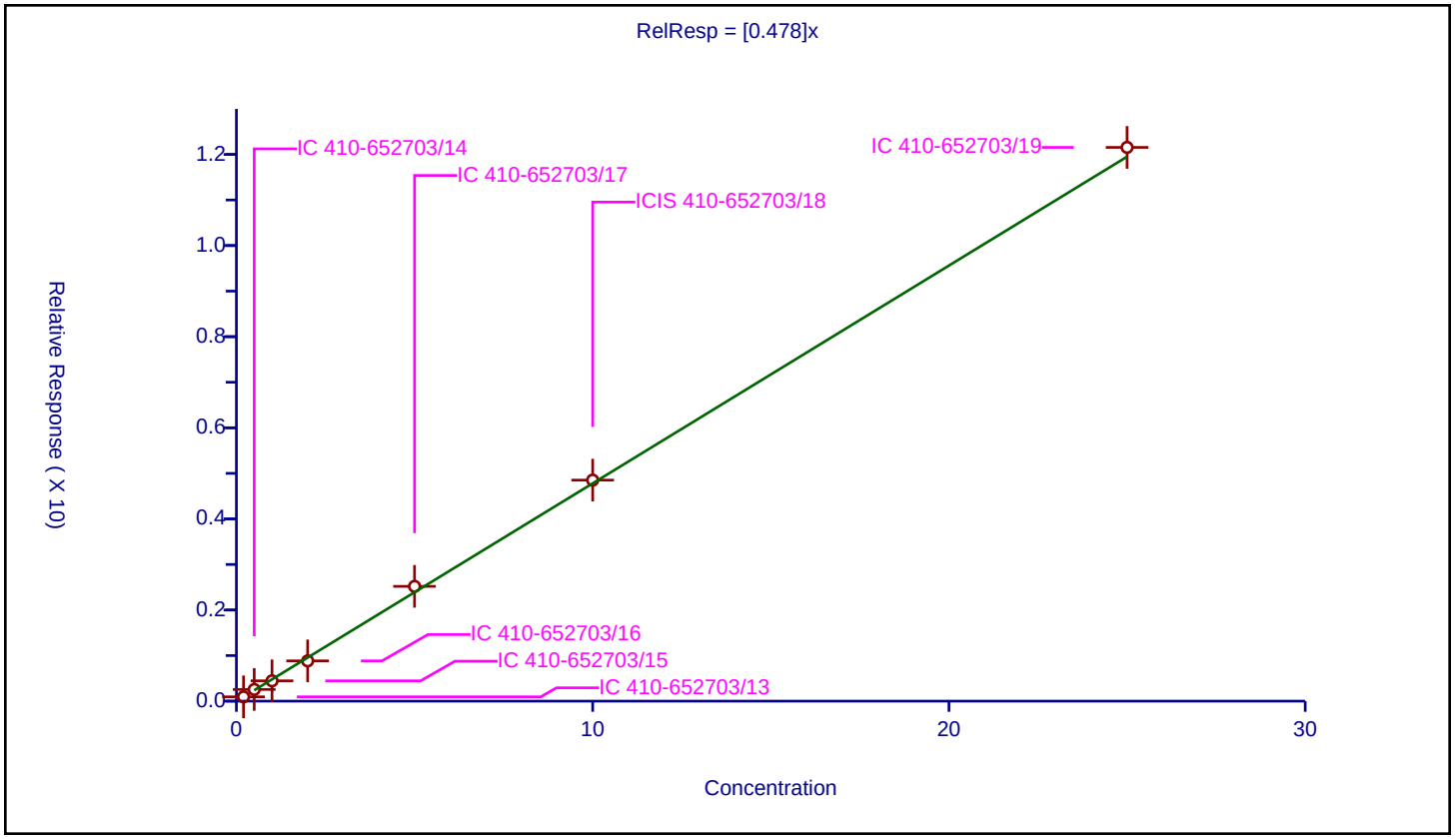
Curve Coefficients

Intercept:	0
Slope:	0.478

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.094147	10.0	2284843.0	0.470733	Y
2	IC 410-652703/14	0.5	0.256453	10.0	2238774.0	0.512906	Y
3	IC 410-652703/15	1.0	0.445496	10.0	2276632.0	0.445496	Y
4	IC 410-652703/16	2.0	0.883841	10.0	2320746.0	0.44192	Y
5	IC 410-652703/17	5.0	2.519268	10.0	2313176.0	0.503854	Y
6	ICIS 410-652703/18	10.0	4.851289	10.0	2356745.0	0.485129	Y
7	IC 410-652703/19	25.0	12.154547	10.0	2383670.0	0.486182	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

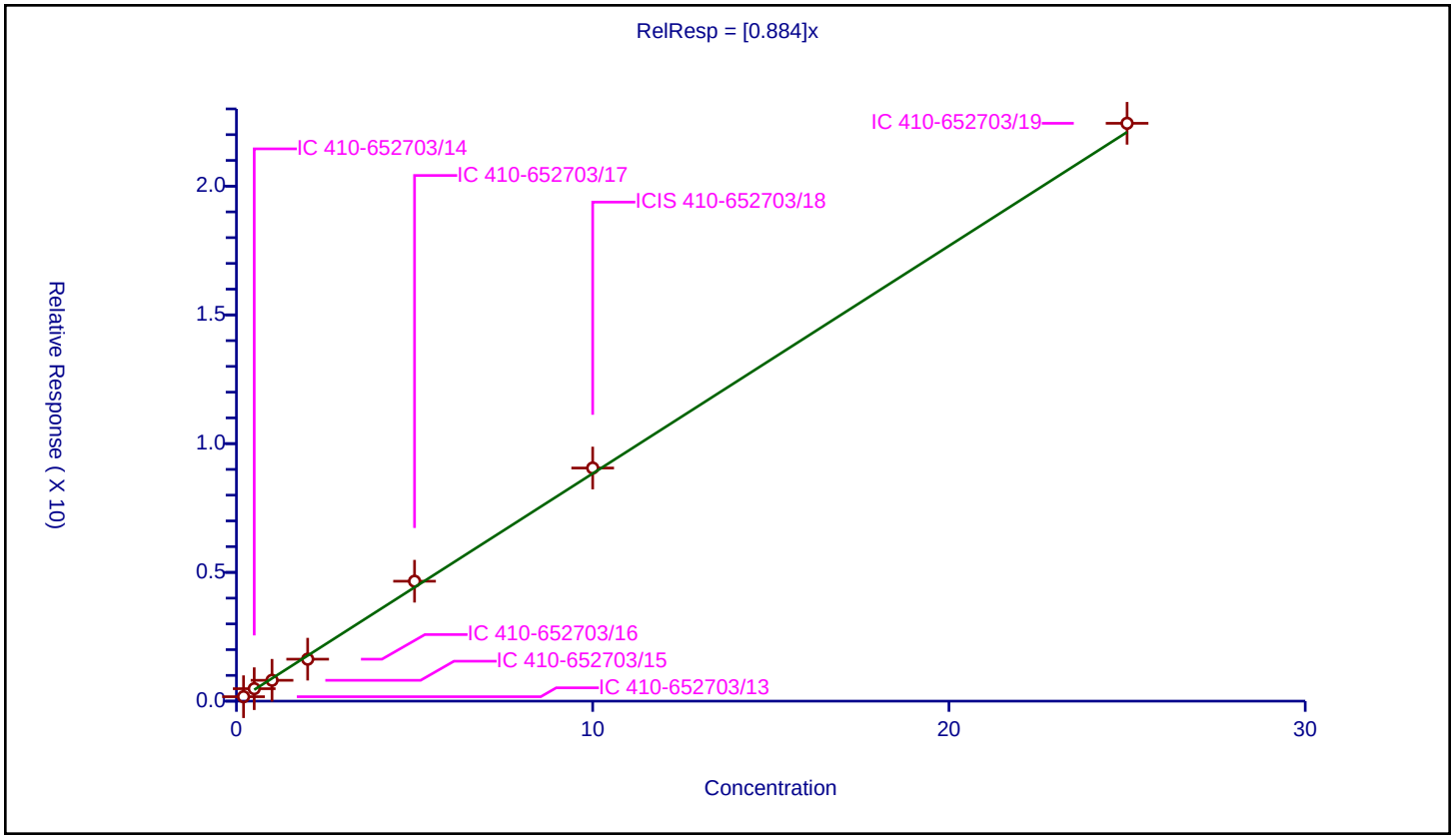
Curve Coefficients

Intercept:	0
Slope:	0.884

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.17252	10.0	2284843.0	0.862598	Y
2	IC 410-652703/14	0.5	0.483081	10.0	2238774.0	0.966163	Y
3	IC 410-652703/15	1.0	0.809727	10.0	2276632.0	0.809727	Y
4	IC 410-652703/16	2.0	1.629666	10.0	2320746.0	0.814833	Y
5	IC 410-652703/17	5.0	4.657194	10.0	2313176.0	0.931439	Y
6	ICIS 410-652703/18	10.0	9.053296	10.0	2356745.0	0.90533	Y
7	IC 410-652703/19	25.0	22.44048	10.0	2383670.0	0.897619	Y



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Calibration / 2-Chloro-1,3-butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

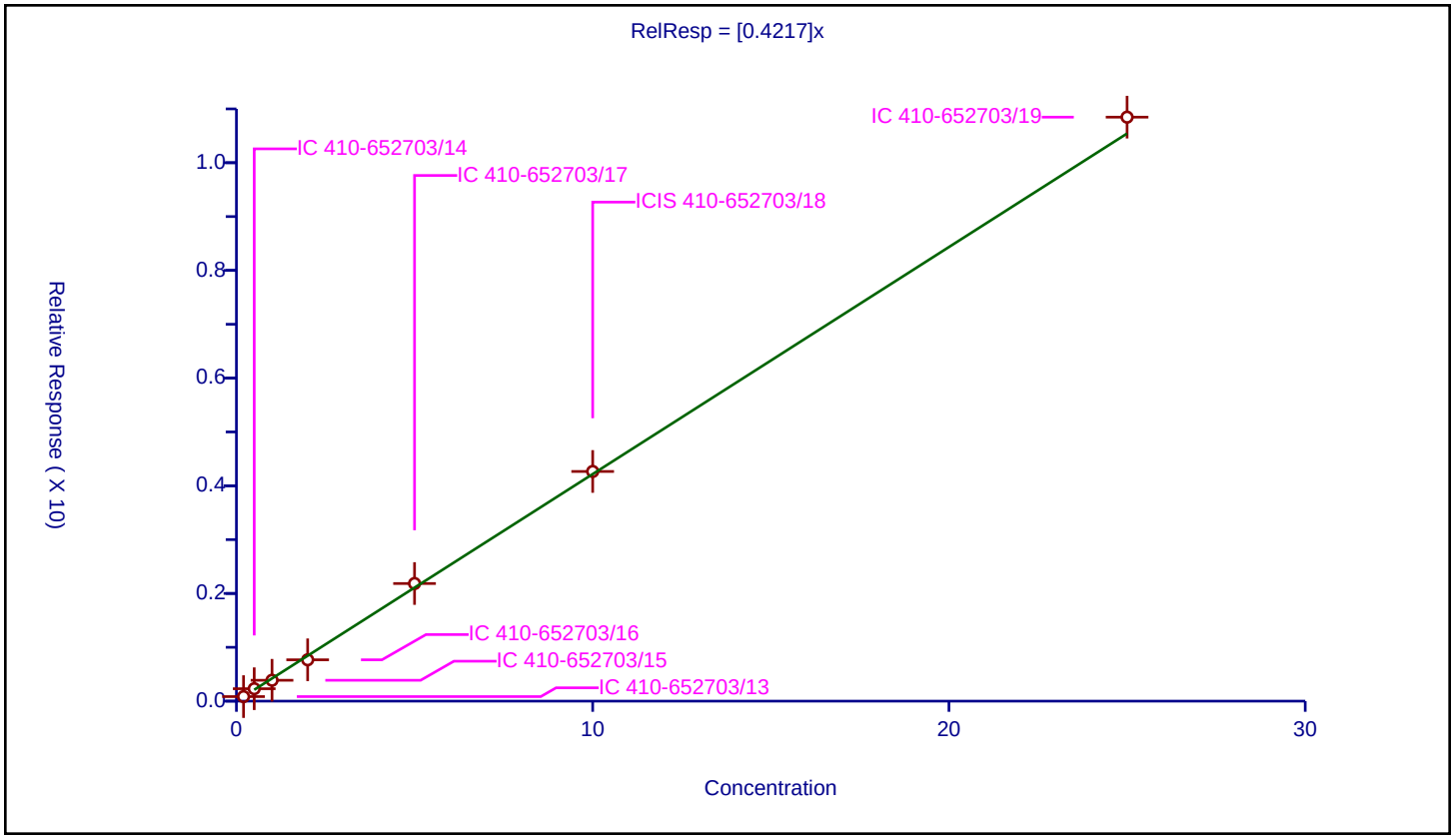
Curve Coefficients

Intercept:	0
Slope:	0.4217

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.084273	10.0	2284843.0	0.421364	Y
2	IC 410-652703/14	0.5	0.230698	10.0	2238774.0	0.461395	Y
3	IC 410-652703/15	1.0	0.387814	10.0	2276632.0	0.387814	Y
4	IC 410-652703/16	2.0	0.767891	10.0	2320746.0	0.383946	Y
5	IC 410-652703/17	5.0	2.18465	10.0	2313176.0	0.43693	Y
6	ICIS 410-652703/18	10.0	4.265786	10.0	2356745.0	0.426579	Y
7	IC 410-652703/19	25.0	10.846548	10.0	2383670.0	0.433862	Y



Calibration / Tert-butyl ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

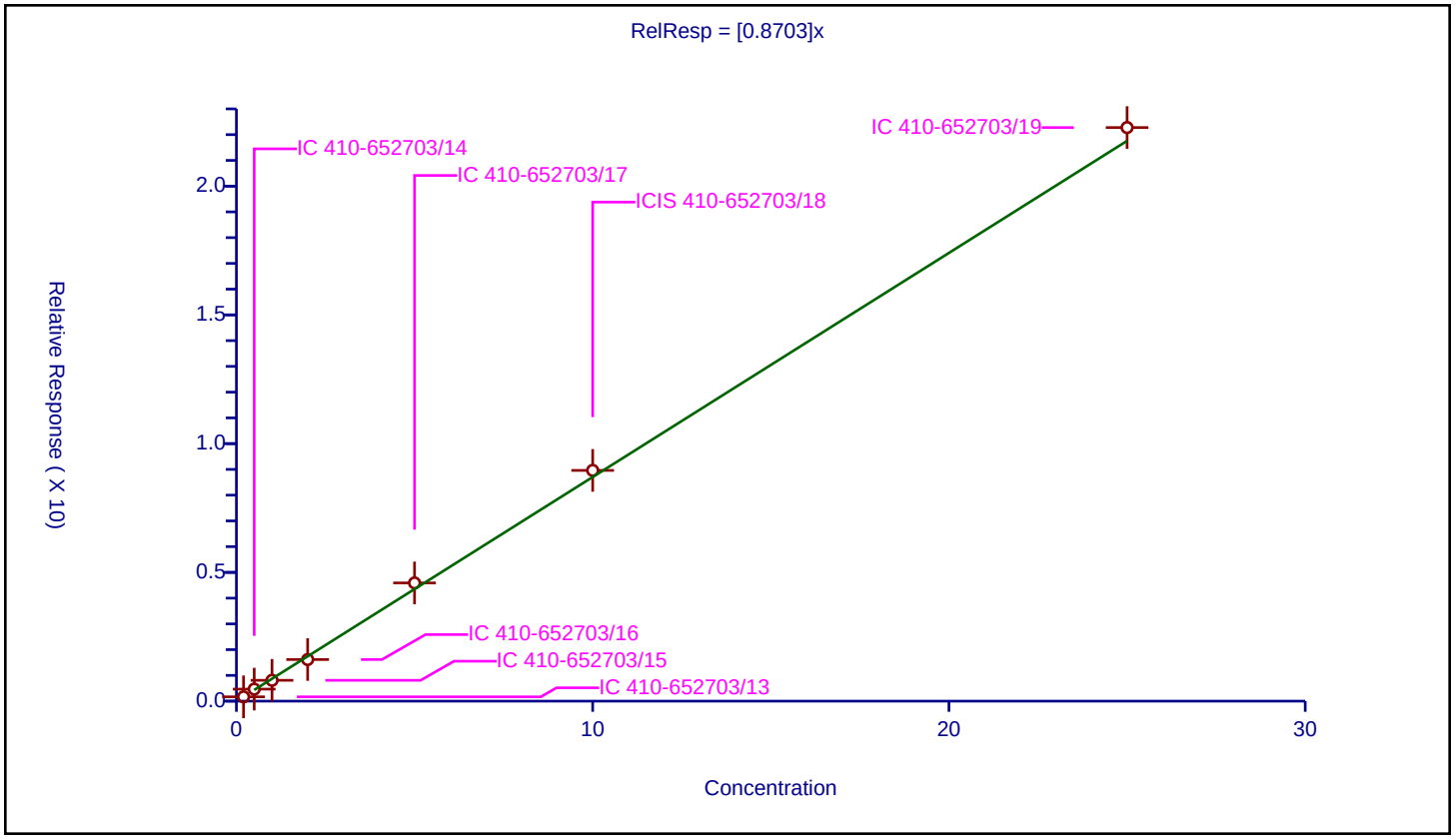
Curve Coefficients

Intercept:	0
Slope:	0.8703

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.167289	10.0	2284843.0	0.836447	Y
2	IC 410-652703/14	0.5	0.46659	10.0	2238774.0	0.93318	Y
3	IC 410-652703/15	1.0	0.809454	10.0	2276632.0	0.809454	Y
4	IC 410-652703/16	2.0	1.615713	10.0	2320746.0	0.807857	Y
5	IC 410-652703/17	5.0	4.590896	10.0	2313176.0	0.918179	Y
6	ICIS 410-652703/18	10.0	8.961283	10.0	2356745.0	0.896128	Y
7	IC 410-652703/19	25.0	22.274833	10.0	2383670.0	0.890993	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

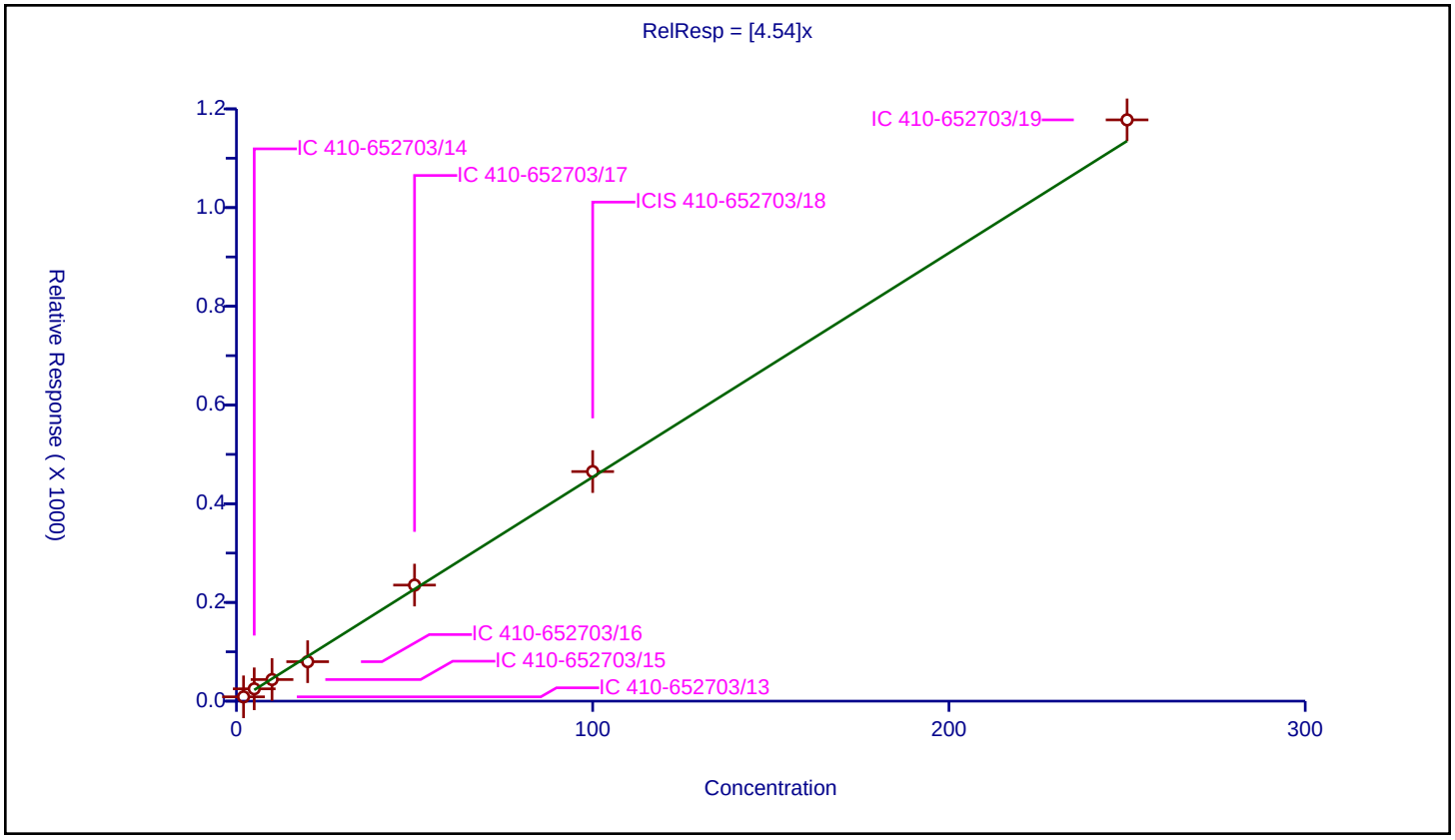
Curve Coefficients

Intercept:	0
Slope:	4.54

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	8.698057	50.0	176275.0	4.349029	Y
2	IC 410-652703/14	5.0	24.970214	50.0	174580.0	4.994043	Y
3	IC 410-652703/15	10.0	43.7297	50.0	173955.0	4.37297	Y
4	IC 410-652703/16	20.0	79.961071	50.0	202164.0	3.998054	Y
5	IC 410-652703/17	50.0	235.160015	50.0	195044.0	4.7032	Y
6	ICIS 410-652703/18	100.0	465.15558	50.0	195687.0	4.651556	Y
7	IC 410-652703/19	250.0	1177.742485	50.0	190156.0	4.71097	Y



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Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

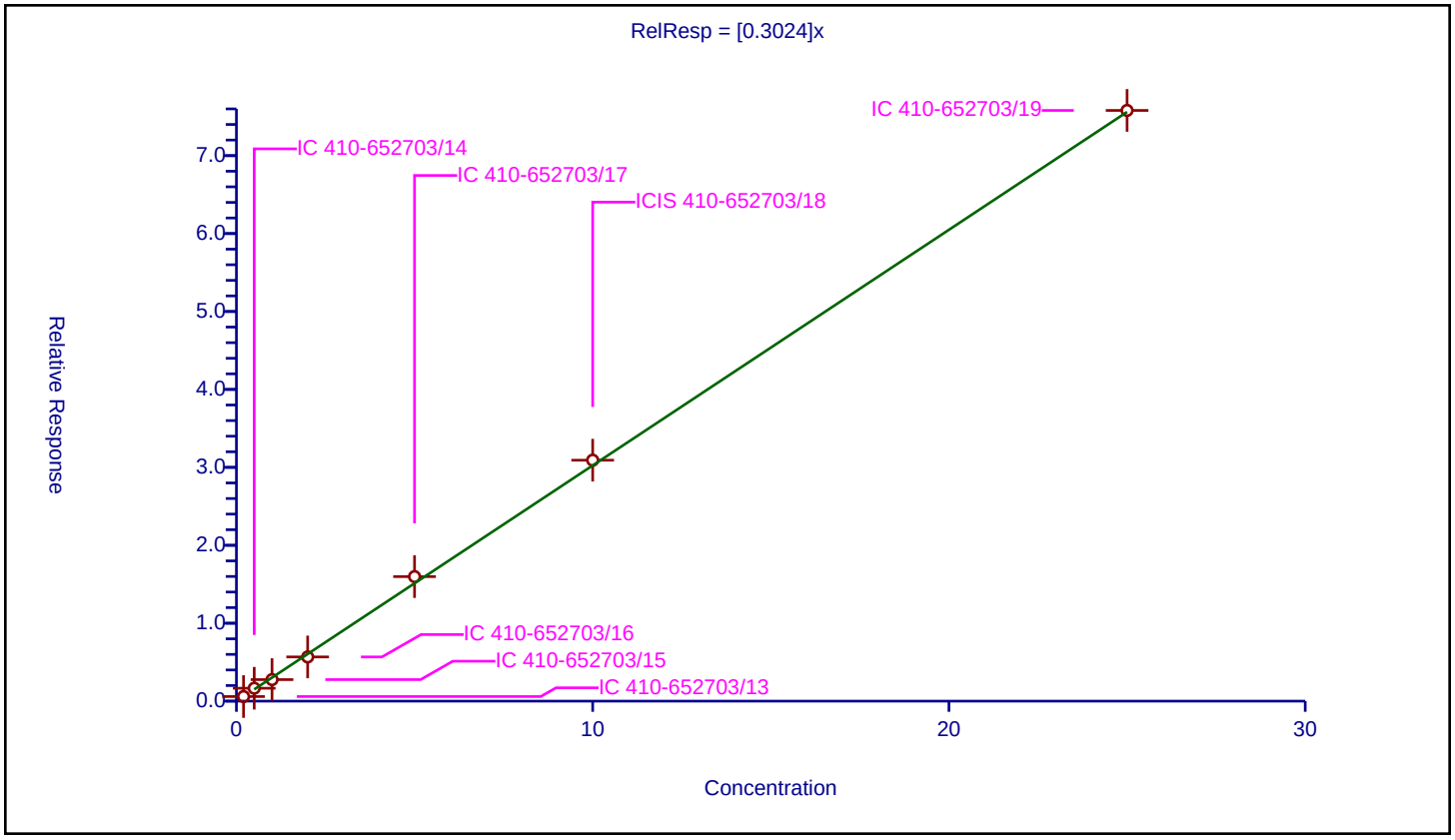
Curve Coefficients

Intercept:	0
Slope:	0.3024

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.058814	10.0	2284843.0	0.294068	Y
2	IC 410-652703/14	0.5	0.165555	10.0	2238774.0	0.33111	Y
3	IC 410-652703/15	1.0	0.276263	10.0	2276632.0	0.276263	Y
4	IC 410-652703/16	2.0	0.567162	10.0	2320746.0	0.283581	Y
5	IC 410-652703/17	5.0	1.597916	10.0	2313176.0	0.319583	Y
6	ICIS 410-652703/18	10.0	3.091989	10.0	2356745.0	0.309199	Y
7	IC 410-652703/19	25.0	7.580076	10.0	2383670.0	0.303203	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

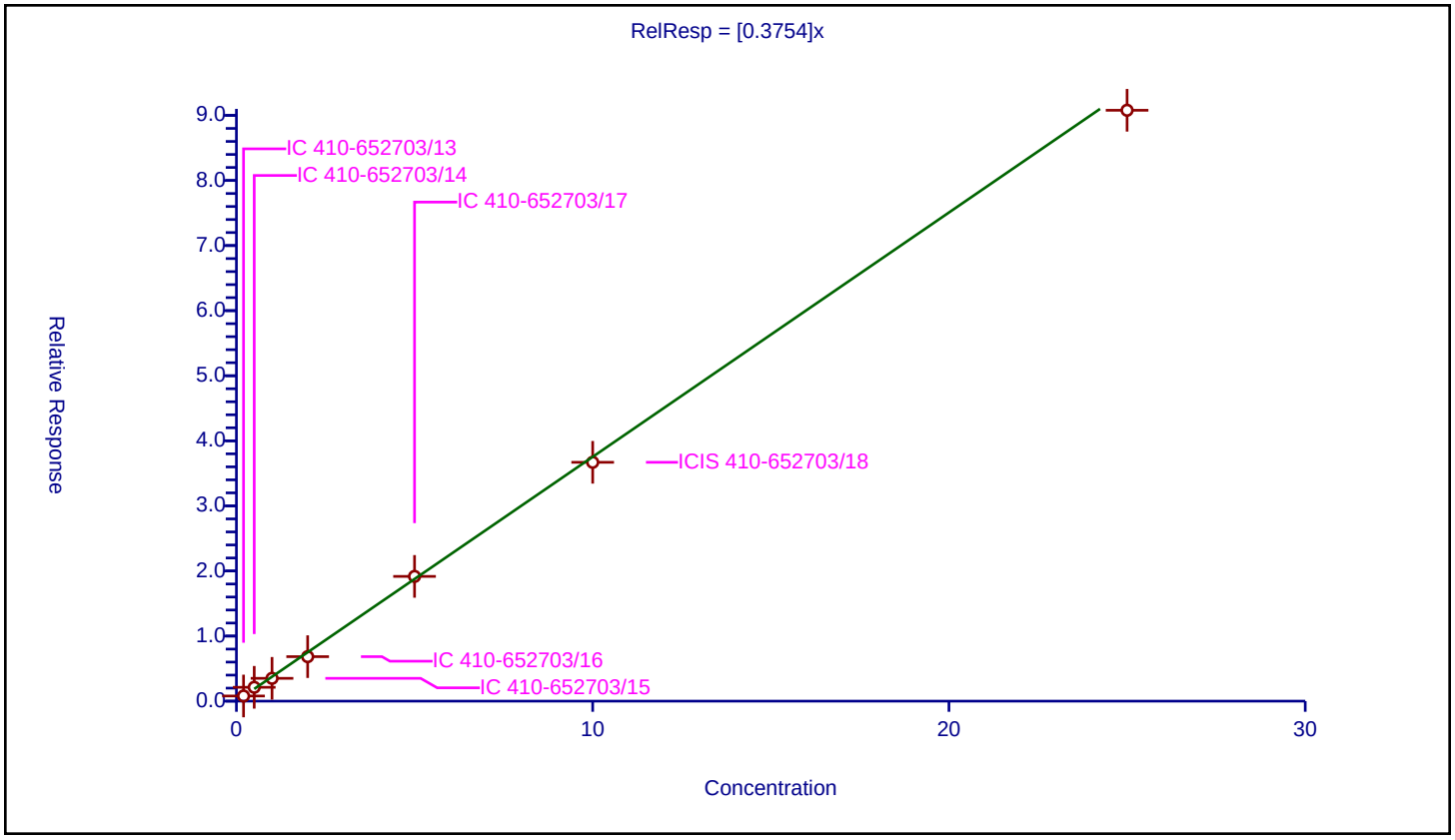
Curve Coefficients

Intercept:	0
Slope:	0.3754

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.079358	10.0	2284843.0	0.396789	Y
2	IC 410-652703/14	0.5	0.212599	10.0	2238774.0	0.425197	Y
3	IC 410-652703/15	1.0	0.350325	10.0	2276632.0	0.350325	Y
4	IC 410-652703/16	2.0	0.683784	10.0	2320746.0	0.341892	Y
5	IC 410-652703/17	5.0	1.916599	10.0	2313176.0	0.38332	Y
6	ICIS 410-652703/18	10.0	3.669952	10.0	2356745.0	0.366995	Y
7	IC 410-652703/19	25.0	9.078757	10.0	2383670.0	0.36315	Y



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Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

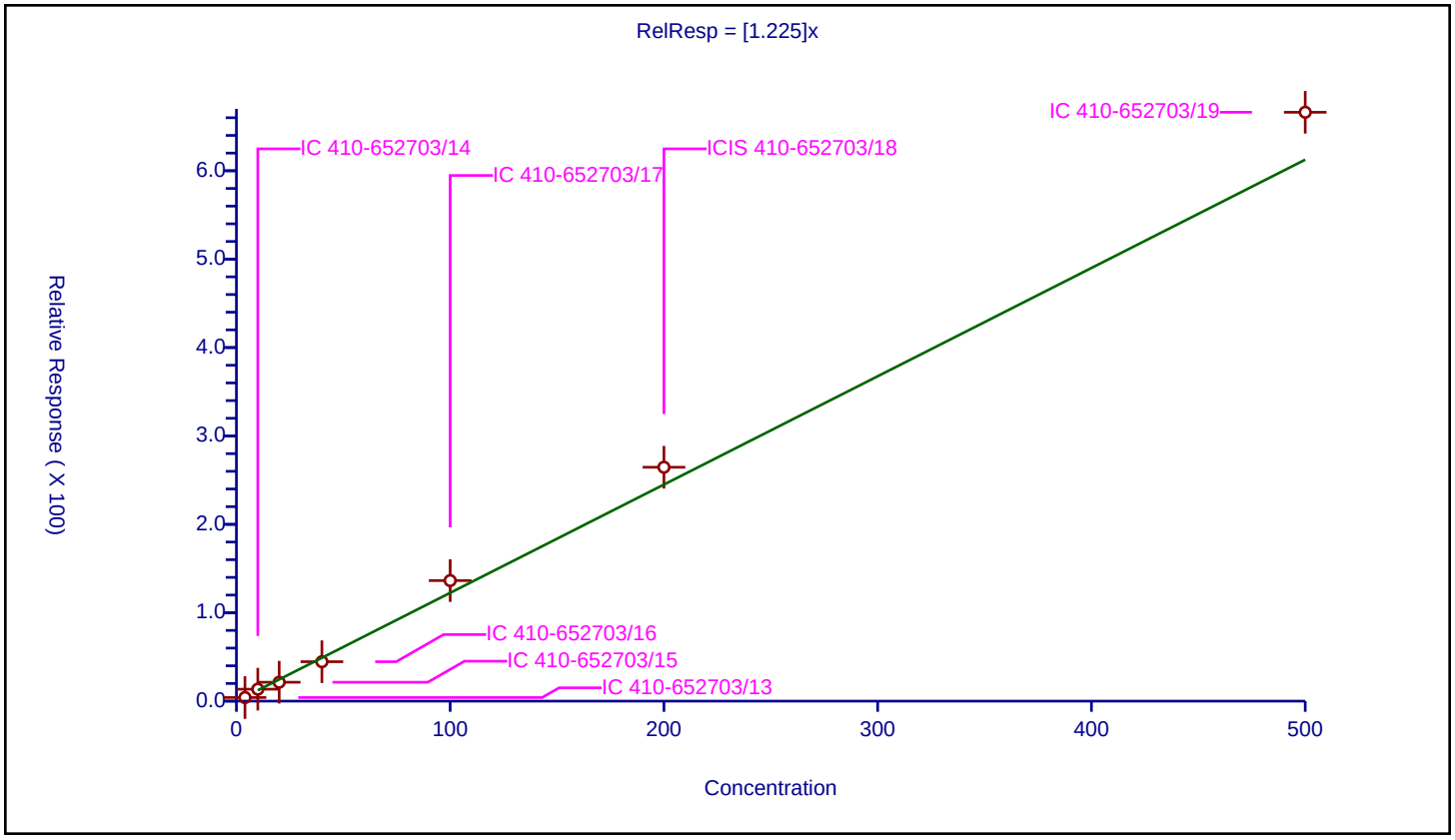
Curve Coefficients

Intercept:	0
Slope:	1.225

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	4.0	4.086229	50.0	176275.0	1.021557	Y
2	IC 410-652703/14	10.0	13.506988	50.0	174580.0	1.350699	Y
3	IC 410-652703/15	20.0	21.369895	50.0	173955.0	1.068495	Y
4	IC 410-652703/16	40.0	44.617489	50.0	202164.0	1.115437	Y
5	IC 410-652703/17	100.0	136.389738	50.0	195044.0	1.363897	Y
6	ICIS 410-652703/18	200.0	264.597035	50.0	195687.0	1.322985	Y
7	IC 410-652703/19	500.0	666.186184	50.0	190156.0	1.332372	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

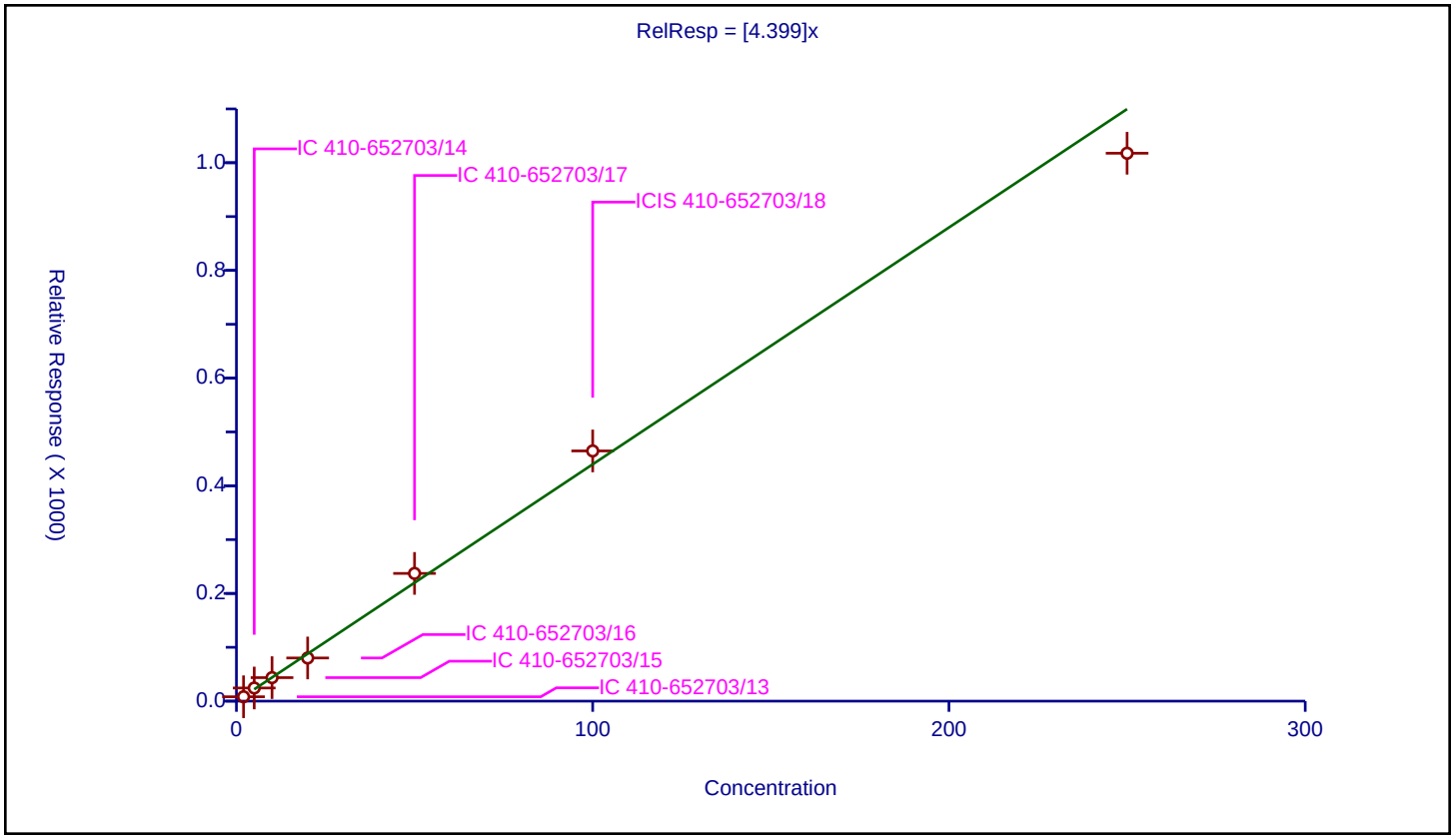
Curve Coefficients

Intercept:	0
Slope:	4.399

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	8.147213	50.0	176275.0	4.073607	Y
2	IC 410-652703/14	5.0	24.39512	50.0	174580.0	4.879024	Y
3	IC 410-652703/15	10.0	43.678825	50.0	173955.0	4.367882	Y
4	IC 410-652703/16	20.0	80.143349	50.0	202164.0	4.007167	Y
5	IC 410-652703/17	50.0	237.2175	50.0	195044.0	4.74435	Y
6	ICIS 410-652703/18	100.0	464.712526	50.0	195687.0	4.647125	Y
7	IC 410-652703/19	250.0	1017.639464	50.0	190156.0	4.070558	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

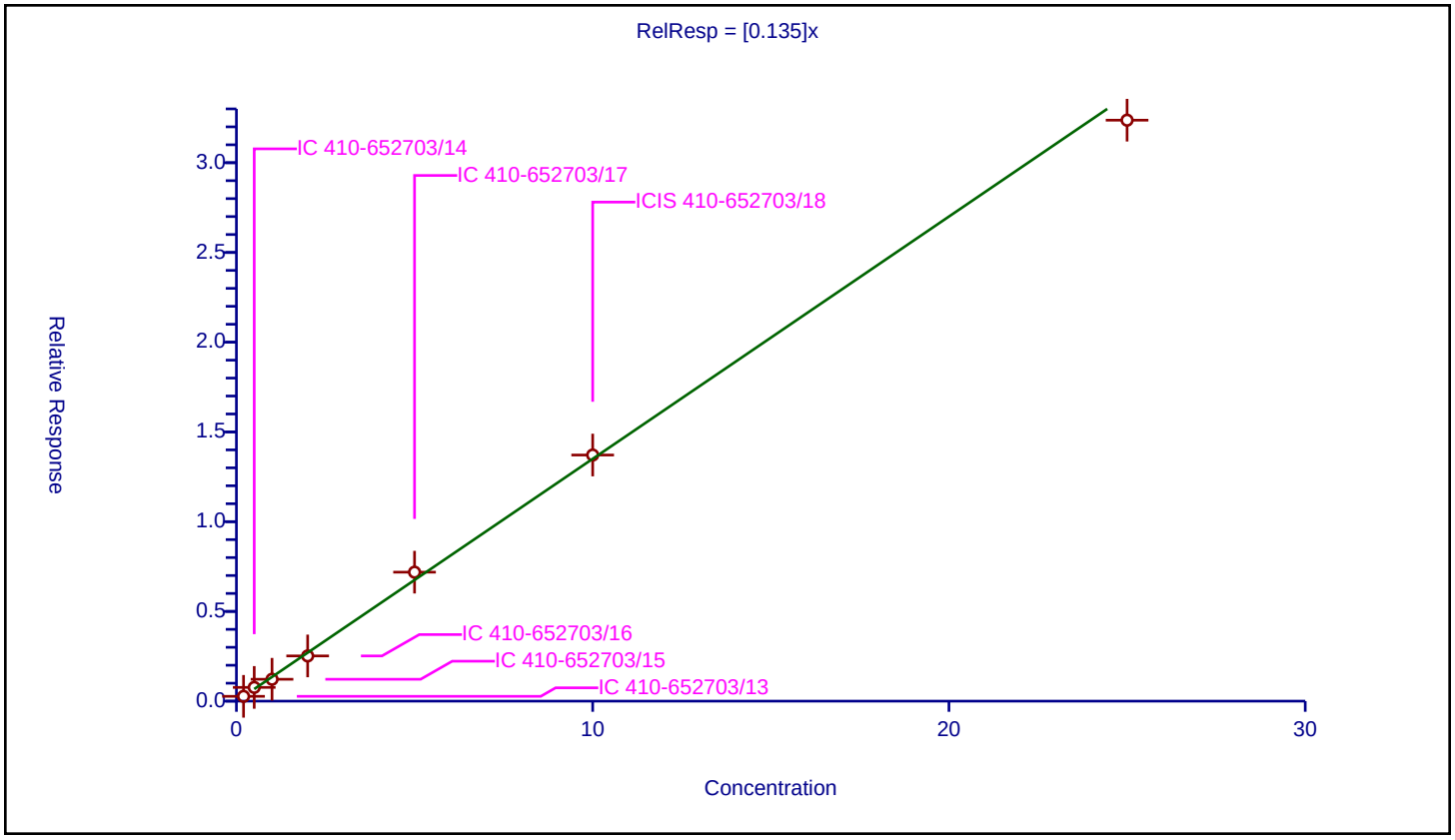
Curve Coefficients

Intercept:	0
Slope:	0.135

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.026768	10.0	2284843.0	0.133839	Y
2	IC 410-652703/14	0.5	0.076533	10.0	2238774.0	0.153066	Y
3	IC 410-652703/15	1.0	0.121842	10.0	2276632.0	0.121842	Y
4	IC 410-652703/16	2.0	0.251885	10.0	2320746.0	0.125942	Y
5	IC 410-652703/17	5.0	0.718618	10.0	2313176.0	0.143724	Y
6	ICIS 410-652703/18	10.0	1.371324	10.0	2356745.0	0.137132	Y
7	IC 410-652703/19	25.0	3.237092	10.0	2383670.0	0.129484	Y



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Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

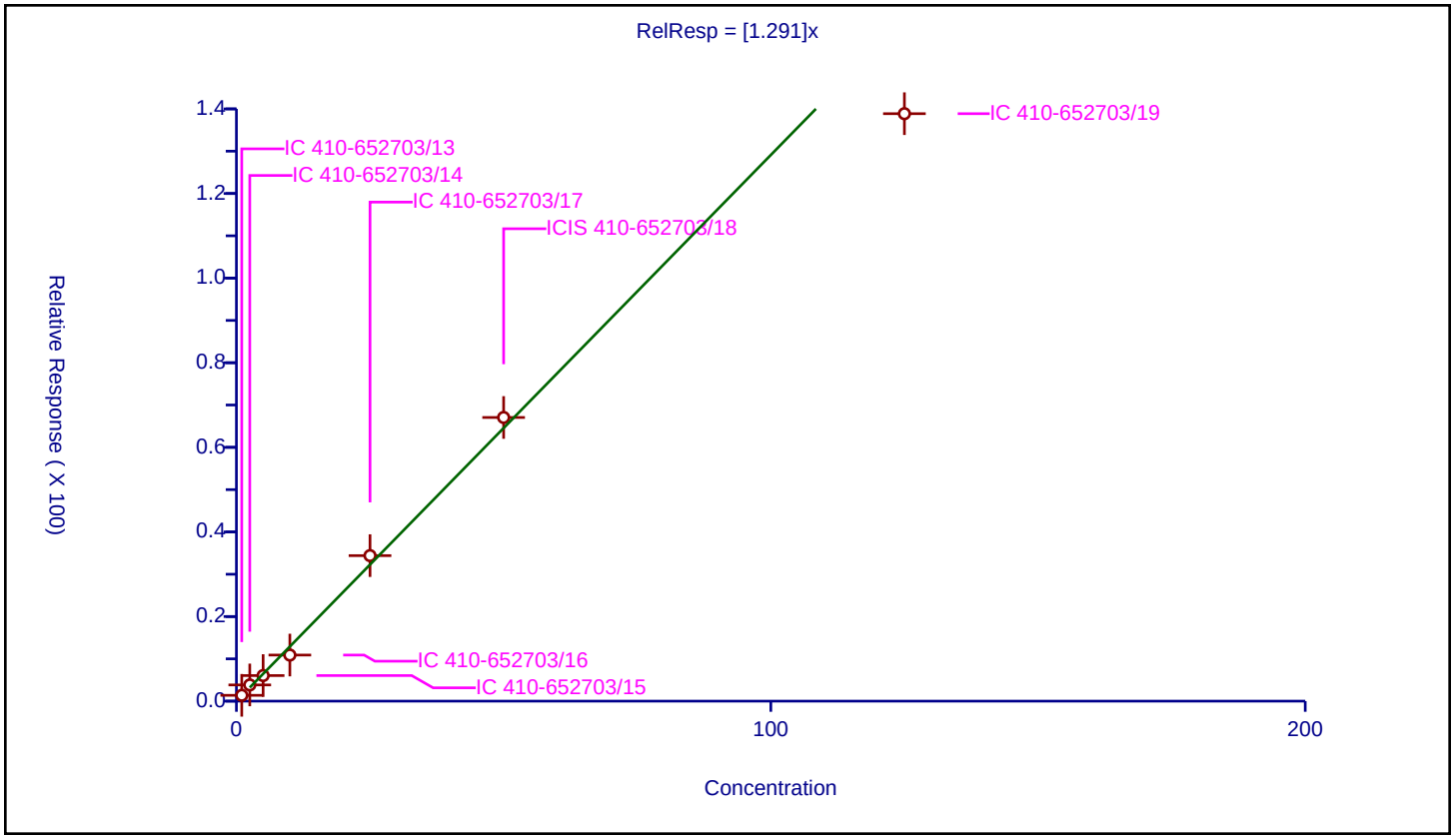
Curve Coefficients

Intercept:	0
Slope:	1.291

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	1.0	1.378528	50.0	176275.0	1.378528	Y
2	IC 410-652703/14	2.5	3.830049	50.0	174580.0	1.53202	Y
3	IC 410-652703/15	5.0	6.045242	50.0	173955.0	1.209048	Y
4	IC 410-652703/16	10.0	10.896599	50.0	202164.0	1.08966	Y
5	IC 410-652703/17	25.0	34.398649	50.0	195044.0	1.375946	Y
6	ICIS 410-652703/18	50.0	67.055809	50.0	195687.0	1.341116	Y
7	IC 410-652703/19	125.0	138.865195	50.0	190156.0	1.110922	Y



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Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

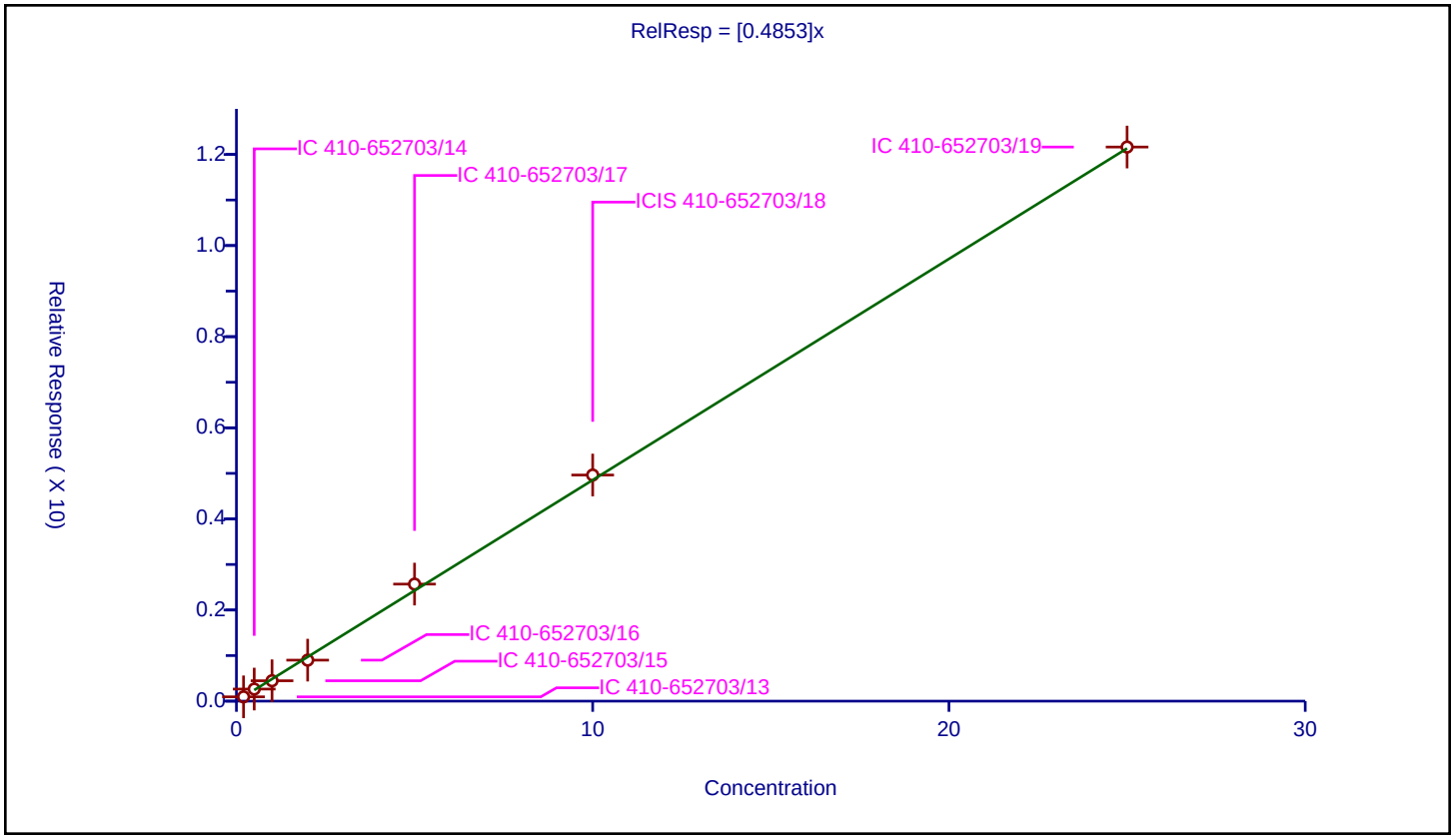
Curve Coefficients

Intercept:	0
Slope:	0.4853

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.094602	10.0	2284843.0	0.473008	Y
2	IC 410-652703/14	0.5	0.264944	10.0	2238774.0	0.529888	Y
3	IC 410-652703/15	1.0	0.447784	10.0	2276632.0	0.447784	Y
4	IC 410-652703/16	2.0	0.900219	10.0	2320746.0	0.45011	Y
5	IC 410-652703/17	5.0	2.569121	10.0	2313176.0	0.513824	Y
6	ICIS 410-652703/18	10.0	4.962985	10.0	2356745.0	0.496298	Y
7	IC 410-652703/19	25.0	12.162669	10.0	2383670.0	0.486507	Y



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Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

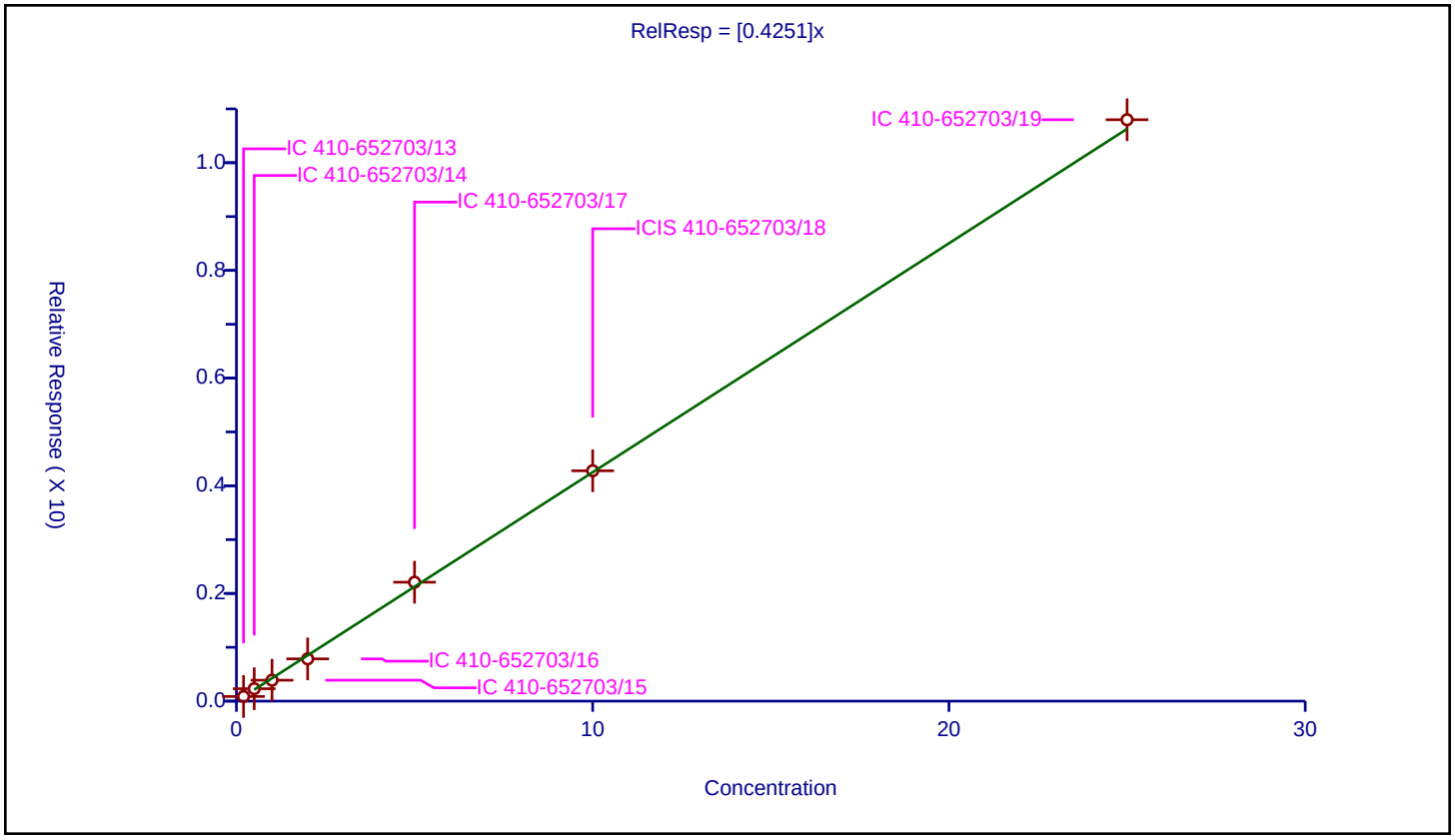
Curve Coefficients

Intercept:	0
Slope:	0.4251

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.086321	10.0	2284843.0	0.431605	Y
2	IC 410-652703/14	0.5	0.230541	10.0	2238774.0	0.461083	Y
3	IC 410-652703/15	1.0	0.389022	10.0	2276632.0	0.389022	Y
4	IC 410-652703/16	2.0	0.785153	10.0	2320746.0	0.392576	Y
5	IC 410-652703/17	5.0	2.209235	10.0	2313176.0	0.441847	Y
6	ICIS 410-652703/18	10.0	4.278872	10.0	2356745.0	0.427887	Y
7	IC 410-652703/19	25.0	10.798827	10.0	2383670.0	0.431953	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

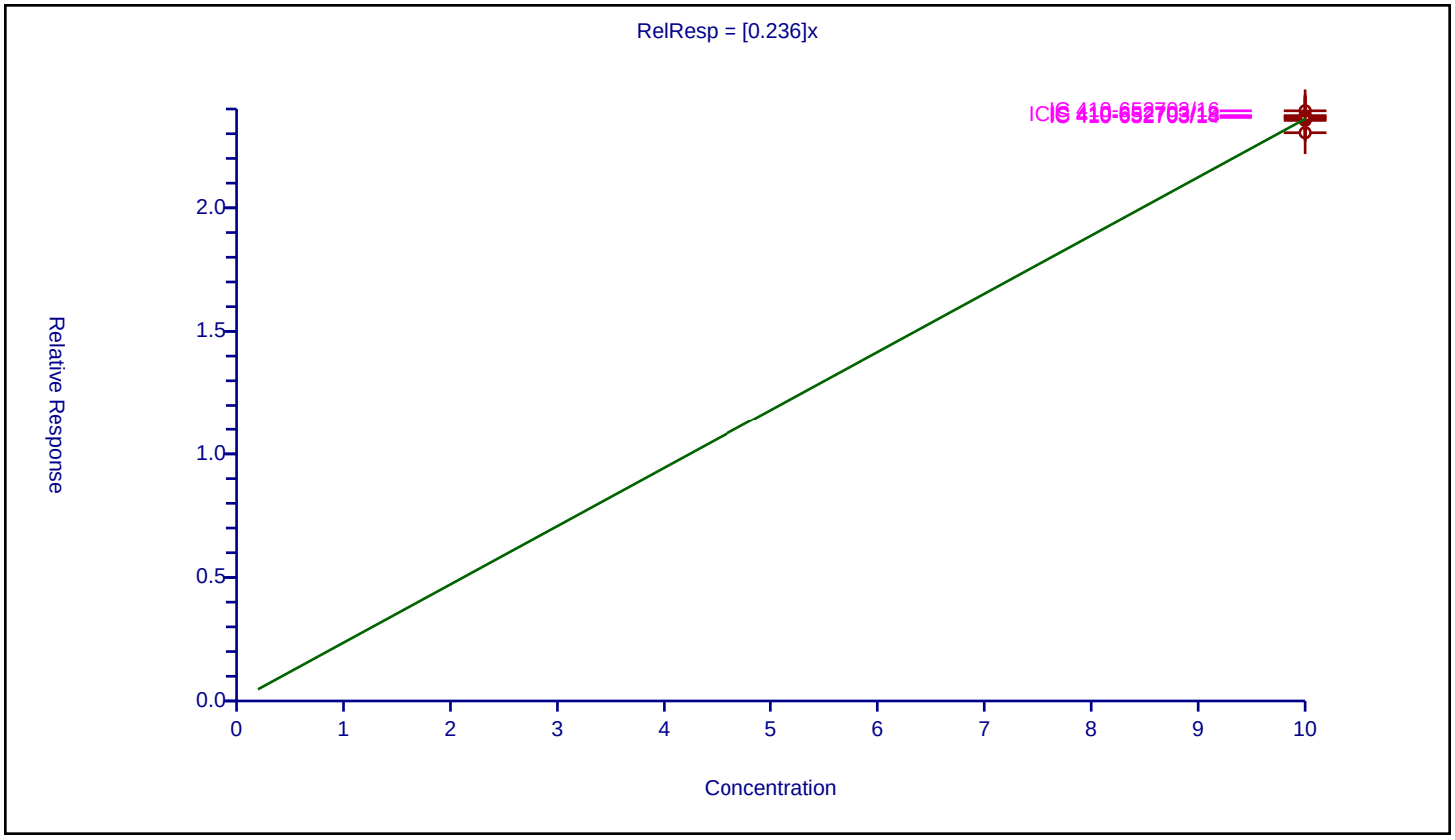
Curve Coefficients

Intercept:	0
Slope:	0.236

Error Coefficients

Relative Standard Deviation:	1.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	2.369209	10.0	2284843.0	0.236921	Y
2	IC 410-652703/14	10.0	2.365822	10.0	2238774.0	0.236582	Y
3	IC 410-652703/15	10.0	2.353788	10.0	2276632.0	0.235379	Y
4	IC 410-652703/16	10.0	2.392808	10.0	2320746.0	0.239281	Y
5	IC 410-652703/17	10.0	2.359475	10.0	2313176.0	0.235947	Y
6	ICIS 410-652703/18	10.0	2.373235	10.0	2356745.0	0.237324	Y
7	IC 410-652703/19	10.0	2.304044	10.0	2383670.0	0.230404	Y



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Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

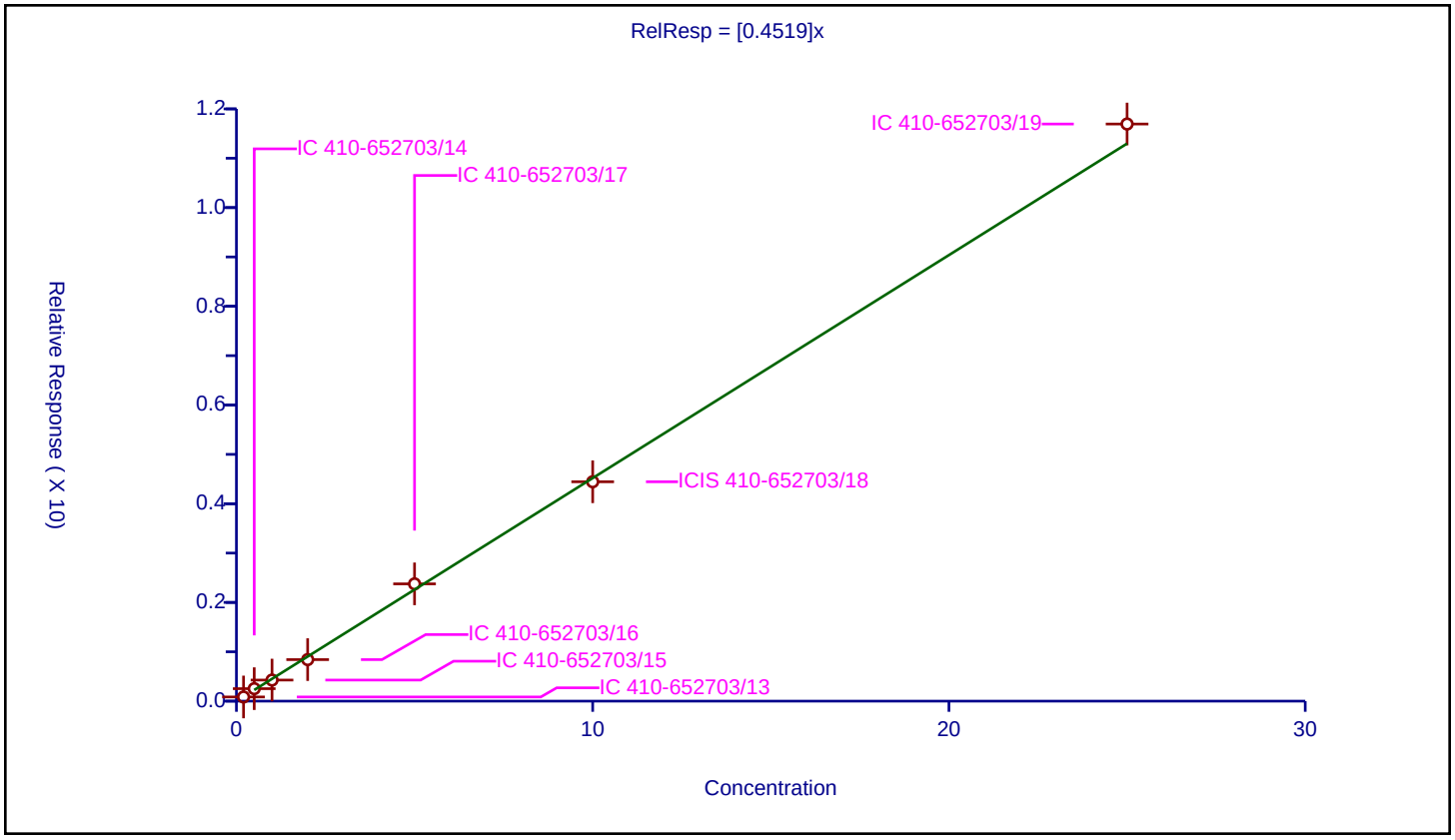
Curve Coefficients

Intercept:	0
Slope:	0.4519

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.084496	10.0	2284843.0	0.42248	Y
2	IC 410-652703/14	0.5	0.25267	10.0	2238774.0	0.505339	Y
3	IC 410-652703/15	1.0	0.427368	10.0	2276632.0	0.427368	Y
4	IC 410-652703/16	2.0	0.84138	10.0	2320746.0	0.42069	Y
5	IC 410-652703/17	5.0	2.376222	10.0	2313176.0	0.475244	Y
6	ICIS 410-652703/18	10.0	4.444728	10.0	2356745.0	0.444473	Y
7	IC 410-652703/19	25.0	11.693582	10.0	2383670.0	0.467743	Y



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Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

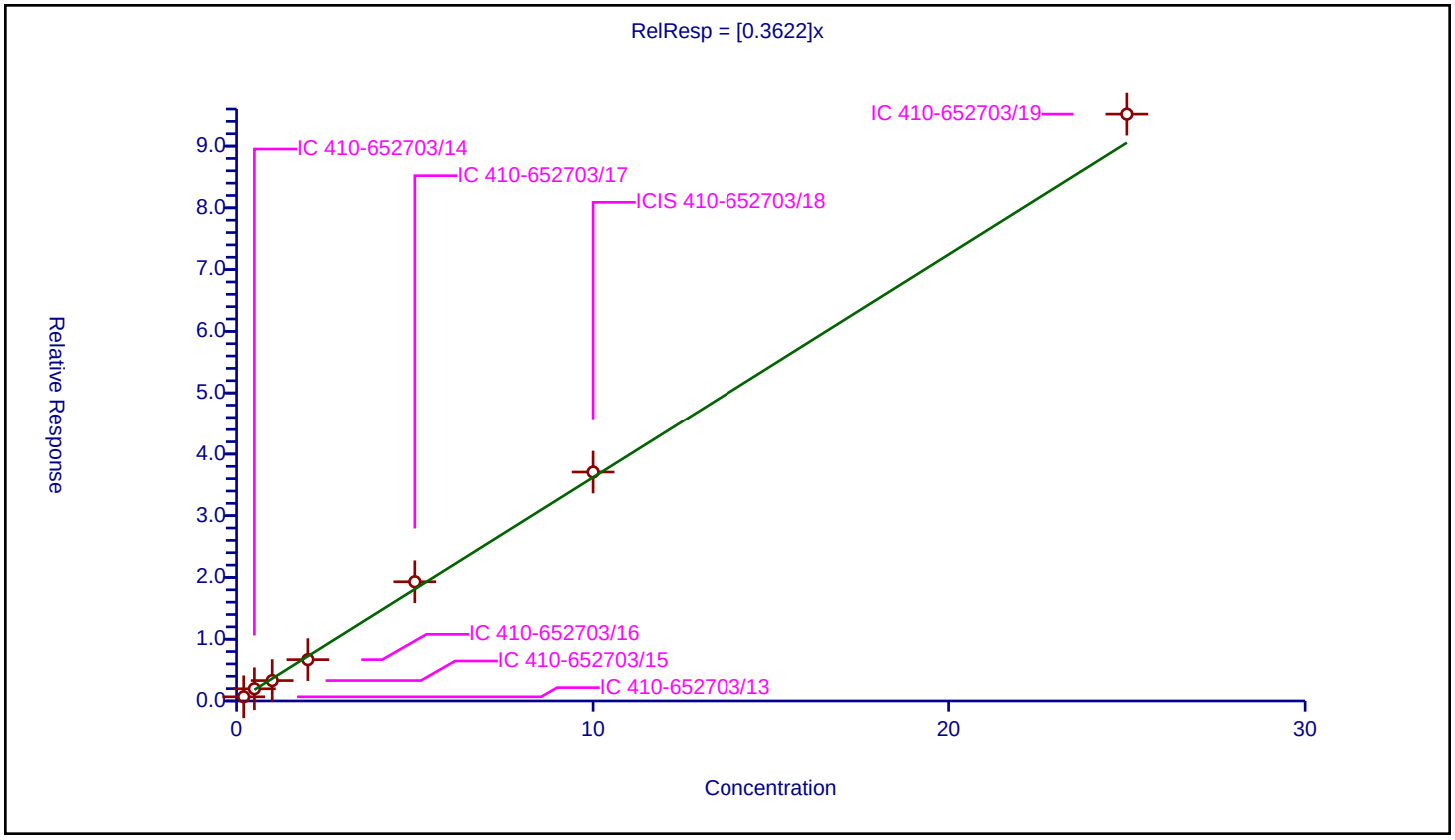
Curve Coefficients

Intercept:	0
Slope:	0.3622

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.06758	10.0	2284843.0	0.337901	Y
2	IC 410-652703/14	0.5	0.19759	10.0	2238774.0	0.395181	Y
3	IC 410-652703/15	1.0	0.330291	10.0	2276632.0	0.330291	Y
4	IC 410-652703/16	2.0	0.66922	10.0	2320746.0	0.33461	Y
5	IC 410-652703/17	5.0	1.930147	10.0	2313176.0	0.386029	Y
6	ICIS 410-652703/18	10.0	3.707363	10.0	2356745.0	0.370736	Y
7	IC 410-652703/19	25.0	9.517567	10.0	2383670.0	0.380703	Y



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Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

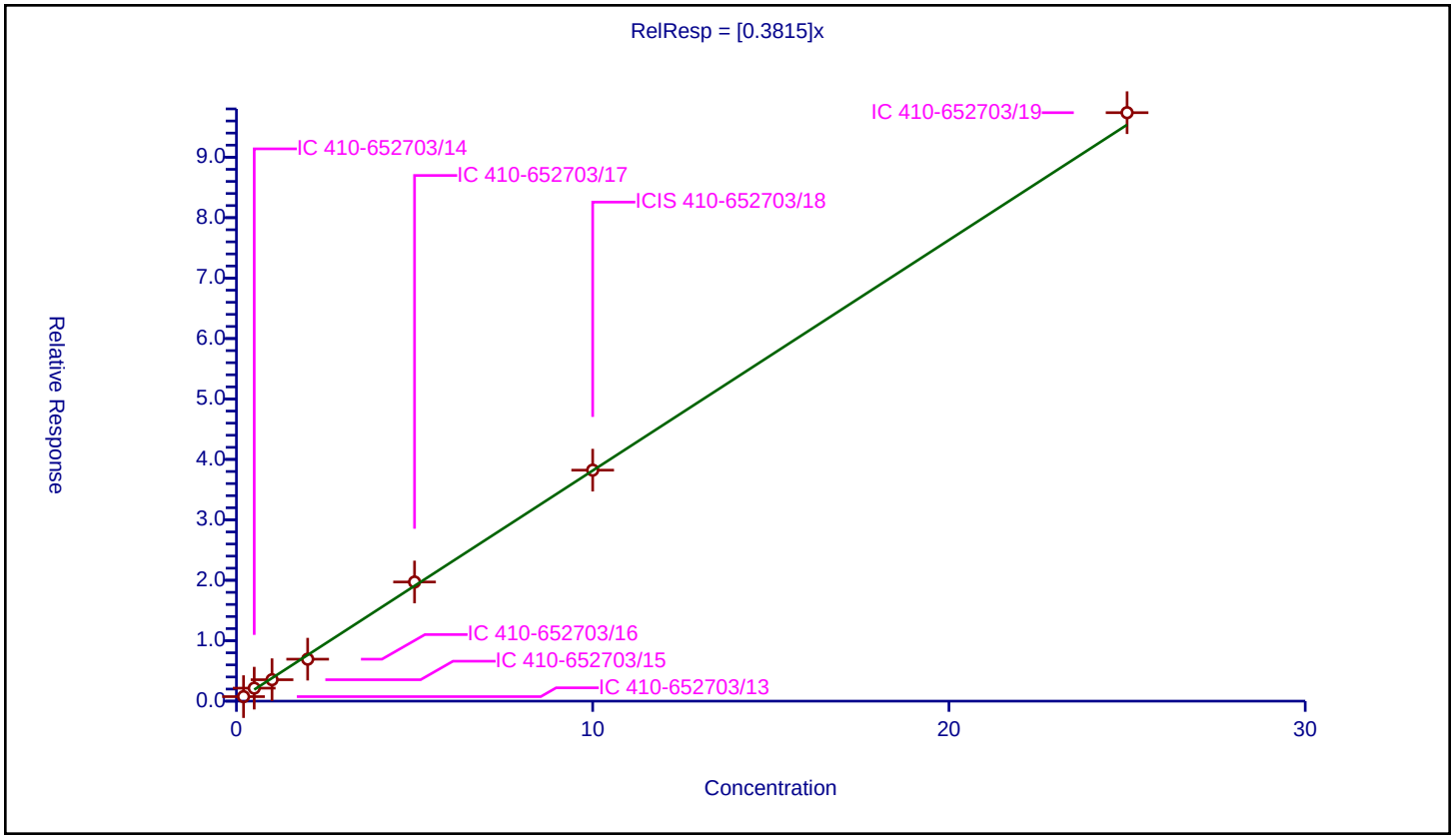
Curve Coefficients

Intercept:	0
Slope:	0.3815

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.074648	10.0	2284843.0	0.373242	Y
2	IC 410-652703/14	0.5	0.214787	10.0	2238774.0	0.429574	Y
3	IC 410-652703/15	1.0	0.354484	10.0	2276632.0	0.354484	Y
4	IC 410-652703/16	2.0	0.694169	10.0	2320746.0	0.347085	Y
5	IC 410-652703/17	5.0	1.971748	10.0	2313176.0	0.39435	Y
6	ICIS 410-652703/18	10.0	3.822149	10.0	2356745.0	0.382215	Y
7	IC 410-652703/19	25.0	9.737229	10.0	2383670.0	0.389489	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

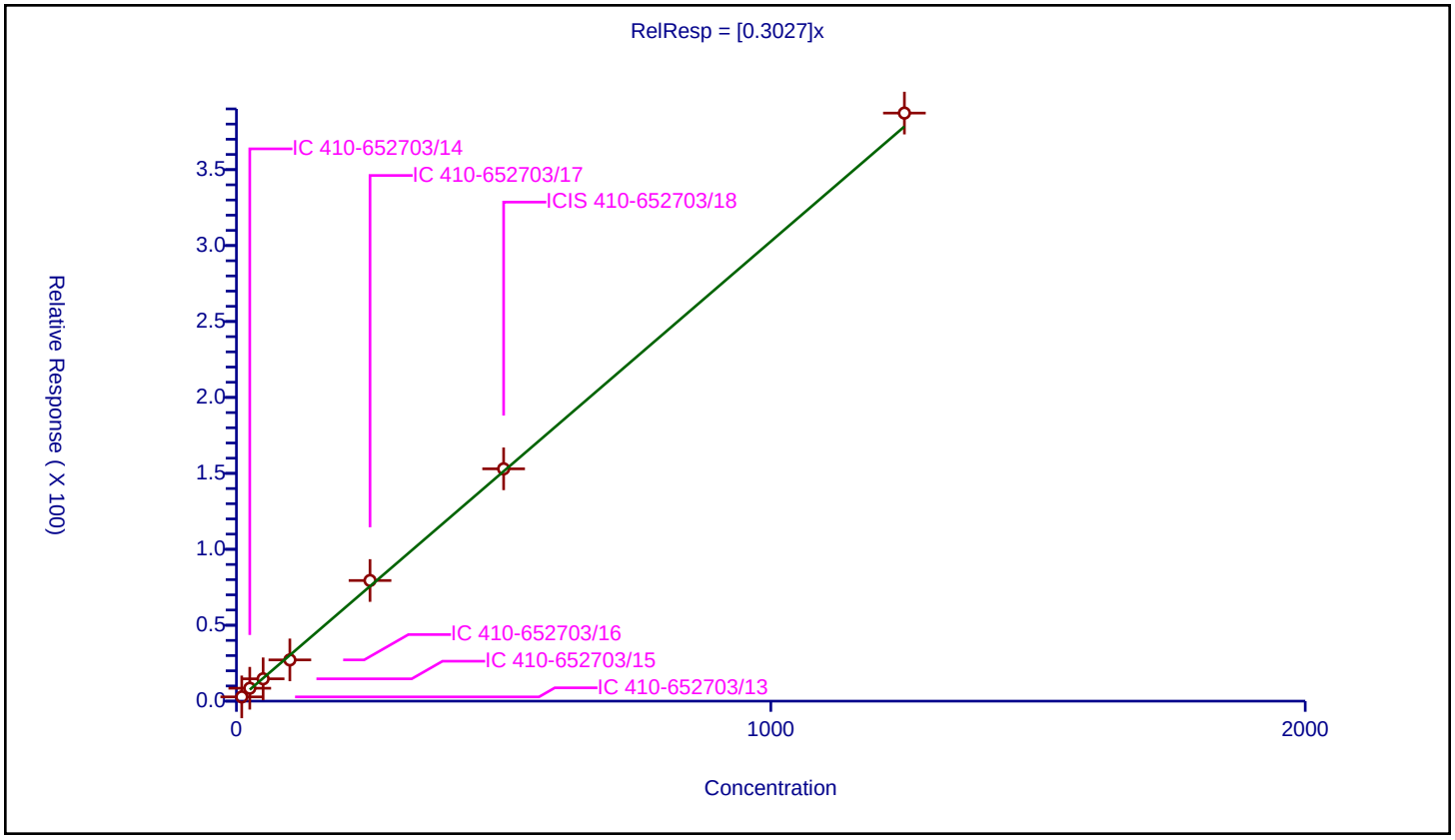
Curve Coefficients

Intercept:	0
Slope:	0.3027

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	2.801021	50.0	176275.0	0.280102	Y
2	IC 410-652703/14	25.0	8.491809	50.0	174580.0	0.339672	Y
3	IC 410-652703/15	50.0	14.705815	50.0	173955.0	0.294116	Y
4	IC 410-652703/16	100.0	27.154192	50.0	202164.0	0.271542	Y
5	IC 410-652703/17	250.0	79.441562	50.0	195044.0	0.317766	Y
6	ICIS 410-652703/18	500.0	152.987679	50.0	195687.0	0.305975	Y
7	IC 410-652703/19	1250.0	387.244683	50.0	190156.0	0.309796	Y



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Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

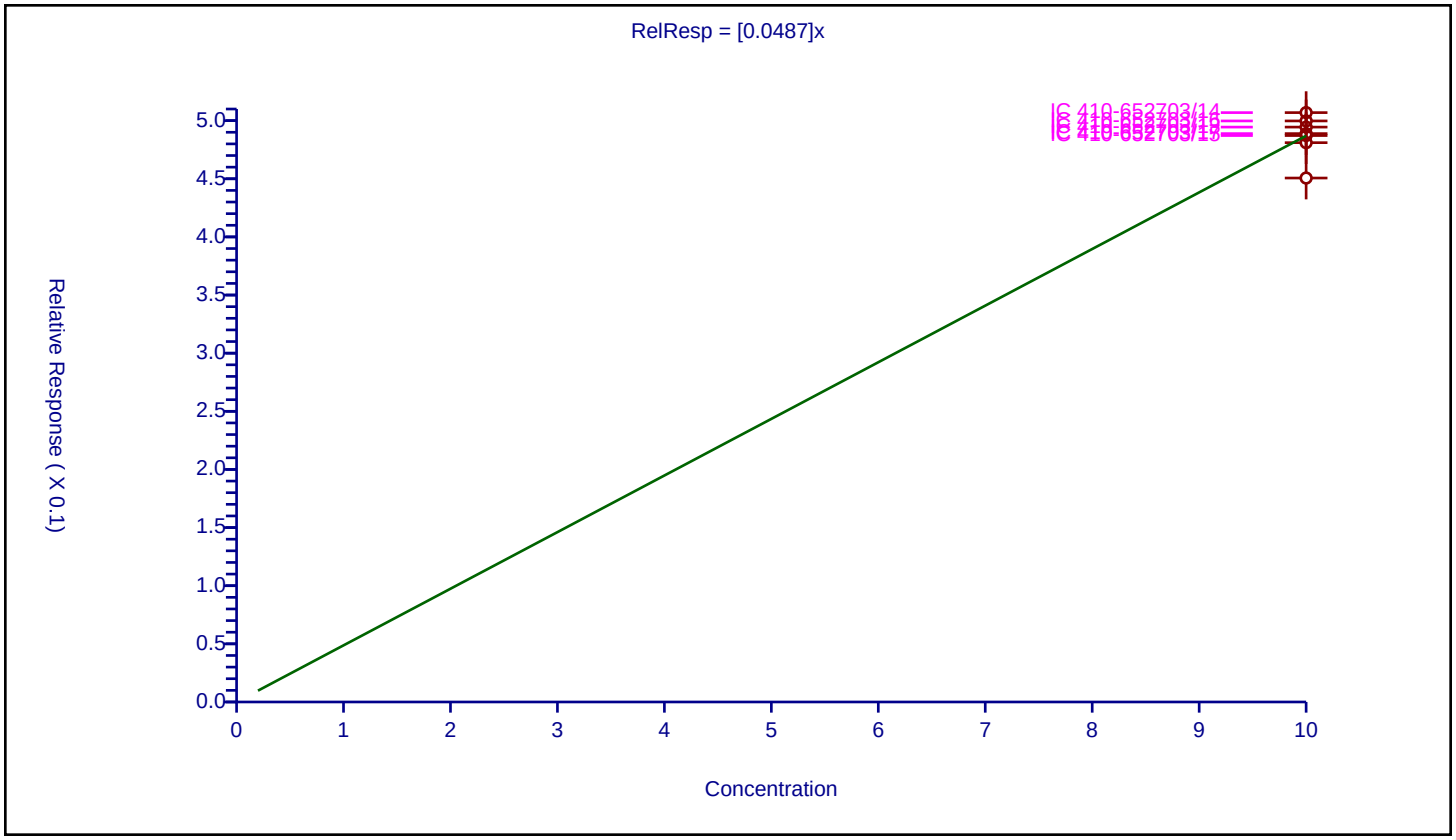
Curve Coefficients

Intercept:	0
Slope:	0.0487

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	0.49445	10.0	2284843.0	0.049445	Y
2	IC 410-652703/14	10.0	0.506902	10.0	2238774.0	0.05069	Y
3	IC 410-652703/15	10.0	0.48718	10.0	2276632.0	0.048718	Y
4	IC 410-652703/16	10.0	0.499744	10.0	2320746.0	0.049974	Y
5	IC 410-652703/17	10.0	0.488856	10.0	2313176.0	0.048886	Y
6	ICIS 410-652703/18	10.0	0.481066	10.0	2356745.0	0.048107	Y
7	IC 410-652703/19	10.0	0.450633	10.0	2383670.0	0.045063	Y



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Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

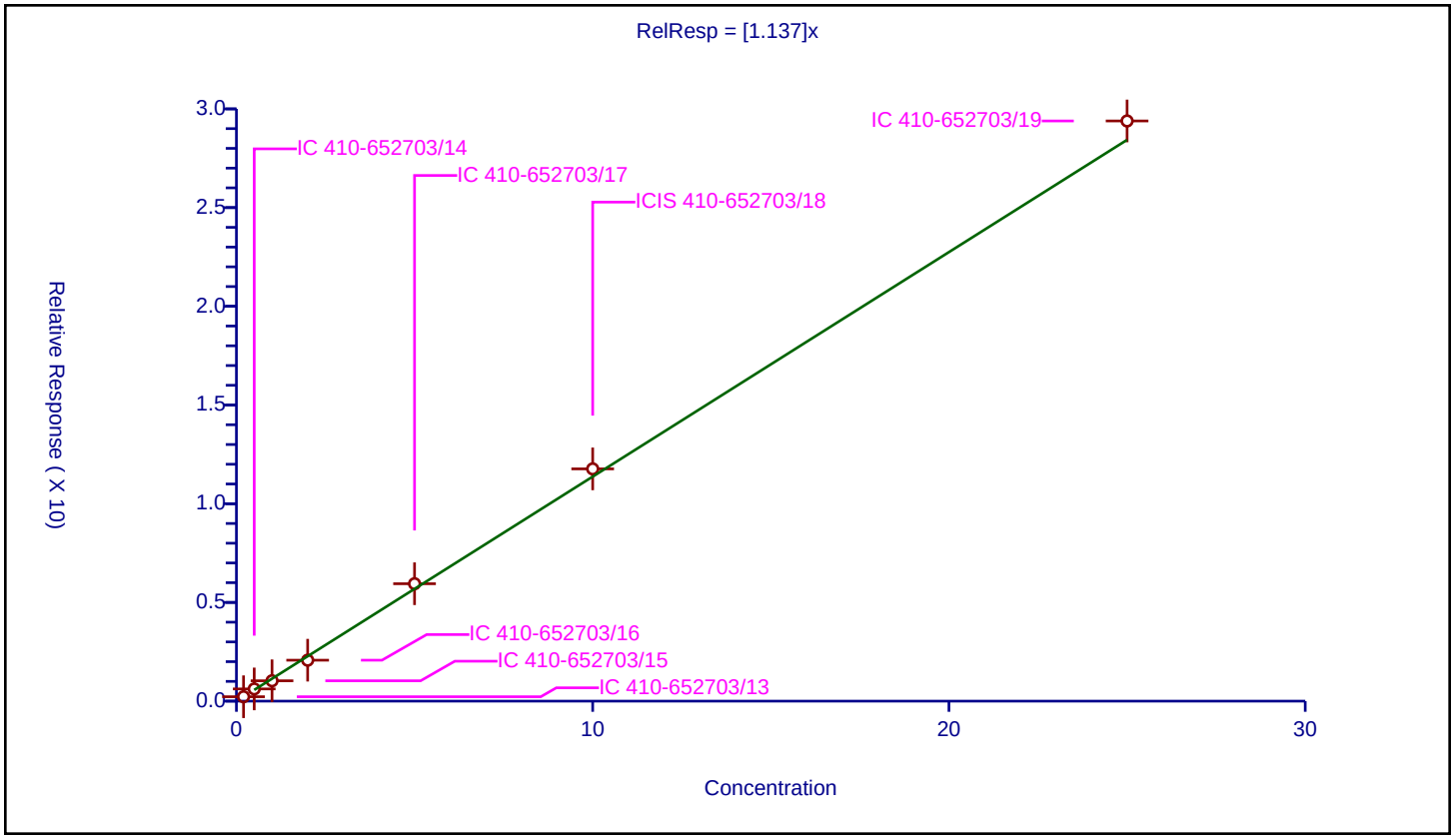
Curve Coefficients

Intercept:	0
Slope:	1.137

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.222641	10.0	2284843.0	1.113206	Y
2	IC 410-652703/14	0.5	0.618584	10.0	2238774.0	1.237168	Y
3	IC 410-652703/15	1.0	1.031374	10.0	2276632.0	1.031374	Y
4	IC 410-652703/16	2.0	2.074734	10.0	2320746.0	1.037367	Y
5	IC 410-652703/17	5.0	5.948198	10.0	2313176.0	1.18964	Y
6	ICIS 410-652703/18	10.0	11.764595	10.0	2356745.0	1.176459	Y
7	IC 410-652703/19	25.0	29.388909	10.0	2383670.0	1.175556	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

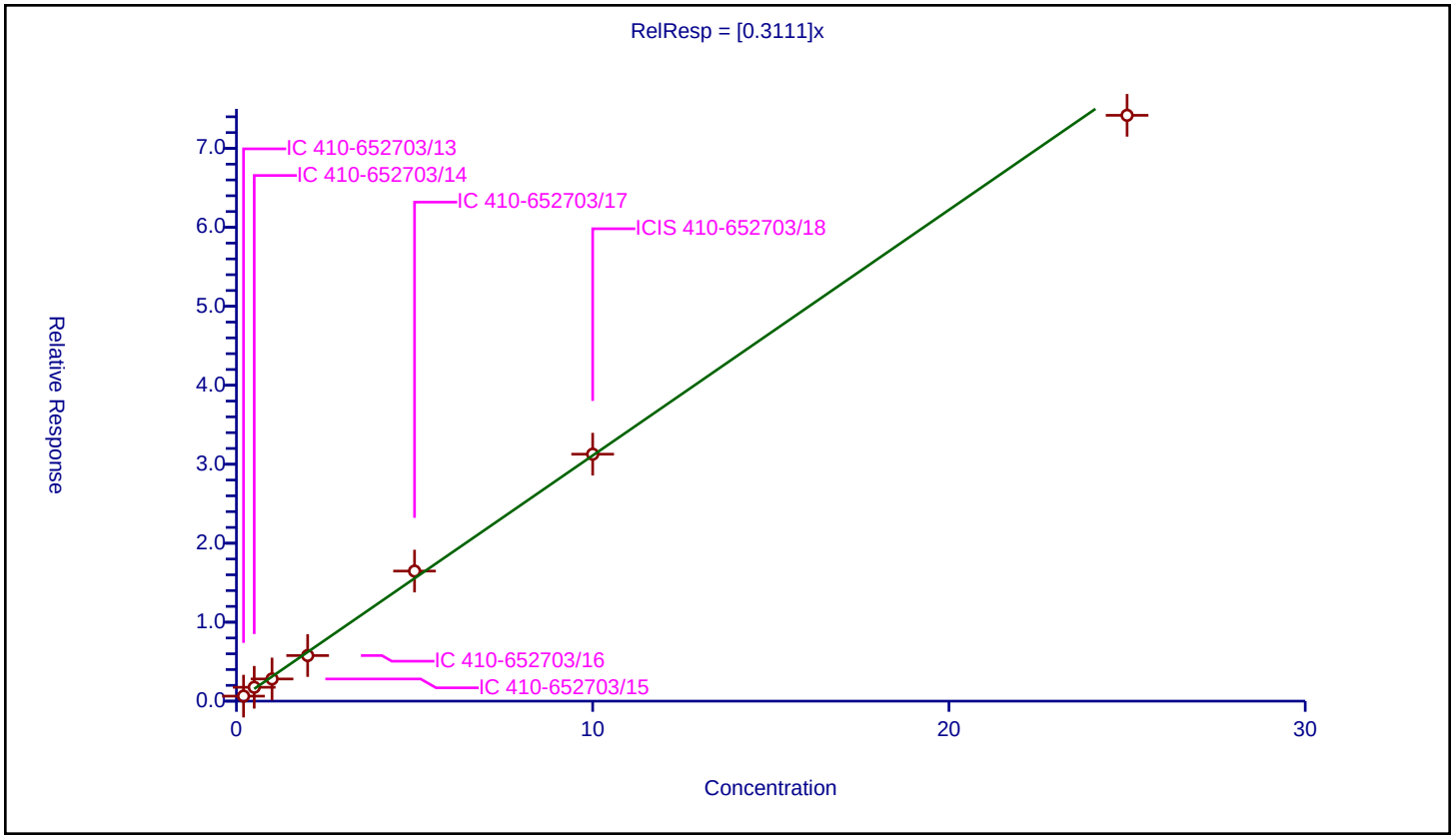
Curve Coefficients

Intercept:	0
Slope:	0.3111

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.063628	10.0	2284843.0	0.31814	Y
2	IC 410-652703/14	0.5	0.175449	10.0	2238774.0	0.350897	Y
3	IC 410-652703/15	1.0	0.28088	10.0	2276632.0	0.28088	Y
4	IC 410-652703/16	2.0	0.577133	10.0	2320746.0	0.288567	Y
5	IC 410-652703/17	5.0	1.646961	10.0	2313176.0	0.329392	Y
6	ICIS 410-652703/18	10.0	3.127407	10.0	2356745.0	0.312741	Y
7	IC 410-652703/19	25.0	7.418653	10.0	2383670.0	0.296746	Y



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Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

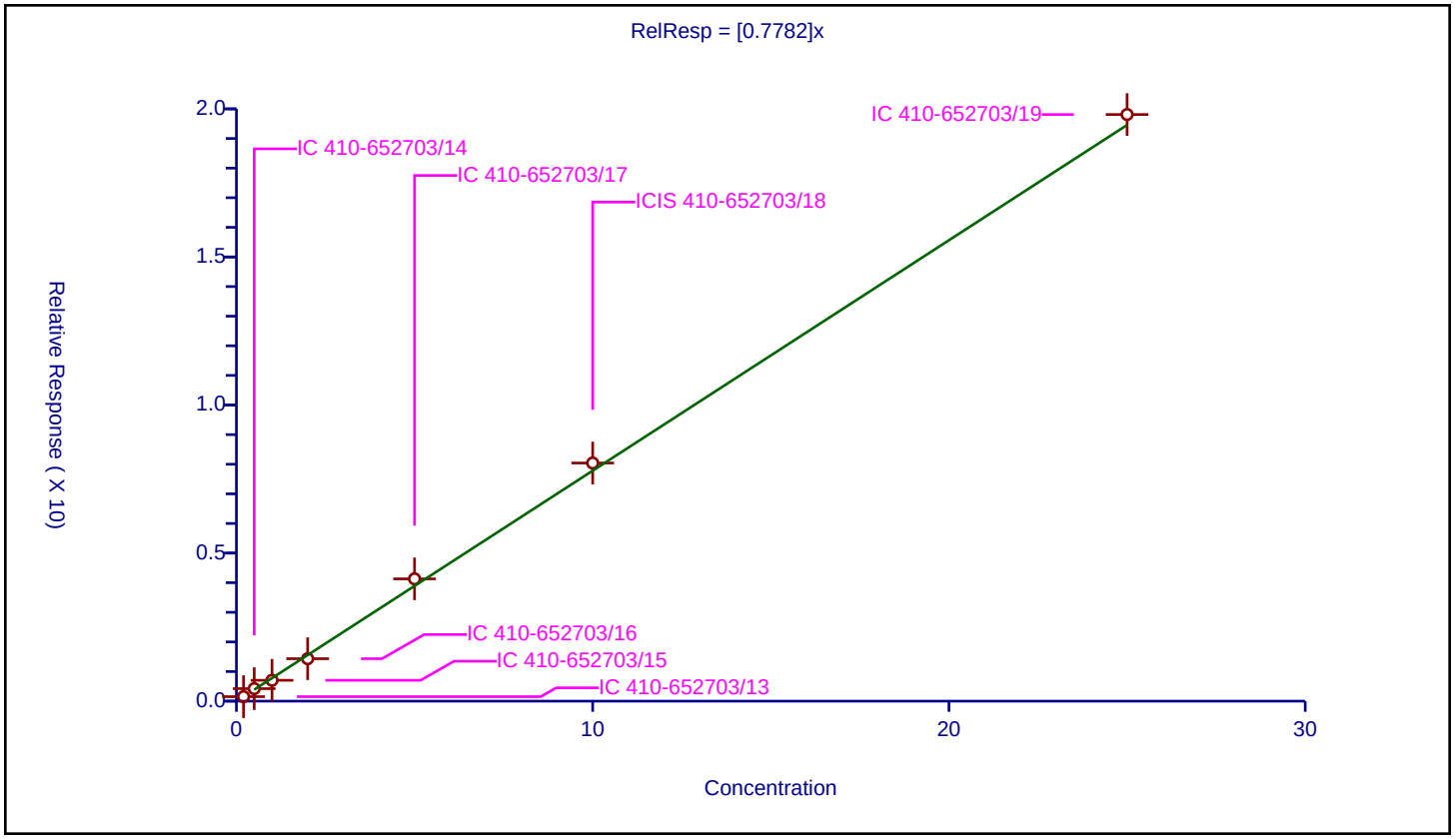
Curve Coefficients

Intercept:	0
Slope:	0.7782

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.151809	10.0	2284843.0	0.759046	Y
2	IC 410-652703/14	0.5	0.42258	10.0	2238774.0	0.845159	Y
3	IC 410-652703/15	1.0	0.704326	10.0	2276632.0	0.704326	Y
4	IC 410-652703/16	2.0	1.433246	10.0	2320746.0	0.716623	Y
5	IC 410-652703/17	5.0	4.129539	10.0	2313176.0	0.825908	Y
6	ICIS 410-652703/18	10.0	8.040993	10.0	2356745.0	0.804099	Y
7	IC 410-652703/19	25.0	19.809458	10.0	2383670.0	0.792378	Y



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Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

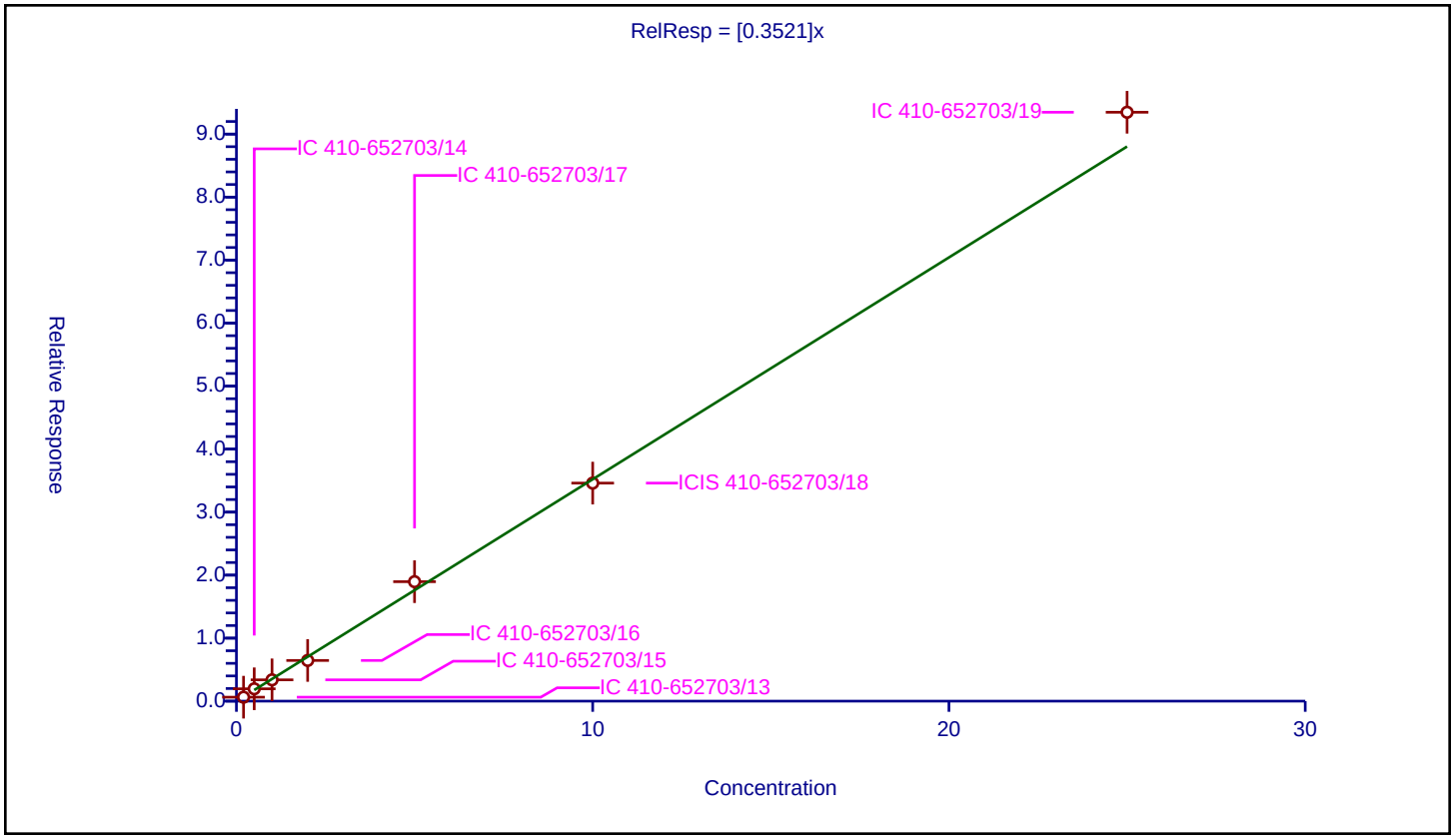
Curve Coefficients

Intercept:	0
Slope:	0.3521

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.062621	10.0	2284843.0	0.313107	Y
2	IC 410-652703/14	0.5	0.19575	10.0	2238774.0	0.3915	Y
3	IC 410-652703/15	1.0	0.338048	10.0	2276632.0	0.338048	Y
4	IC 410-652703/16	2.0	0.645887	10.0	2320746.0	0.322944	Y
5	IC 410-652703/17	5.0	1.896055	10.0	2313176.0	0.379211	Y
6	ICIS 410-652703/18	10.0	3.460553	10.0	2356745.0	0.346055	Y
7	IC 410-652703/19	25.0	9.346776	10.0	2383670.0	0.373871	Y



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

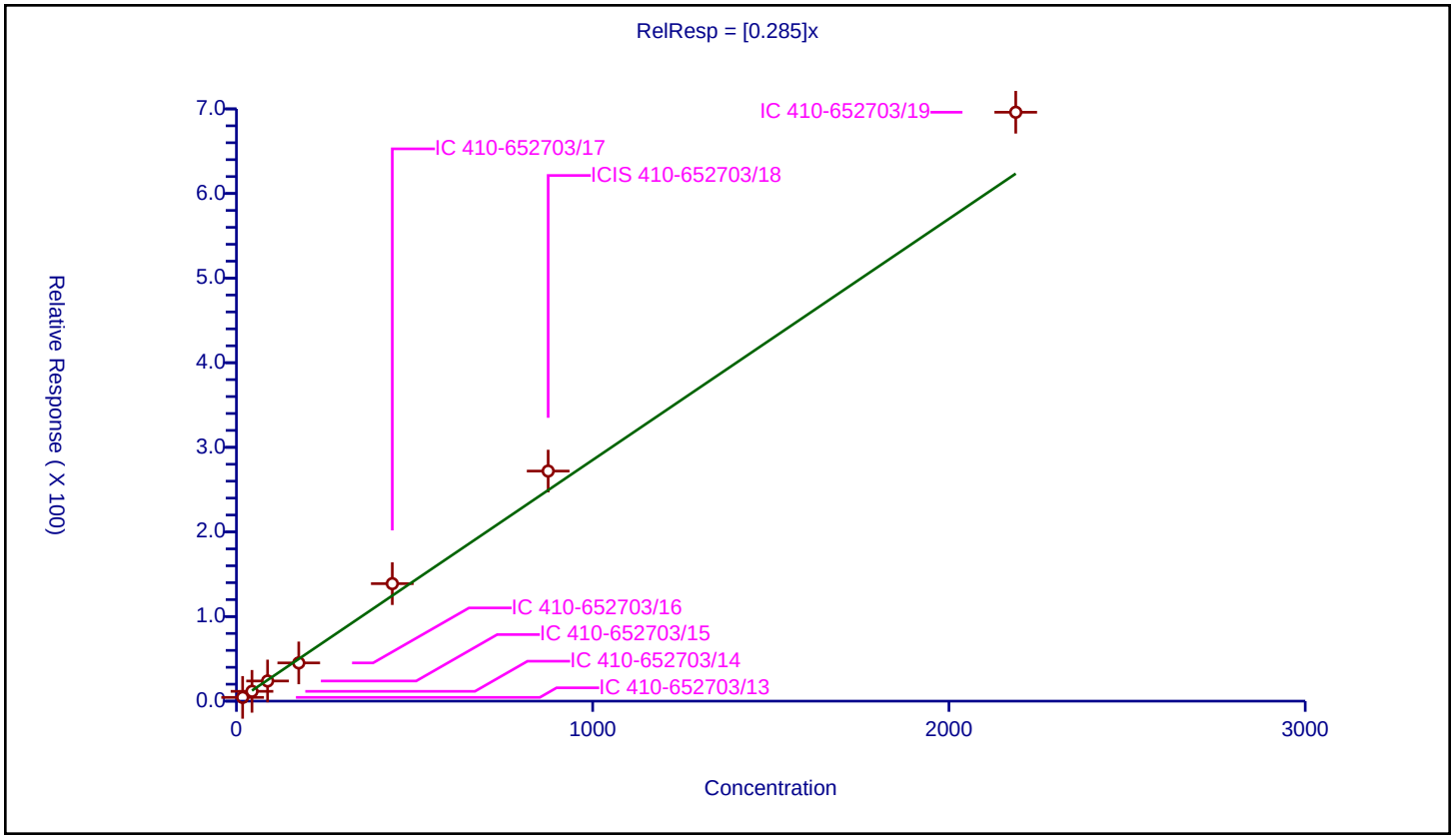
Curve Coefficients

Intercept:	0
Slope:	0.285

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	17.5	4.433697	50.0	176275.0	0.253354	Y
2	IC 410-652703/14	43.75	11.599267	50.0	174580.0	0.265126	Y
3	IC 410-652703/15	87.5	23.803857	50.0	173955.0	0.272044	Y
4	IC 410-652703/16	175.0	45.175452	50.0	202164.0	0.258145	Y
5	IC 410-652703/17	437.5	138.885585	50.0	195044.0	0.317453	Y
6	ICIS 410-652703/18	875.0	271.937328	50.0	195687.0	0.310786	Y
7	IC 410-652703/19	2187.5	696.035886	50.0	190156.0	0.318188	Y



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Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

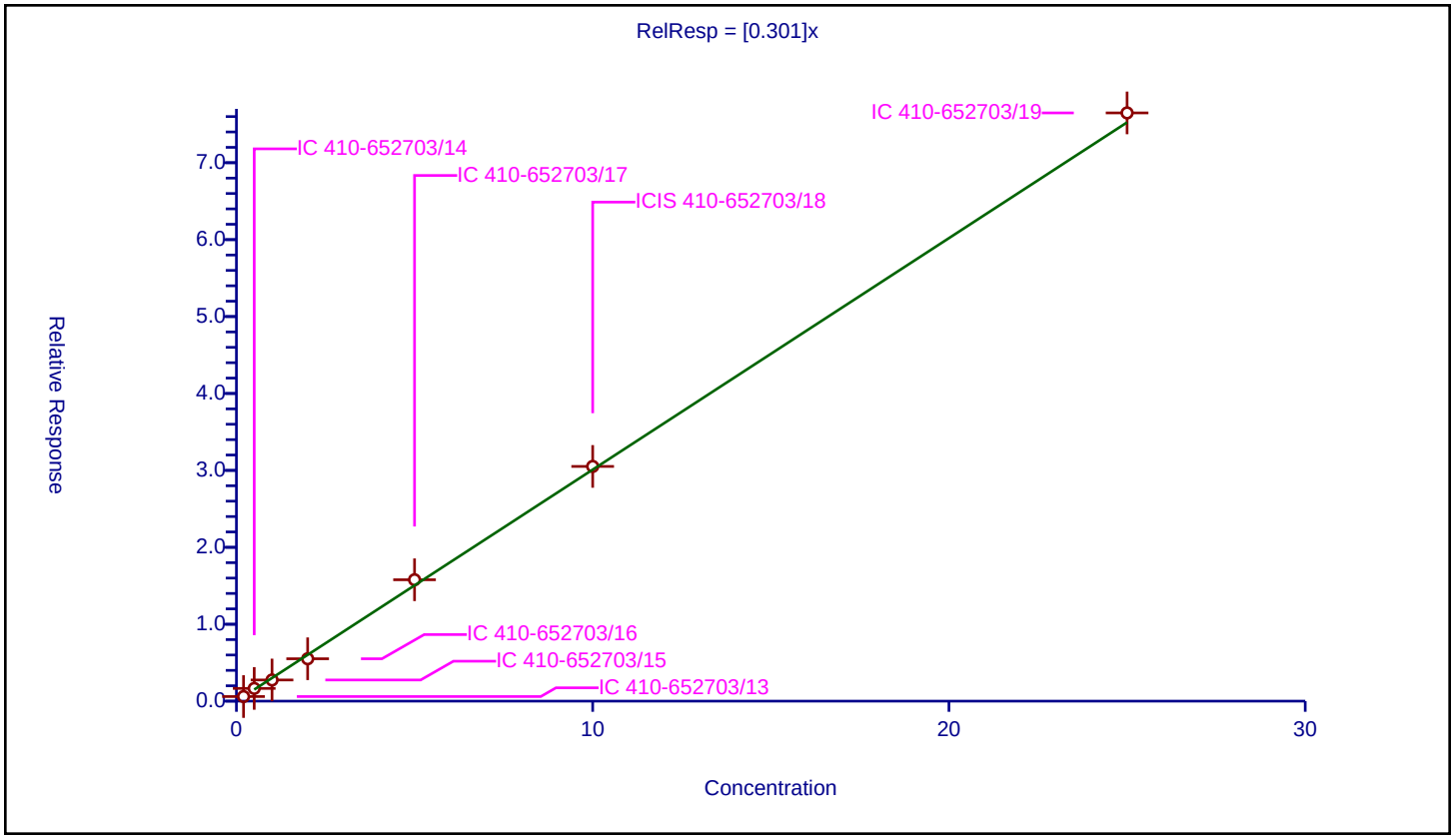
Curve Coefficients

Intercept:	0
Slope:	0.301

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.059829	10.0	2284843.0	0.299145	Y
2	IC 410-652703/14	0.5	0.165202	10.0	2238774.0	0.330404	Y
3	IC 410-652703/15	1.0	0.275143	10.0	2276632.0	0.275143	Y
4	IC 410-652703/16	2.0	0.550956	10.0	2320746.0	0.275478	Y
5	IC 410-652703/17	5.0	1.578142	10.0	2313176.0	0.315628	Y
6	ICIS 410-652703/18	10.0	3.051641	10.0	2356745.0	0.305164	Y
7	IC 410-652703/19	25.0	7.647799	10.0	2383670.0	0.305912	Y



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Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

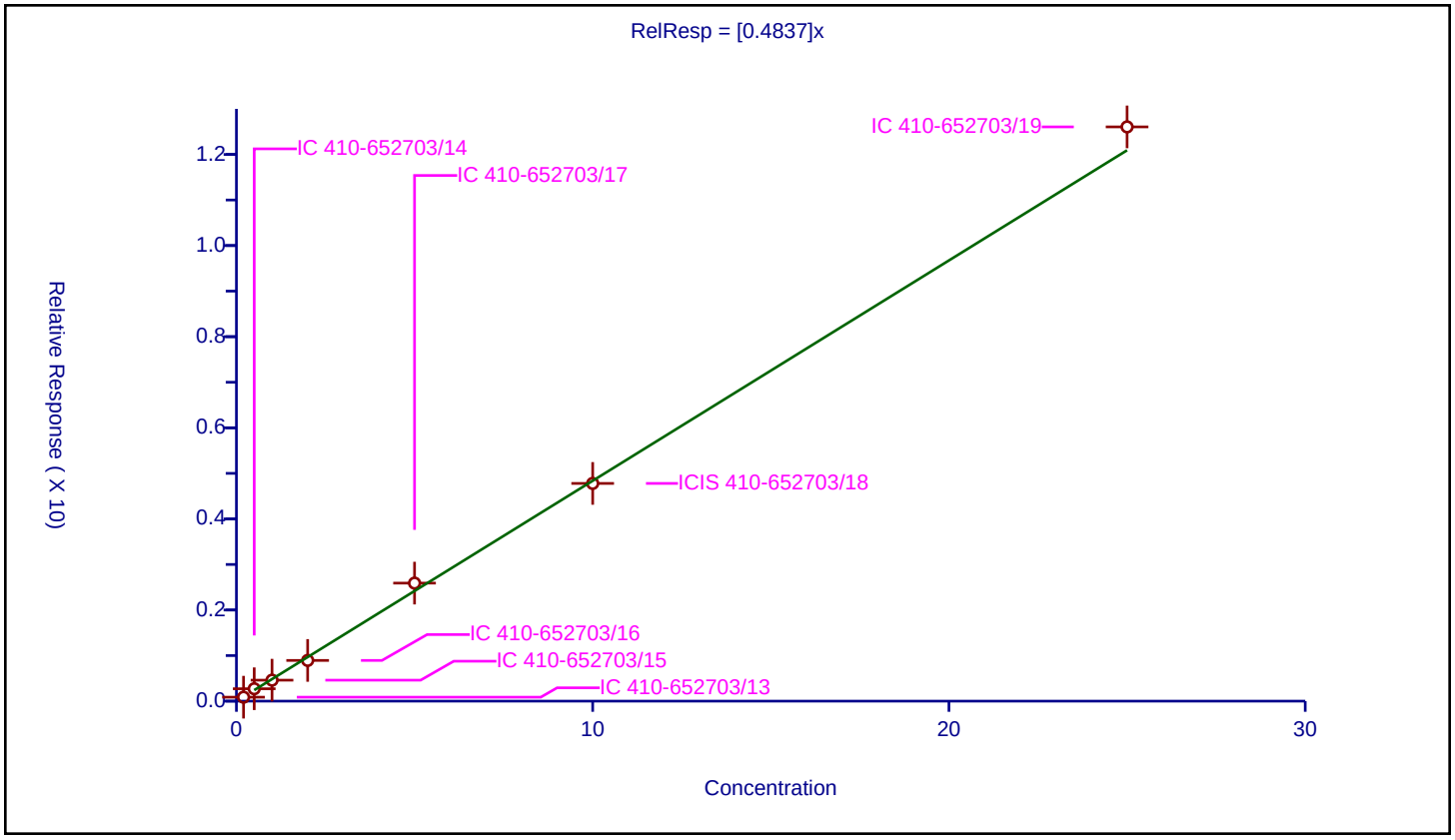
Curve Coefficients

Intercept:	0
Slope:	0.4837

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.086894	10.0	2284843.0	0.434472	Y
2	IC 410-652703/14	0.5	0.27185	10.0	2238774.0	0.543699	Y
3	IC 410-652703/15	1.0	0.460369	10.0	2276632.0	0.460369	Y
4	IC 410-652703/16	2.0	0.893838	10.0	2320746.0	0.446919	Y
5	IC 410-652703/17	5.0	2.590508	10.0	2313176.0	0.518102	Y
6	ICIS 410-652703/18	10.0	4.778981	10.0	2356745.0	0.477898	Y
7	IC 410-652703/19	25.0	12.604681	10.0	2383670.0	0.504187	Y



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Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

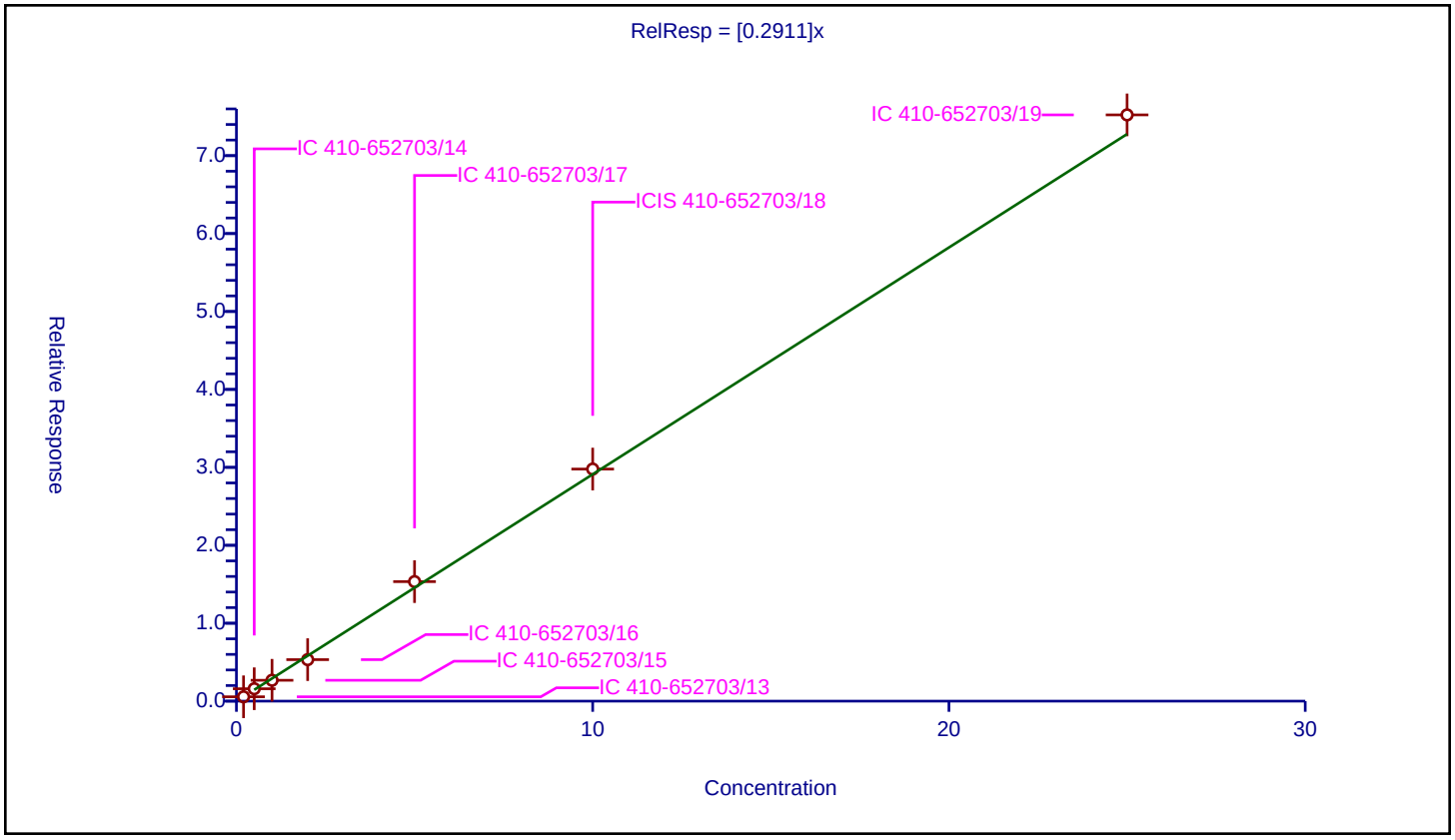
Curve Coefficients

Intercept:	0
Slope:	0.2911

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.055824	10.0	2284843.0	0.279122	Y
2	IC 410-652703/14	0.5	0.159257	10.0	2238774.0	0.318514	Y
3	IC 410-652703/15	1.0	0.267948	10.0	2276632.0	0.267948	Y
4	IC 410-652703/16	2.0	0.532777	10.0	2320746.0	0.266388	Y
5	IC 410-652703/17	5.0	1.533774	10.0	2313176.0	0.306755	Y
6	ICIS 410-652703/18	10.0	2.977938	10.0	2356745.0	0.297794	Y
7	IC 410-652703/19	25.0	7.522954	10.0	2383670.0	0.300918	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

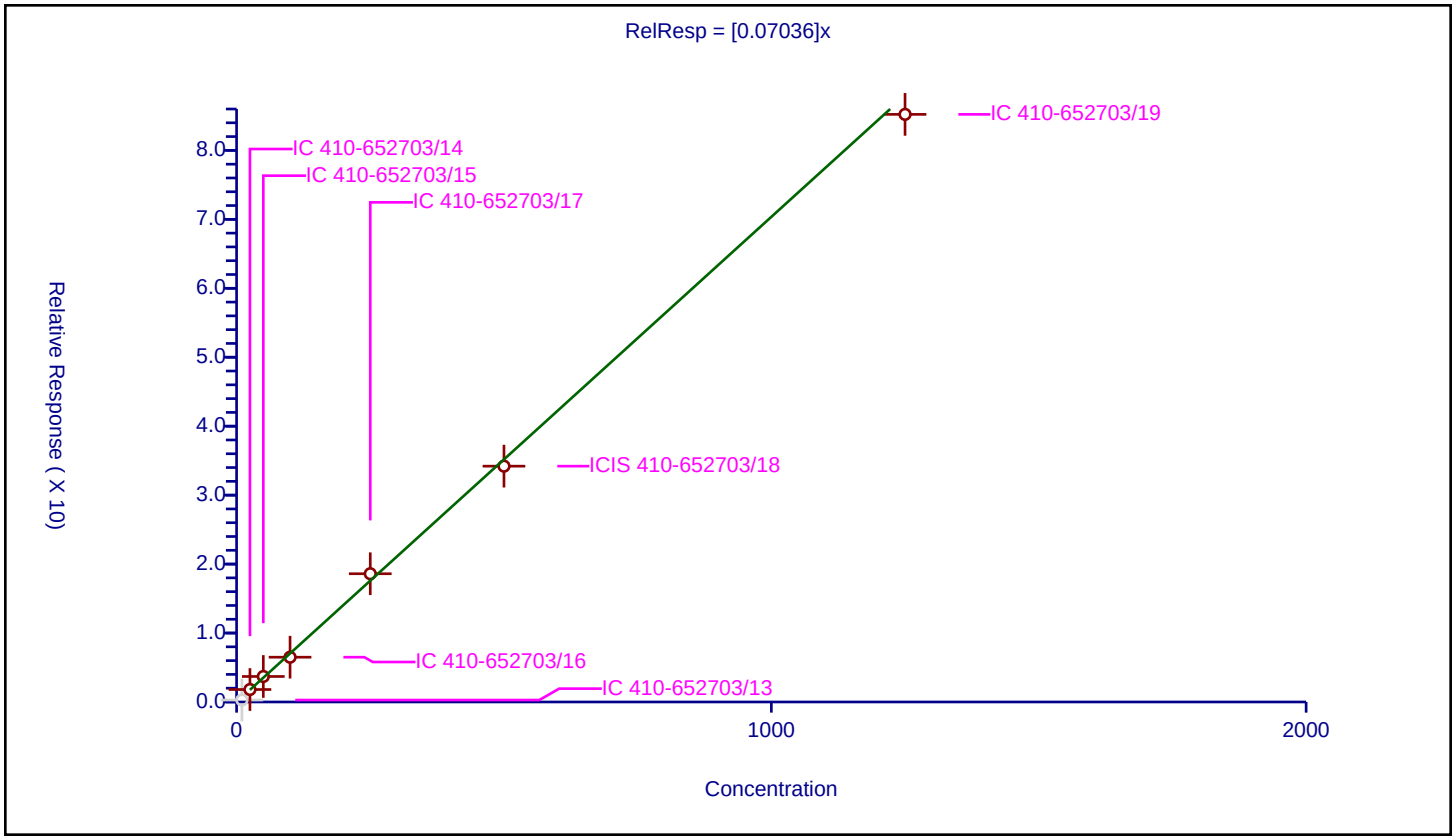
Curve Coefficients

Intercept:	0
Slope:	0.07036

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	0.284782	50.0	176275.0	0.028478	N
2	IC 410-652703/14	25.0	1.806335	50.0	174580.0	0.072253	Y
3	IC 410-652703/15	50.0	3.69837	50.0	173955.0	0.073967	Y
4	IC 410-652703/16	100.0	6.496458	50.0	202164.0	0.064965	Y
5	IC 410-652703/17	250.0	18.599137	50.0	195044.0	0.074397	Y
6	ICIS 410-652703/18	500.0	34.201812	50.0	195687.0	0.068404	Y
7	IC 410-652703/19	1250.0	85.221082	50.0	190156.0	0.068177	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

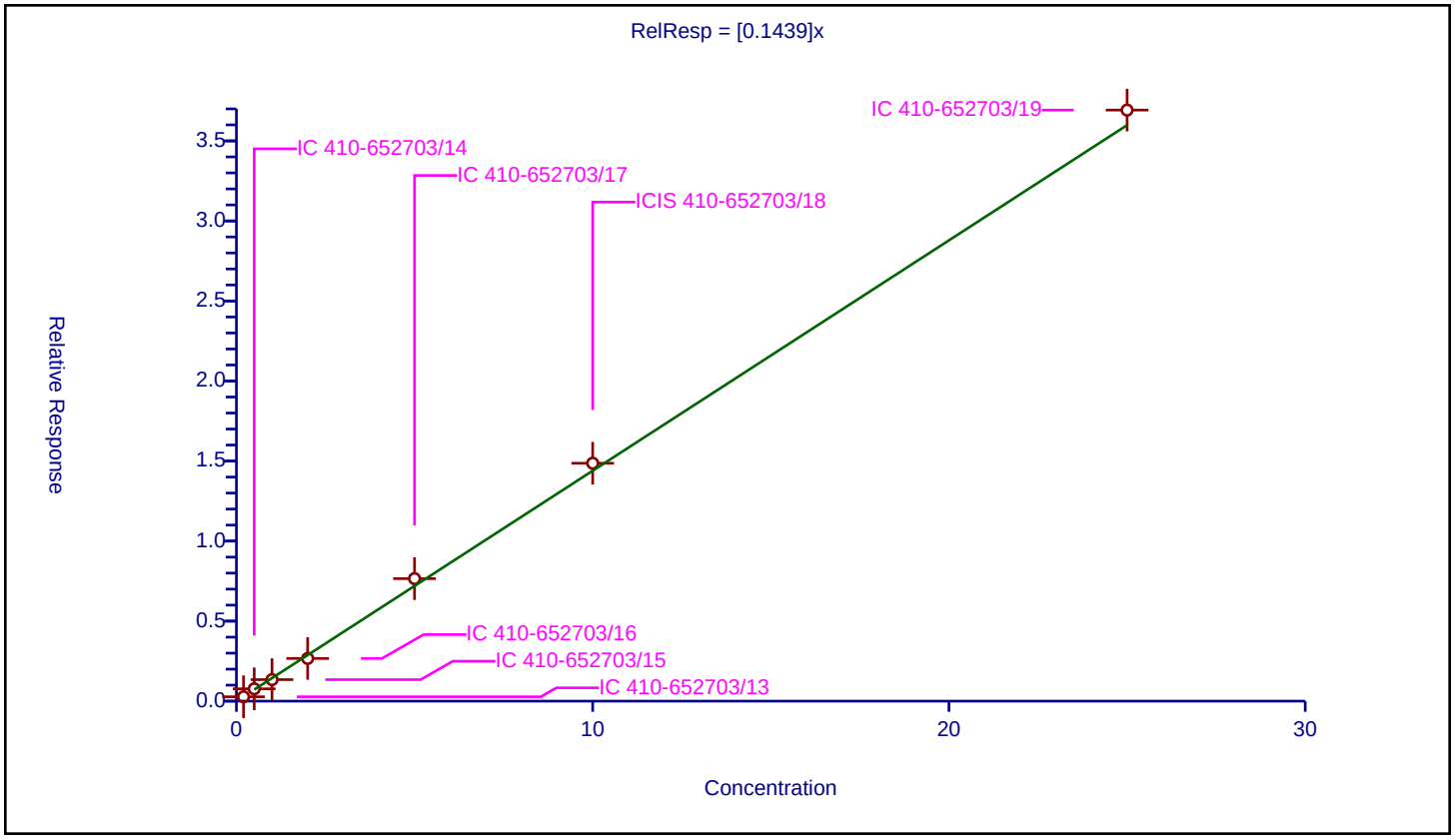
Curve Coefficients

Intercept:	0
Slope:	0.1439

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.027275	10.0	2284843.0	0.136377	Y
2	IC 410-652703/14	0.5	0.077015	10.0	2238774.0	0.154031	Y
3	IC 410-652703/15	1.0	0.1344	10.0	2276632.0	0.1344	Y
4	IC 410-652703/16	2.0	0.266621	10.0	2320746.0	0.133311	Y
5	IC 410-652703/17	5.0	0.765337	10.0	2313176.0	0.153067	Y
6	ICIS 410-652703/18	10.0	1.486351	10.0	2356745.0	0.148635	Y
7	IC 410-652703/19	25.0	3.692587	10.0	2383670.0	0.147703	Y



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Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

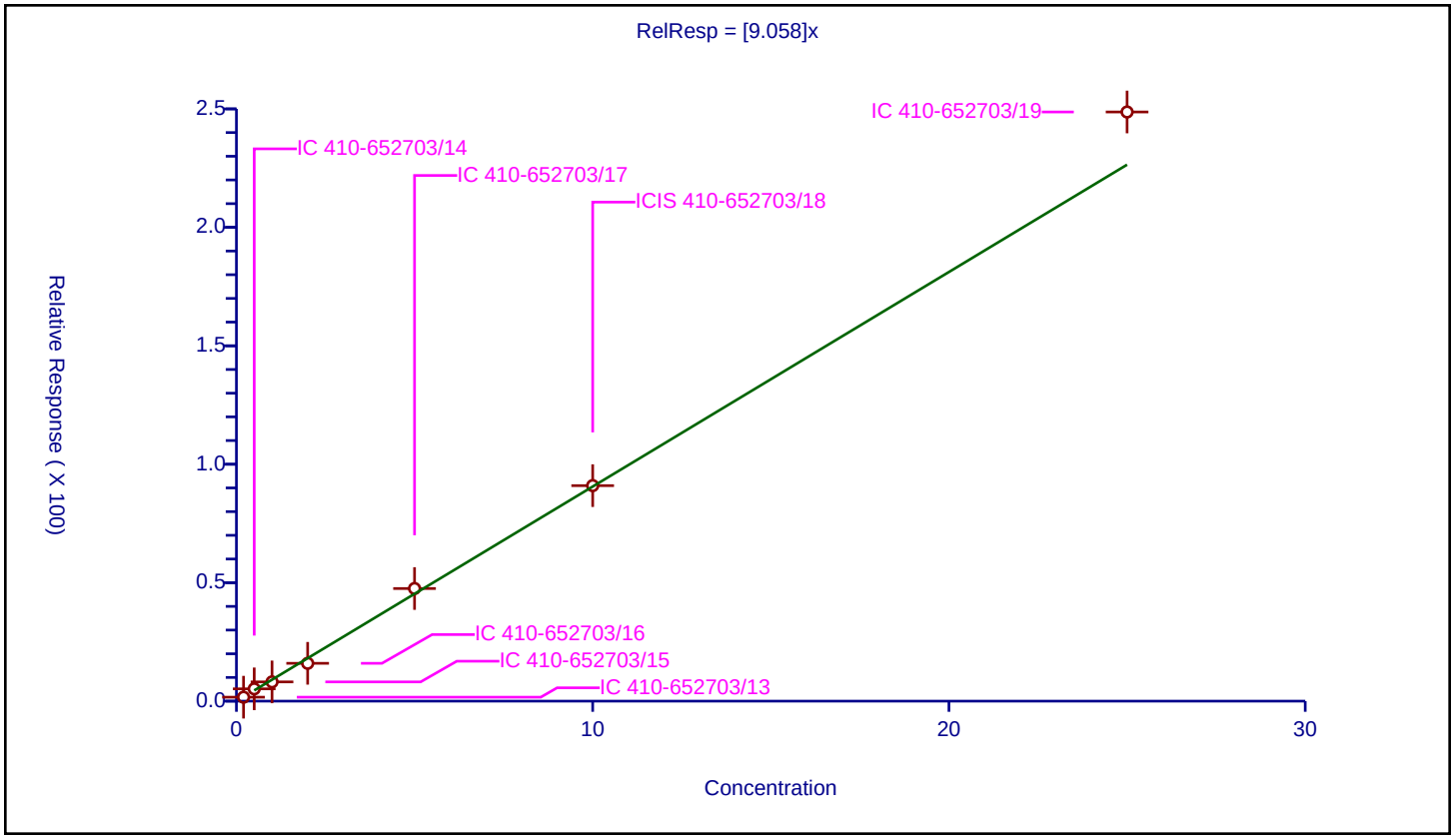
Curve Coefficients

Intercept:	0
Slope:	9.058

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	1.670969	50.0	176275.0	8.354843	Y
2	IC 410-652703/14	0.5	5.191889	50.0	174580.0	10.383778	Y
3	IC 410-652703/15	1.0	8.126814	50.0	173955.0	8.126814	Y
4	IC 410-652703/16	2.0	15.971192	50.0	202164.0	7.985596	Y
5	IC 410-652703/17	5.0	47.542862	50.0	195044.0	9.508572	Y
6	ICIS 410-652703/18	10.0	90.965675	50.0	195687.0	9.096567	Y
7	IC 410-652703/19	25.0	248.695019	50.0	190156.0	9.947801	Y



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Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

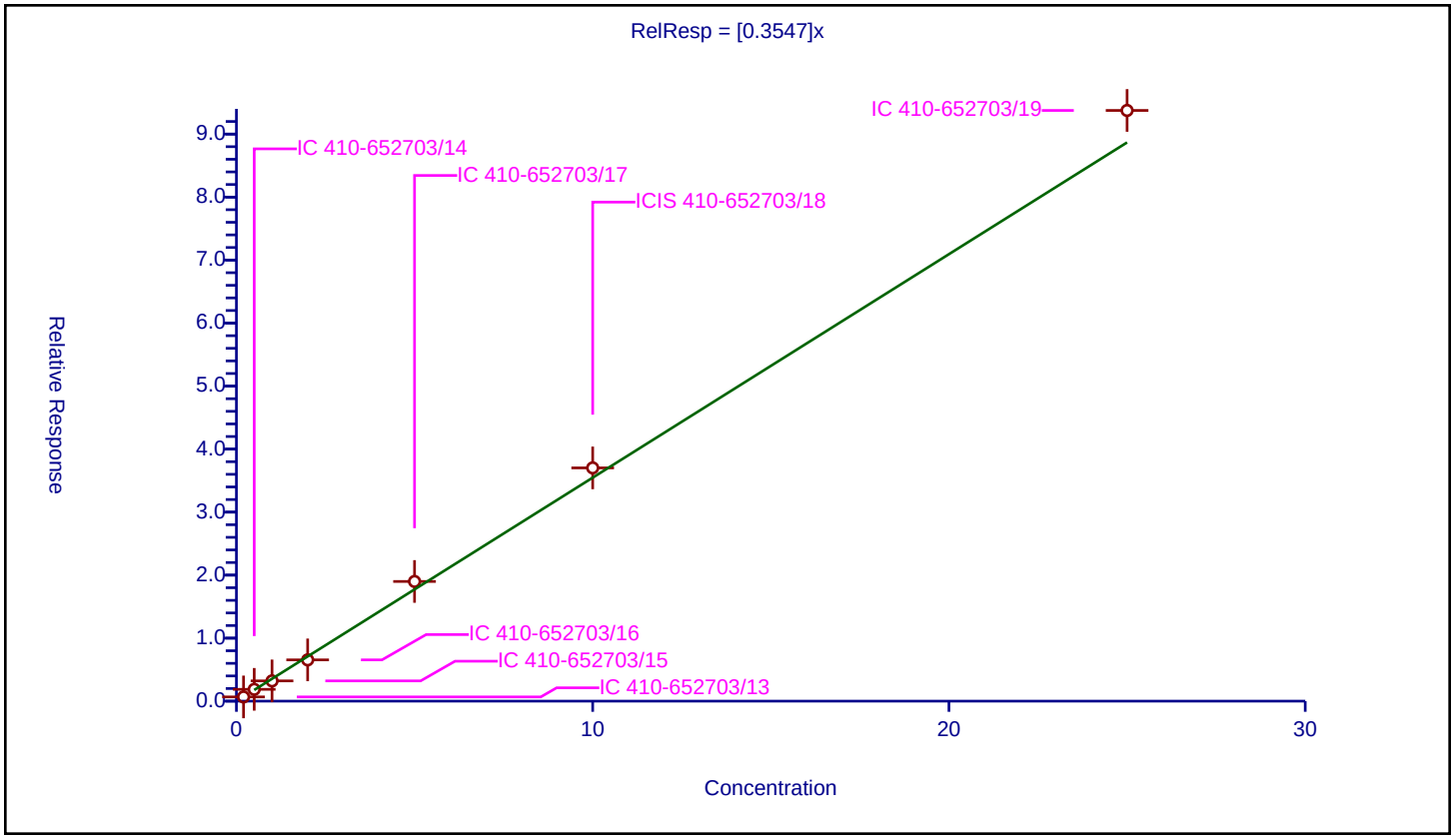
Curve Coefficients

Intercept:	0
Slope:	0.3547

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.066884	10.0	2284843.0	0.334421	Y
2	IC 410-652703/14	0.5	0.187272	10.0	2238774.0	0.374544	Y
3	IC 410-652703/15	1.0	0.321365	10.0	2276632.0	0.321365	Y
4	IC 410-652703/16	2.0	0.654815	10.0	2320746.0	0.327408	Y
5	IC 410-652703/17	5.0	1.899734	10.0	2313176.0	0.379947	Y
6	ICIS 410-652703/18	10.0	3.70217	10.0	2356745.0	0.370217	Y
7	IC 410-652703/19	25.0	9.374993	10.0	2383670.0	0.375	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

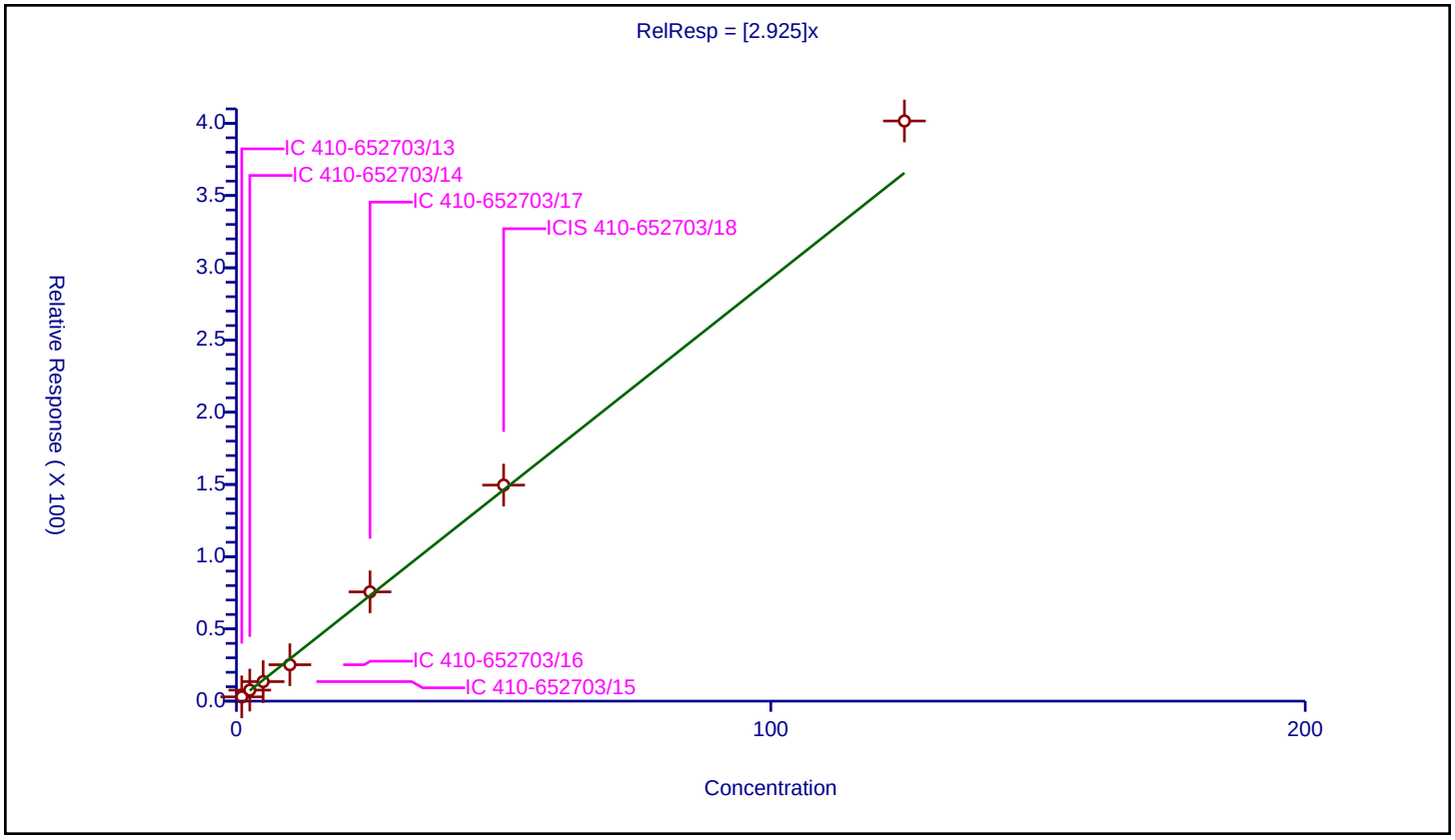
Curve Coefficients

Intercept:	0
Slope:	2.925

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	1.0	2.963268	50.0	176275.0	2.963268	Y
2	IC 410-652703/14	2.5	7.646065	50.0	174580.0	3.058426	Y
3	IC 410-652703/15	5.0	13.520738	50.0	173955.0	2.704148	Y
4	IC 410-652703/16	10.0	25.217892	50.0	202164.0	2.521789	Y
5	IC 410-652703/17	25.0	75.640112	50.0	195044.0	3.025604	Y
6	ICIS 410-652703/18	50.0	149.569466	50.0	195687.0	2.991389	Y
7	IC 410-652703/19	125.0	401.624719	50.0	190156.0	3.212998	Y



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Calibration / 1-Bromo-2-chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

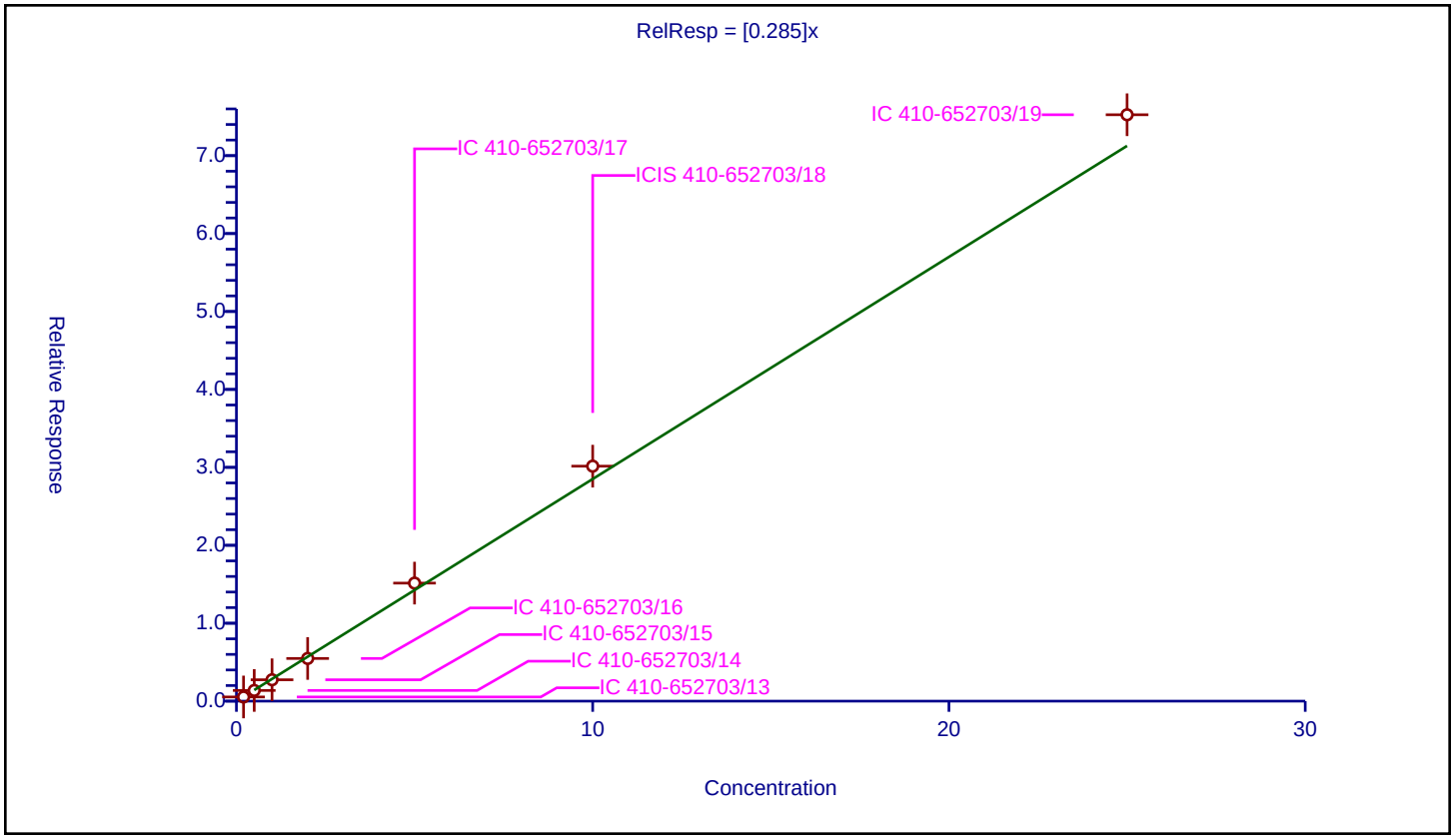
Curve Coefficients

Intercept:	0
Slope:	0.285

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.05336	10.0	2284843.0	0.266802	Y
2	IC 410-652703/14	0.5	0.137365	10.0	2238774.0	0.274731	Y
3	IC 410-652703/15	1.0	0.274287	10.0	2276632.0	0.274287	Y
4	IC 410-652703/16	2.0	0.547755	10.0	2320746.0	0.273877	Y
5	IC 410-652703/17	5.0	1.514636	10.0	2313176.0	0.302927	Y
6	ICIS 410-652703/18	10.0	3.015511	10.0	2356745.0	0.301551	Y
7	IC 410-652703/19	25.0	7.524712	10.0	2383670.0	0.300988	Y



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Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

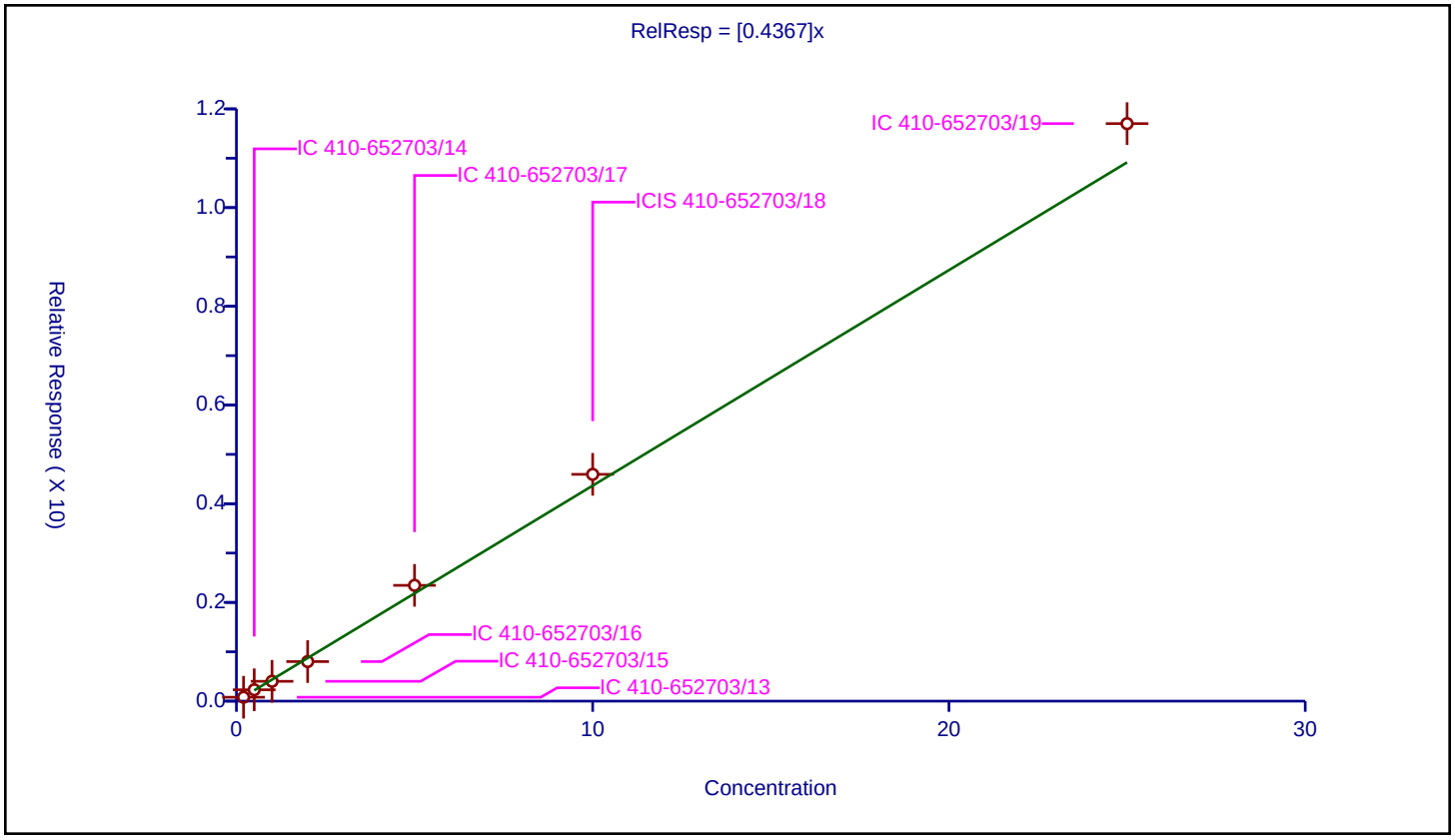
Curve Coefficients

Intercept:	0
Slope:	0.4367

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.079257	10.0	2284843.0	0.396285	Y
2	IC 410-652703/14	0.5	0.230247	10.0	2238774.0	0.460493	Y
3	IC 410-652703/15	1.0	0.40198	10.0	2276632.0	0.40198	Y
4	IC 410-652703/16	2.0	0.801906	10.0	2320746.0	0.400953	Y
5	IC 410-652703/17	5.0	2.34622	10.0	2313176.0	0.469244	Y
6	ICIS 410-652703/18	10.0	4.595673	10.0	2356745.0	0.459567	Y
7	IC 410-652703/19	25.0	11.701385	10.0	2383670.0	0.468055	Y



Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

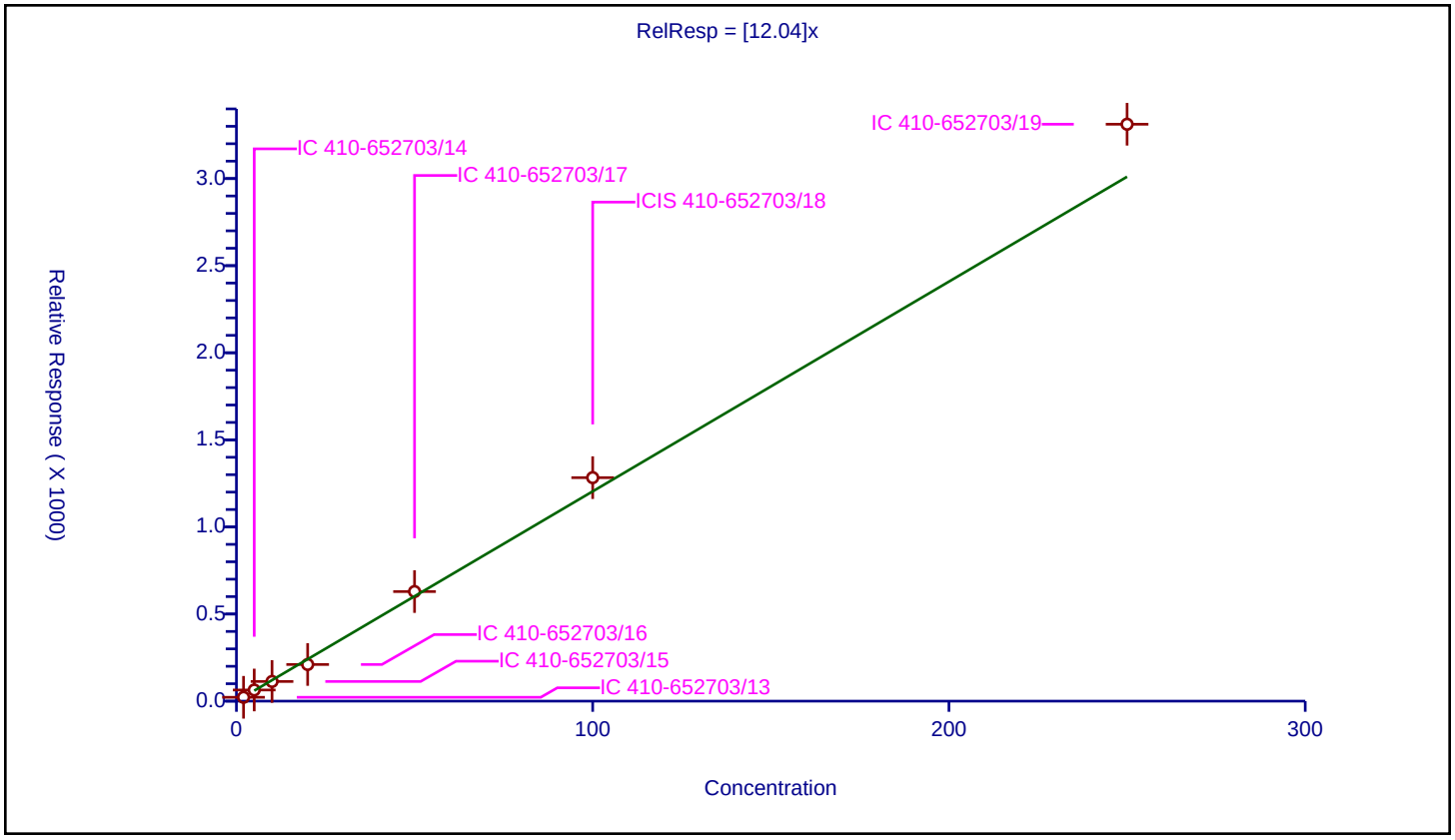
Curve Coefficients

Intercept:	0
Slope:	12.04

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	22.034321	50.0	176275.0	11.017161	Y
2	IC 410-652703/14	5.0	64.04886	50.0	174580.0	12.809772	Y
3	IC 410-652703/15	10.0	112.896439	50.0	173955.0	11.289644	Y
4	IC 410-652703/16	20.0	210.425447	50.0	202164.0	10.521272	Y
5	IC 410-652703/17	50.0	629.04037	50.0	195044.0	12.580807	Y
6	ICIS 410-652703/18	100.0	1282.999637	50.0	195687.0	12.829996	Y
7	IC 410-652703/19	250.0	3311.886819	50.0	190156.0	13.247547	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

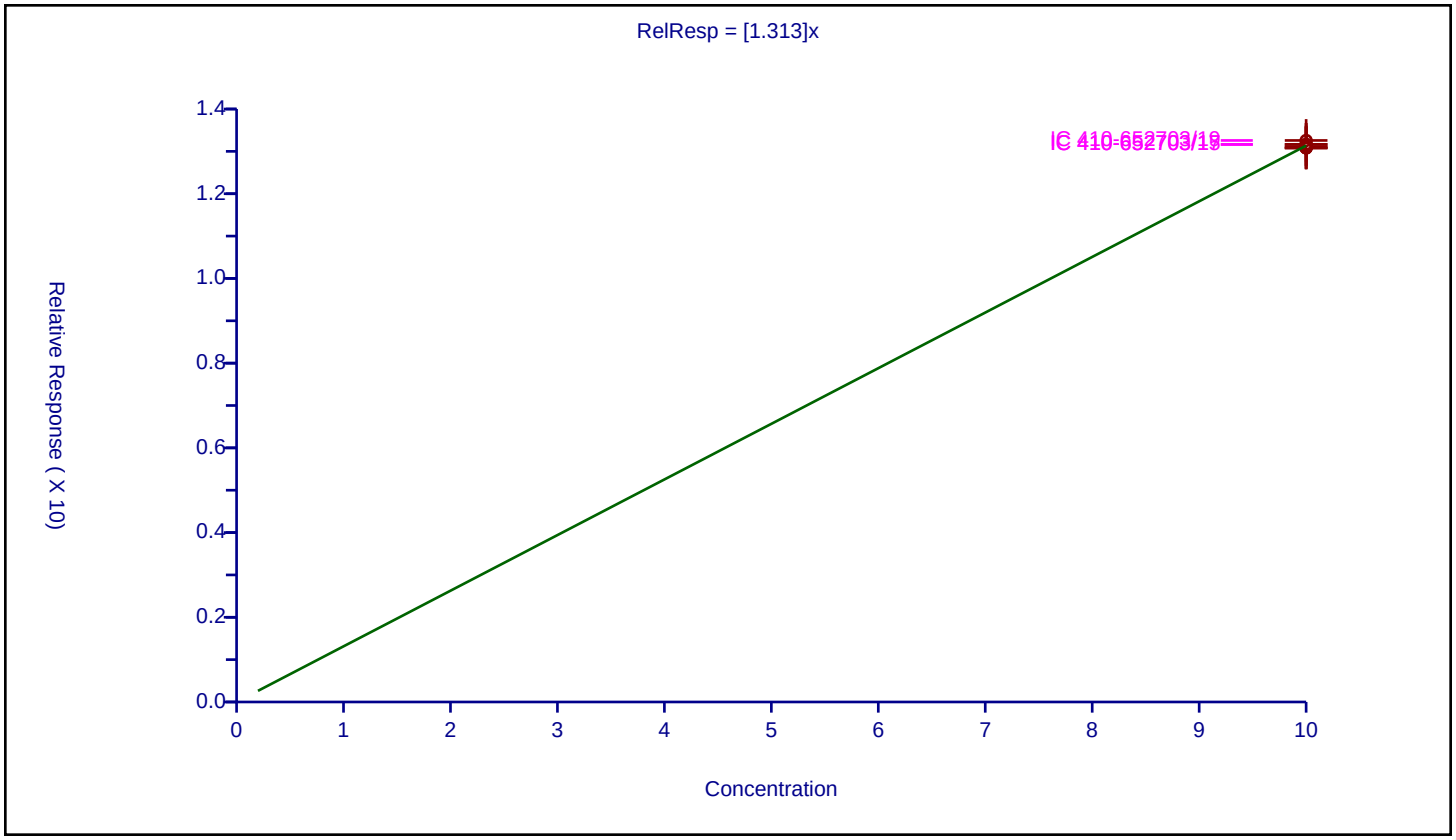
Curve Coefficients

Intercept:	0
Slope:	1.313

Error Coefficients

Relative Standard Deviation:	0.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	13.085266	10.0	1724253.0	1.308527	Y
2	IC 410-652703/14	10.0	13.079941	10.0	1709468.0	1.307994	Y
3	IC 410-652703/15	10.0	13.164694	10.0	1726233.0	1.316469	Y
4	IC 410-652703/16	10.0	13.082591	10.0	1782828.0	1.308259	Y
5	IC 410-652703/17	10.0	13.163022	10.0	1764929.0	1.316302	Y
6	ICIS 410-652703/18	10.0	13.105841	10.0	1784969.0	1.310584	Y
7	IC 410-652703/19	10.0	13.25792	10.0	1791241.0	1.325792	Y



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Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

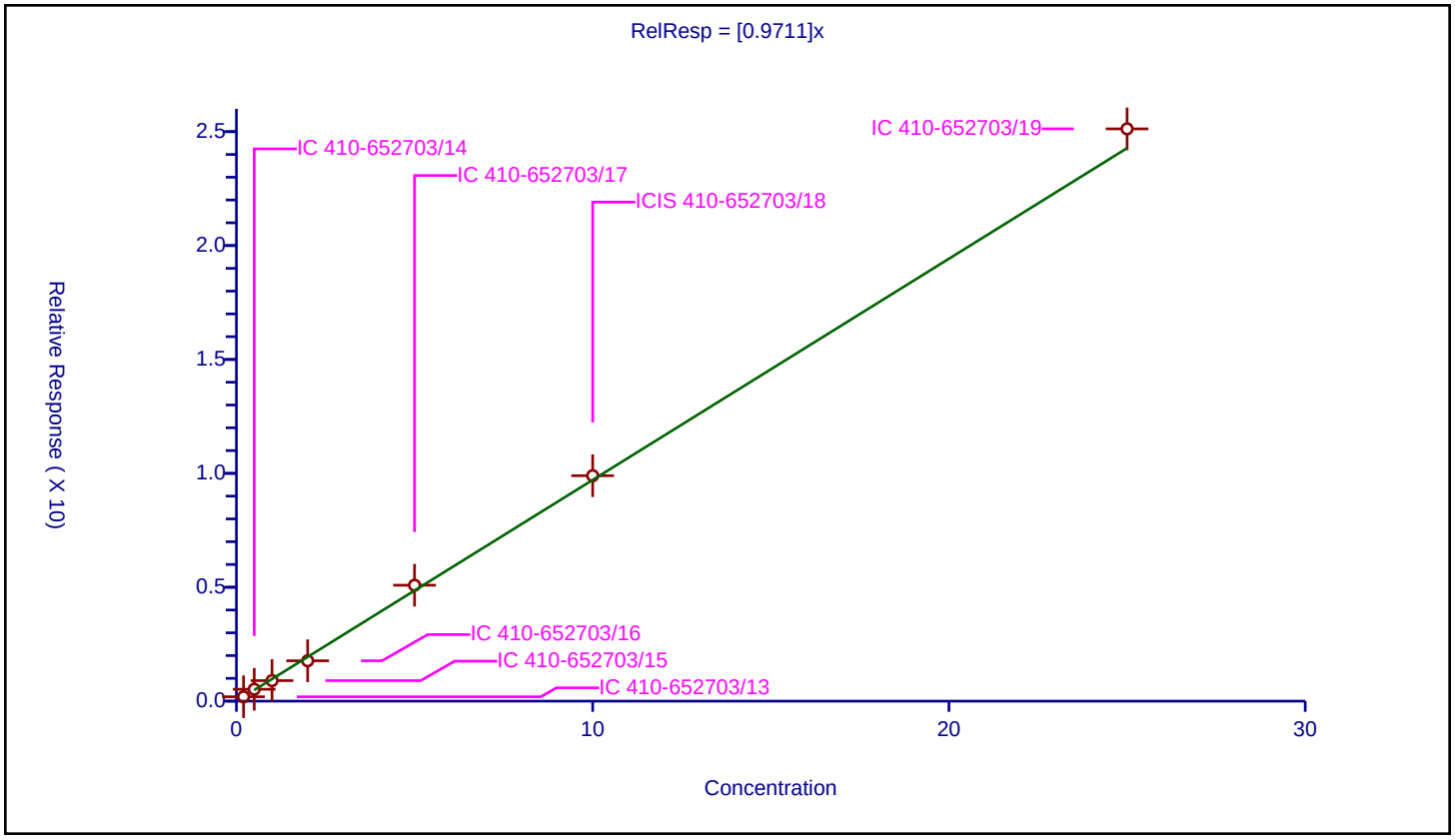
Curve Coefficients

Intercept:	0
Slope:	0.9711

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.190755	10.0	1724253.0	0.953775	Y
2	IC 410-652703/14	0.5	0.522209	10.0	1709468.0	1.044418	Y
3	IC 410-652703/15	1.0	0.900973	10.0	1726233.0	0.900973	Y
4	IC 410-652703/16	2.0	1.771702	10.0	1782828.0	0.885851	Y
5	IC 410-652703/17	5.0	5.089519	10.0	1764929.0	1.017904	Y
6	ICIS 410-652703/18	10.0	9.897645	10.0	1784969.0	0.989765	Y
7	IC 410-652703/19	25.0	25.123264	10.0	1791241.0	1.004931	Y



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Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

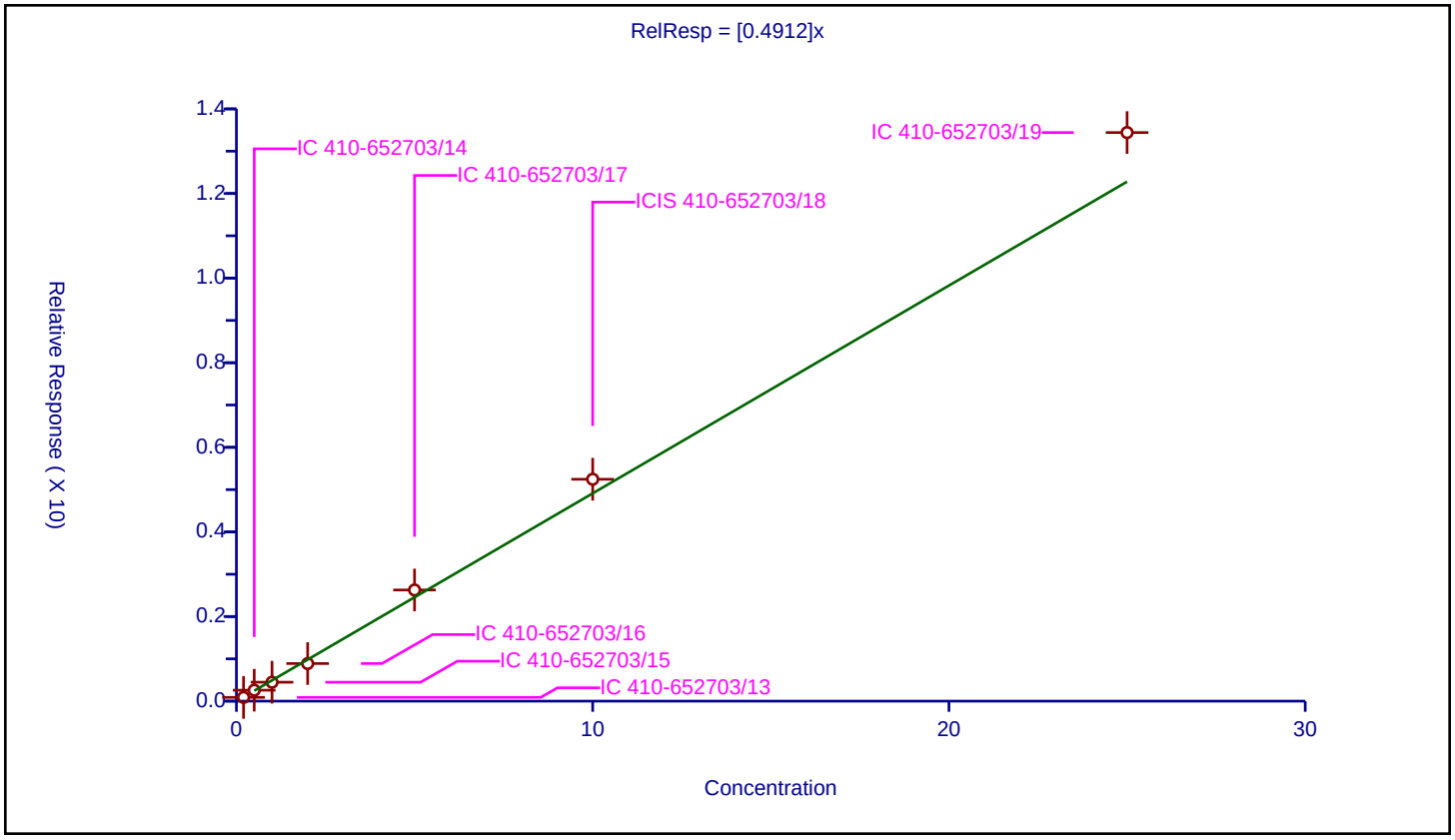
Curve Coefficients

Intercept:	0
Slope:	0.4912

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.088473	10.0	1724253.0	0.442365	Y
2	IC 410-652703/14	0.5	0.258238	10.0	1709468.0	0.516476	Y
3	IC 410-652703/15	1.0	0.447616	10.0	1726233.0	0.447616	Y
4	IC 410-652703/16	2.0	0.888398	10.0	1782828.0	0.444199	Y
5	IC 410-652703/17	5.0	2.627409	10.0	1764929.0	0.525482	Y
6	ICIS 410-652703/18	10.0	5.245178	10.0	1784969.0	0.524518	Y
7	IC 410-652703/19	25.0	13.440514	10.0	1791241.0	0.537621	Y



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Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

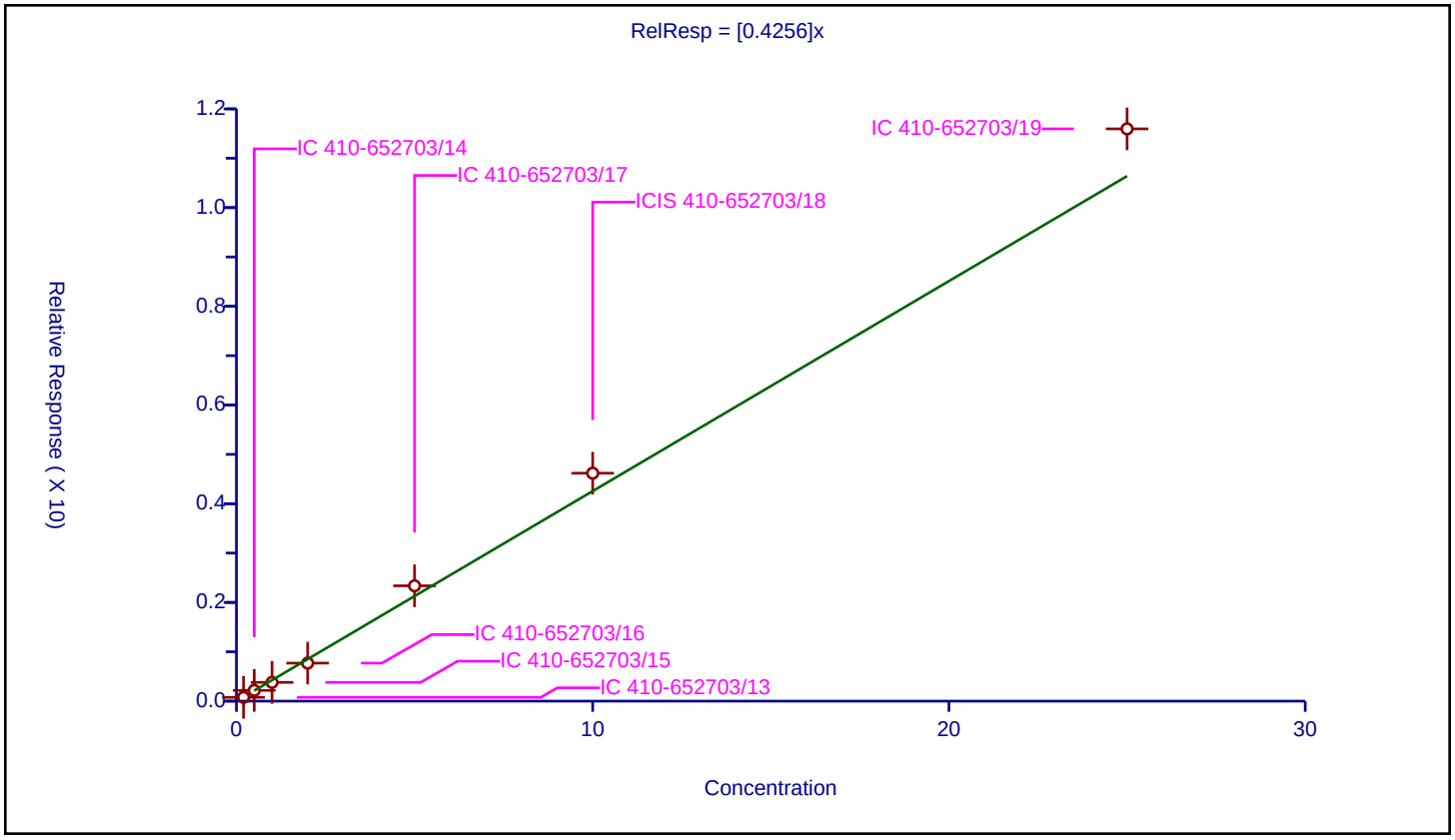
Curve Coefficients

Intercept:	0
Slope:	0.4256

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.076984	10.0	1724253.0	0.38492	Y
2	IC 410-652703/14	0.5	0.217647	10.0	1709468.0	0.435293	Y
3	IC 410-652703/15	1.0	0.380366	10.0	1726233.0	0.380366	Y
4	IC 410-652703/16	2.0	0.770473	10.0	1782828.0	0.385236	Y
5	IC 410-652703/17	5.0	2.336876	10.0	1764929.0	0.467375	Y
6	ICIS 410-652703/18	10.0	4.618489	10.0	1784969.0	0.461849	Y
7	IC 410-652703/19	25.0	11.595503	10.0	1791241.0	0.46382	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

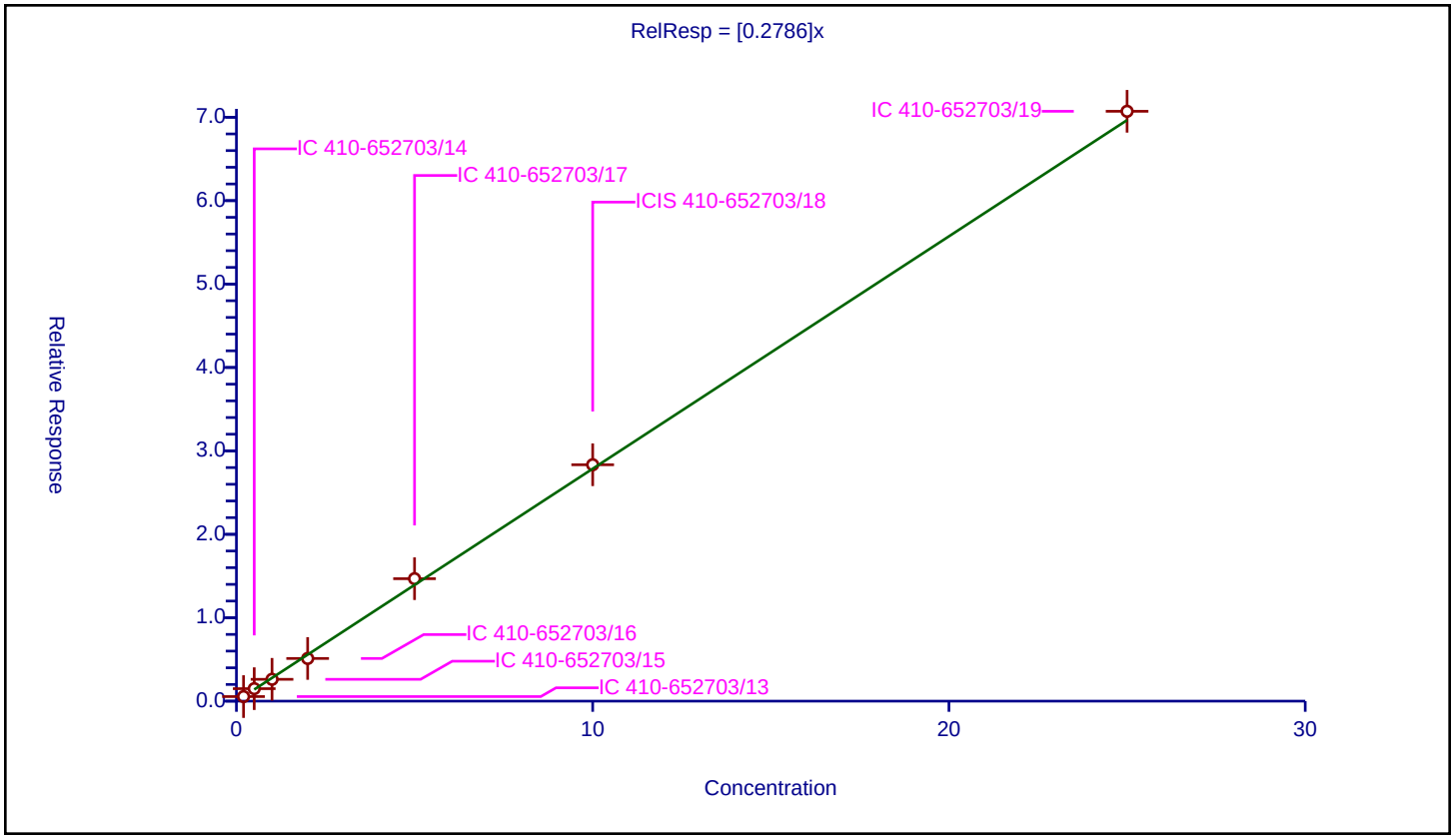
Curve Coefficients

Intercept:	0
Slope:	0.2786

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.054777	10.0	1724253.0	0.273887	Y
2	IC 410-652703/14	0.5	0.14952	10.0	1709468.0	0.29904	Y
3	IC 410-652703/15	1.0	0.261813	10.0	1726233.0	0.261813	Y
4	IC 410-652703/16	2.0	0.511564	10.0	1782828.0	0.255782	Y
5	IC 410-652703/17	5.0	1.467861	10.0	1764929.0	0.293572	Y
6	ICIS 410-652703/18	10.0	2.833758	10.0	1784969.0	0.283376	Y
7	IC 410-652703/19	25.0	7.071131	10.0	1791241.0	0.282845	Y



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Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

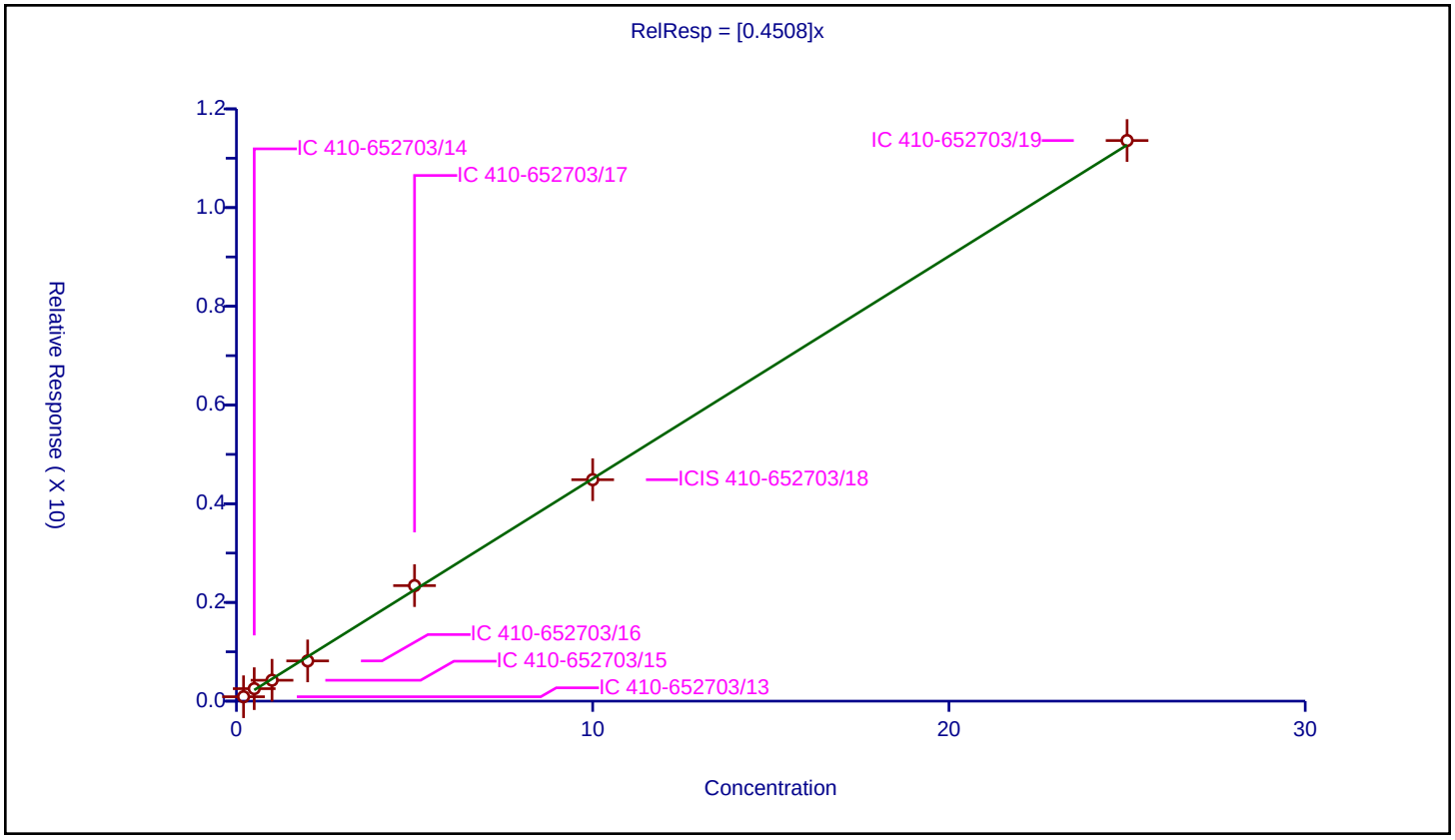
Curve Coefficients

Intercept:	0
Slope:	0.4508

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.089563	10.0	1724253.0	0.447817	Y
2	IC 410-652703/14	0.5	0.252576	10.0	1709468.0	0.505151	Y
3	IC 410-652703/15	1.0	0.423442	10.0	1726233.0	0.423442	Y
4	IC 410-652703/16	2.0	0.815171	10.0	1782828.0	0.407586	Y
5	IC 410-652703/17	5.0	2.340978	10.0	1764929.0	0.468196	Y
6	ICIS 410-652703/18	10.0	4.487187	10.0	1784969.0	0.448719	Y
7	IC 410-652703/19	25.0	11.358907	10.0	1791241.0	0.454356	Y



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Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

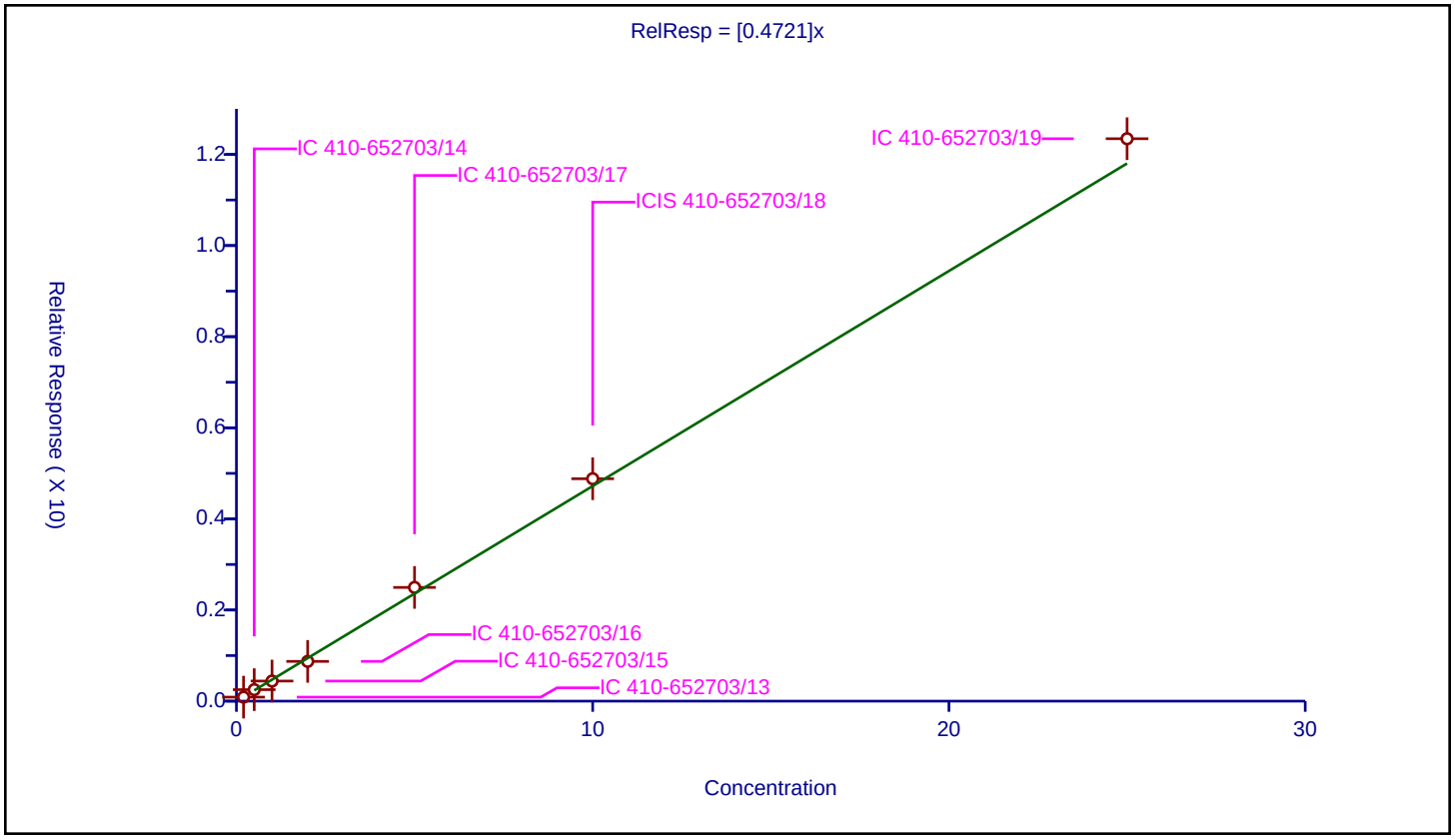
Curve Coefficients

Intercept:	0
Slope:	0.4721

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.088259	10.0	1724253.0	0.441293	Y
2	IC 410-652703/14	0.5	0.252505	10.0	1709468.0	0.505011	Y
3	IC 410-652703/15	1.0	0.441041	10.0	1726233.0	0.441041	Y
4	IC 410-652703/16	2.0	0.872311	10.0	1782828.0	0.436155	Y
5	IC 410-652703/17	5.0	2.49614	10.0	1764929.0	0.499228	Y
6	ICIS 410-652703/18	10.0	4.882135	10.0	1784969.0	0.488214	Y
7	IC 410-652703/19	25.0	12.345301	10.0	1791241.0	0.493812	Y



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Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

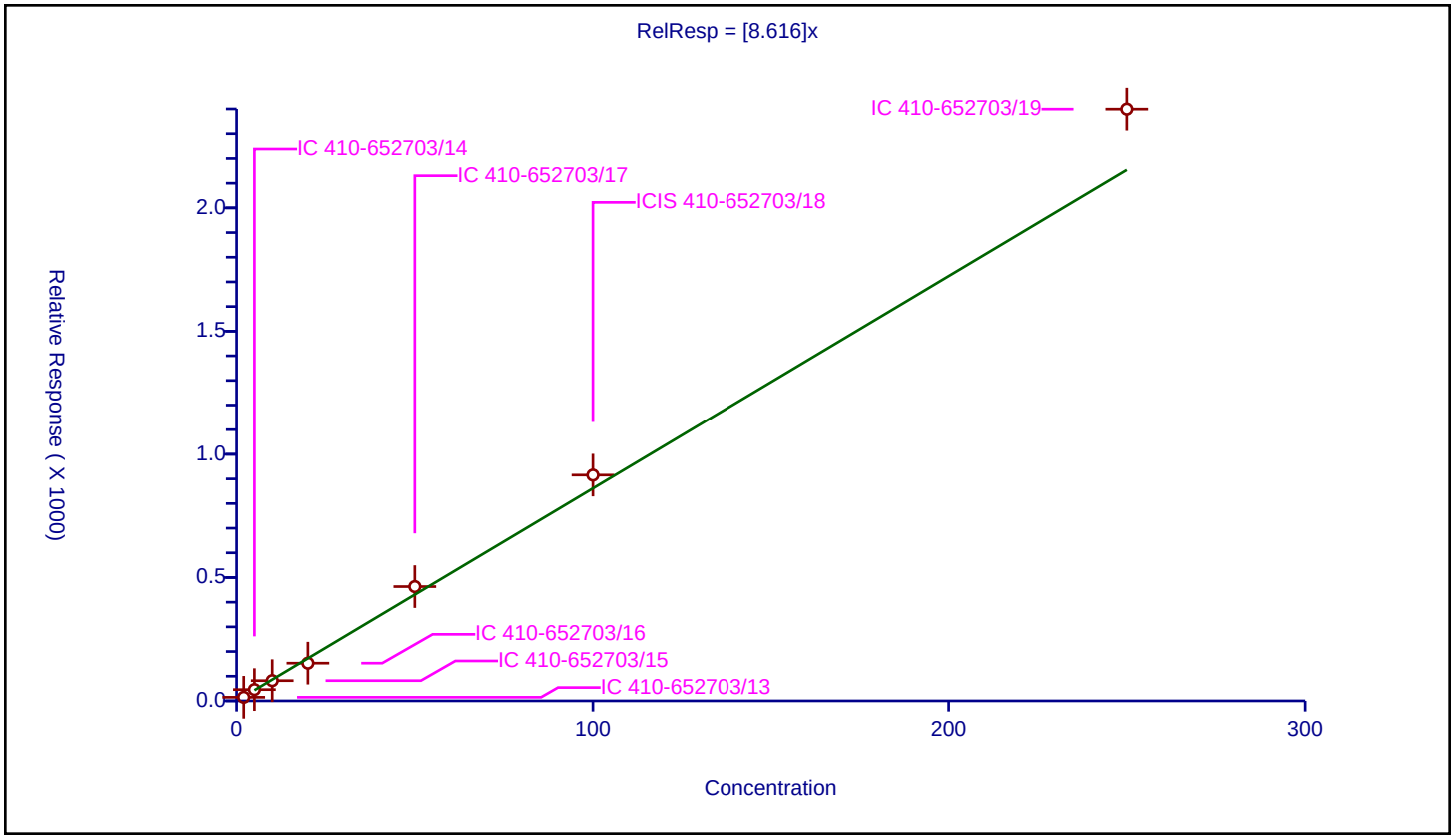
Curve Coefficients

Intercept:	0
Slope:	8.616

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	14.623741	50.0	176275.0	7.311871	Y
2	IC 410-652703/14	5.0	45.719441	50.0	174580.0	9.143888	Y
3	IC 410-652703/15	10.0	81.942456	50.0	173955.0	8.194246	Y
4	IC 410-652703/16	20.0	152.905562	50.0	202164.0	7.645278	Y
5	IC 410-652703/17	50.0	463.306741	50.0	195044.0	9.266135	Y
6	ICIS 410-652703/18	100.0	915.52888	50.0	195687.0	9.155289	Y
7	IC 410-652703/19	250.0	2399.279802	50.0	190156.0	9.597119	Y



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Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

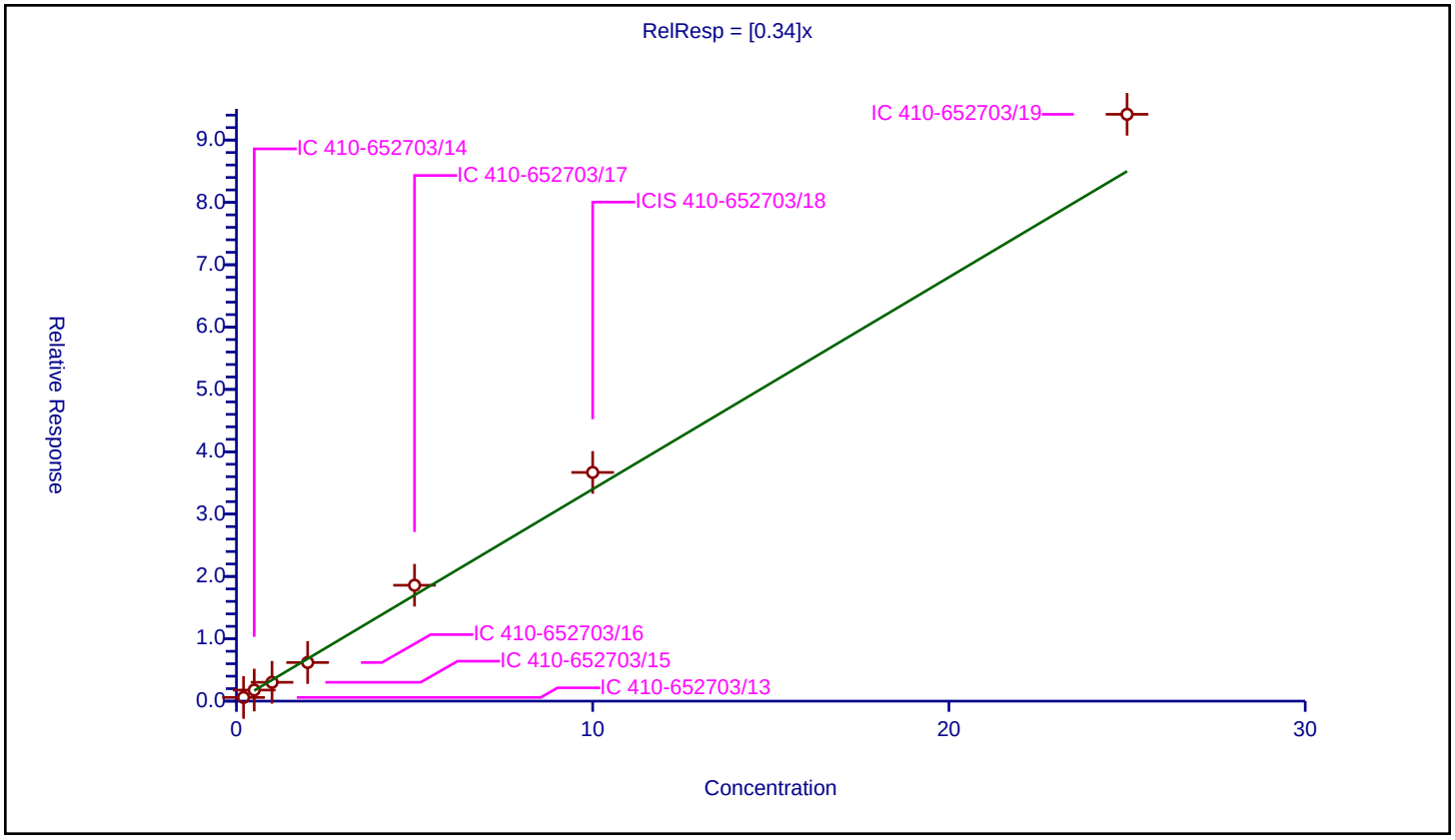
Curve Coefficients

Intercept:	0
Slope:	0.34

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.059382	10.0	1724253.0	0.296911	Y
2	IC 410-652703/14	0.5	0.177915	10.0	1709468.0	0.35583	Y
3	IC 410-652703/15	1.0	0.302143	10.0	1726233.0	0.302143	Y
4	IC 410-652703/16	2.0	0.619706	10.0	1782828.0	0.309853	Y
5	IC 410-652703/17	5.0	1.859236	10.0	1764929.0	0.371847	Y
6	ICIS 410-652703/18	10.0	3.668865	10.0	1784969.0	0.366886	Y
7	IC 410-652703/19	25.0	9.413306	10.0	1791241.0	0.376532	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

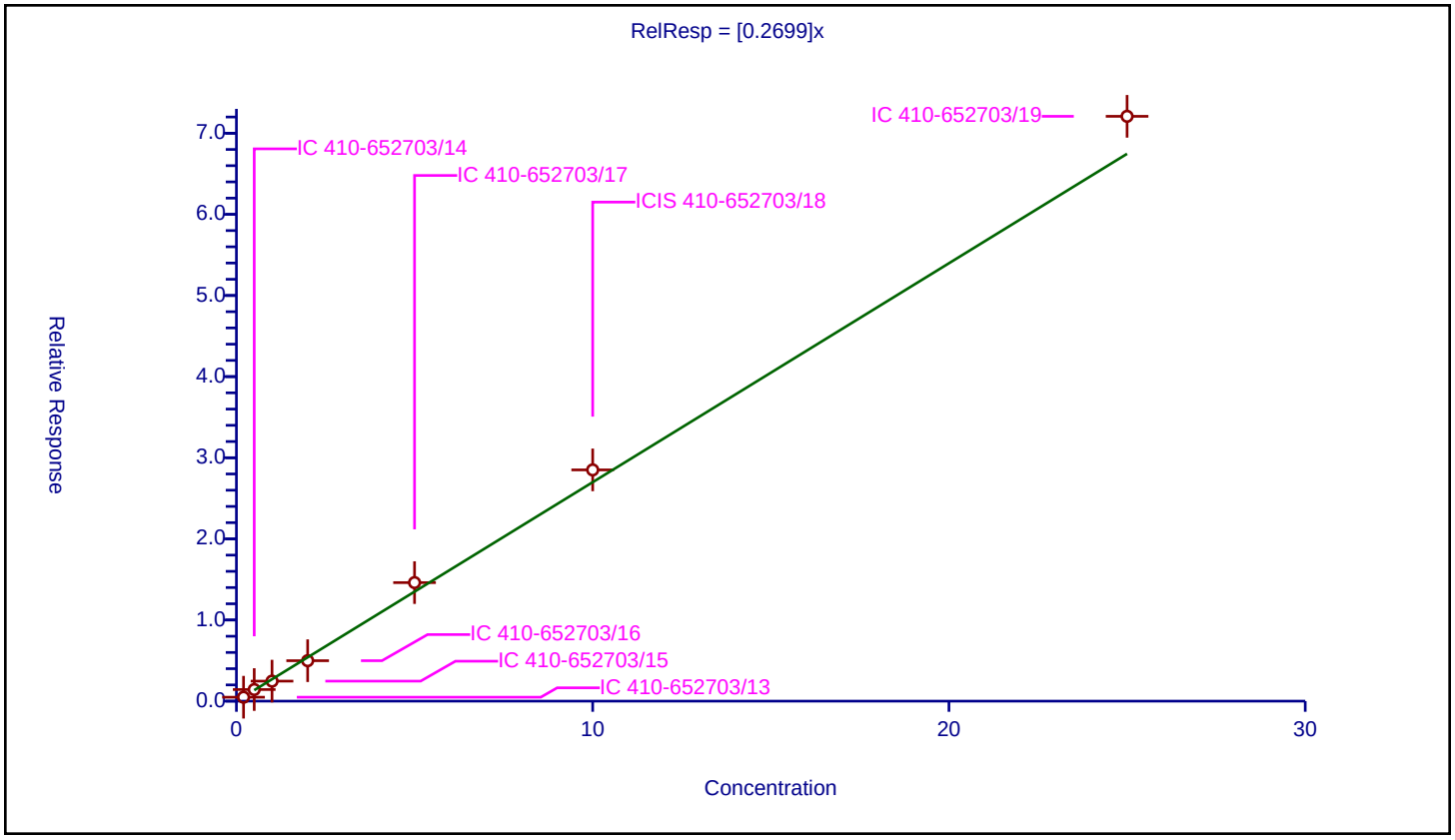
Curve Coefficients

Intercept:	0
Slope:	0.2699

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.04827	10.0	1724253.0	0.241351	Y
2	IC 410-652703/14	0.5	0.143121	10.0	1709468.0	0.286241	Y
3	IC 410-652703/15	1.0	0.246601	10.0	1726233.0	0.246601	Y
4	IC 410-652703/16	2.0	0.498534	10.0	1782828.0	0.249267	Y
5	IC 410-652703/17	5.0	1.461084	10.0	1764929.0	0.292217	Y
6	ICIS 410-652703/18	10.0	2.850341	10.0	1784969.0	0.285034	Y
7	IC 410-652703/19	25.0	7.208511	10.0	1791241.0	0.28834	Y



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Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

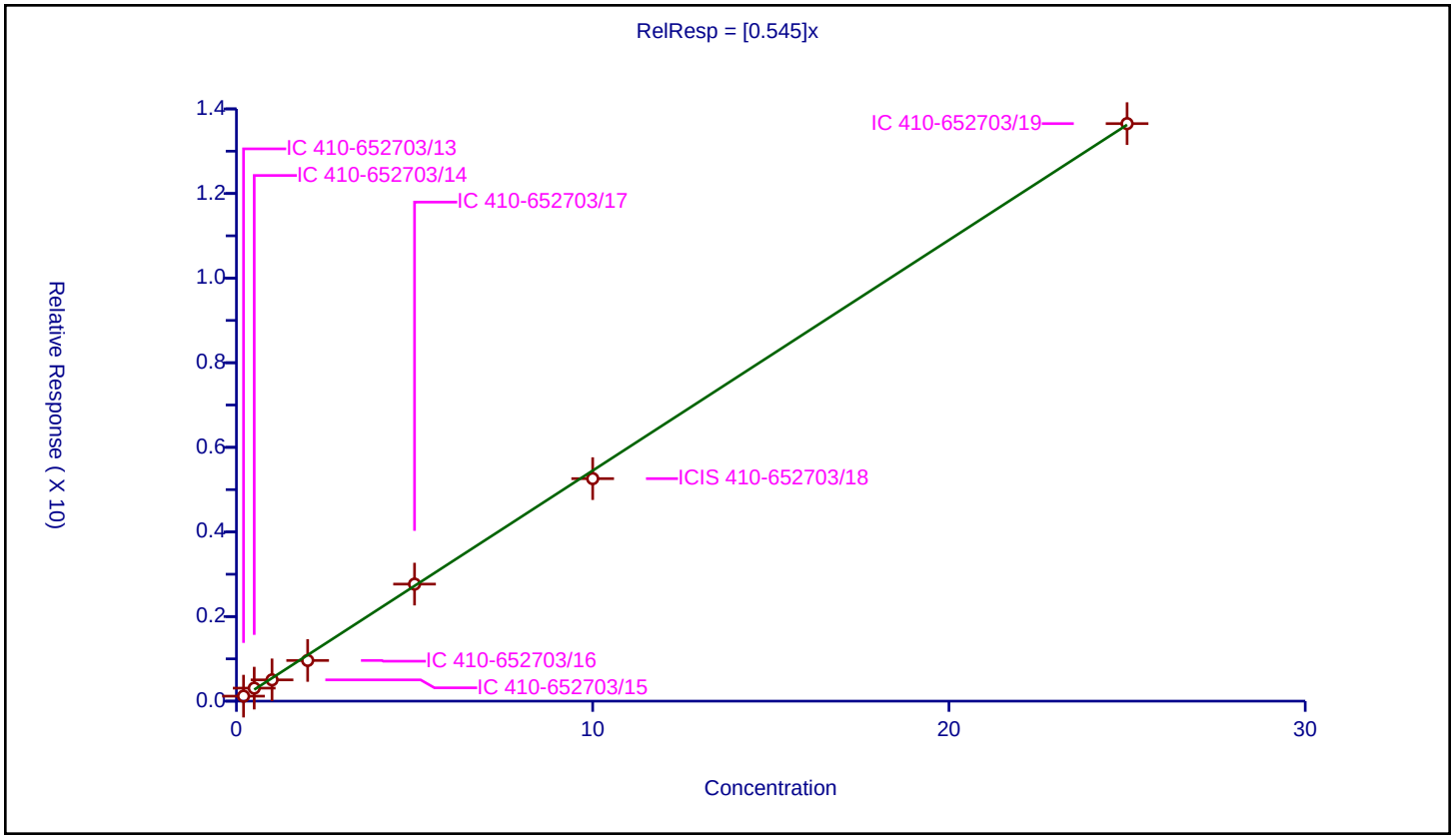
Curve Coefficients

Intercept:	0
Slope:	0.545

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.118248	10.0	1724253.0	0.591242	Y
2	IC 410-652703/14	0.5	0.30747	10.0	1709468.0	0.61494	Y
3	IC 410-652703/15	1.0	0.502528	10.0	1726233.0	0.502528	Y
4	IC 410-652703/16	2.0	0.961489	10.0	1782828.0	0.480745	Y
5	IC 410-652703/17	5.0	2.766553	10.0	1764929.0	0.553311	Y
6	ICIS 410-652703/18	10.0	5.25975	10.0	1784969.0	0.525975	Y
7	IC 410-652703/19	25.0	13.651865	10.0	1791241.0	0.546075	Y



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Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

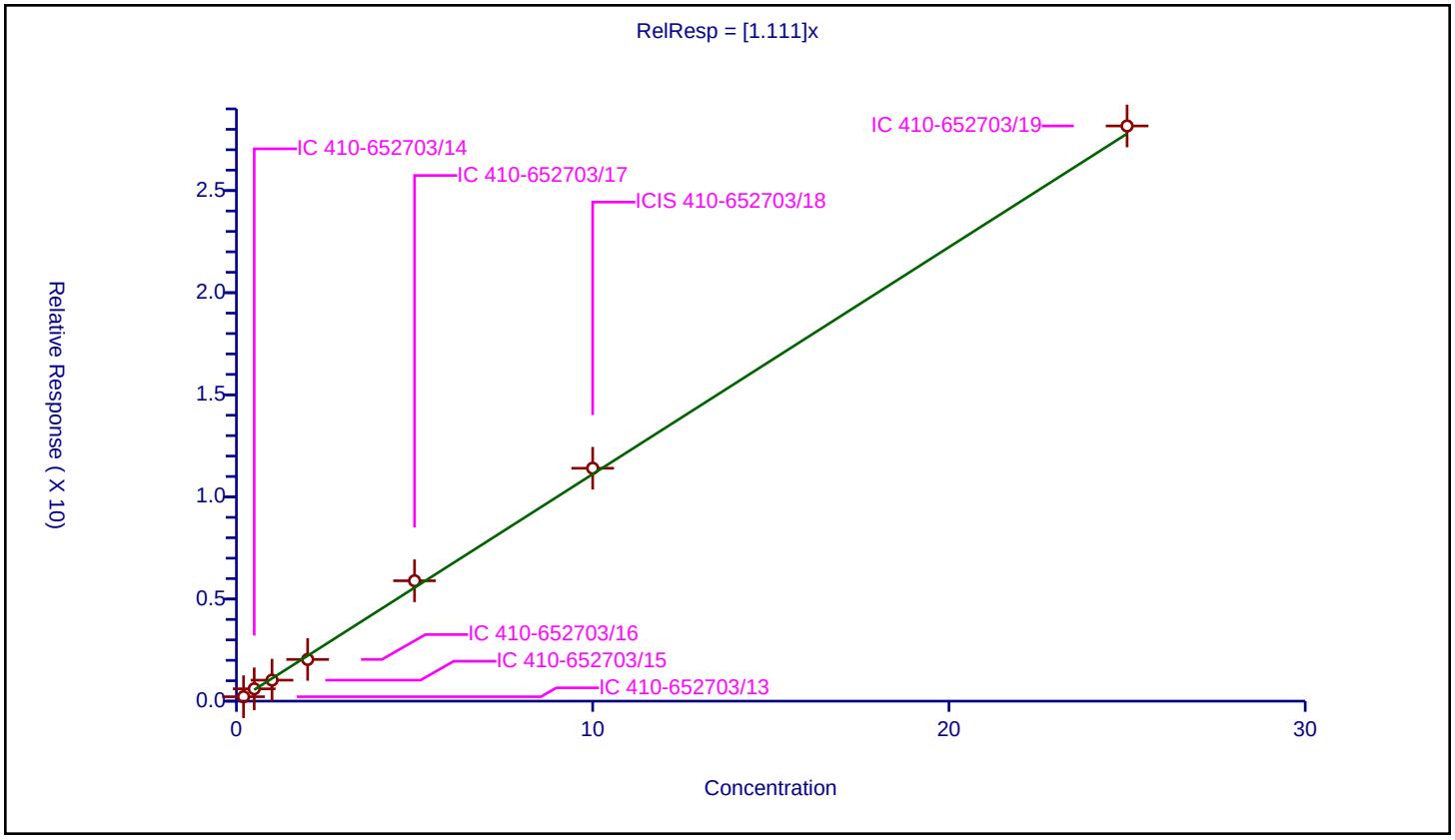
Curve Coefficients

Intercept:	0
Slope:	1.111

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.215566	10.0	1724253.0	1.077829	Y
2	IC 410-652703/14	0.5	0.603761	10.0	1709468.0	1.207522	Y
3	IC 410-652703/15	1.0	1.0281	10.0	1726233.0	1.0281	Y
4	IC 410-652703/16	2.0	2.041453	10.0	1782828.0	1.020727	Y
5	IC 410-652703/17	5.0	5.893586	10.0	1764929.0	1.178717	Y
6	ICIS 410-652703/18	10.0	11.404641	10.0	1784969.0	1.140464	Y
7	IC 410-652703/19	25.0	28.163474	10.0	1791241.0	1.126539	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

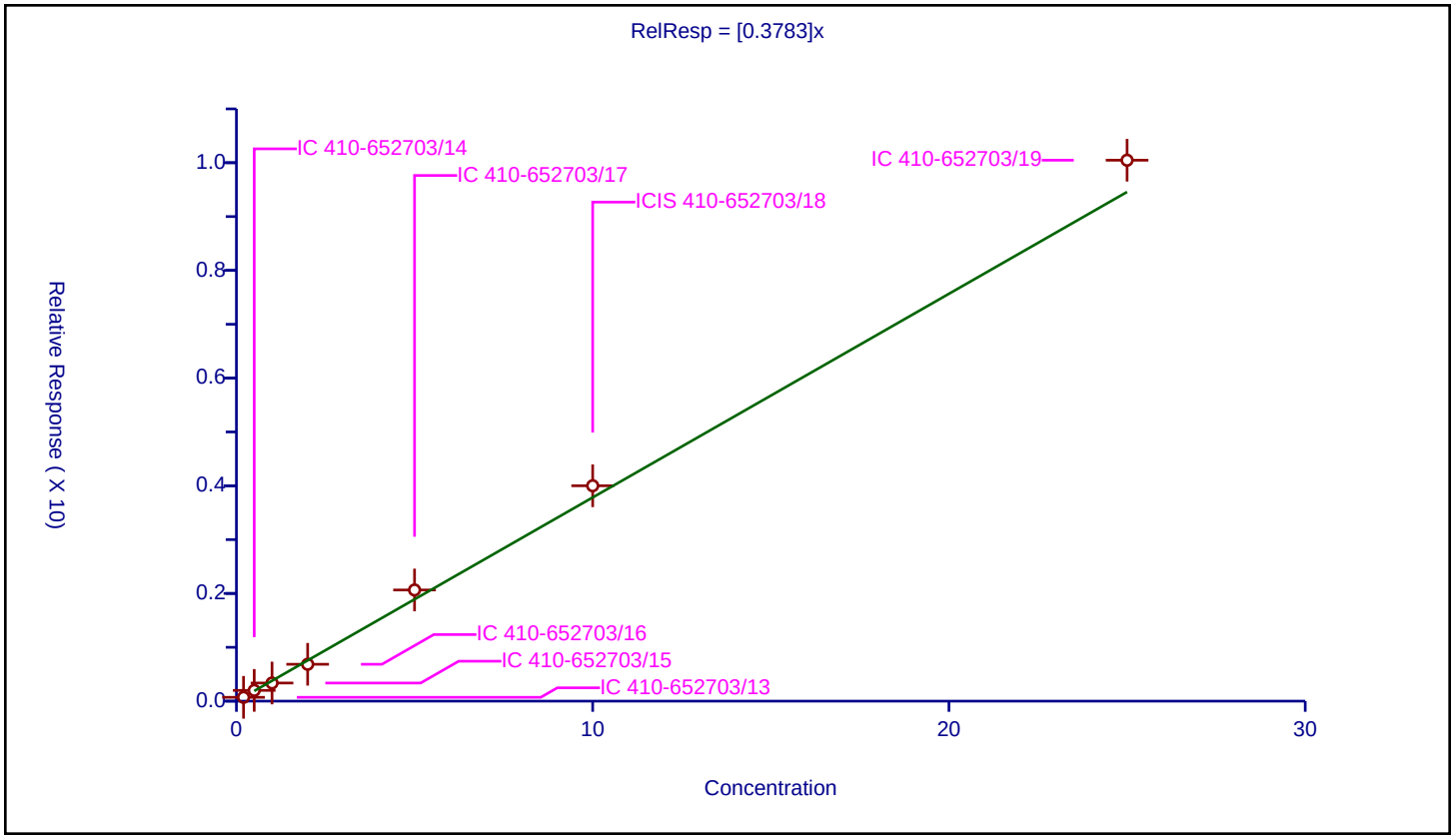
Curve Coefficients

Intercept:	0
Slope:	0.3783

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.071039	10.0	1724253.0	0.355197	Y
2	IC 410-652703/14	0.5	0.199512	10.0	1709468.0	0.399025	Y
3	IC 410-652703/15	1.0	0.336559	10.0	1726233.0	0.336559	Y
4	IC 410-652703/16	2.0	0.684805	10.0	1782828.0	0.342403	Y
5	IC 410-652703/17	5.0	2.064763	10.0	1764929.0	0.412953	Y
6	ICIS 410-652703/18	10.0	4.000193	10.0	1784969.0	0.400019	Y
7	IC 410-652703/19	25.0	10.046532	10.0	1791241.0	0.401861	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

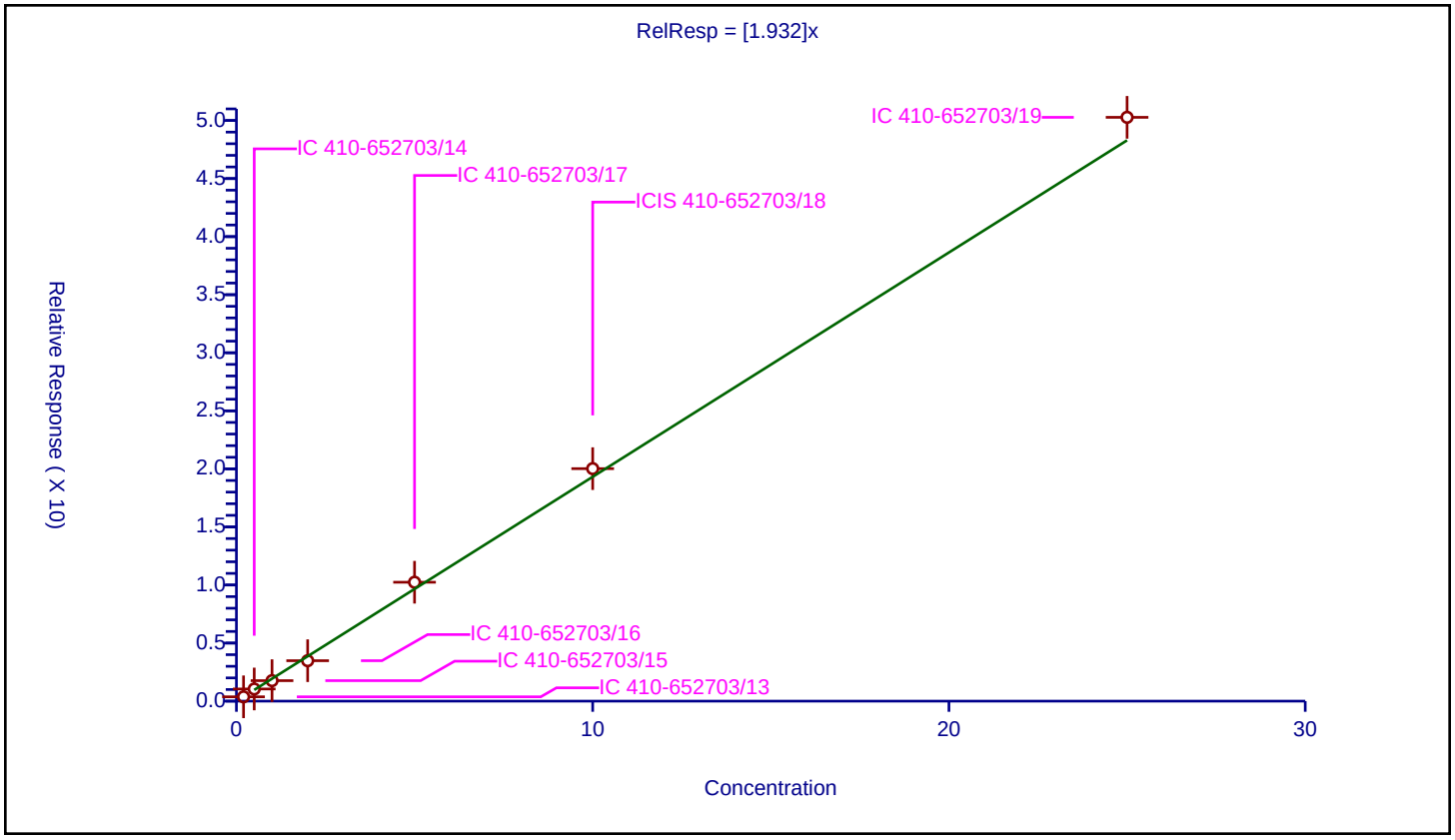
Curve Coefficients

Intercept:	0
Slope:	1.932

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.372544	10.0	1724253.0	1.86272	Y
2	IC 410-652703/14	0.5	1.046355	10.0	1709468.0	2.09271	Y
3	IC 410-652703/15	1.0	1.764814	10.0	1726233.0	1.764814	Y
4	IC 410-652703/16	2.0	3.482041	10.0	1782828.0	1.74102	Y
5	IC 410-652703/17	5.0	10.239766	10.0	1764929.0	2.047953	Y
6	ICIS 410-652703/18	10.0	20.021121	10.0	1784969.0	2.002112	Y
7	IC 410-652703/19	25.0	50.273994	10.0	1791241.0	2.01096	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

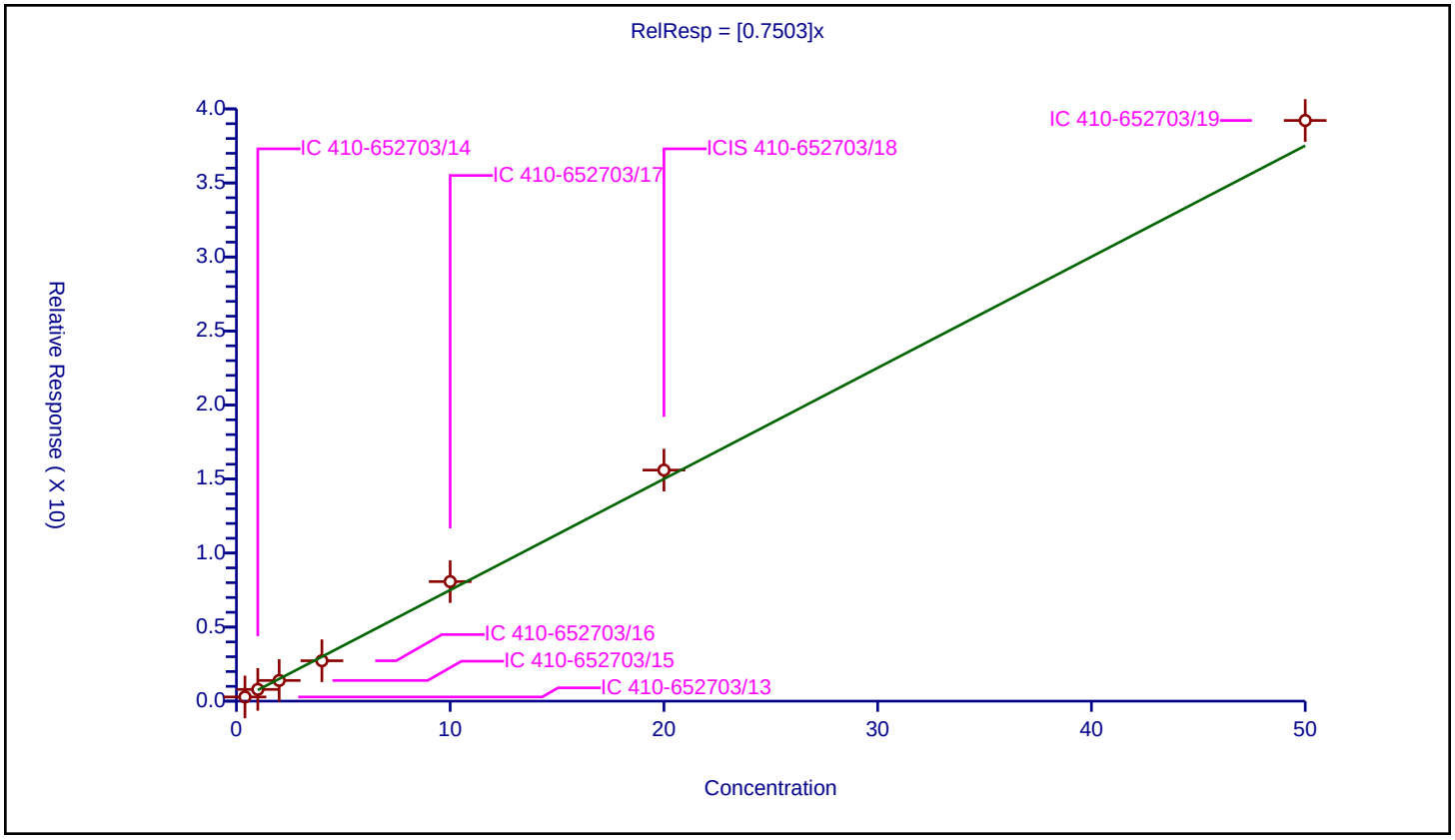
Curve Coefficients

Intercept:	0
Slope:	0.7503

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.4	0.282952	10.0	1724253.0	0.707379	Y
2	IC 410-652703/14	1.0	0.792574	10.0	1709468.0	0.792574	Y
3	IC 410-652703/15	2.0	1.396457	10.0	1726233.0	0.698228	Y
4	IC 410-652703/16	4.0	2.728553	10.0	1782828.0	0.682138	Y
5	IC 410-652703/17	10.0	8.074109	10.0	1764929.0	0.807411	Y
6	ICIS 410-652703/18	20.0	15.603431	10.0	1784969.0	0.780172	Y
7	IC 410-652703/19	50.0	39.217515	10.0	1791241.0	0.78435	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

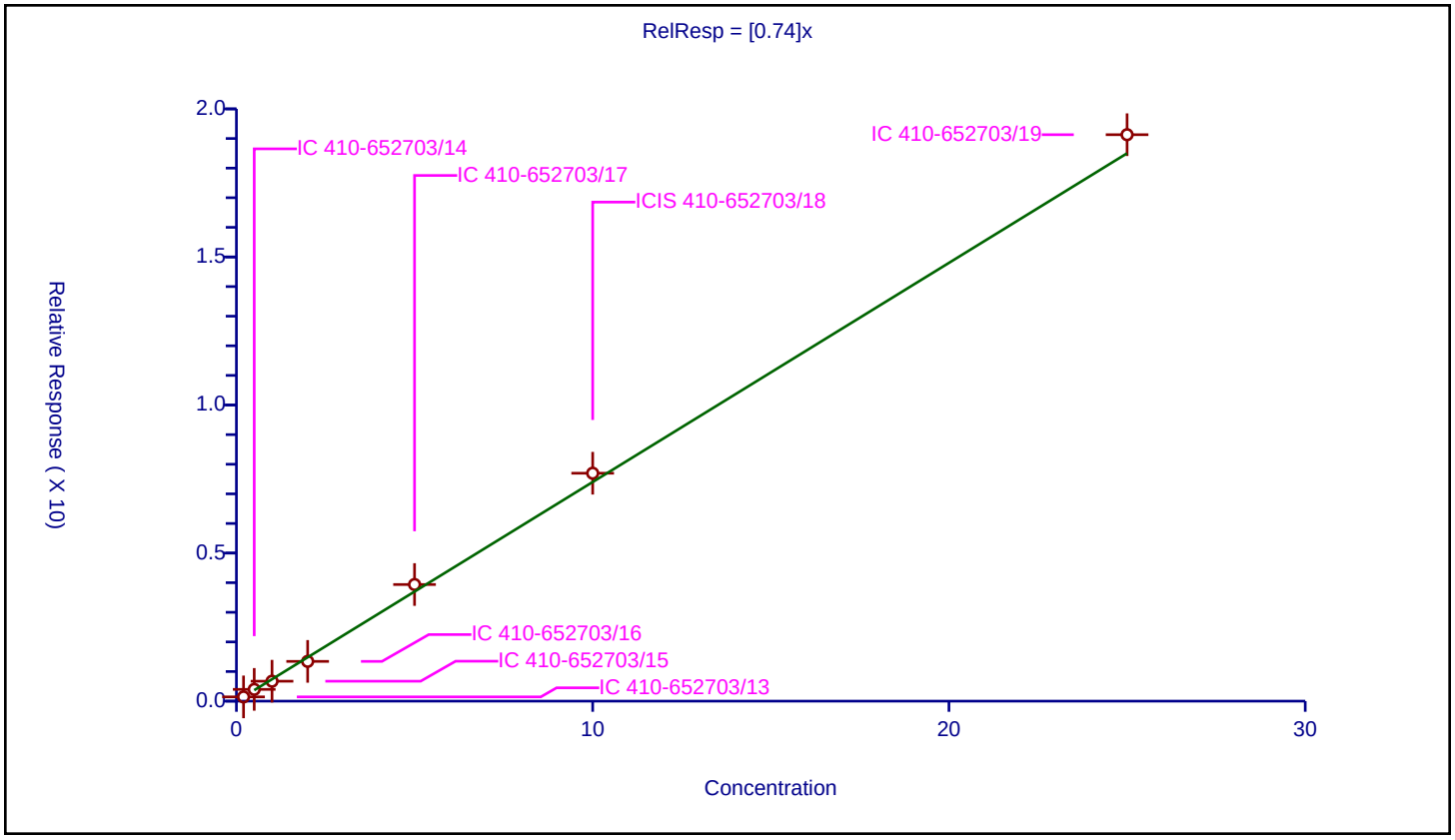
Curve Coefficients

Intercept:	0
Slope:	0.74

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.143714	10.0	1724253.0	0.718572	Y
2	IC 410-652703/14	0.5	0.397322	10.0	1709468.0	0.794645	Y
3	IC 410-652703/15	1.0	0.672916	10.0	1726233.0	0.672916	Y
4	IC 410-652703/16	2.0	1.342625	10.0	1782828.0	0.671313	Y
5	IC 410-652703/17	5.0	3.938323	10.0	1764929.0	0.787665	Y
6	ICIS 410-652703/18	10.0	7.696722	10.0	1784969.0	0.769672	Y
7	IC 410-652703/19	25.0	19.128308	10.0	1791241.0	0.765132	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

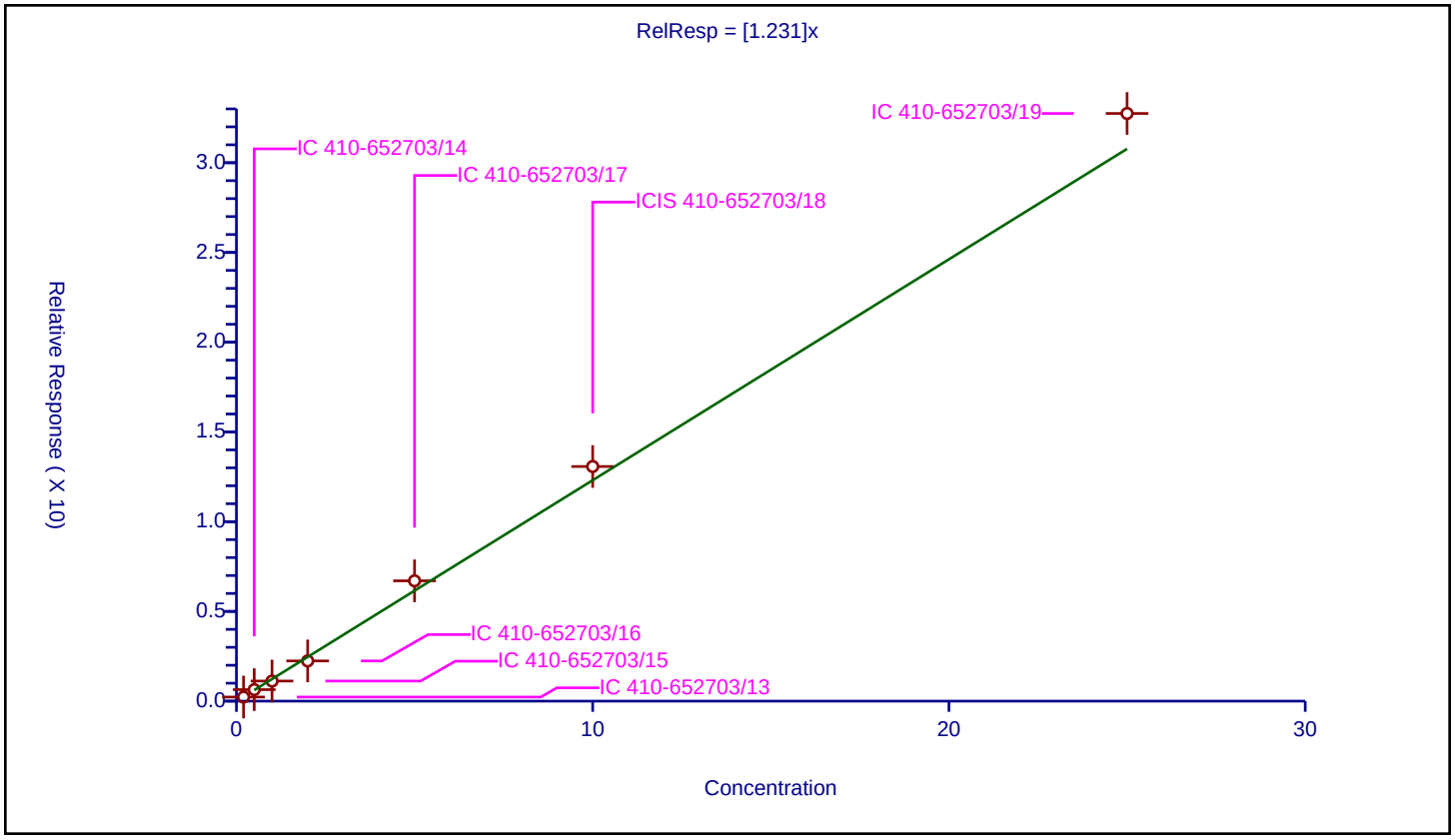
Curve Coefficients

Intercept:	0
Slope:	1.231

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.227066	10.0	1724253.0	1.135332	Y
2	IC 410-652703/14	0.5	0.642288	10.0	1709468.0	1.284575	Y
3	IC 410-652703/15	1.0	1.119102	10.0	1726233.0	1.119102	Y
4	IC 410-652703/16	2.0	2.239616	10.0	1782828.0	1.119808	Y
5	IC 410-652703/17	5.0	6.703692	10.0	1764929.0	1.340738	Y
6	ICIS 410-652703/18	10.0	13.073863	10.0	1784969.0	1.307386	Y
7	IC 410-652703/19	25.0	32.745275	10.0	1791241.0	1.309811	Y



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Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

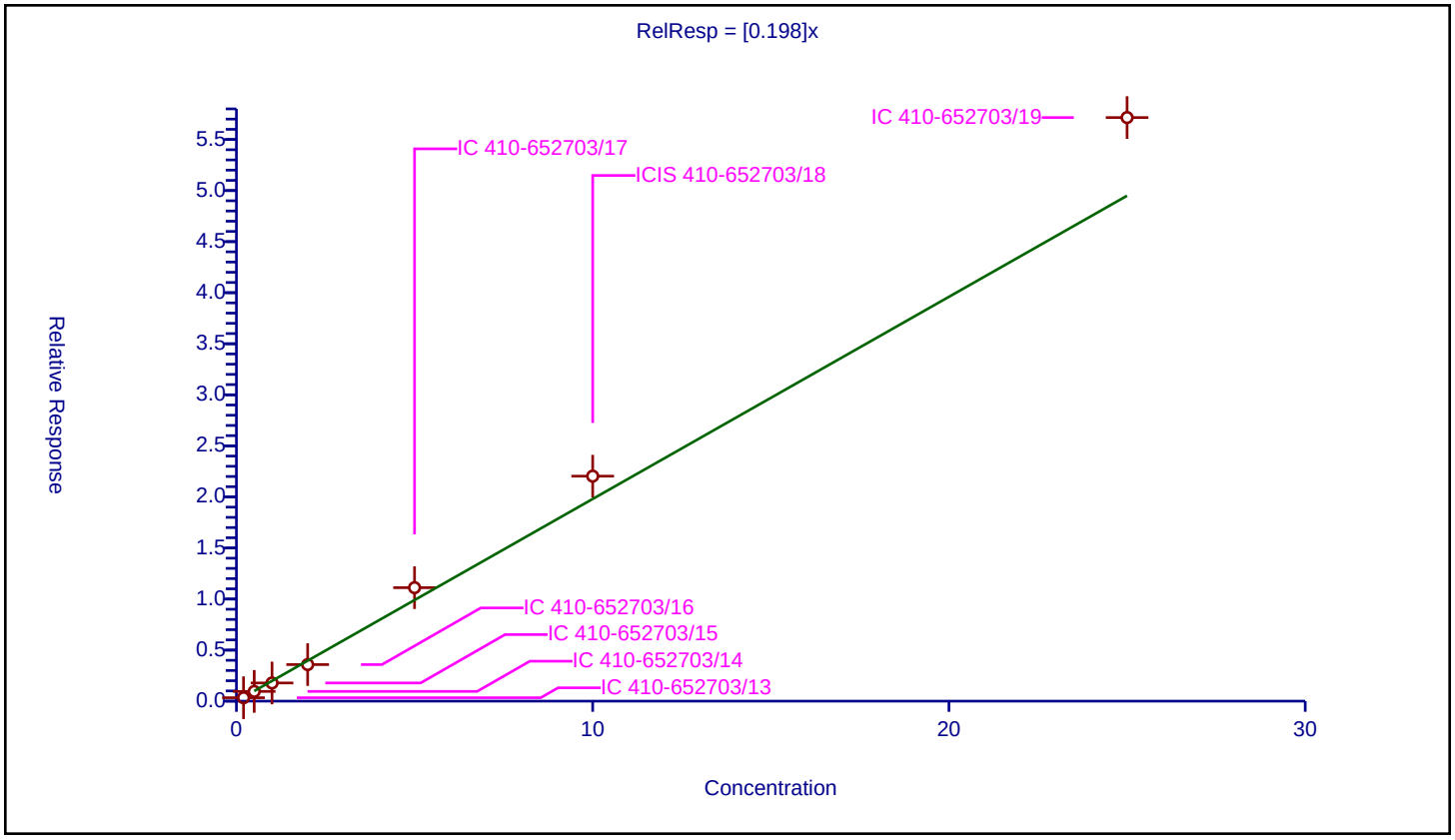
Curve Coefficients

Intercept:	0
Slope:	0.198

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.033406	10.0	1724253.0	0.167029	Y
2	IC 410-652703/14	0.5	0.095316	10.0	1709468.0	0.190632	Y
3	IC 410-652703/15	1.0	0.178093	10.0	1726233.0	0.178093	Y
4	IC 410-652703/16	2.0	0.357864	10.0	1782828.0	0.178932	Y
5	IC 410-652703/17	5.0	1.111195	10.0	1764929.0	0.222239	Y
6	ICIS 410-652703/18	10.0	2.203456	10.0	1784969.0	0.220346	Y
7	IC 410-652703/19	25.0	5.715088	10.0	1791241.0	0.228604	Y



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Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

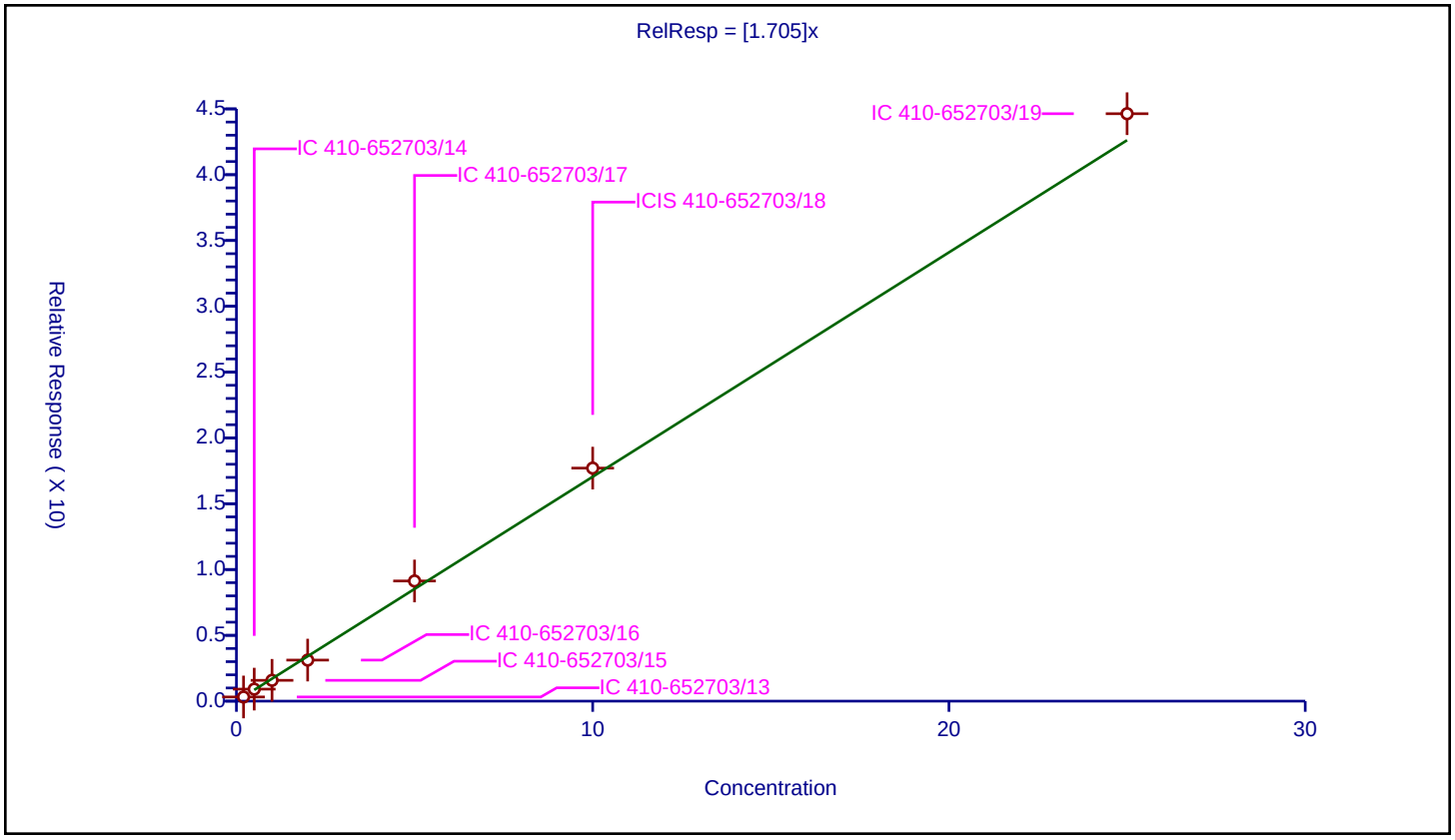
Curve Coefficients

Intercept:	0
Slope:	1.705

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.316444	10.0	1724253.0	1.582221	Y
2	IC 410-652703/14	0.5	0.914407	10.0	1709468.0	1.828815	Y
3	IC 410-652703/15	1.0	1.581218	10.0	1726233.0	1.581218	Y
4	IC 410-652703/16	2.0	3.118747	10.0	1782828.0	1.559374	Y
5	IC 410-652703/17	5.0	9.129767	10.0	1764929.0	1.825953	Y
6	ICIS 410-652703/18	10.0	17.706308	10.0	1784969.0	1.770631	Y
7	IC 410-652703/19	25.0	44.633402	10.0	1791241.0	1.785336	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

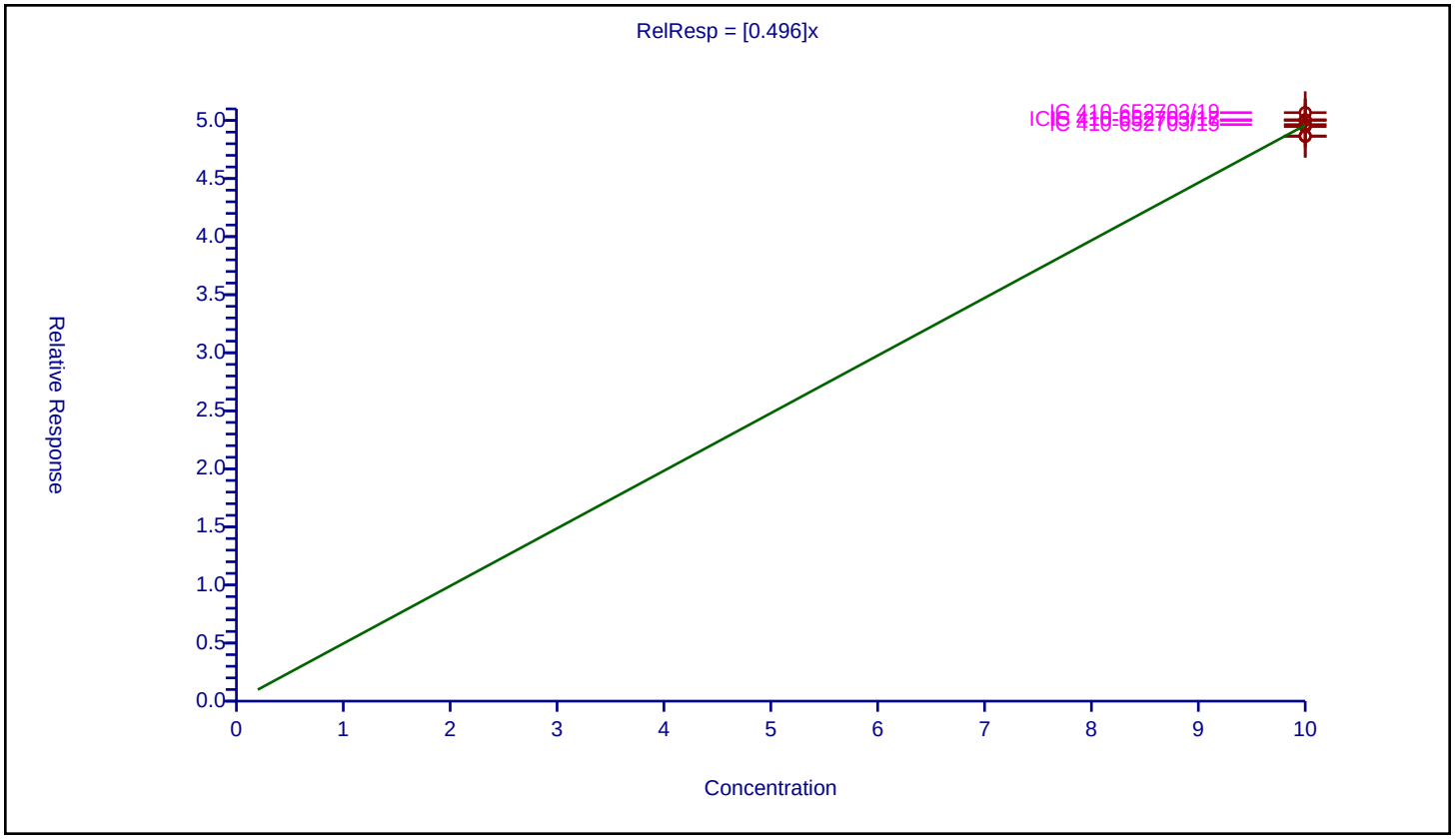
Curve Coefficients

Intercept:	0
Slope:	0.496

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	10.0	4.866948	10.0	1724253.0	0.486695	Y
2	IC 410-652703/14	10.0	4.86373	10.0	1709468.0	0.486373	Y
3	IC 410-652703/15	10.0	4.964596	10.0	1726233.0	0.49646	Y
4	IC 410-652703/16	10.0	4.947426	10.0	1782828.0	0.494743	Y
5	IC 410-652703/17	10.0	5.006604	10.0	1764929.0	0.50066	Y
6	ICIS 410-652703/18	10.0	5.000832	10.0	1784969.0	0.500083	Y
7	IC 410-652703/19	10.0	5.067593	10.0	1791241.0	0.506759	Y



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Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

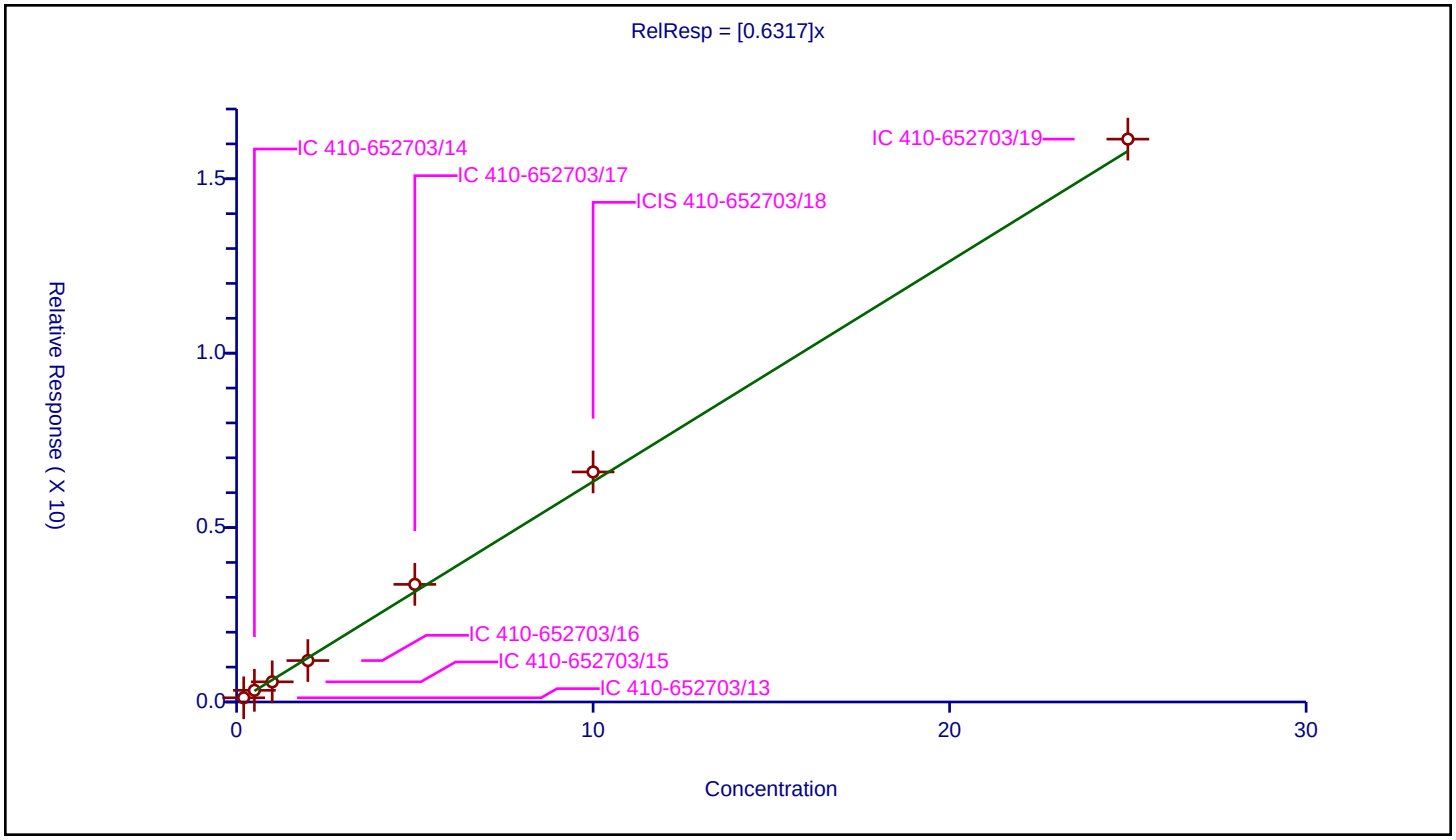
Curve Coefficients

Intercept:	0
Slope:	0.6317

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.120509	10.0	918354.0	0.602545	Y
2	IC 410-652703/14	0.5	0.334211	10.0	903799.0	0.668423	Y
3	IC 410-652703/15	1.0	0.577746	10.0	939357.0	0.577746	Y
4	IC 410-652703/16	2.0	1.187998	10.0	968209.0	0.593999	Y
5	IC 410-652703/17	5.0	3.371961	10.0	982114.0	0.674392	Y
6	ICIS 410-652703/18	10.0	6.59503	10.0	997762.0	0.659503	Y
7	IC 410-652703/19	25.0	16.13696	10.0	1035762.0	0.645478	Y



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Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

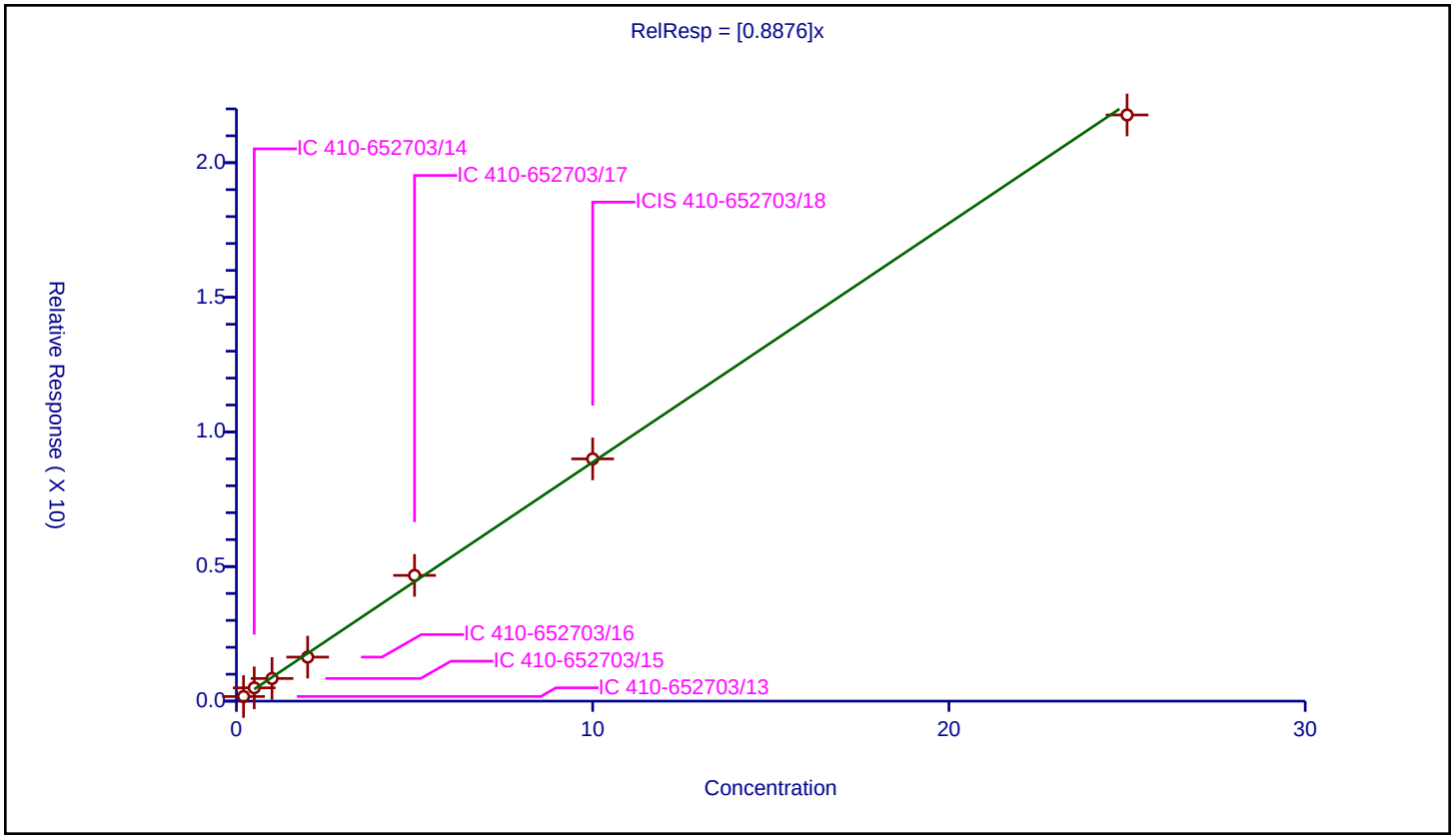
Curve Coefficients

Intercept:	0
Slope:	0.8876

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.17196	10.0	918354.0	0.859799	Y
2	IC 410-652703/14	0.5	0.494656	10.0	903799.0	0.989313	Y
3	IC 410-652703/15	1.0	0.841256	10.0	939357.0	0.841256	Y
4	IC 410-652703/16	2.0	1.635556	10.0	968209.0	0.817778	Y
5	IC 410-652703/17	5.0	4.670924	10.0	982114.0	0.934185	Y
6	ICIS 410-652703/18	10.0	8.998549	10.0	997762.0	0.899855	Y
7	IC 410-652703/19	25.0	21.774761	10.0	1035762.0	0.87099	Y



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Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

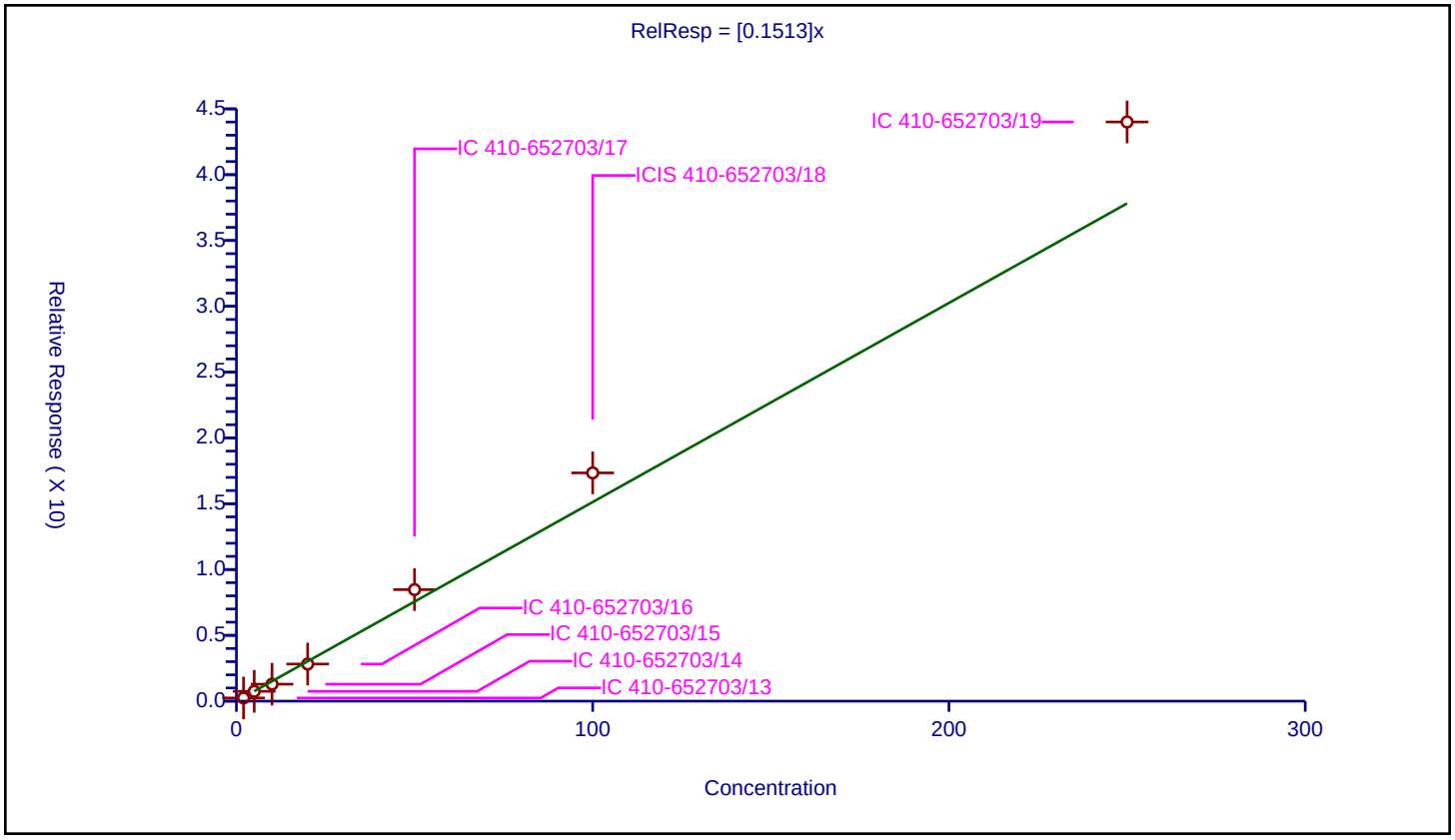
Curve Coefficients

Intercept:	0
Slope:	0.1513

Error Coefficients

Relative Standard Deviation:	14.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	2.0	0.241421	10.0	918354.0	0.120711	Y
2	IC 410-652703/14	5.0	0.746051	10.0	903799.0	0.14921	Y
3	IC 410-652703/15	10.0	1.290564	10.0	939357.0	0.129056	Y
4	IC 410-652703/16	20.0	2.820341	10.0	968209.0	0.141017	Y
5	IC 410-652703/17	50.0	8.472041	10.0	982114.0	0.169441	Y
6	ICIS 410-652703/18	100.0	17.342673	10.0	997762.0	0.173427	Y
7	IC 410-652703/19	250.0	44.006944	10.0	1035762.0	0.176028	Y



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Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

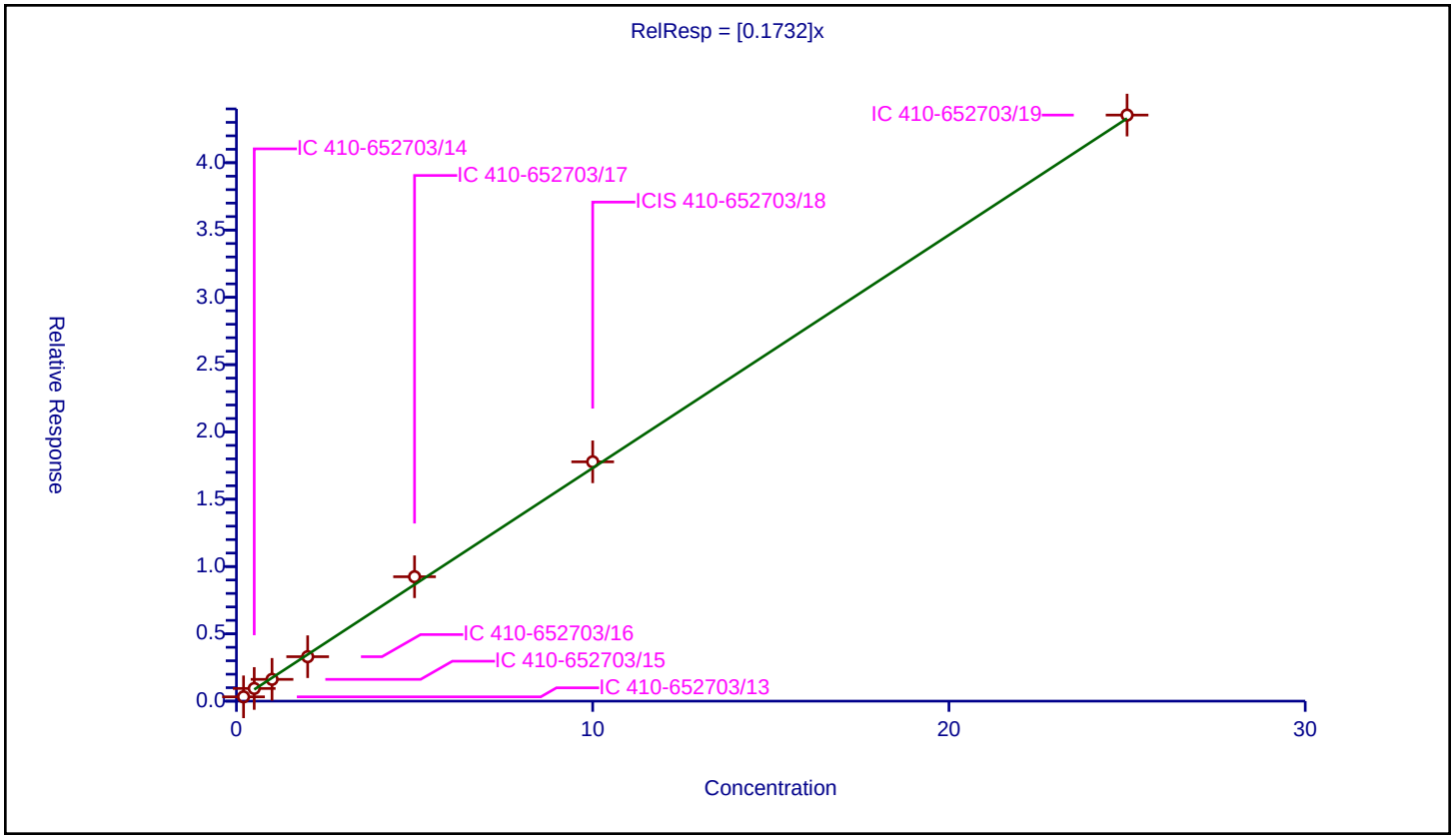
Curve Coefficients

Intercept:	0
Slope:	0.1732

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.032025	10.0	918354.0	0.160123	Y
2	IC 410-652703/14	0.5	0.09418	10.0	903799.0	0.18836	Y
3	IC 410-652703/15	1.0	0.161792	10.0	939357.0	0.161792	Y
4	IC 410-652703/16	2.0	0.330166	10.0	968209.0	0.165083	Y
5	IC 410-652703/17	5.0	0.924221	10.0	982114.0	0.184844	Y
6	ICIS 410-652703/18	10.0	1.777889	10.0	997762.0	0.177789	Y
7	IC 410-652703/19	25.0	4.354041	10.0	1035762.0	0.174162	Y



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Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

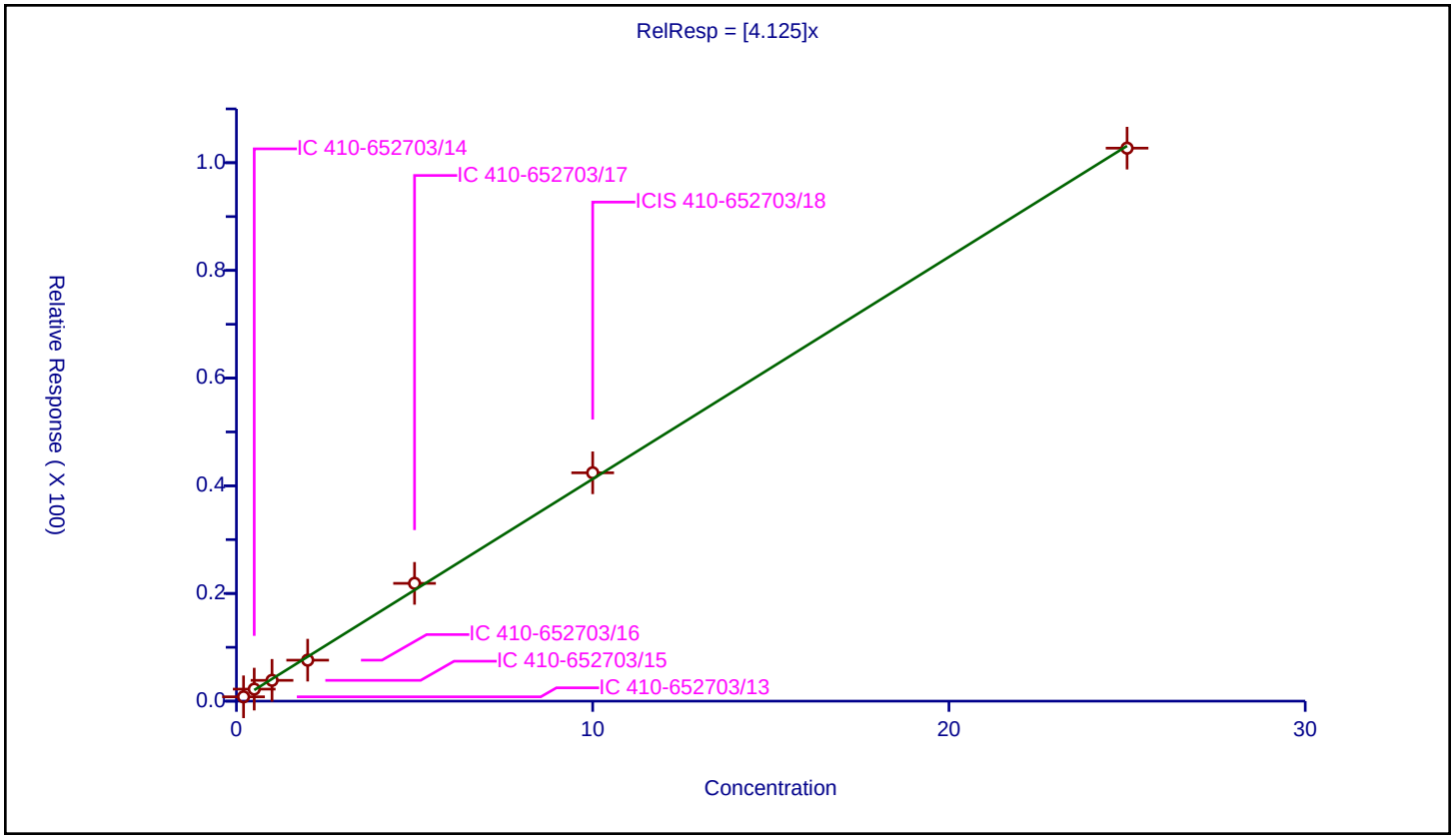
Curve Coefficients

Intercept:	0
Slope:	4.125

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.803339	10.0	918354.0	4.016697	Y
2	IC 410-652703/14	0.5	2.234291	10.0	903799.0	4.468582	Y
3	IC 410-652703/15	1.0	3.861812	10.0	939357.0	3.861812	Y
4	IC 410-652703/16	2.0	7.610237	10.0	968209.0	3.805119	Y
5	IC 410-652703/17	5.0	21.875556	10.0	982114.0	4.375111	Y
6	ICIS 410-652703/18	10.0	42.410144	10.0	997762.0	4.241014	Y
7	IC 410-652703/19	25.0	102.71014	10.0	1035762.0	4.108406	Y



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Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

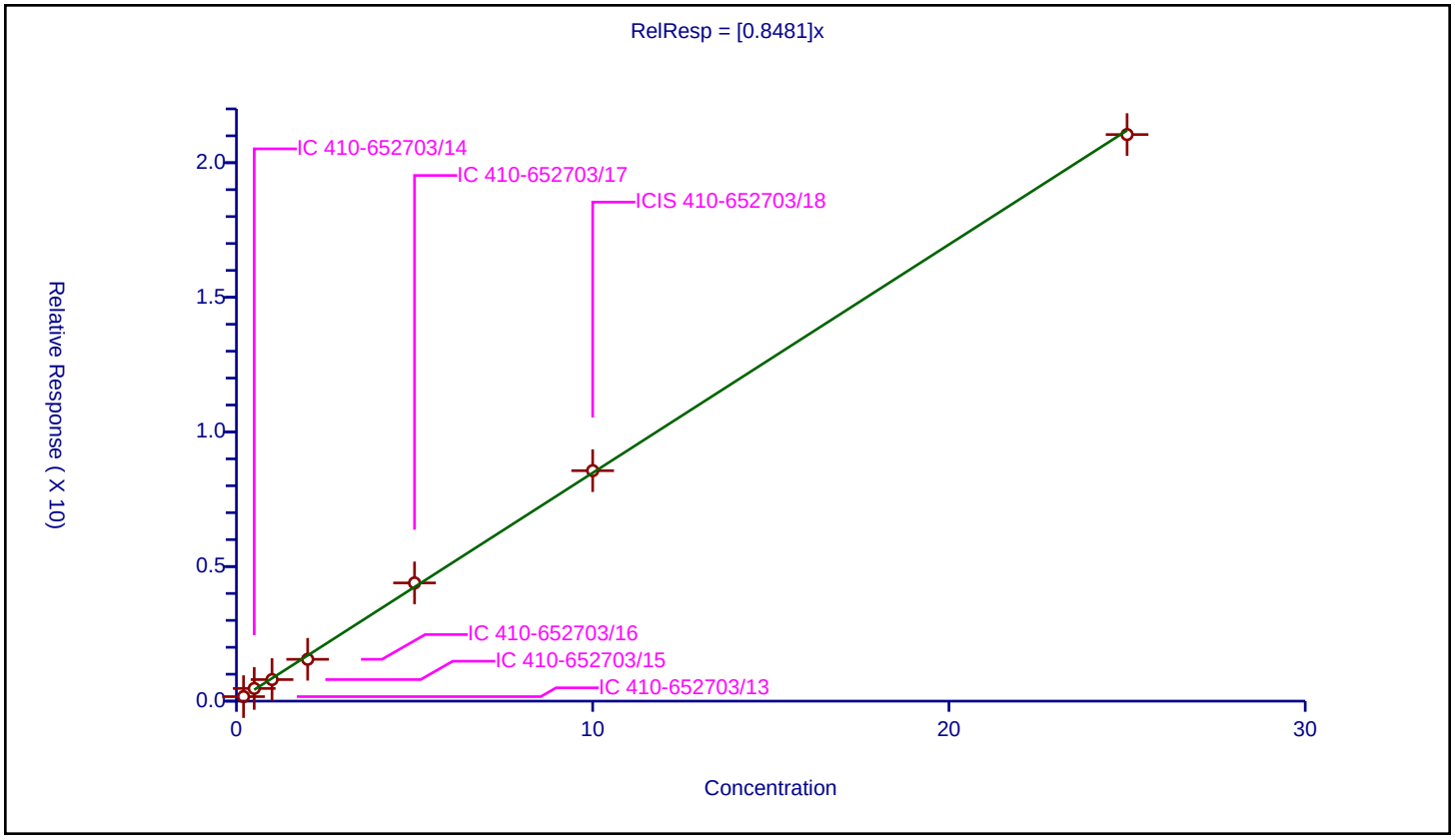
Curve Coefficients

Intercept:	0
Slope:	0.8481

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.167822	10.0	918354.0	0.83911	Y
2	IC 410-652703/14	0.5	0.471322	10.0	903799.0	0.942643	Y
3	IC 410-652703/15	1.0	0.80124	10.0	939357.0	0.80124	Y
4	IC 410-652703/16	2.0	1.554148	10.0	968209.0	0.777074	Y
5	IC 410-652703/17	5.0	4.391425	10.0	982114.0	0.878285	Y
6	ICIS 410-652703/18	10.0	8.561451	10.0	997762.0	0.856145	Y
7	IC 410-652703/19	25.0	21.046572	10.0	1035762.0	0.841863	Y



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Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

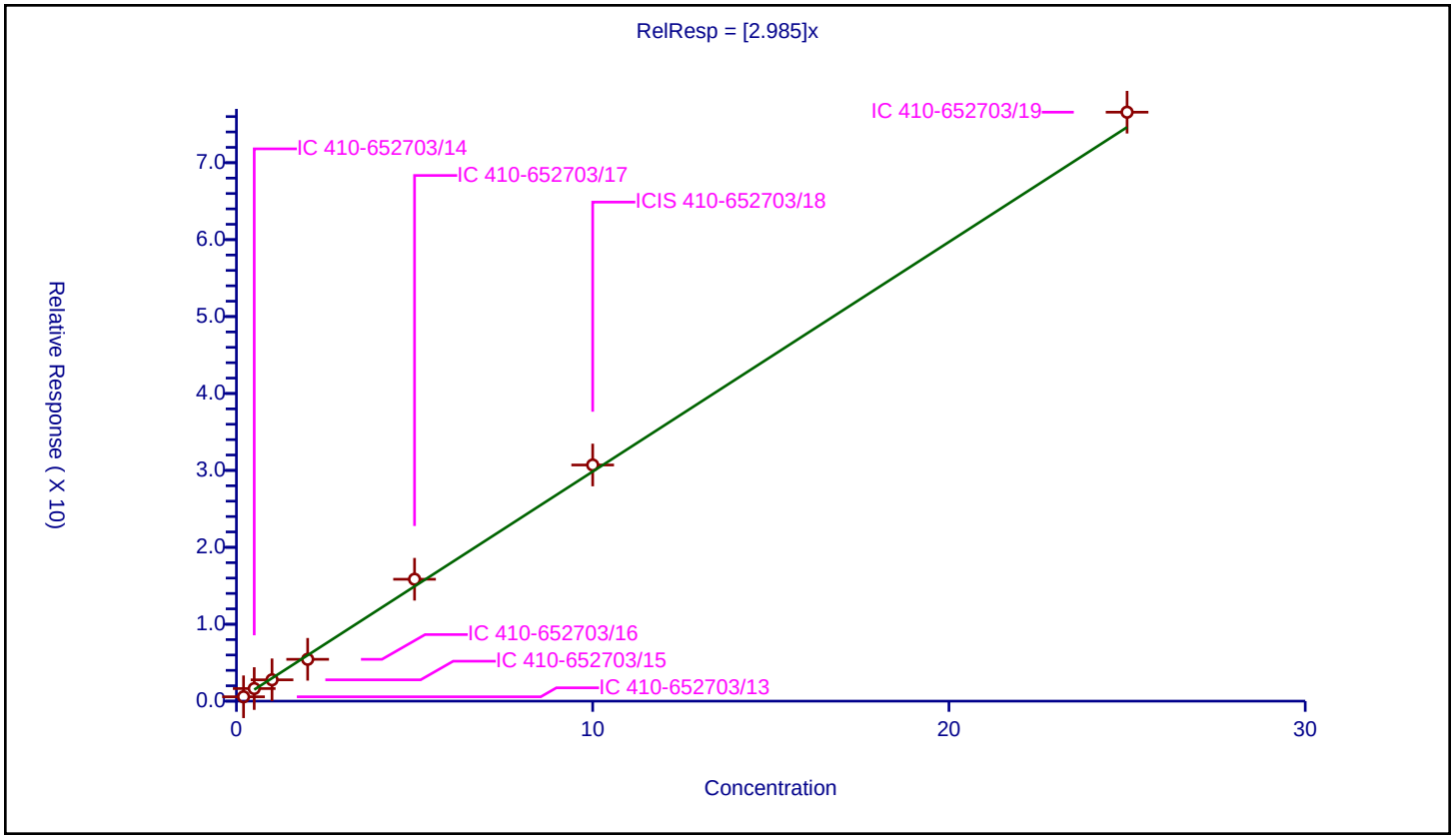
Curve Coefficients

Intercept:	0
Slope:	2.985

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.565621	10.0	918354.0	2.828103	Y
2	IC 410-652703/14	0.5	1.636525	10.0	903799.0	3.273051	Y
3	IC 410-652703/15	1.0	2.770714	10.0	939357.0	2.770714	Y
4	IC 410-652703/16	2.0	5.439642	10.0	968209.0	2.719821	Y
5	IC 410-652703/17	5.0	15.846725	10.0	982114.0	3.169345	Y
6	ICIS 410-652703/18	10.0	30.701771	10.0	997762.0	3.070177	Y
7	IC 410-652703/19	25.0	76.571896	10.0	1035762.0	3.062876	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

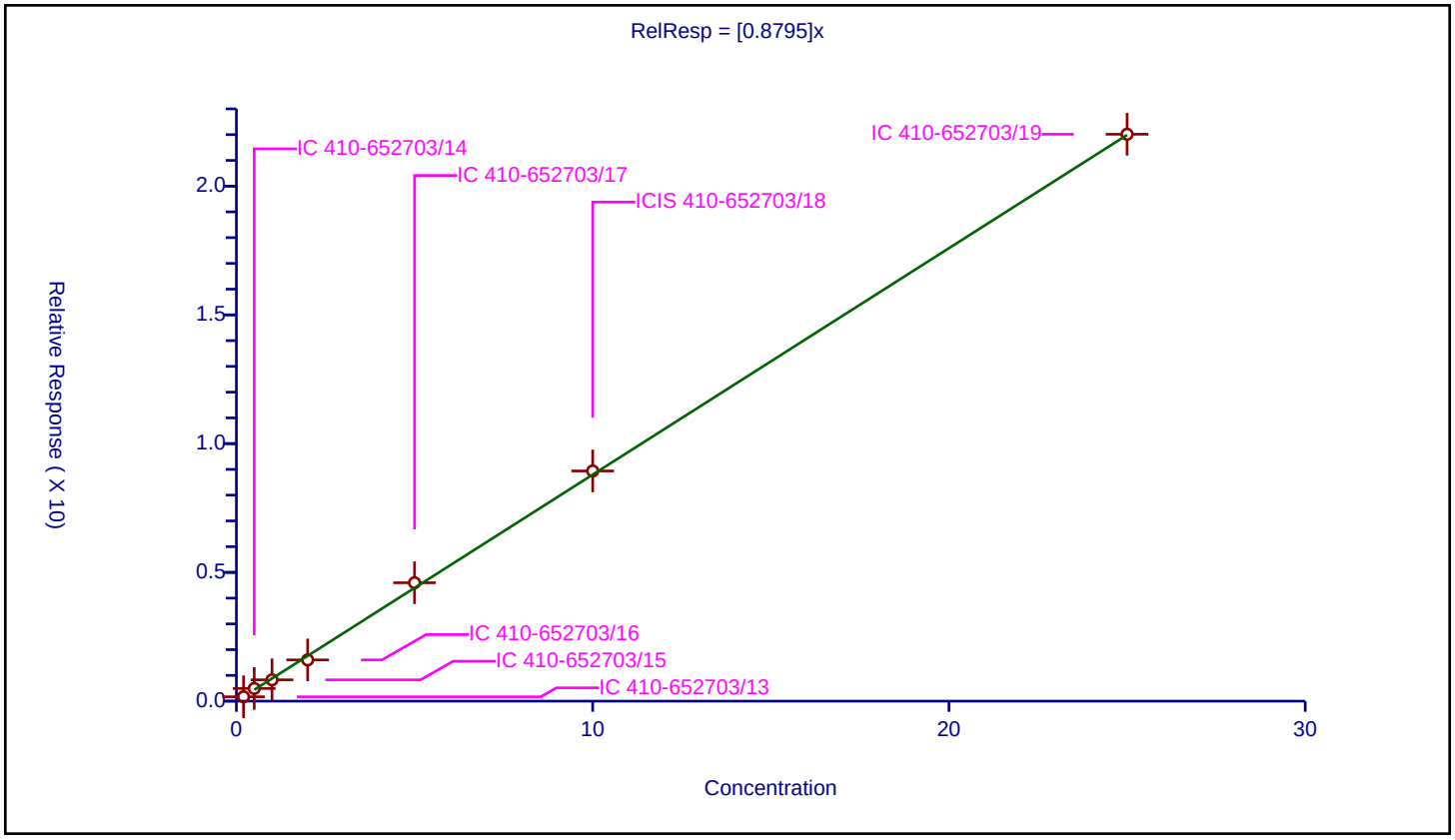
Curve Coefficients

Intercept:	0
Slope:	0.8795

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.169575	10.0	918354.0	0.847876	Y
2	IC 410-652703/14	0.5	0.492897	10.0	903799.0	0.985794	Y
3	IC 410-652703/15	1.0	0.827822	10.0	939357.0	0.827822	Y
4	IC 410-652703/16	2.0	1.602175	10.0	968209.0	0.801087	Y
5	IC 410-652703/17	5.0	4.597766	10.0	982114.0	0.919553	Y
6	ICIS 410-652703/18	10.0	8.938685	10.0	997762.0	0.893868	Y
7	IC 410-652703/19	25.0	22.015212	10.0	1035762.0	0.880608	Y



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Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

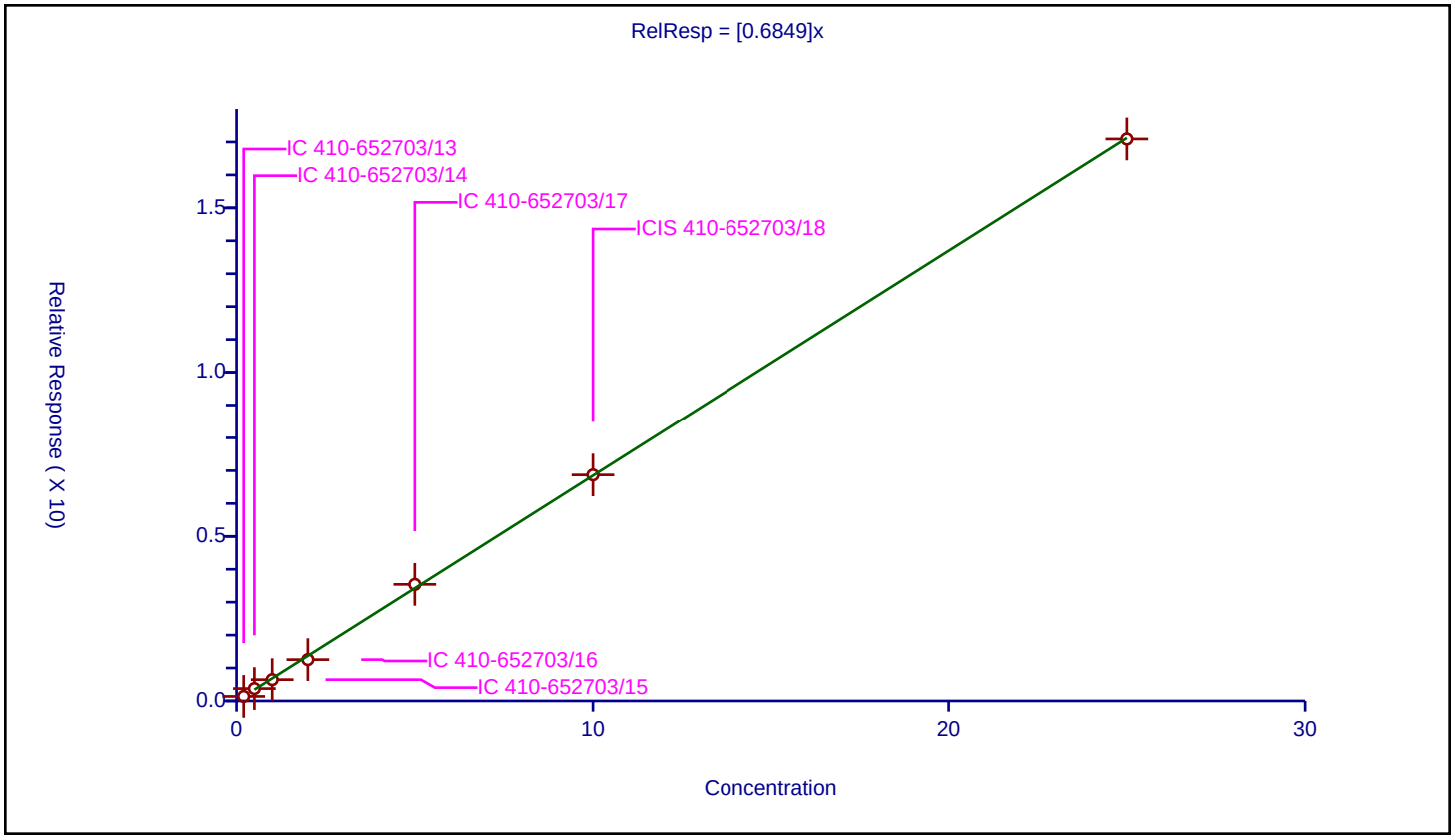
Curve Coefficients

Intercept:	0
Slope:	0.6849

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.137823	10.0	918354.0	0.689113	Y
2	IC 410-652703/14	0.5	0.37567	10.0	903799.0	0.75134	Y
3	IC 410-652703/15	1.0	0.647507	10.0	939357.0	0.647507	Y
4	IC 410-652703/16	2.0	1.255328	10.0	968209.0	0.627664	Y
5	IC 410-652703/17	5.0	3.540872	10.0	982114.0	0.708174	Y
6	ICIS 410-652703/18	10.0	6.870556	10.0	997762.0	0.687056	Y
7	IC 410-652703/19	25.0	17.091668	10.0	1035762.0	0.683667	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

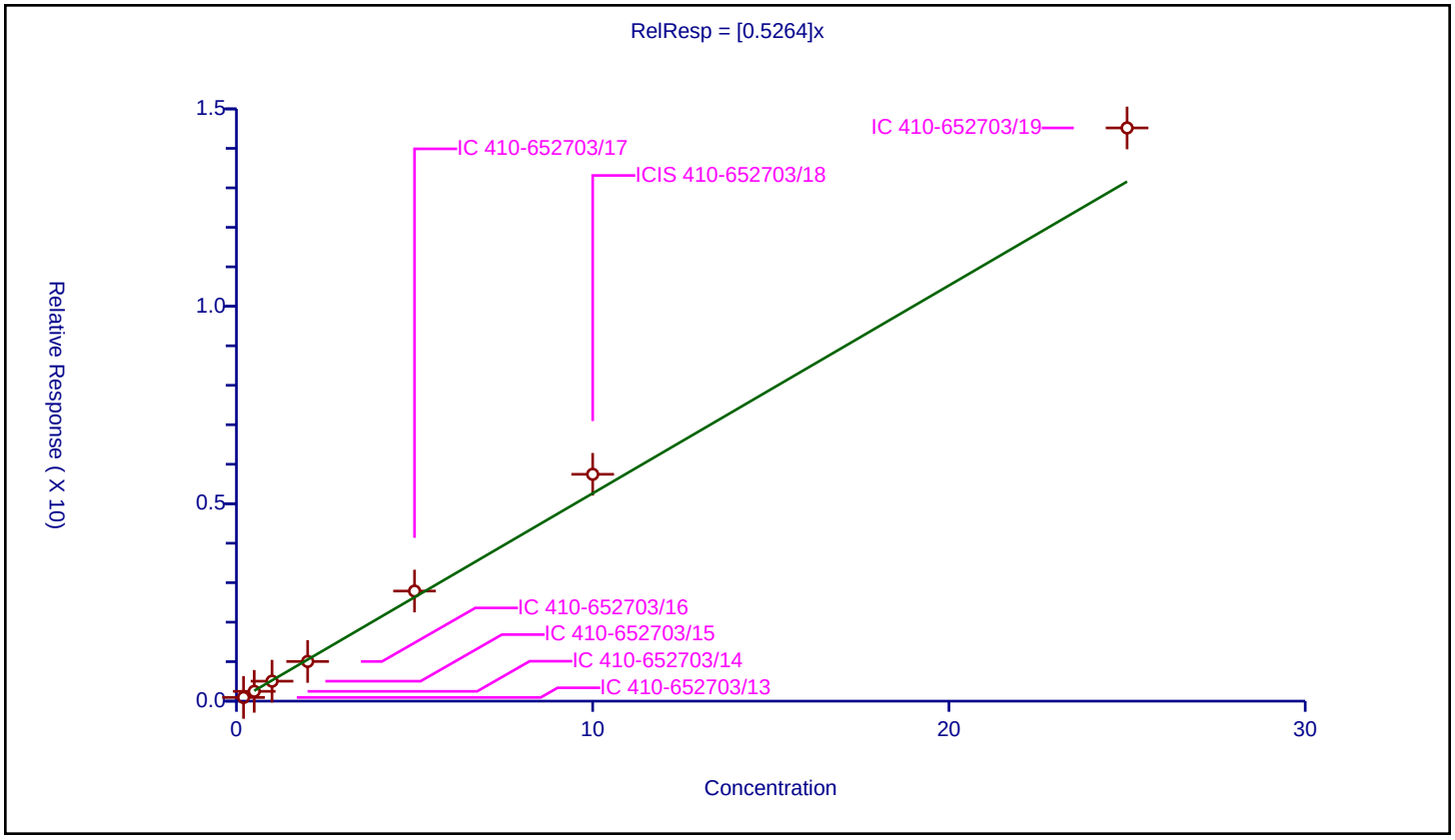
Curve Coefficients

Intercept:	0
Slope:	0.5264

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.093199	10.0	918354.0	0.465997	Y
2	IC 410-652703/14	0.5	0.24875	10.0	903799.0	0.4975	Y
3	IC 410-652703/15	1.0	0.50558	10.0	939357.0	0.50558	Y
4	IC 410-652703/16	2.0	1.004969	10.0	968209.0	0.502484	Y
5	IC 410-652703/17	5.0	2.78821	10.0	982114.0	0.557642	Y
6	ICIS 410-652703/18	10.0	5.745589	10.0	997762.0	0.574559	Y
7	IC 410-652703/19	25.0	14.517891	10.0	1035762.0	0.580716	Y



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Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

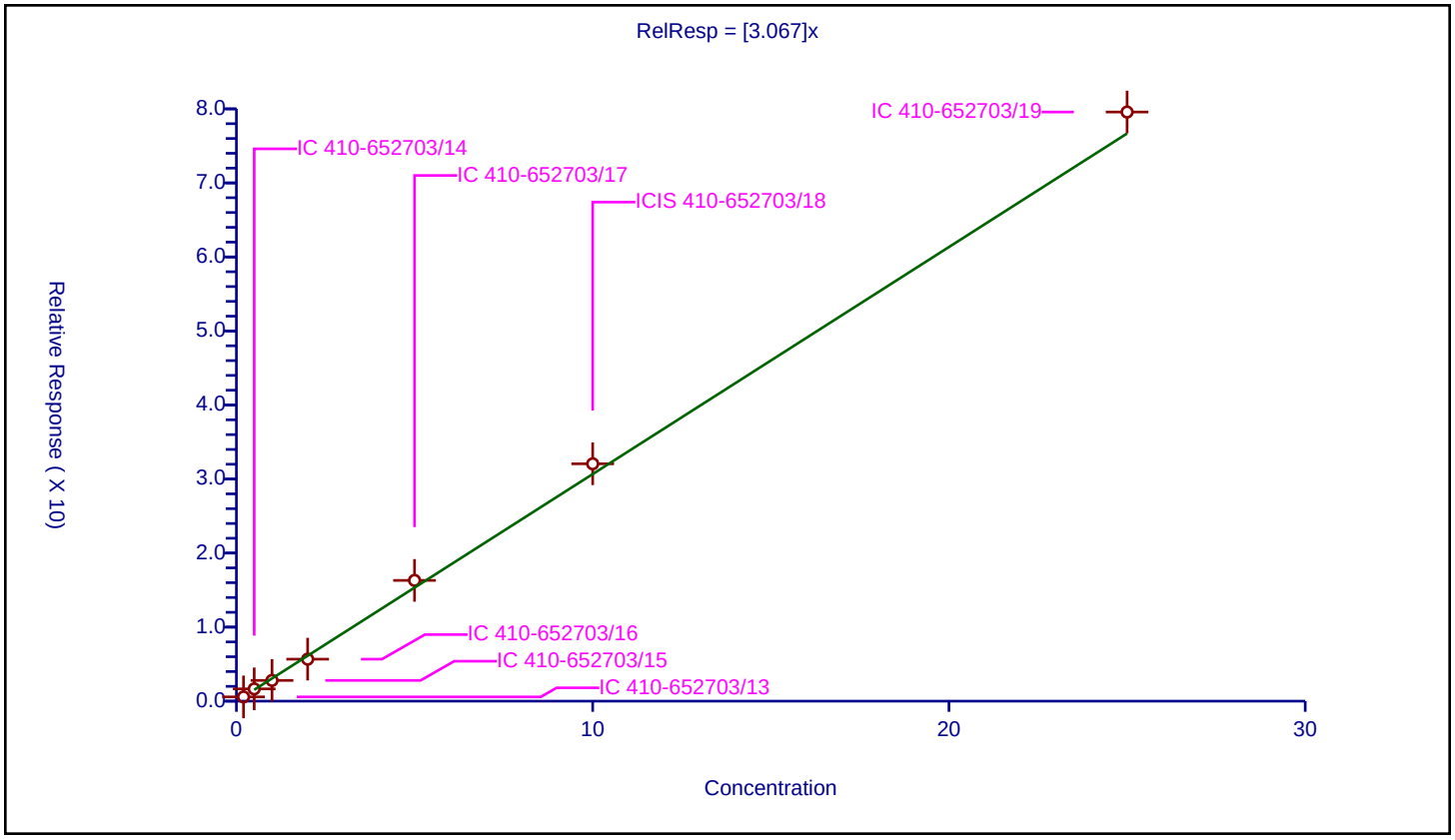
Curve Coefficients

Intercept:	0
Slope:	3.067

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.573189	10.0	918354.0	2.865943	Y
2	IC 410-652703/14	0.5	1.657183	10.0	903799.0	3.314365	Y
3	IC 410-652703/15	1.0	2.802098	10.0	939357.0	2.802098	Y
4	IC 410-652703/16	2.0	5.671141	10.0	968209.0	2.835571	Y
5	IC 410-652703/17	5.0	16.309237	10.0	982114.0	3.261847	Y
6	ICIS 410-652703/18	10.0	32.060471	10.0	997762.0	3.206047	Y
7	IC 410-652703/19	25.0	79.575124	10.0	1035762.0	3.183005	Y



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Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

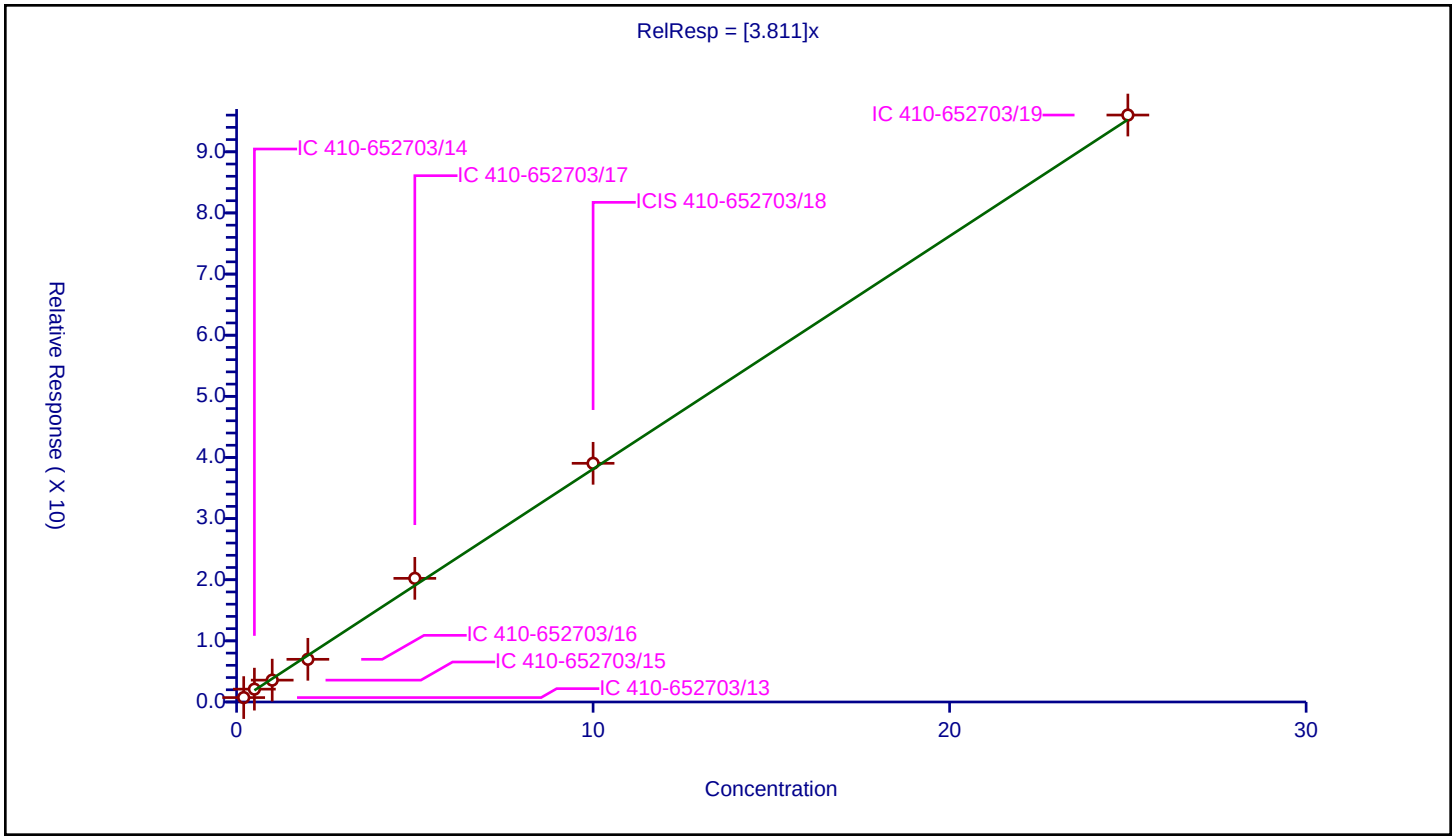
Curve Coefficients

Intercept:	0
Slope:	3.811

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.722445	10.0	918354.0	3.612224	Y
2	IC 410-652703/14	0.5	2.101828	10.0	903799.0	4.203656	Y
3	IC 410-652703/15	1.0	3.576808	10.0	939357.0	3.576808	Y
4	IC 410-652703/16	2.0	6.983792	10.0	968209.0	3.491896	Y
5	IC 410-652703/17	5.0	20.22478	10.0	982114.0	4.044956	Y
6	ICIS 410-652703/18	10.0	39.043048	10.0	997762.0	3.904305	Y
7	IC 410-652703/19	25.0	96.013109	10.0	1035762.0	3.840524	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

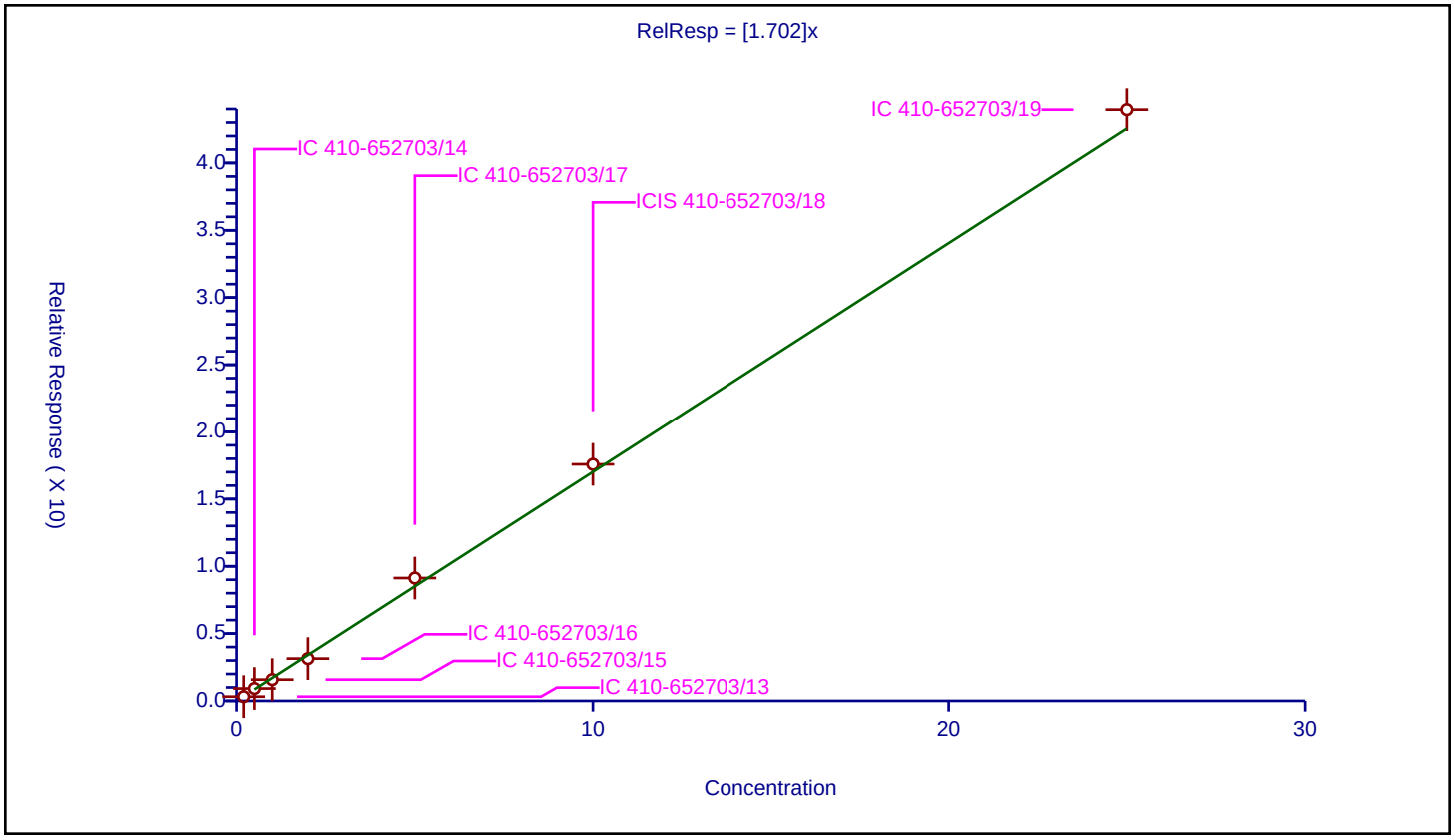
Curve Coefficients

Intercept:	0
Slope:	1.702

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.316272	10.0	918354.0	1.581362	Y
2	IC 410-652703/14	0.5	0.921588	10.0	903799.0	1.843175	Y
3	IC 410-652703/15	1.0	1.579155	10.0	939357.0	1.579155	Y
4	IC 410-652703/16	2.0	3.140355	10.0	968209.0	1.570178	Y
5	IC 410-652703/17	5.0	9.127413	10.0	982114.0	1.825483	Y
6	ICIS 410-652703/18	10.0	17.585516	10.0	997762.0	1.758552	Y
7	IC 410-652703/19	25.0	43.950898	10.0	1035762.0	1.758036	Y



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Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

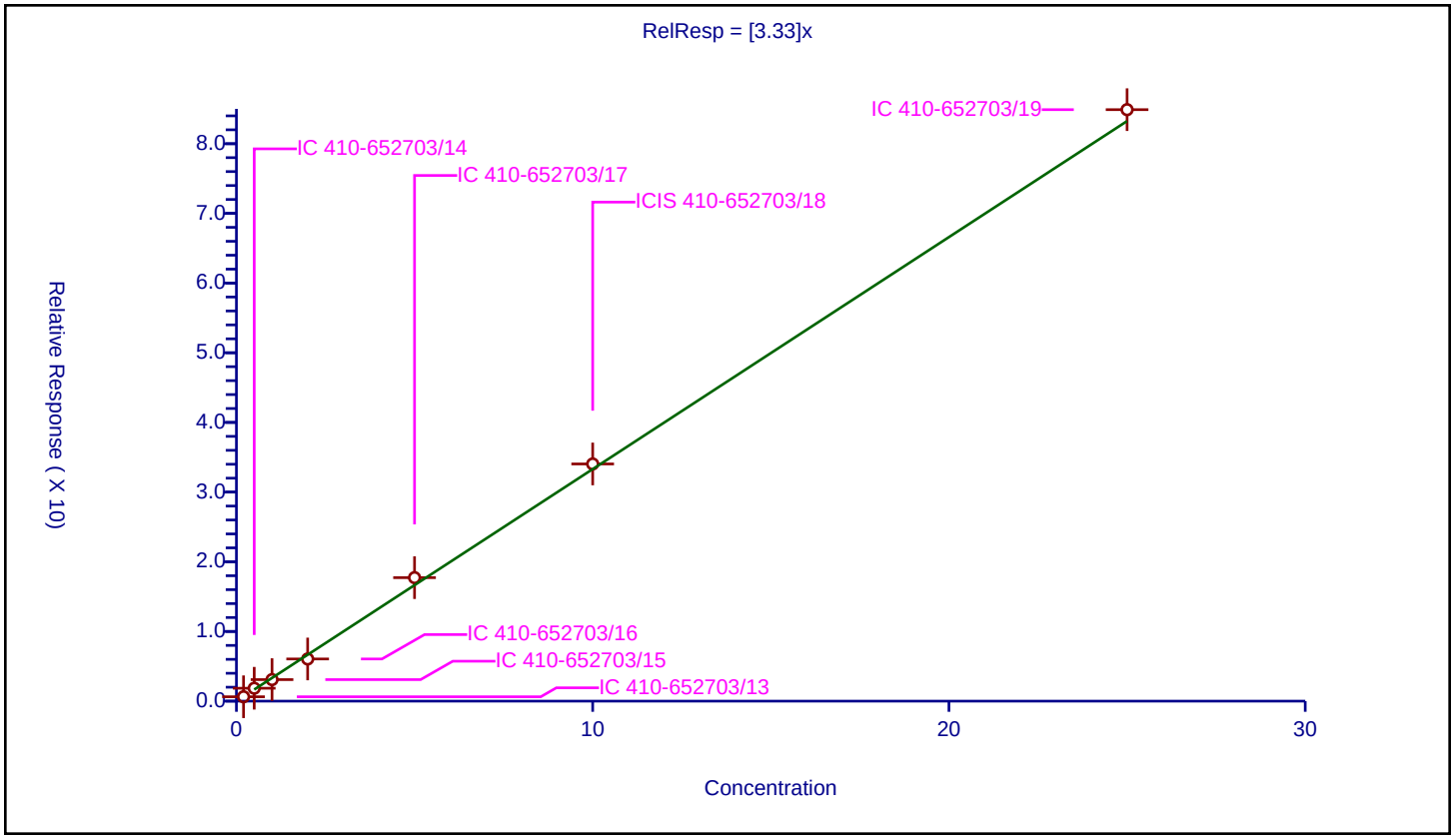
Curve Coefficients

Intercept:	0
Slope:	3.33

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.629583	10.0	918354.0	3.147915	Y
2	IC 410-652703/14	0.5	1.850445	10.0	903799.0	3.700889	Y
3	IC 410-652703/15	1.0	3.089283	10.0	939357.0	3.089283	Y
4	IC 410-652703/16	2.0	6.053776	10.0	968209.0	3.026888	Y
5	IC 410-652703/17	5.0	17.724562	10.0	982114.0	3.544912	Y
6	ICIS 410-652703/18	10.0	34.041796	10.0	997762.0	3.40418	Y
7	IC 410-652703/19	25.0	84.888922	10.0	1035762.0	3.395557	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

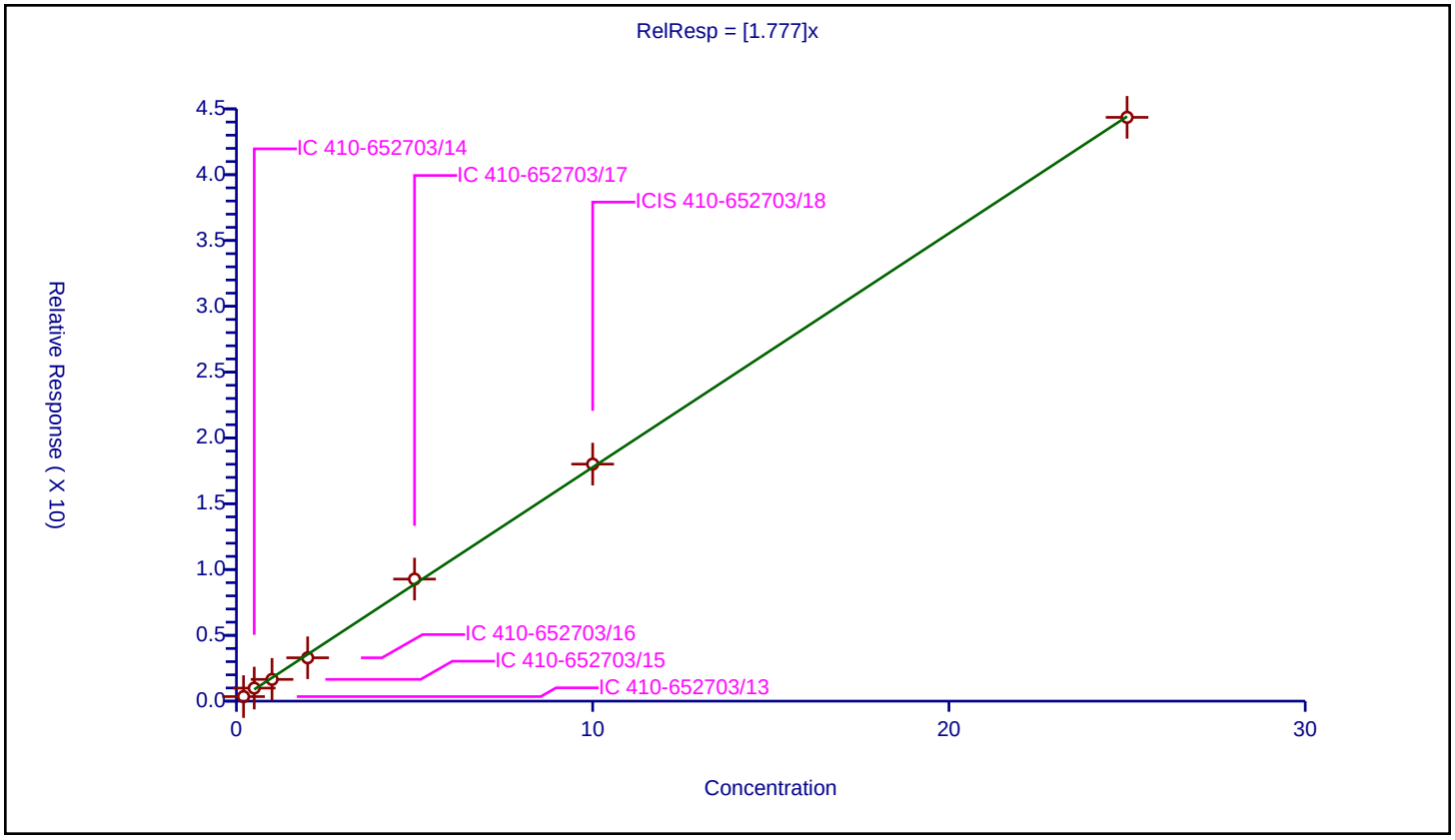
Curve Coefficients

Intercept:	0
Slope:	1.777

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.345727	10.0	918354.0	1.728636	Y
2	IC 410-652703/14	0.5	0.990331	10.0	903799.0	1.980662	Y
3	IC 410-652703/15	1.0	1.652982	10.0	939357.0	1.652982	Y
4	IC 410-652703/16	2.0	3.293297	10.0	968209.0	1.646649	Y
5	IC 410-652703/17	5.0	9.274595	10.0	982114.0	1.854919	Y
6	ICIS 410-652703/18	10.0	18.010036	10.0	997762.0	1.801004	Y
7	IC 410-652703/19	25.0	44.359274	10.0	1035762.0	1.774371	Y



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Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

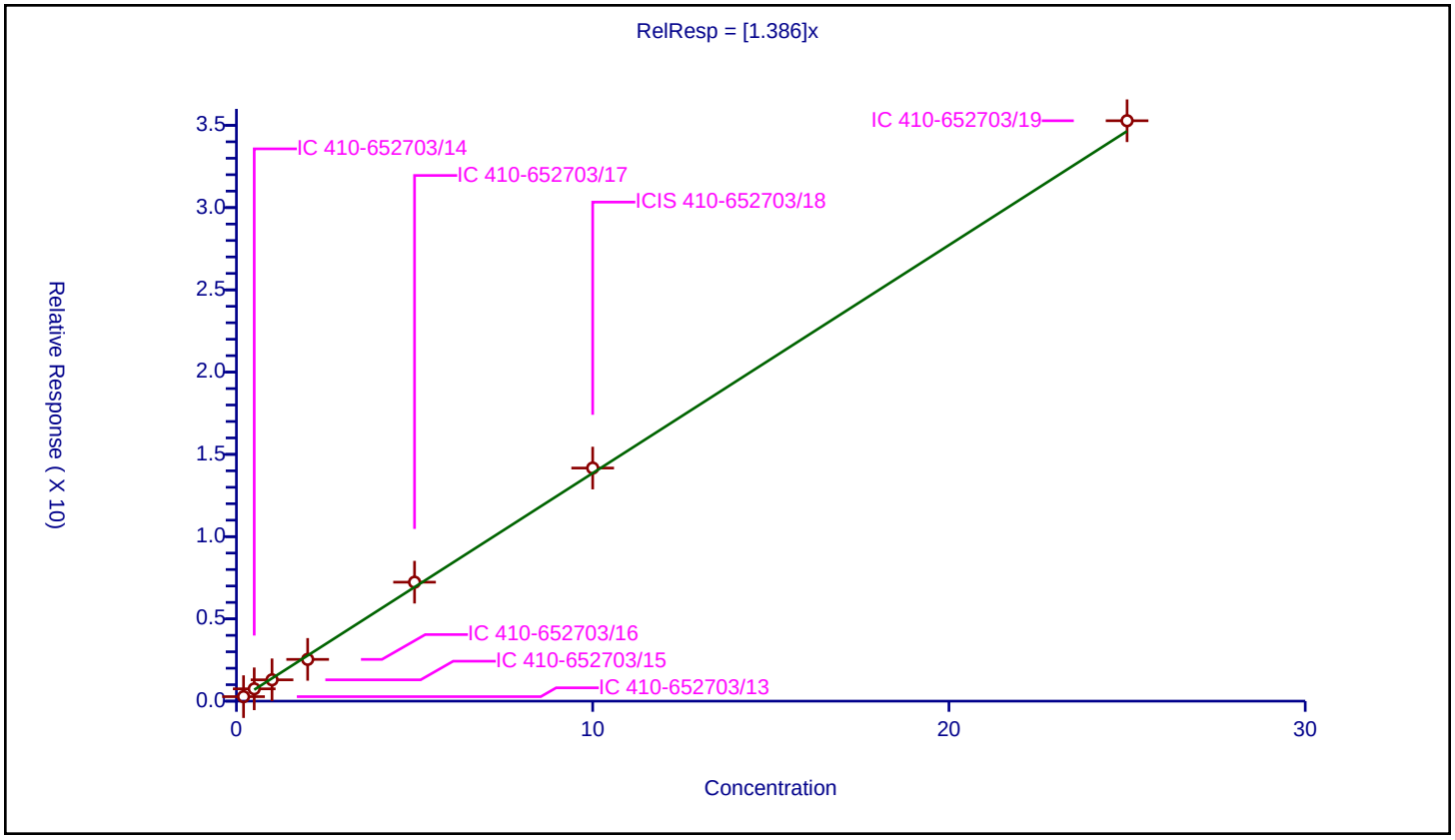
Curve Coefficients

Intercept:	0
Slope:	1.386

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.273282	10.0	918354.0	1.366412	Y
2	IC 410-652703/14	0.5	0.748308	10.0	903799.0	1.496616	Y
3	IC 410-652703/15	1.0	1.295578	10.0	939357.0	1.295578	Y
4	IC 410-652703/16	2.0	2.537582	10.0	968209.0	1.268791	Y
5	IC 410-652703/17	5.0	7.230556	10.0	982114.0	1.446111	Y
6	ICIS 410-652703/18	10.0	14.16901	10.0	997762.0	1.416901	Y
7	IC 410-652703/19	25.0	35.280238	10.0	1035762.0	1.41121	Y



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Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

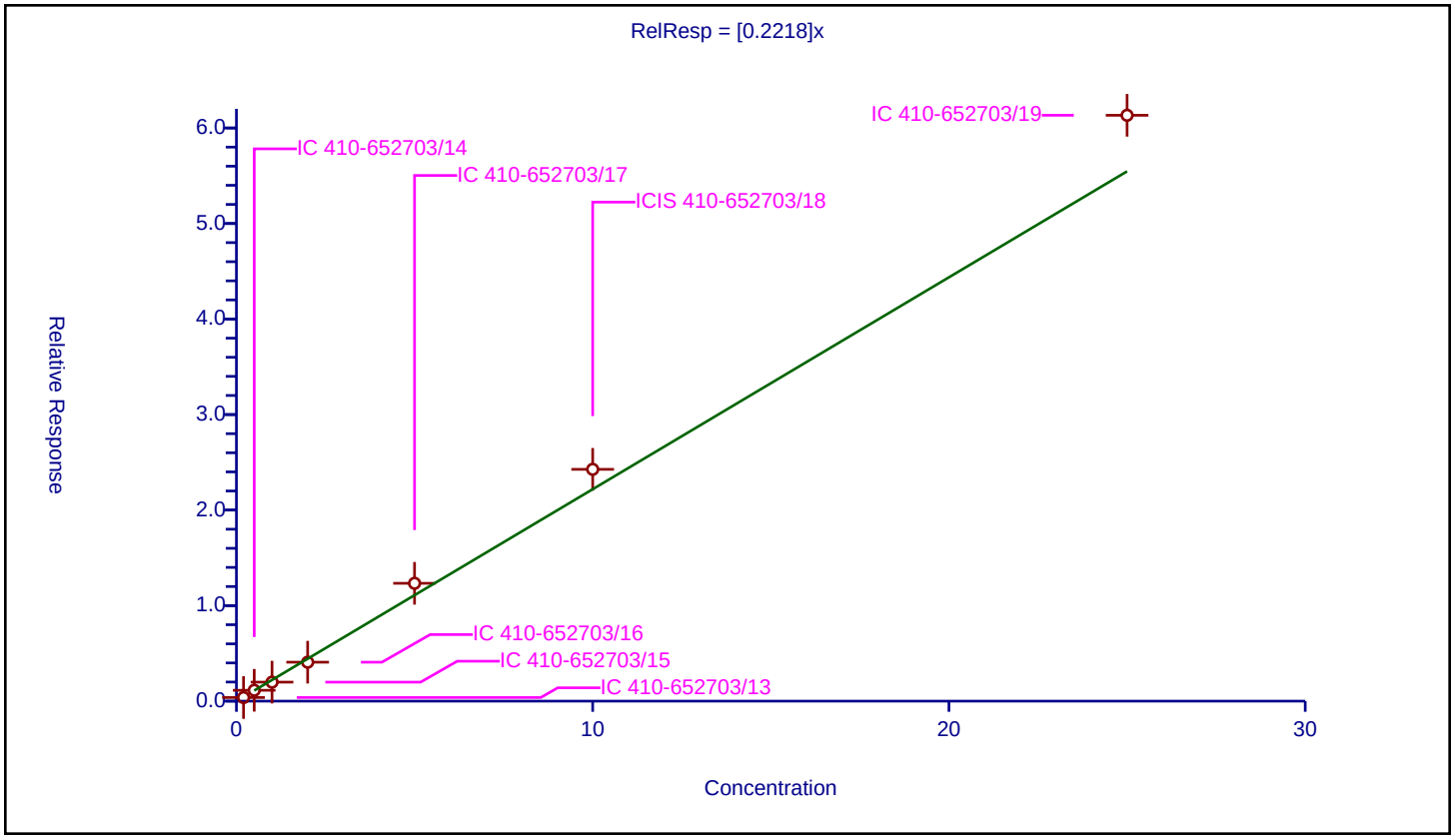
Curve Coefficients

Intercept:	0
Slope:	0.2218

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.037643	10.0	918354.0	0.188217	Y
2	IC 410-652703/14	0.5	0.113643	10.0	903799.0	0.227285	Y
3	IC 410-652703/15	1.0	0.198838	10.0	939357.0	0.198838	Y
4	IC 410-652703/16	2.0	0.407691	10.0	968209.0	0.203845	Y
5	IC 410-652703/17	5.0	1.233706	10.0	982114.0	0.246741	Y
6	ICIS 410-652703/18	10.0	2.426771	10.0	997762.0	0.242677	Y
7	IC 410-652703/19	25.0	6.132953	10.0	1035762.0	0.245318	Y



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Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

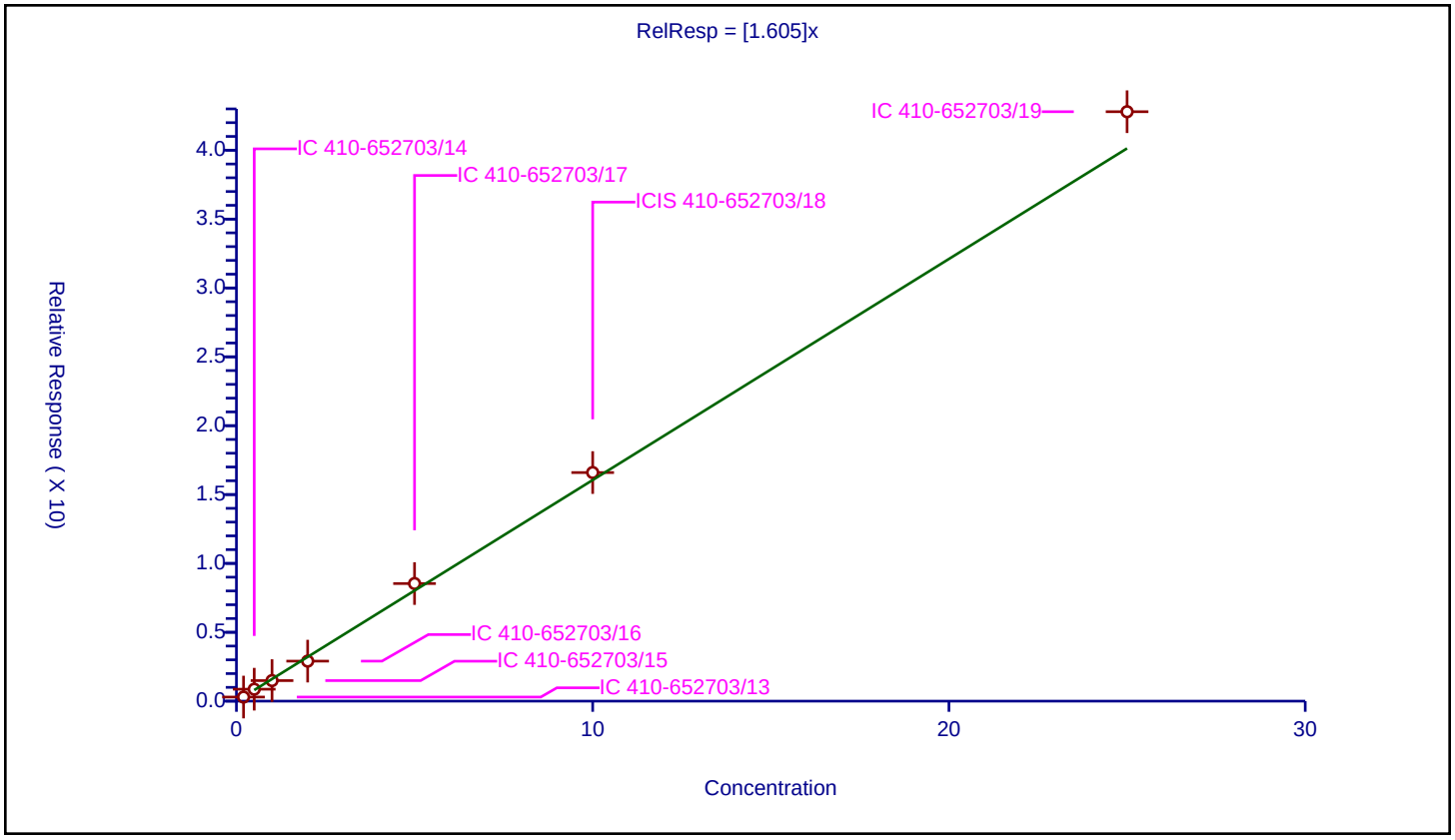
Curve Coefficients

Intercept:	0
Slope:	1.605

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.296084	10.0	918354.0	1.48042	Y
2	IC 410-652703/14	0.5	0.866775	10.0	903799.0	1.733549	Y
3	IC 410-652703/15	1.0	1.491297	10.0	939357.0	1.491297	Y
4	IC 410-652703/16	2.0	2.905096	10.0	968209.0	1.452548	Y
5	IC 410-652703/17	5.0	8.538571	10.0	982114.0	1.707714	Y
6	ICIS 410-652703/18	10.0	16.596583	10.0	997762.0	1.659658	Y
7	IC 410-652703/19	25.0	42.795604	10.0	1035762.0	1.711824	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

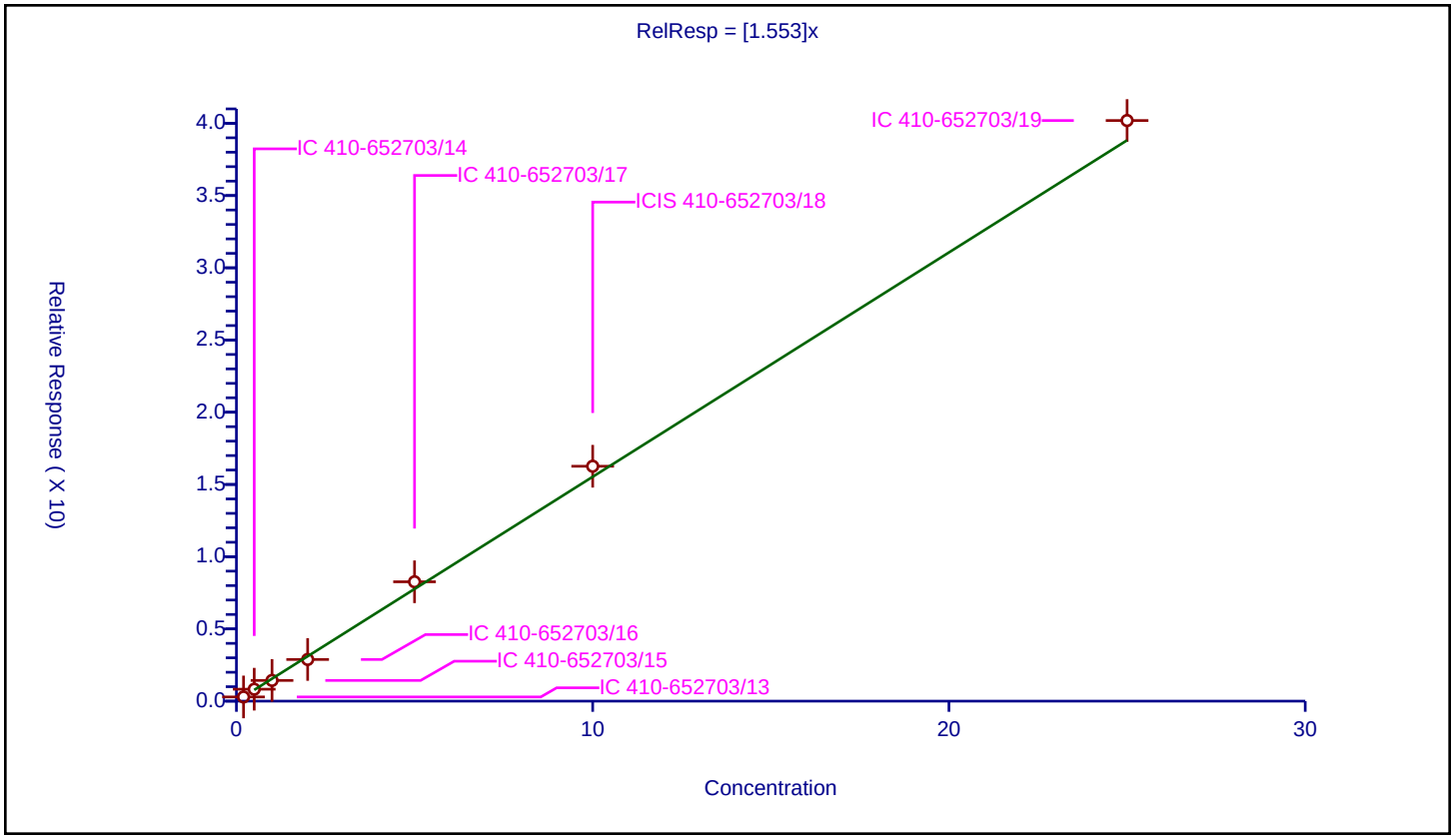
Curve Coefficients

Intercept:	0
Slope:	1.553

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.291151	10.0	918354.0	1.455757	Y
2	IC 410-652703/14	0.5	0.826732	10.0	903799.0	1.653465	Y
3	IC 410-652703/15	1.0	1.433843	10.0	939357.0	1.433843	Y
4	IC 410-652703/16	2.0	2.884253	10.0	968209.0	1.442127	Y
5	IC 410-652703/17	5.0	8.262259	10.0	982114.0	1.652452	Y
6	ICIS 410-652703/18	10.0	16.262245	10.0	997762.0	1.626224	Y
7	IC 410-652703/19	25.0	40.194446	10.0	1035762.0	1.607778	Y



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Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

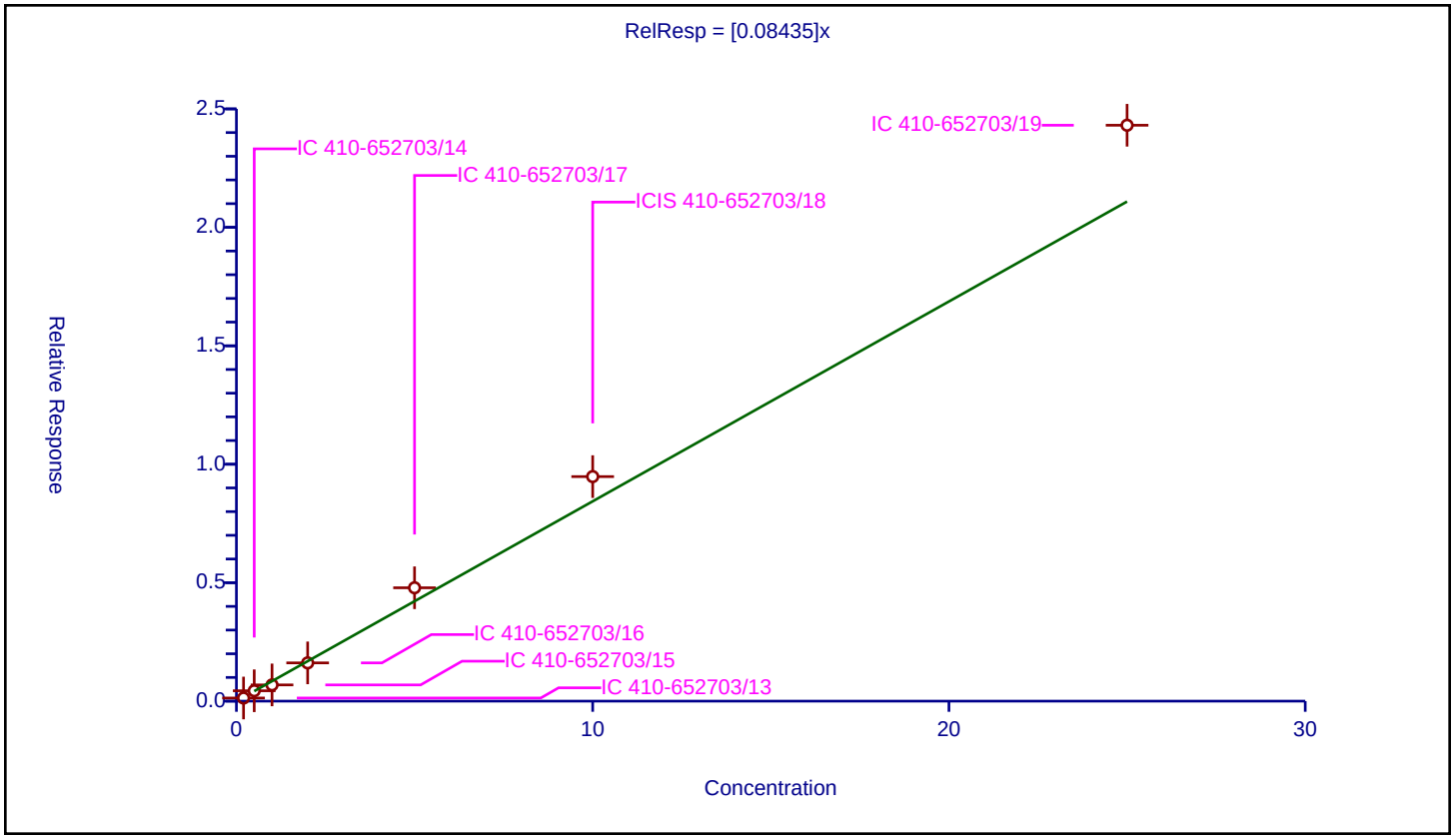
Curve Coefficients

Intercept:	0
Slope:	0.08435

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.013176	10.0	918354.0	0.065879	Y
2	IC 410-652703/14	0.5	0.043793	10.0	903799.0	0.087586	Y
3	IC 410-652703/15	1.0	0.068526	10.0	939357.0	0.068526	Y
4	IC 410-652703/16	2.0	0.161494	10.0	968209.0	0.080747	Y
5	IC 410-652703/17	5.0	0.47856	10.0	982114.0	0.095712	Y
6	ICIS 410-652703/18	10.0	0.947831	10.0	997762.0	0.094783	Y
7	IC 410-652703/19	25.0	2.431012	10.0	1035762.0	0.09724	Y



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Calibration / 1,3,5-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

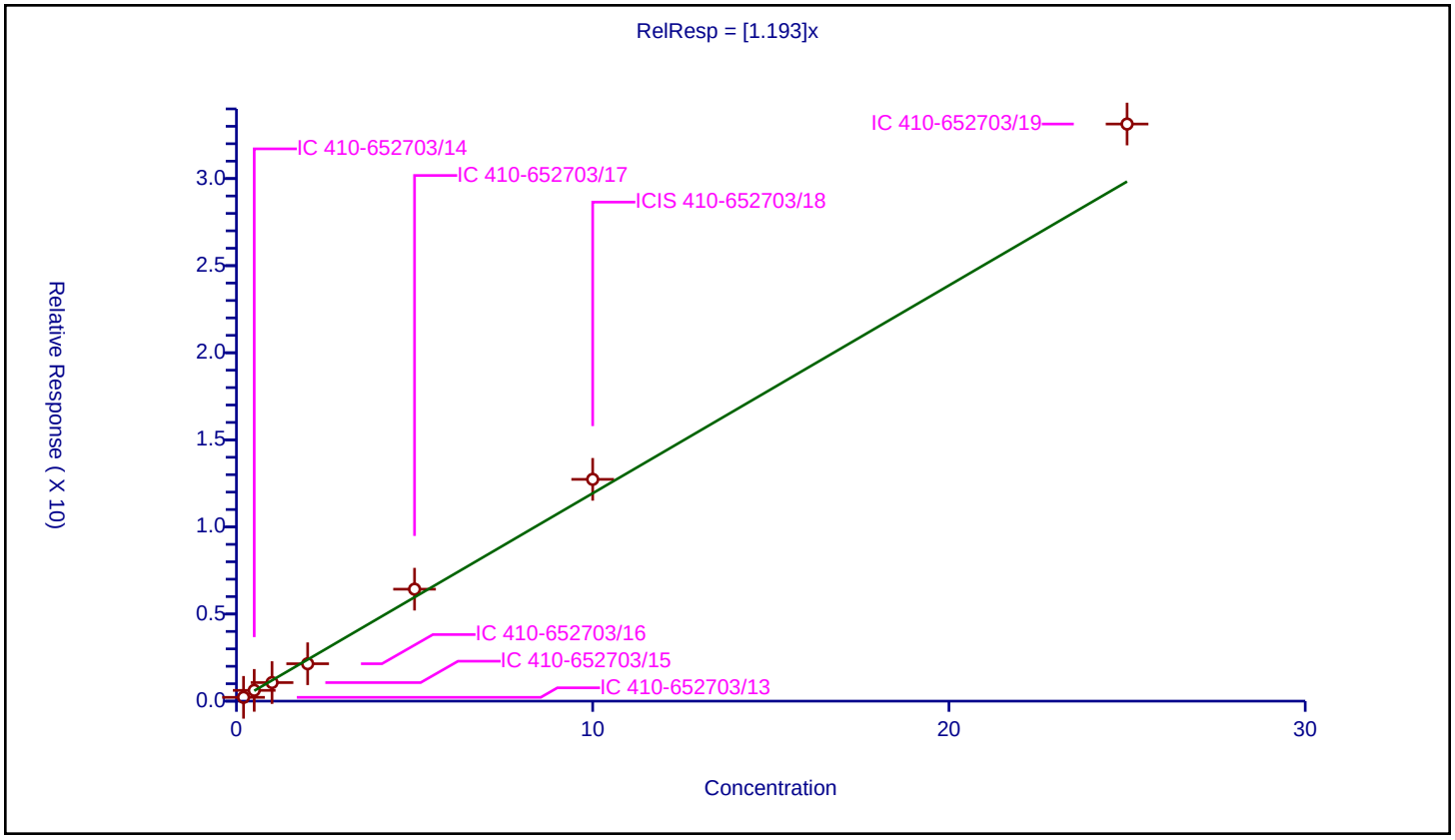
Curve Coefficients

Intercept:	0
Slope:	1.193

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.218565	10.0	918354.0	1.092825	Y
2	IC 410-652703/14	0.5	0.618854	10.0	903799.0	1.237709	Y
3	IC 410-652703/15	1.0	1.064771	10.0	939357.0	1.064771	Y
4	IC 410-652703/16	2.0	2.146747	10.0	968209.0	1.073374	Y
5	IC 410-652703/17	5.0	6.427288	10.0	982114.0	1.285458	Y
6	ICIS 410-652703/18	10.0	12.732626	10.0	997762.0	1.273263	Y
7	IC 410-652703/19	25.0	33.13125	10.0	1035762.0	1.32525	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

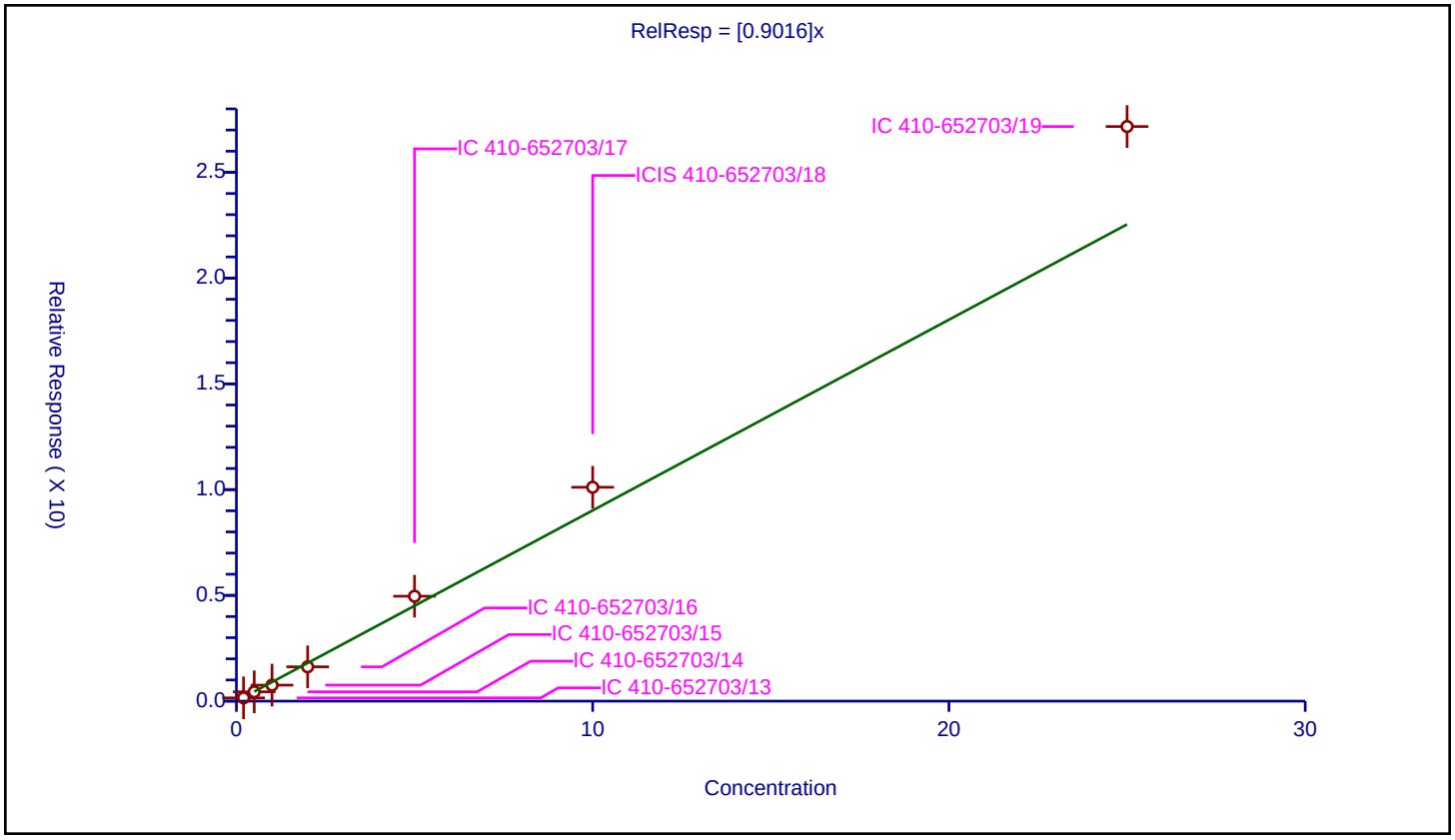
Curve Coefficients

Intercept:	0
Slope:	0.9016

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.154559	10.0	918354.0	0.772796	Y
2	IC 410-652703/14	0.5	0.439854	10.0	903799.0	0.879709	Y
3	IC 410-652703/15	1.0	0.757476	10.0	939357.0	0.757476	Y
4	IC 410-652703/16	2.0	1.622212	10.0	968209.0	0.811106	Y
5	IC 410-652703/17	5.0	4.960656	10.0	982114.0	0.992131	Y
6	ICIS 410-652703/18	10.0	10.112211	10.0	997762.0	1.011221	Y
7	IC 410-652703/19	25.0	27.166202	10.0	1035762.0	1.086648	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

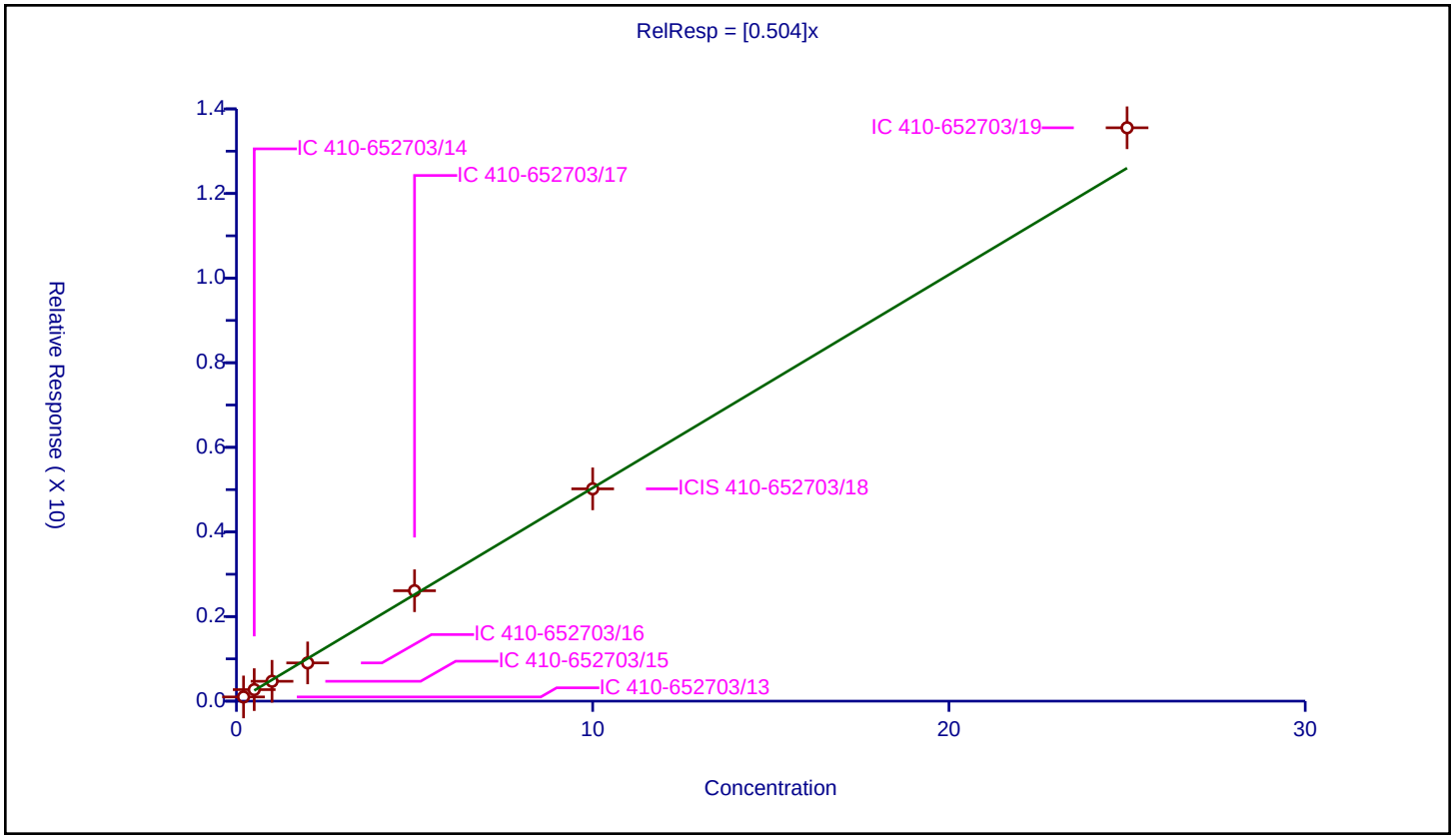
Curve Coefficients

Intercept:	0
Slope:	0.504

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.099384	10.0	918354.0	0.496922	Y
2	IC 410-652703/14	0.5	0.272096	10.0	903799.0	0.544192	Y
3	IC 410-652703/15	1.0	0.469374	10.0	939357.0	0.469374	Y
4	IC 410-652703/16	2.0	0.903658	10.0	968209.0	0.451829	Y
5	IC 410-652703/17	5.0	2.610257	10.0	982114.0	0.522051	Y
6	ICIS 410-652703/18	10.0	5.018371	10.0	997762.0	0.501837	Y
7	IC 410-652703/19	25.0	13.553596	10.0	1035762.0	0.542144	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

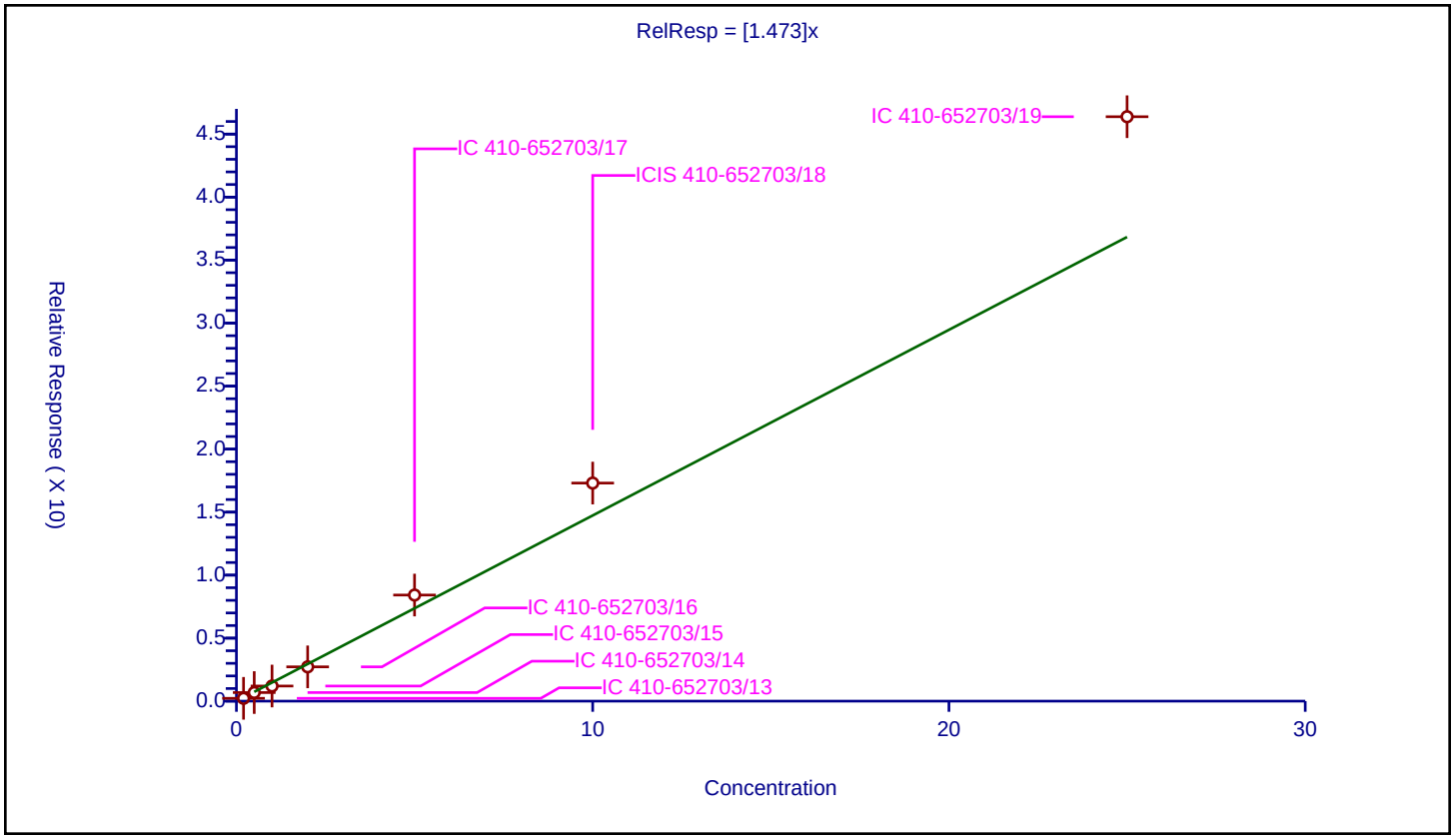
Curve Coefficients

Intercept:	0
Slope:	1.473

Error Coefficients

Relative Standard Deviation:	19.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.223955	10.0	918354.0	1.119775	Y
2	IC 410-652703/14	0.5	0.682087	10.0	903799.0	1.364175	Y
3	IC 410-652703/15	1.0	1.199288	10.0	939357.0	1.199288	Y
4	IC 410-652703/16	2.0	2.721334	10.0	968209.0	1.360667	Y
5	IC 410-652703/17	5.0	8.419929	10.0	982114.0	1.683986	Y
6	ICIS 410-652703/18	10.0	17.305379	10.0	997762.0	1.730538	Y
7	IC 410-652703/19	25.0	46.378628	10.0	1035762.0	1.855145	Y



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Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

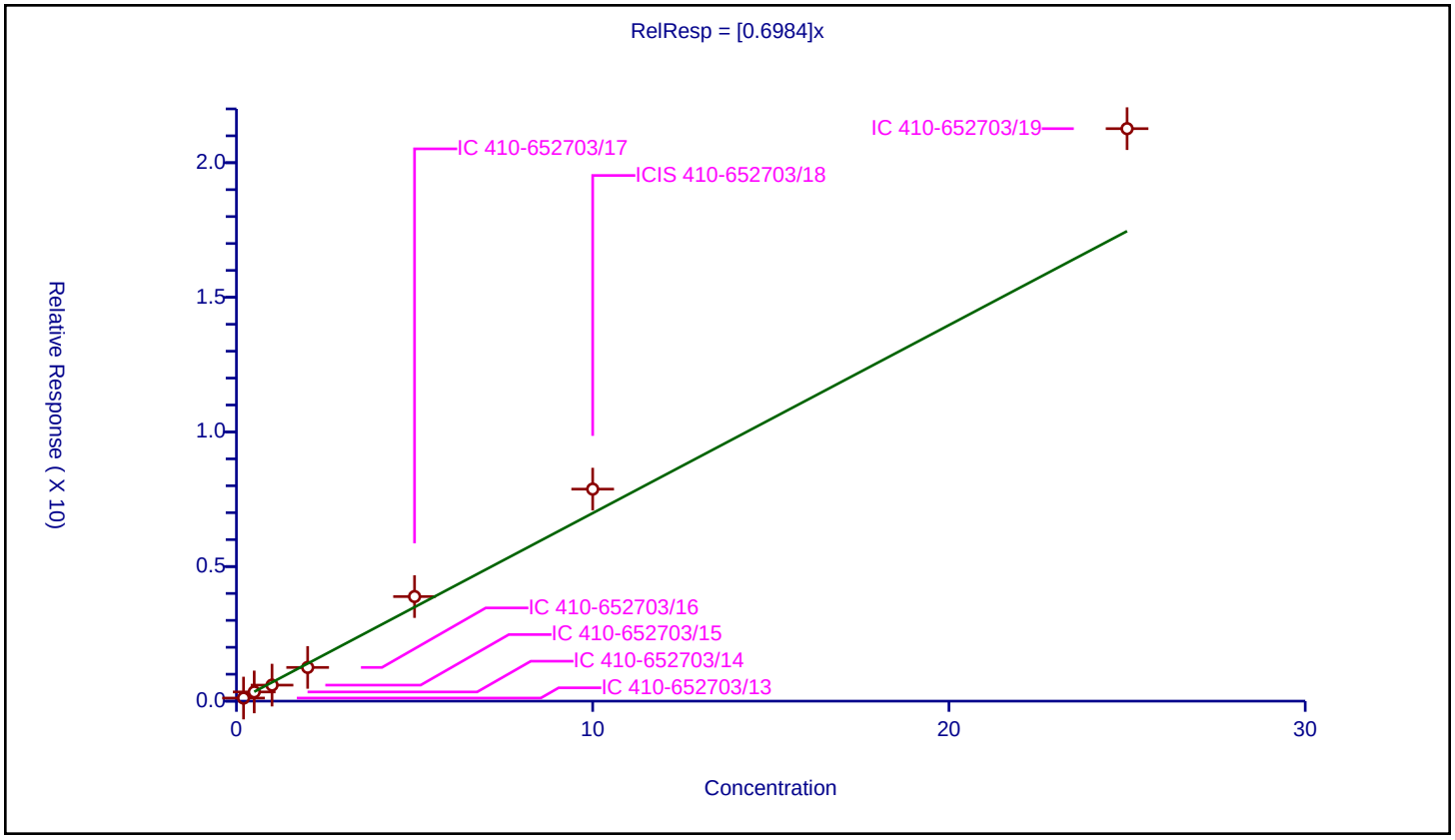
Curve Coefficients

Intercept:	0
Slope:	0.6984

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-652703/13	0.2	0.113823	10.0	918354.0	0.569116	Y
2	IC 410-652703/14	0.5	0.341625	10.0	903799.0	0.683249	Y
3	IC 410-652703/15	1.0	0.594811	10.0	939357.0	0.594811	Y
4	IC 410-652703/16	2.0	1.252364	10.0	968209.0	0.626182	Y
5	IC 410-652703/17	5.0	3.884651	10.0	982114.0	0.77693	Y
6	ICIS 410-652703/18	10.0	7.876287	10.0	997762.0	0.787629	Y
7	IC 410-652703/19	25.0	21.266053	10.0	1035762.0	0.850642	Y



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FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-652703/11 Calibration Date: 06/04/2025 20:22

Instrument ID: 10193 Calib Start Date: 06/04/2025 17:23

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 19:37

Lab File ID: CU04X10.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.3963	0.4065		5.13	5.00	2.6	30.0
Dimethyl ether	Ave	0.4500	0.4474		4.97	5.00	-0.6	30.0
Acetonitrile	Ave	0.0181	0.0156		16.2	18.8	-13.7	30.0
Vinyl acetate	Ave	0.3609	0.3149		10.9	12.5	-12.8	30.0
Ethyl acetate	Ave	0.1745	0.1690		2.42	2.50	-3.2	30.0
n-Propyl acetate	Ave	0.0793	0.0812		2.56	2.50	2.4	30.0
2-Chloroethyl vinyl ether	Ave	0.1163	0.1320		5.68	5.00	13.5	30.0
cis-1,4-Dichloro-2-butene	Ave	0.0856	0.0942			12.5	10.0	30.0
Cyclohexanone	Ave	0.3290	0.3605		137	125	9.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X10.D
Lims ID: ICV Sm
Client ID:
Sample Type: ICV
Inject. Date: 04-Jun-2025 20:22:30 ALS Bottle#: 10 Worklist Smp#: 11
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-011
Misc. Info.: ICV SM
Operator ID: knk41612 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 08:51:16 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 11:05:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116	1.726	1.720	0.006	93	233012	5.00	5.56	
3 Chlorodifluoromethane	51	1.781	1.768	0.013	98	462667	5.00	5.13	
4 Dimethyl ether	45	1.811	1.805	0.006	100	509230	5.00	4.97	
8 2-Chloro-1,1,1-Trifluoroethane	118	2.085	2.079	0.006	35	372547	5.00	5.19	
27 Acetonitrile	41	3.469	3.451	0.018	95	66500	18.8	16.2	
* 31 t-Butyl alcohol-d10 (IS)	65	3.677	3.671	0.006	97	182175	50.0	50.0	
38 Vinyl acetate	43	4.658	4.640	0.018	98	896009	12.5	10.9	
46 Ethyl acetate	43	5.560	5.554	0.006	99	96181	2.50	2.42	
63 Isopropyl acetate	43	6.834	6.828	0.006	98	220467	2.50	2.47	
* 65 Fluorobenzene (IS)	96	7.145	7.146	-0.001	99	2276581	10.0	10.0	
75 n-Propyl acetate	61	8.176	8.170	0.006	99	46197	2.50	2.56	
79 2-Chloroethyl vinyl ether	63	8.724	8.724	0.000	92	150276	5.00	5.68	
109 n-Butyl acetate	43	10.224	10.224	0.000	98	200347	2.50	2.56	
* 111 Chlorobenzene-d5 (IS)	117	10.815	10.816	-0.001	87	1732682	10.0	10.0	
122 cis-1,4-Dichloro-2-butene	88	11.773	11.772	0.000	98	204063	12.5	13.8	
123 Cyclohexanone	55	11.803	11.797	0.006	92	164154	125.0	136.9	
* 139 1,4-Dichlorobenzene-d4	152	12.772	12.766	0.006	95	926446	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_LCS_V5ACE_00053	Amount Added:	6.25	Units: uL
MSV_LCS_CYC_00011	Amount Added:	12.50	Units: uL
MSV_LCS_LKB_00014	Amount Added:	25.00	Units: uL
MSV_LCS_2CEVE_00231	Amount Added:	12.50	Units: uL
MSV_LCS_SMFre_00089	Amount Added:	12.50	Units: uL
MSV_HP25_ISO_00013	Amount Added:	1.00	Units: uL
MSV_DME_00064	Amount Added:	0.50	Units: uL

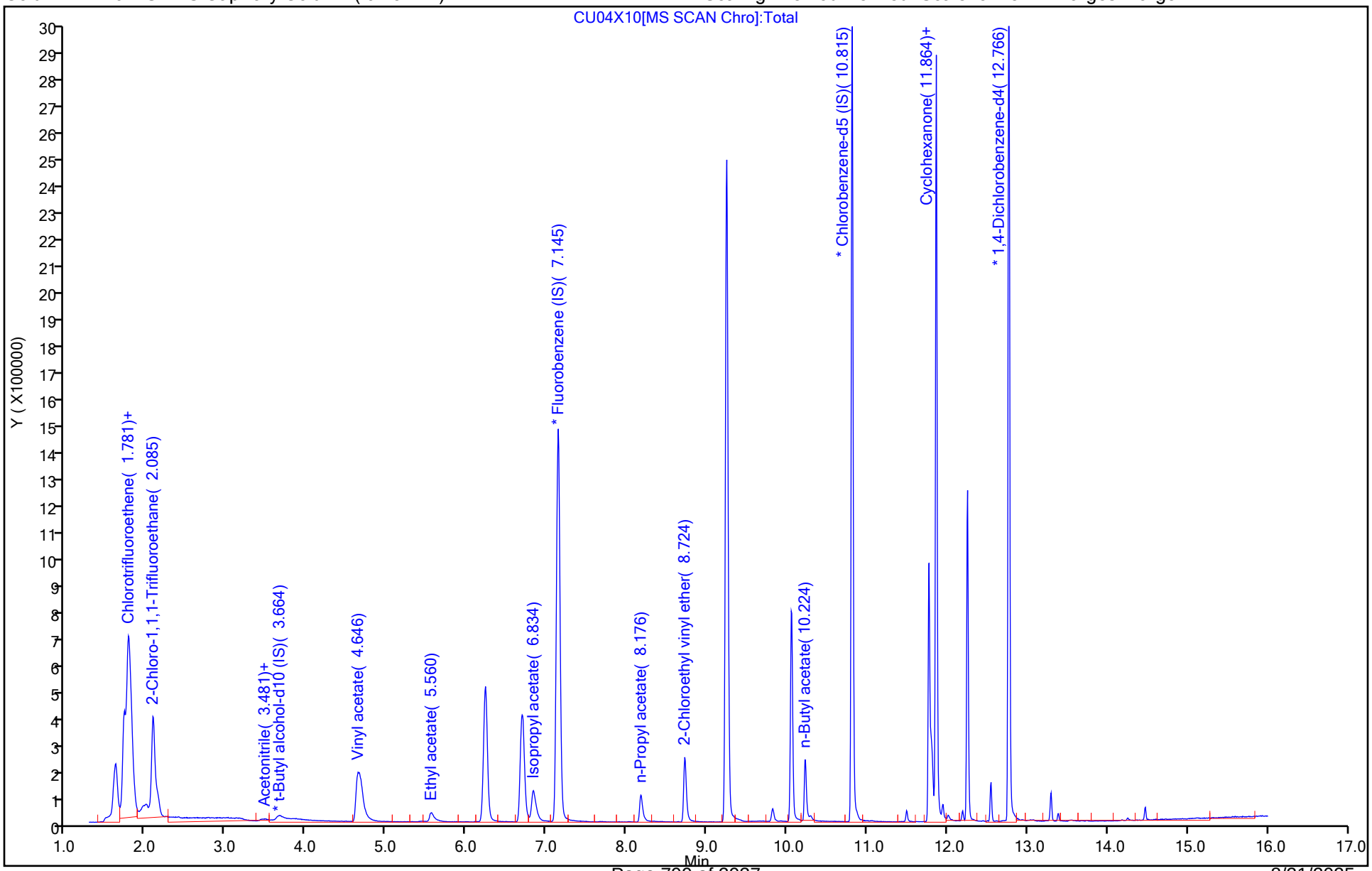
Report Date: 06-Jun-2025 08:51:44 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X10.D

Injection Date:	04-Jun-2025 20:22:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	ICV Sm			Worklist Smp#:	11
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



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FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-652703/21 Calibration Date: 06/05/2025 00:04

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CU04X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3256	0.2771	0.1000	4.25	5.00	-14.9	30.0
Chloromethane	Ave	0.3862	0.3526	0.1000	4.57	5.00	-8.7	30.0
1,3-Butadiene	Ave	0.4446	0.3806		4.28	5.00	-14.4	30.0
Vinyl chloride	Ave	0.3413	0.3350	0.1000	4.91	5.00	-1.8	30.0
Bromomethane	Ave	0.2182	0.2029	0.1000	4.65	5.00	-7.0	30.0
Chloroethane	Ave	0.1935	0.1927	0.1000	4.98	5.00	-0.4	30.0
Dichlorofluoromethane	Ave	0.5586	0.5462		4.89	5.00	-2.2	30.0
Trichlorofluoromethane	Ave	0.4317	0.4220	0.1000	4.89	5.00	-2.2	30.0
Diethyl ether	Ave	0.2057	0.2188		5.28	4.96	6.4	30.0
Freon 123a	Ave	0.3018	0.3046		5.05	5.00	0.9	30.0
Acrolein	Ave	1.812	1.864		37.6	36.6	2.8	30.0
1,1-Dichloroethene	Ave	0.2128	0.2369	0.1000	5.57	5.00	11.3	30.0
Acetone	Ave	2.365	2.133	0.1000	56.4	62.5	-9.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2211	0.2190	0.1000	4.95	5.00	-0.9	30.0
Methyl iodide	Ave	0.4330	0.4202		4.85	5.00	-3.0	30.0
Ethyl bromide	Ave	0.2041	0.2045		5.02	5.01	0.2	30.0
Carbon disulfide	Ave	0.7842	0.7824	0.1000	4.99	5.00	-0.2	30.0
Methyl acetate	Ave	6.370	6.576	0.1000	5.16	5.00	3.2	30.0
Allyl chloride	Ave	0.4006	0.3968		4.95	5.00	-1.0	30.0
Methylene Chloride	Ave	0.2569	0.2729	0.1000	5.31	5.00	6.2	30.0
t-Butyl alcohol	Ave	0.7429	0.7175		48.3	50.0	-3.4	30.0
Acrylonitrile	Ave	3.469	3.229		23.3	25.0	-6.9	30.0
Methyl tertiary butyl ether	Ave	0.7278	0.7117	0.1000	4.89	5.00	-2.2	30.0
trans-1,2-Dichloroethene	Ave	0.2625	0.2799	0.1000	5.33	5.00	6.6	30.0
n-Hexane	Ave	0.3574	0.3474		4.86	5.00	-2.8	30.0
1,1-Dichloroethane	Ave	0.4780	0.5084	0.2000	5.32	5.00	6.4	30.0
di-Isopropyl ether	Ave	0.8840	0.8763		4.96	5.00	-0.9	30.0
2-Chloro-1,3-butadiene	Ave	0.4217	0.4211		4.99	5.00	-0.2	30.0
Ethyl t-butyl ether	Ave	0.8703	0.8463		4.86	5.00	-2.8	30.0
2-Butanone	Ave	4.540	4.443	0.1000	61.2	62.5	-2.1	30.0
cis-1,2-Dichloroethene	Ave	0.3024	0.3098	0.1000	5.12	5.00	2.4	30.0
2,2-Dichloropropane	Ave	0.3754	0.3550		4.73	5.00	-5.4	30.0
Propionitrile	Ave	1.225	1.317		40.3	37.5	7.5	30.0
Methacrylonitrile	Ave	4.399	4.651		39.7	37.5	5.7	30.0
Bromochloromethane	Ave	0.1350	0.1352		5.01	5.00	0.1	30.0
Tetrahydrofuran	Ave	1.291	1.293		25.0	25.0	0.1	30.0
Chloroform	Ave	0.4853	0.5023	0.2000	5.18	5.00	3.5	30.0
1,1,1-Trichloroethane	Ave	0.4251	0.4455	0.1000	5.24	5.00	4.8	30.0
Cyclohexane	Ave	0.4519	0.4543	0.1000	5.03	5.00	0.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-652703/21 Calibration Date: 06/05/2025 00:04

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CU04X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3622	0.3813	0.1000	5.26	5.00	5.3	30.0
1,1-Dichloropropene	Ave	0.3815	0.3825		5.01	5.00	0.3	30.0
Isobutyl alcohol	Ave	0.3027	0.3064		127	125	1.2	30.0
Benzene	Ave	1.137	1.178	0.5000	5.18	5.00	3.5	30.0
1,2-Dichloroethane	Ave	0.3111	0.3181	0.1000	5.11	5.00	2.3	30.0
t-Amyl methyl ether	Ave	0.7782	0.7815		5.02	5.00	0.4	30.0
n-Heptane	Ave	0.3521	0.3617		5.14	5.00	2.7	30.0
n-Butanol	Ave	0.2850	0.2966		260	250	4.1	30.0
Trichloroethene	Ave	0.3010	0.3069	0.2000	5.10	5.00	2.0	30.0
Methylcyclohexane	Ave	0.4837	0.4782	0.1000	4.94	5.00	-1.1	30.0
1,2-Dichloropropane	Ave	0.2911	0.2953	0.1000	5.07	5.00	1.5	30.0
1,4-Dioxane	Ave	0.0704	0.0759	0.0050	135	125	7.9	30.0
Dibromomethane	Ave	0.1439	0.1450		5.04	5.00	0.7	30.0
Methyl methacrylate	Ave	9.058	8.748		4.83	5.00	-3.4	30.0
Bromodichloromethane	Ave	0.3547	0.3646	0.2000	5.14	5.00	2.8	30.0
2-Nitropropane	Ave	2.925	2.636			5.00	-9.9	30.0
1-Bromo-2-chloroethane	Ave	0.2850	0.3063		5.37	5.00	7.5	30.0
cis-1,3-Dichloropropene	Ave	0.4367	0.4217	0.2000	4.83	5.00	-3.4	30.0
4-Methyl-2-pentanone	Ave	12.04	11.73	0.1000	60.9	62.5	-2.6	30.0
Toluene	Ave	0.9711	0.999	0.4000	5.14	5.00	2.9	30.0
trans-1,3-Dichloropropene	Ave	0.4912	0.4944	0.1000	5.03	5.00	0.7	30.0
Ethyl methacrylate	Ave	0.4256	0.4205		4.94	5.00	-1.2	30.0
1,1,2-Trichloroethane	Ave	0.2786	0.2810	0.1000	5.04	5.00	0.9	30.0
Tetrachloroethene	Ave	0.4508	0.4630	0.2000	5.14	5.00	2.7	30.0
1,3-Dichloropropane	Ave	0.4721	0.4762		5.04	5.00	0.9	30.0
2-Hexanone	Ave	8.616	8.765	0.1000	63.6	62.5	1.7	30.0
Dibromochloromethane	Ave	0.3400	0.3491		5.13	5.00	2.7	30.0
1,2-Dibromoethane	Ave	0.2699	0.2731	0.1000	5.06	5.00	1.2	30.0
1-Chlorohexane	Ave	0.5450	0.5384		4.94	5.00	-1.2	30.0
Chlorobenzene	Ave	1.111	1.132	0.5000	5.09	5.00	1.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3783	0.3947		5.22	5.00	4.3	30.0
Ethylbenzene	Ave	1.932	1.969	0.1000	5.10	5.00	1.9	30.0
m&p-Xylene	Ave	0.7503	0.7749	0.1000	10.3	10.0	3.3	30.0
o-Xylene	Ave	0.7400	0.7625	0.3000	5.15	5.00	3.0	30.0
Styrene	Ave	1.231	1.294	0.3000	5.26	5.00	5.1	30.0
Bromoform	Ave	0.1980	0.2096	0.1000	5.29	5.00	5.9	30.0
Isopropylbenzene	Ave	1.705	2.002	0.1000	5.87	5.00	17.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6317	0.6363	0.3000	5.04	5.00	0.7	30.0
Bromobenzene	Ave	0.8876	0.9062		5.10	5.00	2.1	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1513	0.1600		26.4	25.0	5.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-652703/21 Calibration Date: 06/05/2025 00:04

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CU04X20.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.1732	0.1770		5.11	5.00	2.2	30.0
N-Propylbenzene	Ave	4.125	4.267		5.17	5.00	3.4	30.0
2-Chlorotoluene	Ave	0.8481	0.8577		5.06	5.00	1.1	30.0
1,3,5-Trimethylbenzene	Ave	2.985	3.133		5.25	5.00	5.0	30.0
4-Chlorotoluene	Ave	0.8795	0.8988		5.11	5.00	2.2	30.0
tert-Butylbenzene	Ave	0.6849	0.7013		5.12	5.00	2.4	30.0
Pentachloroethane	Ave	0.5264	0.5376		5.11	5.00	2.1	30.0
1,2,4-Trimethylbenzene	Ave	3.067	3.164		5.16	5.00	3.2	30.0
sec-Butylbenzene	Ave	3.811	4.006		5.26	5.00	5.1	30.0
1,3-Dichlorobenzene	Ave	1.702	1.774	0.6000	5.21	5.00	4.2	30.0
p-Isopropyltoluene	Ave	3.330	3.427		5.15	5.00	2.9	30.0
1,4-Dichlorobenzene	Ave	1.777	1.794	0.5000	5.05	5.00	0.9	30.0
1,2,3-Trimethylbenzene	Ave	1.386	1.406		5.07	5.00	1.4	30.0
Benzyl chloride	Ave	0.2218	0.2080		4.69	5.00	-6.2	30.0
n-Butylbenzene	Ave	1.605	1.691		5.27	5.00	5.4	30.0
1,2-Dichlorobenzene	Ave	1.553	1.606	0.4000	5.17	5.00	3.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.0844	0.0847	0.0500	5.02	5.00	0.4	30.0
1,3,5-Trichlorobenzene	Ave	1.193	1.252		5.25	5.00	4.9	30.0
1,2,4-Trichlorobenzene	Ave	0.9016	0.9943	0.2000	5.51	5.00	10.3	30.0
Hexachlorobutadiene	Ave	0.5040	0.5369		5.33	5.00	6.5	30.0
Naphthalene	Ave	1.473	1.627		5.52	5.00	10.5	30.0
1,2,3-Trichlorobenzene	Ave	0.6984	0.7554		5.41	5.00	8.2	30.0
2-Methylnaphthalene	Qua		0.6491		5.37	5.00	7.4	30.0
Dibromofluoromethane (Surr)	Ave	0.2360	0.2367		10.0	10.0	0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0487	0.0508		10.4	10.0	4.4	30.0
Toluene-d8 (Surr)	Ave	1.313	1.308		9.96	10.0	-0.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4960	0.5032		10.1	10.0	1.5	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 05-Jun-2025 00:04:30 ALS Bottle#: 20 Worklist Smp#: 21
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0149247-021
Misc. Info.: ICV LG
Operator ID: knk41612 Instrument ID: 10193
Sublist:

Method: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Jun-2025 09:19:08 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: DVW2 Date: 05-Jun-2025 10:36:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.756	1.762	-0.006	100	325547	5.00	4.25	
5 Chloromethane	50	1.945	1.945	0.000	100	414344	5.00	4.57	
7 Butadiene	39	2.018	2.025	-0.007	92	447271	5.00	4.28	
6 Vinyl chloride	62	2.043	2.043	0.000	99	393649	5.00	4.91	
9 Bromomethane	94	2.354	2.348	0.006	90	238377	5.00	4.65	M
10 Chloroethane	64	2.372	2.372	0.000	100	226474	5.00	4.98	
11 Dichlorofluoromethane	67	2.634	2.634	0.000	97	641781	5.00	4.89	M
13 Pentane	43	2.640	2.646	-0.006	96	428656	5.00	4.86	
12 Trichlorofluoromethane	101	2.677	2.677	0.000	98	495848	5.00	4.89	M
14 Ethyl ether	59	2.823	2.823	0.000	93	255297	4.96	5.28	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.921	2.927	-0.006	93	357887	5.00	5.05	
17 Acrolein	56	2.976	2.970	0.006	99	263644	36.6	37.6	M
18 1,1-Dichloroethene	96	3.098	3.098	0.000	98	278400	5.00	5.57	
20 Acetone	43	3.116	3.116	0.000	98	515545	62.5	56.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.140	3.140	0.000	95	257350	5.00	4.95	
24 Isopropyl alcohol	45	3.256	3.250	0.006	29	61683	37.5	35.5	Ma
22 Iodomethane	142	3.262	3.262	0.000	98	493762	5.00	4.85	
23 Ethyl bromide	108	3.280	3.280	0.000	99	240675	5.01	5.02	
25 Carbon disulfide	76	3.341	3.347	-0.006	99	919398	5.00	4.99	M
26 Methyl acetate	43	3.476	3.469	0.007	98	127149	5.00	5.16	M
29 3-Chloro-1-propene	41	3.500	3.500	0.000	86	466199	5.00	4.95	a
30 Methylene Chloride	84	3.658	3.658	0.000	95	320616	5.00	5.31	
* 31 t-Butyl alcohol-d10 (IS)	65	3.671	3.671	0.000	38	193355	50.0	50.0	M
32 2-Methyl-2-propanol	59	3.768	3.774	-0.006	98	138741	50.0	48.3	
33 Acrylonitrile	53	3.957	3.957	0.000	99	312150	25.0	23.3	
34 Methyl tert-butyl ether	73	4.012	4.018	-0.006	88	836287	5.00	4.89	
35 trans-1,2-Dichloroethene	96	4.012	4.018	-0.006	99	328850	5.00	5.33	
36 Hexane	57	4.414	4.414	0.000	94	408205	5.00	4.86	
37 1,1-Dichloroethane	63	4.658	4.658	0.000	96	597437	5.00	5.32	
39 Isopropyl ether	45	4.725	4.725	0.000	97	1029641	5.00	4.96	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.768	4.768	0.000	93	494753	5.00	4.99	
41 Tert-butyl ethyl ether	59	5.274	5.274	0.000	98	994414	5.00	4.86	
42 2-Butanone (MEK)	43	5.475	5.475	0.000	99	1073739	62.5	61.2	
43 cis-1,2-Dichloroethene	96	5.512	5.512	0.000	84	364007	5.00	5.12	
44 2,2-Dichloropropane	77	5.524	5.530	-0.006	95	417128	5.00	4.73	
45 Propionitrile	54	5.579	5.573	0.006	98	191013	37.5	40.3	
47 Methacrylonitrile	67	5.792	5.798	-0.006	94	674460	37.5	39.7	
48 Chlorobromomethane	128	5.841	5.853	-0.012	93	158812	5.00	5.01	
49 Tetrahydrofuran	71	5.853	5.853	0.000	85	124993	25.0	25.0	
50 Chloroform	83	6.012	6.012	0.000	95	590274	5.00	5.18	
$ 54 Dibromofluoromethane (Surr)	113	6.237	6.231	0.006	93	556274	10.0	10.0	
53 1,1,1-Trichloroethane	97	6.231	6.231	0.000	84	523448	5.00	5.24	
55 Cyclohexane	56	6.323	6.329	-0.006	92	533846	5.00	5.03	
56 Carbon tetrachloride	117	6.451	6.444	0.007	99	448023	5.00	5.26	
57 1,1-Dichloropropene	75	6.457	6.457	0.000	97	449438	5.00	5.01	
58 Isobutyl alcohol	41	6.658	6.652	0.006	90	148120	125.0	126.5	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.694	6.694	0.000	98	119499	10.0	10.4	
60 Benzene	78	6.719	6.725	-0.006	97	1383746	5.00	5.18	
61 1,2-Dichloroethane	62	6.798	6.798	0.000	97	373750	5.00	5.11	
64 Tert-amyl methyl ether	73	6.926	6.932	-0.006	98	918336	5.00	5.02	
* 65 Fluorobenzene (IS)	96	7.146	7.146	0.000	98	2350088	10.0	10.0	
66 n-Heptane	43	7.164	7.164	0.000	94	425059	5.00	5.14	
67 n-Butanol	56	7.572	7.566	0.006	90	286767	250.0	260.2	
68 Trichloroethene	95	7.633	7.633	0.000	99	360658	5.00	5.10	
69 Methylcyclohexane	83	7.938	7.938	0.000	92	561917	5.00	4.94	
70 1,2-Dichloropropane	63	7.969	7.975	-0.006	96	346994	5.00	5.07	
71 2-ethoxy-2-methyl butane	87	7.999	8.005	-0.006	92	533008	5.00	4.97	
74 1,4-Dioxane	88	8.078	8.072	0.006	53	36688	125.0	134.8	M
73 Methyl methacrylate	69	8.084	8.084	0.000	92	169138	5.00	4.83	
72 Dibromomethane	93	8.084	8.084	0.000	86	170349	5.00	5.04	
76 Dichlorobromomethane	83	8.334	8.334	0.000	99	428365	5.00	5.14	
77 2-Nitropropane	41	8.627	8.621	0.006	98	50971	5.00	4.51	
78 1-Bromo-2-chloroethane	63	8.731	8.731	0.000	99	359913	5.00	5.37	
80 cis-1,3-Dichloropropene	75	8.907	8.907	0.000	95	495467	5.00	4.83	
82 4-Methyl-2-pentanone (MIBK)	43	9.115	9.115	0.000	97	2835416	62.5	60.9	
$ 83 Toluene-d8 (Surr)	98	9.249	9.249	0.000	94	2324271	10.0	9.96	
84 Toluene	92	9.328	9.328	0.000	98	887887	5.00	5.14	
85 trans-1,3-Dichloropropene	75	9.627	9.627	0.000	95	439308	5.00	5.03	
86 Ethyl methacrylate	69	9.706	9.706	0.000	89	373664	5.00	4.94	
87 1,1,2-Trichloroethane	97	9.840	9.846	-0.006	91	249700	5.00	5.04	
88 Tetrachloroethene	166	9.925	9.925	0.000	98	411387	5.00	5.14	
89 1,3-Dichloropropane	76	10.017	10.017	0.000	92	423118	5.00	5.04	
106 2-Hexanone	43	10.090	10.090	0.000	97	2118342	62.5	63.6	
108 Chlorodibromomethane	129	10.242	10.242	0.000	90	310186	5.00	5.13	
110 Ethylene Dibromide	107	10.352	10.352	0.000	98	242696	5.00	5.06	
* 111 Chlorobenzene-d5 (IS)	117	10.816	10.816	0.000	86	1777198	10.0	10.0	
112 1-Chlorohexane	91	10.834	10.834	0.000	97	478441	5.00	4.94	
113 Chlorobenzene	112	10.840	10.840	0.000	95	1006140	5.00	5.09	
114 1,1,1,2-Tetrachloroethane	131	10.931	10.931	0.000	96	350737	5.00	5.22	
115 Ethylbenzene	91	10.937	10.937	0.000	98	1749270	5.00	5.10	
116 m-Xylene & p-Xylene	106	11.059	11.059	0.000	97	1377231	10.0	10.3	
118 o-Xylene	106	11.401	11.401	0.000	97	677549	5.00	5.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.419	11.419	0.000	95	1150090	5.00	5.26	
120 Bromoform	173	11.578	11.578	0.000	97	186231	5.00	5.29	
121 Isopropylbenzene	105	11.718	11.718	0.000	96	1778958	5.00	5.87	
$ 124 4-Bromofluorobenzene (Surr)	95	11.864	11.864	0.000	91	894314	10.0	10.1	
126 1,1,2,2-Tetrachloroethane	83	11.980	11.980	0.000	93	310350	5.00	5.04	
125 Bromobenzene	156	11.980	11.980	0.000	92	442000	5.00	5.10	
127 trans-1,4-Dichloro-2-butene	53	12.004	12.004	0.000	94	390118	25.0	26.4	
128 1,2,3-Trichloropropane	110	12.023	12.023	0.000	84	86332	5.00	5.11	
129 N-Propylbenzene	91	12.059	12.059	0.000	99	2081530	5.00	5.17	
130 2-Chlorotoluene	126	12.132	12.132	0.000	96	418336	5.00	5.06	
131 1,3,5-Trimethylbenzene	105	12.199	12.199	0.000	95	1528349	5.00	5.25	
132 4-Chlorotoluene	126	12.230	12.230	0.000	98	438404	5.00	5.11	
133 tert-Butylbenzene	134	12.449	12.449	0.000	93	342058	5.00	5.12	
134 Pentachloroethane	167	12.480	12.474	0.006	93	262217	5.00	5.11	
135 1,2,4-Trimethylbenzene	105	12.492	12.492	0.000	98	1543400	5.00	5.16	
136 sec-Butylbenzene	105	12.614	12.614	0.000	94	1954055	5.00	5.26	
137 1,3-Dichlorobenzene	146	12.712	12.712	0.000	98	865337	5.00	5.21	
138 4-Isopropyltoluene	119	12.730	12.730	0.000	97	1671785	5.00	5.15	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.766	0.000	96	975535	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.785	12.785	0.000	96	874821	5.00	5.05	
141 1,2,3-Trimethylbenzene	120	12.803	12.803	0.000	99	685778	5.00	5.07	
142 Benzyl chloride	126	12.870	12.870	0.000	99	101455	5.00	4.69	
145 p-Diethylbenzene	119	13.010	13.004	0.006	93	1035023	5.00	5.26	
143 n-Butylbenzene	92	13.029	13.029	0.001	98	825055	5.00	5.27	
144 1,2-Dichlorobenzene	146	13.053	13.053	0.000	99	783495	5.00	5.17	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.608	0.000	95	41298	5.00	5.02	
149 1,3,5-Trichlorobenzene	180	13.736	13.736	0.000	98	610672	5.00	5.25	
150 1,2,4-Trichlorobenzene	180	14.169	14.169	0.000	94	484965	5.00	5.51	
151 Hexachlorobutadiene	225	14.254	14.254	0.000	97	261903	5.00	5.33	
152 Naphthalene	128	14.351	14.345	0.006	97	793831	5.00	5.52	
153 1,2,3-Trichlorobenzene	180	14.492	14.492	0.000	95	368442	5.00	5.41	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	316603	5.00	5.37	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_LCS_VOC#1_00222	Amount Added: 12.50	Units: uL	
MSV_QC_Gas826_00263	Amount Added: 12.50	Units: uL	
MSV_LCS_EE_00011	Amount Added: 12.50	Units: uL	
LCS_ETBR_00010	Amount Added: 12.50	Units: uL	
MSV_LCS_ACROL_00229	Amount Added: 12.50	Units: uL	
MSV_LCS_Penta_00056	Amount Added: 12.50	Units: uL	
MSV_HP25_ISSS_00114	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Jun-2025 09:19:52 Chrom Revision: 2.3 04-Jun-2025 17:32:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D

Injection Date: 05-Jun-2025 00:04:30 Instrument ID: 10193 Operator ID: knk41612

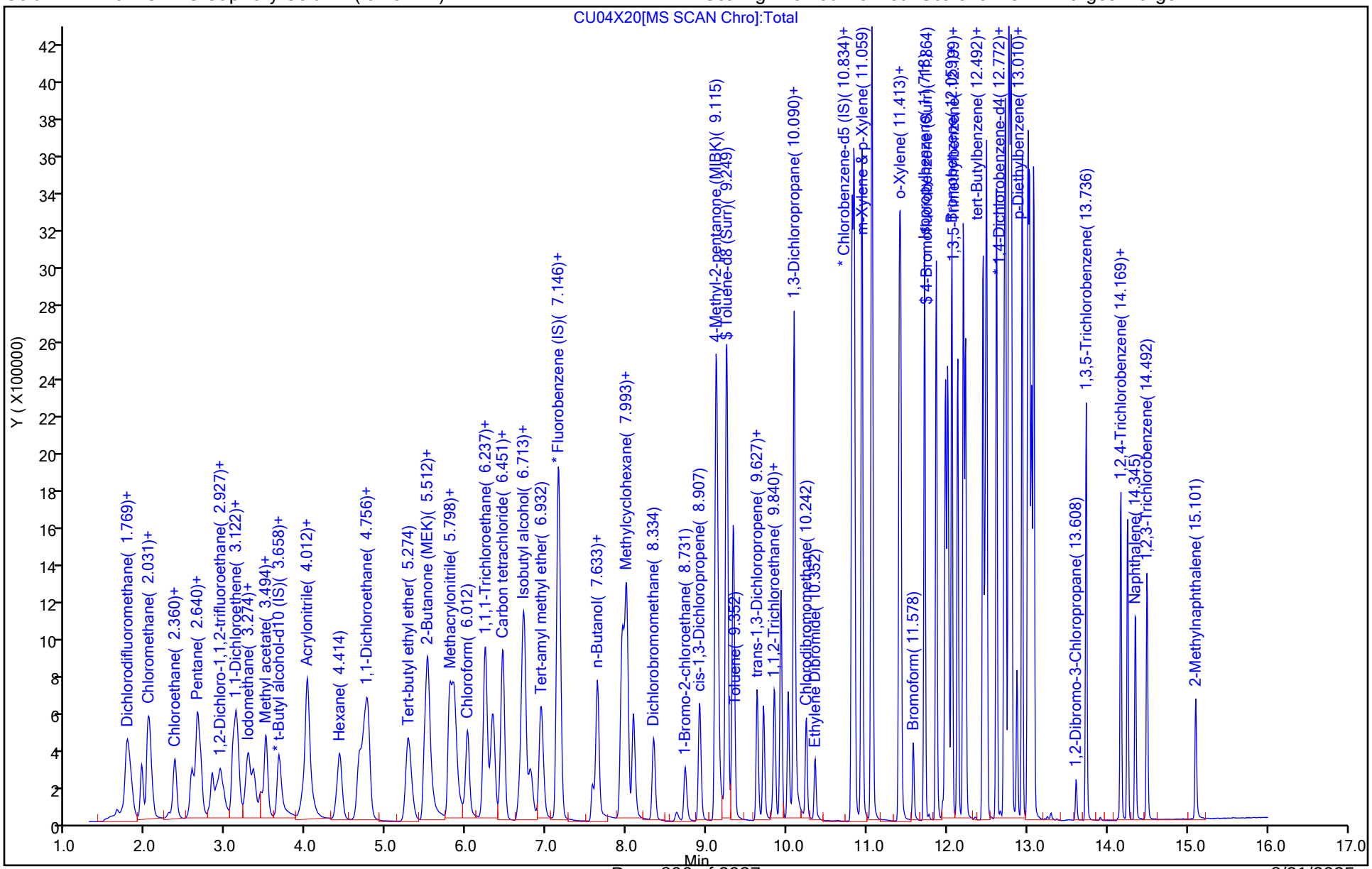
Lims ID: ICV Worklist Smp#: 21

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 20

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

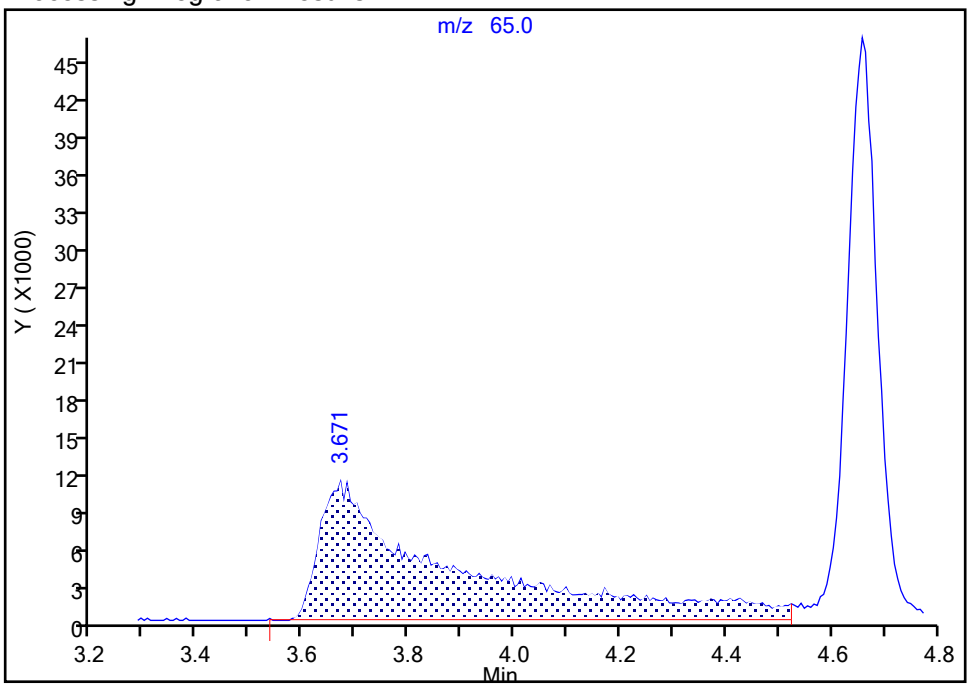
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Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

* 31 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

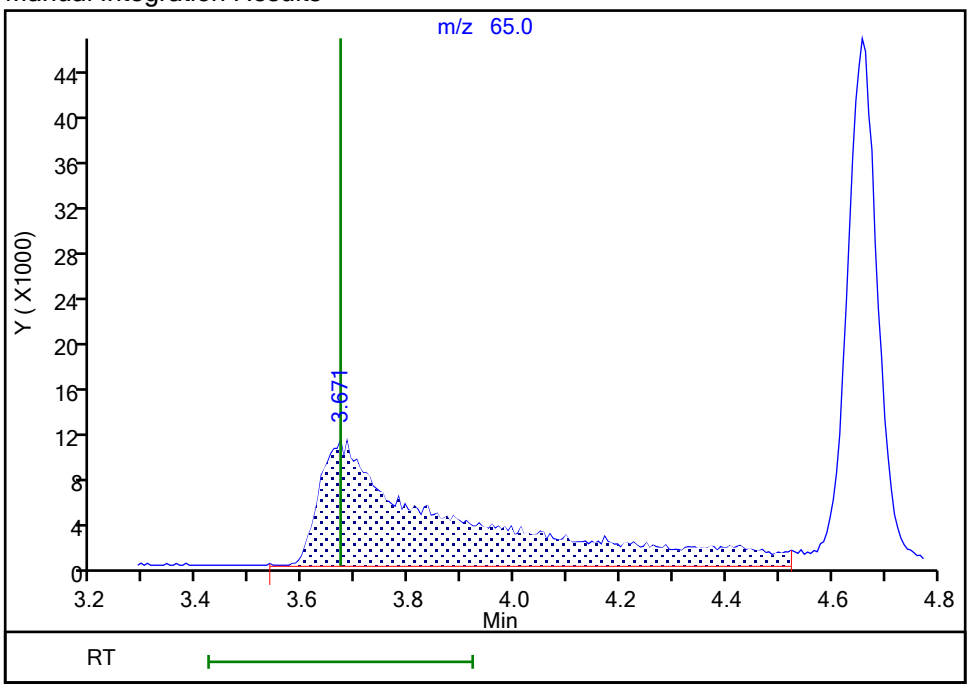
Processing Integration Results

RT: 3.67
Area: 188734
Amount: 50.000000
Amount Units: ug/l



Manual Integration Results

RT: 3.67
Area: 193355
Amount: 50.000000
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:01:16 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

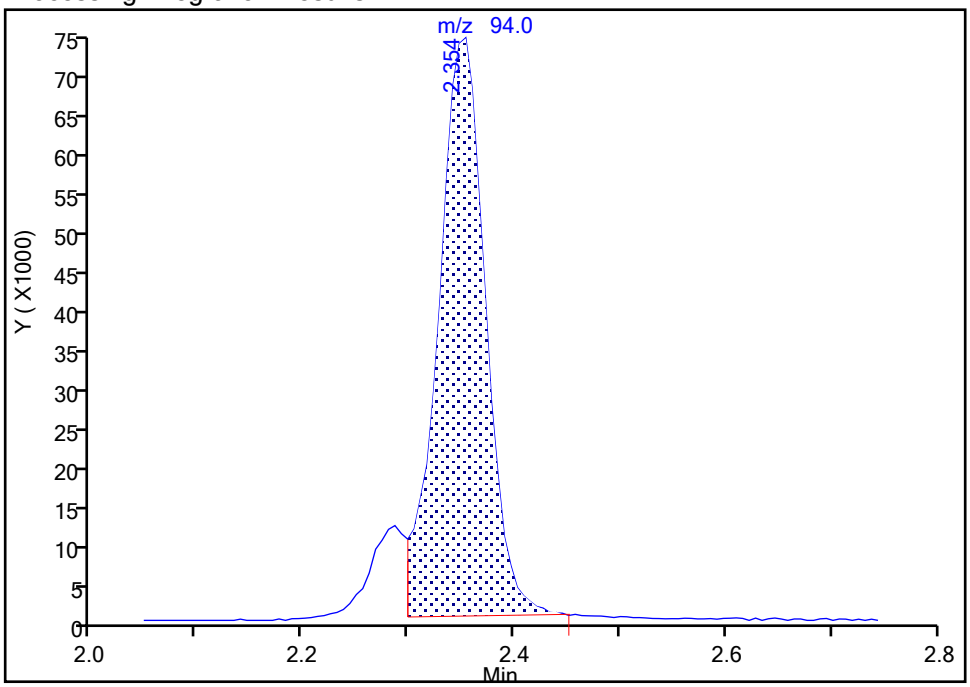
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Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

9 Bromomethane, CAS: 74-83-9

Signal: 1

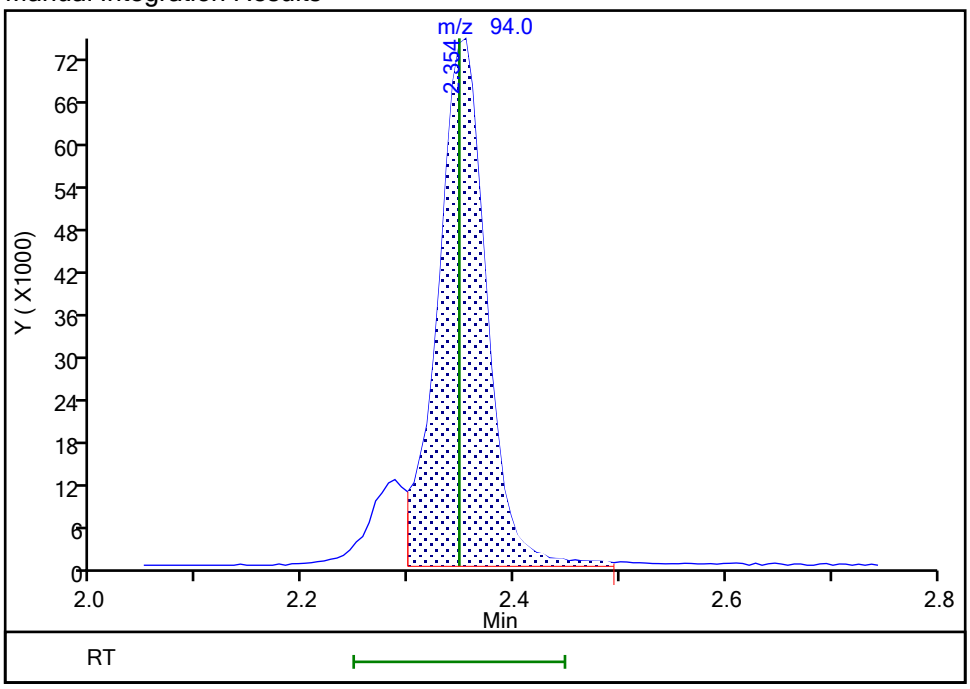
Processing Integration Results

RT: 2.35
Area: 232556
Amount: 4.535775
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 238377
Amount: 4.649308
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:04:19 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

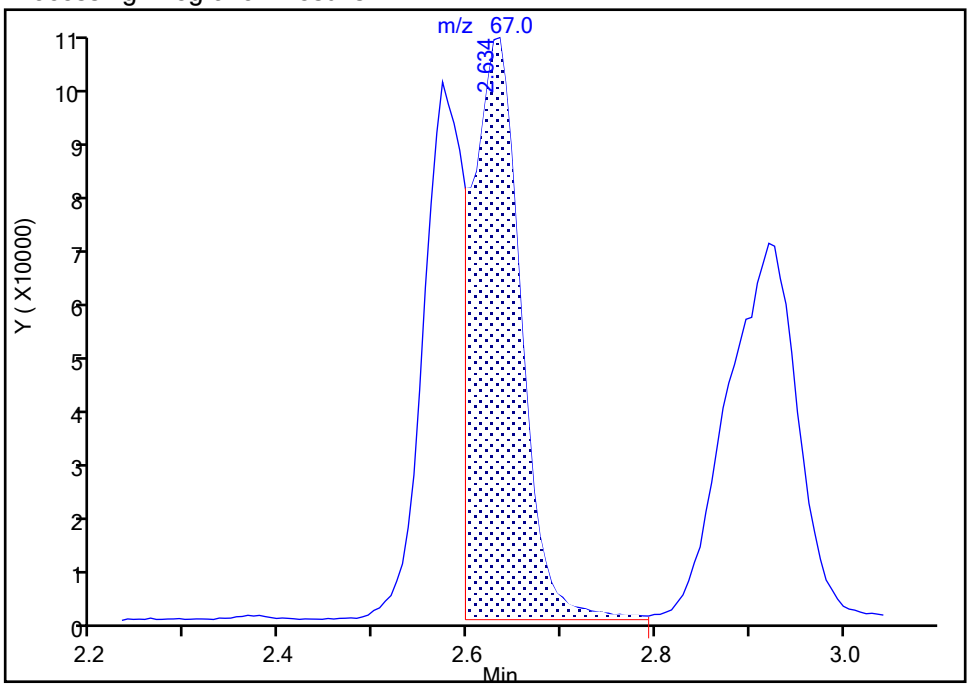
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Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

11 Dichlorofluoromethane, CAS: 75-43-4

Signal: 1

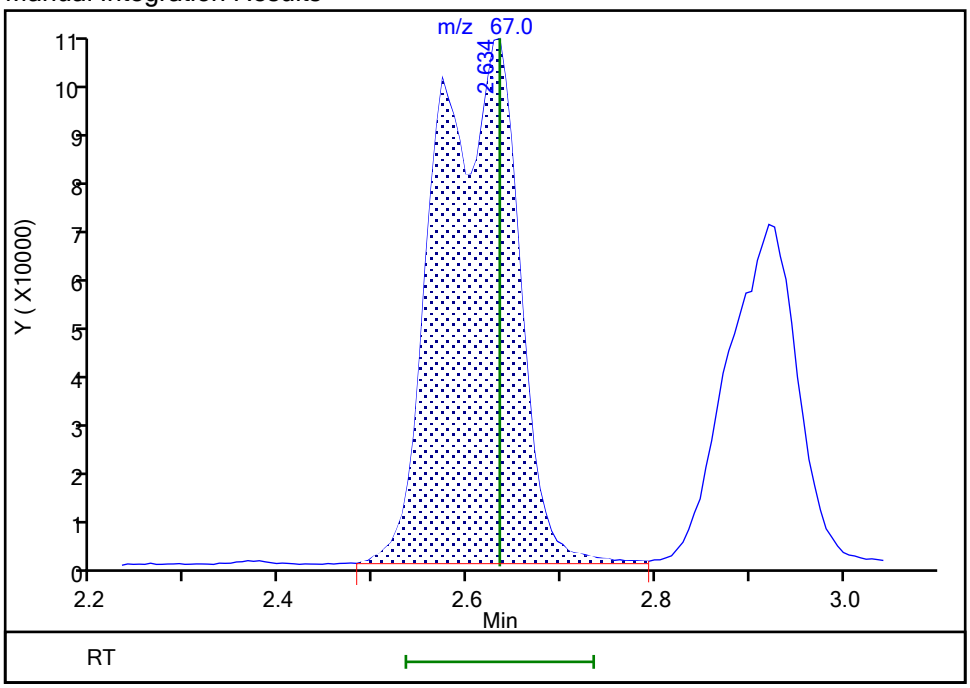
Processing Integration Results

RT: 2.63
Area: 386755
Amount: 2.946103
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 641781
Amount: 4.888762
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 10:58:53 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

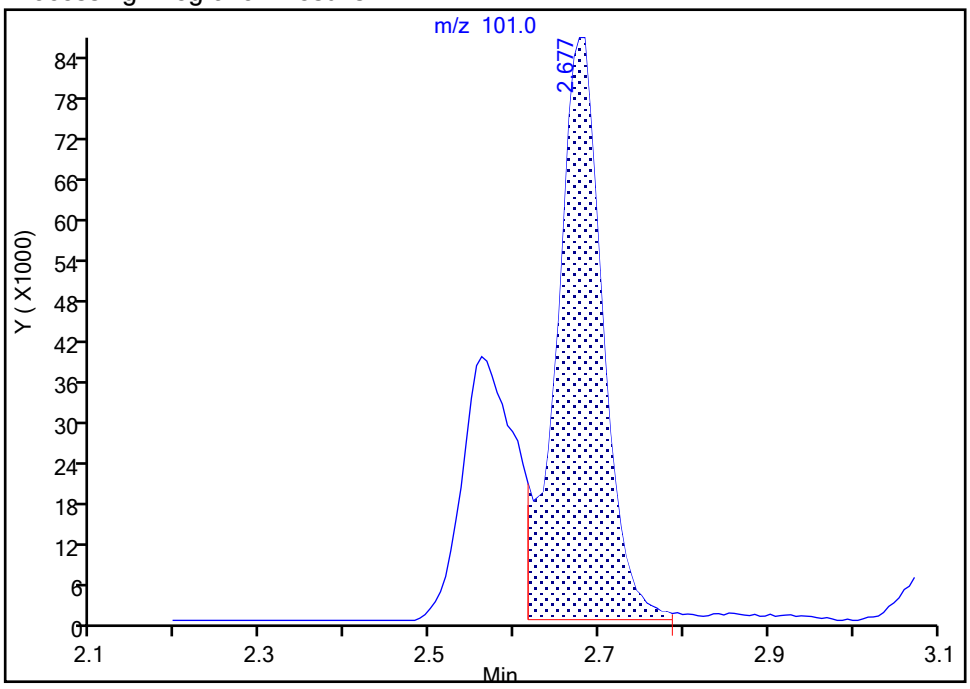
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Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

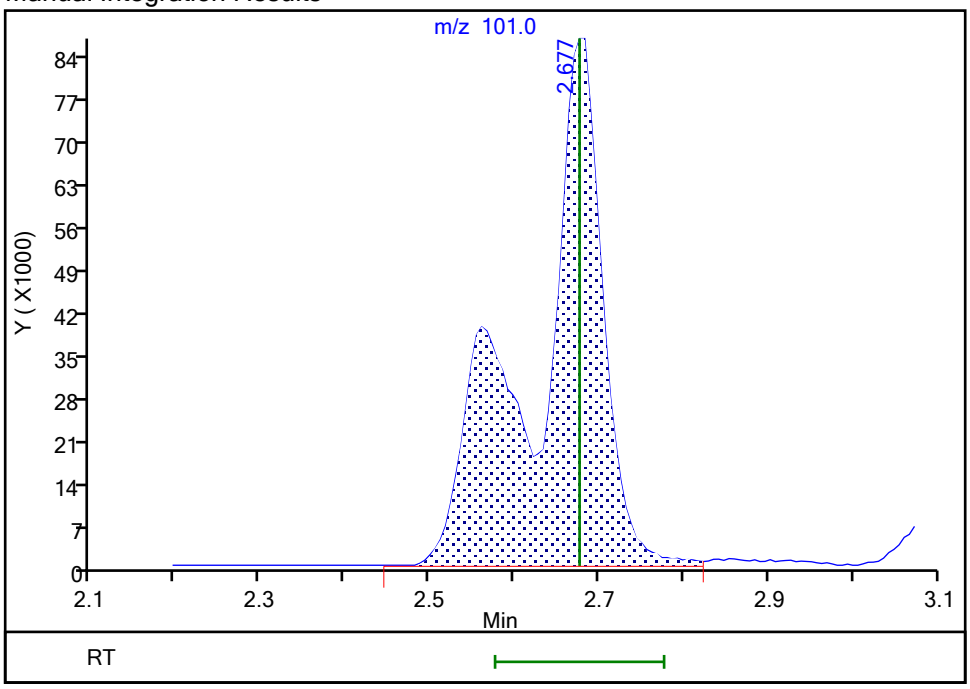
Processing Integration Results

RT: 2.68
Area: 330416
Amount: 3.256404
Amount Units: ug/l



Manual Integration Results

RT: 2.68
Area: 495848
Amount: 4.887614
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:03:01 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

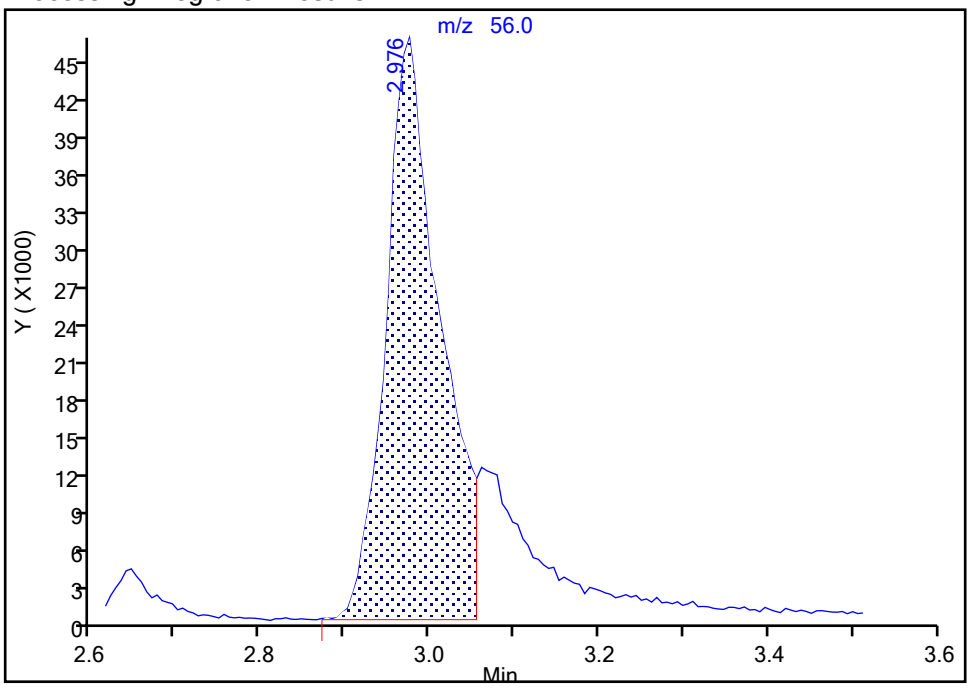
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Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

17 Acrolein, CAS: 107-02-8

Signal: 1

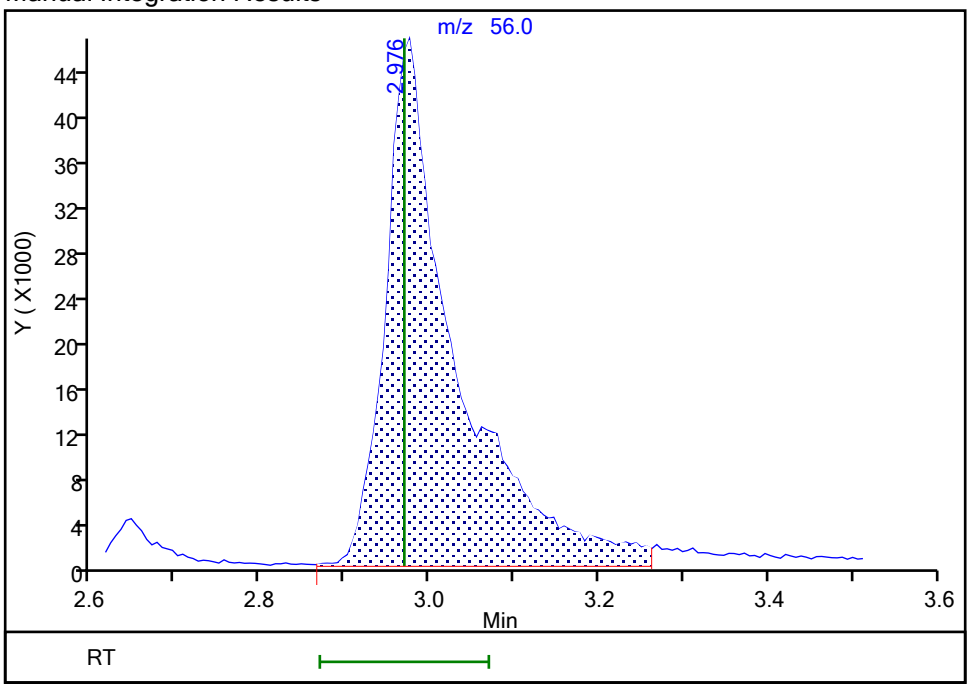
RT: 2.98
Area: 204077
Amount: 29.833838
Amount Units: ug/l

Processing Integration Results



RT: 2.98
Area: 263644
Amount: 37.620772
Amount Units: ug/l

Manual Integration Results



Reviewer: DVW2, 05-Jun-2025 10:59:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

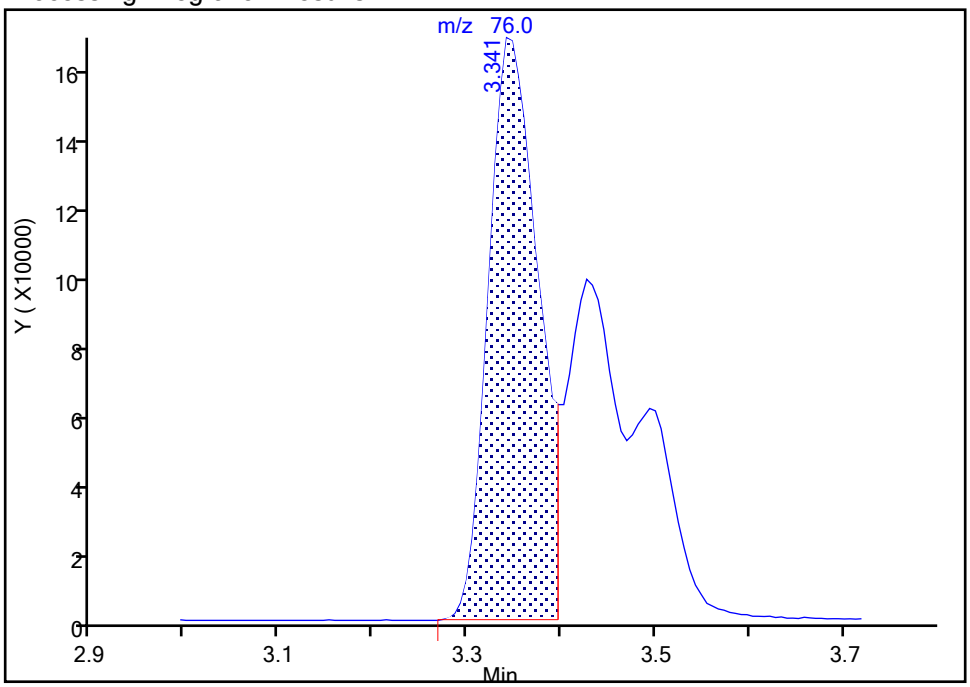
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Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

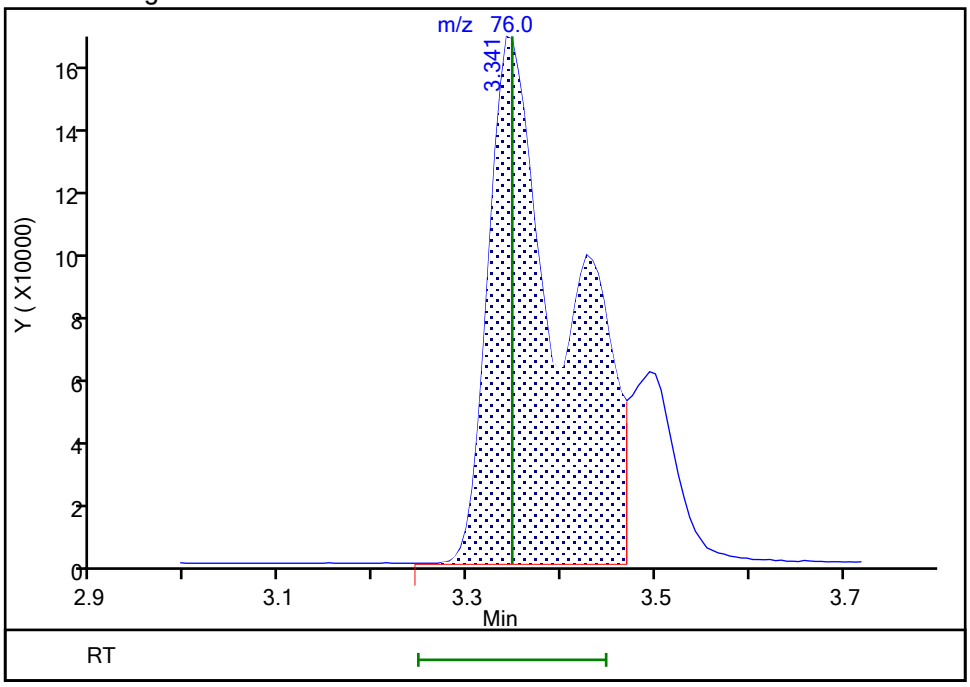
Processing Integration Results

RT: 3.34
Area: 597943
Amount: 3.241516
Amount Units: ug/l



Manual Integration Results

RT: 3.34
Area: 919398
Amount: 4.988885
Amount Units: ug/l



Reviewer: UKEK, 06-Jun-2025 08:02:43 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Other

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

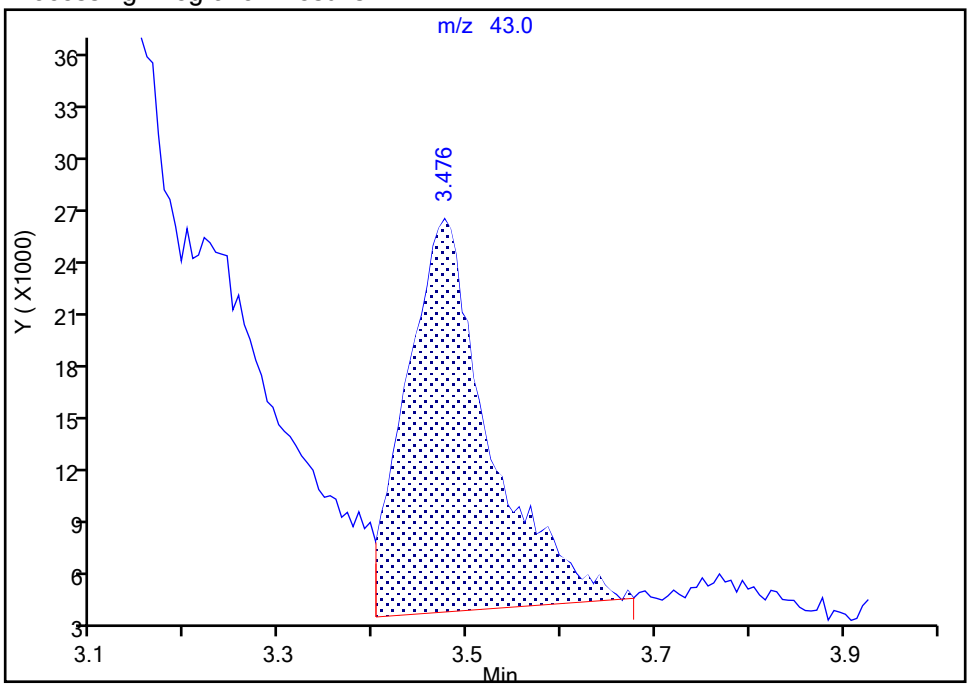
Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X20.D				
Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

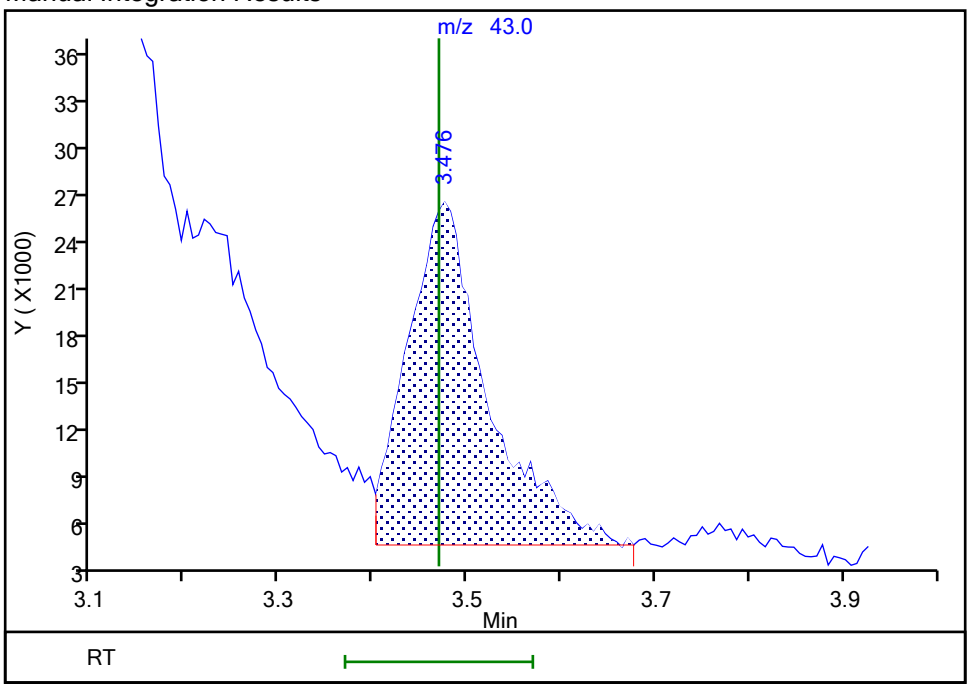
RT: 3.48
Area: 135470
Amount: 5.634102
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 3.48
Area: 127149
Amount: 5.161658
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:00:59 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

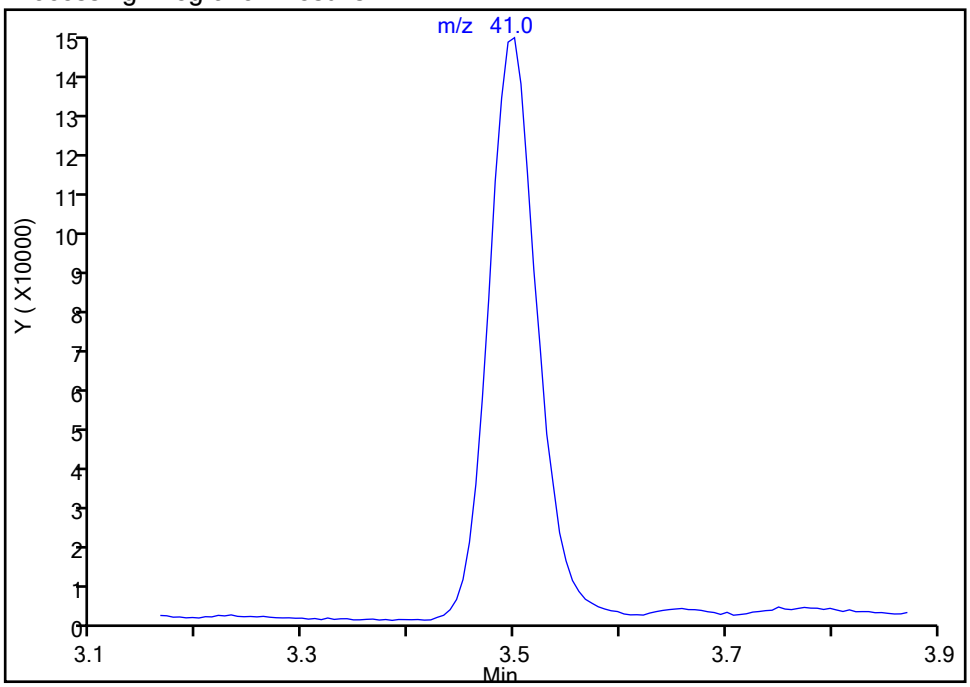
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Injection Date:	05-Jun-2025 00:04:30	Instrument ID:	10193		
Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

29 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

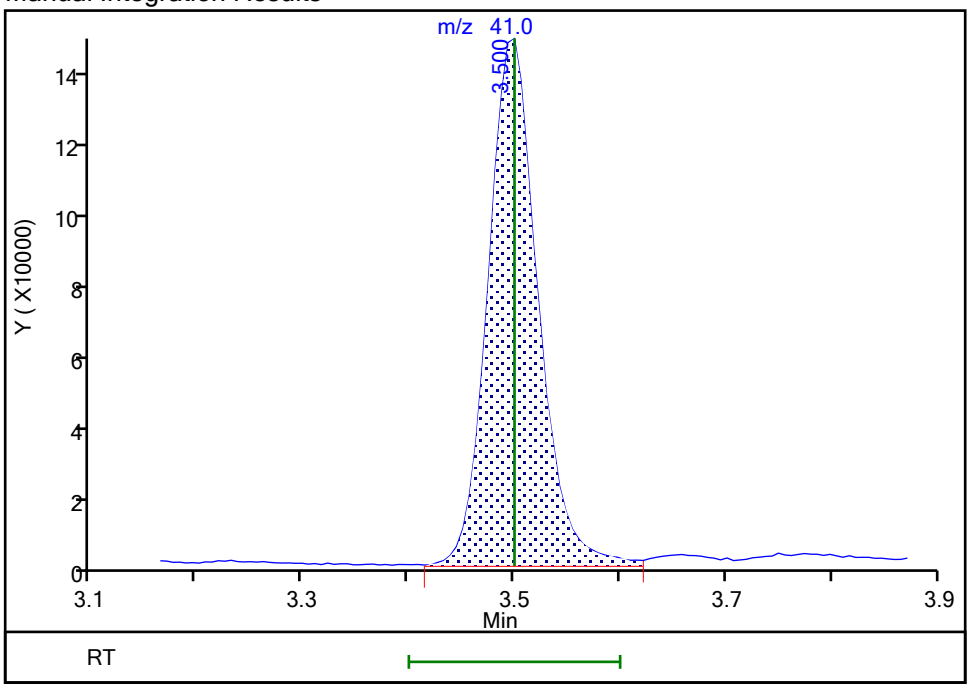
Not Detected
Expected RT: 3.50

Processing Integration Results



Manual Integration Results

RT: 3.50
Area: 466199
Amount: 4.951395
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:01:05 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

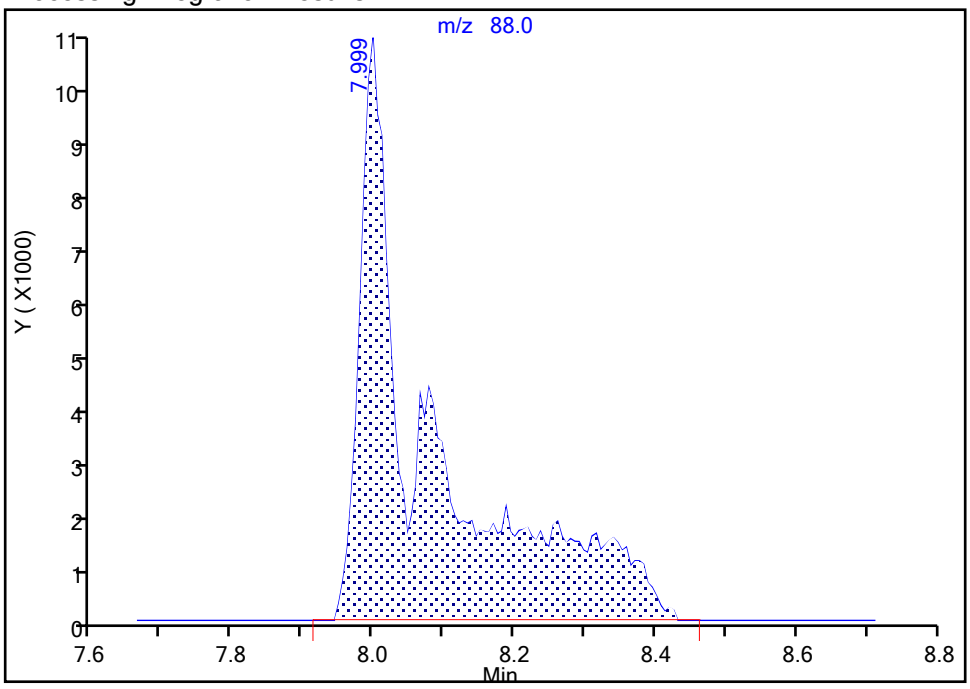
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Lims ID:	ICV				
Client ID:					
Operator ID:	knk41612	ALS Bottle#:	20	Worklist Smp#:	21
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

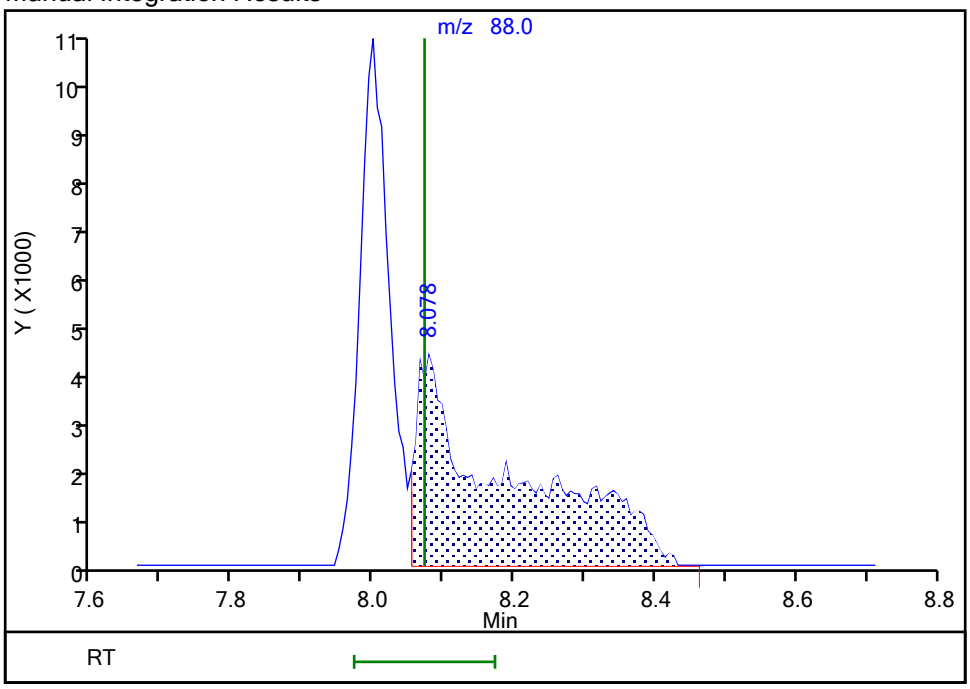
Processing Integration Results

RT: 8.00
Area: 66342
Amount: 252.0813
Amount Units: ug/l



Manual Integration Results

RT: 8.08
Area: 36688
Amount: 134.8374
Amount Units: ug/l



Reviewer: DVW2, 05-Jun-2025 11:01:30 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-681517/3 Calibration Date: 08/06/2025 10:29

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CG06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3256	0.3778	0.1000	11.6	10.0	16.0	20.0
Chloromethane	Ave	0.3862	0.4024	0.1000	10.4	10.0	4.2	20.0
1,3-Butadiene	Ave	0.4446	0.4137		9.31	10.0	-6.9	20.0
Vinyl chloride	Ave	0.3413	0.3657	0.1000	10.7	10.0	7.2	20.0
Bromomethane	Ave	0.2182	0.2603	0.1000	11.9	10.0	19.3	20.0
Chloroethane	Ave	0.1935	0.2031	0.1000	10.5	10.0	5.0	20.0
Dichlorofluoromethane	Ave	0.5586	0.5921		10.6	10.0	6.0	20.0
Trichlorofluoromethane	Ave	0.4317	0.5087	0.1000	11.8	10.0	17.8	20.0
Diethyl ether	Ave	0.2057	0.2293		11.2	10.0	11.5	20.0
Freon 123a	Ave	0.3018	0.3191		10.6	10.0	5.7	20.0
Acrolein	Ave	1.812	2.172		585	488	19.8	20.0
1,1-Dichloroethene	Ave	0.2128	0.2342	0.1000	11.0	10.0	10.0	20.0
Acetone	Ave	2.365	2.839	0.1000	120	100	20.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2211	0.2353	0.1000	10.6	10.0	6.5	20.0
Methyl iodide	Ave	0.4330	0.4274		9.87	10.0	-1.3	20.0
Ethyl bromide	Ave	0.2041	0.2069		10.1	9.99	1.4	20.0
Carbon disulfide	Ave	0.7842	0.8024	0.1000	10.2	10.0	2.3	20.0
Methyl acetate	Ave	6.370	8.210	0.1000	12.9	10.0	28.9*	20.0
Allyl chloride	Ave	0.4006	0.4425		11.0	10.0	10.4	20.0
Methylene Chloride	Ave	0.2569	0.2810	0.1000	10.9	10.0	9.4	20.0
t-Butyl alcohol	Ave	0.7429	0.7147		192	200	-3.8	20.0
Acrylonitrile	Ave	3.469	3.981		28.7	25.0	14.8	20.0
trans-1,2-Dichloroethene	Ave	0.2625	0.2868	0.1000	10.9	10.0	9.3	20.0
Methyl tertiary butyl ether	Ave	0.7278	0.7246	0.1000	9.96	10.0	-0.4	20.0
n-Hexane	Ave	0.3574	0.3404		9.53	10.0	-4.7	20.0
1,1-Dichloroethane	Ave	0.4780	0.5144	0.2000	10.8	10.0	7.6	20.0
di-Isopropyl ether	Ave	0.8840	0.9499		10.7	10.0	7.5	20.0
2-Chloro-1,3-butadiene	Ave	0.4217	0.4314		10.2	10.0	2.3	20.0
Ethyl t-butyl ether	Ave	0.8703	0.8390		9.64	10.0	-3.6	20.0
2-Butanone	Ave	4.540	5.471	0.1000	121	100	20.5*	20.0
cis-1,2-Dichloroethene	Ave	0.3024	0.3183	0.1000	10.5	10.0	5.3	20.0
2,2-Dichloropropane	Ave	0.3754	0.4223		11.2	10.0	12.5	20.0
Propionitrile	Ave	1.225	1.573		257	200	28.4*	20.0
Methacrylonitrile	Ave	4.399	5.450		124	100	23.9*	20.0
Bromochloromethane	Ave	0.1350	0.1474		10.9	10.0	9.2	20.0
Tetrahydrofuran	Ave	1.291	1.551		60.1	50.0	20.1*	20.0
Chloroform	Ave	0.4853	0.5249	0.2000	10.8	10.0	8.2	20.0
1,1,1-Trichloroethane	Ave	0.4251	0.4532	0.1000	10.7	10.0	6.6	20.0
Cyclohexane	Ave	0.4519	0.4515	0.1000	9.99	10.0	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-681517/3 Calibration Date: 08/06/2025 10:29

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CG06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3622	0.3966	0.1000	10.9	10.0	9.5	20.0
1,1-Dichloropropene	Ave	0.3815	0.3936		10.3	10.0	3.2	20.0
Isobutyl alcohol	Ave	0.3027	0.3509		580	500	15.9	20.0
Benzene	Ave	1.137	1.241	0.5000	10.9	10.0	9.2	20.0
1,2-Dichloroethane	Ave	0.3111	0.3277	0.1000	10.5	10.0	5.4	20.0
t-Amyl methyl ether	Ave	0.7782	0.7887		10.1	10.0	1.3	20.0
n-Heptane	Ave	0.3521	0.3960		11.2	10.0	12.5	20.0
n-Butanol	Ave	0.2850	0.3223		990	875	13.1	20.0
Trichloroethene	Ave	0.3010	0.3232	0.2000	10.7	10.0	7.4	20.0
Methylcyclohexane	Ave	0.4837	0.4783	0.1000	9.89	10.0	-1.1	20.0
1,2-Dichloropropane	Ave	0.2911	0.3233	0.1000	11.1	10.0	11.1	20.0
1,4-Dioxane	Ave	0.0704	0.0725	0.0050	515	500	3.0	20.0
Dibromomethane	Ave	0.1439	0.1596		11.1	10.0	10.9	20.0
Methyl methacrylate	Ave	9.058	10.59		11.7	10.0	16.9	20.0
Bromodichloromethane	Ave	0.3547	0.3948	0.2000	11.1	10.0	11.3	20.0
2-Nitropropane	Ave	2.925	3.019		51.6	50.0	3.2	20.0
1-Bromo-2-chloroethane	Ave	0.2850	0.3320		11.6	10.0	16.5	20.0
cis-1,3-Dichloropropene	Ave	0.4367	0.4769	0.2000	10.9	10.0	9.2	20.0
4-Methyl-2-pentanone	Ave	12.04	14.82	0.1000	123	100	23.1*	20.0
Toluene	Ave	0.9711	0.9933	0.4000	10.2	10.0	2.3	20.0
trans-1,3-Dichloropropene	Ave	0.4912	0.5033	0.1000	10.2	10.0	2.5	20.0
Ethyl methacrylate	Ave	0.4256	0.3990		9.38	10.0	-6.2	20.0
1,1,2-Trichloroethane	Ave	0.2786	0.2856	0.1000	10.3	10.0	2.5	20.0
Tetrachloroethene	Ave	0.4508	0.4545	0.2000	10.1	10.0	0.8	20.0
1,3-Dichloropropane	Ave	0.4721	0.4848		10.3	10.0	2.7	20.0
2-Hexanone	Ave	8.616	10.77	0.1000	125	100	25.0*	20.0
Dibromochloromethane	Ave	0.3400	0.3758		11.1	10.0	10.5	20.0
1,2-Dibromoethane	Ave	0.2699	0.2799	0.1000	10.4	10.0	3.7	20.0
1-Chlorohexane	Ave	0.5450	0.5158		9.46	10.0	-5.4	20.0
Chlorobenzene	Ave	1.111	1.144	0.5000	10.3	10.0	2.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3783	0.4100		10.8	10.0	8.4	20.0
Ethylbenzene	Ave	1.932	1.979	0.1000	10.2	10.0	2.5	20.0
m&p-Xylene	Ave	0.7503	0.7814	0.1000	20.8	20.0	4.1	20.0
o-Xylene	Ave	0.7400	0.7591	0.3000	10.3	10.0	2.6	20.0
Styrene	Ave	1.231	1.308	0.3000	10.6	10.0	6.2	20.0
Bromoform	Ave	0.1980	0.2246	0.1000	11.3	10.0	13.4	20.0
Isopropylbenzene	Ave	1.705	1.975	0.1000	11.6	10.0	15.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6317	0.6386	0.3000	10.1	10.0	1.1	20.0
Bromobenzene	Ave	0.8876	0.8866		9.99	10.0	-0.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1513	0.1494		98.7	100	-1.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-681517/3 Calibration Date: 08/06/2025 10:29

Instrument ID: 10193 Calib Start Date: 06/04/2025 21:06

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 23:20

Lab File ID: CG06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.1732	0.1757		10.1	10.0	1.4	20.0
N-Propylbenzene	Ave	4.125	4.095		9.93	10.0	-0.7	20.0
2-Chlorotoluene	Ave	0.8481	0.8354		9.85	10.0	-1.5	20.0
1,3,5-Trimethylbenzene	Ave	2.985	2.976		9.97	10.0	-0.3	20.0
4-Chlorotoluene	Ave	0.8795	0.8798		10.0	10.0	0.0	20.0
tert-Butylbenzene	Ave	0.6849	0.6538		9.55	10.0	-4.5	20.0
Pentachloroethane	Ave	0.5264	0.5074		9.64	10.0	-3.6	20.0
1,2,4-Trimethylbenzene	Ave	3.067	3.109		10.1	10.0	1.4	20.0
sec-Butylbenzene	Ave	3.811	3.748		9.83	10.0	-1.7	20.0
1,3-Dichlorobenzene	Ave	1.702	1.736	0.6000	10.2	10.0	2.0	20.0
p-Isopropyltoluene	Ave	3.330	3.352		10.1	10.0	0.7	20.0
1,4-Dichlorobenzene	Ave	1.777	1.793	0.5000	10.1	10.0	0.9	20.0
1,2,3-Trimethylbenzene	Ave	1.386	1.349		9.73	10.0	-2.7	20.0
Benzyl chloride	Ave	0.2218	0.2784		12.5	10.0	25.5*	20.0
n-Butylbenzene	Ave	1.605	1.622		10.1	10.0	1.0	20.0
1,2-Dichlorobenzene	Ave	1.553	1.607	0.4000	10.4	10.0	3.5	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0844	0.0881	0.0500	10.4	10.0	4.4	20.0
1,3,5-Trichlorobenzene	Ave	1.193	1.214		10.2	10.0	1.7	20.0
1,2,4-Trichlorobenzene	Ave	0.9016	0.9486	0.2000	10.5	10.0	5.2	20.0
Hexachlorobutadiene	Ave	0.5040	0.5145		10.2	10.0	2.1	20.0
Naphthalene	Ave	1.473	1.614		11.0	10.0	9.5	20.0
1,2,3-Trichlorobenzene	Ave	0.6984	0.7464		10.7	10.0	6.9	20.0
2-Methylnaphthalene	Qua		0.4517		7.21	10.0	-27.9*	20.0
Dibromofluoromethane (Surr)	Ave	0.2360	0.2467		10.5	10.0	4.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0487	0.0493		10.1	10.0	1.3	20.0
Toluene-d8 (Surr)	Ave	1.313	1.270		9.67	10.0	-3.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4960	0.5019		10.1	10.0	1.2	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X02.D
Lims ID: CCVIS VSTD10
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Aug-2025 10:29:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-003
Misc. Info.: CCVIS VSTD10
Operator ID: ecr105096 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub1

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:42 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:34:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.750	1.750	0.000	99	716753	10.0	11.6	
5 Chloromethane	50	1.927	1.927	0.000	99	763360	10.0	10.4	
7 Butadiene	39	2.012	2.012	0.000	94	784946	10.0	9.31	
6 Vinyl chloride	62	2.031	2.031	0.000	99	693918	10.0	10.7	
9 Bromomethane	94	2.329	2.329	0.000	91	493778	10.0	11.9	
10 Chloroethane	64	2.360	2.360	0.000	99	385412	10.0	10.5	
11 Dichlorofluoromethane	67	2.567	2.567	0.000	98	1123279	10.0	10.6	
13 Pentane	43	2.628	2.628	0.000	97	772283	10.0	10.8	
12 Trichlorofluoromethane	101	2.658	2.658	0.000	99	965149	10.0	11.8	
14 Ethyl ether	59	2.805	2.805	0.000	94	435232	10.0	11.2	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.908	2.908	0.000	95	605338	10.0	10.6	
17 Acrolein	56	2.957	2.957	0.000	99	3002990	487.9	584.7	
18 1,1-Dichloroethene	96	3.073	3.073	0.000	98	444395	10.0	11.0	
20 Acetone	43	3.097	3.097	0.000	98	804461	100.0	120.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.128	0.000	92	446470	10.0	10.6	
22 Iodomethane	142	3.238	3.238	0.000	100	810909	10.0	9.87	
24 Isopropyl alcohol	45	3.244	3.244	0.000	45	314144	200.0	246.5	
23 Ethyl bromide	108	3.262	3.262	0.000	99	392209	9.99	10.1	
25 Carbon disulfide	76	3.329	3.329	0.000	100	1522377	10.0	10.2	M
26 Methyl acetate	43	3.457	3.457	0.000	97	232669	10.0	12.9	M
29 3-Chloro-1-propene	41	3.475	3.475	0.000	92	839503	10.0	11.0	
30 Methylene Chloride	84	3.640	3.640	0.000	92	533052	10.0	10.9	
* 31 t-Butyl alcohol-d10 (IS)	65	3.640	3.640	0.000	37	141694	50.0	50.0	
32 2-Methyl-2-propanol	59	3.756	3.756	0.000	98	405090	200.0	192.4	
33 Acrylonitrile	53	3.939	3.939	0.000	98	282031	25.0	28.7	
35 trans-1,2-Dichloroethene	96	3.987	3.987	0.000	99	544185	10.0	10.9	
34 Methyl tert-butyl ether	73	3.994	3.994	0.000	96	1374783	10.0	9.96	
36 Hexane	57	4.390	4.390	0.000	95	645859	10.0	9.53	
37 1,1-Dichloroethane	63	4.634	4.634	0.000	97	975978	10.0	10.8	
39 Isopropyl ether	45	4.701	4.701	0.000	94	1802122	10.0	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Chloro-1,3-butadiene	53	4.743	4.743	0.000	93	818520	10.0	10.2	
41 Tert-butyl ethyl ether	59	5.249	5.249	0.000	97	1591779	10.0	9.64	
42 2-Butanone (MEK)	43	5.463	5.463	0.000	100	1550462	100.0	120.5	
43 cis-1,2-Dichloroethene	96	5.487	5.487	0.000	83	603934	10.0	10.5	
44 2,2-Dichloropropane	77	5.505	5.505	0.000	87	801207	10.0	11.2	
45 Propionitrile	54	5.554	5.554	0.000	99	891752	200.0	256.9	
47 Methacrylonitrile	67	5.780	5.780	0.000	94	1544425	100.0	123.9	
48 Chlorobromomethane	128	5.829	5.829	0.000	95	279729	10.0	10.9	
49 Tetrahydrofuran	71	5.835	5.835	0.000	86	219769	50.0	60.1	
50 Chloroform	83	5.993	5.993	0.000	95	995939	10.0	10.8	
53 1,1,1-Trichloroethane	97	6.213	6.213	0.000	98	859821	10.0	10.7	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	83	468018	10.0	10.5	
55 Cyclohexane	56	6.304	6.304	0.000	92	856592	10.0	10.0	
56 Carbon tetrachloride	117	6.426	6.426	0.000	96	752367	10.0	10.9	
57 1,1-Dichloropropene	75	6.432	6.432	0.000	95	746738	10.0	10.3	
58 Isobutyl alcohol	41	6.639	6.639	0.000	91	497224	500.0	579.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.676	6.676	0.000	99	93615	10.0	10.1	
60 Benzene	78	6.700	6.700	0.000	97	2355167	10.0	10.9	
61 1,2-Dichloroethane	62	6.780	6.780	0.000	98	621792	10.0	10.5	
64 Tert-amyl methyl ether	73	6.914	6.914	0.000	98	1496290	10.0	10.1	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1897252	10.0	10.0	
66 n-Heptane	43	7.145	7.145	0.000	93	751319	10.0	11.2	
67 n-Butanol	56	7.554	7.554	0.000	91	799267	875.0	989.6	
68 Trichloroethene	95	7.615	7.615	0.000	99	613250	10.0	10.7	
69 Methylcyclohexane	83	7.926	7.926	0.000	93	907516	10.0	9.89	
70 1,2-Dichloropropane	63	7.956	7.956	0.000	97	613353	10.0	11.1	
71 2-ethoxy-2-methyl butane	87	7.987	7.987	0.000	93	914892	10.0	10.6	
74 1,4-Dioxane	88	8.066	8.066	0.000	29	102688	500.0	515.0	M
72 Dibromomethane	93	8.072	8.072	0.000	84	302763	10.0	11.1	
73 Methyl methacrylate	69	8.072	8.072	0.000	92	299969	10.0	11.7	
76 Dichlorobromomethane	83	8.316	8.316	0.000	100	749112	10.0	11.1	
77 2-Nitropropane	41	8.609	8.609	0.000	99	427728	50.0	51.6	
78 1-Bromo-2-chloroethane	63	8.712	8.712	0.000	99	629870	10.0	11.6	
80 cis-1,3-Dichloropropene	75	8.895	8.895	0.000	96	904804	10.0	10.9	
82 4-Methyl-2-pentanone (MIBK)	43	9.102	9.102	0.000	97	4201133	100.0	123.1	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	93	1971327	10.0	9.67	
84 Toluene	92	9.316	9.316	0.000	98	1541822	10.0	10.2	
85 trans-1,3-Dichloropropene	75	9.614	9.614	0.000	93	781298	10.0	10.2	
86 Ethyl methacrylate	69	9.700	9.700	0.000	90	619395	10.0	9.38	
87 1,1,2-Trichloroethane	97	9.834	9.834	0.000	91	443310	10.0	10.3	
88 Tetrachloroethene	166	9.913	9.913	0.000	98	705533	10.0	10.1	
89 1,3-Dichloropropane	76	10.005	10.005	0.000	92	752474	10.0	10.3	
106 2-Hexanone	43	10.078	10.078	0.000	97	3051531	100.0	125.0	
108 Chlorodibromomethane	129	10.230	10.230	0.000	90	583272	10.0	11.1	
110 Ethylene Dibromide	107	10.340	10.340	0.000	99	434436	10.0	10.4	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	86	1552204	10.0	10.0	
112 1-Chlorohexane	91	10.828	10.828	0.000	96	800605	10.0	9.46	
113 Chlorobenzene	112	10.834	10.834	0.000	95	1775393	10.0	10.3	
114 1,1,1,2-Tetrachloroethane	131	10.925	10.925	0.000	96	636378	10.0	10.8	
115 Ethylbenzene	91	10.925	10.925	0.000	98	3072107	10.0	10.2	
116 m-Xylene & p-Xylene	106	11.053	11.053	0.000	96	2425917	20.0	20.8	
118 o-Xylene	106	11.395	11.395	0.000	97	1178315	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
119 Styrene	104	11.413	11.413	0.000	95	2030008	10.0	10.6	
120 Bromoform	173	11.565	11.565	0.000	97	348620	10.0	11.3	
121 Isopropylbenzene	105	11.712	11.712	0.000	96	3065494	10.0	11.6	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	94	779020	10.0	10.1	
125 Bromobenzene	156	11.968	11.968	0.000	91	813686	10.0	9.99	
126 1,1,2,2-Tetrachloroethane	83	11.968	11.968	0.000	93	586096	10.0	10.1	
127 trans-1,4-Dichloro-2-butene	53	11.998	11.998	0.000	93	1370789	100.0	98.7	
128 1,2,3-Trichloropropane	110	12.010	12.010	0.000	82	161213	10.0	10.1	
129 N-Propylbenzene	91	12.053	12.053	0.000	99	3758114	10.0	9.93	
130 2-Chlorotoluene	126	12.126	12.126	0.000	97	766690	10.0	9.85	
131 1,3,5-Trimethylbenzene	105	12.193	12.193	0.000	93	2731078	10.0	9.97	
132 4-Chlorotoluene	126	12.224	12.224	0.000	97	807467	10.0	10.0	
133 tert-Butylbenzene	134	12.443	12.443	0.000	93	600068	10.0	9.55	
134 Pentachloroethane	167	12.468	12.468	0.000	94	465692	10.0	9.64	
135 1,2,4-Trimethylbenzene	105	12.486	12.486	0.000	97	2853013	10.0	10.1	
136 sec-Butylbenzene	105	12.608	12.608	0.000	94	3439414	10.0	9.83	
137 1,3-Dichlorobenzene	146	12.705	12.705	0.000	98	1593386	10.0	10.2	
138 4-Isopropyltoluene	119	12.724	12.724	0.000	97	3076457	10.0	10.1	
* 139 1,4-Dichlorobenzene-d4	152	12.760	12.760	0.000	95	917750	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.778	12.778	0.000	95	1645888	10.0	10.1	
141 1,2,3-Trimethylbenzene	120	12.797	12.797	0.000	98	1238112	10.0	9.73	
142 Benzyl chloride	126	12.864	12.864	0.000	98	255495	10.0	12.5	
145 p-Diethylbenzene	119	12.998	12.998	0.000	94	1860575	10.0	10.1	
143 n-Butylbenzene	92	13.022	13.022	0.000	97	1488301	10.0	10.1	
144 1,2-Dichlorobenzene	146	13.047	13.047	0.000	99	1475279	10.0	10.4	
148 1,2-Dibromo-3-Chloropropane	155	13.601	13.601	0.000	88	80857	10.0	10.4	
149 1,3,5-Trichlorobenzene	180	13.729	13.729	0.000	98	1114139	10.0	10.2	
150 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	94	870584	10.0	10.5	
151 Hexachlorobutadiene	225	14.248	14.248	0.000	97	472205	10.0	10.2	
152 Naphthalene	128	14.345	14.345	0.000	97	1480826	10.0	11.0	
153 1,2,3-Trichlorobenzene	180	14.485	14.485	0.000	96	685013	10.0	10.7	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	414553	10.0	7.21	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LL_#1_826_00173	Amount Added: 20.00	Units: uL	
MSV_LL_GAS826_00283	Amount Added: 20.00	Units: uL	
MSV_LL_#2_826_00188	Amount Added: 20.00	Units: uL	
MSV_HP25_ISSS_00117	Amount Added: 1.00	Units: uL	Run Reagent

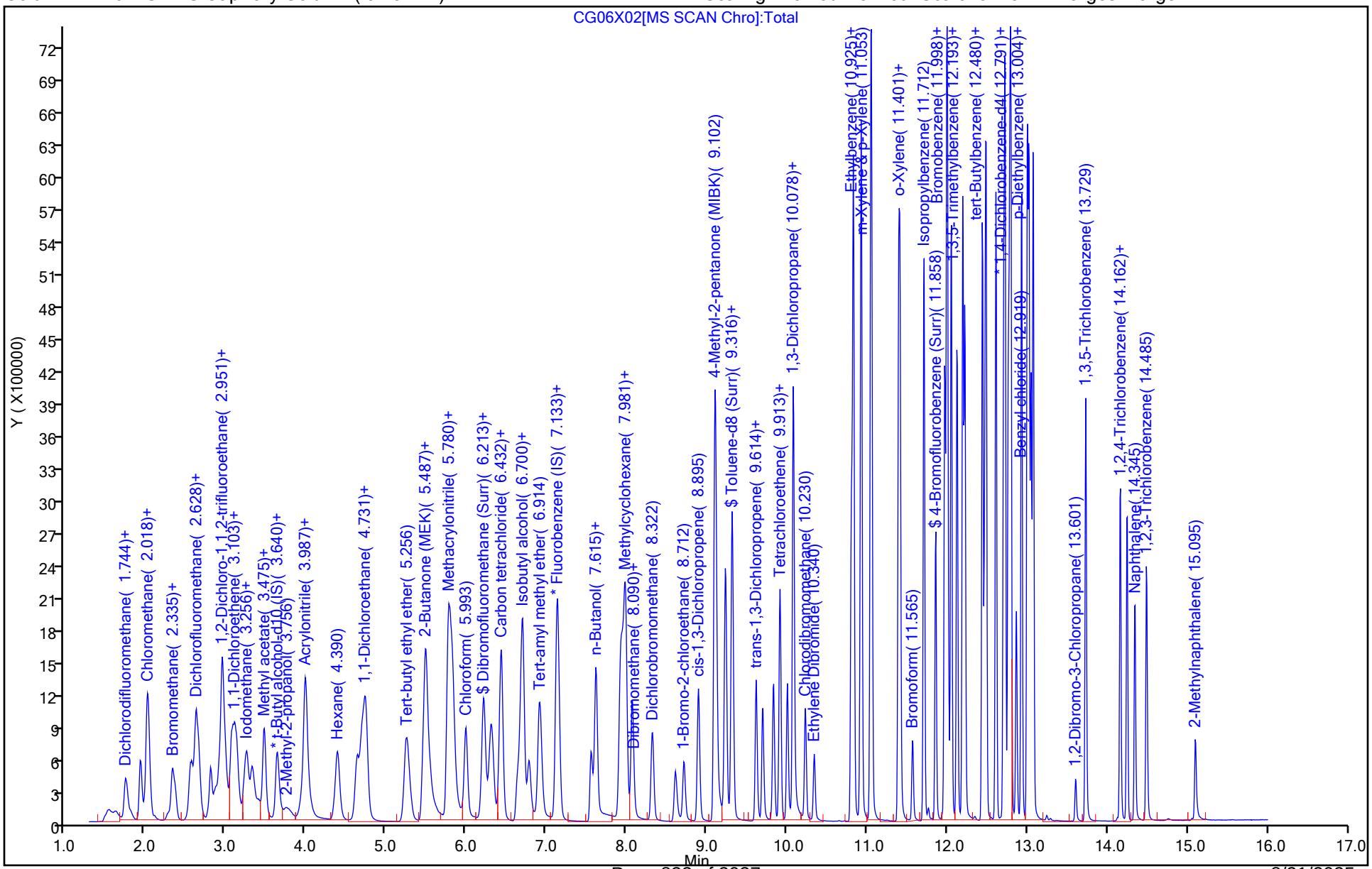
Report Date: 06-Aug-2025 17:01:43 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X02.D

Injection Date:	06-Aug-2025 10:29:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	CCVIS VSTD10			Worklist Smp#:	3
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

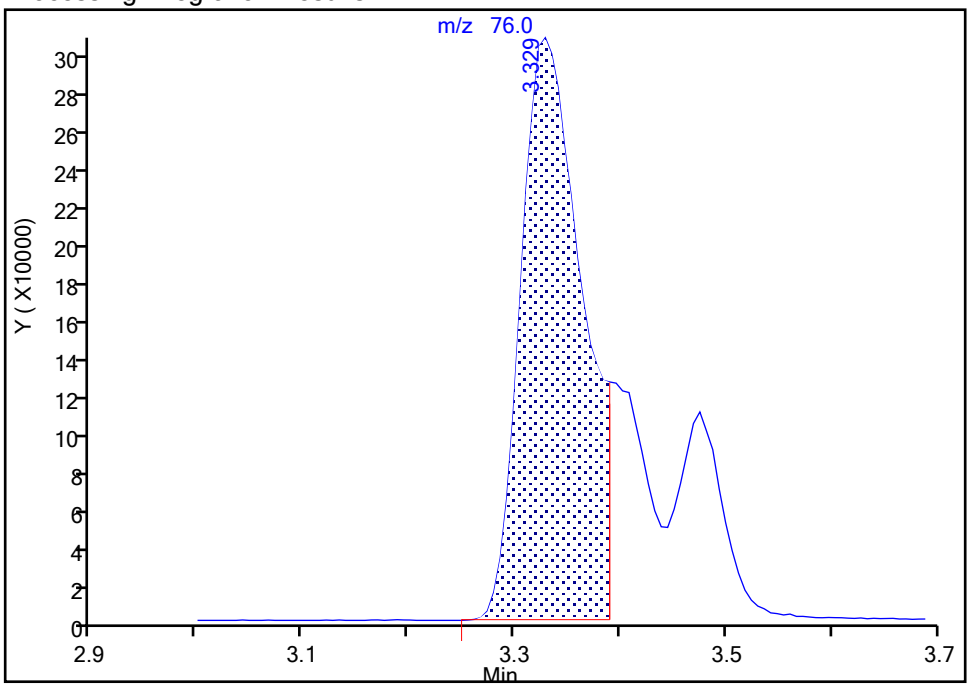
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Injection Date:	06-Aug-2025 10:29:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

25 Carbon disulfide, CAS: 75-15-0

Signal: 1

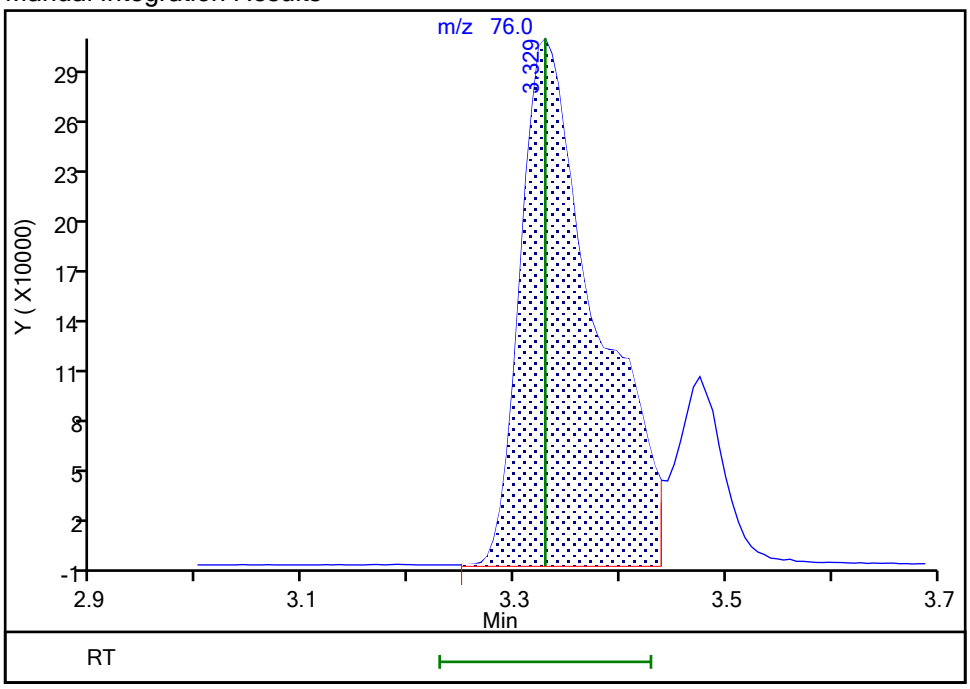
Processing Integration Results

RT: 3.33
Area: 1251496
Amount: 8.411792
Amount Units: ug/l



Manual Integration Results

RT: 3.33
Area: 1522377
Amount: 10.232488
Amount Units: ug/l



Reviewer: N7YK, 06-Aug-2025 12:32:17 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

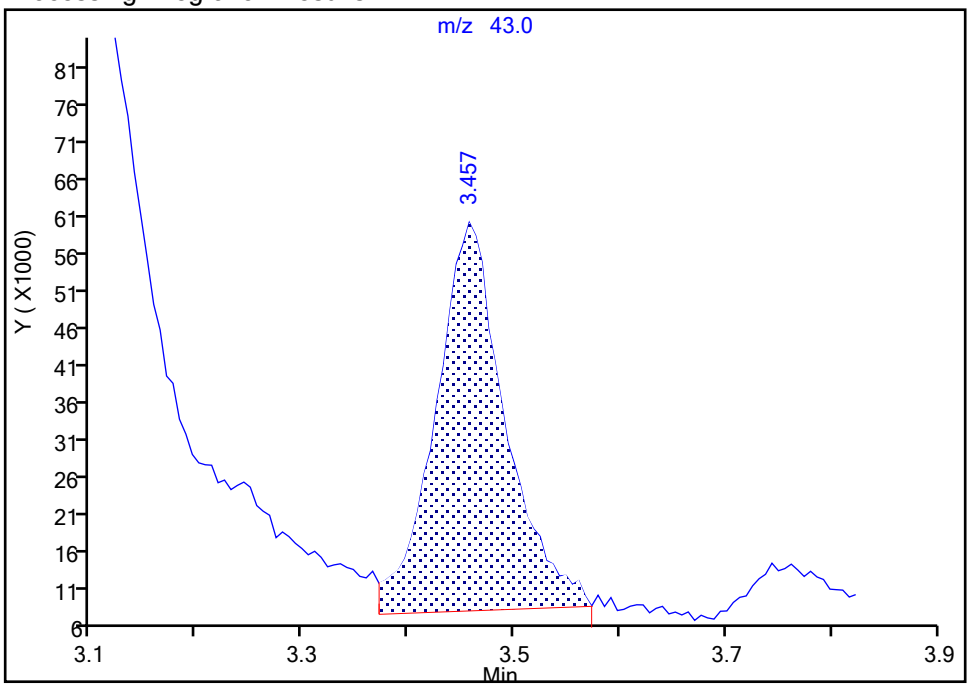
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Injection Date:	06-Aug-2025 10:29:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

26 Methyl acetate, CAS: 79-20-9

Signal: 1

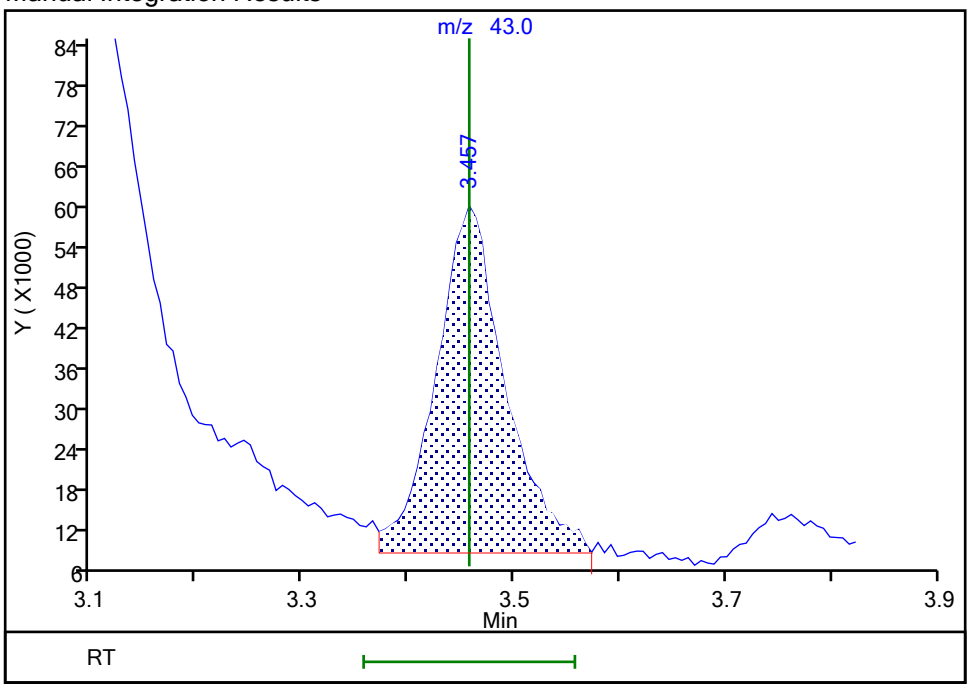
Processing Integration Results

RT: 3.46
Area: 240511
Amount: 13.323404
Amount Units: ug/l



Manual Integration Results

RT: 3.46
Area: 232669
Amount: 12.888987
Amount Units: ug/l



Reviewer: N7YK, 06-Aug-2025 12:32:30 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

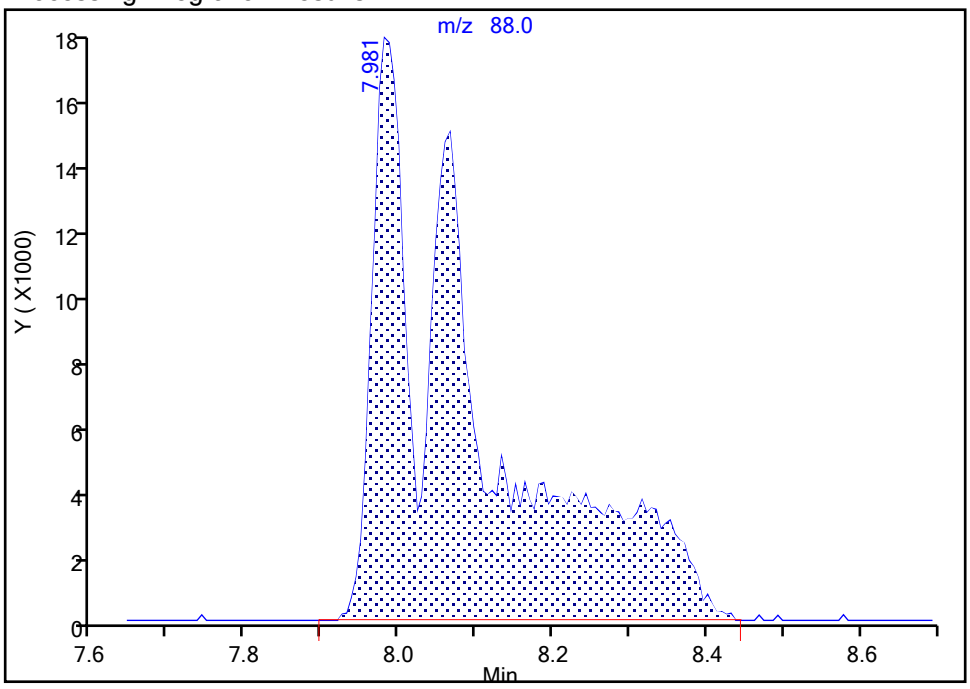
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Injection Date:	06-Aug-2025 10:29:30	Instrument ID:	10193		
Lims ID:	CCVIS VSTD10				
Client ID:					
Operator ID:	ecr105096	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		
Column:	Rxi-624Sil MS Capillary Column (0.25 mm)	Detector	MS Quad		

74 1,4-Dioxane, CAS: 123-91-1

Signal: 1

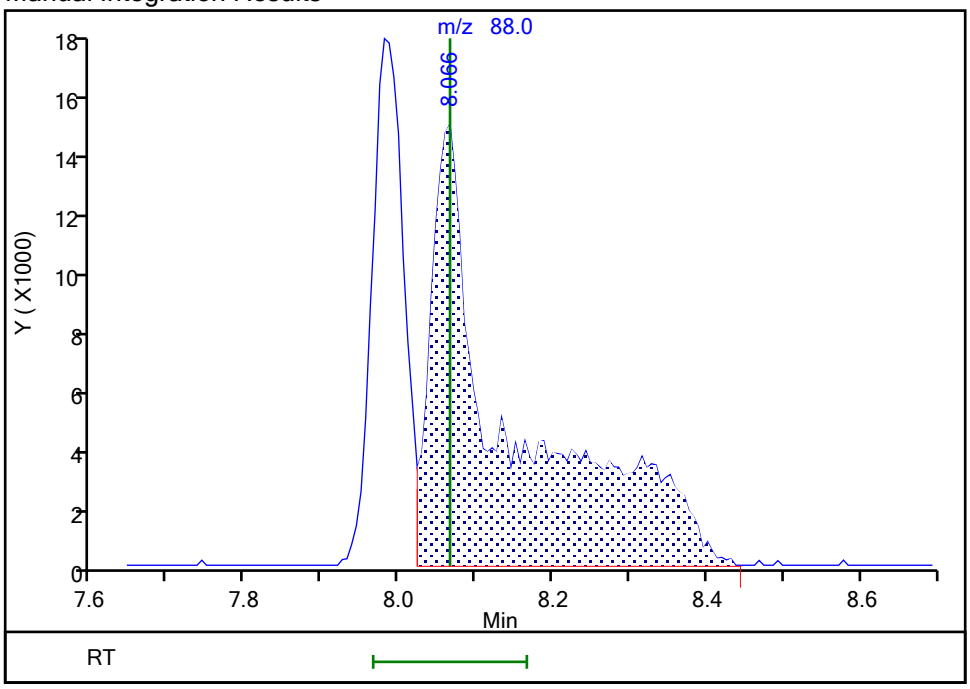
Processing Integration Results

RT: 7.98
Area: 151244
Amount: 758.5223
Amount Units: ug/l



Manual Integration Results

RT: 8.07
Area: 102688
Amount: 515.0032
Amount Units: ug/l



Reviewer: N7YK, 06-Aug-2025 12:32:56 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCV 410-681517/4 Calibration Date: 08/06/2025 10:52

Instrument ID: 10193 Calib Start Date: 06/04/2025 17:23

GC Column: R-624SilMS 30m ID: 0.25(mm) Calib End Date: 06/04/2025 19:37

Lab File ID: CG06X03.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dimethyl ether	Ave	0.4500	0.3950		8.78	10.0	-12.2	20.0
Acetonitrile	Ave	0.0181	0.0187		51.8	50.0	3.5	20.0
Vinyl acetate	Ave	0.3609	0.3837		10.6	10.0	6.3	20.0
Ethyl acetate	Ave	0.1745	0.1697		9.72	10.0	-2.8	20.0
n-Propyl acetate	Ave	0.0793	0.0730		9.22	10.0	-7.8	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X03.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 06-Aug-2025 10:52:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-004
Operator ID: ecr105096 Instrument ID: 10193
Sublist: chrom-MSV_10193_25mL*sub45

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:42:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dimethyl ether	45	1.799	1.805	-0.006	98	705294	10.0	8.78	
27 Acetonitrile	41	3.439	3.451	-0.012	100	166863	50.0	51.8	
* 31 t-Butyl alcohol-d10 (IS)	65	3.646	3.640	0.006	97	140839	50.0	50.0	
38 Vinyl acetate	43	4.640	4.640	0.000	97	685234	10.0	10.6	
46 Ethyl acetate	43	5.548	5.554	-0.006	99	302947	10.0	9.72	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	94	448894	10.0	10.7	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.670	6.676	-0.006	99	91200	10.0	10.5	
63 Isopropyl acetate	43	6.822	6.828	-0.006	99	641820	10.0	9.17	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1785683	10.0	10.0	
75 n-Propyl acetate	61	8.164	8.170	-0.006	99	130421	10.0	9.22	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1805912	10.0	9.35	
109 n-Butyl acetate	43	10.218	10.224	-0.006	97	550370	10.0	8.30	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1470307	10.0	10.0	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	674763	10.0	9.25	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	774729	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_CCV_V5ACE_00051	Amount Added:	1.00	Units: uL	
MSV_DME_00072	Amount Added:	1.00	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

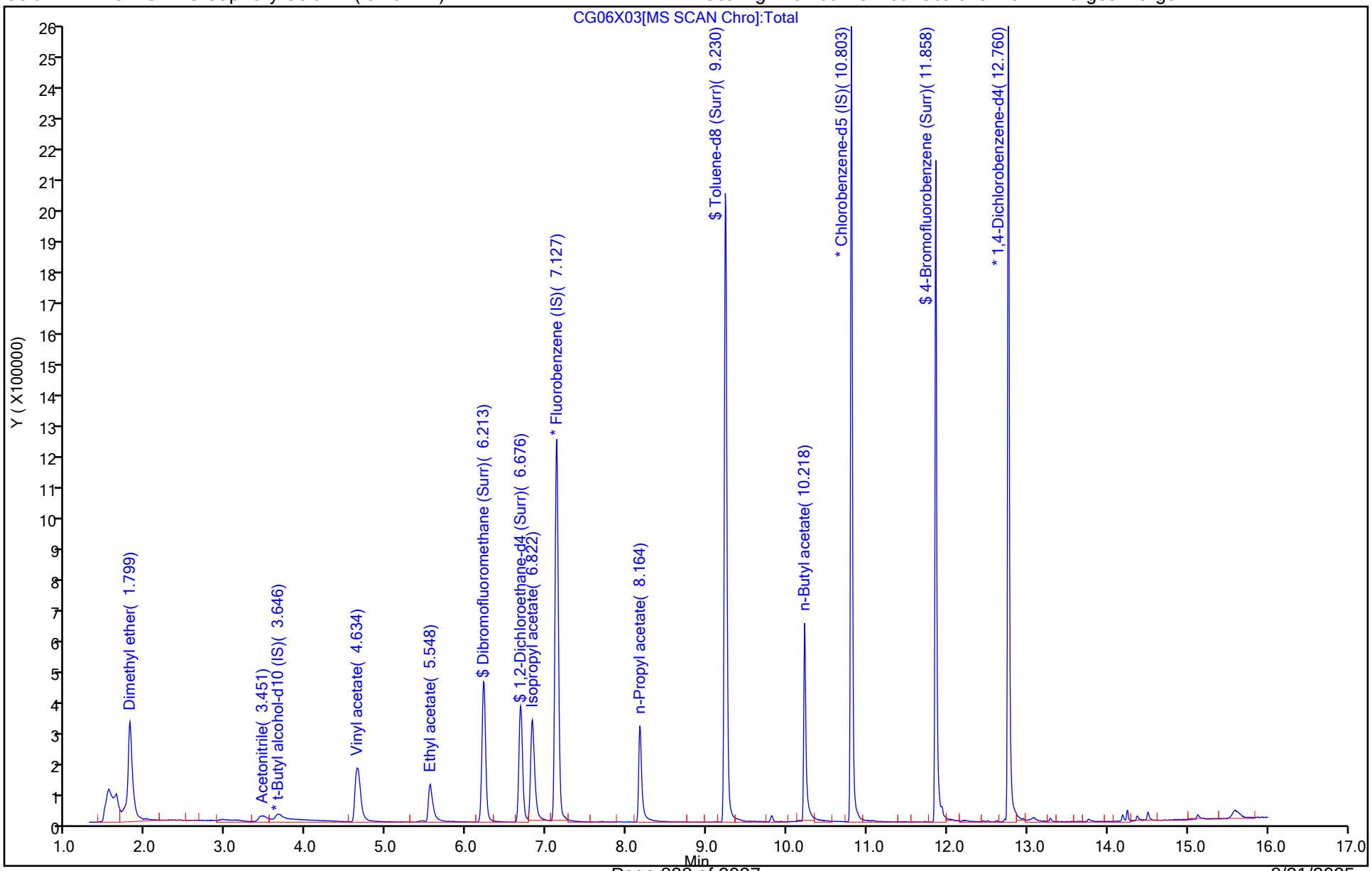
Report Date: 06-Aug-2025 17:01:48 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X03.D

Injection Date:	06-Aug-2025 10:52:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	04-Jun-2025 16:26:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0149247-001				
Misc. Info.:	BFB				
Operator ID:	knk41612	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	05-Jun-2025 11:38:29	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1656				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	4.947	4.947	0.000	89	943269	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

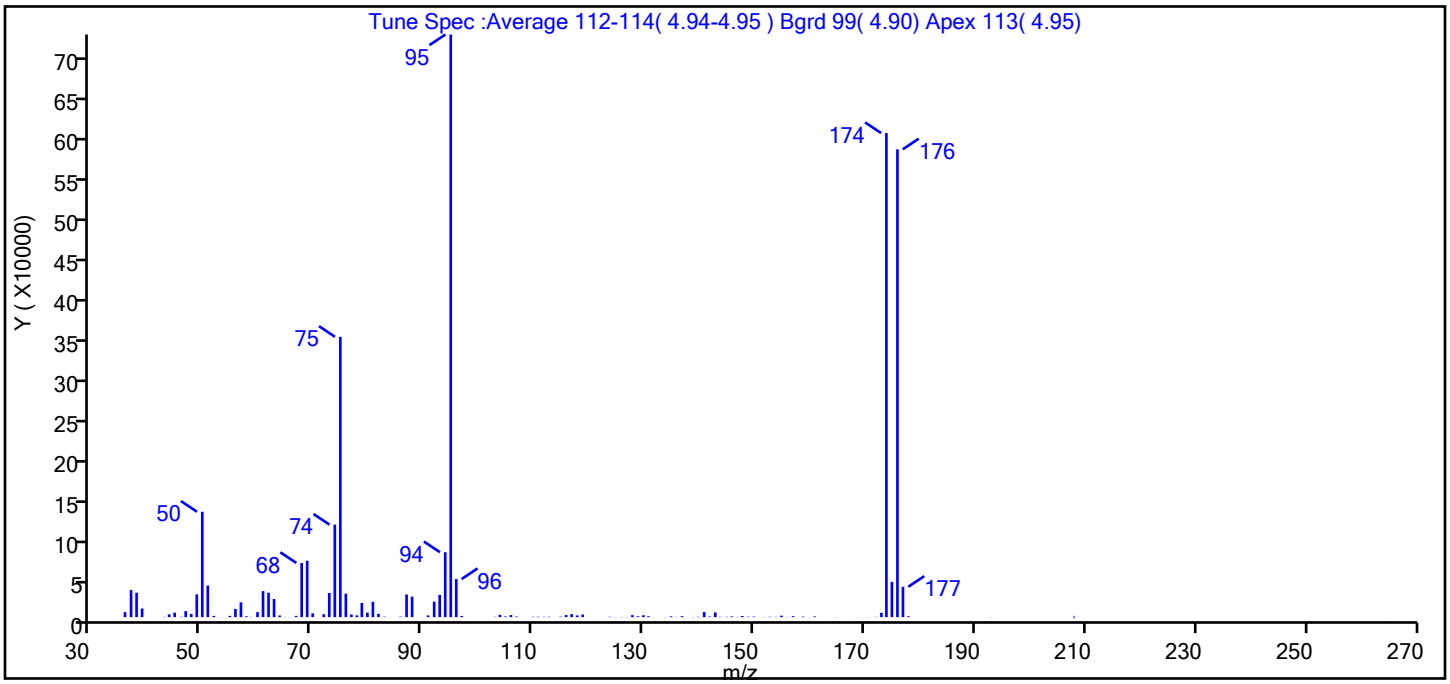
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04T01.D
Injection Date: 04-Jun-2025 16:26:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: knk41612 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.1
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.7 (0.9)
174	50 to 120% of m/z 95	83.1
175	5 to 9% of m/z 174	6.1 (7.3)
176	Greater than 95% but less than 101% of m/z 174	80.3 (96.6)
177	5 to 9% of m/z 176	5.2 (6.5)

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 04-Jun-2025 16:26:30
Spectrum: Tune Spec :Average 112-114(4.94-4.95) Bgrd 99(4.90) Apex 113(4.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 125

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6200	70.00	4640	111.00	553	147.00	299
37.00	33552	71.00	13	112.00	420	148.00	1457
38.00	30240	72.00	3599	113.00	521	149.00	578
39.00	10674	73.00	29928	115.00	641	150.00	677
40.00	33	74.00	114552	116.00	2552	152.00	246
43.00	340	75.00	347136	117.00	3717	153.00	461
44.00	3512	76.00	29064	118.00	2131	154.00	351
45.00	5565	77.00	3332	119.00	3269	155.00	1829
46.00	458	78.00	2218	120.00	56	156.00	231
47.00	7407	79.00	17592	122.00	58	157.00	1201
48.00	3974	80.00	5565	123.00	53	158.00	63
49.00	28248	81.00	19008	124.00	440	159.00	677
50.00	130512	82.00	4028	125.00	179	160.00	52
51.00	39128	83.00	568	126.00	284	161.00	851
52.00	1578	84.00	62	127.00	206	165.00	195
53.00	159	86.00	647	128.00	2499	168.00	70
54.00	65	87.00	28088	129.00	1064	169.00	64
55.00	1562	88.00	25416	130.00	2336	170.00	51
56.00	10153	91.00	2191	131.00	1062	171.00	145
57.00	18296	92.00	19184	132.00	76	172.00	337
58.00	1061	93.00	27552	134.00	203	173.00	5327
59.00	303	94.00	80408	135.00	1026	174.00	599488
60.00	6175	95.00	721536	136.00	289	175.00	43680
61.00	32216	96.00	47152	137.00	1201	176.00	579328
62.00	30232	97.00	1526	139.00	221	177.00	37584
63.00	22432	98.00	50	140.00	436	178.00	1104
64.00	2039	103.00	398	141.00	6286	193.00	168
65.00	190	104.00	2921	142.00	777	208.00	2
66.00	151	105.00	851	143.00	5822	265.00	66
67.00	1591	106.00	2589	144.00	404		
68.00	67088	107.00	759	145.00	433		
69.00	69872	110.00	451	146.00	935		

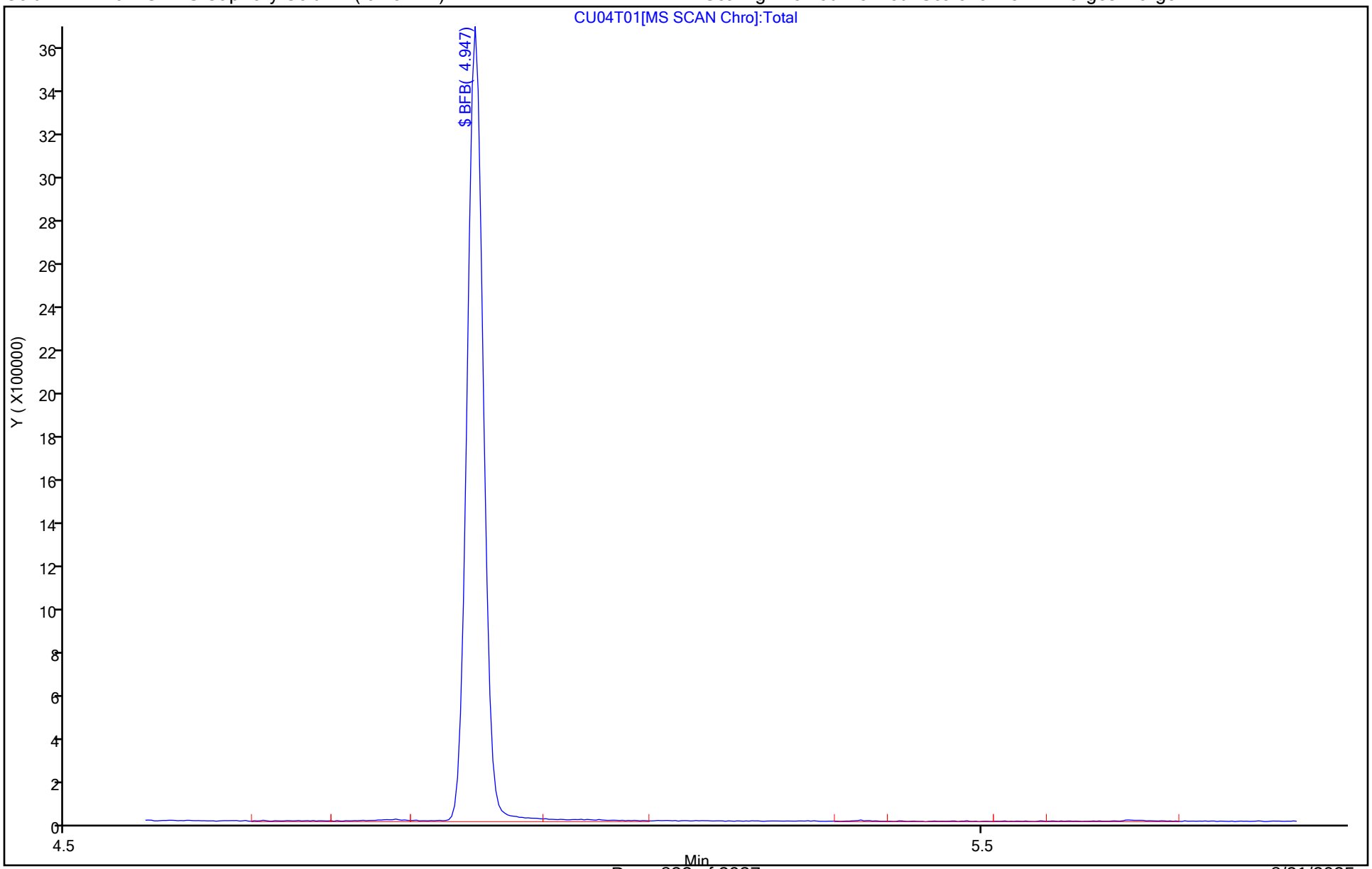
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Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04T01.D

Injection Date:	04-Jun-2025 16:26:30	Instrument ID:	10193	Operator ID:	knk41612
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06T01.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	06-Aug-2025 09:52:30	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-001				
Misc. Info.:	BFB				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 17:01:28	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1668				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 168 BFB	95	4.944	4.944	0.000	90	271292	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

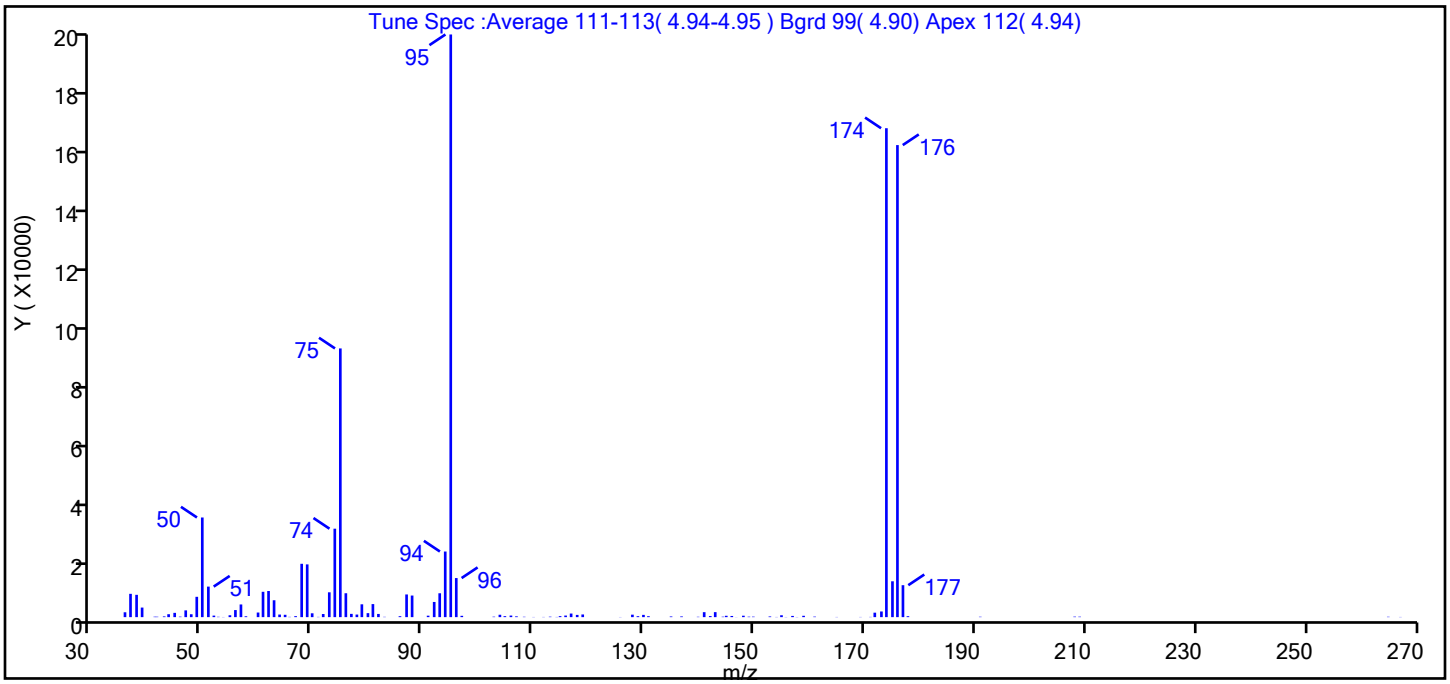
MSV_V_BFB_00019 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06T01.D
Injection Date: 06-Aug-2025 09:52:30 Instrument ID: 10193
Lims ID: BFB
Client ID:
Operator ID: ecr105096 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Method: MSV_10193_25mL Limit Group: MSV - 8260C_D
Tune Method: BFB Method 8260

$ 168 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.1
75	30 to 60% of m/z 95	46.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	1.0 (1.2)
174	50 to 120% of m/z 95	83.9
175	5 to 9% of m/z 174	6.2 (7.3)
176	Greater than 95% but less than 101% of m/z 174	81.0 (96.6)
177	5 to 9% of m/z 176	5.5 (6.8)

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06T01.D\MSV_10193_25mL.rslt\spectra.d
Injection Date: 06-Aug-2025 09:52:30
Spectrum: Tune Spec :Average 111-113(4.94-4.95) Bgrd 99(4.90) Apex 112(4.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1588	66.00	88	103.00	151	146.00	385
37.00	7607	67.00	324	104.00	781	147.00	28
38.00	7280	68.00	17408	105.00	321	148.00	464
39.00	3127	69.00	17216	106.00	516	149.00	149
41.00	142	70.00	1257	107.00	255	150.00	159
42.00	134	71.00	81	108.00	120	153.00	226
43.00	236	72.00	1022	110.00	57	154.00	61
44.00	955	73.00	8105	112.00	65	155.00	615
45.00	1400	74.00	28864	113.00	155	156.00	50
46.00	163	75.00	87688	114.00	62	157.00	400
47.00	2210	76.00	7801	115.00	327	158.00	50
48.00	946	77.00	1068	116.00	517	159.00	439
49.00	6635	78.00	846	117.00	1176	161.00	169
50.00	32520	79.00	4190	118.00	730	165.00	61
51.00	9965	80.00	1306	119.00	876	169.00	62
52.00	501	81.00	4260	126.00	50	171.00	76
53.00	114	82.00	1045	128.00	808	172.00	1459
54.00	50	83.00	98	129.00	304	173.00	1853
55.00	611	86.00	305	130.00	740	174.00	159552
56.00	2309	87.00	7403	131.00	299	175.00	11702
57.00	4140	88.00	7049	135.00	221	176.00	154048
58.00	281	91.00	477	137.00	229	177.00	10427
60.00	1505	92.00	4953	140.00	118	178.00	303
61.00	8271	93.00	7792	141.00	1624	191.00	129
62.00	8529	94.00	21416	142.00	346	208.00	166
63.00	5510	95.00	190144	143.00	1635	209.00	154
64.00	846	96.00	12752	144.00	147	265.00	121
65.00	769	97.00	434	145.00	444	267.00	61

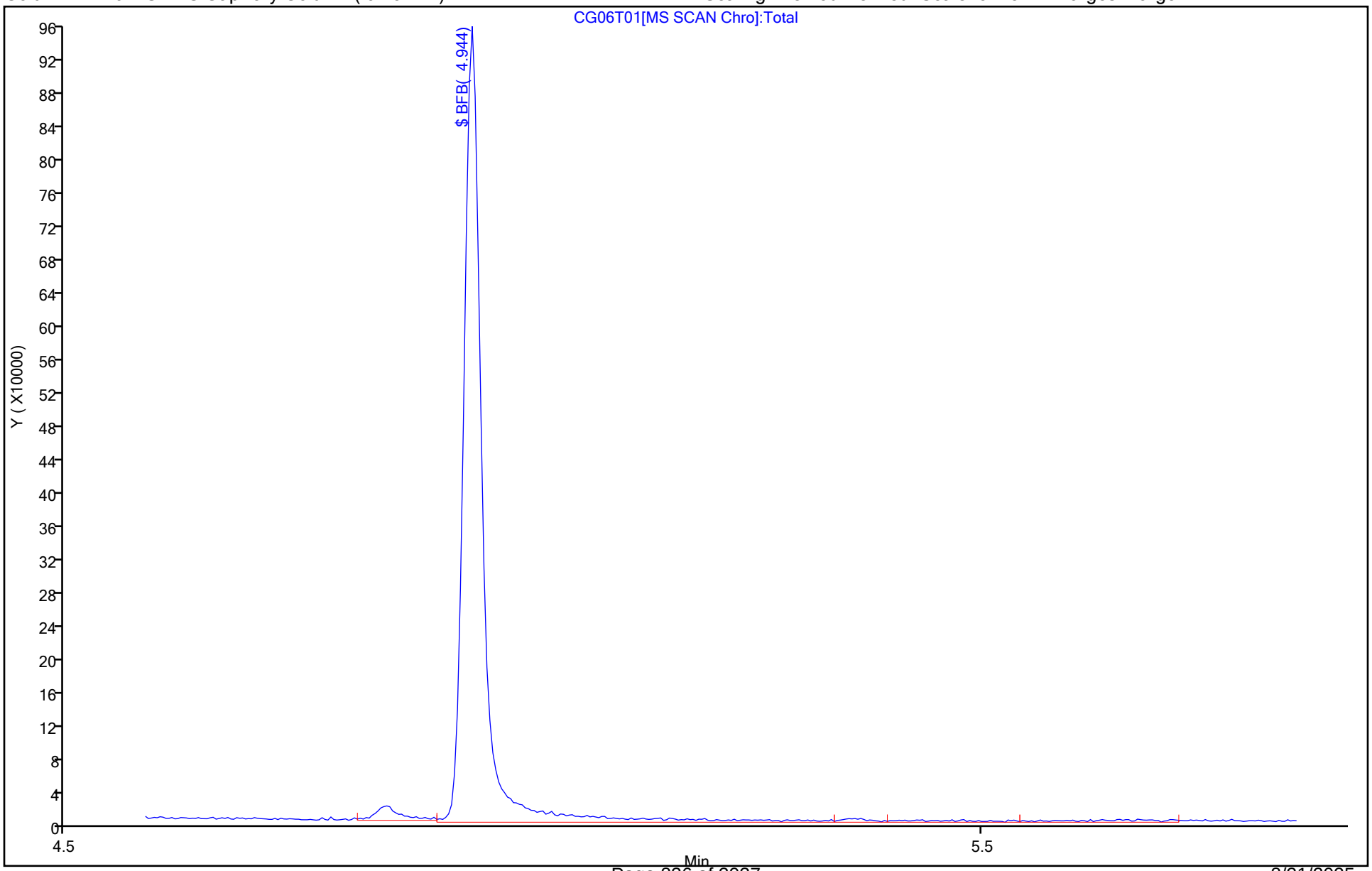
Report Date: 06-Aug-2025 17:01:28 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06T01.D

Injection Date:	06-Aug-2025 09:52:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



8/21/2025
7:28:43 PM

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681517/8

Matrix: Water
Lab File ID: CG06X07.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 12:21

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	
75-34-3	1,1-Dichloroethane	ND		1.0	
75-35-4	1,1-Dichloroethene	ND		1.0	
78-93-3	2-Butanone	ND		10	
71-43-2	Benzene	ND		1.0	
56-23-5	Carbon tetrachloride	ND		1.0	
75-00-3	Chloroethane	ND		1.0	
74-87-3	Chloromethane	ND		1.0	
75-71-8	Dichlorodifluoromethane	ND		1.0	
60-29-7	Diethyl ether	ND		10	
100-41-4	Ethylbenzene	ND		1.0	
75-09-2	Methylene Chloride	ND		1.0	
127-18-4	Tetrachloroethene	ND		1.0	
109-99-9	Tetrahydrofuran	ND		25	
108-88-3	Toluene	ND		1.0	
79-01-6	Trichloroethene	ND		1.0	
75-69-4	Trichlorofluoromethane	ND		1.0	
75-01-4	Vinyl chloride	ND		1.0	
1330-20-7	Xylenes, Total	ND		3.0	
115-10-6	Dimethyl ether	ND		10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		80-120
1868-53-7	Dibromofluoromethane (Surr)	109		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	92		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X07.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2025 12:21:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-008
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:46:29

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1	Chlorotrifluoroethene	116		1.720					ND	
2	Dichlorodifluoromethane	85		1.750					ND	
3	Chlorodifluoromethane	51		1.768					ND	U
4	Dimethyl ether	45		1.805					ND	7
5	Chloromethane	50		1.927					ND	
7	Butadiene	39		2.012					ND	7
6	Vinyl chloride	62		2.031					ND	
8	2-Chloro-1,1,1-Trifluoroethane	118		2.079					ND	
9	Bromomethane	94		2.329					ND	7
10	Chloroethane	64		2.360					ND	
11	Dichlorofluoromethane	67		2.567					ND	
13	Pentane	43		2.628					ND	U
12	Trichlorofluoromethane	101		2.658					ND	
14	Ethyl ether	59		2.805					ND	
16	1,2-Dichloro-1,1,2-trifluoroetha	67		2.908					ND	
17	Acrolein	56		2.957					ND	7
18	1,1-Dichloroethene	96		3.073					ND	
20	Acetone	43		3.097					ND	7
21	1,1,2-Trichloro-1,2,2-trifluoroe	101		3.128					ND	
22	Iodomethane	142		3.238					ND	
24	Isopropyl alcohol	45		3.244					ND	U
23	Ethyl bromide	108		3.262					ND	
25	Carbon disulfide	76		3.329					ND	7
27	Acetonitrile	41		3.451					ND	
26	Methyl acetate	43		3.457					ND	7
29	3-Chloro-1-propene	41		3.475					ND	
30	Methylene Chloride	84		3.640					ND	
* 31	t-Butyl alcohol-d10 (IS)	65	3.664	3.640	0.024	95	124331	50.0	50.0	
32	2-Methyl-2-propanol	59		3.756					ND	
33	Acrylonitrile	53		3.939					ND	
35	trans-1,2-Dichloroethene	96		3.987					ND	
34	Methyl tert-butyl ether	73		3.994					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Hexane	57		4.390					ND	
37 1,1-Dichloroethane	63		4.634					ND	
38 Vinyl acetate	43		4.640					ND	
39 Isopropyl ether	45		4.701					ND	
40 2-Chloro-1,3-butadiene	53		4.743					ND	
41 Tert-butyl ethyl ether	59		5.249					ND	
42 2-Butanone (MEK)	43		5.463					ND	7
43 cis-1,2-Dichloroethene	96		5.487					ND	
44 2,2-Dichloropropane	77		5.505					ND	7
46 Ethyl acetate	43		5.554					ND	7
45 Propionitrile	54		5.554					ND	
47 Methacrylonitrile	67		5.780					ND	
48 Chlorobromomethane	128		5.829					ND	
49 Tetrahydrofuran	71		5.835					ND	
50 Chloroform	83		5.993					ND	
51 Methyl acrylate	55		6.013					ND	
S 52 1,2-Dichloroethene, Total	100		6.155					ND	7
53 1,1,1-Trichloroethane	97		6.213					ND	
$ 54 Dibromofluoromethane (Surr)	113	6.219	6.213	0.006	94	435642	10.0	10.9	
55 Cyclohexane	56		6.304					ND	
56 Carbon tetrachloride	117		6.426					ND	
57 1,1-Dichloropropene	75		6.432					ND	
58 Isobutyl alcohol	41		6.639					ND	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	98	87391	10.0	10.6	
60 Benzene	78		6.700					ND	
61 1,2-Dichloroethane	62		6.780					ND	
62 1-Chlorobutane	56		6.781					ND	
63 Isopropyl acetate	43		6.828					ND	
64 Tert-amyl methyl ether	73		6.914					ND	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1695685	10.0	10.0	
66 n-Heptane	43		7.145					ND	7
67 n-Butanol	56		7.554					ND	
68 Trichloroethene	95		7.615					ND	
69 Methylcyclohexane	83		7.926					ND	
70 1,2-Dichloropropane	63		7.956					ND	
71 2-ethoxy-2-methyl butane	87		7.987					ND	
74 1,4-Dioxane	88		8.066					ND	
72 Dibromomethane	93		8.072					ND	
73 Methyl methacrylate	69		8.072					ND	
75 n-Propyl acetate	61		8.170					ND	
76 Dichlorobromomethane	83		8.316					ND	
77 2-Nitropropane	41		8.609					ND	
78 1-Bromo-2-chloroethane	63		8.712					ND	
79 2-Chloroethyl vinyl ether	63		8.724					ND	
80 cis-1,3-Dichloropropene	75		8.895					ND	
81 Chloroacetonitrile	75		9.067					ND	
82 4-Methyl-2-pentanone (MIBK)	43		9.102					ND	
$ 83 Toluene-d8 (Surr)	98	9.236	9.230	0.006	93	1711581	10.0	9.23	
84 Toluene	92		9.316					ND	
85 trans-1,3-Dichloropropene	75		9.614					ND	
86 Ethyl methacrylate	69		9.700					ND	
87 1,1,2-Trichloroethane	97		9.834					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
88 Tetrachloroethene	166		9.913					ND	
89 1,3-Dichloropropane	76		10.005					ND	
S 107 1,3-Dichloropropene, Total	100		10.060					ND	7
106 2-Hexanone	43		10.078					ND	
109 n-Butyl acetate	43		10.224					ND	
108 Chlorodibromomethane	129		10.230					ND	
110 Ethylene Dibromide	107		10.340					ND	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1411558	10.0	10.0	
112 1-Chlorohexane	91		10.828					ND	7
113 Chlorobenzene	112		10.834					ND	7
114 1,1,1,2-Tetrachloroethane	131		10.925					ND	
115 Ethylbenzene	91		10.925					ND	
116 m-Xylene & p-Xylene	106		11.053					ND	
S 117 Xylenes, Total	106		11.245					ND	7
118 o-Xylene	106		11.395					ND	
119 Styrene	104		11.413					ND	
120 Bromoform	173		11.565					ND	
121 Isopropylbenzene	105		11.712					ND	
122 cis-1,4-Dichloro-2-butene	88		11.772					ND	
123 Cyclohexanone	55		11.797					ND	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	640292	10.0	9.15	
125 Bromobenzene	156		11.968					ND	
126 1,1,2,2-Tetrachloroethane	83		11.968					ND	
127 trans-1,4-Dichloro-2-butene	53		11.998					ND	
128 1,2,3-Trichloropropane	110		12.010					ND	
129 N-Propylbenzene	91		12.053					ND	
130 2-Chlorotoluene	126		12.126					ND	
131 1,3,5-Trimethylbenzene	105		12.193					ND	
132 4-Chlorotoluene	126		12.224					ND	
133 tert-Butylbenzene	134		12.443					ND	
134 Pentachloroethane	167		12.468					ND	
135 1,2,4-Trimethylbenzene	105		12.486					ND	
136 sec-Butylbenzene	105		12.608					ND	
137 1,3-Dichlorobenzene	146		12.705					ND	
138 4-Isopropyltoluene	119		12.724					ND	7
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	753123	10.0	10.0	
140 1,4-Dichlorobenzene	146		12.778					ND	7
141 1,2,3-Trimethylbenzene	120		12.797					ND	7
142 Benzyl chloride	126		12.864					ND	
145 p-Diethylbenzene	119		12.998					ND	
143 n-Butylbenzene	92		13.022					ND	
144 1,2-Dichlorobenzene	146		13.047					ND	
147 Hexachloroethane	117		13.444					ND	
148 1,2-Dibromo-3-Chloropropane	155		13.601					ND	
149 1,3,5-Trichlorobenzene	180		13.729					ND	
150 1,2,4-Trichlorobenzene	180		14.162					ND	7
151 Hexachlorobutadiene	225		14.248					ND	
152 Naphthalene	128		14.345					ND	7
153 1,2,3-Trichlorobenzene	180		14.485					ND	7
154 2-Methylnaphthalene	142		15.101					ND	
155 Dodecane	57		0.000					ND	
253 Dimethylformamide TIC	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
252 1,1,1,2-Tetrafluoroethane TIC	1		0.000					ND	
251 sec-Butyl Alcohol TIC	1		0.000					ND	
250 C4-C12	1		0.000					ND	
249 C5-C12	1		0.000					ND	
248 C7-C12	1		0.000					ND	
247 C6-C10	1		0.000					ND	
246 C6-C12	1		0.000					ND	
245 C4-C10	1		0.000					ND	
254 3-Pentanone TIC	1		0.000					ND	
244 1,1-Dichloro-1-fluoroethane TIC	1		0.000					ND	
165 n-Decane	57		0.000					ND	
164 Ethanol	45		0.000					ND	
163 t-Amyl alcohol	1		0.000					ND	
162 Propene oxide	1		0.000					ND	
161 Methylal	1		0.000					ND	
160 1,1-Dichloroacetone	1		0.000					ND	
159 1-Chloropropane	1		0.000					ND	
158 2-Bromo-1-chloropropane	1		0.000					ND	
157 tert-Butyl Formate	1		0.000					ND	
156 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
166 1-Bromo-3-Chloropropane	1		0.000					ND	
255 Isooctane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP25_ISSS_00117 Amount Added: 1.00 Units: uL Run Reagent

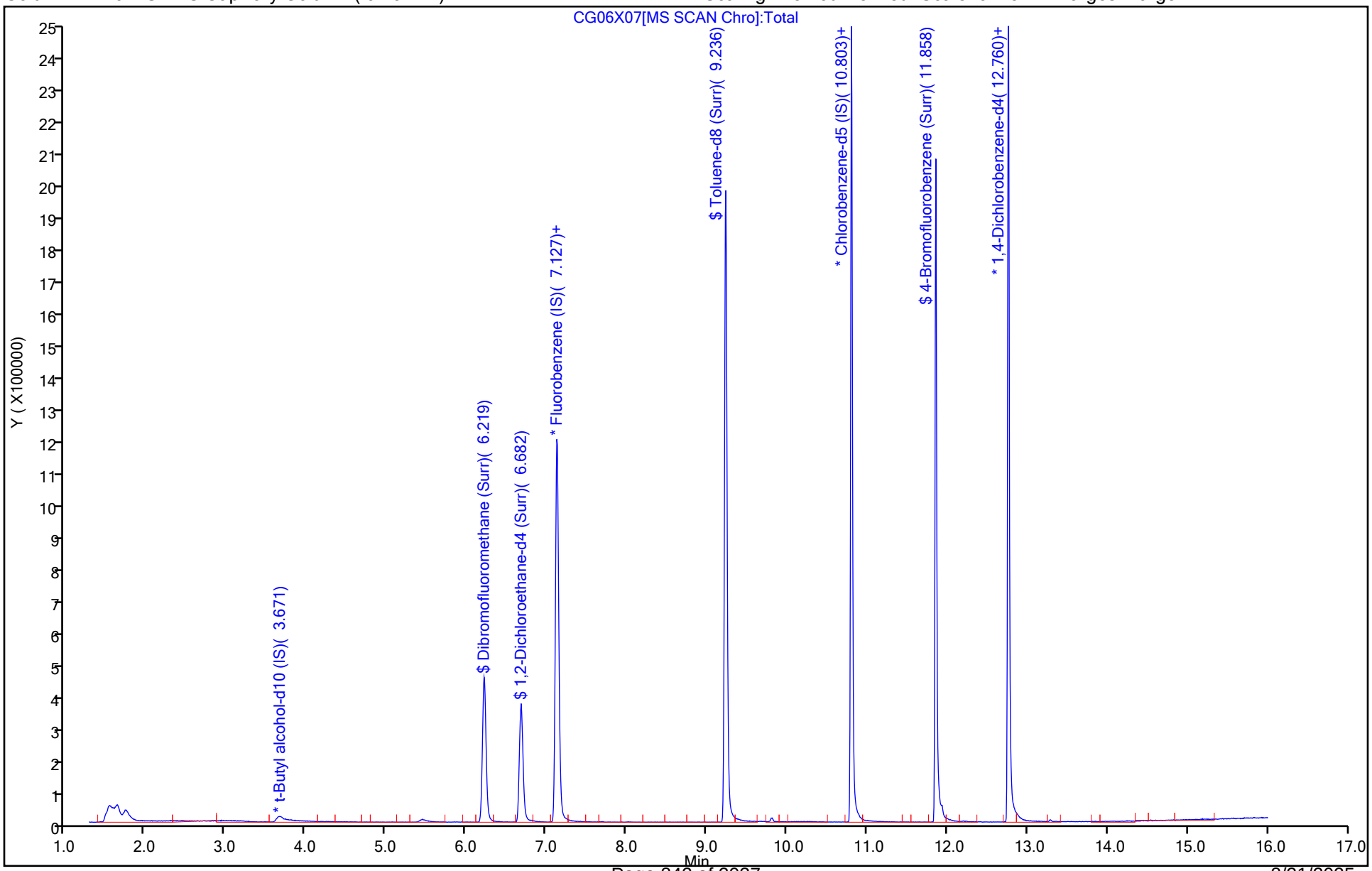
Report Date: 06-Aug-2025 17:02:27 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X07.D

Injection Date:	06-Aug-2025 12:21:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X07.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	06-Aug-2025 12:21:30	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-008				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 17:01:47	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1668				

First Level Reviewer: N7YK Date: 06-Aug-2025 12:46:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.9	108.87
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	105.83
$ 83 Toluene-d8 (Surr)	10.0	9.23	92.32
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.15	91.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681517/5

Matrix: Water
Lab File ID: CG06X04.D

Analysis Method: 8260D
Date Collected:

Sample wt/vol: 25(mL)
Date Analyzed: 08/06/2025 11:14

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL)
Heated Purge: (Y/N) N pH:

% Moisture: % Solids:
Level: (low/med) Low

Analysis Batch No.: 681517
Units: ug/L

Preparation Batch No.:
Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	4.97		1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4.89		1.0	
75-34-3	1,1-Dichloroethane	5.08		1.0	
75-35-4	1,1-Dichloroethene	5.07		1.0	
78-93-3	2-Butanone	66.7		10	
71-43-2	Benzene	4.92		1.0	
56-23-5	Carbon tetrachloride	5.09		1.0	
75-00-3	Chloroethane	5.56		1.0	
74-87-3	Chloromethane	4.51		1.0	
75-71-8	Dichlorodifluoromethane	4.56		1.0	
60-29-7	Diethyl ether	4.68	J	10	
100-41-4	Ethylbenzene	4.54		1.0	
75-09-2	Methylene Chloride	5.14		1.0	
127-18-4	Tetrachloroethene	4.65		1.0	
109-99-9	Tetrahydrofuran	25.7		25	
108-88-3	Toluene	4.55		1.0	
79-01-6	Trichloroethene	4.81		1.0	
75-69-4	Trichlorofluoromethane	5.44		1.0	
75-01-4	Vinyl chloride	4.72		1.0	
1330-20-7	Xylenes, Total	13.8		3.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		80-120
2037-26-5	Toluene-d8 (Surr)	96		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 11:14:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-005
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:44:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Dichlorodifluoromethane	85	1.750	1.750	0.000	100	276822	5.00	4.56	
5 Chloromethane	50	1.933	1.927	0.006	99	324669	5.00	4.51	
7 Butadiene	39	2.012	2.012	0.000	93	382644	5.00	4.62	
6 Vinyl chloride	62	2.031	2.031	0.000	98	300177	5.00	4.72	
9 Bromomethane	94	2.329	2.329	0.000	90	227568	5.00	5.60	
10 Chloroethane	64	2.360	2.360	0.000	99	200366	5.00	5.56	
11 Dichlorofluoromethane	67	2.567	2.567	0.000	98	555930	5.00	5.34	
13 Pentane	43	2.628	2.628	0.000	96	359837	5.00	5.15	
12 Trichlorofluoromethane	101	2.652	2.658	-0.006	97	437068	5.00	5.44	
14 Ethyl ether	59	2.805	2.805	0.000	94	179141	4.96	4.68	
16 1,2-Dichloro-1,1,2-trifluoroetha	67	2.908	2.908	0.000	93	285765	5.00	5.08	
18 1,1-Dichloroethene	96	3.073	3.073	0.000	98	200914	5.00	5.07	
20 Acetone	43	3.103	3.097	0.006	99	419919	62.5	61.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.128	3.128	0.000	92	201256	5.00	4.89	
22 Iodomethane	142	3.238	3.238	0.000	99	388737	5.00	4.82	
24 Isopropyl alcohol	45	3.250	3.244	0.006	43	41186	37.5	31.7	
25 Carbon disulfide	76	3.329	3.329	0.000	99	726869	5.00	4.98	M
26 Methyl acetate	43	3.451	3.457	-0.006	98	100319	5.00	5.45	M
29 3-Chloro-1-propene	41	3.475	3.475	0.000	92	375620	5.00	5.03	
30 Methylene Chloride	84	3.640	3.640	0.000	92	246097	5.00	5.14	
* 31 t-Butyl alcohol-d10 (IS)	65	3.646	3.640	0.006	42	144557	50.0	50.0	
32 2-Methyl-2-propanol	59	3.756	3.756	0.000	97	91509	50.0	42.6	
33 Acrylonitrile	53	3.945	3.939	0.006	99	254553	25.0	25.4	
35 trans-1,2-Dichloroethene	96	3.994	3.987	0.007	99	246033	5.00	5.03	
34 Methyl tert-butyl ether	73	3.994	3.994	0.000	88	583685	5.00	4.31	
36 Hexane	57	4.390	4.390	0.000	95	310612	5.00	4.67	
37 1,1-Dichloroethane	63	4.628	4.634	-0.006	97	452561	5.00	5.08	
39 Isopropyl ether	45	4.701	4.701	0.000	95	786973	5.00	4.78	
40 2-Chloro-1,3-butadiene	53	4.750	4.743	0.007	91	360077	5.00	4.58	
41 Tert-butyl ethyl ether	59	5.249	5.249	0.000	97	682637	5.00	4.21	
42 2-Butanone (MEK)	43	5.463	5.463	0.000	100	875700	62.5	66.7	
43 cis-1,2-Dichloroethene	96	5.487	5.487	0.000	82	273953	5.00	4.86	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
44 2,2-Dichloropropane	77	5.499	5.505	-0.006	88	357399	5.00	5.11	
45 Propionitrile	54	5.566	5.554	0.012	97	148636	37.5	42.0	
47 Methacrylonitrile	67	5.780	5.780	0.000	93	509027	37.5	40.0	
48 Chlorobromomethane	128	5.829	5.829	0.000	95	124789	5.00	4.96	
49 Tetrahydrofuran	71	5.841	5.835	0.006	78	95937	25.0	25.7	
50 Chloroform	83	5.993	5.993	0.000	94	444169	5.00	4.91	
53 1,1,1-Trichloroethane	97	6.213	6.213	0.000	73	393373	5.00	4.97	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	464090	10.0	10.6	
55 Cyclohexane	56	6.310	6.304	0.006	92	394519	5.00	4.69	
56 Carbon tetrachloride	117	6.426	6.426	0.000	91	343444	5.00	5.09	
57 1,1-Dichloropropene	75	6.432	6.432	0.000	95	332038	5.00	4.67	
58 Isobutyl alcohol	41	6.639	6.639	0.000	89	109275	125.0	124.9	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.670	6.676	-0.006	99	97238	10.0	10.7	
60 Benzene	78	6.700	6.700	0.000	97	1042517	5.00	4.92	
61 1,2-Dichloroethane	62	6.780	6.780	0.000	97	268081	5.00	4.63	
64 Tert-amyl methyl ether	73	6.914	6.914	0.000	98	646937	5.00	4.46	
* 65 Fluorobenzene (IS)	96	7.121	7.127	-0.006	98	1862652	10.0	10.0	
66 n-Heptane	43	7.145	7.145	0.000	93	352818	5.00	5.38	
67 n-Butanol	56	7.566	7.554	0.012	92	186176	250.0	225.9	
68 Trichloroethene	95	7.615	7.615	0.000	98	269694	5.00	4.81	
69 Methylcyclohexane	83	7.926	7.926	0.000	93	407450	5.00	4.52	
70 1,2-Dichloropropane	63	7.956	7.956	0.000	97	270277	5.00	4.99	
71 2-ethoxy-2-methyl butane	87	7.981	7.987	-0.006	93	384993	5.00	4.53	
74 1,4-Dioxane	88	8.060	8.066	-0.006	31	24173	125.0	118.8	M
72 Dibromomethane	93	8.066	8.072	-0.006	95	130213	5.00	4.86	
73 Methyl methacrylate	69	8.072	8.072	0.000	93	121757	5.00	4.65	
76 Dichlorobromomethane	83	8.322	8.316	0.006	100	323581	5.00	4.90	
77 2-Nitropropane	41	8.609	8.609	0.000	98	34452	5.00	4.07	
78 1-Bromo-2-chloroethane	63	8.712	8.712	0.000	99	288232	5.00	5.43	
80 cis-1,3-Dichloropropene	75	8.895	8.895	0.000	96	358828	5.00	4.41	
82 4-Methyl-2-pentanone (MIBK)	43	9.102	9.102	0.000	97	2294749	62.5	65.9	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	93	1924814	10.0	9.65	
84 Toluene	92	9.316	9.316	0.000	98	671092	5.00	4.55	
85 trans-1,3-Dichloropropene	75	9.614	9.614	0.000	93	327358	5.00	4.39	
86 Ethyl methacrylate	69	9.700	9.700	0.000	90	250476	5.00	3.87	
87 1,1,2-Trichloroethane	97	9.834	9.834	0.000	90	192384	5.00	4.55	
88 Tetrachloroethene	166	9.913	9.913	0.000	98	318262	5.00	4.65	
89 1,3-Dichloropropane	76	10.005	10.005	0.000	92	319717	5.00	4.46	
106 2-Hexanone	43	10.078	10.078	0.000	97	1636992	62.5	65.7	
108 Chlorodibromomethane	129	10.230	10.230	0.000	90	240556	5.00	4.66	
110 Ethylene Dibromide	107	10.340	10.340	0.000	98	183992	5.00	4.49	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	85	1518957	10.0	10.0	
112 1-Chlorohexane	91	10.828	10.828	0.000	92	354456	5.00	4.28	
113 Chlorobenzene	112	10.828	10.834	-0.006	95	776683	5.00	4.60	
114 1,1,1,2-Tetrachloroethane	131	10.919	10.925	-0.006	95	280270	5.00	4.88	
115 Ethylbenzene	91	10.925	10.925	0.000	98	1330762	5.00	4.54	
116 m-Xylene & p-Xylene	106	11.053	11.053	0.000	97	1058181	10.0	9.28	
118 o-Xylene	106	11.395	11.395	0.000	96	503544	5.00	4.48	
119 Styrene	104	11.413	11.413	0.000	95	864995	5.00	4.63	
120 Bromoform	173	11.565	11.565	0.000	97	147122	5.00	4.89	
121 Isopropylbenzene	105	11.712	11.712	0.000	96	1315192	5.00	5.08	
$ 124 4-Bromofluorobenzene (Surr)	95	11.852	11.858	-0.006	92	760629	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 Bromobenzene	156	11.968	11.968	0.000	91	344852	5.00	4.41	
126 1,1,2,2-Tetrachloroethane	83	11.968	11.968	0.000	91	242872	5.00	4.36	
127 trans-1,4-Dichloro-2-butene	53	11.998	11.998	0.000	92	293518	25.0	22.0	
128 1,2,3-Trichloropropane	110	12.010	12.010	0.000	82	68933	5.00	4.51	
129 N-Propylbenzene	91	12.047	12.053	-0.006	99	1587245	5.00	4.36	
130 2-Chlorotoluene	126	12.120	12.126	-0.006	97	325074	5.00	4.35	
131 1,3,5-Trimethylbenzene	105	12.193	12.193	0.000	93	1166607	5.00	4.43	
132 4-Chlorotoluene	126	12.224	12.224	0.000	97	338474	5.00	4.36	
133 tert-Butylbenzene	134	12.437	12.443	-0.006	93	257276	5.00	4.26	
134 Pentachloroethane	167	12.468	12.468	0.000	93	225805	5.00	4.86	
135 1,2,4-Trimethylbenzene	105	12.486	12.486	0.000	97	1198989	5.00	4.43	
136 sec-Butylbenzene	105	12.608	12.608	0.000	94	1489279	5.00	4.43	
137 1,3-Dichlorobenzene	146	12.705	12.705	0.000	98	681257	5.00	4.54	
138 4-Isopropyltoluene	119	12.724	12.724	0.000	97	1277612	5.00	4.35	
* 139 1,4-Dichlorobenzene-d4	152	12.760	12.760	0.000	95	881832	10.0	10.0	
140 1,4-Dichlorobenzene	146	12.778	12.778	0.000	96	708665	5.00	4.52	
141 1,2,3-Trimethylbenzene	120	12.797	12.797	0.000	98	536172	5.00	4.39	
142 Benzyl chloride	126	12.864	12.864	0.000	98	99695	5.00	5.10	
145 p-Diethylbenzene	119	12.998	12.998	0.000	94	812304	5.00	4.57	
143 n-Butylbenzene	92	13.022	13.022	0.000	97	636861	5.00	4.50	
144 1,2-Dichlorobenzene	146	13.047	13.047	0.000	99	629036	5.00	4.59	
148 1,2-Dibromo-3-Chloropropane	155	13.608	13.601	0.007	87	30809	5.00	4.14	
149 1,3,5-Trichlorobenzene	180	13.729	13.729	0.000	98	473050	5.00	4.50	
150 1,2,4-Trichlorobenzene	180	14.162	14.162	0.000	95	345090	5.00	4.34	
151 Hexachlorobutadiene	225	14.248	14.248	0.000	97	208300	5.00	4.69	
152 Naphthalene	128	14.345	14.345	0.000	97	536761	5.00	4.13	
153 1,2,3-Trichlorobenzene	180	14.492	14.485	0.007	96	270926	5.00	4.40	
154 2-Methylnaphthalene	142	15.101	15.101	0.000	92	134148	5.00	2.79	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00232	Amount Added:	12.50	Units: uL	
MSV_QC_Gas826_00273	Amount Added:	12.50	Units: uL	
MSV_LCS_EE_00011	Amount Added:	12.50	Units: uL	
MSV_LCS_Penta_00058	Amount Added:	12.50	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

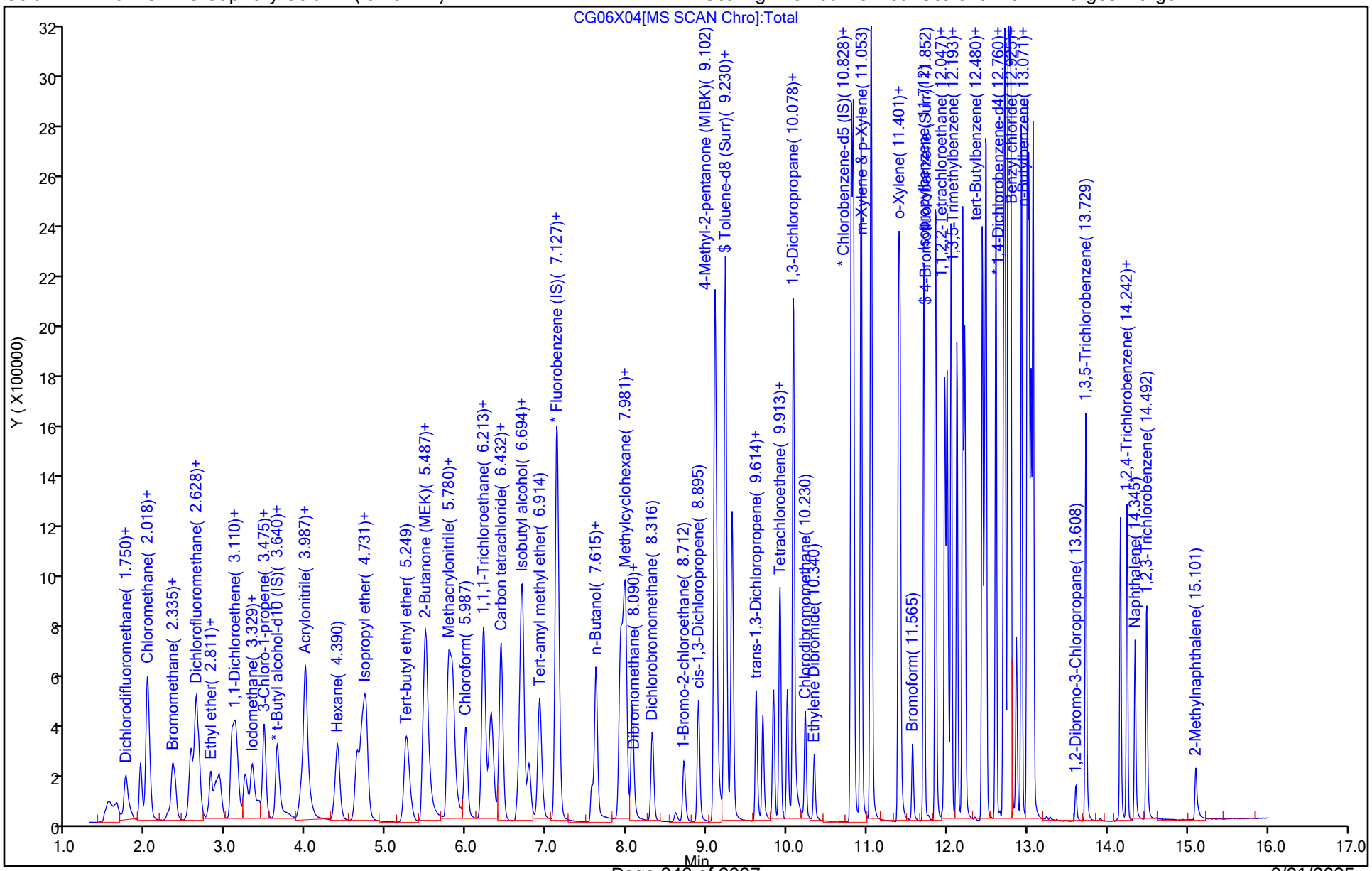
Report Date: 06-Aug-2025 17:01:51 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X04.D

Injection Date:	06-Aug-2025 11:14:30	Instrument ID:	10193	Operator ID:	ecr105096
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	25.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MSV_10193_25mL	Limit Group:	MSV - 8260C_D		

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X04.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 11:14:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-005
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:44:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.6	105.58
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.7	107.20
$ 83 Toluene-d8 (Surr)	10.0	9.65	96.48
$ 124 4-Bromofluorobenzene (Surr)	10.0	10.1	100.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-681517/6

Matrix: Water Lab File ID: CG06X05.D

Analysis Method: 8260D Date Collected:

Sample wt/vol: 25(mL) Date Analyzed: 08/06/2025 11:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25(mm)

Purge Volume: 25.0(mL) Heated Purge: (Y/N) N pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 681517 Units: ug/L

Preparation Batch No.: Instrument ID: 10193

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
115-10-6	Dimethyl ether	4.03	J	10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	93		80-120
1868-53-7	Dibromofluoromethane (Surr)	106		80-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		80-120
2037-26-5	Toluene-d8 (Surr)	95		80-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X05.D
Lims ID: LCS Sm
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 11:36:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 25.000 mL Dil. Factor: 1.0000
Sample Info: 410-0155688-006
Operator ID: ecr105096 Instrument ID: 10193

Method: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m
Limit Group: MSV - 8260C_D
Last Update: 06-Aug-2025 17:01:47 Calib Date: 04-Jun-2025 23:20:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D

Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
Process Host: CTX1668

First Level Reviewer: N7YK Date: 06-Aug-2025 12:44:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dimethyl ether	45	1.799	1.805	-0.006	99	323955	5.00	4.03	
27 Acetonitrile	41	3.433	3.451	-0.018	98	64934	18.8	20.1	
* 31 t-Butyl alcohol-d10 (IS)	65	3.646	3.640	0.006	96	127564	50.0	50.0	
38 Vinyl acetate	43	4.640	4.640	0.000	97	959912	12.5	14.9	
46 Ethyl acetate	43	5.554	5.554	0.000	99	78760	2.50	2.53	
$ 54 Dibromofluoromethane (Surr)	113	6.213	6.213	0.000	94	446452	10.0	10.6	
$ 59 1,2-Dichloroethane-d4 (Surr)	102	6.682	6.676	0.006	99	92277	10.0	10.6	
63 Isopropyl acetate	43	6.828	6.828	0.000	99	163614	2.50	2.34	
* 65 Fluorobenzene (IS)	96	7.127	7.127	0.000	99	1786842	10.0	10.0	
75 n-Propyl acetate	61	8.170	8.170	0.000	98	30679	2.50	2.17	
$ 83 Toluene-d8 (Surr)	98	9.230	9.230	0.000	94	1818130	10.0	9.48	
109 n-Butyl acetate	43	10.224	10.224	0.000	97	121098	2.50	1.84	
* 111 Chlorobenzene-d5 (IS)	117	10.803	10.803	0.000	86	1460926	10.0	10.0	
$ 124 4-Bromofluorobenzene (Surr)	95	11.858	11.858	0.000	93	673242	10.0	9.29	
* 139 1,4-Dichlorobenzene-d4	152	12.766	12.760	0.006	94	766384	10.0	10.0	

QC Flag Legend
Processing Flags

Reagents:

MSV_LCS_V5ACE_00055	Amount Added:	6.25	Units: uL	
MSV_DME_00072	Amount Added:	0.50	Units: uL	
MSV_HP25_ISSS_00117	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 06-Aug-2025 17:02:08 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X05.D

Injection Date: 06-Aug-2025 11:36:30 Instrument ID: 10193 Operator ID: ecr105096

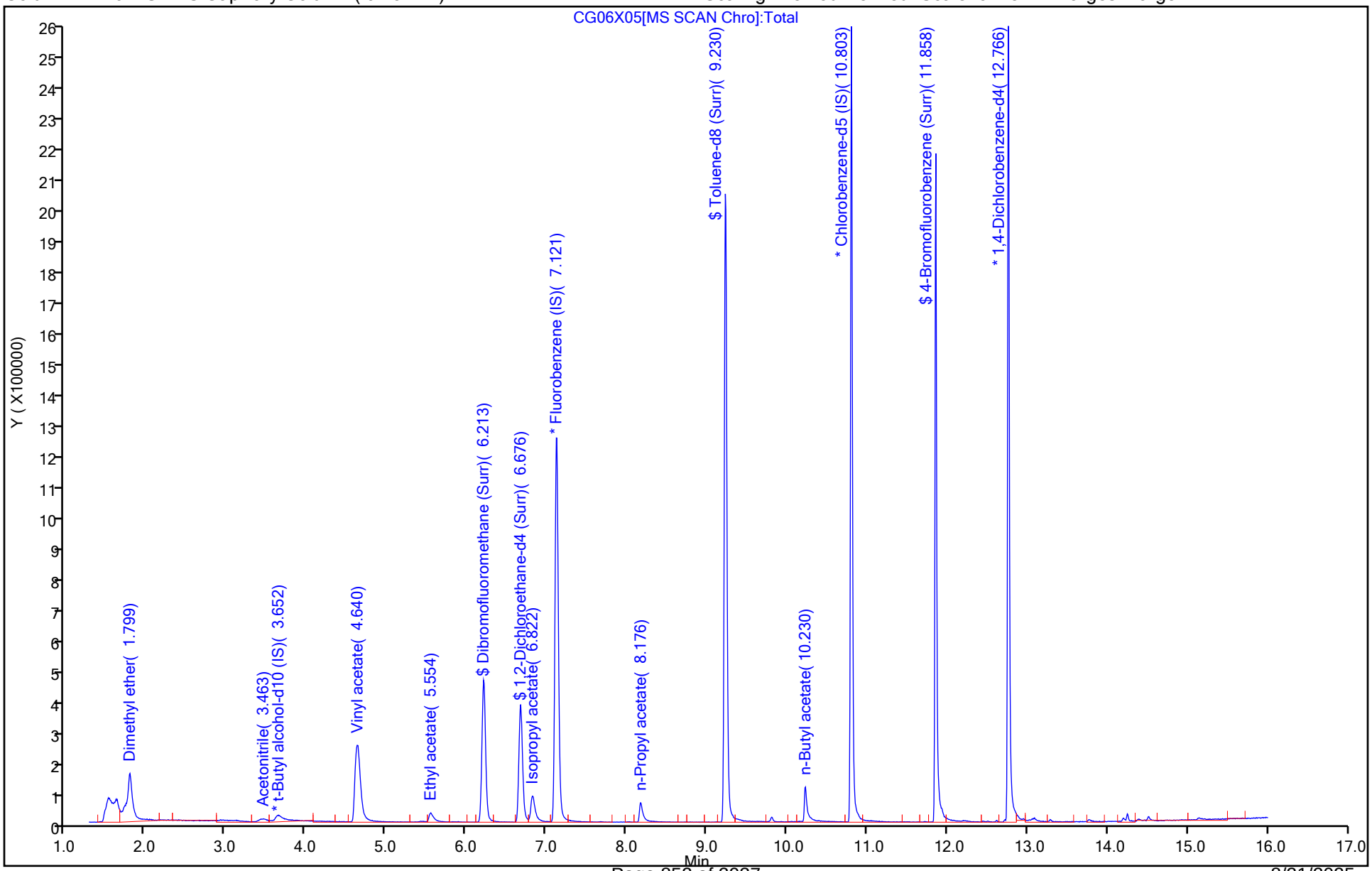
Lims ID: LCS Sm Worklist Smp#: 6

Client ID:

Purge Vol: 25.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSV_10193_25mL Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\CG06X05.D				
Lims ID:	LCS Sm				
Client ID:					
Sample Type:	LCS				
Inject. Date:	06-Aug-2025 11:36:30	ALS Bottle#:	5	Worklist Smp#:	6
Purge Vol:	25.000 mL	Dil. Factor:	1.0000		
Sample Info:	410-0155688-006				
Operator ID:	ecr105096	Instrument ID:	10193		
Method:	\\chromfs\Lancaster\ChromData\10193\20250806-155688.b\MSV_10193_25mL.m				
Limit Group:	MSV - 8260C_D				
Last Update:	06-Aug-2025 17:01:47	Calib Date:	04-Jun-2025 23:20:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\10193\20250604-149247.b\CU04X18.D				
Column 1 :	Rxi-624Sil MS Capillary Column (0.25 mm)		Det: MS Quad		
Process Host:	CTX1668				

First Level Reviewer: N7YK Date: 06-Aug-2025 12:44:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 54 Dibromofluoromethane (Surr)	10.0	10.6	105.88
$ 59 1,2-Dichloroethane-d4 (Surr)	10.0	10.6	106.05
$ 83 Toluene-d8 (Surr)	10.0	9.48	94.75
$ 124 4-Bromofluorobenzene (Surr)	10.0	9.29	92.92

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Start Date: 06/04/2025 16:26

Analysis Batch Number: 652703 End Date: 06/05/2025 00:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-652703/1		06/04/2025 16:26	1	CU04T01.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/3		06/04/2025 17:23	1	CU04X02.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/4		06/04/2025 17:46	1	CU04X03.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/5		06/04/2025 18:08	1	CU04X04.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/6		06/04/2025 18:30	1	CU04X05.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/7		06/04/2025 18:53	1	CU04X06.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/8		06/04/2025 19:15	1	CU04X07.D	R-624SilMS 30m 0.25(mm)
CCV 410-652703/1008		06/04/2025 19:15	1		R-624SilMS 30m 0.25(mm)
IC 410-652703/9		06/04/2025 19:37	1	CU04X08.D	R-624SilMS 30m 0.25(mm)
ICV 410-652703/11		06/04/2025 20:22	1	CU04X10.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/13		06/04/2025 21:06	1	CU04X12.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/14		06/04/2025 21:28	1	CU04X13.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/15		06/04/2025 21:51	1	CU04X14.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/16		06/04/2025 22:13	1	CU04X15.D	R-624SilMS 30m 0.25(mm)
IC 410-652703/17		06/04/2025 22:35	1	CU04X16.D	R-624SilMS 30m 0.25(mm)
ICIS 410-652703/18		06/04/2025 22:57	1	CU04X17.D	R-624SilMS 30m 0.25(mm)
ZZZZZ		06/04/2025 22:57	1		R-624SilMS 30m 0.25(mm)
IC 410-652703/19		06/04/2025 23:20	1	CU04X18.D	R-624SilMS 30m 0.25(mm)
ICV 410-652703/21		06/05/2025 00:04	1	CU04X20.D	R-624SilMS 30m 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: 10193 Start Date: 08/06/2025 09:52

Analysis Batch Number: 681517 End Date: 08/06/2025 20:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-681517/1		08/06/2025 09:52	1	CG06T01.D	R-624SilMS 30m 0.25(mm)
CCVIS 410-681517/3		08/06/2025 10:29	1	CG06X02.D	R-624SilMS 30m 0.25(mm)
CCV 410-681517/4		08/06/2025 10:52	1	CG06X03.D	R-624SilMS 30m 0.25(mm)
LCS 410-681517/5		08/06/2025 11:14	1	CG06X04.D	R-624SilMS 30m 0.25(mm)
LCS 410-681517/6		08/06/2025 11:36	1	CG06X05.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		08/06/2025 11:58	1		R-624SilMS 30m 0.25(mm)
MB 410-681517/8		08/06/2025 12:21	1	CG06X07.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 13:16	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 13:38	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:00	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:23	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:45	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		08/06/2025 15:07	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		08/06/2025 15:30	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		08/06/2025 15:52	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (QC)		08/06/2025 16:14	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 16:37	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 16:59	1		R-624SilMS 30m 0.25(mm)
410-234898-7	16-2	08/06/2025 17:21	1	CG06X19.D	R-624SilMS 30m 0.25(mm)
410-234898-8	16-3	08/06/2025 17:43	1	CG06X20.D	R-624SilMS 30m 0.25(mm)
410-234898-9	16-5	08/06/2025 18:06	1	CG06X21.D	R-624SilMS 30m 0.25(mm)
410-234898-10	16WC2B	08/06/2025 18:28	1	CG06X22.D	R-624SilMS 30m 0.25(mm)
410-234898-11	16SPRING	08/06/2025 18:50	1	CG06X23.D	R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 19:12	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 19:35	10		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 19:57	1		R-624SilMS 30m 0.25(mm)
ZZZZZ (Client)		08/06/2025 20:19	10		R-624SilMS 30m 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 652703 Batch Start Date: 06/04/25 16:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Lot#Vial	LCS_ETBR 00010	MSV_CCV_CYC 00011	MSV_CCV_V5ACE 00049
BFB 410-652703/1		8260D			1 uL	1 uL				
IC 410-652703/3		8260D			25 mL	25 mL	431126		1.6 uL	0.2 uL
IC 410-652703/4		8260D			25 mL	25 mL	431126		4 uL	0.5 uL
IC 410-652703/5		8260D			25 mL	25 mL	431126		8 uL	1 uL
IC 410-652703/6		8260D			25 mL	25 mL	431126		8 uL	1 uL
IC 410-652703/7		8260D			25 mL	25 mL	431126		8 uL	1 uL
IC 410-652703/8		8260D			25 mL	25 mL	431126		8 uL	1 uL
IC 410-652703/9		8260D			25 mL	25 mL	431126		20 uL	2.5 uL
ICV 410-652703/11		8260D			25 mL	25 mL	431126			
IC 410-652703/13		8260D			25 mL	25 mL	431126			
IC 410-652703/14		8260D			25 mL	25 mL	431126			
IC 410-652703/15		8260D			25 mL	25 mL	431126			
IC 410-652703/16		8260D			25 mL	25 mL	431126			
IC 410-652703/17		8260D			25 mL	25 mL	431126			
ICIS 410-652703/18		8260D			25 mL	25 mL	431126			
IC 410-652703/19		8260D			25 mL	25 mL	431126			
ICV 410-652703/21		8260D			25 mL	25 mL	431126	12.5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00064	MSV_HP25_ISO 00013	MSV_HP25_ISSS 00114	MSV_LCS_2CEVE 00231	MSV_LCS_ACROL 00229	MSV_LCS_CYC 00011
BFB 410-652703/1		8260D								
IC 410-652703/3		8260D			0.2 uL	1 uL				
IC 410-652703/4		8260D			0.5 uL	1 uL				
IC 410-652703/5		8260D			1 uL	1 uL				
IC 410-652703/6		8260D			1 uL	1 uL				
IC 410-652703/7		8260D			1 uL	1 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 652703 Batch Start Date: 06/04/25 16:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_DME 00064	MSV_HP25_ISO 00013	MSV_HP25_ISSS 00114	MSV_LCS_2CEVE 00231	MSV_LCS_ACROL 00229	MSV_LCS_CYC 00011
IC 410-652703/8		8260D			1 uL	1 uL				
IC 410-652703/9		8260D			2.5 uL	1 uL				
ICV 410-652703/11		8260D			0.5 uL	1 uL		12.5 uL		12.5 uL
IC 410-652703/13		8260D					1 uL			
IC 410-652703/14		8260D					1 uL			
IC 410-652703/15		8260D					1 uL			
IC 410-652703/16		8260D					1 uL			
IC 410-652703/17		8260D					1 uL			
ICIS 410-652703/18		8260D					1 uL			
IC 410-652703/19		8260D					1 uL			
ICV 410-652703/21		8260D					1 uL		12.5 uL	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00011	MSV_LCS_LKB 00014	MSV_LCS_Penta 00056	MSV_LCS_SMFre 00089	MSV_LCS_V5ACE 00053	MSV_LCS_VOC#1 00222
BFB 410-652703/1		8260D								
IC 410-652703/3		8260D								
IC 410-652703/4		8260D								
IC 410-652703/5		8260D								
IC 410-652703/6		8260D								
IC 410-652703/7		8260D								
IC 410-652703/8		8260D								
IC 410-652703/9		8260D								
ICV 410-652703/11		8260D				25 uL		12.5 uL	6.25 uL	
IC 410-652703/13		8260D								
IC 410-652703/14		8260D								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 652703 Batch Start Date: 06/04/25 16:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_EE 00011	MSV_LCS_LKB 00014	MSV_LCS_Penta 00056	MSV_LCS_SMFre 00089	MSV_LCS_V5ACE 00053	MSV_LCS_VOC#1 00222
IC 410-652703/15		8260D								
IC 410-652703/16		8260D								
IC 410-652703/17		8260D								
ICIS 410-652703/18		8260D								
IC 410-652703/19		8260D								
ICV 410-652703/21		8260D			12.5 uL		12.5 uL			12.5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00168	MSV_LL_#2_826 00181	MSV_LL_GAS826 00274	MSV_QC_Gas826 00263	MSV_V_BFB 00019	MSV_V_SMRV4 00088
BFB 410-652703/1		8260D							1 uL	
IC 410-652703/3		8260D								1 uL
IC 410-652703/4		8260D								2.5 uL
IC 410-652703/5		8260D								5 uL
IC 410-652703/6		8260D								5 uL
IC 410-652703/7		8260D								5 uL
IC 410-652703/8		8260D								5 uL
IC 410-652703/9		8260D								12.5 uL
ICV 410-652703/11		8260D								
IC 410-652703/13		8260D			2 uL	2 uL	2 uL			
IC 410-652703/14		8260D			2 uL	2 uL	2 uL			
IC 410-652703/15		8260D			2 uL	2 uL	2 uL			
IC 410-652703/16		8260D			2 uL	2 uL	2 uL			
IC 410-652703/17		8260D			5 uL	5 uL	5 uL			
ICIS 410-652703/18		8260D			10 uL	10 uL	10 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 652703 Batch Start Date: 06/04/25 16:26 Batch Analyst: Kephart, Kayla

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LL_#1_826 00168	MSV_LL_#2_826 00181	MSV_LL_GAS826 00274	MSV_QC_Gas826 00263	MSV_V_BFB 00019	MSV_V_SMRV4 00088
IC 410-652703/19		8260D			25 uL	25 uL	25 uL			
ICV 410-652703/21		8260D						12.5 uL		

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 681517 Batch Start Date: 08/06/25 09:52 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloCheck	Headspace	Lot#Vial
BFB 410-681517/1		8260D			1 uL	1 uL				
CCVIS 410-681517/3		8260D			25 mL	25 mL				2810
CCV 410-681517/4		8260D			25 mL	25 mL				2810
LCS 410-681517/5		8260D			25 mL	25 mL				2810
LCS 410-681517/6		8260D			25 mL	25 mL				2810
MB 410-681517/8		8260D			25 mL	25 mL				2810
410-234898-A-7	16-2	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-A-8	16-3	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-A-9	16-5	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-A-10	16WC2B	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	
410-234898-A-11	16SPRING	8260D	Water	T	25 mL	25 mL	<2 SU	N	N	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_CCV_V5ACE 00051	MSV_DME 00072	MSV_HP25_ISSS 00117	MSV_LCS_EE 00011	MSV_LCS_Penta 00058	MSV_LCS_V5ACE 00055
BFB 410-681517/1		8260D								
CCVIS 410-681517/3		8260D					1 uL			
CCV 410-681517/4		8260D			1 uL	1 uL	1 uL			
LCS 410-681517/5		8260D					1 uL	12.5 uL	12.5 uL	
LCS 410-681517/6		8260D				0.5 uL	1 uL			6.25 uL
MB 410-681517/8		8260D					1 uL			
410-234898-A-7	16-2	8260D	Water	T			1 uL			
410-234898-A-8	16-3	8260D	Water	T			1 uL			
410-234898-A-9	16-5	8260D	Water	T			1 uL			
410-234898-A-10	16WC2B	8260D	Water	T			1 uL			
410-234898-A-11	16SPRING	8260D	Water	T			1 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 681517 Batch Start Date: 08/06/25 09:52 Batch Analyst: Ressler, Eric

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSV_LCS_VOC#1 00232	MSV_LL_#1_826 00173	MSV_LL_#2_826 00188	MSV_LL_GAS826 00283	MSV_QC_Gas826 00273	MSV_V_BFB 00019
BFB 410-681517/1		8260D								1 uL
CCVIS 410-681517/3		8260D				20 uL	20 uL	20 uL		
CCV 410-681517/4		8260D								
LCS 410-681517/5		8260D			12.5 uL				12.5 uL	
LCS 410-681517/6		8260D								
MB 410-681517/8		8260D								
410-234898-A-7	16-2	8260D	Water	T						
410-234898-A-8	16-3	8260D	Water	T						
410-234898-A-9	16-5	8260D	Water	T						
410-234898-A-10	16WC2B	8260D	Water	T						
410-234898-A-11	16SPRING	8260D	Water	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270E

Semivolatile Organic Compounds (GC/MS) by Method 8270E

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-5MS 30m ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
16-2	410-234898-7	49	36	70	85	86	102
16-3	410-234898-8	48	30	66	85	83	102
16-5	410-234898-9	46	35	84	79	87	99
16WC2B	410-234898-10	41	31	82	79	88	101
16SPRING	410-234898-11	41	30	81	79	83	96
	MB 410-681120/1-A	51	36	63	82	79	98
	LCS 410-681120/2-A	57	40	72	82	82	103
	LCSD 410-681120/3-A	58	41	76	78	89	106

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-120
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	33-120
FBP = 2-Fluorobiphenyl (Surr)	45-120
TBP = 2,4,6-Tribromophenol (Surr)	13-134
TPHd14 = p-Terphenyl-d14 (Surr)	26-123

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0612.D

Lab ID: LCS 410-681120/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	50.0	45.2	90	54-143	
2,6-Dinitrotoluene	50.0	43.9	88	53-139	
Diethyl phthalate	50.0	43.4	87	45-130	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Matrix: Water Level: Low Lab File ID: HG0613.D

Lab ID: LCSD 410-681120/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dinitrotoluene	50.0	44.6	89	1	30	54-143	
2,6-Dinitrotoluene	50.0	44.3	89	1	30	53-139	
Diethyl phthalate	50.0	43.2	86	1	30	45-130	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: HG0611.D Lab Sample ID: MB 410-681120/1-A

Matrix: Water Date Extracted: 08/05/2025 16:09

Instrument ID: HP23264 Date Analyzed: 08/06/2025 11:47

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-681120/2-A	HG0612.D	08/06/2025 12:08
	LCSD 410-681120/3-A	HG0613.D	08/06/2025 12:28
16-2	410-234898-7	HG0631.D	08/06/2025 18:34
16-3	410-234898-8	HG0632.D	08/06/2025 18:54
16-5	410-234898-9	DH0757.D	08/07/2025 22:36
16WC2B	410-234898-10	DH0758.D	08/07/2025 22:57
16SPRING	410-234898-11	DH0759.D	08/07/2025 23:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: DF2550.D DFTPP Injection Date: 06/25/2025

Instrument ID: HP19760 DFTPP Injection Time: 23:15

Analysis Batch No.: 662998

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	32.5	
68	Less than 2% of mass 69	0.8	(1.9) 1
69	Mass 69 Relative abundance	41.7	
70	Less than 2% of mass 69	0.1	(0.3) 1
127	10-80% of Base Peak	46.8	
197	Less than 2% of mass 198	0.3	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	24.8	
365	Greater than 1% of mass 198	2.6	
441	present but less than 24% of mass 442	14.2	(15.8) 2
442	Greater than 50% of mass 198	90.1	
443	15-24% of mass 442	17.5	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-662998/2	DF2551.D	06/25/2025	23:30
	IC 410-662998/3	DF2552.D	06/25/2025	23:57
	IC 410-662998/4	DF2553.D	06/26/2025	0:18
	IC 410-662998/5	DF2554.D	06/26/2025	0:39
	IC 410-662998/6	DF2555.D	06/26/2025	0:59
	IC 410-662998/7	DF2556.D	06/26/2025	1:20
	IC 410-662998/8	DF2557.D	06/26/2025	1:41
	IC 410-662998/9	DF2558.D	06/26/2025	2:03
	ICV 410-662998/12	DF2561.D	06/26/2025	3:14
	ICV 410-662998/14	DF2563.D	06/26/2025	3:56
	ICV 410-662998/15	DF2564.D	06/26/2025	4:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: DH0750.D DFTPP Injection Date: 08/07/2025

Instrument ID: HP19760 DFTPP Injection Time: 19:33

Analysis Batch No.: 682464

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	39.8	
68	Less than 2% of mass 69	0.7	(1.7) 1
69	Mass 69 Relative abundance	40.7	
70	Less than 2% of mass 69	0.3	(0.8) 1
127	10-80% of Base Peak	44.0	
197	Less than 2% of mass 198	0.4	
198	Base peak	100.0	
199	5-9% of mass 198	6.8	
275	10-60% of Base Peak	23.9	
365	Greater than 1% of mass 198	2.8	
441	present but less than 24% of mass 442	13.1	(15.2) 2
442	Greater than 50% of mass 198	86.3	
443	15-24% of mass 442	17.1	(19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-682464/2	DH0751.D	08/07/2025	19:54
16-5	410-234898-9	DH0757.D	08/07/2025	22:36
16WC2B	410-234898-10	DH0758.D	08/07/2025	22:57
16SPRING	410-234898-11	DH0759.D	08/07/2025	23:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: JC1150a.D DFTPP Injection Date: 03/11/2025

Instrument ID: HP23264 DFTPP Injection Time: 19:17

Analysis Batch No.: 615736

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	33.7	
68	Less than 2% of mass 69	0.7	(1.6) 1
69	Mass 69 Relative abundance	45.9	
70	Less than 2% of mass 69	0.1	(0.2) 1
127	10-80% of Base Peak	39.3	
197	Less than 2% of mass 198	1.2	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	27.2	
365	Greater than 1% of mass 198	4.0	
441	present but less than 24% of mass 442	19.4	(16.4) 2
442	Greater than 50% of mass 198	118.3	
443	15-24% of mass 442	24.7	(20.9) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 410-615736/11	JC1160.D	03/11/2025	23:49

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: JD1400a.D DFTPP Injection Date: 04/14/2025

Instrument ID: HP23264 DFTPP Injection Time: 10:59

Analysis Batch No.: 630243

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	34.7	
68	Less than 2% of mass 69	0.7	(1.5) 1
69	Mass 69 Relative abundance	44.9	
70	Less than 2% of mass 69	0.2	(0.4) 1
127	10-80% of Base Peak	40.6	
197	Less than 2% of mass 198	1.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.4	
275	10-60% of Base Peak	26.1	
365	Greater than 1% of mass 198	4.0	
441	present but less than 24% of mass 442	19.6	(15.6) 2
442	Greater than 50% of mass 198	125.7	
443	15-24% of mass 442	24.9	(19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-630243/2	JD1401a.D	04/14/2025	11:33
	IC 410-630243/3	JD1403.D	04/14/2025	12:03
	IC 410-630243/4	JD1404.D	04/14/2025	12:24
	IC 410-630243/5	JD1405.D	04/14/2025	12:46
	IC 410-630243/6	JD1406.D	04/14/2025	13:07
	IC 410-630243/7	JD1407.D	04/14/2025	13:28
	IC 410-630243/8	JD1408.D	04/14/2025	13:50
	IC 410-630243/9	JD1409.D	04/14/2025	14:11
	ICV 410-630243/12	JD1412.D	04/14/2025	15:15

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: JE0750b.D DFTPP Injection Date: 05/07/2025

Instrument ID: HP23264 DFTPP Injection Time: 23:19

Analysis Batch No.: 641051

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	43.6	
68	Less than 2% of mass 69	0.9	(1.5) 1
69	Mass 69 Relative abundance	58.1	
70	Less than 2% of mass 69	0.3	(0.6) 1
127	10-80% of Base Peak	50.4	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	7.4	
275	10-60% of Base Peak	24.0	
365	Greater than 1% of mass 198	3.6	
441	present but less than 24% of mass 442	20.1	(15.2) 2
442	Greater than 50% of mass 198	132.2	
443	15-24% of mass 442	25.6	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-641051/2	JE0751a.D	05/07/2025	23:49
	IC 410-641051/3	JE0752.D	05/08/2025	0:10
	IC 410-641051/4	JE0753.D	05/08/2025	0:31
	IC 410-641051/5	JE0754.D	05/08/2025	0:53
	IC 410-641051/6	JE0755.D	05/08/2025	1:14
	IC 410-641051/7	JE0756.D	05/08/2025	1:36
	IC 410-641051/8	JE0757.D	05/08/2025	1:57
	IC 410-641051/9	JE0758.D	05/08/2025	2:18
	ICV 410-641051/12	JE0761.D	05/08/2025	3:22

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: JF2550a.D DFTPP Injection Date: 06/25/2025

Instrument ID: HP23264 DFTPP Injection Time: 22:42

Analysis Batch No.: 663002

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	41.3	
68	Less than 2% of mass 69	1.0	(1.9) 1
69	Mass 69 Relative abundance	49.6	
70	Less than 2% of mass 69	0.3	(0.7) 1
127	10-80% of Base Peak	40.8	
197	Less than 2% of mass 198	0.6	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	24.3	
365	Greater than 1% of mass 198	3.0	
441	present but less than 24% of mass 442	13.2	(14.9) 2
442	Greater than 50% of mass 198	88.8	
443	15-24% of mass 442	17.6	(19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 410-663002/2	JF2551.D	06/25/2025	23:02
	IC 410-663002/3	JF2552.D	06/25/2025	23:30
	IC 410-663002/4	JF2553.D	06/25/2025	23:52
	IC 410-663002/5	JF2554.D	06/26/2025	0:13
	IC 410-663002/6	JF2555.D	06/26/2025	0:34
	IC 410-663002/7	JF2556.D	06/26/2025	0:56
	IC 410-663002/8	JF2557.D	06/26/2025	1:17
	IC 410-663002/9	JF2558.D	06/26/2025	1:38
	ICV 410-663002/12	JF2561.D	06/26/2025	2:43
	ICV 410-663002/14	JF2563.D	06/26/2025	3:26
	ICV 410-663002/15	JF2564.D	06/26/2025	3:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab File ID: HG0600.D DFTPP Injection Date: 08/06/2025

Instrument ID: HP23264 DFTPP Injection Time: 07:05

Analysis Batch No.: 681375

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	35.2	
68	Less than 2% of mass 69	0.3	(0.6) 1
69	Mass 69 Relative abundance	45.7	
70	Less than 2% of mass 69	0.1	(0.2) 1
127	10-80% of Base Peak	40.6	
197	Less than 2% of mass 198	0.9	
198	Base peak	100.0	
199	5-9% of mass 198	5.9	
275	10-60% of Base Peak	23.5	
365	Greater than 1% of mass 198	2.9	
441	present but less than 24% of mass 442	19.2	(16.0) 2
442	Greater than 50% of mass 198	120.2	
443	15-24% of mass 442	23.2	(19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-681375/2	HG0601.D	08/06/2025	7:51
	MB 410-681120/1-A	HG0611.D	08/06/2025	11:47
	LCS 410-681120/2-A	HG0612.D	08/06/2025	12:08
	LCSD 410-681120/3-A	HG0613.D	08/06/2025	12:28
16-2	410-234898-7	HG0631.D	08/06/2025	18:34
16-3	410-234898-8	HG0632.D	08/06/2025	18:54

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-662998/2 Date Analyzed: 06/25/2025 23:30

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF2551.D Heated Purge: (Y/N) N

Calibration ID: 74112

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		182383	3.93	653513	5.17	347333	6.83
UPPER LIMIT		364766	4.43	1307026	5.67	694666	7.33
LOWER LIMIT		91192	3.43	326757	4.67	173667	6.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-662998/12		216105	3.93	779479	5.16	405310	6.83
ICV 410-662998/14		165679	3.93	594632	5.16	311123	6.83
ICV 410-662998/15		159635	3.93	560977	5.16	290676	6.83
CCVIS 410-682464/2		215883	3.83	799840	5.07	471541	6.74

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-662998/2 Date Analyzed: 06/25/2025 23:30

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DF2551.D Heated Purge: (Y/N) N

Calibration ID: 74112

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		602020	8.24	600230	9.57	479703	12.52
UPPER LIMIT		1204040	8.74	1200460	10.07	959406	13.02
LOWER LIMIT		301010	7.74	300115	9.07	239852	12.02
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-662998/12		708255	8.23	696203	9.57	537213	12.52
ICV 410-662998/14		557393	8.23	532060	9.57	379808	12.52
ICV 410-662998/15		518284	8.23	497787	9.57	356152	12.52
CCVIS 410-682464/2		791260	8.14	805207	9.48	609848	12.37

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: CCVIS 410-682464/2 Date Analyzed: 08/07/2025 19:54

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DH0751.D Heated Purge: (Y/N) N

Calibration ID: 75026

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		215883	3.83	799840	5.07	471541	6.74
UPPER LIMIT		431766	4.33	1599680	5.57	943082	7.24
LOWER LIMIT		107942	3.33	399920	4.57	235771	6.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-234898-9	16-5	189055	3.83	718231	5.07	422186	6.74
410-234898-10	16WC2B	180293	3.83	667393	5.07	378793	6.74
410-234898-11	16SPRING	177796	3.83	671806	5.07	381577	6.74

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: CCVIS 410-682464/2 Date Analyzed: 08/07/2025 19:54

Instrument ID: HP19760 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): DH0751.D Heated Purge: (Y/N) N

Calibration ID: 75026

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		791260	8.14	805207	9.48	609848	12.37
UPPER LIMIT		1582520	8.64	1610414	9.98	1219696	12.87
LOWER LIMIT		395630	7.64	402604	8.98	304924	11.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
410-234898-9	16-5	730518	8.14	698896	9.47	477737	12.37
410-234898-10	16WC2B	674650	8.14	662331	9.47	479094	12.37
410-234898-11	16SPRING	692063	8.14	657392	9.47	464014	12.37

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-630243/2 Date Analyzed: 04/14/2025 11:33

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JD1401a.D Heated Purge: (Y/N) N

Calibration ID: 71724

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		181020	4.44	677126	5.66	398829	7.34
UPPER LIMIT		362040	4.94	1354252	6.16	797658	7.84
LOWER LIMIT		90510	3.94	338563	5.16	199415	6.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-630243/12		151922	4.44	532113	5.66	322490	7.33

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-630243/2 Date Analyzed: 04/14/2025 11:33

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JD1401a.D Heated Purge: (Y/N) N

Calibration ID: 71724

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		732664	8.75	750133	10.11	678187	13.37
UPPER LIMIT		1465328	9.25	1500266	10.61	1356374	13.87
LOWER LIMIT		366332	8.25	375067	9.61	339094	12.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-630243/12		595736	8.75	639717	10.10	581169	13.36

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-641051/2 Date Analyzed: 05/07/2025 23:49

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JE0751a.D Heated Purge: (Y/N) N

Calibration ID: 72461

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		206113	4.34	831564	5.56	463358	7.23
UPPER LIMIT		412226	4.84	1663128	6.06	926716	7.73
LOWER LIMIT		103057	3.84	415782	5.06	231679	6.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-641051/12		156224	4.33	632334	5.55	344580	7.23

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-641051/2 Date Analyzed: 05/07/2025 23:49

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JE0751a.D Heated Purge: (Y/N) N

Calibration ID: 72461

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		806658	8.64	870930	9.99	867161	13.20
UPPER LIMIT		1613316	9.14	1741860	10.49	1734322	13.70
LOWER LIMIT		403329	8.14	435465	9.49	433581	12.70
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-641051/12		692881	8.64	735873	9.99	757750	13.19

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-663002/2 Date Analyzed: 06/25/2025 23:02

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JF2551.D Heated Purge: (Y/N) N

Calibration ID: 74121

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		192866	4.00	625703	5.23	372785	6.91
UPPER LIMIT		385732	4.50	1251406	5.73	745570	7.41
LOWER LIMIT		96433	3.50	312852	4.73	186393	6.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-663002/12		178528	4.00	643974	5.23	385493	6.90
ICV 410-663002/14		170271	4.00	535841	5.23	324960	6.90
ICV 410-663002/15		155106	4.00	499040	5.23	310150	6.90
CCVIS 410-681375/2		167230	3.89	569696	5.13	325575	6.81

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: ICIS 410-663002/2 Date Analyzed: 06/25/2025 23:02

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): JF2551.D Heated Purge: (Y/N) N

Calibration ID: 74121

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		667007	8.32	725580	9.65	513065	12.65
UPPER LIMIT		1334014	8.82	1451160	10.15	1026130	13.15
LOWER LIMIT		333504	7.82	362790	9.15	256533	12.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-663002/12		725649	8.31	786341	9.65	594225	12.64
ICV 410-663002/14		622050	8.31	663563	9.65	438006	12.64
ICV 410-663002/15		581109	8.31	606093	9.65	432511	12.64
CCVIS 410-681375/2		605268	8.22	644382	9.55	539631	12.51

PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: CCVIS 410-681375/2 Date Analyzed: 08/06/2025 07:51

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HG0601.D Heated Purge: (Y/N) N

Calibration ID: 75126

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		167230	3.89	569696	5.13	325575	6.81
UPPER LIMIT		334460	4.39	1139392	5.63	651150	7.31
LOWER LIMIT		83615	3.39	284848	4.63	162788	6.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-681120/1-A		110599	3.89	401849	5.13	230496	6.81
LCS 410-681120/2-A		111327	3.89	406618	5.13	233748	6.81
LCSD 410-681120/3-A		114155	3.89	382874	5.13	250693	6.81
410-234898-7	16-2	110572	3.88	396341	5.13	230015	6.81
410-234898-8	16-3	120744	3.89	421017	5.13	234815	6.80

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Sample No.: CCVIS 410-681375/2 Date Analyzed: 08/06/2025 07:51

Instrument ID: HP23264 GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

Lab File ID (Standard): HG0601.D Heated Purge: (Y/N) N

Calibration ID: 75126

		PHN		PYR10		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		605268	8.22	644382	9.55	539631	12.51
UPPER LIMIT		1210536	8.72	1288764	10.05	1079262	13.01
LOWER LIMIT		302634	7.72	322191	9.05	269816	12.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-681120/1-A		441022	8.21	481661	9.55	382450	12.50
LCS 410-681120/2-A		430146	8.21	455702	9.55	379330	12.50
LCSD 410-681120/3-A		434407	8.21	474431	9.55	367333	12.50
410-234898-7	16-2	448142	8.21	472169	9.55	379410	12.50
410-234898-8	16-3	461031	8.21	514665	9.55	397078	12.50

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
PYR10 = Pyrene-d10 (IS)

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16-2
Lab Sample ID: 410-234898-7

Matrix: Water
Lab File ID: HG0631.D

Analysis Method: 8270E
Date Collected: 07/29/2025 10:40

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 249.7(mL)
Date Analyzed: 08/06/2025 18:34

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
121-14-2	2,4-Dinitrotoluene	ND		10	
606-20-2	2,6-Dinitrotoluene	ND		10	
84-66-2	Diethyl phthalate	ND		5.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	86		13-134
321-60-8	2-Fluorobiphenyl (Surr)	85		45-120
367-12-4	2-Fluorophenol (Surr)	49		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	70		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	102		26-123
4165-62-2	Phenol-d5 (Surr)	36		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0631.D				
Lims ID:	410-234898-F-7-A				
Client ID:	16-2				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 18:34:30	ALS Bottle#:	28	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-F-7-A				
Misc. Info.:	410-0155656-027				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Aug-2025 20:43:57	Calib Date:	29-Jul-2025 09:43:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				
First Level Reviewer: RN6U		Date:	06-Aug-2025 20:43:17		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.641	2.631	0.006	92	328711	12.2	
$ 15 Phenol-d5	99	3.569	3.558	0.006	95	365939	9.05	
* 22 1,4-Dichlorobenzene-d4	152	3.884	3.890	-0.006	97	110572	5.00	
$ 39 Nitrobenzene-d5	82	4.439	4.440	-0.006	88	830443	17.6	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	99	396341	5.00	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.180	-0.006	99	1382114	21.2	
92 2,6-Dinitrotoluene	165		6.646				ND	U
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	93	230015	5.00	
102 2,4-Dinitrotoluene	165		7.026				ND	7
107 Diethyl phthalate	149		7.265				ND	7
$ 116 2,4,6-Tribromophenol	330	7.563	7.562	-0.006	93	235461	21.5	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	448142	5.00	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	472169	5.00	
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1629442	25.6	
* 167 Perylene-d12	264	12.497	12.509	-0.012	98	379410	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

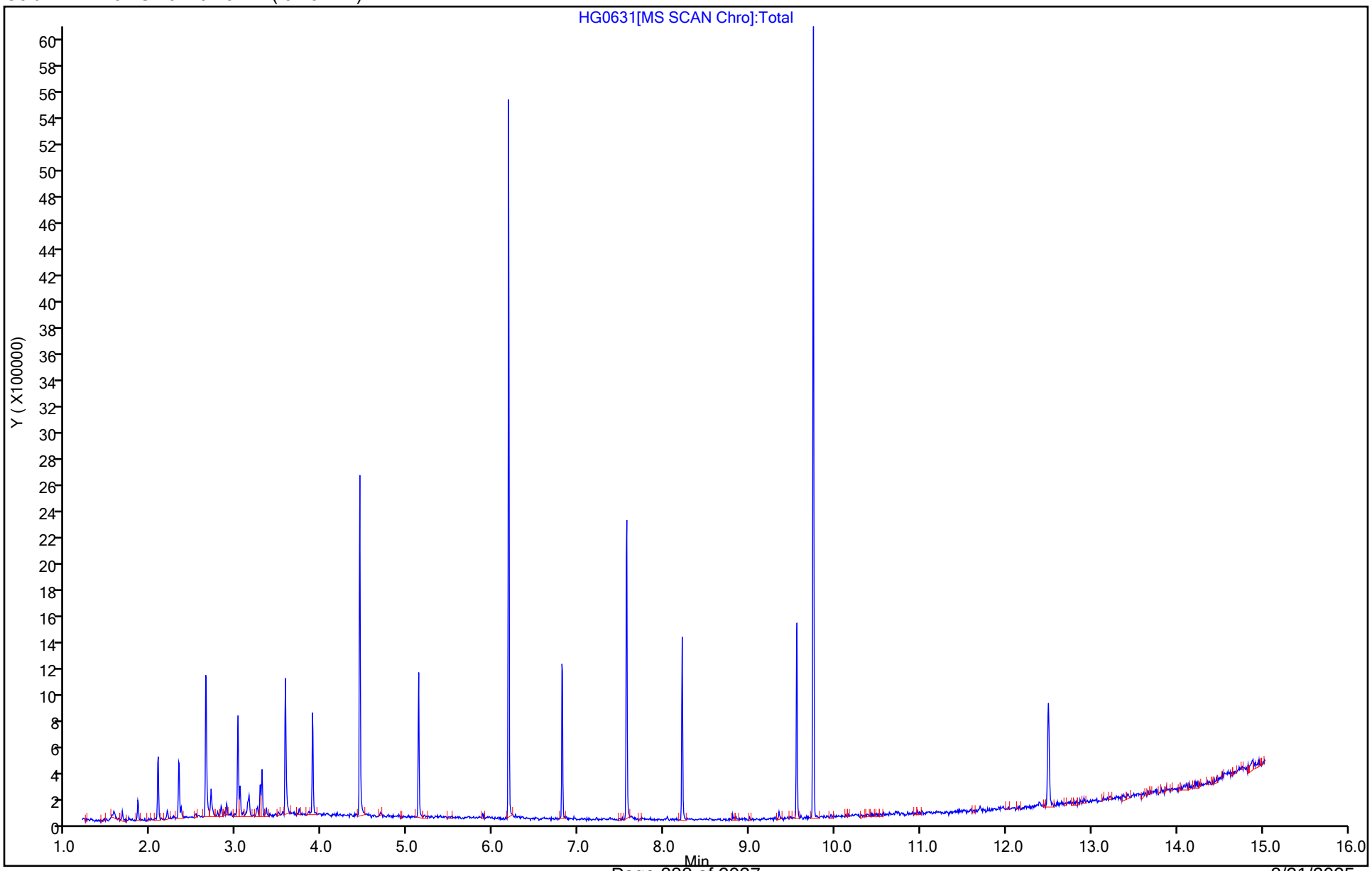
MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Aug-2025 20:45:32 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0631.D				
Injection Date:	06-Aug-2025 18:34:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-F-7-A	Lab Sample ID:	410-234898-7	Worklist Smp#:	27
Client ID:	16-2				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0631.D				
Lims ID:	410-234898-F-7-A				
Client ID:	16-2				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 18:34:30	ALS Bottle#:	28	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-F-7-A				
Misc. Info.:	410-0155656-027				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Aug-2025 20:43:57	Calib Date:	29-Jul-2025 09:43:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: RN6U Date: 06-Aug-2025 20:43:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	12.2	48.71
$ 15 Phenol-d5	25.0	9.05	36.19
$ 39 Nitrobenzene-d5	25.0	17.6	70.25
$ 81 2-Fluorobiphenyl (Surr)	25.0	21.2	84.64
$ 116 2,4,6-Tribromophenol	25.0	21.5	86.04
$ 148 p-Terphenyl-d14	25.0	25.6	102.29

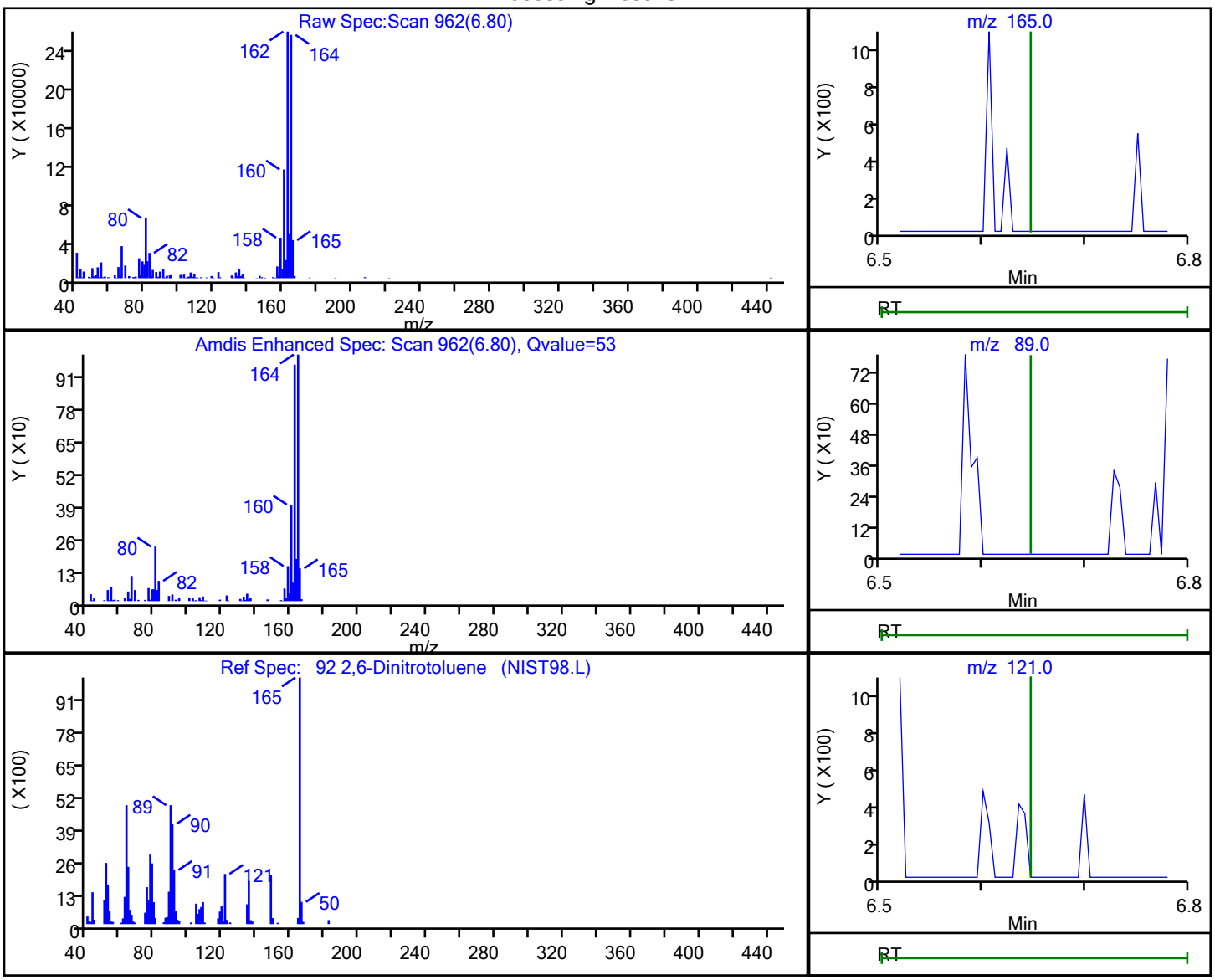
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0631.D				
Injection Date:	06-Aug-2025 18:34:30	Instrument ID:	HP23264		
Lims ID:	410-234898-F-7-A	Lab Sample ID:	410-234898-7		
Client ID:	16-2				
Operator ID:	CJS101602	ALS Bottle#:	28	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.80	165.00	29982	2.125317
6.79	89.00	1545	
6.65	121.00	0	
6.82	63.00	146	

Reviewer: RN6U, 06-Aug-2025 20:43:12 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16-3
Lab Sample ID: 410-234898-8

Matrix: Water
Lab File ID: HG0632.D

Analysis Method: 8270E
Date Collected: 07/29/2025 12:35

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 245.2(mL)
Date Analyzed: 08/06/2025 18:54

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
121-14-2	2,4-Dinitrotoluene	ND		10	
606-20-2	2,6-Dinitrotoluene	ND		10	
84-66-2	Diethyl phthalate	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		13-134
321-60-8	2-Fluorobiphenyl (Surr)	85		45-120
367-12-4	2-Fluorophenol (Surr)	48		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	66		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	102		26-123
4165-62-2	Phenol-d5 (Surr)	30		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0632.D
Lims ID: 410-234898-F-8-A
Client ID: 16-3
Sample Type: Client
Inject. Date: 06-Aug-2025 18:54:30 ALS Bottle#: 29 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-F-8-A
Misc. Info.: 410-0155656-028
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 20:43:57 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 20:43:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 9 2-Fluorophenol	112	2.641	2.631	0.006	93	354636	12.0	
$ 15 Phenol-d5	99	3.569	3.558	0.006	95	335185	7.59	
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	95	120744	5.00	
$ 39 Nitrobenzene-d5	82	4.439	4.440	-0.006	88	822652	16.4	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	100	421017	5.00	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.180	-0.006	100	1424866	21.4	
92 2,6-Dinitrotoluene	165		6.646				ND	U
* 96 Acenaphthene-d10	164	6.804	6.810	-0.006	96	234815	5.00	
102 2,4-Dinitrotoluene	165		7.026				ND	7
107 Diethyl phthalate	149		7.265				ND	7
$ 116 2,4,6-Tribromophenol	330	7.563	7.562	-0.006	92	231940	20.8	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	98	461031	5.00	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	514665	5.00	
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1770445	25.5	
* 167 Perylene-d12	264	12.497	12.509	-0.012	99	397078	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

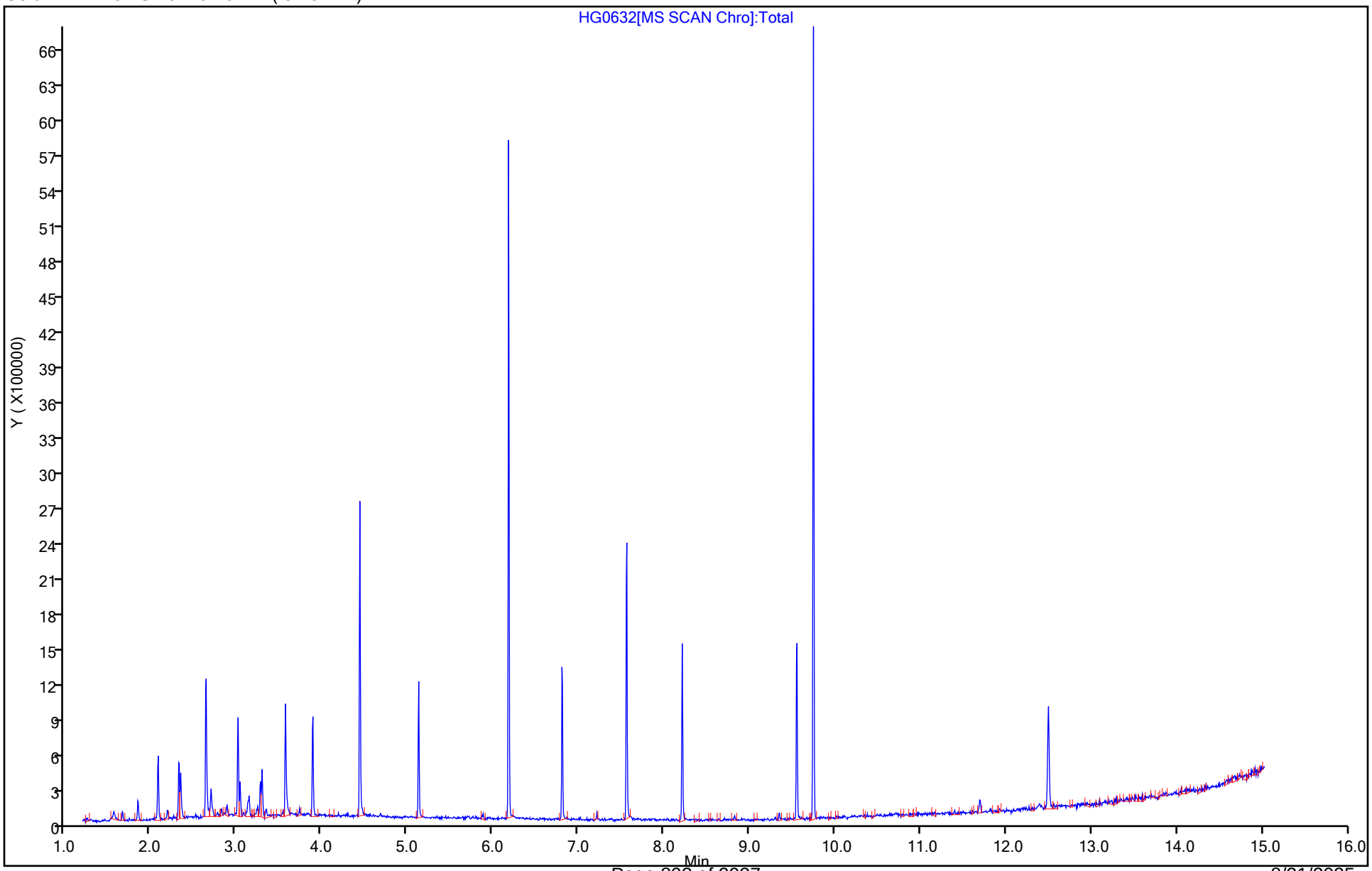
MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 06-Aug-2025 20:45:34 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0632.D				
Injection Date:	06-Aug-2025 18:54:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	410-234898-F-8-A	Lab Sample ID:	410-234898-8	Worklist Smp#:	28
Client ID:	16-3				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0632.D				
Lims ID:	410-234898-F-8-A				
Client ID:	16-3				
Sample Type:	Client				
Inject. Date:	06-Aug-2025 18:54:30	ALS Bottle#:	29	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-F-8-A				
Misc. Info.:	410-0155656-028				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Aug-2025 20:43:57	Calib Date:	29-Jul-2025 09:43:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: RN6U Date: 06-Aug-2025 20:43:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	12.0	48.12
$ 15 Phenol-d5	25.0	7.59	30.35
$ 39 Nitrobenzene-d5	25.0	16.4	65.52
$ 81 2-Fluorobiphenyl (Surr)	25.0	21.4	85.47
$ 116 2,4,6-Tribromophenol	25.0	20.8	83.02
$ 148 p-Terphenyl-d14	25.0	25.5	101.96

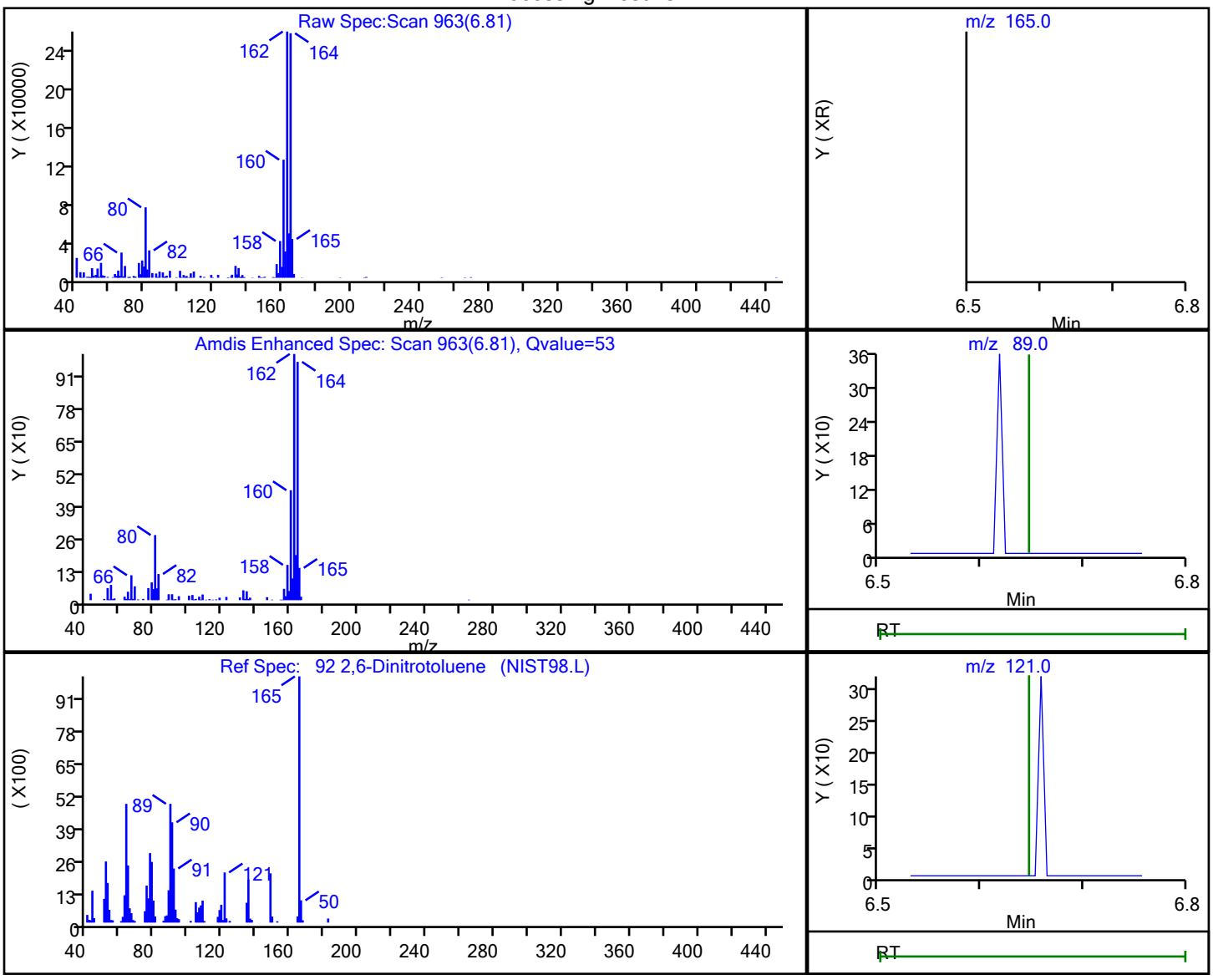
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0632.D				
Injection Date:	06-Aug-2025 18:54:30	Instrument ID:	HP23264		
Lims ID:	410-234898-F-8-A	Lab Sample ID:	410-234898-8		
Client ID:	16-3				
Operator ID:	CJS101602	ALS Bottle#:	29	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.81	165.00	30030	2.085206
6.80	89.00	719	
6.80	121.00	158	
6.80	63.00	2310	

Reviewer: RN6U, 06-Aug-2025 20:43:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16-5
Lab Sample ID: 410-234898-9

Matrix: Water
Lab File ID: DH0757.D

Analysis Method: 8270E
Date Collected: 07/29/2025 08:55

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 246.2(mL)
Date Analyzed: 08/07/2025 22:36

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682464
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
121-14-2	2,4-Dinitrotoluene	ND		10	
606-20-2	2,6-Dinitrotoluene	ND		10	
84-66-2	Diethyl phthalate	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	87		13-134
321-60-8	2-Fluorobiphenyl (Surr)	79		45-120
367-12-4	2-Fluorophenol (Surr)	46		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	84		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	99		26-123
4165-62-2	Phenol-d5 (Surr)	35		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0757.D
Lims ID: 410-234898-F-9-A
Client ID: 16-5
Sample Type: Client
Inject. Date: 07-Aug-2025 22:36:03 ALS Bottle#: 7 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-F-9-A
Misc. Info.: 410-0155901-008
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Aug-2025 15:58:54 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1608

First Level Reviewer: W6ZA Date: 08-Aug-2025 15:39:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.579	2.579	0.000	94	574097	11.6	
$ 16 Phenol-d5	99	3.488	3.488	0.000	96	590910	8.71	
* 22 1,4-Dichlorobenzene-d4	152	3.832	3.832	0.000	96	189055	5.00	
$ 39 Nitrobenzene-d5	82	4.374	4.421	-0.006	88	1276565	21.1	
* 50 Naphthalene-d8	136	5.068	5.068	0.000	100	718231	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.117	0.000	100	2344264	19.8	
87 2,6-Dinitrotoluene	165		6.566				ND	7
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	94	422186	5.00	
95 2,4-Dinitrotoluene	165		6.945				ND	
100 Diethyl phthalate	149		7.189				ND	
$ 109 2,4,6-Tribromophenol	330	7.487	7.492	-0.005	93	372025	21.8	
* 126 Phenanthrene-d10	188	8.140	8.140	0.000	97	730518	5.00	
* 149 Pyrene-d10 (IS)	212	9.474	9.480	-0.006	99	698896	5.00	
$ 152 p-Terphenyl-d14	244	9.667	9.666	-0.005	98	2662689	24.8	
* 170 Perylene-d12	264	12.365	12.371	-0.006	98	477737	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

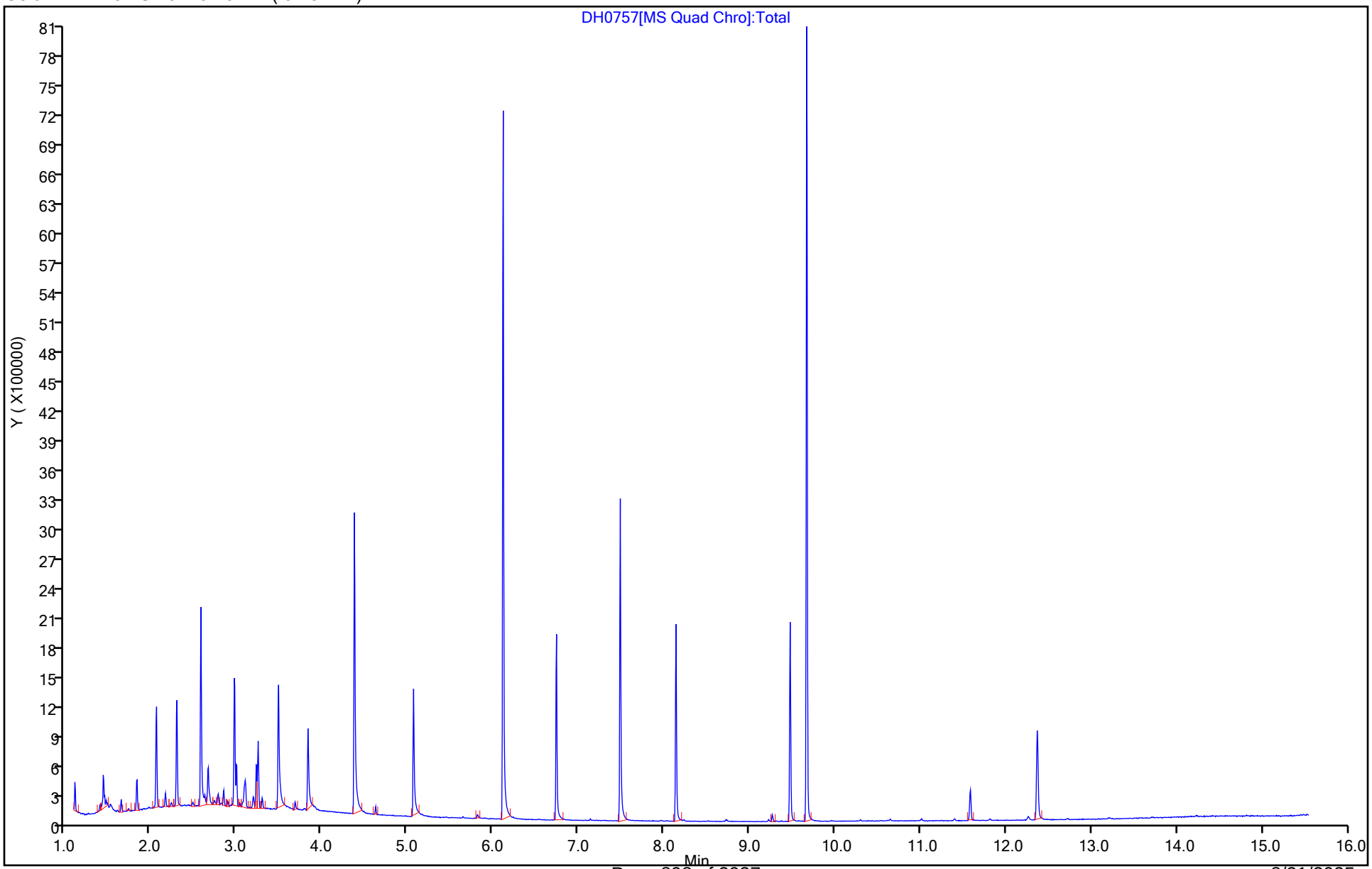
Report Date: 08-Aug-2025 15:59:28 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0757.D

Injection Date:	07-Aug-2025 22:36:03	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	410-234898-F-9-A	Lab Sample ID:	410-234898-9	Worklist Smp#:	8
Client ID:	16-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0757.D				
Lims ID:	410-234898-F-9-A				
Client ID:	16-5				
Sample Type:	Client				
Inject. Date:	07-Aug-2025 22:36:03	ALS Bottle#:	7	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-F-9-A				
Misc. Info.:	410-0155901-008				
Operator ID:	EEA115318	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	08-Aug-2025 15:58:54	Calib Date:	23-Jul-2025 10:39:28		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1608				
First Level Reviewer: W6ZA		Date:	08-Aug-2025 15:39:00		

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	11.6	46.49
$ 16 Phenol-d5	25.0	8.71	34.85
$ 39 Nitrobenzene-d5	25.0	21.1	84.32
$ 73 2-Fluorobiphenyl (Surr)	25.0	19.8	79.14
$ 109 2,4,6-Tribromophenol	25.0	21.8	87.35
$ 152 p-Terphenyl-d14	25.0	24.8	99.12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16WC2B
Lab Sample ID: 410-234898-10

Matrix: Water
Lab File ID: DH0758.D

Analysis Method: 8270E
Date Collected: 07/29/2025 09:55

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 246.7(mL)
Date Analyzed: 08/07/2025 22:57

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682464
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
121-14-2	2,4-Dinitrotoluene	ND		10	
606-20-2	2,6-Dinitrotoluene	ND		10	
84-66-2	Diethyl phthalate	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		13-134
321-60-8	2-Fluorobiphenyl (Surr)	79		45-120
367-12-4	2-Fluorophenol (Surr)	41		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	82		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	101		26-123
4165-62-2	Phenol-d5 (Surr)	31		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0758.D
Lims ID: 410-234898-E-10-A
Client ID: 16WC2B
Sample Type: Client
Inject. Date: 07-Aug-2025 22:57:03 ALS Bottle#: 8 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-E-10-A
Misc. Info.: 410-0155901-009
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Aug-2025 15:58:54 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1608

First Level Reviewer: W6ZA Date: 08-Aug-2025 15:39:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.579	2.579	0.000	94	483378	10.3	
$ 16 Phenol-d5	99	3.488	3.488	0.000	96	495738	7.66	
* 22 1,4-Dichlorobenzene-d4	152	3.832	3.832	0.000	96	180293	5.00	
$ 39 Nitrobenzene-d5	82	4.374	4.421	-0.006	88	1151690	20.5	
* 50 Naphthalene-d8	136	5.068	5.068	0.000	100	667393	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.117	0.000	100	2111053	19.9	
87 2,6-Dinitrotoluene	165		6.566				ND	U
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	94	378793	5.00	
95 2,4-Dinitrotoluene	165		6.945				ND	7
100 Diethyl phthalate	149		7.189				ND	7
$ 109 2,4,6-Tribromophenol	330	7.487	7.492	-0.005	93	336430	22.0	
* 126 Phenanthrene-d10	188	8.140	8.140	0.000	97	674650	5.00	
* 149 Pyrene-d10 (IS)	212	9.474	9.480	-0.006	99	662331	5.00	
$ 152 p-Terphenyl-d14	244	9.673	9.666	0.001	98	2567913	25.2	
* 170 Perylene-d12	264	12.371	12.371	0.000	98	479094	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

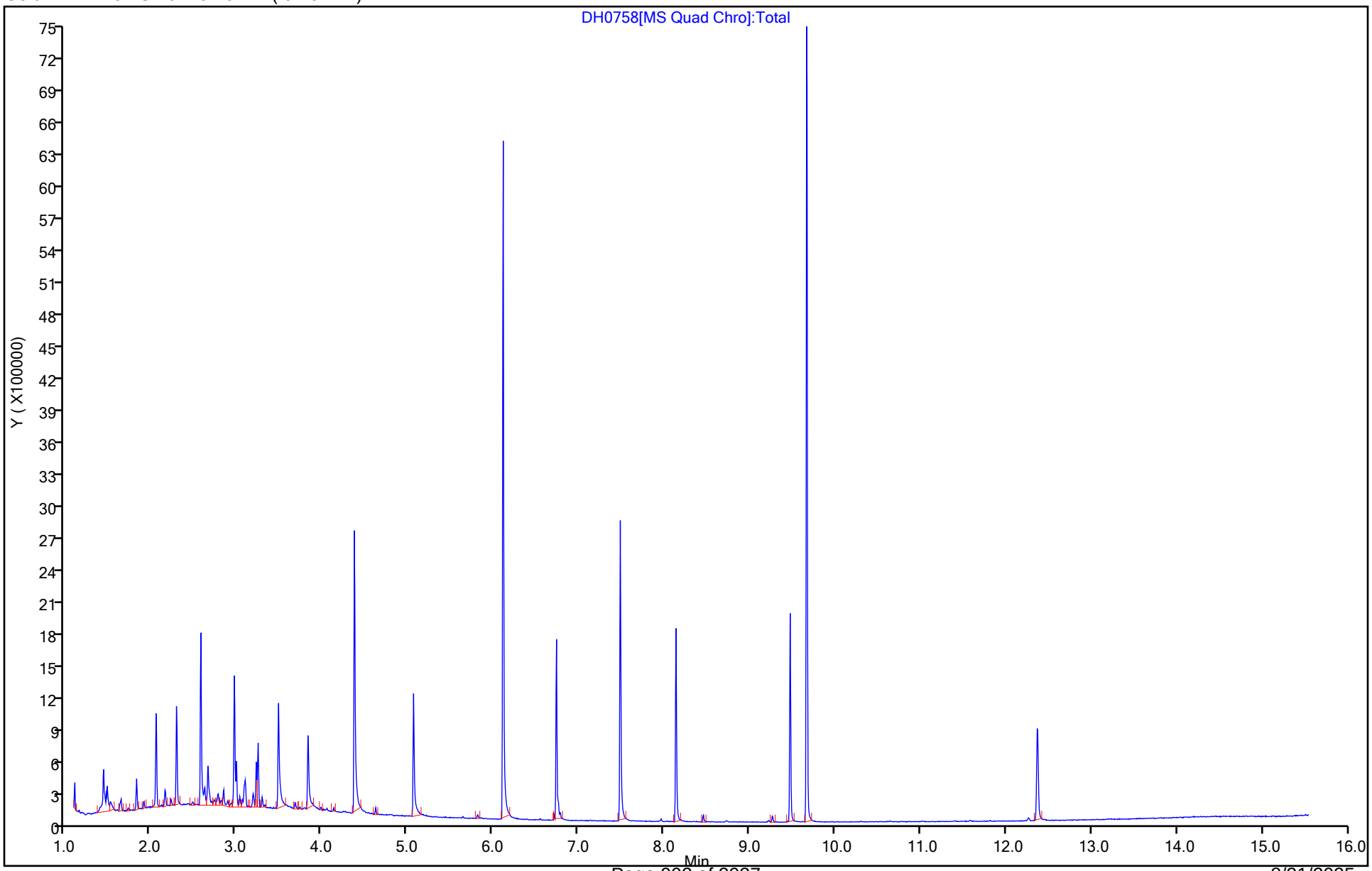
Report Date: 08-Aug-2025 15:59:31 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0758.D

Injection Date:	07-Aug-2025 22:57:03	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	410-234898-E-10-A	Lab Sample ID:	410-234898-10	Worklist Smp#:	9
Client ID:	16WC2B				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0758.D				
Lims ID:	410-234898-E-10-A				
Client ID:	16WC2B				
Sample Type:	Client				
Inject. Date:	07-Aug-2025 22:57:03	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-E-10-A				
Misc. Info.:	410-0155901-009				
Operator ID:	EEA115318	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	08-Aug-2025 15:58:54	Calib Date:	23-Jul-2025 10:39:28		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1608				

First Level Reviewer: W6ZA Date: 08-Aug-2025 15:39:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	10.3	41.05
$ 16 Phenol-d5	25.0	7.66	30.65
$ 39 Nitrobenzene-d5	25.0	20.5	81.87
$ 73 2-Fluorobiphenyl (Surr)	25.0	19.9	79.43
$ 109 2,4,6-Tribromophenol	25.0	22.0	88.04
$ 152 p-Terphenyl-d14	25.0	25.2	100.86

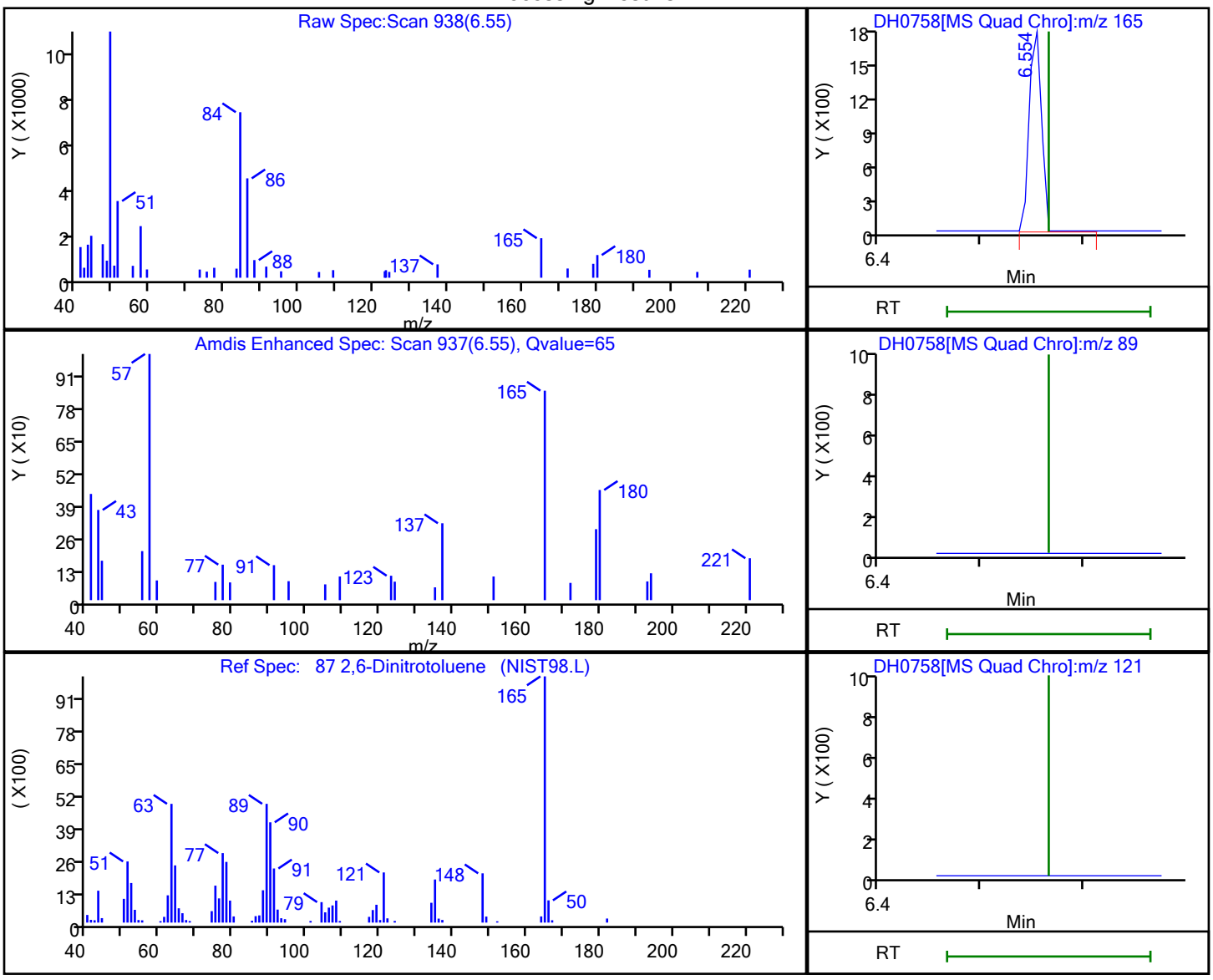
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0758.D				
Injection Date:	07-Aug-2025 22:57:03	Instrument ID:	HP19760		
Lims ID:	410-234898-E-10-A	Lab Sample ID:	410-234898-10		
Client ID:	16WC2B				
Operator ID:	EEA115318	ALS Bottle#:	8	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

87 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.55	165.00	1450	0.066176
6.57	89.00	0	
6.57	121.00	0	
6.57	63.00	0	

Reviewer: W6ZA, 08-Aug-2025 15:39:23 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID: 16SPRING
Lab Sample ID: 410-234898-11

Matrix: Water
Lab File ID: DH0759.D

Analysis Method: 8270E
Date Collected: 07/29/2025 09:10

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 247(mL)
Date Analyzed: 08/07/2025 23:17

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 682464
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP19760

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
121-14-2	2,4-Dinitrotoluene	ND		10	
606-20-2	2,6-Dinitrotoluene	ND		10	
84-66-2	Diethyl phthalate	ND		5.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	83		13-134
321-60-8	2-Fluorobiphenyl (Surr)	79		45-120
367-12-4	2-Fluorophenol (Surr)	41		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	81		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	96		26-123
4165-62-2	Phenol-d5 (Surr)	30		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0759.D
Lims ID: 410-234898-E-11-A
Client ID: 16SPRING
Sample Type: Client
Inject. Date: 07-Aug-2025 23:17:56 ALS Bottle#: 9 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-234898-E-11-A
Misc. Info.: 410-0155901-010
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-Aug-2025 15:58:54 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1608

First Level Reviewer: W6ZA Date: 08-Aug-2025 15:39:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 10 2-Fluorophenol	112	2.579	2.579	0.000	94	475636	10.2	
$ 16 Phenol-d5	99	3.488	3.488	0.000	97	471276	7.39	
* 22 1,4-Dichlorobenzene-d4	152	3.832	3.832	0.000	97	177796	5.00	
$ 39 Nitrobenzene-d5	82	4.374	4.421	-0.006	88	1149402	20.3	
* 50 Naphthalene-d8	136	5.068	5.068	0.000	99	671806	5.00	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.117	0.000	100	2120710	19.8	
87 2,6-Dinitrotoluene	165		6.566				ND	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	93	381577	5.00	
95 2,4-Dinitrotoluene	165		6.945				ND	7
100 Diethyl phthalate	149		7.189				ND	7
$ 109 2,4,6-Tribromophenol	330	7.487	7.492	-0.005	93	318736	20.7	
* 126 Phenanthrene-d10	188	8.139	8.140	-0.001	97	692063	5.00	
* 149 Pyrene-d10 (IS)	212	9.474	9.480	-0.006	99	657392	5.00	
$ 152 p-Terphenyl-d14	244	9.667	9.666	-0.005	98	2425901	24.0	
* 170 Perylene-d12	264	12.365	12.371	-0.006	98	464014	5.00	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

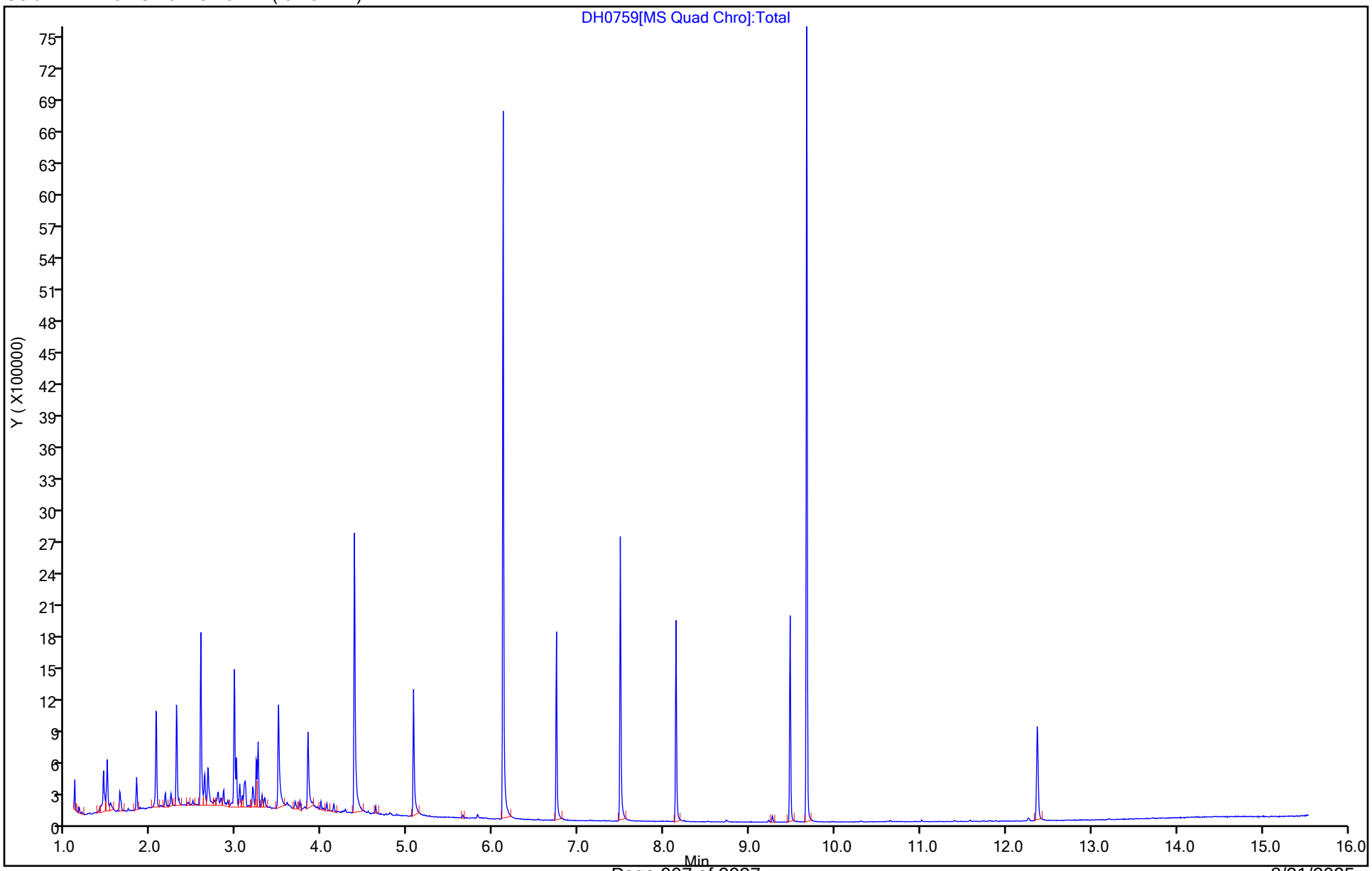
MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 08-Aug-2025 15:59:35 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0759.D				
Injection Date:	07-Aug-2025 23:17:56	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	410-234898-E-11-A	Lab Sample ID:	410-234898-11	Worklist Smp#:	10
Client ID:	16SPRING				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0759.D				
Lims ID:	410-234898-E-11-A				
Client ID:	16SPRING				
Sample Type:	Client				
Inject. Date:	07-Aug-2025 23:17:56	ALS Bottle#:	9	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-234898-E-11-A				
Misc. Info.:	410-0155901-010				
Operator ID:	EEA115318	Instrument ID:	HP19760		
Method:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	08-Aug-2025 15:58:54	Calib Date:	23-Jul-2025 10:39:28		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1608				

First Level Reviewer: W6ZA Date: 08-Aug-2025 15:39:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 10 2-Fluorophenol	25.0	10.2	40.96
$ 16 Phenol-d5	25.0	7.39	29.55
$ 39 Nitrobenzene-d5	25.0	20.3	81.17
$ 73 2-Fluorobiphenyl (Surr)	25.0	19.8	79.21
$ 109 2,4,6-Tribromophenol	25.0	20.7	82.80
$ 152 p-Terphenyl-d14	25.0	24.0	96.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-662998/9	DF2558.D
Level 2	IC 410-662998/8	DF2557.D
Level 3	IC 410-662998/7	DF2556.D
Level 4	IC 410-662998/6	DF2555.D
Level 5	IC 410-662998/5	DF2554.D
Level 6	ICIS 410-662998/2	DF2551.D
Level 7	IC 410-662998/4	DF2553.D
Level 8	IC 410-662998/3	DF2552.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.5395	+++++ 0.5131	0.6343 0.5576	0.5448	0.5265	Ave		0.5526				7.8		20.0			
N-Nitrosodimethylamine	0.6548 0.8201	0.7877 0.8123	0.7639 0.8722	0.7837	0.8283	Ave		0.7904				8.1		20.0			
Pyridine	1.2895 1.3711	1.4263 1.3584	1.4155 1.5065	1.3898	1.4222	Ave		1.3974				4.5		20.0			
N,N-dimethylformamide	0.6390 0.8690	0.8686 0.9516	0.8540 1.0212	0.7817	0.8731	Ave		0.8573				13.2		20.0			
2-Picoline	1.5083 1.5961	1.5595 1.5723	1.5737 1.7089	1.5760	1.6028	Ave		1.5872				3.6		20.0			
N-Nitrosomethylethylamine	+++++ 0.6758	+++++ 0.6725	0.7538 0.7183	0.7017	0.6812	Ave		0.7005				4.5		20.0			
Methyl methanesulfonate	0.8052 0.8167	0.7500 0.8086	0.8043 0.8769	0.8200	0.8094	Ave		0.8114				4.2		20.0			
N-Nitrosodiethylamine	0.6921 0.6943	0.6785 0.7033	0.6896 0.7490	0.7059	0.6778	Ave		0.6988				3.2		20.0			
Ethyl methanesulfonate	0.7865 0.7723	0.6957 0.7532	0.7606 0.8142	0.7593	0.7585	Ave		0.7625				4.4		20.0			
Benzaldehyde	1.2790 1.2334	1.2145 1.2015	1.3402 1.1391	1.2186	1.2221	Ave		1.2310			0.0100	4.8		20.0			
Phenol	2.1185 2.0208	1.9218 2.0013	1.9658 2.1212	2.0263	2.0322	Ave		2.0260			0.8000	3.4		20.0			
Aniline	2.3688 2.4357	2.3306 2.3687	2.3145 2.5307	2.4240	2.4180	Ave		2.3989				2.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.4520 1.4622	1.4724 1.4173	1.4866 1.5077	1.4707	1.4658	Ave		1.4668			0.7000	1.8		20.0			
2-Chlorophenol	1.1251 1.3599	1.2933 1.3368	1.3071 1.4274	1.3369	1.3740	Ave		1.3201			0.8000	6.7		20.0			
1,3-Dichlorobenzene	1.4610 1.4643	1.6594 1.4287	1.4582 1.5450	1.5095	1.4620	Ave		1.4985				5.0		20.0			
1,4-Dichlorobenzene	1.4167 1.4864	1.4346 1.4459	1.5181 1.5599	1.5154	1.4900	Ave		1.4834				3.3		20.0			
Benzyl alcohol	0.7833 0.9471	0.8714 0.9334	0.8729 1.0018	0.9125	0.9624	Ave		0.9106				7.4		20.0			
1,2-Dichlorobenzene	1.4732 1.3958	1.4710 1.3774	1.4047 1.4628	1.4051	1.3873	Ave		1.4222				2.8		20.0			
2-Methylphenol	1.2692 1.2939	1.0758 1.2742	1.2207 1.3767	1.2728	1.2846	Ave		1.2585			0.7000	6.8		20.0			
2,2'-oxybis[1-chloropropane]	1.2901 1.3125	1.3725 1.2778	1.3105 1.3504	1.3323	1.3183	Ave		1.3205			0.0100	2.3		20.0			
N-Nitrosopyrrolidine	0.6731 0.7526	0.6965 0.7653	0.7407 0.8076	0.7484	0.7402	Ave		0.7406				5.5		20.0			
Acetophenone	2.3113 2.0750	2.0142 2.0170	2.0800 2.1550	2.0965	2.0671	Ave		2.1020			0.0100	4.5		20.0			
N-Nitrosodi-n-propylamine	1.0392 1.0333	0.9464 1.0043	1.0007 1.0793	1.0565	1.0322	Ave		1.0240			0.5000	3.9		20.0			
3,4-Methylphenol	1.3620 1.4855	1.3097 1.4584	1.4499 1.5278	1.5114	1.5151	Ave		1.4525			0.6000	5.4		20.0			
N-Nitrosomorpholine	0.8486 0.7451	0.7523 0.7278	0.7452 0.7671	0.7580	0.7600	Ave		0.7630				4.8		20.0			
2-Toluidine	1.9924 2.2868	2.2521 2.2373	2.3818 2.3594	2.3495	2.3169	Ave		2.2720				5.5		20.0			
Hexachloroethane	0.6516 0.6159	0.6271 0.6015	0.6114 0.6561	0.5985	0.6280	Ave		0.6238			0.3000	3.4		20.0			
Nitrobenzene	0.4091 0.4178	0.4127 0.4003	0.4036 0.4313	0.4152	0.4171	Ave		0.4134			0.2000	2.3		20.0			
N-Nitrosopiperidine	0.1989 0.1907	0.1646 0.1862	0.1863 0.2039	0.1828	0.1900	Ave		0.1879				6.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	0.6726 0.7602	0.6798 0.7386	0.7096 0.7954	0.7320	0.7611	Ave		0.7311			0.4000	5.8		20.0			
2-Nitrophenol	0.1233 0.1925	0.1763 0.1890	0.1803 0.2076	0.1797	0.1891	Ave		0.1797			0.1000	13.8		20.0			
2,4-Dimethylphenol	0.3683 0.4057	0.3528 0.3938	0.3780 0.4226	0.3920	0.4048	Ave		0.3897			0.2000	5.8		20.0			
o,o',o''-Triethylphosphorothioate	0.1912 0.1774	0.1638 0.1734	0.1818 0.1885	0.1799	0.1765	Ave		0.1791				4.8		20.0			
Bis(2-chloroethoxy)methane	0.4986 0.4798	0.5008 0.4550	0.4571 0.5028	0.4693	0.4832	Ave		0.4808			0.3000	4.0		20.0			
2,4-Dichlorophenol	0.2529 0.2946	0.2674 0.2848	0.2603 0.3160	0.2805	0.2925	Ave		0.2811			0.2000	7.3		20.0			
1,2,4-Trichlorobenzene	0.3050 0.3193	0.3216 0.3100	0.3265 0.3351	0.3147	0.3232	Ave		0.3194				3.0		20.0			
Naphthalene	1.1188 1.0475	1.1605 1.0130	1.0574 1.0879	1.0485	1.0597	Ave		1.0742			0.7000	4.3		20.0			
a-Terpineol	0.2537 0.2665	0.2411 0.2552	0.2582 0.2802	0.2563	0.2632	Ave		0.2593				4.4		20.0			
4-Chloroaniline	0.3636 0.4439	0.4098 0.4232	0.4255 0.4605	0.4218	0.4413	Ave		0.4237			0.0100	6.8		20.0			
2,6-Dichlorophenol	0.2699 0.2850	0.2596 0.2765	0.2683 0.3002	0.2793	0.2869	Ave		0.2782				4.6		20.0			
Hexachloropropene	0.2326 0.2314	0.2001 0.2308	0.2289 0.2480	0.2306	0.2338	Ave		0.2295				5.8		20.0			
Hexachlorobutadiene	0.1891 0.1891	0.1804 0.1831	0.1893 0.1995	0.1825	0.1936	Ave		0.1883			0.0100	3.4		20.0			
Quinoline	0.7166 0.6924	0.6547 0.6727	0.7166 0.7232	0.6765	0.6935	Ave		0.6933				3.5		20.0			
Caprolactam	+++++ 0.1089	0.0878 0.1072	0.0950 0.1097	0.0977	0.1051	Ave		0.1016			0.0100	8.2		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.3510	0.4253 0.3430	0.3285 0.3676	0.2903	0.2805	Ave		0.3409				14.3		20.0			
1,4-phenylenediamine	+++++ 0.3919	0.2582 0.3859	0.3456 0.4041	0.3717	0.3943	Ave		0.3645				13.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.2860 0.3520	0.2869 0.3365	0.3186 0.3672	0.3250	0.3426	Ave		0.3269			0.2000	8.9		20.0			
Safrole, Total	0.2545 0.2625	0.2461 0.2592	0.2639 0.2822	0.2596	0.2610	Ave		0.2611				3.9		20.0			
2-Methylnaphthalene	0.6194 0.5996	0.5916 0.5835	0.6104 0.6201	0.6091	0.6014	Ave		0.6044			0.4000	2.1		20.0			
1-Methylnaphthalene	0.6250 0.6298	0.6403 0.6132	0.6197 0.6439	0.6307	0.6381	Ave		0.6301				1.7		20.0			
Hexachlorocyclopentadiene	0.3358 0.4476	0.3396 0.4387	0.3551 0.4954	0.4232	0.4357	Ave		0.4089			0.0500	14.3		20.0			
1,2,4,5-Tetrachlorobenzene	0.6470 0.6055	0.6564 0.5871	0.6366 0.6352	0.6204	0.6133	Ave		0.6252			0.0100	3.7		20.0			
Isosafrole Peak 1	0.5300 0.5478	0.4302 0.5523	0.5365 0.6004	0.5533	0.5550	Ave		0.5382				9.0		20.0			
2,4,6-Trichlorophenol	0.2776 0.3899	0.3347 0.3783	0.3607 0.4162	0.3789	0.3844	Ave		0.3651			0.2000	11.6		20.0			
2,4,5-Trichlorophenol	0.3547 0.4265	0.3032 0.4040	0.4004 0.4529	0.4317	0.4303	Ave		0.4005			0.2000	12.3		20.0			
Isosafrole Peak 2	0.5676 0.6009	0.4890 0.5638	0.6133 0.6305	0.5949	0.5947	Ave		0.5818				7.5		20.0			
1,1'-Biphenyl	1.5718 1.5264	1.7100 1.4408	1.5891 1.5917	1.5896	1.5681	Ave		1.5734			0.0100	4.8		20.0			
2-Chloronaphthalene	1.2070 1.1229	1.2791 1.0679	1.3659 1.2572	1.3324	1.2326	Ave		1.2331			0.8000	8.1		20.0			
1-Chloronaphthalene	1.0241 1.1198	1.1339 1.0837	1.1383 1.0955	1.0560	1.0806	Ave		1.0915				3.6		20.0			
Diphenyl ether	0.8530 0.8597	0.9371 0.8233	0.9216 0.9038	0.8922	0.8743	Ave		0.8831				4.3		20.0			
2-Nitroaniline	+++++ 0.4078	0.2966 0.3843	0.3722 0.4314	0.4018	0.3954	Ave		0.3842			0.0100	11.2		20.0			
1,4-Naphthoquinone	0.3396 0.4712	0.3435 0.4611	0.4208 0.4917	0.4578	0.4678	Ave		0.4317				13.7		20.0			
1,4-Dinitrobenzene	0.1509 0.2064	0.1594 0.1997	0.1705 0.2279	0.1988	0.2121	Ave		0.1907				14.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.4120 1.3522	1.2861 1.2775	1.3750 1.4061	1.3696	1.3798	Ave		1.3573			0.0100	3.7		20.0			
1,3-Dinitrobenzene	+++++ 0.2303	+++++ 0.2194	0.2100 0.2429	0.2220	0.2225	Ave		0.2245				5.0		20.0			
2,6-Dinitrotoluene	0.2441 0.2953	0.2387 0.2897	0.3047 0.3239	0.3027	0.3147	Ave		0.2892			0.2000	10.9		20.0			
Acenaphthylene	1.7137 1.9096	1.8627 1.8350	1.8880 1.9909	1.9335	1.9435	Ave		1.8846			0.9000	4.5		20.0			
3-Nitroaniline	0.2453 0.3470	0.2691 0.3345	0.3091 0.3761	0.3504	0.3460	Ave		0.3222			0.0100	13.9		20.0			
Acenaphthene	1.4151 1.2360	1.3350 1.1652	1.2509 1.2837	1.2416	1.2672	Ave		1.2743			0.9000	5.8		20.0			
2,4-Dinitrophenol	+++++ 0.2029	+++++ 0.2061	0.1728 0.2288	0.1886	0.2063	Ave		0.2009			0.0100	9.4		20.0			
Pentachlorobenzene	0.5316 0.5291	0.5895 0.5127	0.5868 0.5555	0.5454	0.5289	Ave		0.5474				5.1		20.0			
4-Nitrophenol	0.1569 0.2331	0.1812 0.2247	0.2181 0.2501	0.2300	0.2337	Ave		0.2160			0.0100	14.4		20.0			
Dibenzofuran	1.8616 1.6891	1.7791 1.5792	1.7939 1.7486	1.7577	1.7328	Ave		1.7427			0.8000	4.8		20.0			
2,4-Dinitrotoluene	0.3126 0.4261	0.3235 0.3982	0.4115 0.4412	0.4401	0.4320	Ave		0.3982			0.2000	12.9		20.0			
1-Naphthylamine	1.1280 1.2128	1.1110 1.1629	1.2162 1.2686	1.2209	1.2354	Ave		1.1945				4.6		20.0			
2,3,4,6-Tetrachlorophenol	0.3140 0.3425	0.2977 0.3340	0.3297 0.3668	0.3331	0.3430	Ave		0.3326			0.0100	6.2		20.0			
2-Naphthylamine	1.2249 1.2818	1.1218 1.2280	1.3002 1.3275	1.2929	1.3041	Ave		1.2602				5.3		20.0			
Diethyl phthalate	1.3074 1.3696	1.3449 1.3093	1.3558 1.4284	1.4156	1.4012	Ave		1.3665			0.0100	3.4		20.0			
Thionazin	0.2577 0.2339	0.2321 0.2577	0.2828 0.2771	0.2728	0.2366	Ave		0.2563				7.9		20.0			
Fluorene	1.3719 1.3359	1.3338 1.2766	1.3729 1.3842	1.3992	1.3881	Ave		1.3578			0.9000	3.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl phenyl ether	0.7437 0.6390	0.6936 0.6087	0.6934 0.6713	0.6604	0.6621	Ave		0.6715			0.4000	6.0		20.0			
5-Nitro-o-toluidine	0.2897 0.3915	0.3072 0.3752	0.3738 0.4147	0.4098	0.3951	Ave		0.3696				12.6		20.0			
4-Nitroaniline	0.2180 0.3404	0.2767 0.3229	0.3218 0.3560	0.3557	0.3453	Ave		0.3171			0.0100	15.0		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1509	0.1033 0.1491	0.1347 0.1563	0.1404	0.1466	Ave		0.1402			0.0100	12.6		20.0			
N-Nitrosodiphenylamine	0.5992 0.6617	0.5867 0.6478	0.6489 0.6706	0.6562	0.6548	Ave		0.6407			0.0100	4.8		20.0			
1,2-Diphenylhydrazine	0.7700 0.8245	0.7686 0.7982	0.8074 0.8306	0.8031	0.8098	Ave		0.8015				2.8		20.0			
Sulfotepp	0.1371 0.1487	0.1420 0.1434	0.1340 0.1513	0.1449	0.1396	Ave		0.1426				4.0		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0857	0.0582 0.0875	0.0658 0.0925	0.0767	0.0829	Ave		0.0785				15.8		20.0			
cis-Diallate	+++++ 0.3365	0.4424 0.3298	0.3466 0.3354	0.3431	0.3302	Ave		0.3520				11.5		20.0			
Phorate	0.4666 0.7327	0.4304 0.7220	0.4892 0.7366	0.5029	0.5328	Qua2	-0.006	0.4928	0.0099843						0.9910		0.9900
Phenacetin	0.2899 0.4238	0.3495 0.4180	0.3870 0.4439	0.4067	0.4153	Ave		0.3918				12.7		20.0			
4-Bromophenyl phenyl ether	0.2663 0.2153	0.2036 0.2141	0.2221 0.2267	0.2217	0.2175	Ave		0.2234			0.1000	8.3		20.0			
trans-Diallate	+++++ 0.3533	+++++ 0.3363	0.4299 0.3539	0.3554	0.3378	Ave		0.3611				9.6		20.0			
Hexachlorobenzene	0.3009 0.2395	0.2444 0.2347	0.2525 0.2484	0.2434	0.2385	Ave		0.2503			0.1000	8.5		20.0			
Dimethoate	0.2388 0.3426	0.2531 0.3259	0.3161 0.3370	0.3244	0.3249	Ave		0.3078				12.8		20.0			
Atrazine	0.1608 0.2188	0.1783 0.2121	0.2169 0.2011	0.2151	0.2111	Ave		0.2018			0.0100	10.5		20.0			
Pentachlorophenol	+++++ 0.1615	0.1016 0.1584	0.1196 0.1714	0.1427	0.1489	Ave		0.1434			0.0500	17.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachloronitrobenzene	0.0997 0.1143	0.1151 0.1117	0.1039 0.1166	0.1149	0.1122	Ave		0.1111				5.4		20.0			
4-Aminobiphenyl	0.7361 0.8971	0.7784 0.8746	0.8596 0.8819	0.9154	0.8806	Ave		0.8530				7.3		20.0			
Pronamide	0.3014 0.3526	0.2780 0.3552	0.3181 0.3746	0.3374	0.3471	Ave		0.3330				9.5		20.0			
Dinoseb	+++++ 0.2178	+++++ 0.2211	0.1575 0.2377	0.1891	0.2013	Ave		0.2041				13.9		20.0			
Phenanthrene	1.1850 1.0659	1.1863 1.0336	1.1243 1.0552	1.1028	1.0821	Ave		1.1044			0.7000	5.2		20.0			
Disulfoton	0.4808 0.4952	0.4507 0.4822	0.4977 0.4862	0.4984	0.4902	Ave		0.4852				3.2		20.0			
Anthracene	1.0269 1.0928	1.0235 1.0759	1.1284 1.1049	1.1114	1.1002	Ave		1.0830			0.7000	3.6		20.0			
Carbazole	0.9111 1.0478	0.9697 1.0219	1.0314 1.0555	1.0383	1.0330	Ave		1.0136			0.0100	4.8		20.0			
Methyl parathion	0.1675 0.2848	0.1792 0.2795	0.2298 0.2914	0.2578	0.2697	Ave		0.2450				19.7		20.0			
Di-n-butyl phthalate	0.9815 1.1722	0.9483 1.1435	0.9927 1.1997	1.0944	1.1286	Ave		1.0826			0.0100	8.8		20.0			
Parathion	0.0932 0.1664	0.1155 0.1670	0.1294 0.1709	0.1547	0.1625	Ave		0.1450				19.9		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0945	+++++ 0.1037	+++++ 0.1157	0.0668	0.0816	Lin2	-0.192	0.1140							0.9940		0.9900
Octachlorostyrene	0.0802 0.0944	0.0986 0.0937	0.0948 0.0960	0.0960	0.0905	Ave		0.0930				6.1		20.0			
Isodrin	0.1507 0.1265	0.1258 0.1240	0.1301 0.1310	0.1297	0.1227	Ave		0.1301				6.8		20.0			
Fluoranthene	1.1268 1.1711	1.1034 1.1565	1.1314 1.1838	1.1577	1.1602	Ave		1.1489			0.6000	2.3		20.0			
Benzidine	+++++ 0.8218	0.5291 0.7670	0.7063 0.8044	0.7871	0.8054	Ave		0.7459				13.8		20.0			
Pyrene	1.4936 1.2193	1.3865 1.1627	1.2763 1.2366	1.2299	1.2176	Ave		1.2778			0.6000	8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	+++++ 0.2040	0.1489 0.2033	0.1610 0.2262	0.1858	0.2002	Ave		0.1899				14.2		20.0			
Chlorobenzilate	0.2614 0.3854	0.2980 0.3777	0.3452 0.4074	0.3711	0.3821	Ave		0.3535				14.0		20.0			
3,3'-Dimethylbenzidine	+++++ 0.6731	+++++ 0.6466	0.5194 0.6948	0.6410	0.6612	Ave		0.6393				9.7		20.0			
Butyl benzyl phthalate	0.3751 0.5169	0.3907 0.4955	0.4632 0.5385	0.4871	0.5087	Ave		0.4719			0.0100	12.6		20.0			
2-Acetylaminofluorene	+++++ 0.4367	+++++ 0.4422	+++++ 0.4955	0.3718	0.4169	Ave		0.4326				10.3		20.0			
3,3'-Dichlorobenzidine	0.3114 0.4231	0.3110 0.4085	0.3745 0.4402	0.3943	0.4193	Ave		0.3853			0.0100	12.9		20.0			
Benzo[a]anthracene	0.9086 1.0577	0.9207 0.9951	1.0010 1.0946	1.0094	1.0370	Ave		1.0030			0.8000	6.3		20.0			
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2352	0.1451 0.2212	0.2204 0.2392	0.2223	0.2312	Ave		0.2164				14.9		20.0			
Chrysene	1.0438 0.9920	1.0057 0.9576	0.9898 1.0409	0.9923	1.0083	Ave		1.0038			0.7000	2.8		20.0			
Bis(2-ethylhexyl) phthalate	+++++ 0.7068	0.4845 0.6866	0.5482 0.7615	0.6390	0.6839	Ave		0.6444			0.0100	15.0		20.0			
6-Methylchrysene	0.6740 0.6915	0.6105 0.6681	0.6722 0.7389	0.6710	0.6730	Ave		0.6749				5.2		20.0			
Di-n-octyl phthalate	+++++ 1.3125	+++++ 1.3294	0.8663 1.4777	1.0805	1.2046	Ave		1.2118			0.0100	17.7		20.0			
Benzo[b]fluoranthene	1.1262 1.3008	1.1028 1.2623	1.1419 1.3350	1.1999	1.2503	Ave		1.2149			0.7000	7.0		20.0			
7,12-Dimethylbenz(a)anthracene	+++++ 0.5728	0.4133 0.5698	0.4726 0.6200	0.5423	0.5481	Ave		0.5341				13.0		20.0			
Benzo[k]fluoranthene	1.1126 1.2663	1.1960 1.2423	1.3161 1.3656	1.3330	1.2711	Ave		1.2629			0.7000	6.4		20.0			
Benzo[a]pyrene	0.9404 1.1755	0.9770 1.1821	1.0167 1.2530	1.1105	1.1301	Ave		1.0982			0.7000	10.0		20.0			
3-Methylcholanthrene	+++++ 0.5749	0.4214 0.5765	0.4697 0.6356	0.5192	0.5382	Ave		0.5336				13.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibenz[a,h]acridine	0.7050 0.8737	0.6421 0.8711	0.7705 0.9640	0.8096	0.8425	Ave		0.8098				12.6		20.0			
Dibenz[a,j]acridine	0.7266 0.9650	0.6970 0.9592	0.7881 1.0596	0.9159	0.9389	Ave		0.8813				14.6		20.0			
Indeno[1,2,3-cd]pyrene	0.8594 1.0491	0.8280 1.0584	0.9469 1.1499	0.9926	1.0317	Ave		0.9895			0.5000	10.8		20.0			
Dibenz(a,h)anthracene	0.9404 1.0897	0.9259 1.0613	0.9945 1.1985	1.0322	1.0577	Ave		1.0375			0.4000	8.4		20.0			
Benzo[g,h,i]perylene	1.0105 1.0954	0.9750 1.0591	1.0179 1.1547	1.0401	1.0583	Ave		1.0514			0.5000	5.3		20.0			
2-Fluorophenol (Surr)	1.1675 1.3591	1.2263 1.3280	1.2429 1.4352	1.3564	1.3352	Ave		1.3063				6.7		20.0			
Phenol-d5 (Surr)	1.5998 1.8584	1.7028 1.8163	1.7572 1.9399	1.8362	1.8413	Ave		1.7940				5.9		20.0			
Nitrobenzene-d5 (Surr)	0.3938 0.4276	0.4430 0.4078	0.4168 0.4412	0.4166	0.4260	Ave		0.4216				3.9		20.0			
2-Fluorobiphenyl (Surr)	1.4864 1.3684	1.3937 1.2768	1.4534 1.3861	1.4487	1.4127	Ave		1.4033				4.6		20.0			
2,4,6-Tribromophenol (Surr)	0.2004 0.2055	0.1731 0.1985	0.2011 0.2223	0.2059	0.2074	Ave		0.2018				6.8		20.0			
p-Terphenyl-d14 (Surr)	0.8037 0.7544	0.7837 0.7186	0.7855 0.7737	0.7629	0.7677	Ave		0.7688				3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-662998/9	DF2558.D
Level 2	IC 410-662998/8	DF2557.D
Level 3	IC 410-662998/7	DF2556.D
Level 4	IC 410-662998/6	DF2555.D
Level 5	IC 410-662998/5	DF2554.D
Level 6	ICIS 410-662998/2	DF2551.D
Level 7	IC 410-662998/4	DF2553.D
Level 8	IC 410-662998/3	DF2552.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 245992	+++++ 347566	25301 543159	68566	129724	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	2690 373912	6465 550266	30469 849517	98638	204110	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	10595 1250328	23414 1840469	112916 2934748	349827	700870	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	2625 396214	7129 644607	34063 994711	98379	215138	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	6196 727769	12800 1065100	62766 1664535	198343	394945	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 308119	+++++ 455537	30064 699678	88308	167858	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	3308 372364	6156 547768	32079 854097	103204	199454	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	2843 316554	5569 476466	27505 729550	88845	167018	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	3231 352133	5710 510238	30337 793072	95557	186895	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	5254 562395	9968 813912	53453 1109494	153367	301129	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenol	DCBd4	Ave	8703 921387	15774 1355751	78407 2066116	255023	500756	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	9731 1110573	19129 1604646	92313 2464951	305078	595819	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	5965 666707	12085 960098	59293 1468495	185092	361185	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	4622 620073	10615 905562	52136 1390335	168250	338574	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	6002	13620	58162	189978	360264	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			667647	967872	1504842			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	5820 677757	11775 979465	60549 1519405	190718	367146	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	3218 431815	7152 632309	34815 975815	114846	237143	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	6052 636430	12074 933086	56026 1424811	176844	341838	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	5214 589957	8830 863192	48687 1340971	160190	316551	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	5300 598444	11265 865586	52269 1315296	167678	324835	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	2765 343171	5717 518458	29544 786646	94194	182390	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	9495 946123	16532 1366351	82960 2098969	263854	509357	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	4269 471155	7768 680326	39915 1051215	132962	254353	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,4-Methylphenol	DCBd4	Ave	5595 677345	10750 987979	57831 1488095	190219	373347	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	3486 339739	6175 493006	29721 747199	95398	187277	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	8185 1042695	18485 1515613	94998 2298131	295699	570904	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	2677 280810	5147 407494	24386 639097	75326	154735	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	5985 682620	12267 990100	57730 1502758	193852	370056	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	2909 311524	4892 460391	26642 710385	85343	168585	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	9839 1242008	20209 1826594	101489 2771133	341734	675207	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	1804 314565	5241 467395	25793 723174	83905	167793	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	5387 662879	10489 974024	54063 1472204	183022	359102	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	2797 289887	4869 428970	26006 656592	83978	156585	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	7294 783819	14886 1125255	65380 1751949	219108	428655	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	3700	7949	37232	130966	259480	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			481247	704286	1101077			12.5	20.0	30.0		
1,2,4-Trichlorobenzene	NPT	Ave	4461 521601	9561 766731	46695 1167572	146916	286699	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	16366 1711357	34499 2505449	151246 3790213	489505	940123	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	3711 435389	7168 631068	36934 976169	119656	233536	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	5319 725224	12182 1046583	60866 1604268	196926	391511	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	3948 465636	7716 683815	38375 1045801	130416	254570	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	3403 378086	5948 570788	32735 864203	107682	207386	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	2766 309004	5363 452914	27071 695236	85211	171778	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	10482 1131306	19462 1663731	102497 2519579	315858	615283	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	+++++ 177988	2609 265185	13582 382350	45617	93288	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 573415	12643 848281	46990 1280646	135522	248893	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 640204	7675 954427	49433 1407813	173526	349853	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	4184 575080	8530 832268	45568 1279372	151754	303963	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	3723 428864	7316 641160	37751 983328	121207	231592	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	9060 979655	17587 1443188	87301 2160524	284388	533600	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	9143 1029026	19034 1516455	88634 2243409	294456	566148	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	2566 388678	5259 586727	26557 907860	101324	203953	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	4944 525762	10165 785241	47606 1164084	148552	287058	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	648 76106	1066 118184	6419 176041	21196	41563	0.0200 2.00	0.0400 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	2121 338533	5184 506015	26972 762641	90721	179926	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	2710	4696	29944	103363	201418	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			370370	540394	829958			12.5	20.0	30.0		
Isosafrole Peak 2	ANT	Ave	3643 438276	6361 633393	38521 970484	119646	233833	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	12010 1325448	26482 1927064	118830 2916696	380587	733935	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	9223 975041	19809 1428330	102137 2303815	319003	576920	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	7825 972324	17560 1449375	85117 2007425	252829	505801	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	6518 746499	14512 1101128	68916 1656131	213623	409218	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	+++++ 354065	4594 513926	27836 790568	96191	185050	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	2595 409145	5320 616694	31469 900994	109611	218943	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	1153 179239	2469 267129	12752 417614	47587	99276	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	10789 1174201	19917 1708552	102818 2576629	327910	645809	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	+++++ 199987	+++++ 293421	15702 445134	53164	104126	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	1865 256433	3697 387398	22785 593617	72467	147305	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	13095 1658145	28847 2454236	141185 3648329	462938	909654	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	1874 301325	4167 447359	23113 689291	83892	161963	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	10813 1073244	20675 1558407	93540 2352319	297282	593137	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 352296	+++++ 551422	51688 838588	135449	225334	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
Pentachlorobenzene	ANT	Ave	4062 459444	9130 685655	43883 1017969	130589	247555	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitrophenol	ANT	Ave	7194 404819	16834 600976	48918 916527	110136	218774	0.750 25.0	1.50 40.0	3.75 60.0	7.50	15.0
Dibenzofuran	ANT	Ave	14225 1466671	27552 2112084	134147 3204262	420848	811033	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	2389 369987	5010 532620	30770 808408	105370	202218	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	8619	17205	90947	292320	578253	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1053145	1555314	2324653			12.5	20.0	30.0		
2,3,4,6-Tetrachlorophenol	ANT	Ave	2399 297410	4611 446686	24655 672246	79746	160534	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	9360 1113050	17373 1642426	97227 2432667	309567	610377	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	9990 1189229	20828 1751138	101383 2617592	338936	655834	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	1969 203109	3594 344606	21149 507772	65312	110733	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	10483 1159962	20656 1707361	102661 2536606	335016	649713	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl phenyl ether	ANT	Ave	5683 554878	10741 814098	51854 1230231	158122	309903	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	2214 339976	4757 501874	27952 759960	98110	184937	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	1666 295539	4285 431834	24061 652286	85175	161602	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 454305	17478 669328	54575 1020168	120303	246237	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	7018 846445	14062 1236310	74490 1860293	238984	467477	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	10609 1240841	21673 1792182	109049 2710771	344113	680118	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	1889 223795	4005 321864	18097 493653	62085	117228	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 129027	1642 196347	8893 302028	32869	69583	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 374800	9231 547913	34640 809934	108773	205203	+++++ 9.25	0.185 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Qua2	6429 1102815	12136 1620998	66071 2403899	215456	447487	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	3995 637904	9854 938422	52271 1448660	174275	348775	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl phenyl ether	PHN	Ave	3669 324112	5741 480635	29995 739925	95005	182659	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 138236	+++++ 196331	15096 300273	39587	73767	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	4146 360476	6891 526906	34106 810791	104289	200297	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	3290	7136	42696	139001	272834	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			515704	731614	1099712			12.5	20.0	30.0		
Atrazine	PHN	Ave	2215 329345	5028 476253	29297 656169	92165	177263	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 486100	14318 711091	32315 1118745	122267	250108	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
Pentachloronitrobenzene	PHN	Ave	1374 172020	3245 250804	14036 380590	49214	94251	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	10142 1350123	21947 1963610	116098 2877999	392234	739578	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	4153 530635	7840 797387	42962 1222667	144546	291485	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 327794	+++++ 496428	21272 775688	81009	169023	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	16327 1604289	33451 2320587	151844 3443501	472502	908811	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	6625 745277	12709 1082624	67211 1586613	213561	411701	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	14149 1644779	28859 2415688	152403 3605761	476177	924039	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	12554 1576987	27342 2294376	139299 3444772	444876	867604	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	2308 428683	5053 627514	31035 950936	110477	226525	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	13524 1764218	26739 2567315	134068 3915359	468911	947845	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	1284 250465	3258 374932	17482 557835	66283	136505	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Lin2	+++++ 142170	+++++ 232826	+++++ 377576	28635	68500	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	1105 142031	2781 210410	12803 313134	41125	75982	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	2076 190326	3548 278454	17577 427386	55586	103030	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	15525 1762499	31113 2596634	152805 3863330	496041	974419	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 3699378	42787 5221488	282015 7561220	1015536	2005450	+++++ 37.5	0.750 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	19663 1829662	37376 2638278	169865 3874540	528950	1010652	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	+++++	4013	21425	79917	166141	+++++	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			306190	461320	708758			12.5	20.0	30.0		
Chlorobenzilate	PYR10	Ave	3442 578305	8032 857104	45939 1276602	159601	317169	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	+++++ 1010060	+++++ 1467199	69130 2176873	275675	548790	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Butyl benzyl phthalate	PYR10	Ave	4938 775590	10531 1124275	61653 1687079	209479	422217	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 655330	+++++ 1003429	+++++ 1552456	159917	346059	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	4100 634914	8384 926897	49847 1379069	169562	348022	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	11962 1587192	24819 2257904	133226 3429478	434114	860709	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	+++++ 352995	3912 501891	29340 749311	95607	191887	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	13742 1488623	27110 2172866	131732 3261471	426757	836956	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	+++++ 1060654	13060 1557965	72962 2385922	274804	567650	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	8873 1037579	16456 1515894	89470 2315118	288569	558655	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	+++++ 1574025	+++++ 2372882	90485 3675159	368570	812217	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	11450 1560028	23237 2253201	119263 3320232	409309	843033	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	+++++ 686948	8709 1017095	49366 1541908	184994	369544	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	11312 1518567	25202 2217544	137465 3396324	454701	857066	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	9561 1409678	20586 2109973	106196 3116279	378821	761997	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	+++++ 689498	8879 1028970	49055 1580831	177098	362879	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	7168 1047796	13529 1554968	80481 2397543	276152	568076	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	7387 1157313	14687 1712226	82318 2635213	312444	633054	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	8737 1258102	17447 1889143	98901 2859826	338604	695603	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	9561	19510	103868	352100	713190	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1306865	1894474	2980842			12.5	20.0	30.0		
Benzo[g,h,i]perylene	PRY	Ave	10274 1313677	20544 1890549	106314 2871834	354801	713576	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	9592 1239366	20130 1799304	99146 2795900	341426	658039	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	13144 1694736	27952 2460810	140173 3779098	462182	907456	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	11520 1397319	26337 2016905	119234 3074269	388968	755833	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	22715 2376442	43166 3415437	217364 5080025	693733	1322478	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	3063 356881	5362 531006	30069 814792	98590	194103	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	21161 2264055	42253 3260984	209075 4848388	656198	1274520	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 662998

SDG No.:

Instrument ID: HP19760 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:30 Calibration End Date: 06/26/2025 02:03 Calibration ID: 74112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-662998/9	DF2558.D
Level 2	IC 410-662998/8	DF2557.D
Level 3	IC 410-662998/7	DF2556.D
Level 4	IC 410-662998/6	DF2555.D
Level 5	IC 410-662998/5	DF2554.D
Level 6	ICIS 410-662998/2	DF2551.D
Level 7	IC 410-662998/4	DF2553.D
Level 8	IC 410-662998/3	DF2552.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Phorate	4.4 3.3	-8.1 -5.2	-2.2	-4.6	-5.3	15.2	50 30	30 30	30	30	30	30
4-Nitroquinoline-1-oxide	+++++ -0.7	+++++ 7.1	+++++	3.4	-6.1	-3.7	30	30		50	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 25-Jun-2025 23:30:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:26:57 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: N5QU Date: 26-Jun-2025 01:33:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.408	1.408	0.000	89	245992	12.5	12.2	
3 N-Nitrosodimethylamine	74	1.612	1.612	0.000	88	373912	12.5	13.0	
4 Pyridine	79	1.641	1.641	0.000	96	1250328	25.0	24.5	
6 Dimethylformamide	73	1.909	1.909	0.000	88	396214	12.5	12.7	
7 2-Picoline	93	2.189	2.189	0.000	90	727769	12.5	12.6	
8 N-Nitrosomethylethylamine	88	2.276	2.276	0.000	82	308119	12.5	12.1	
9 Methyl methanesulfonate	80	2.527	2.527	0.000	84	372364	12.5	12.6	
$ 10 2-Fluorophenol	112	2.684	2.684	0.000	90	1239366	25.0	26.0	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	316554	12.5	12.4	
12 Ethyl methanesulfonate	109	3.179	3.179	0.000	99	352133	12.5	12.7	
15 Benzaldehyde	77	3.506	3.506	0.000	97	562395	12.5	12.5	
$ 16 Phenol-d5	99	3.587	3.587	0.000	95	1694736	25.0	25.9	
17 Phenol	94	3.605	3.605	0.000	94	921387	12.5	12.5	
18 Aniline	93	3.611	3.611	0.000	92	1110573	12.5	12.7	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	98	666707	12.5	12.5	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	620073	12.5	12.9	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	667647	12.5	12.2	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	96	182383	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	92	677757	12.5	12.5	
25 Benzyl alcohol	108	4.077	4.077	0.000	91	431815	12.5	13.0	
26 1,2-Dichlorobenzene	146	4.095	4.095	0.000	95	636430	12.5	12.3	
28 2-Methylphenol	108	4.199	4.199	0.000	95	589957	12.5	12.9	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.211	0.000	92	598444	12.5	12.4	
31 N-Nitrosopyrrolidine	100	4.310	4.310	0.000	90	343171	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	946123	12.5	12.3	
33 N-Nitrosodi-n-propylamine	70	4.339	4.339	0.000	72	471155	12.5	12.6	
32 4-Methylphenol	108	4.351	4.351	0.000	89	677345	12.5	12.8	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	85	339739	12.5	12.2	
36 2-Toluidine	106	4.363	4.363	0.000	96	1042695	12.5	12.6	
38 Hexachloroethane	117	4.421	4.421	0.000	96	280810	12.5	12.3	
$ 39 Nitrobenzene-d5	82	4.473	4.473	0.000	85	1397319	25.0	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.491	4.491	0.000	84	682620	12.5	12.6	
42 N-Nitrosopiperidine	114	4.637	4.637	0.000	90	311524	12.5	12.7	
43 Isophorone	82	4.730	4.730	0.000	97	1242008	12.5	13.0	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	314565	12.5	13.4	
45 2,4-Dimethylphenol	107	4.864	4.864	0.000	96	662879	12.5	13.0	
46 o,o',o''-Triethylphosphorothioat	198	4.928	4.928	0.000	88	289887	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	783819	12.5	12.5	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	481247	12.5	13.1	
49 1,2,4-Trichlorobenzene	180	5.115	5.115	0.000	94	521601	12.5	12.5	
* 50 Naphthalene-d8	136	5.167	5.167	0.000	100	653513	5.00	5.00	a
51 Naphthalene	128	5.185	5.185	0.000	97	1711357	12.5	12.2	
52 Alpha-Terpineol	59	5.208	5.208	0.000	91	435389	12.5	12.8	a
53 4-Chloroaniline	127	5.249	5.249	0.000	94	725224	12.5	13.1	
54 2,6-Dichlorophenol	162	5.254	5.254	0.000	95	465636	12.5	12.8	
55 Hexachloropropene	213	5.272	5.272	0.000	88	378086	12.5	12.6	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	309004	12.5	12.6	
60 Quinoline	129	5.505	5.505	0.000	96	1131306	12.5	12.5	
61 Caprolactam	113	5.569	5.569	0.000	82	177988	12.5	13.4	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	87	573415	12.5	12.9	
63 p-Phenylene diamine	108	5.593	5.593	0.000	96	640204	12.5	13.4	
64 4-Chloro-3-methylphenol	107	5.738	5.738	0.000	93	575080	12.5	13.5	a
65 Safrole, Total	162	5.779	5.779	0.000	87	428864	12.5	12.6	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	979655	12.5	12.4	a
67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	1029026	12.5	12.5	a
68 Hexachlorocyclopentadiene	237	6.001	6.001	0.000	96	388678	12.5	13.7	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	525762	12.5	12.1	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	88	76106	2.00	2.04	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	338533	12.5	13.3	
72 2,4,5-Trichlorophenol	196	6.170	6.170	0.000	93	370370	12.5	13.3	
$ 73 2-Fluorobiphenyl (Surr)	172	6.210	6.210	0.000	99	2376442	25.0	24.4	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	438276	10.5	10.8	
75 1,1'-Biphenyl	154	6.304	6.304	0.000	96	1325448	12.5	12.1	
76 2-Chloronaphthalene	162	6.315	6.315	0.000	99	975041	12.5	11.4	
77 1-Chloronaphthalene	162	6.333	6.333	0.000	97	972324	12.5	12.8	
78 Phenyl ether	170	6.403	6.403	0.000	83	746499	12.5	12.2	
79 2-Nitroaniline	138	6.420	6.420	0.000	84	354065	12.5	13.3	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	86	409145	12.5	13.6	
84 1,4-Dinitrobenzene	168	6.560	6.560	0.000	88	179239	12.5	13.5	
85 Dimethyl phthalate	163	6.607	6.607	0.000	98	1174201	12.5	12.5	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	199987	12.5	12.8	
87 2,6-Dinitrotoluene	165	6.659	6.659	0.000	94	256433	12.5	12.8	
88 Acenaphthylene	152	6.700	6.700	0.000	98	1658145	12.5	12.7	
89 3-Nitroaniline	138	6.811	6.811	0.000	92	301325	12.5	13.5	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	347333	5.00	5.00	
91 Acenaphthene	153	6.869	6.869	0.000	95	1073244	12.5	12.1	
92 2,4-Dinitrophenol	184	6.916	6.916	0.000	89	352296	25.0	25.2	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	459444	12.5	12.1	
93 4-Nitrophenol	109	7.003	7.003	0.000	83	404819	25.0	27.0	
96 Dibenzofuran	168	7.032	7.032	0.000	96	1466671	12.5	12.1	
95 2,4-Dinitrotoluene	165	7.038	7.038	0.000	91	369987	12.5	13.4	
97 1-Naphthylamine	143	7.108	7.108	0.000	98	1053145	12.5	12.7	
98 2,3,4,6-Tetrachlorophenol	232	7.155	7.155	0.000	74	297410	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
99 2-Naphthylamine	143	7.184	7.184	0.000	95	1113050	12.5	12.7	
100 Diethyl phthalate	149	7.283	7.283	0.000	98	1189229	12.5	12.5	
101 Thionazin	107	7.353	7.353	0.000	81	203109	12.5	11.4	
102 Fluorene	166	7.359	7.359	0.000	93	1159962	12.5	12.3	
103 4-Chlorophenyl phenyl ether	204	7.370	7.370	0.000	90	554878	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	91	339976	12.5	13.2	a
105 4-Nitroaniline	138	7.388	7.388	0.000	80	295539	12.5	13.4	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	84	454305	25.0	26.9	a
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	846445	10.6	11.0	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1240841	12.5	12.9	a
$ 109 2,4,6-Tribromophenol	330	7.586	7.586	0.000	92	356881	25.0	25.5	
110 Sulfotepp	97	7.650	7.650	0.000	78	223795	12.5	13.0	
112 1,3,5-Trinitrobenzene	213	7.755	7.755	0.000	85	129027	12.5	13.7	
113 cis-Diallate	86	7.761	7.761	0.000	0	374800	9.25	8.84	a
114 Phorate	75	7.767	7.767	0.000	95	1102815	12.5	14.4	a
115 Phenacetin	108	7.790	7.790	0.000	92	637904	12.5	13.5	
116 4-Bromophenyl phenyl ether	248	7.831	7.831	0.000	62	324112	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	138236	3.25	3.18	a
118 Hexachlorobenzene	284	7.872	7.872	0.000	94	360476	12.5	12.0	
119 Dimethoate	87	7.924	7.924	0.000	97	515704	12.5	13.9	a
120 Atrazine	200	8.006	8.006	0.000	94	329345	12.5	13.6	a
121 Pentachlorophenol	266	8.070	8.070	0.000	91	486100	25.0	28.1	
123 Pentachloronitrobenzene	237	8.076	8.076	0.000	83	172020	12.5	12.9	
122 4-Aminobiphenyl	169	8.076	8.076	0.000	90	1350123	12.5	13.1	
124 Pronamide	173	8.151	8.151	0.000	90	530635	12.5	13.2	
* 126 Phenanthrene-d10	188	8.239	8.239	0.000	97	602020	5.00	5.00	a
125 Dinoseb	211	8.256	8.256	0.000	93	327794	12.5	13.3	
128 Phenanthrene	178	8.262	8.262	0.000	98	1604289	12.5	12.1	a
127 Disulfoton	88	8.262	8.262	0.000	96	745277	12.5	12.8	
129 Anthracene	178	8.309	8.309	0.000	97	1644779	12.5	12.6	a
130 Carbazole	167	8.472	8.472	0.000	96	1576987	12.5	12.9	
131 Methyl parathion	109	8.618	8.618	0.000	91	428683	12.5	14.5	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	1764218	12.5	13.5	
134 Ethyl Parathion	109	8.991	8.991	0.000	85	250465	12.5	14.3	
135 4-Nitroquinoline-1-oxide	190	9.002	9.002	0.000	90	142170	12.5	12.0	
140 Octachlorostyrene	308	9.212	9.212	0.000	91	142031	12.5	12.7	
141 Isodrin	193	9.235	9.235	0.000	94	190326	12.5	12.2	a
143 Fluoranthene	202	9.381	9.381	0.000	98	1762499	12.5	12.7	a
147 Benzidine	184	9.533	9.533	0.000	99	3699378	37.5	41.3	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	600230	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	98	1829662	12.5	11.9	a
S 136 Diallate	86				0		12.5	12.0	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	2264055	25.0	24.5	
154 p-Dimethylamino azobenzene	225	9.906	9.906	0.000	93	306190	12.5	13.4	
155 Chlorobenzilate	139	9.958	9.958	0.000	88	578305	12.5	13.6	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1010060	12.5	13.2	
157 Butyl benzyl phthalate	149	10.261	10.261	0.000	97	775590	12.5	13.7	
158 2-Acetylaminofluorene	181	10.477	10.477	0.000	94	655330	12.5	12.6	
159 3,3'-Dichlorobenzidine	252	10.780	10.780	0.000	75	634914	12.5	13.7	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1587192	12.5	13.2	
160 4,4'-Methylene bis(2-chloroani	231	10.792	10.792	0.000	96	352995	12.5	13.6	
162 Chrysene	228	10.821	10.821	0.000	97	1488623	12.5	12.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1060654	12.5	13.7	
164 6-Methylchrysene	242	11.334	11.334	0.000	99	1037579	12.5	12.8	
165 Di-n-octyl phthalate	149	11.660	11.660	0.000	98	1574025	12.5	13.5	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.039	0.000	89	686948	12.5	13.4	
167 Benzo[b]fluoranthene	252	12.039	12.039	0.000	97	1560028	12.5	13.4	
168 Benzo[k]fluoranthene	252	12.074	12.074	0.000	99	1518567	12.5	12.5	
169 Benzo[a]pyrene	252	12.447	12.447	0.000	77	1409678	12.5	13.4	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	479703	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	689498	12.5	13.5	
172 Dibenz[a,h]acridine	279	13.659	13.659	0.000	91	1047796	12.5	13.5	
173 Dibenz[a,j]acridine	279	13.729	13.729	0.000	96	1157313	12.5	13.7	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.951	0.000	99	1258102	12.5	13.3	
175 Dibenz(a,h)anthracene	278	13.992	13.992	0.000	93	1306865	12.5	13.1	
176 Benzo[g,h,i]perylene	276	14.301	14.301	0.000	98	1313677	12.5	13.0	
S 178 Dinitrotoluene	165				0		25.0	26.1	
S 182 Isosafrole	162				0		12.5	12.9	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_6_00068 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:26:57 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D

Injection Date: 25-Jun-2025 23:30:30 Instrument ID: HP19760 Operator ID: IR93211

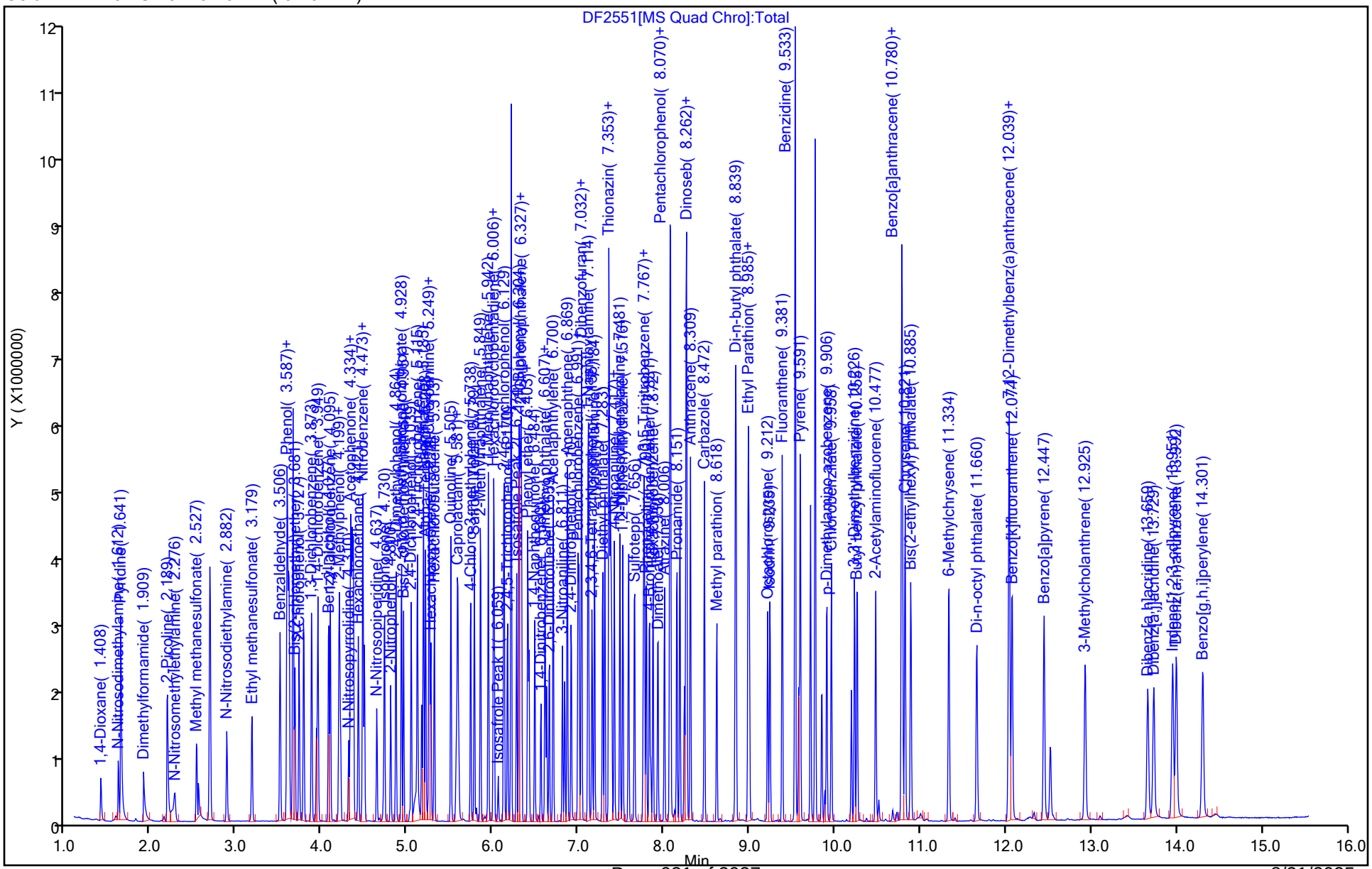
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

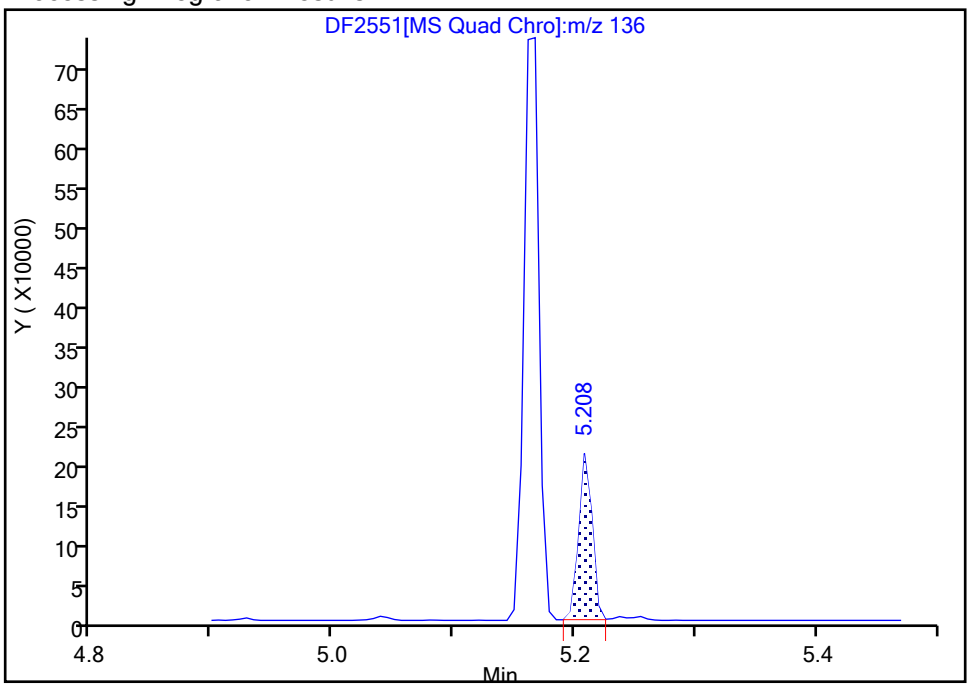
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 50 Naphthalene-d8, CAS: 1146-65-2

Signal: 1

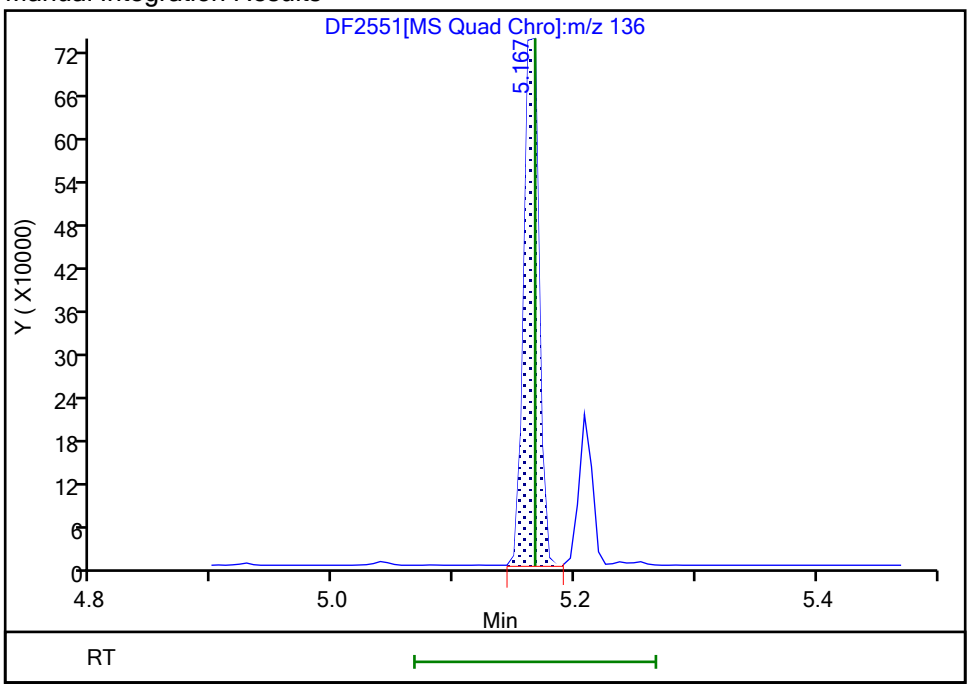
Processing Integration Results

RT: 5.21
Area: 162443
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.17
Area: 653513
Amount: 5.000000
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:11:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

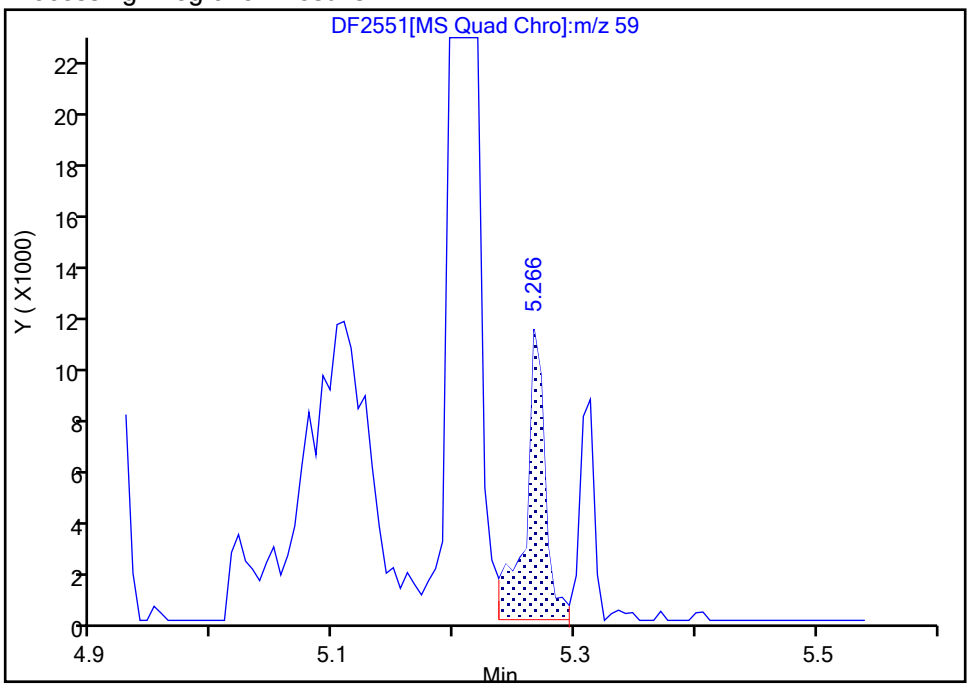
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

52 Alpha-Terpineol, CAS: 98-55-5

Signal: 1

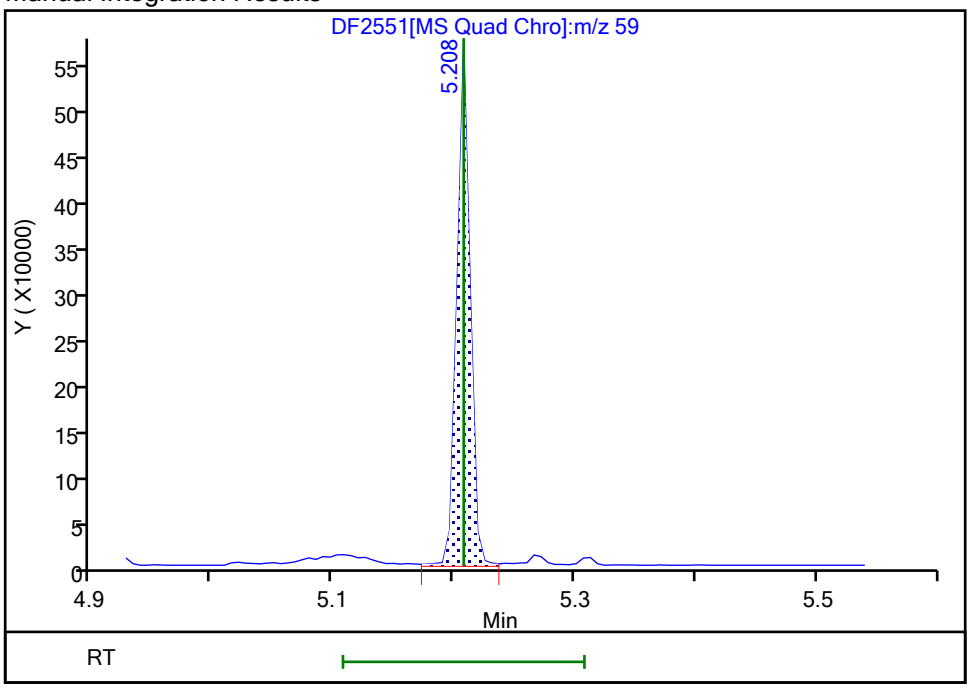
Processing Integration Results

RT: 5.27
Area: 12463
Amount: 0.006754
Amount Units: ug/ml



Manual Integration Results

RT: 5.21
Area: 435389
Amount: 12.846685
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:12:02 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

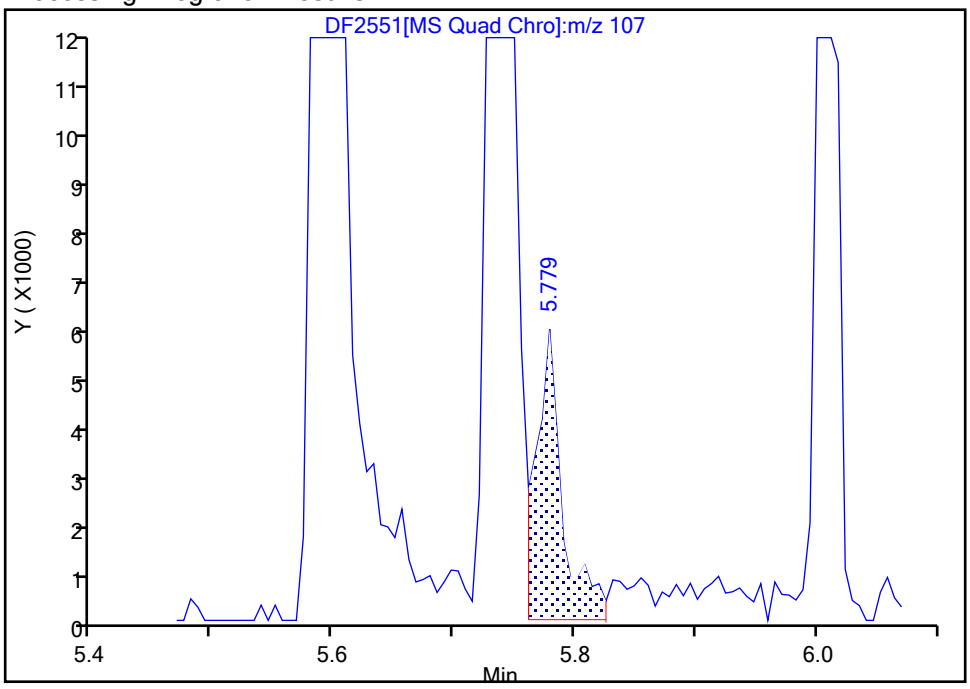
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Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 4-Chloro-3-methylphenol, CAS: 59-50-7

Signal: 1

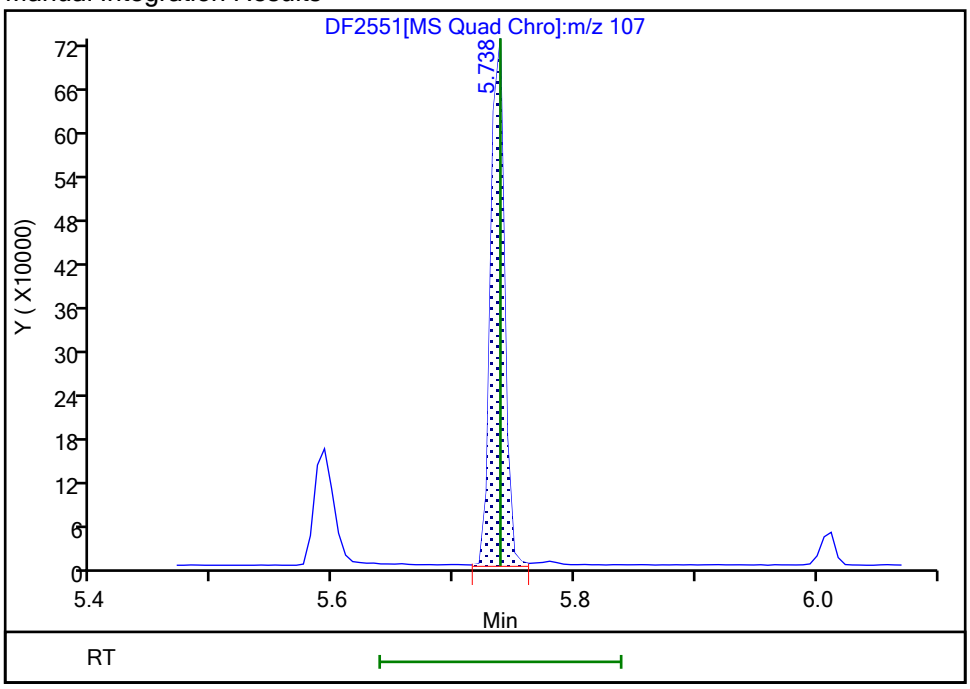
Processing Integration Results

RT: 5.78
Area: 8045
Amount: 0.003633
Amount Units: ug/ml



Manual Integration Results

RT: 5.74
Area: 575080
Amount: 13.460912
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:12:25 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

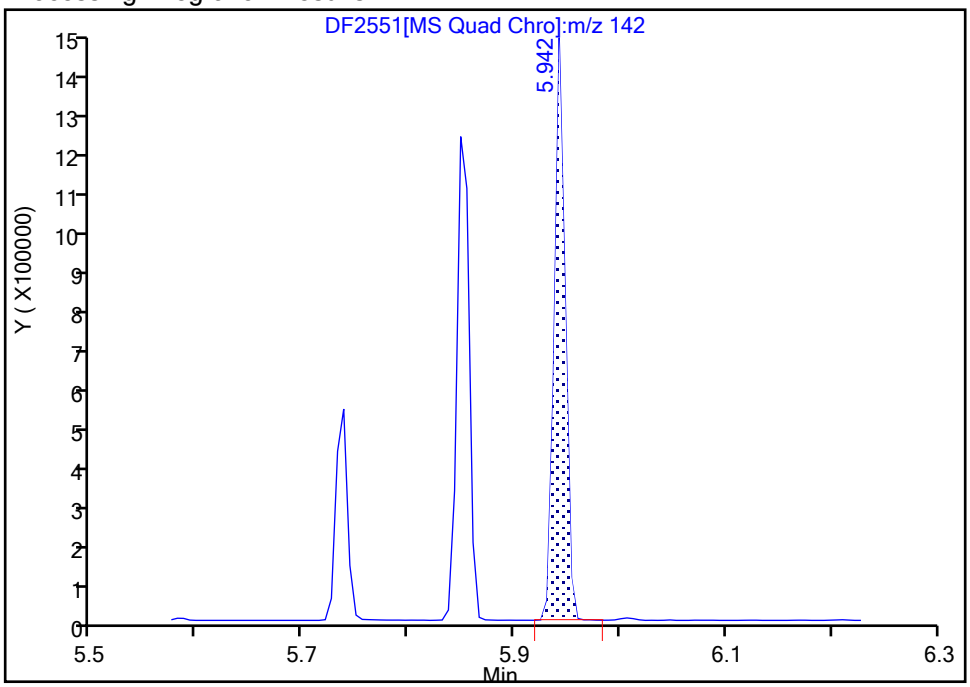
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Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

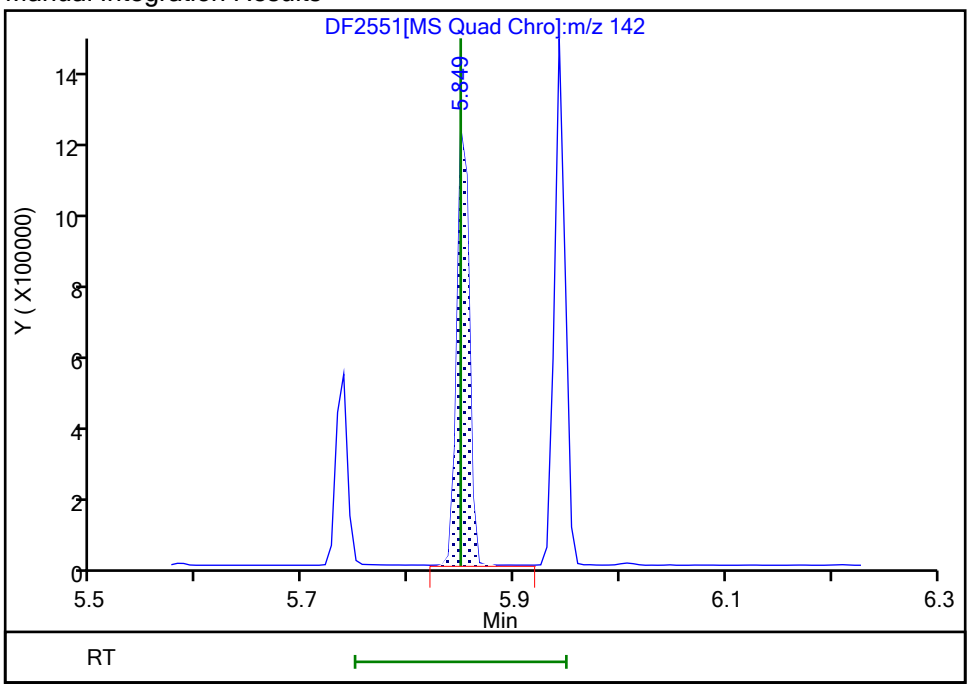
Processing Integration Results

RT: 5.94
Area: 1029026
Amount: 0.213643
Amount Units: ug/ml



Manual Integration Results

RT: 5.85
Area: 979655
Amount: 12.401255
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:12:19 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

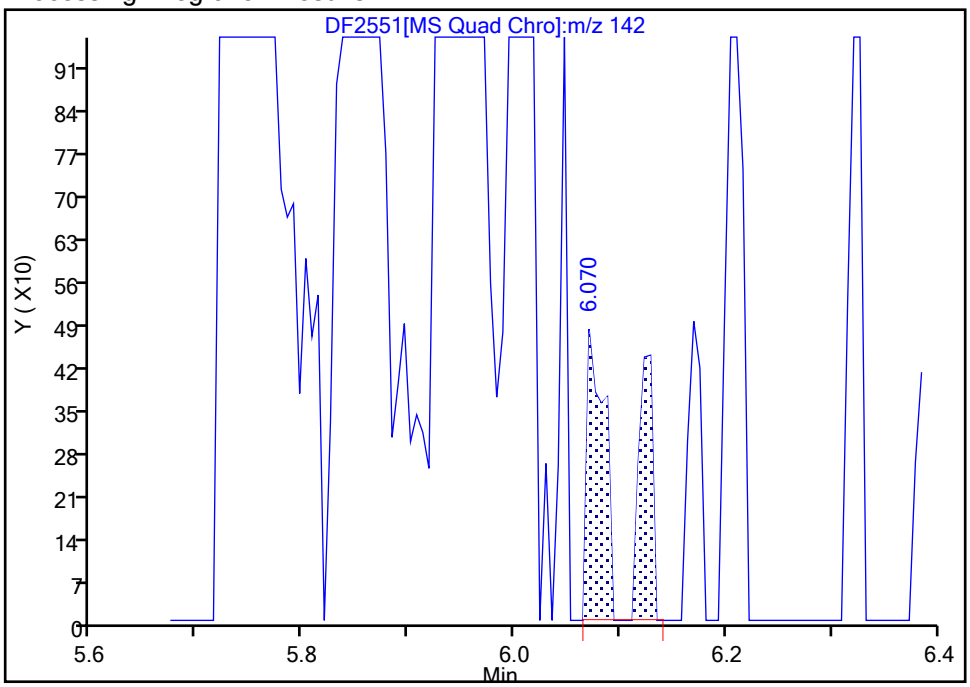
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Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

67 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

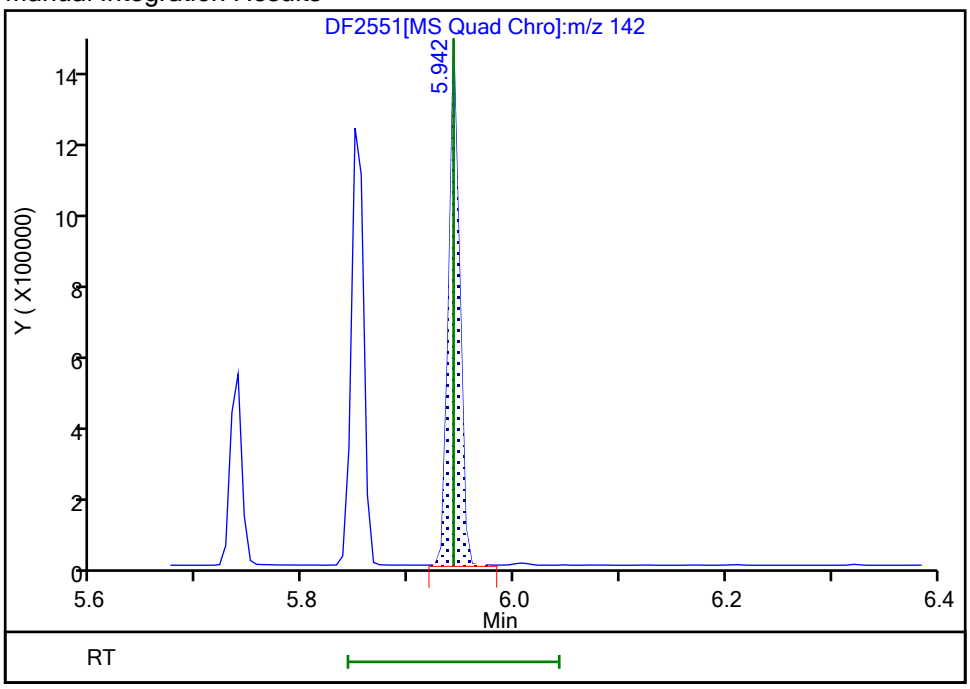
Processing Integration Results

RT: 6.07
Area: 948
Amount: 0.071308
Amount Units: ug/ml



Manual Integration Results

RT: 5.94
Area: 1029026
Amount: 12.495043
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:12:40 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

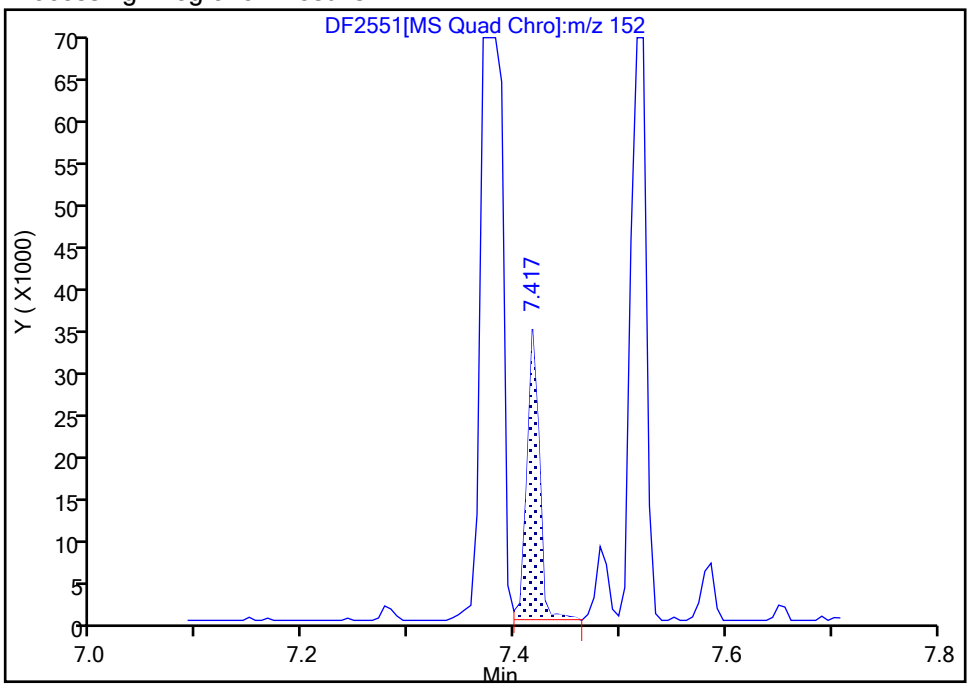
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

104 N-Nitro-o-toluidine, CAS: 99-55-8

Signal: 1

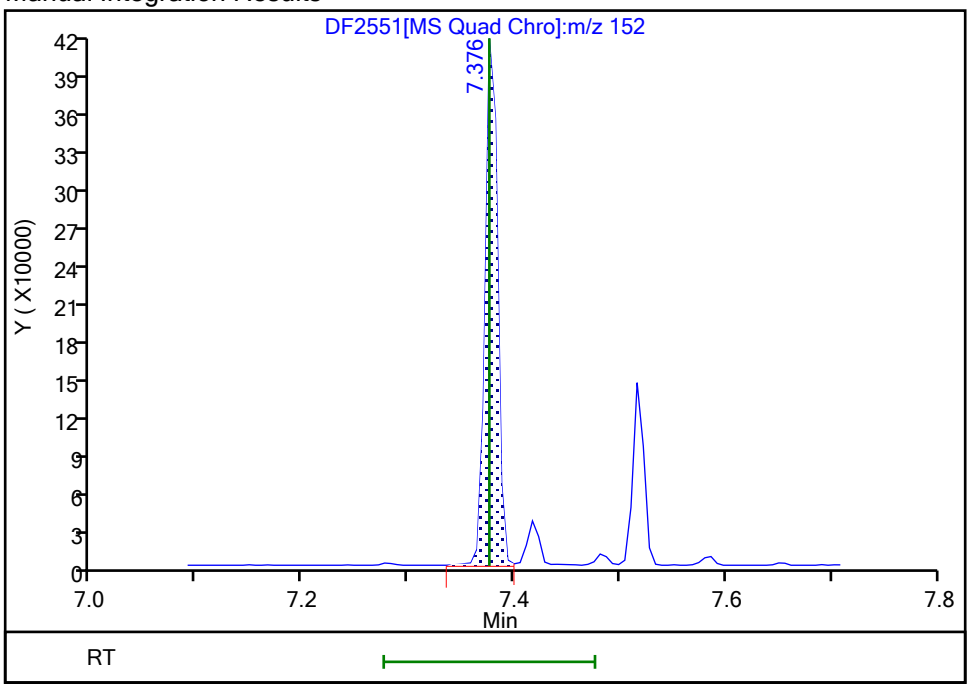
Processing Integration Results

RT: 7.42
Area: 28273
Amount: 7.742557
Amount Units: ug/ml



Manual Integration Results

RT: 7.38
Area: 339976
Amount: 13.240296
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:04 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

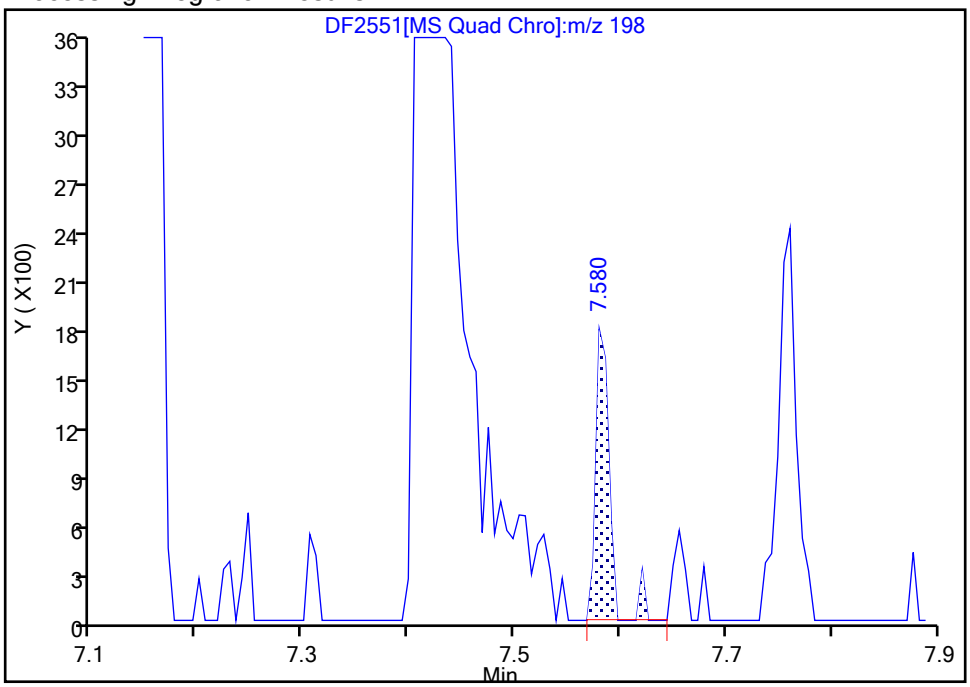
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

106 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Signal: 1

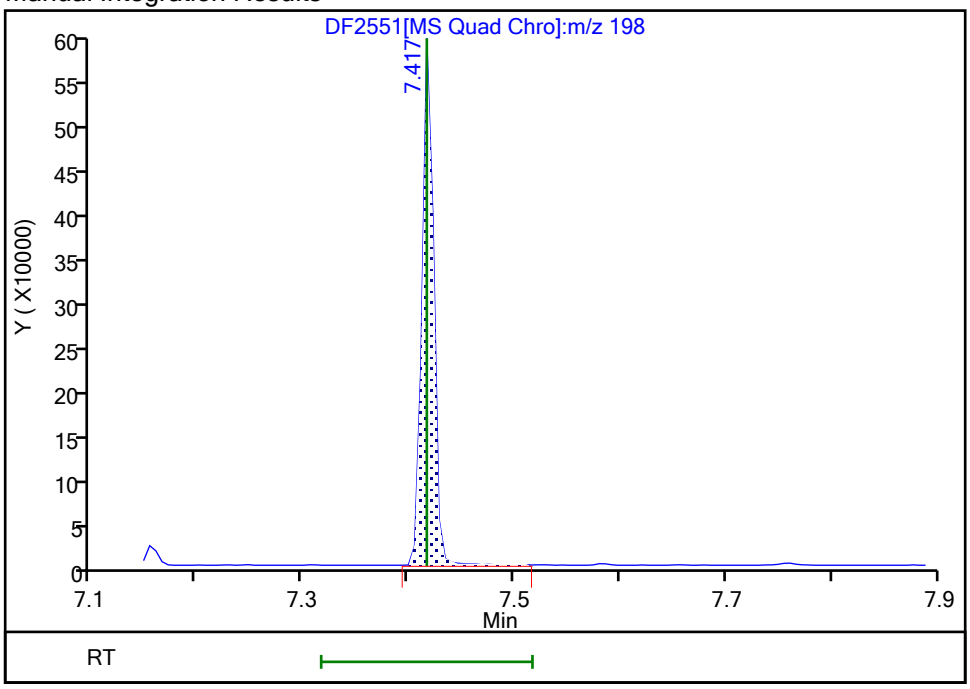
Processing Integration Results

RT: 7.58
Area: 1586
Amount: 0.260293
Amount Units: ug/ml



Manual Integration Results

RT: 7.42
Area: 454305
Amount: 26.916224
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:20 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

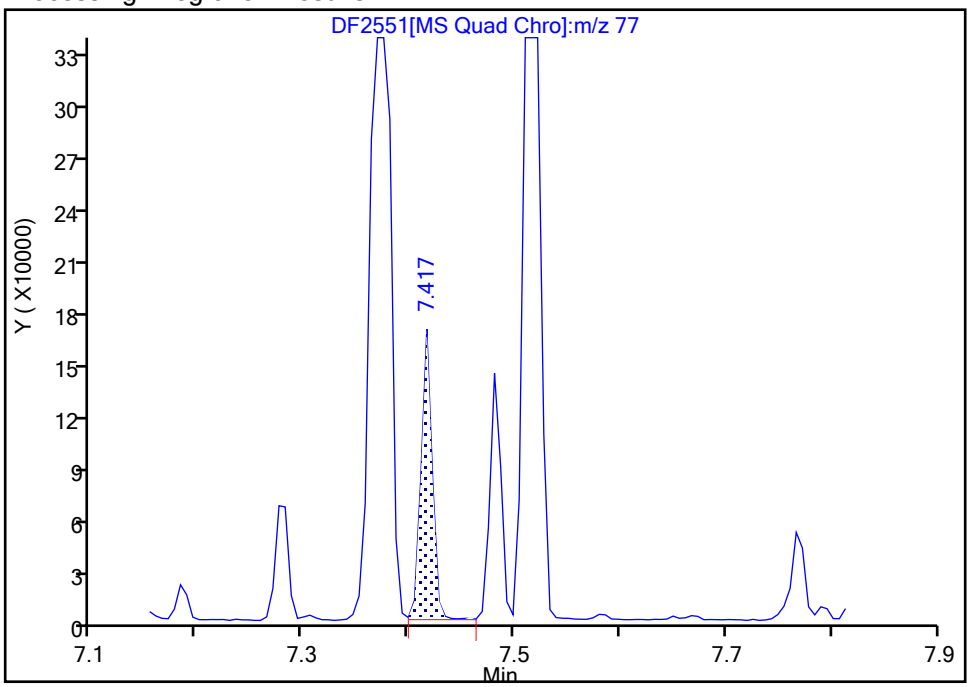
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

108 1,2-Diphenylhydrazine, CAS: 122-66-7

Signal: 1

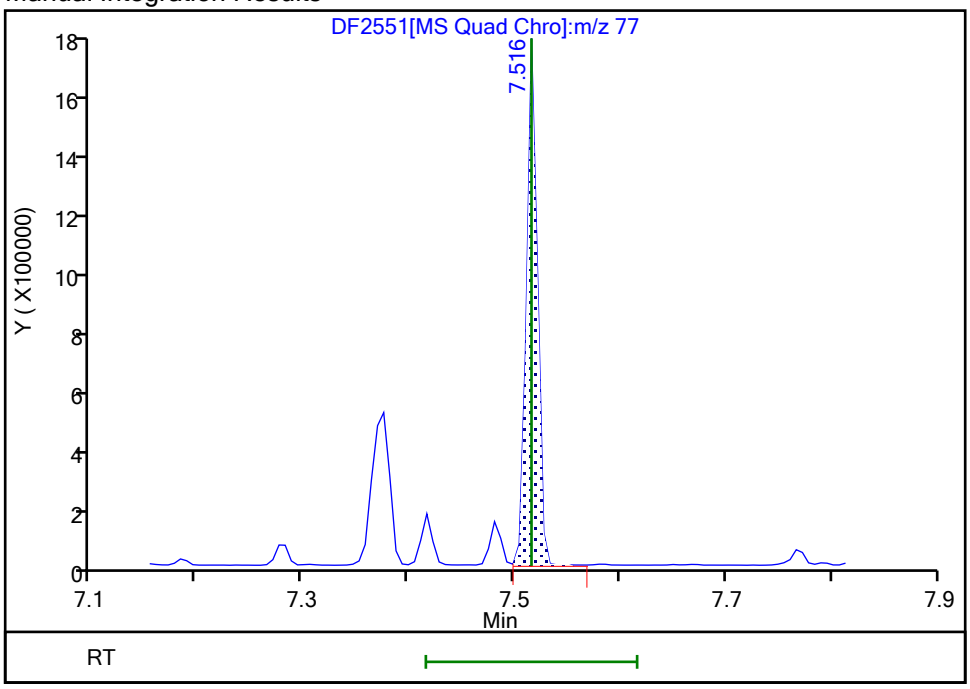
Processing Integration Results

RT: 7.42
Area: 124835
Amount: 0.064954
Amount Units: ug/ml



Manual Integration Results

RT: 7.52
Area: 1240841
Amount: 12.857363
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:14 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

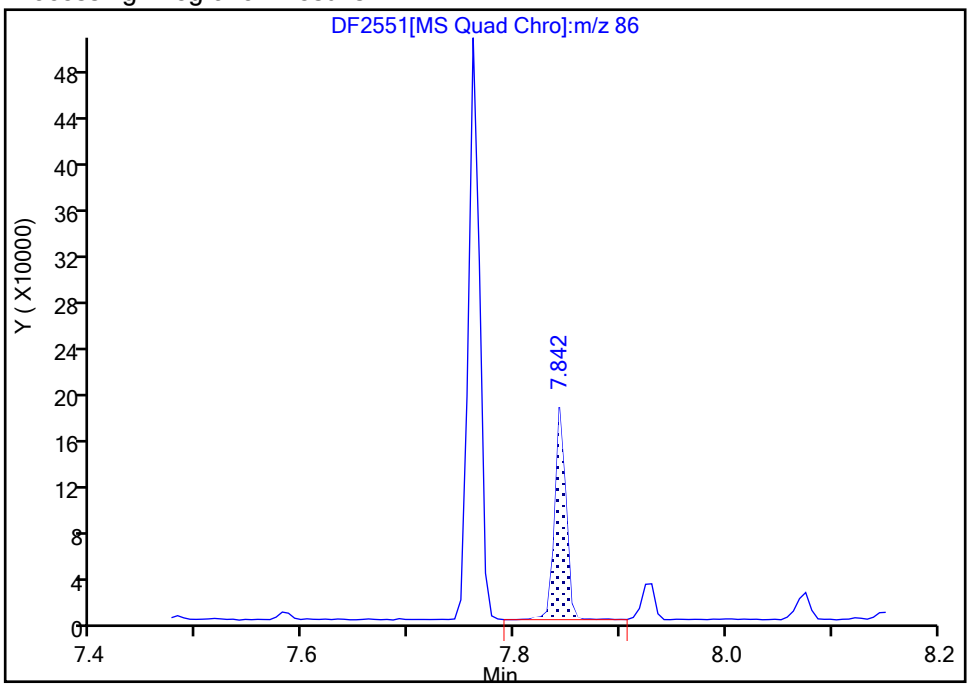
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Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

113 cis-Diallate, CAS: 17708-57-5

Signal: 1

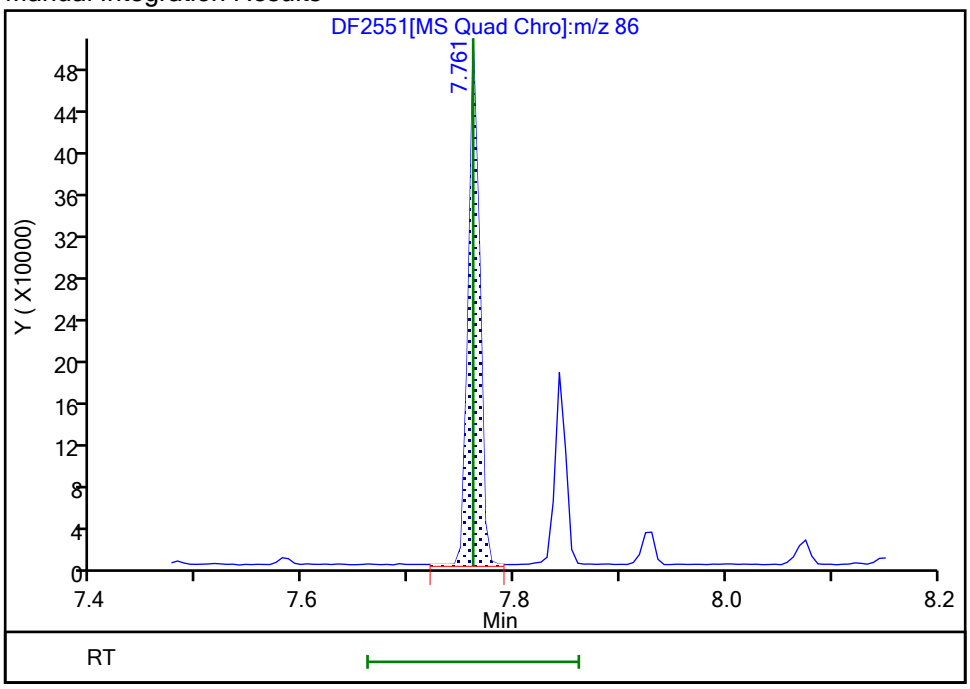
Processing Integration Results

RT: 7.84
Area: 138236
Amount: 0.062865
Amount Units: ug/ml



Manual Integration Results

RT: 7.76
Area: 374800
Amount: 8.843584
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:35 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

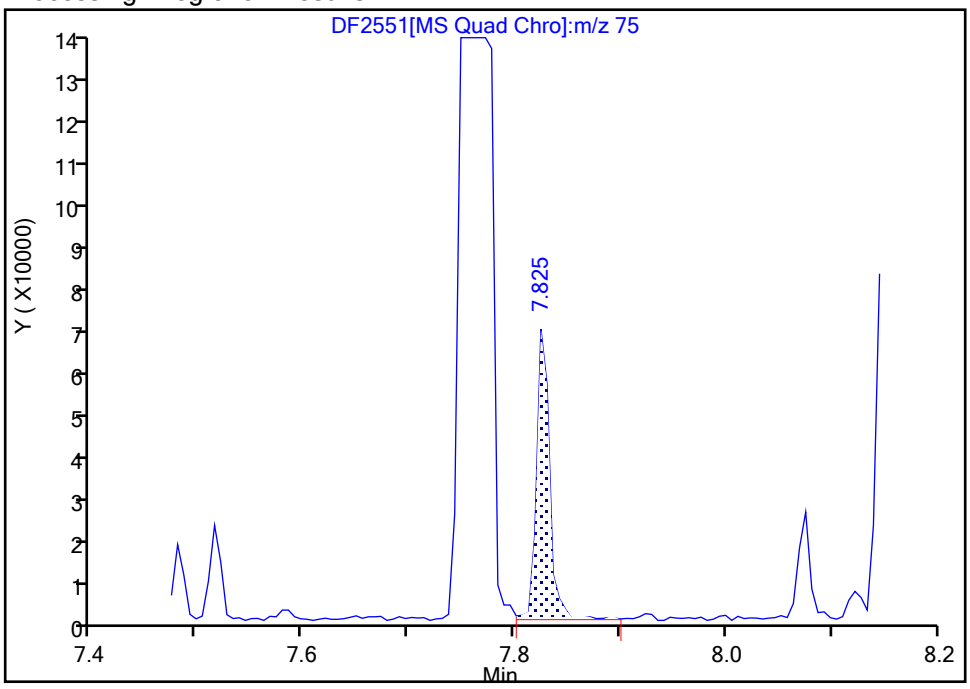
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

114 Phorate, CAS: 298-02-2

Signal: 1

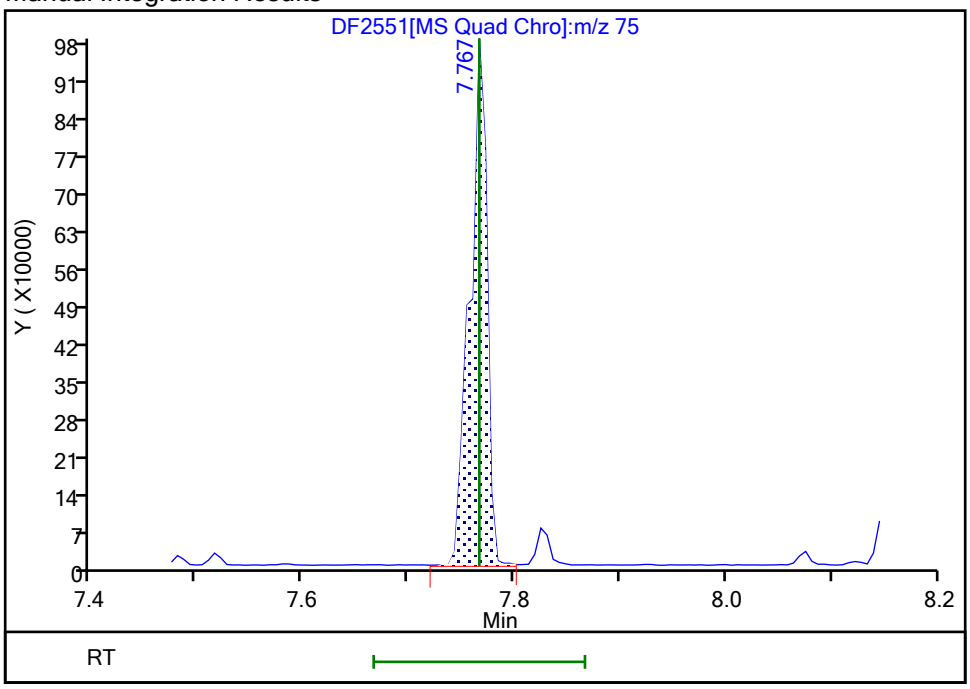
Processing Integration Results

RT: 7.82
Area: 60924
Amount: 0.109171
Amount Units: ug/ml



Manual Integration Results

RT: 7.77
Area: 1102815
Amount: 14.397778
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

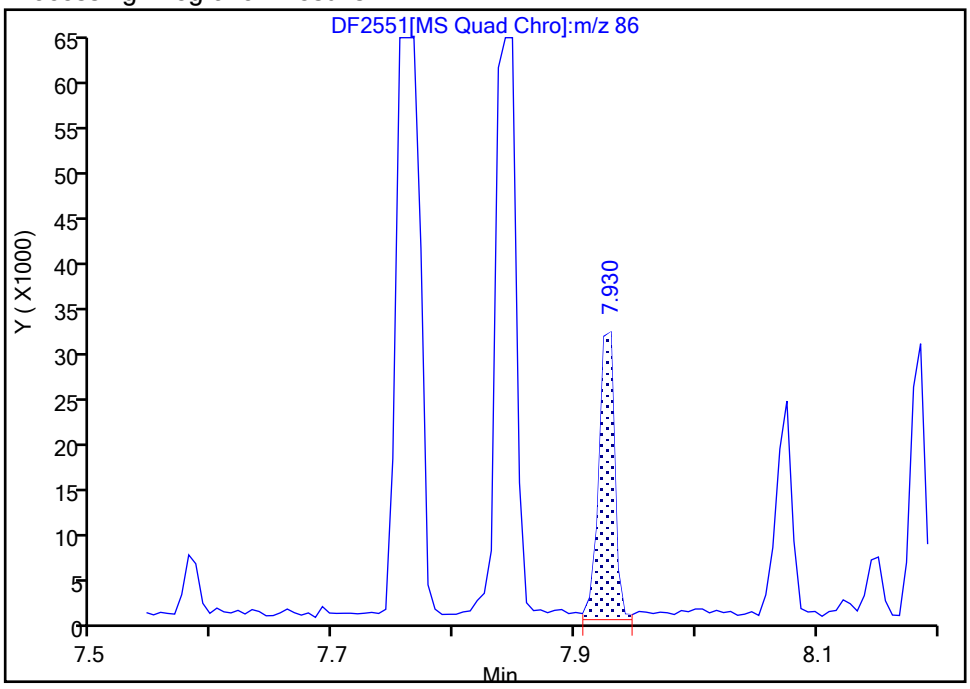
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Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

117 trans-Diallate, CAS: 17708-58-6

Signal: 1

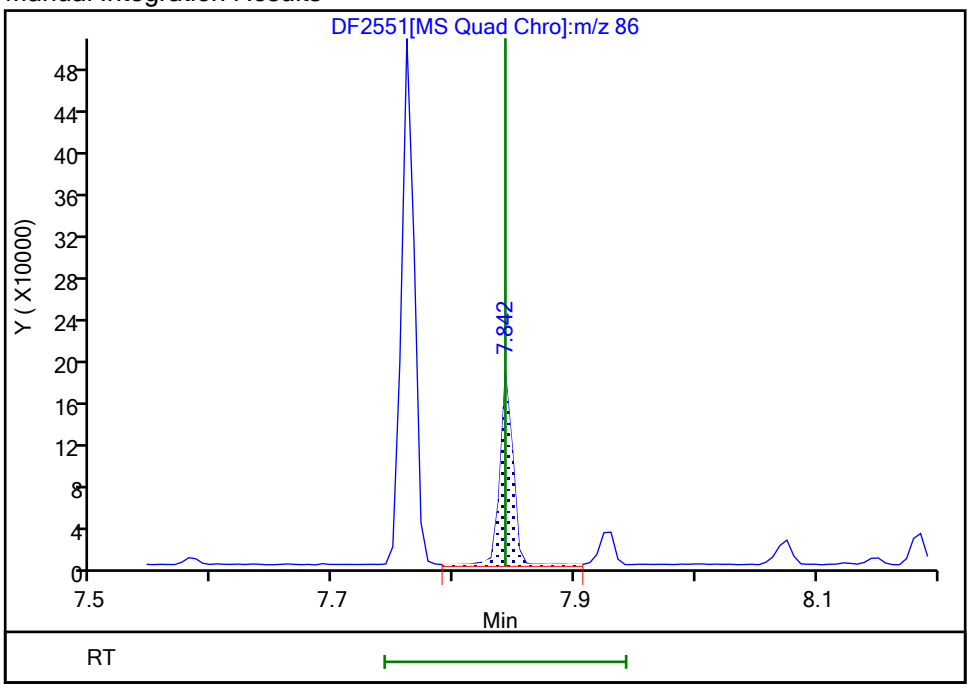
Processing Integration Results

RT: 7.93
Area: 28836
Amount: 0.015960
Amount Units: ug/ml



Manual Integration Results

RT: 7.84
Area: 138236
Amount: 3.179525
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

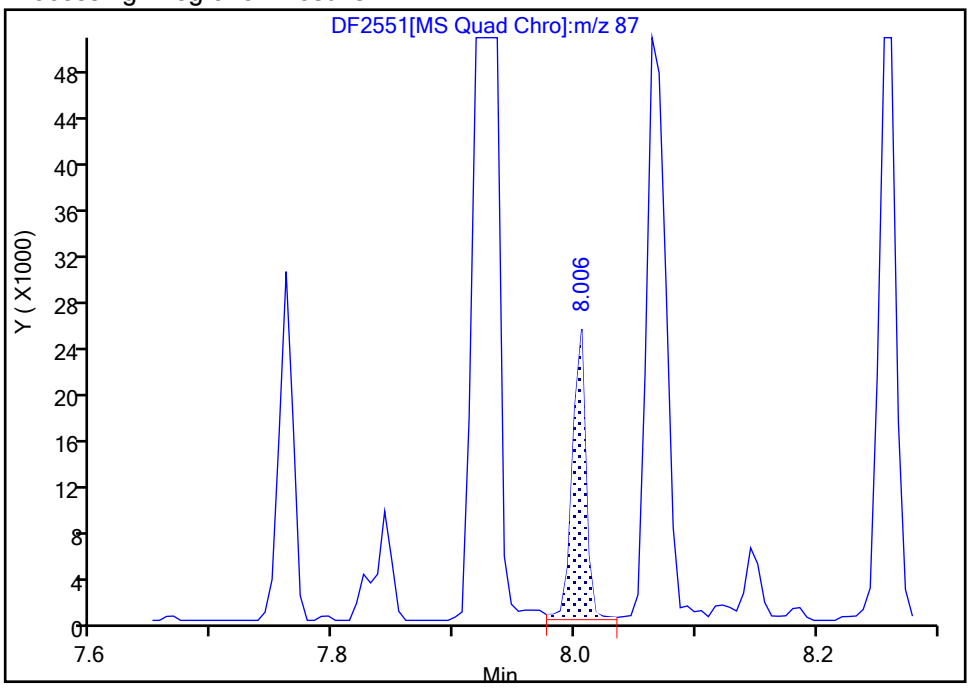
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

119 Dimethoate, CAS: 60-51-5

Signal: 1

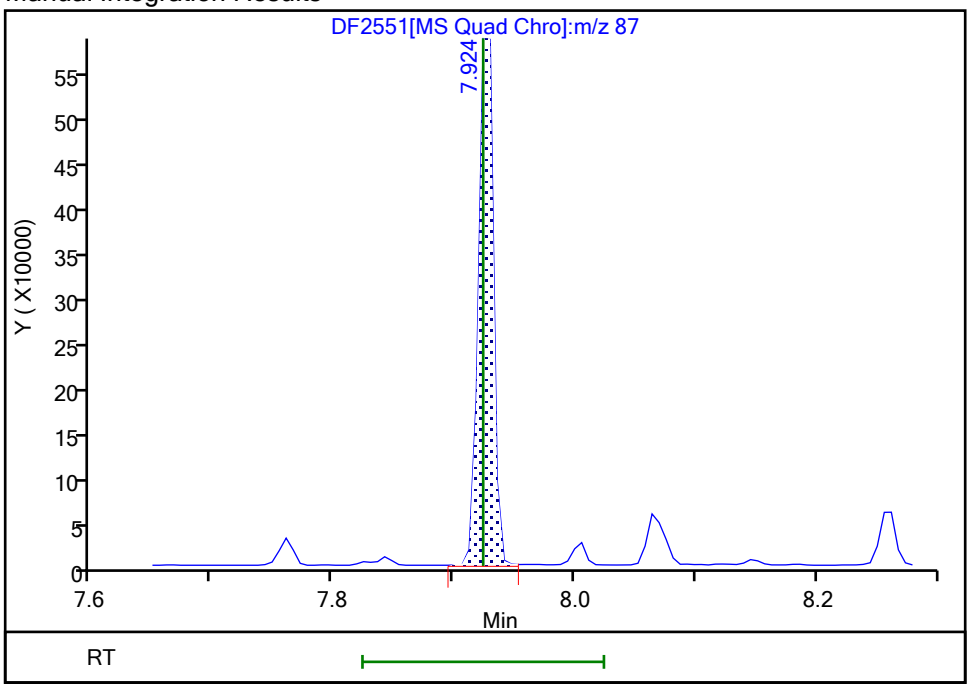
Processing Integration Results

RT: 8.01
Area: 19872
Amount: 0.159331
Amount Units: ug/ml



Manual Integration Results

RT: 7.92
Area: 515704
Amount: 13.913280
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:40 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

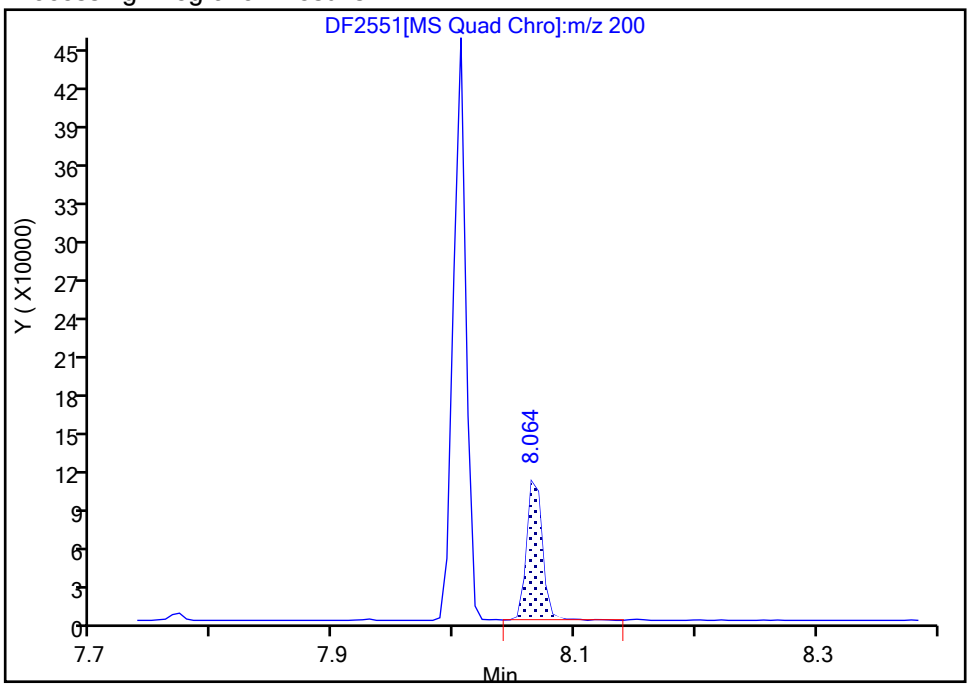
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Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

120 Atrazine, CAS: 1912-24-9

Signal: 1

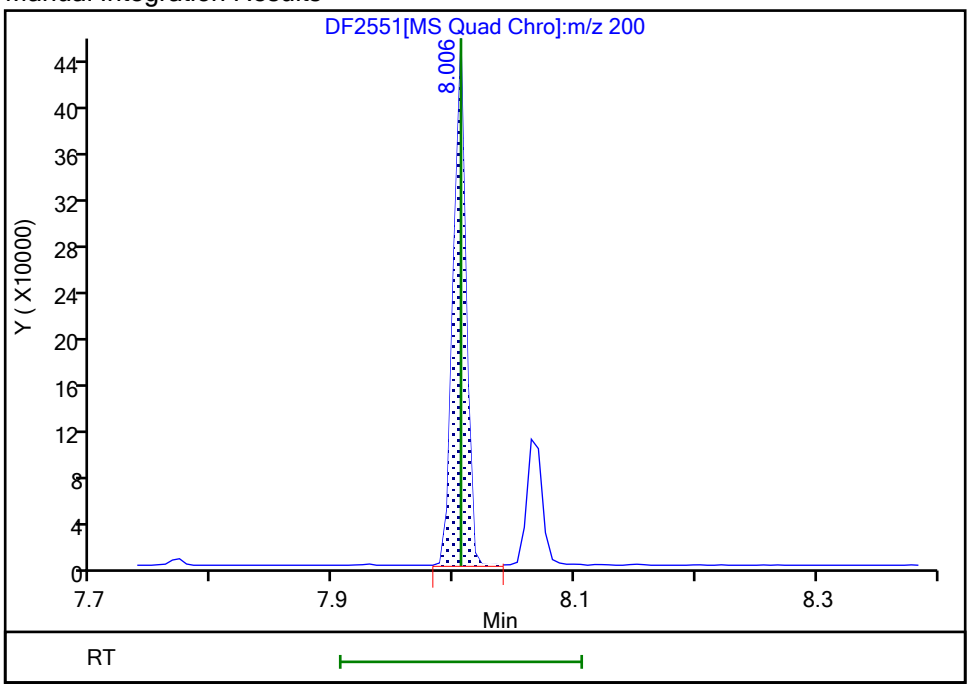
Processing Integration Results

RT: 8.06
Area: 98596
Amount: 0.099939
Amount Units: ug/ml



Manual Integration Results

RT: 8.01
Area: 329345
Amount: 13.556506
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:42 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

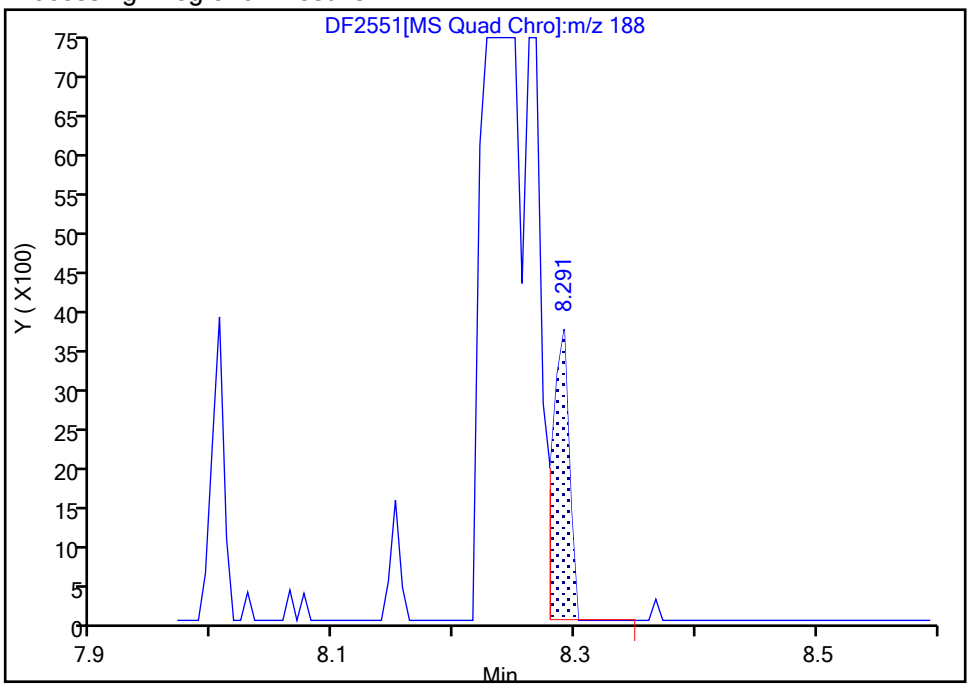
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

* 126 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

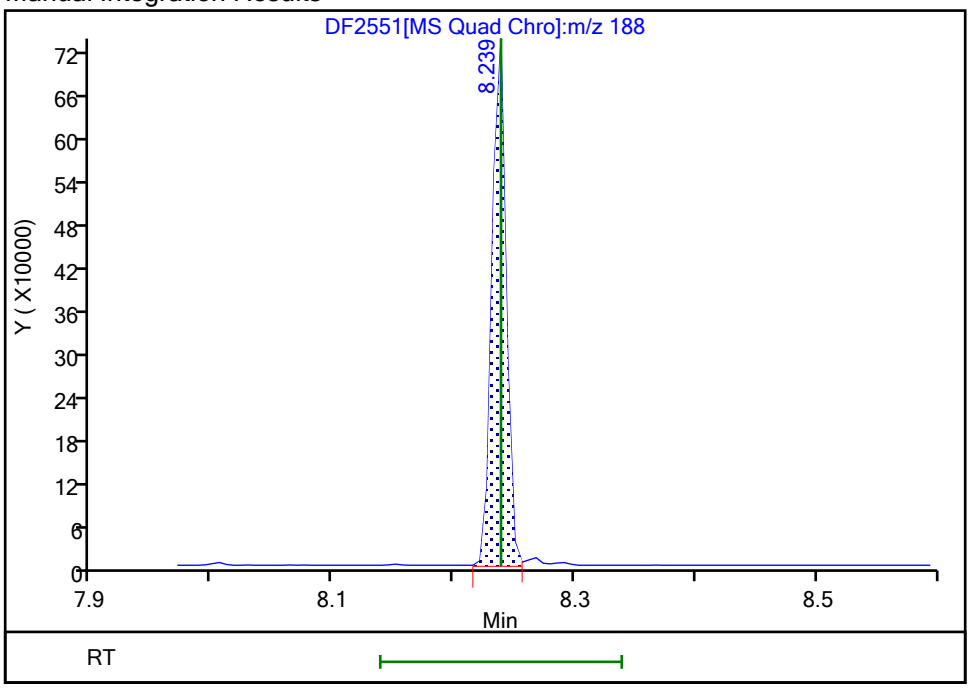
Processing Integration Results

RT: 8.29
Area: 3246
Amount: 5.000000
Amount Units: ug/ml



Manual Integration Results

RT: 8.24
Area: 602020
Amount: 5.000000
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:11:35 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

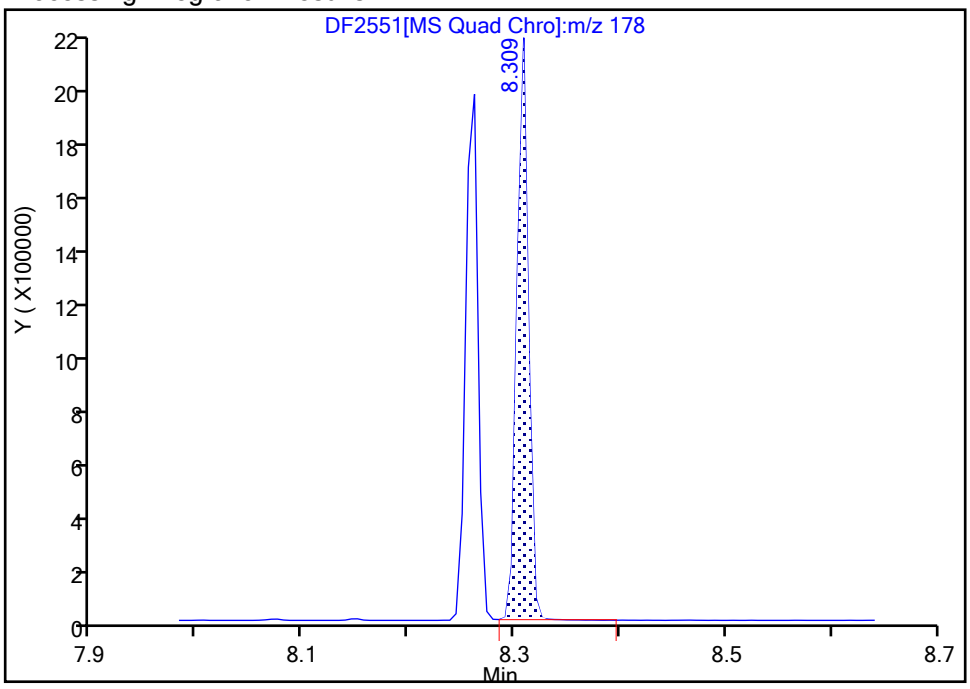
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Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

128 Phenanthrene, CAS: 85-01-8

Signal: 1

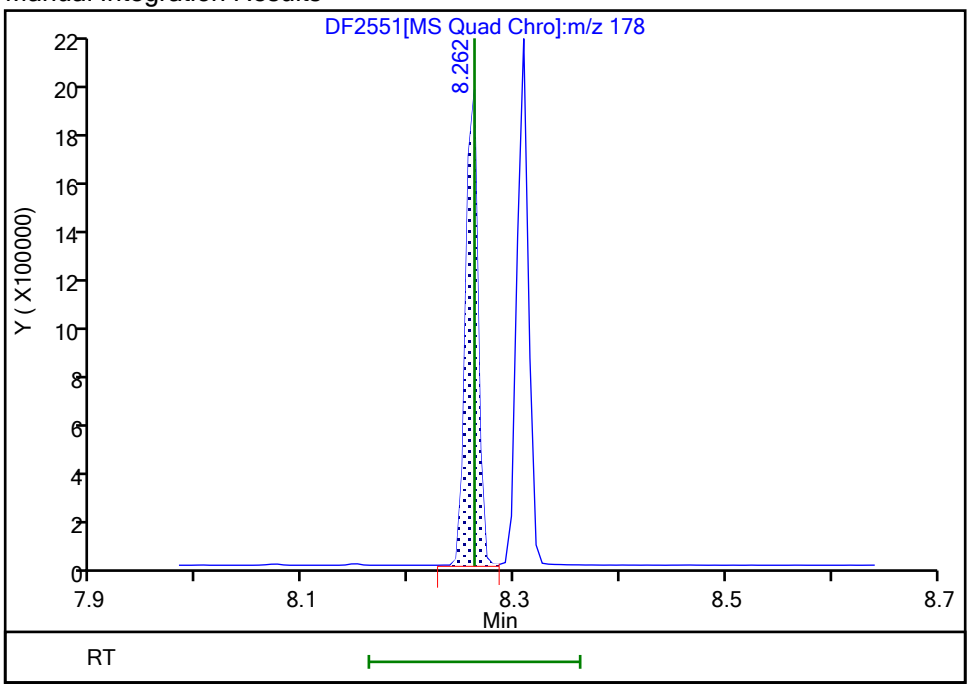
Processing Integration Results

RT: 8.31
Area: 1644779
Amount: 0.114637
Amount Units: ug/ml



Manual Integration Results

RT: 8.26
Area: 1604289
Amount: 12.064702
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:52 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

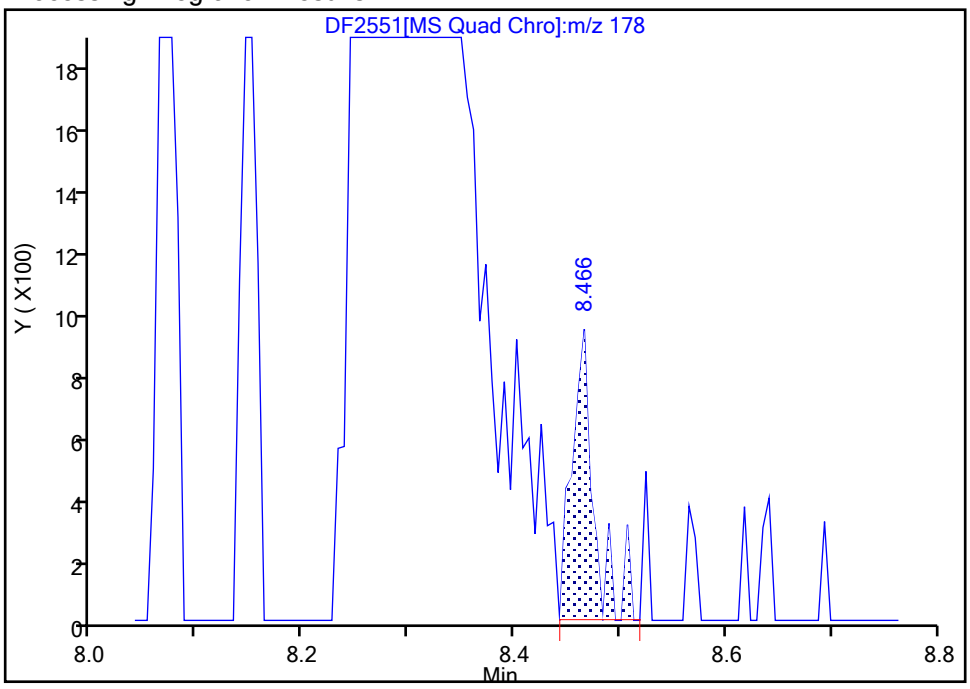
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 Anthracene, CAS: 120-12-7

Signal: 1

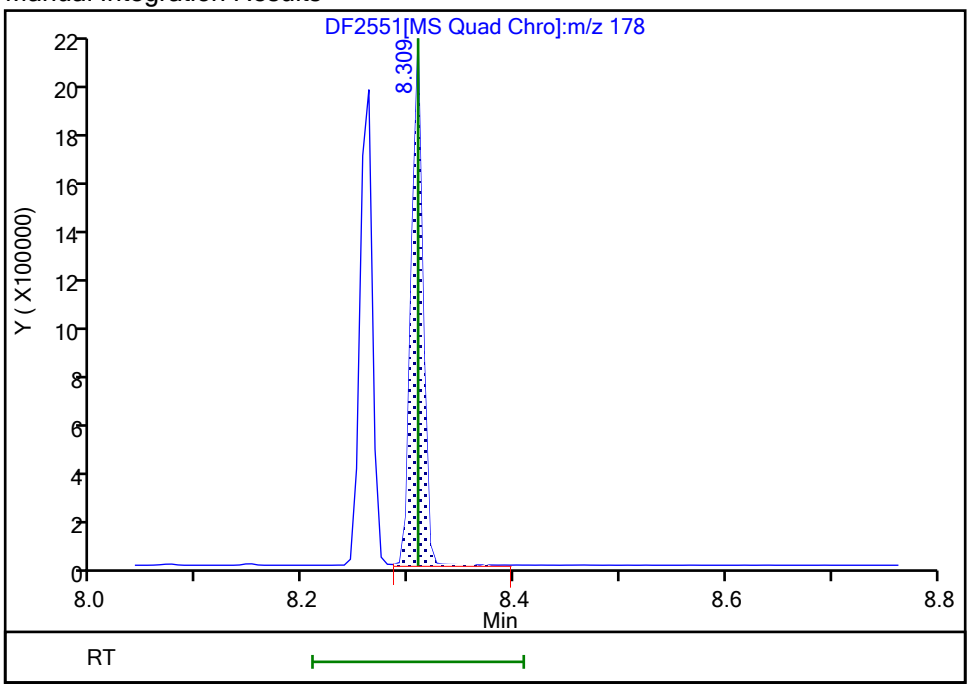
Processing Integration Results

RT: 8.47
Area: 1326
Amount: 0.084316
Amount Units: ug/ml



Manual Integration Results

RT: 8.31
Area: 1644779
Amount: 12.613470
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:13:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

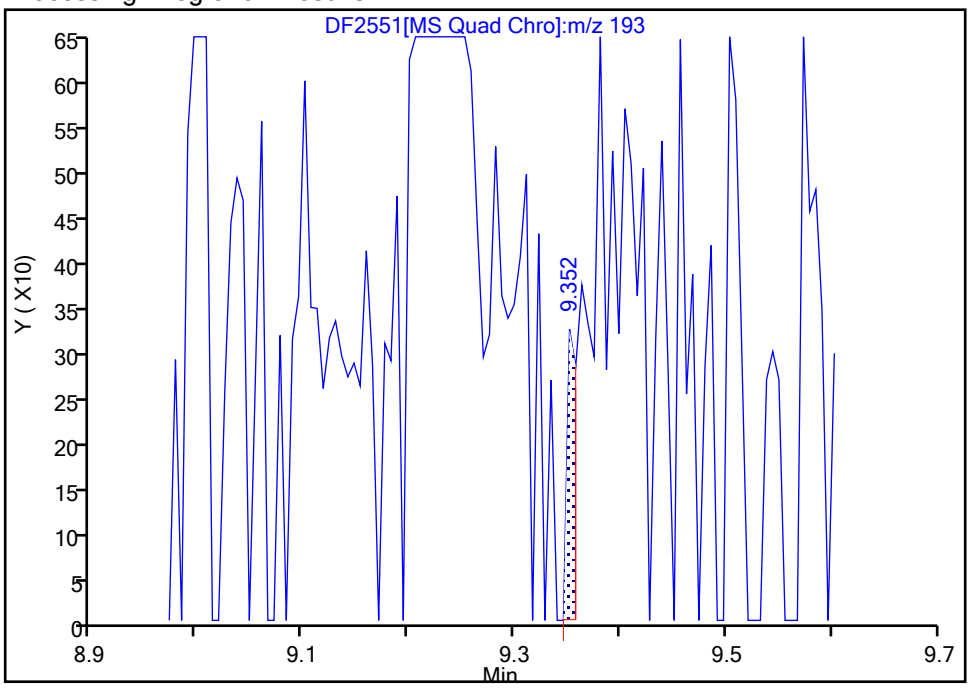
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

141 Isodrin, CAS: 465-73-6

Signal: 1

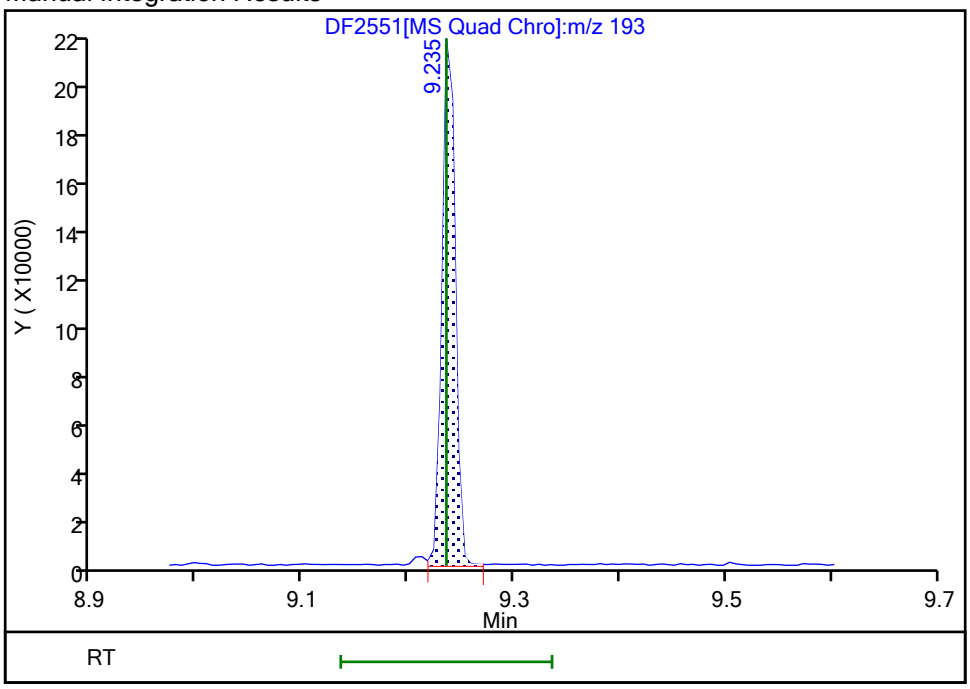
Processing Integration Results

RT: 9.35
Area: 162
Amount: 0.006261
Amount Units: ug/ml



Manual Integration Results

RT: 9.24
Area: 190326
Amount: 12.153657
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:14:05 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

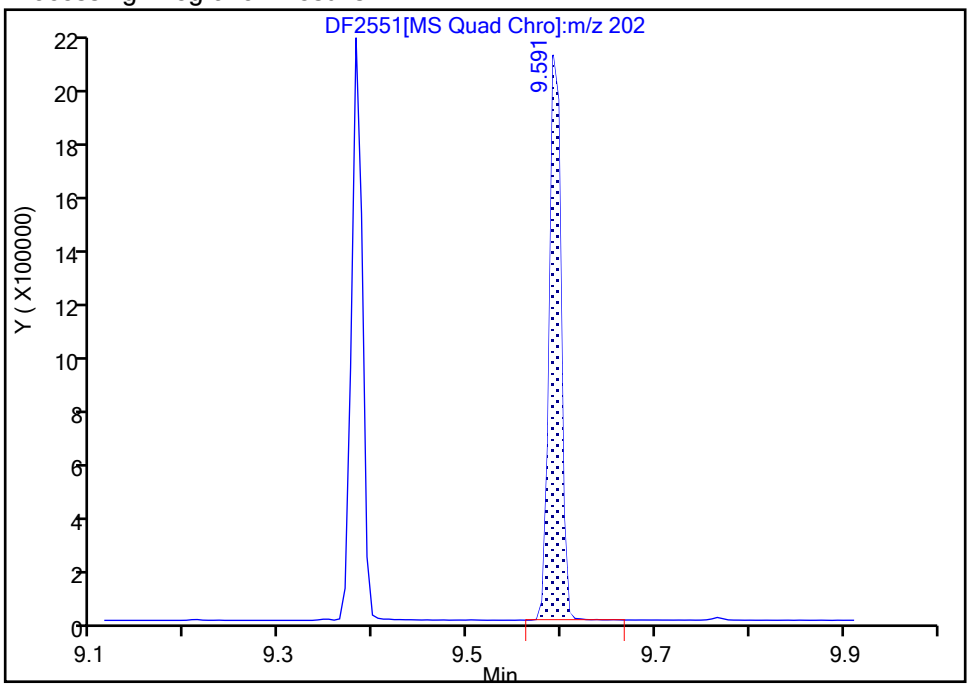
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Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

143 Fluoranthene, CAS: 206-44-0

Signal: 1

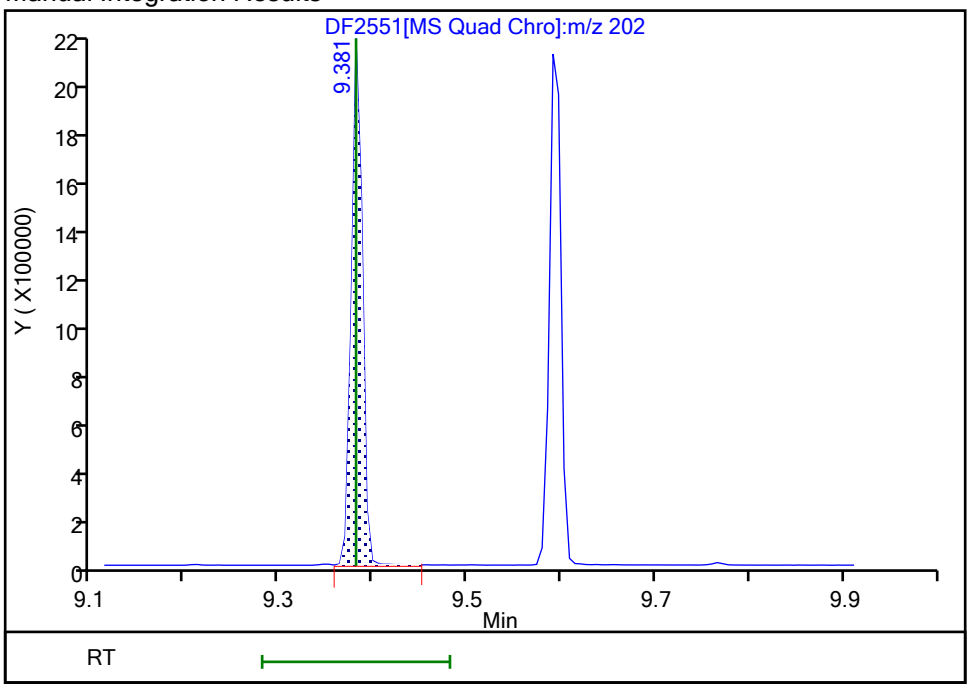
Processing Integration Results

RT: 9.59
Area: 1829662
Amount: 0.106510
Amount Units: ug/ml



Manual Integration Results

RT: 9.38
Area: 1762499
Amount: 12.741434
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:14:12 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

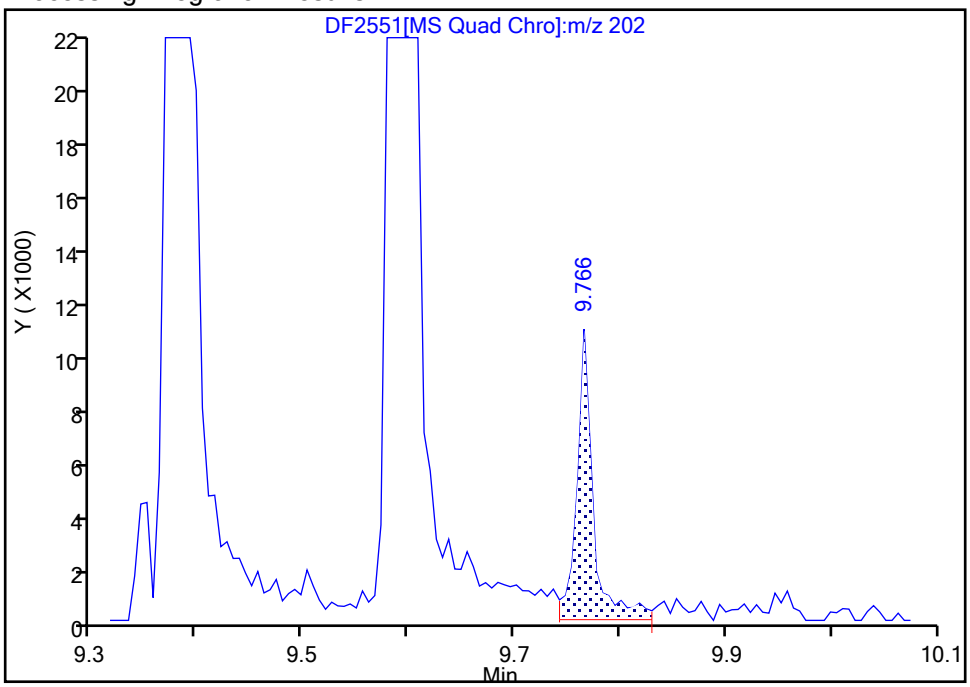
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2551.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP19760		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

150 Pyrene, CAS: 129-00-0

Signal: 1

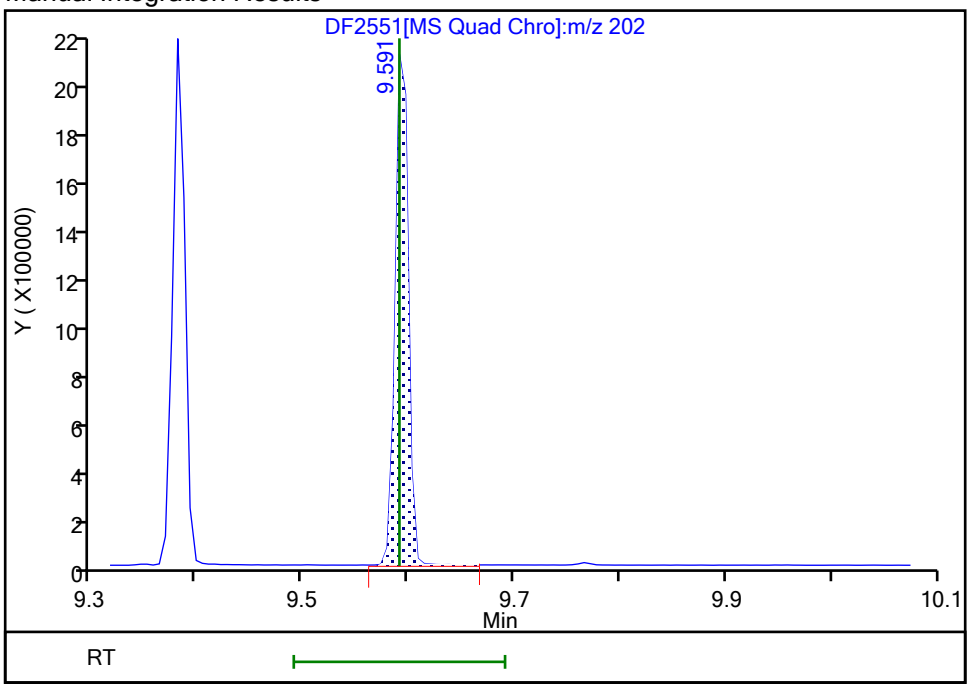
Processing Integration Results

RT: 9.77
Area: 11645
Amount: 13.583981
Amount Units: ug/ml



Manual Integration Results

RT: 9.59
Area: 1829662
Amount: 11.927697
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 02:14:14 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2552.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 25-Jun-2025 23:57:14 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0151574-003
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:27:19 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:07:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.407	1.408	-0.001	90	543159	30.0	30.3	
	3 N-Nitrosodimethylamine	74	1.617	1.612	0.005	88	849517	30.0	33.1	
	4 Pyridine	79	1.640	1.641	-0.001	96	2934748	60.0	64.7	
	6 Dimethylformamide	73	1.903	1.909	-0.006	89	994711	30.0	35.7	
	7 2-Picoline	93	2.188	2.189	-0.001	90	1664535	30.0	32.3	
	8 N-Nitrosomethylethylamine	88	2.276	2.276	0.000	90	699678	30.0	30.8	
	9 Methyl methanesulfonate	80	2.532	2.527	0.005	84	854097	30.0	32.4	
$	10 2-Fluorophenol	112	2.695	2.684	0.011	91	2795900	60.0	65.9	
	11 N-Nitrosodiethylamine	102	2.888	2.882	0.006	84	729550	30.0	32.2	
	12 Ethyl methanesulfonate	109	3.185	3.179	0.006	99	793072	30.0	32.0	
	15 Benzaldehyde	77	3.506	3.506	0.000	97	1109494	30.0	27.8	
$	16 Phenol-d5	99	3.593	3.587	0.006	96	3779098	60.0	64.9	
	17 Phenol	94	3.610	3.605	0.005	92	2066116	30.0	31.4	
	18 Aniline	93	3.616	3.611	0.005	96	2464951	30.0	31.6	
	19 Bis(2-chloroethyl)ether	93	3.686	3.681	0.005	99	1468495	30.0	30.8	
	20 2-Chlorophenol	128	3.733	3.727	0.006	94	1390335	30.0	32.4	
	21 1,3-Dichlorobenzene	146	3.879	3.873	0.006	95	1504842	30.0	30.9	
*	22 1,4-Dichlorobenzene-d4	152	3.937	3.931	0.006	95	162337	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.949	3.949	-0.001	92	1519405	30.0	31.5	
	25 Benzyl alcohol	108	4.077	4.077	0.000	91	975815	30.0	33.0	
	26 1,2-Dichlorobenzene	146	4.094	4.095	-0.001	96	1424811	30.0	30.9	
	28 2-Methylphenol	108	4.205	4.199	0.006	93	1340971	30.0	32.8	
	29 2,2'-oxybis[1-chloropropane]	45	4.211	4.211	0.000	93	1315296	30.0	30.7	
	31 N-Nitrosopyrrolidine	100	4.322	4.310	0.012	86	786646	30.0	32.7	
	34 Acetophenone	105	4.333	4.328	0.005	94	2098969	30.0	30.8	
	33 N-Nitrosodi-n-propylamine	70	4.345	4.339	0.006	68	1051215	30.0	31.6	
	32 4-Methylphenol	108	4.357	4.351	0.006	92	1488095	30.0	31.6	
	35 N-Nitrosomorpholine	56	4.362	4.351	0.011	86	747199	30.0	30.2	
	36 2-Toluidine	106	4.368	4.363	0.005	95	2298131	30.0	31.2	
	38 Hexachloroethane	117	4.421	4.421	0.000	96	639097	30.0	31.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.479	4.473	0.006	85	3074269	60.0	62.8	
40 Nitrobenzene	77	4.496	4.491	0.005	84	1502758	30.0	31.3	
42 N-Nitrosopiperidine	114	4.642	4.637	0.005	90	710385	30.0	32.6	
43 Isophorone	82	4.730	4.730	0.000	97	2771133	30.0	32.6	
44 2-Nitrophenol	139	4.805	4.800	0.005	89	723174	30.0	34.6	
45 2,4-Dimethylphenol	107	4.864	4.864	0.000	96	1472204	30.0	32.5	
46 o,o',o''-Triethylphosphorothioat	198	4.934	4.928	0.006	87	656592	30.0	31.6	
47 Bis(2-chloroethoxy)methane	93	4.957	4.951	0.006	96	1751949	30.0	31.4	
48 2,4-Dichlorophenol	162	5.044	5.039	0.005	94	1101077	30.0	33.7	
49 1,2,4-Trichlorobenzene	180	5.114	5.115	-0.001	94	1167572	30.0	31.5	
* 50 Naphthalene-d8	136	5.167	5.167	0.000	99	580674	5.00	5.00	
51 Naphthalene	128	5.184	5.185	-0.001	97	3790213	30.0	30.4	
52 Alpha-Terpineol	59	5.213	5.208	0.005	91	976169	30.0	32.4	
53 4-Chloroaniline	127	5.254	5.249	0.005	94	1604268	30.0	32.6	
54 2,6-Dichlorophenol	162	5.260	5.254	0.006	97	1045801	30.0	32.4	
55 Hexachloropropene	213	5.272	5.272	0.000	88	864203	30.0	32.4	
56 Hexachlorobutadiene	225	5.312	5.313	-0.001	96	695236	30.0	31.8	
60 Quinoline	129	5.511	5.505	0.006	96	2519579	30.0	31.3	
61 Caprolactam	113	5.592	5.569	0.023	79	382350	30.0	32.4	a
62 N-Nitrosodi-n-butylamine	84	5.586	5.581	0.005	88	1280646	30.0	32.3	
63 p-Phenylene diamine	108	5.604	5.593	0.011	95	1407813	30.0	33.3	
64 4-Chloro-3-methylphenol	107	5.744	5.738	0.006	93	1279372	30.0	33.7	
65 Safrole, Total	162	5.785	5.779	0.006	88	983328	30.0	32.4	
66 2-Methylnaphthalene	142	5.854	5.849	0.005	90	2160524	30.0	30.8	
67 1-Methylnaphthalene	142	5.948	5.942	0.006	91	2243409	30.0	30.7	
68 Hexachlorocyclopentadiene	237	6.006	6.001	0.005	95	907860	30.0	36.3	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	1164084	30.0	30.5	
70 Isosafrole Peak 1	162	6.058	6.059	-0.001	88	176041	4.80	5.35	
71 2,4,6-Trichlorophenol	196	6.134	6.129	0.005	93	762641	30.0	34.2	
72 2,4,5-Trichlorophenol	196	6.169	6.170	-0.001	93	829958	30.0	33.9	
$ 73 2-Fluorobiphenyl (Surr)	172	6.216	6.210	0.006	99	5080025	60.0	59.3	
74 Isosafrole Peak 2	162	6.280	6.274	0.006	90	970484	25.2	27.3	
75 1,1'-Biphenyl	154	6.303	6.304	-0.001	96	2916696	30.0	30.3	
76 2-Chloronaphthalene	162	6.315	6.315	0.000	97	2303815	30.0	30.6	M
77 1-Chloronaphthalene	162	6.332	6.333	-0.001	97	2007425	30.0	30.1	Ma
78 Phenyl ether	170	6.408	6.403	0.005	82	1656131	30.0	30.7	
79 2-Nitroaniline	138	6.426	6.420	0.006	83	790568	30.0	33.7	
81 1,4-Naphthoquinone	158	6.490	6.484	0.006	86	900994	30.0	34.2	
84 1,4-Dinitrobenzene	168	6.560	6.560	0.000	88	417614	30.0	35.8	
85 Dimethyl phthalate	163	6.612	6.607	0.005	98	2576629	30.0	31.1	
86 1,3-Dinitrobenzene	168	6.630	6.624	0.006	87	445134	30.0	32.5	
87 2,6-Dinitrotoluene	165	6.659	6.659	0.000	95	593617	30.0	33.6	
88 Acenaphthylene	152	6.705	6.700	0.005	98	3648329	30.0	31.7	
89 3-Nitroaniline	138	6.816	6.811	0.005	92	689291	30.0	35.0	
* 90 Acenaphthene-d10	164	6.840	6.834	0.006	95	305415	5.00	5.00	
91 Acenaphthene	153	6.869	6.869	0.000	96	2352319	30.0	30.2	
92 2,4-Dinitrophenol	184	6.921	6.916	0.005	90	838588	60.0	68.3	
94 Pentachlorobenzene	250	6.997	6.991	0.006	98	1017969	30.0	30.4	
93 4-Nitrophenol	109	7.009	7.003	0.006	84	916527	60.0	69.5	
96 Dibenzofuran	168	7.038	7.032	0.006	98	3204262	30.0	30.1	
95 2,4-Dinitrotoluene	165	7.044	7.038	0.006	92	808408	30.0	33.2	
97 1-Naphthylamine	143	7.113	7.108	0.005	98	2324653	30.0	31.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.160	7.155	0.005	74	672246	30.0	33.1	
99 2-Naphthylamine	143	7.189	7.184	0.005	94	2432667	30.0	31.6	
100 Diethyl phthalate	149	7.288	7.283	0.005	98	2617592	30.0	31.4	
101 Thionazin	107	7.358	7.353	0.005	80	507772	30.0	32.4	
102 Fluorene	166	7.358	7.359	-0.001	93	2536606	30.0	30.6	
103 4-Chlorophenyl phenyl ether	204	7.370	7.370	0.000	90	1230231	30.0	30.0	
104 N-Nitro-o-toluidine	152	7.382	7.376	0.006	90	759960	30.0	33.7	
105 4-Nitroaniline	138	7.399	7.388	0.011	79	652286	30.0	33.7	
106 4,6-Dinitro-2-methylphenol	198	7.428	7.417	0.011	84	1020168	60.0	66.9	
107 N-Nitrosodiphenylamine	169	7.486	7.481	0.005	62	1860293	25.5	26.7	
108 1,2-Diphenylhydrazine	77	7.521	7.516	0.005	42	2710771	30.0	31.1	
$ 109 2,4,6-Tribromophenol	330	7.591	7.586	0.005	92	814792	60.0	66.1	
110 Sulfotepp	97	7.656	7.650	0.006	78	493653	30.0	31.8	
112 1,3,5-Trinitrobenzene	213	7.766	7.755	0.011	75	302028	30.0	35.4	
113 cis-Diallate	86	7.766	7.761	0.005	0	809934	22.2	21.2	
114 Phorate	75	7.772	7.767	0.005	96	2403899	30.0	28.5	
115 Phenacetin	108	7.801	7.790	0.011	92	1448660	30.0	34.0	
116 4-Bromophenyl phenyl ether	248	7.830	7.831	-0.001	62	739925	30.0	30.4	
117 trans-Diallate	86	7.848	7.842	0.006	0	300273	7.80	7.64	
118 Hexachlorobenzene	284	7.871	7.872	-0.001	94	810791	30.0	29.8	
119 Dimethoate	87	7.935	7.924	0.011	96	1099712	30.0	32.8	
120 Atrazine	200	8.011	8.006	0.005	94	656169	30.0	29.9	
121 Pentachlorophenol	266	8.069	8.070	-0.001	92	1118745	60.0	71.7	
123 Pentachloronitrobenzene	237	8.075	8.076	-0.001	84	380590	30.0	31.5	
122 4-Aminobiphenyl	169	8.081	8.076	0.005	91	2877999	30.0	31.0	
124 Pronamide	173	8.157	8.151	0.006	89	1222667	30.0	33.7	
* 126 Phenanthrene-d10	188	8.238	8.239	-0.001	98	543916	5.00	5.00	
125 Dinoseb	211	8.256	8.256	0.000	94	775688	30.0	34.9	
128 Phenanthrene	178	8.262	8.262	0.000	98	3443501	30.0	28.7	
127 Disulfoton	88	8.268	8.262	0.006	95	1586613	30.0	30.1	
129 Anthracene	178	8.314	8.309	0.005	98	3605761	30.0	30.6	
130 Carbazole	167	8.477	8.472	0.005	96	3444772	30.0	31.2	
131 Methyl parathion	109	8.617	8.618	-0.001	90	950936	30.0	35.7	
133 Di-n-butyl phthalate	149	8.839	8.833	0.006	100	3915359	30.0	33.2	
134 Ethyl Parathion	109	8.996	8.991	0.005	84	557835	30.0	35.4	
135 4-Nitroquinoline-1-oxide	190	9.008	9.002	0.006	93	377576	30.0	32.1	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	313134	30.0	30.9	
141 Isodrin	193	9.241	9.235	0.006	94	427386	30.0	30.2	
143 Fluoranthene	202	9.387	9.381	0.006	98	3863330	30.0	30.9	
147 Benzidine	184	9.544	9.533	0.011	99	7561220	90.0	97.1	
* 149 Pyrene-d10 (IS)	212	9.579	9.573	0.006	99	522195	5.00	5.00	
150 Pyrene	202	9.596	9.591	0.005	97	3874540	30.0	29.0	
S 136 Diallate	86				0		30.0	28.8	
$ 152 p-Terphenyl-d14	244	9.771	9.766	0.005	100	4848388	60.0	60.4	
154 p-Dimethylamino azobenzene	225	9.911	9.906	0.005	94	708758	30.0	35.7	
155 Chlorobenzilate	139	9.958	9.958	0.000	88	1276602	30.0	34.6	
156 3,3'-Dimethylbenzidine	212	10.232	10.226	0.006	99	2176873	30.0	32.6	
157 Butyl benzyl phthalate	149	10.261	10.261	0.000	97	1687079	30.0	34.2	
158 2-Acetylaminofluorene	181	10.482	10.477	0.005	94	1552456	30.0	34.4	
159 3,3'-Dichlorobenzidine	252	10.786	10.780	0.006	74	1379069	30.0	34.3	
161 Benzo[a]anthracene	228	10.786	10.780	0.006	99	3429478	30.0	32.7	
160 4,4'-Methylene bis(2-chloroanil	231	10.791	10.792	-0.001	94	749311	30.0	33.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.826	10.821	0.005	97	3261471	30.0	31.1	
163 Bis(2-ethylhexyl) phthalate	149	10.890	10.885	0.005	95	2385922	30.0	35.5	
164 6-Methylchrysene	242	11.333	11.334	-0.001	99	2315118	30.0	32.8	
165 Di-n-octyl phthalate	149	11.666	11.660	0.006	98	3675159	30.0	36.6	
166 7,12-Dimethylbenz(a)anthracene	256	12.050	12.039	0.011	89	1541908	30.0	34.8	
167 Benzo[b]fluoranthene	252	12.044	12.039	0.005	97	3320232	30.0	33.0	
168 Benzo[k]fluoranthene	252	12.079	12.074	0.005	99	3396324	30.0	32.4	
169 Benzo[a]pyrene	252	12.452	12.447	0.005	77	3116279	30.0	34.2	M
* 170 Perylene-d12	264	12.522	12.517	0.005	98	414512	5.00	5.00	
171 3-Methylcholanthrene	268	12.936	12.925	0.011	91	1580831	30.0	35.7	
172 Dibenz[a,h]acridine	279	13.671	13.659	0.012	91	2397543	30.0	35.7	
173 Dibenz[a,j]acridine	279	13.741	13.729	0.012	96	2635213	30.0	36.1	
174 Indeno[1,2,3-cd]pyrene	276	13.962	13.951	0.011	99	2859826	30.0	34.9	
175 Dibenz(a,h)anthracene	278	14.003	13.992	0.011	93	2980842	30.0	34.7	
176 Benzo[g,h,i]perylene	276	14.318	14.301	0.018	98	2871834	30.0	32.9	
S 178 Dinitrotoluene	165				0		60.0	66.8	
S 182 Isosafrole	162				0		30.0	32.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_8_00044 Amount Added: 1.00 Units: mL

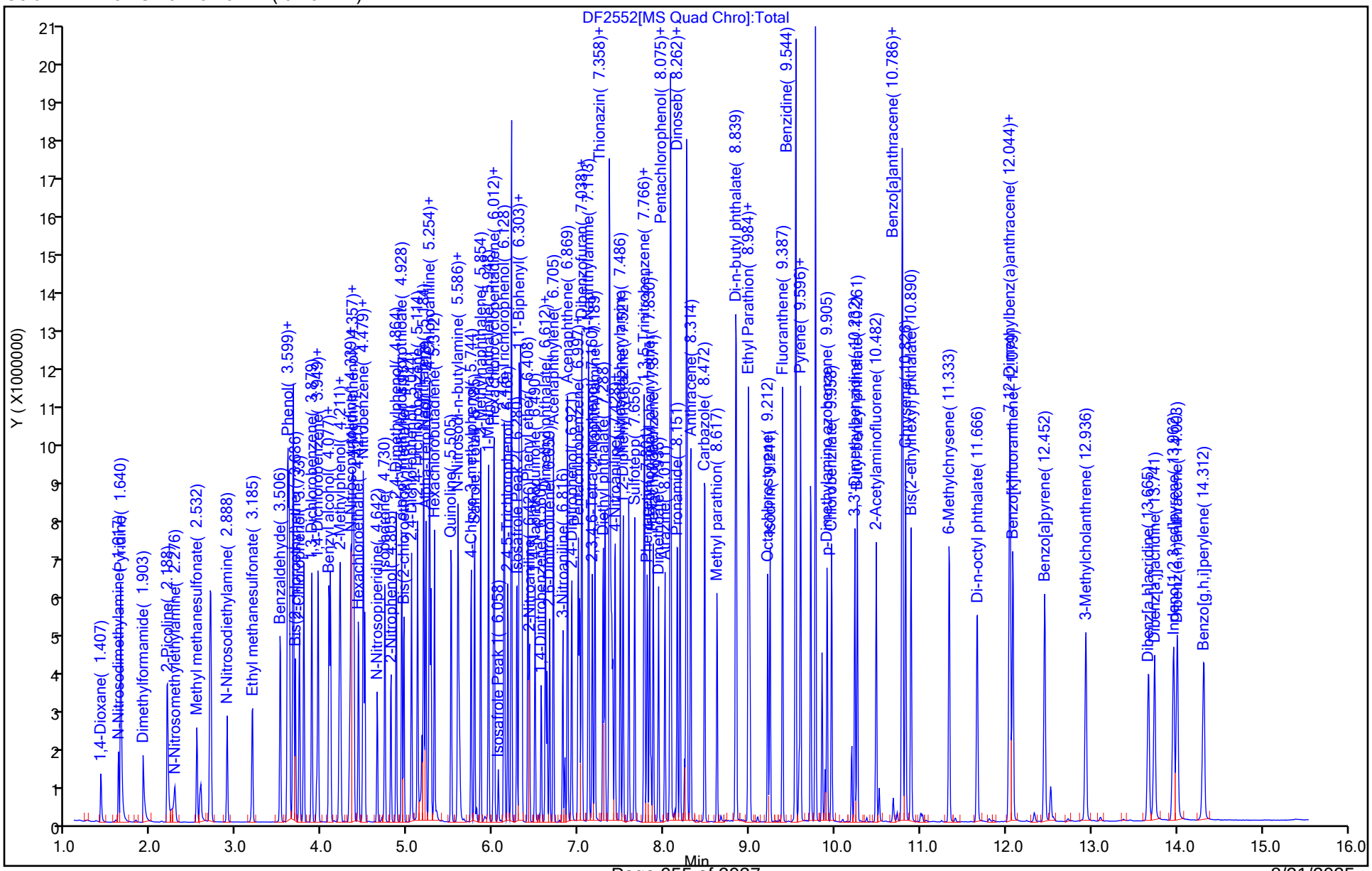
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	25-Jun-2025 23:57:14	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L8			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

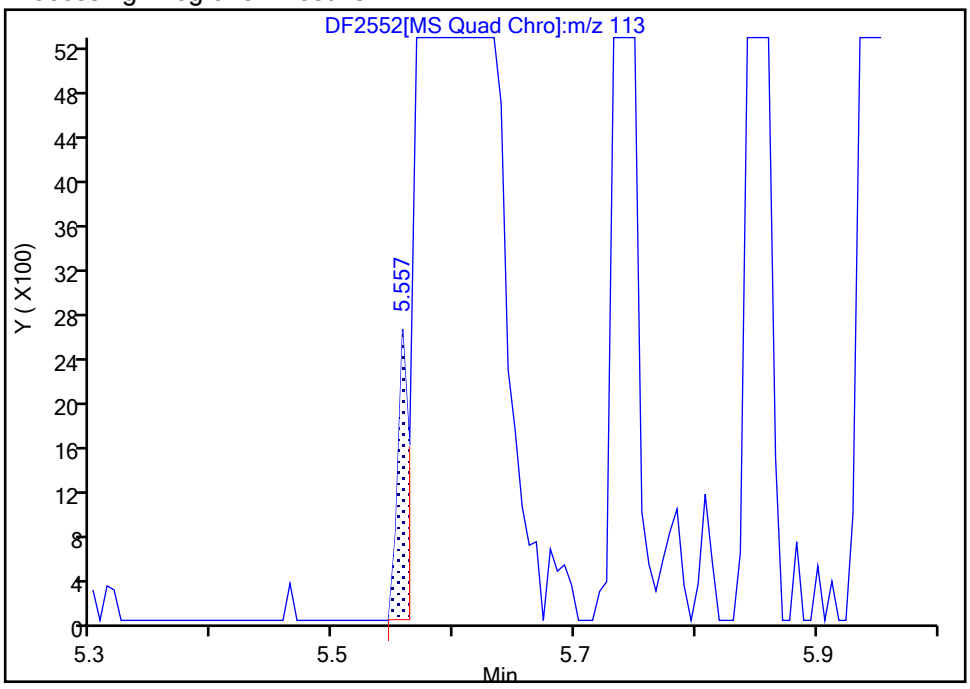
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Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

61 Caprolactam, CAS: 105-60-2

Signal: 1

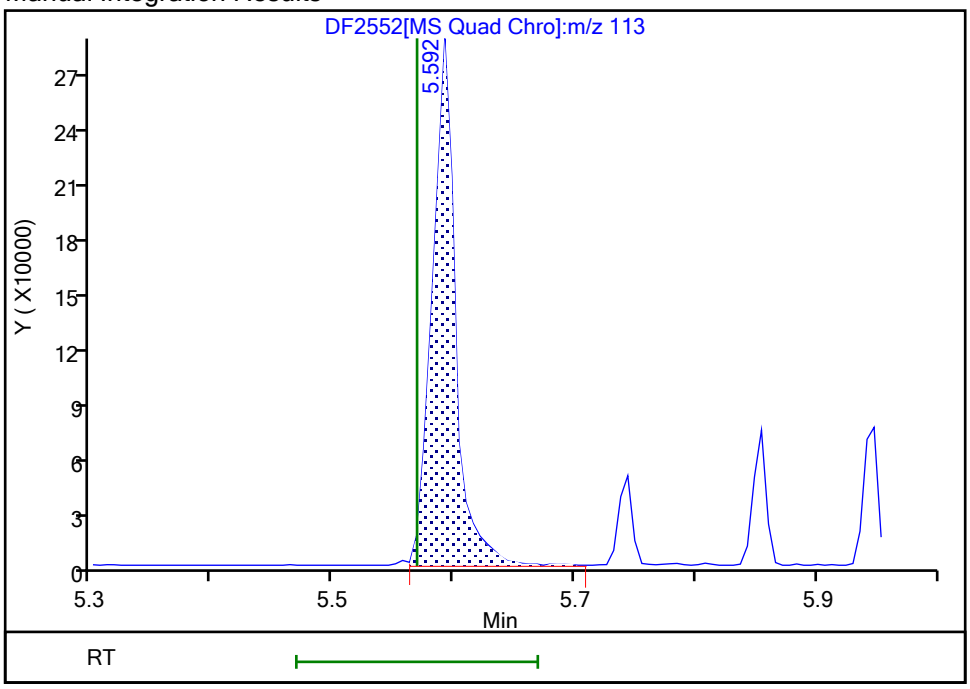
Processing Integration Results

RT: 5.56
Area: 1461
Amount: 0.151968
Amount Units: ug/ml



Manual Integration Results

RT: 5.59
Area: 382350
Amount: 32.391332
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:05:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

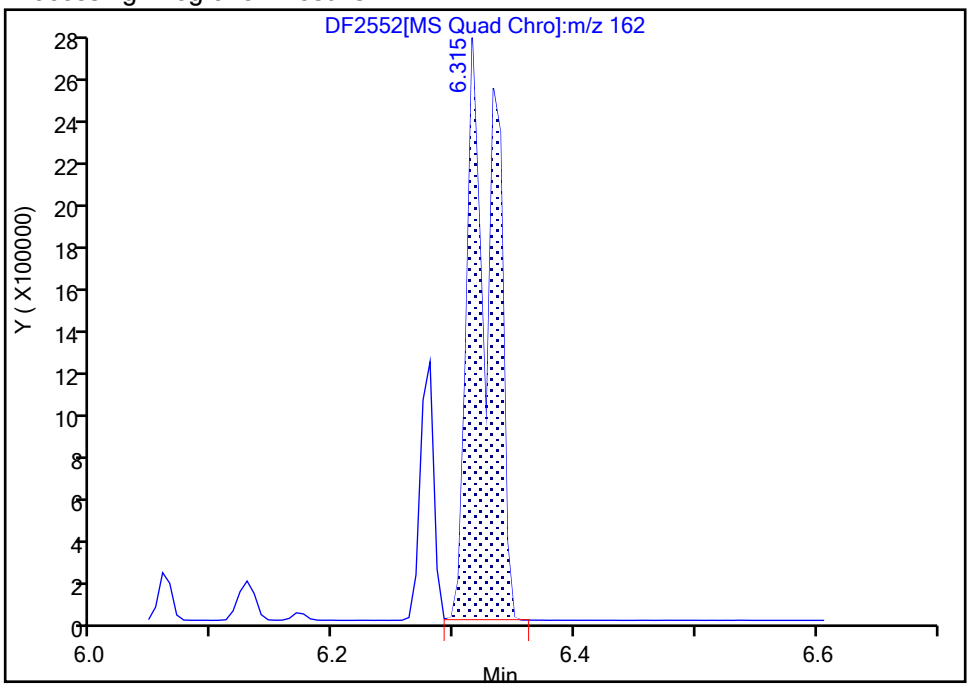
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Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

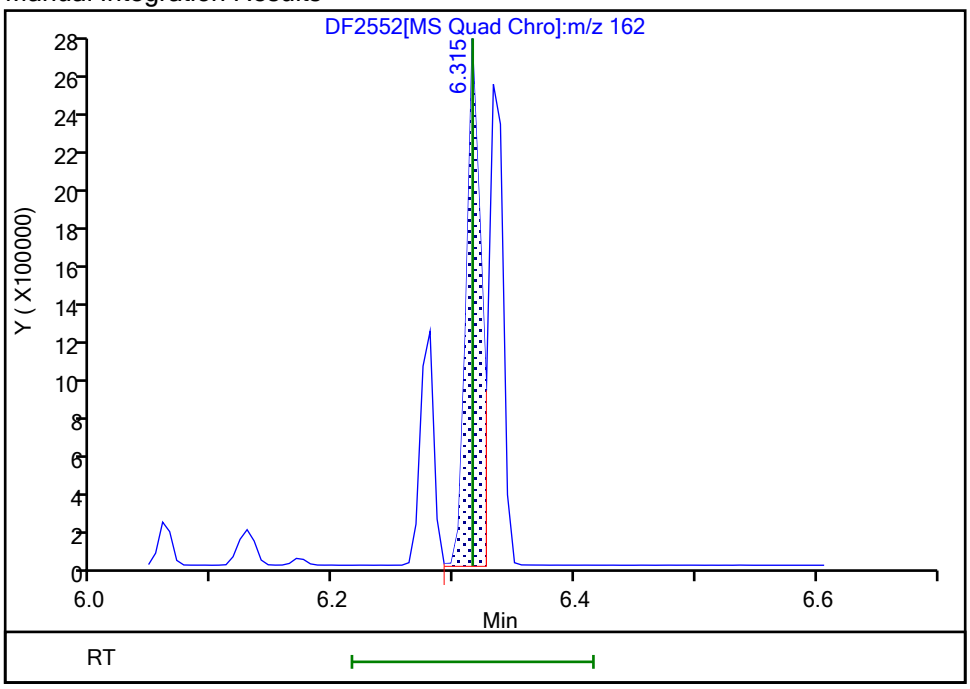
Processing Integration Results

RT: 6.31
Area: 4311241
Amount: 34.443157
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 2303815
Amount: 30.585885
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:06:11 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

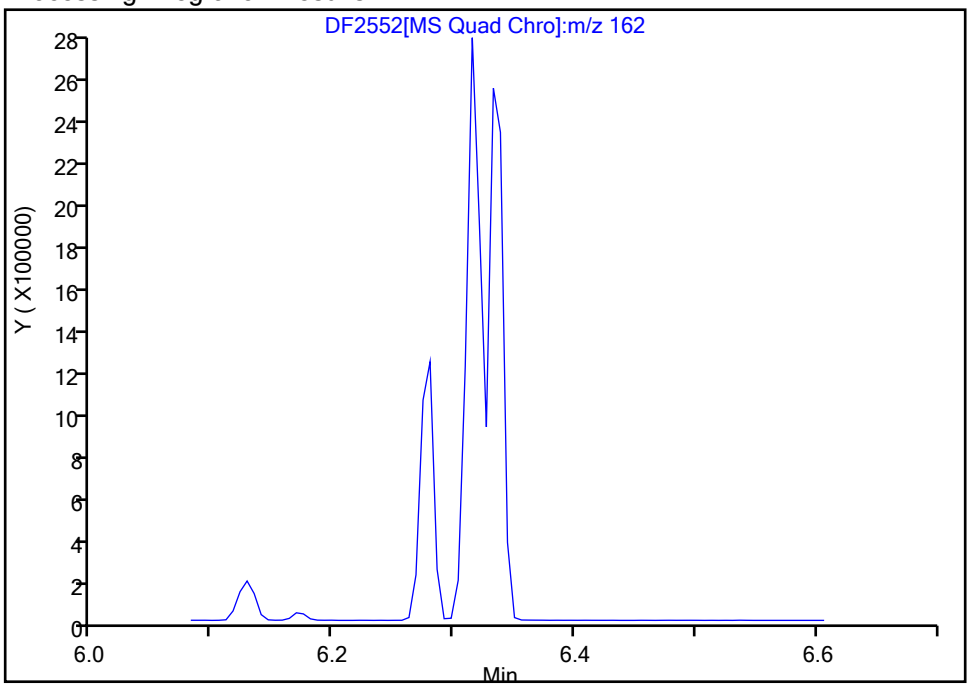
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Injection Date:	25-Jun-2025 23:57:14	Instrument ID:	HP19760		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

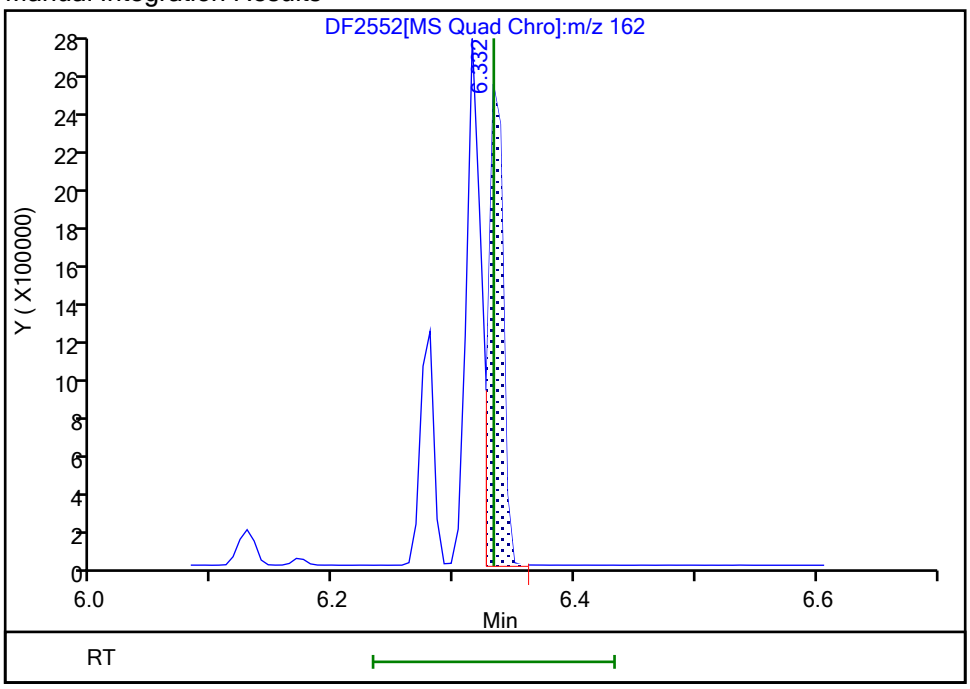
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 2007425
Amount: 30.109860
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:06:20 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

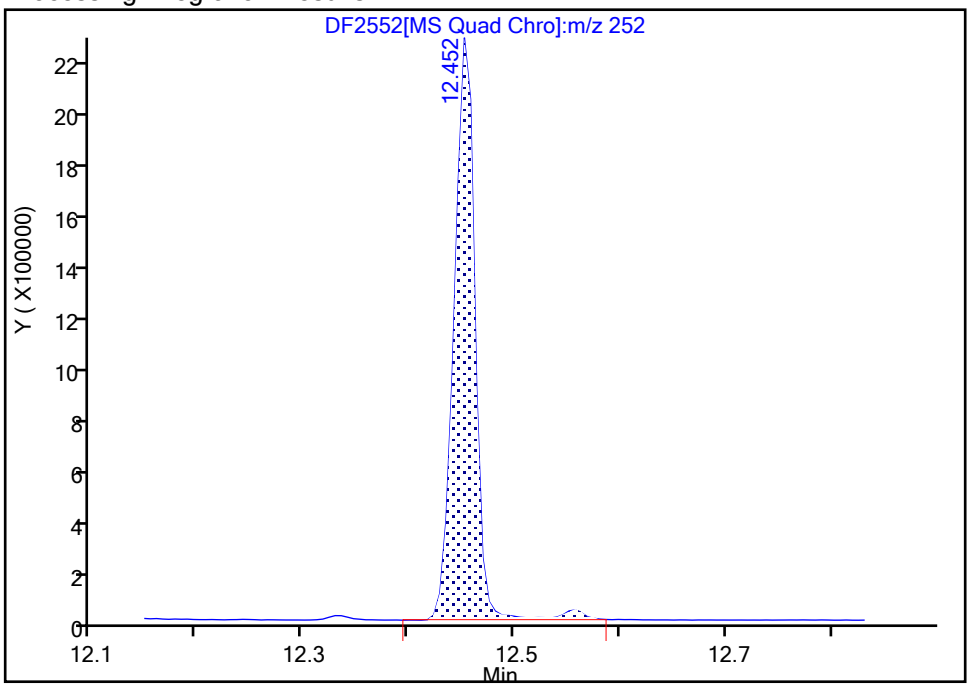
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Injection Date:	25-Jun-2025 23:57:14	Instrument ID:	HP19760		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

169 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

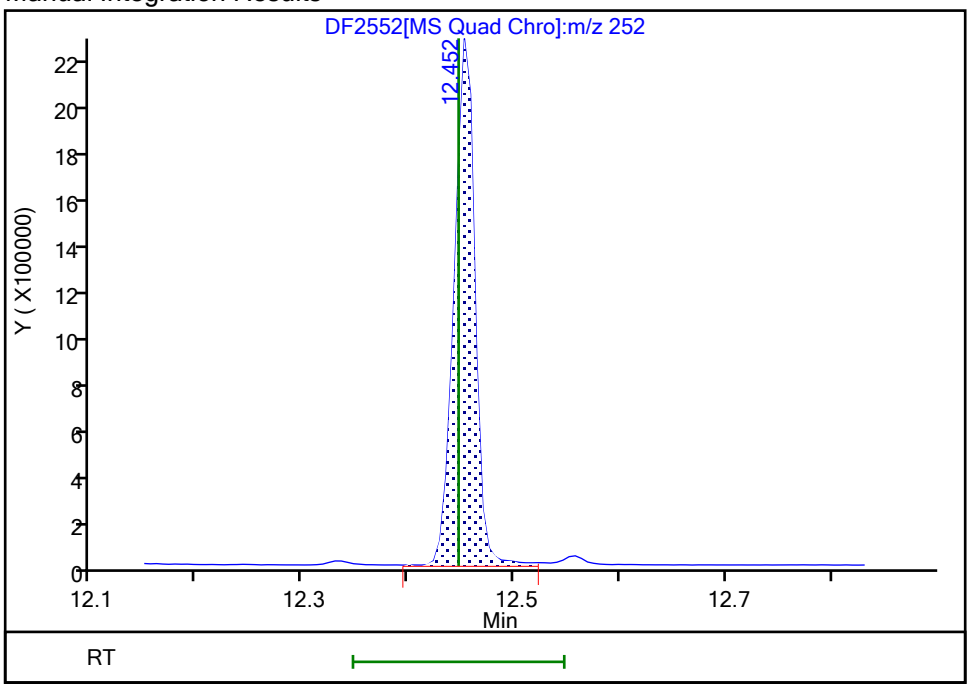
Processing Integration Results

RT: 12.45
Area: 3185460
Amount: 34.879159
Amount Units: ug/ml



Manual Integration Results

RT: 12.45
Area: 3116279
Amount: 34.229699
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:06:53 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2553.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Jun-2025 00:18:10 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0151574-004
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:27:39 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:09:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.407	1.408	-0.001	90	347566	20.0	18.6	
3 N-Nitrosodimethylamine	74	1.617	1.612	0.005	88	550266	20.0	20.6	
4 Pyridine	79	1.641	1.641	0.000	96	1840469	40.0	38.9	
6 Dimethylformamide	73	1.909	1.909	0.000	88	644607	20.0	22.2	
7 2-Picoline	93	2.188	2.189	-0.001	90	1065100	20.0	19.8	
8 N-Nitrosomethylethylamine	88	2.276	2.276	0.000	82	455537	20.0	19.2	
9 Methyl methanesulfonate	80	2.532	2.527	0.005	84	547768	20.0	19.9	
$ 10 2-Fluorophenol	112	2.690	2.684	0.006	90	1799304	40.0	40.7	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	476466	20.0	20.1	
12 Ethyl methanesulfonate	109	3.179	3.179	0.000	99	510238	20.0	19.8	
15 Benzaldehyde	77	3.506	3.506	0.000	97	813912	20.0	19.5	
$ 16 Phenol-d5	99	3.593	3.587	0.006	94	2460810	40.0	40.5	
17 Phenol	94	3.605	3.605	0.000	94	1355751	20.0	19.8	
18 Aniline	93	3.611	3.611	0.000	96	1604646	20.0	19.7	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	98	960098	20.0	19.3	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	905562	20.0	20.3	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	967872	20.0	19.1	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	169357	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	92	979465	20.0	19.5	
25 Benzyl alcohol	108	4.077	4.077	0.000	91	632309	20.0	20.5	
26 1,2-Dichlorobenzene	146	4.094	4.095	-0.001	95	933086	20.0	19.4	
28 2-Methylphenol	108	4.199	4.199	0.000	95	863192	20.0	20.2	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.211	0.000	91	865586	20.0	19.4	
31 N-Nitrosopyrrolidine	100	4.316	4.310	0.006	88	518458	20.0	20.7	
34 Acetophenone	105	4.333	4.328	0.005	95	1366351	20.0	19.2	
33 N-Nitrosodi-n-propylamine	70	4.339	4.339	0.000	72	680326	20.0	19.6	
32 4-Methylphenol	108	4.351	4.351	0.000	90	987979	20.0	20.1	
35 N-Nitrosomorpholine	56	4.357	4.351	0.006	88	493006	20.0	19.1	
36 2-Toluidine	106	4.363	4.363	0.000	95	1515613	20.0	19.7	
38 Hexachloroethane	117	4.421	4.421	0.000	96	407494	20.0	19.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.473	4.473	0.000	85	2016905	40.0	38.7	
40 Nitrobenzene	77	4.491	4.491	0.000	83	990100	20.0	19.4	
42 N-Nitrosopiperidine	114	4.642	4.637	0.005	89	460391	20.0	19.8	
43 Isophorone	82	4.730	4.730	0.000	97	1826594	20.0	20.2	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	467395	20.0	21.0	
45 2,4-Dimethylphenol	107	4.864	4.864	0.000	96	974024	20.0	20.2	
46 o,o',o''-Triethylphosphorothioat	198	4.928	4.928	0.000	89	428970	20.0	19.4	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	1125255	20.0	18.9	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	704286	20.0	20.3	
49 1,2,4-Trichlorobenzene	180	5.114	5.115	-0.001	94	766731	20.0	19.4	
* 50 Naphthalene-d8	136	5.161	5.167	-0.006	99	618298	5.00	5.00	
51 Naphthalene	128	5.184	5.185	-0.001	97	2505449	20.0	18.9	
52 Alpha-Terpineol	59	5.208	5.208	0.000	91	631068	20.0	19.7	
53 4-Chloroaniline	127	5.249	5.249	-0.001	95	1046583	20.0	20.0	
54 2,6-Dichlorophenol	162	5.254	5.254	0.000	96	683815	20.0	19.9	
55 Hexachloropropene	213	5.272	5.272	0.000	87	570788	20.0	20.1	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	452914	20.0	19.4	
60 Quinoline	129	5.505	5.505	0.000	96	1663731	20.0	19.4	
61 Caprolactam	113	5.581	5.569	0.012	78	265185	20.0	21.1	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	87	848281	20.0	20.1	
63 p-Phenylene diamine	108	5.592	5.593	-0.001	96	954427	20.0	21.2	
64 4-Chloro-3-methylphenol	107	5.738	5.738	0.000	93	832268	20.0	20.6	
65 Safrole, Total	162	5.779	5.779	0.000	87	641160	20.0	19.9	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	1443188	20.0	19.3	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	92	1516455	20.0	19.5	
68 Hexachlorocyclopentadiene	237	6.000	6.001	-0.001	96	586727	20.0	21.5	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	98	785241	20.0	18.8	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	89	118184	3.20	3.28	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	93	506015	20.0	20.7	
72 2,4,5-Trichlorophenol	196	6.169	6.170	-0.001	93	540394	20.0	20.2	
$ 73 2-Fluorobiphenyl (Surr)	172	6.210	6.210	0.000	99	3415437	40.0	36.4	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	633393	16.8	16.3	
75 1,1'-Biphenyl	154	6.303	6.304	-0.001	94	1927064	20.0	18.3	
76 2-Chloronaphthalene	162	6.315	6.315	0.000	97	1428330	20.0	17.3	
77 1-Chloronaphthalene	162	6.333	6.333	0.000	97	1449375	20.0	19.9	
78 Phenyl ether	170	6.403	6.403	0.000	81	1101128	20.0	18.6	
79 2-Nitroaniline	138	6.420	6.420	0.000	83	513926	20.0	20.0	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	87	616694	20.0	21.4	
84 1,4-Dinitrobenzene	168	6.560	6.560	0.000	87	267129	20.0	20.9	
85 Dimethyl phthalate	163	6.607	6.607	0.000	98	1708552	20.0	18.8	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	88	293421	20.0	19.5	
87 2,6-Dinitrotoluene	165	6.659	6.659	0.000	95	387398	20.0	20.0	
88 Acenaphthylene	152	6.700	6.700	0.000	98	2454236	20.0	19.5	
89 3-Nitroaniline	138	6.811	6.811	0.000	91	447359	20.0	20.8	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	93	334363	5.00	5.00	
91 Acenaphthene	153	6.869	6.869	0.000	96	1558407	20.0	18.3	
92 2,4-Dinitrophenol	184	6.916	6.916	0.000	90	551422	40.0	41.0	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	685655	20.0	18.7	
93 4-Nitrophenol	109	7.003	7.003	0.000	82	600976	40.0	41.6	
96 Dibenzofuran	168	7.032	7.032	0.000	96	2112084	20.0	18.1	
95 2,4-Dinitrotoluene	165	7.038	7.038	0.000	87	532620	20.0	20.0	
97 1-Naphthylamine	143	7.108	7.108	0.000	98	1555314	20.0	19.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.154	7.155	-0.001	74	446686	20.0	20.1	
99 2-Naphthylamine	143	7.184	7.184	0.000	95	1642426	20.0	19.5	
100 Diethyl phthalate	149	7.283	7.283	0.000	98	1751138	20.0	19.2	
101 Thionazin	107	7.353	7.353	0.000	75	344606	20.0	20.1	
102 Fluorene	166	7.358	7.359	-0.001	94	1707361	20.0	18.8	
103 4-Chlorophenyl phenyl ether	204	7.370	7.370	0.000	91	814098	20.0	18.1	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	91	501874	20.0	20.3	
105 4-Nitroaniline	138	7.388	7.388	0.000	80	431834	20.0	20.4	
106 4,6-Dinitro-2-methylphenol	198	7.423	7.417	0.006	84	669328	40.0	42.5	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	62	1236310	17.0	17.2	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	42	1792182	20.0	19.9	
$ 109 2,4,6-Tribromophenol	330	7.586	7.586	0.000	92	531006	40.0	39.4	
110 Sulfotepp	97	7.650	7.650	0.000	78	321864	20.0	20.1	
112 1,3,5-Trinitrobenzene	213	7.761	7.755	0.006	83	196347	20.0	22.3	
113 cis-Diallate	86	7.761	7.761	0.000	0	547913	14.8	13.9	
114 Phorate	75	7.766	7.767	-0.001	96	1620998	20.0	20.7	
115 Phenacetin	108	7.796	7.790	0.006	91	938422	20.0	21.3	
116 4-Bromophenyl phenyl ether	248	7.831	7.831	0.000	62	480635	20.0	19.2	
117 trans-Diallate	86	7.842	7.842	0.000	0	196331	5.20	4.84	
118 Hexachlorobenzene	284	7.871	7.872	-0.001	94	526906	20.0	18.8	
119 Dimethoate	87	7.930	7.924	0.006	96	731614	20.0	21.2	
120 Atrazine	200	8.005	8.006	-0.001	94	476253	20.0	21.0	
121 Pentachlorophenol	266	8.070	8.070	0.000	91	711091	40.0	44.2	
123 Pentachloronitrobenzene	237	8.075	8.076	-0.001	84	250804	20.0	20.1	
122 4-Aminobiphenyl	169	8.075	8.076	-0.001	91	1963610	20.0	20.5	
124 Pronamide	173	8.151	8.151	0.000	90	797387	20.0	21.3	
* 126 Phenanthrene-d10	188	8.239	8.239	0.000	97	561297	5.00	5.00	
125 Dinoseb	211	8.256	8.256	0.000	95	496428	20.0	21.7	
128 Phenanthrene	178	8.262	8.262	0.000	98	2320587	20.0	18.7	
127 Disulfoton	88	8.262	8.262	0.000	96	1082624	20.0	19.9	
129 Anthracene	178	8.309	8.309	0.000	98	2415688	20.0	19.9	
130 Carbazole	167	8.472	8.472	0.000	96	2294376	20.0	20.2	
131 Methyl parathion	109	8.617	8.618	-0.001	90	627514	20.0	22.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2567315	20.0	21.1	
134 Ethyl Parathion	109	8.991	8.991	-0.001	84	374932	20.0	23.0	
135 4-Nitroquinoline-1-oxide	190	9.002	9.002	0.000	92	232826	20.0	19.9	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	210410	20.0	20.2	
141 Isodrin	193	9.235	9.235	0.000	94	278454	20.0	19.1	
143 Fluoranthene	202	9.381	9.381	0.000	98	2596634	20.0	20.1	
147 Benzidine	184	9.533	9.533	0.000	99	5221488	60.0	61.7	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	567274	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2638278	20.0	18.2	
S 136 Diallate	86				0		20.0	18.7	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	3260984	40.0	37.4	
154 p-Dimethylamino azobenzene	225	9.906	9.906	0.000	93	461320	20.0	21.4	
155 Chlorobenzilate	139	9.958	9.958	0.000	88	857104	20.0	21.4	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1467199	20.0	20.2	
157 Butyl benzyl phthalate	149	10.255	10.261	-0.006	97	1124275	20.0	21.0	
158 2-Acetylaminofluorene	181	10.477	10.477	0.000	94	1003429	20.0	20.4	
159 3,3'-Dichlorobenzidine	252	10.780	10.780	0.000	76	926897	20.0	21.2	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	2257904	20.0	19.8	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.792	-0.006	95	501891	20.0	20.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.821	0.000	97	2172866	20.0	19.1	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1557965	20.0	21.3	
164 6-Methylchrysene	242	11.334	11.334	0.000	99	1515894	20.0	19.8	
165 Di-n-octyl phthalate	149	11.660	11.660	0.000	98	2372882	20.0	21.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.039	0.000	75	1017095	20.0	21.3	
167 Benzo[b]fluoranthene	252	12.039	12.039	0.000	96	2253201	20.0	20.8	
168 Benzo[k]fluoranthene	252	12.074	12.074	0.000	99	2217544	20.0	19.7	
169 Benzo[a]pyrene	252	12.447	12.447	0.000	79	2109973	20.0	21.5	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	446247	5.00	5.00	
171 3-Methylcholanthrene	268	12.931	12.925	0.006	91	1028970	20.0	21.6	
172 Dibenz[a,h]acridine	279	13.659	13.659	0.000	91	1554968	20.0	21.5	
173 Dibenz[a,j]acridine	279	13.729	13.729	0.000	96	1712226	20.0	21.8	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.951	0.000	99	1889143	20.0	21.4	
175 Dibenz(a,h)anthracene	278	13.997	13.992	0.005	92	1894474	20.0	20.5	
176 Benzo[g,h,i]perylene	276	14.306	14.301	0.006	98	1890549	20.0	20.1	
S 178 Dinitrotoluene	165				0		40.0	40.0	
S 182 Isosafrole	162				0		20.0	19.6	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_7_00045 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:27:40 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2553.D

Injection Date: 26-Jun-2025 00:18:10 Instrument ID: HP19760 Operator ID: IR93211

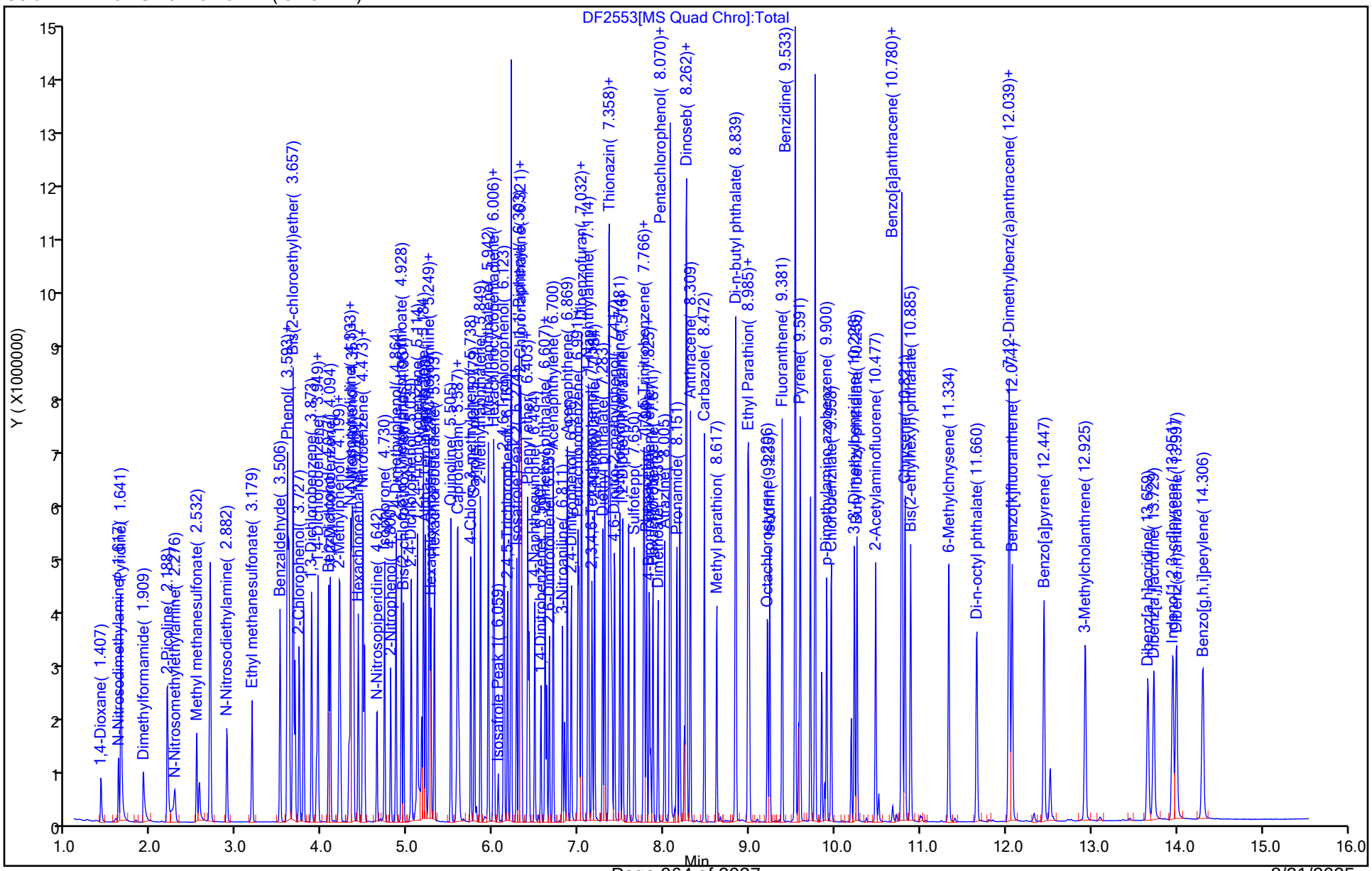
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2554.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Jun-2025 00:39:01 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0151574-005
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:28:02 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:24:49

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.407	1.407	0.000	89	129724	7.50	7.14	
	3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	204110	7.50	7.86	
	4 Pyridine	79	1.646	1.646	0.000	96	700870	15.0	15.3	
	6 Dimethylformamide	73	1.914	1.914	0.000	90	215138	7.50	7.64	
	7 2-Picoline	93	2.188	2.188	0.000	90	394945	7.50	7.57	
	8 N-Nitrosomethylethylamine	88	2.270	2.270	0.000	82	167858	7.50	7.29	
	9 Methyl methanesulfonate	80	2.526	2.526	0.000	85	199454	7.50	7.48	
$	10 2-Fluorophenol	112	2.684	2.684	0.000	90	658039	15.0	15.3	
	11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	84	167018	7.50	7.27	
	12 Ethyl methanesulfonate	109	3.173	3.173	0.000	99	186895	7.50	7.46	
	15 Benzaldehyde	77	3.506	3.506	0.000	96	301129	7.50	7.45	
$	16 Phenol-d5	99	3.587	3.587	0.000	96	907456	15.0	15.4	
	17 Phenol	94	3.599	3.599	0.000	87	500756	7.50	7.52	
	18 Aniline	93	3.611	3.611	0.000	95	595819	7.50	7.56	
	19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	98	361185	7.50	7.49	
	20 2-Chlorophenol	128	3.727	3.727	0.000	94	338574	7.50	7.81	
	21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	360264	7.50	7.32	
*	22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	164274	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	367146	7.50	7.53	
	25 Benzyl alcohol	108	4.071	4.071	0.000	92	237143	7.50	7.93	
	26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	341838	7.50	7.32	
	28 2-Methylphenol	108	4.193	4.193	0.000	94	316551	7.50	7.66	
	29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	91	324835	7.50	7.49	
	31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	89	182390	7.50	7.50	
	34 Acetophenone	105	4.328	4.328	0.000	95	509357	7.50	7.38	
	33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	73	254353	7.50	7.56	
	32 4-Methylphenol	108	4.345	4.345	0.000	91	373347	7.50	7.82	
	35 N-Nitrosomorpholine	56	4.351	4.351	0.000	83	187277	7.50	7.47	
	36 2-Toluidine	106	4.363	4.363	0.000	96	570904	7.50	7.65	
	38 Hexachloroethane	117	4.421	4.421	0.000	97	154735	7.50	7.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.473	4.473	0.000	85	755833	15.0	15.2	
40 Nitrobenzene	77	4.491	4.491	0.000	84	370056	7.50	7.57	
42 N-Nitrosopiperidine	114	4.636	4.636	0.000	90	168585	7.50	7.58	
43 Isophorone	82	4.724	4.724	0.000	96	675207	7.50	7.81	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	167793	7.50	7.89	
45 2,4-Dimethylphenol	107	4.858	4.858	0.000	95	359102	7.50	7.79	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	91	156585	7.50	7.39	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	95	428655	7.50	7.54	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	93	259480	7.50	7.80	
49 1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	286699	7.50	7.59	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	100	591465	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	97	940123	7.50	7.40	
52 Alpha-Terpineol	59	5.208	5.208	0.000	92	233536	7.50	7.61	
53 4-Chloroaniline	127	5.248	5.248	0.000	95	391511	7.50	7.81	
54 2,6-Dichlorophenol	162	5.254	5.254	0.000	97	254570	7.50	7.74	
55 Hexachloropropene	213	5.272	5.272	0.000	87	207386	7.50	7.64	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	171778	7.50	7.71	
60 Quinoline	129	5.505	5.505	0.000	96	615283	7.50	7.50	
61 Caprolactam	113	5.557	5.557	0.000	87	93288	7.50	7.76	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	248893	7.50	6.17	
63 p-Phenylene diamine	108	5.587	5.587	0.000	96	349853	7.50	8.11	
64 4-Chloro-3-methylphenol	107	5.732	5.732	0.000	93	303963	7.50	7.86	
65 Safrole, Total	162	5.779	5.779	0.000	87	231592	7.50	7.50	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	533600	7.50	7.46	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	566148	7.50	7.60	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	96	203953	7.50	7.99	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	98	287058	7.50	7.36	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	87	41563	1.20	1.24	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	179926	7.50	7.90	
72 2,4,5-Trichlorophenol	196	6.164	6.164	0.000	93	201418	7.50	8.06	
$ 73 2-Fluorobiphenyl (Surr)	172	6.210	6.210	0.000	100	1322478	15.0	15.1	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	233833	6.30	6.44	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	95	733935	7.50	7.47	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	97	576920	7.50	7.50	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	97	505801	7.50	7.43	Ma
78 Phenyl ether	170	6.403	6.403	0.000	83	409218	7.50	7.43	
79 2-Nitroaniline	138	6.414	6.414	0.000	81	185050	7.50	7.72	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	87	218943	7.50	8.13	
84 1,4-Dinitrobenzene	168	6.554	6.554	0.000	88	99276	7.50	8.34	
85 Dimethyl phthalate	163	6.607	6.607	0.000	98	645809	7.50	7.62	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	86	104126	7.50	7.43	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	95	147305	7.50	8.16	
88 Acenaphthylene	152	6.700	6.700	0.000	98	909654	7.50	7.73	
89 3-Nitroaniline	138	6.805	6.805	0.000	91	161963	7.50	8.06	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	312037	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	95	593137	7.50	7.46	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	89	225334	17.5	18.0	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	247555	7.50	7.25	
93 4-Nitrophenol	109	7.003	7.003	0.000	83	218774	15.0	16.2	
96 Dibenzofuran	168	7.032	7.032	0.000	96	811033	7.50	7.46	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	86	202218	7.50	8.14	
97 1-Naphthylamine	143	7.108	7.108	0.000	98	578253	7.50	7.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	73	160534	7.50	7.73	
99 2-Naphthylamine	143	7.184	7.184	0.000	95	610377	7.50	7.76	
100 Diethyl phthalate	149	7.277	7.277	0.000	98	655834	7.50	7.69	
101 Thionazin	107	7.347	7.347	0.000	80	110733	7.50	6.92	
102 Fluorene	166	7.353	7.353	0.000	93	649713	7.50	7.67	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	90	309903	7.50	7.39	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	91	184937	7.50	8.02	
105 4-Nitroaniline	138	7.382	7.382	0.000	80	161602	7.50	8.17	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	246237	15.0	15.7	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	62	467477	6.38	6.52	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	680118	7.50	7.58	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	92	194103	15.0	15.4	
110 Sulfotepp	97	7.650	7.650	0.000	77	117228	7.50	7.34	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	84	69583	7.50	7.92	
113 cis-Diallate	86	7.761	7.761	0.000	0	205203	5.55	5.21	
114 Phorate	75	7.766	7.766	0.000	95	447487	7.50	7.10	
115 Phenacetin	108	7.784	7.784	0.000	91	348775	7.50	7.95	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	62	182659	7.50	7.30	
117 trans-Diallate	86	7.842	7.842	0.000	0	73767	1.95	1.82	
118 Hexachlorobenzene	284	7.866	7.866	0.000	93	200297	7.50	7.15	
119 Dimethoate	87	7.924	7.924	0.000	96	272834	7.50	7.91	
120 Atrazine	200	8.000	8.000	0.000	94	177263	7.50	7.85	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	250108	15.0	15.6	
123 Pentachloronitrobenzene	237	8.070	8.070	0.000	84	94251	7.50	7.58	
122 4-Aminobiphenyl	169	8.070	8.070	0.000	91	739578	7.50	7.74	
124 Pronamide	173	8.145	8.145	0.000	90	291485	7.50	7.82	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	559909	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	92	169023	7.50	7.40	
128 Phenanthrene	178	8.256	8.256	0.000	98	908811	7.50	7.35	
127 Disulfoton	88	8.262	8.262	0.000	95	411701	7.50	7.58	
129 Anthracene	178	8.303	8.303	0.000	98	924039	7.50	7.62	
130 Carbazole	167	8.466	8.466	0.000	96	867604	7.50	7.64	
131 Methyl parathion	109	8.612	8.612	0.000	91	226525	7.50	8.26	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	947845	7.50	7.82	
134 Ethyl Parathion	109	8.990	8.990	0.000	84	136505	7.50	8.41	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	86	68500	7.50	7.04	
140 Octachlorostyrene	308	9.212	9.212	0.000	93	75982	7.50	7.29	
141 Isodrin	193	9.235	9.235	0.000	94	103030	7.50	7.07	
143 Fluoranthene	202	9.381	9.381	0.000	97	974419	7.50	7.57	
147 Benzidine	184	9.533	9.533	0.000	99	2005450	22.5	24.3	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	553359	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	1010652	7.50	7.15	
S 136 Diallate	86				0		7.50	7.03	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	1274520	15.0	15.0	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	93	166141	7.50	7.90	
155 Chlorobenzilate	139	9.952	9.952	0.000	88	317169	7.50	8.11	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	548790	7.50	7.76	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	422217	7.50	8.08	
158 2-Acetylaminofluorene	181	10.471	10.471	0.000	94	346059	7.50	7.23	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	75	348022	7.50	8.16	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	860709	7.50	7.75	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	96	191887	7.50	8.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	97	836956	7.50	7.53	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	567650	7.50	7.96	
164 6-Methylchrysene	242	11.328	11.328	0.000	99	558655	7.50	7.48	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	812217	7.50	7.46	
166 7,12-Dimethylbenz(a)anthracene	256	12.033	12.033	0.000	74	369544	7.50	7.70	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	96	843033	7.50	7.72	
168 Benzo[k]fluoranthene	252	12.068	12.068	0.000	99	857066	7.50	7.55	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	77	761997	7.50	7.72	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	449503	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	362879	7.50	7.56	
172 Dibenz[a,h]acridine	279	13.653	13.653	0.000	91	568076	7.50	7.80	
173 Dibenz[a,j]acridine	279	13.723	13.723	0.000	97	633054	7.50	7.99	
174 Indeno[1,2,3-cd]pyrene	276	13.945	13.945	0.000	99	695603	7.50	7.82	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	92	713190	7.50	7.65	
176 Benzo[g,h,i]perylene	276	14.294	14.294	0.000	98	713576	7.50	7.55	
S 178 Dinitrotoluene	165				0		15.0	16.3	
S 182 Isosafrole	162				0		7.50	7.68	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_5_00054 Amount Added: 1.00 Units: mL

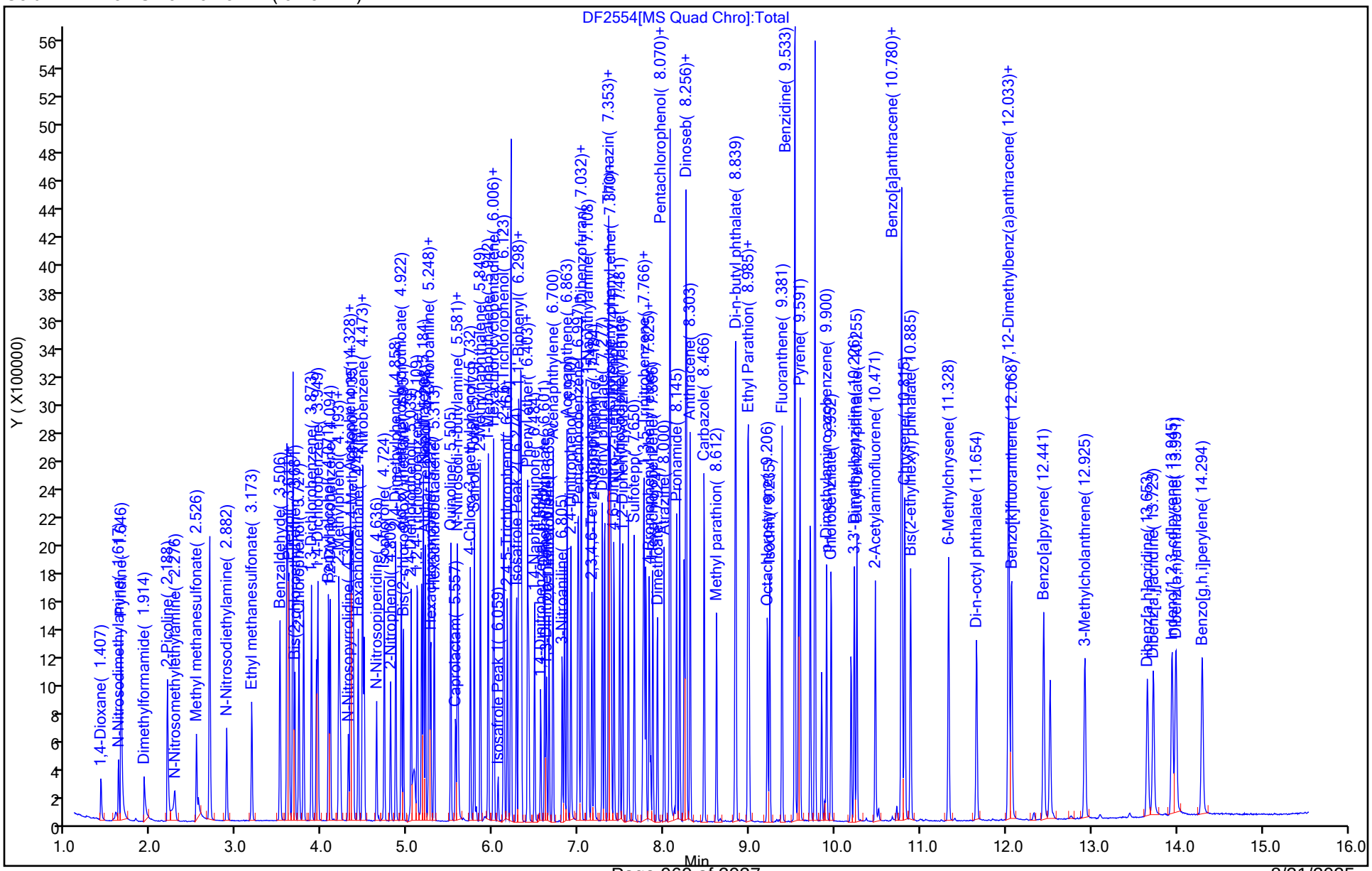
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	26-Jun-2025 00:39:01	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	IC L5			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

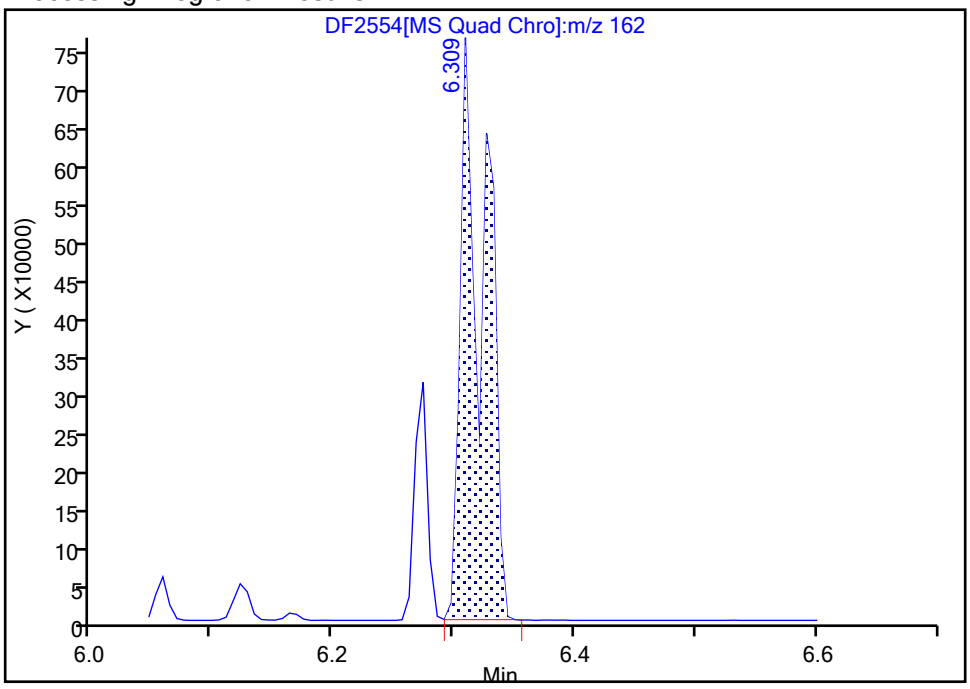
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Injection Date:	26-Jun-2025 00:39:01	Instrument ID:	HP19760		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

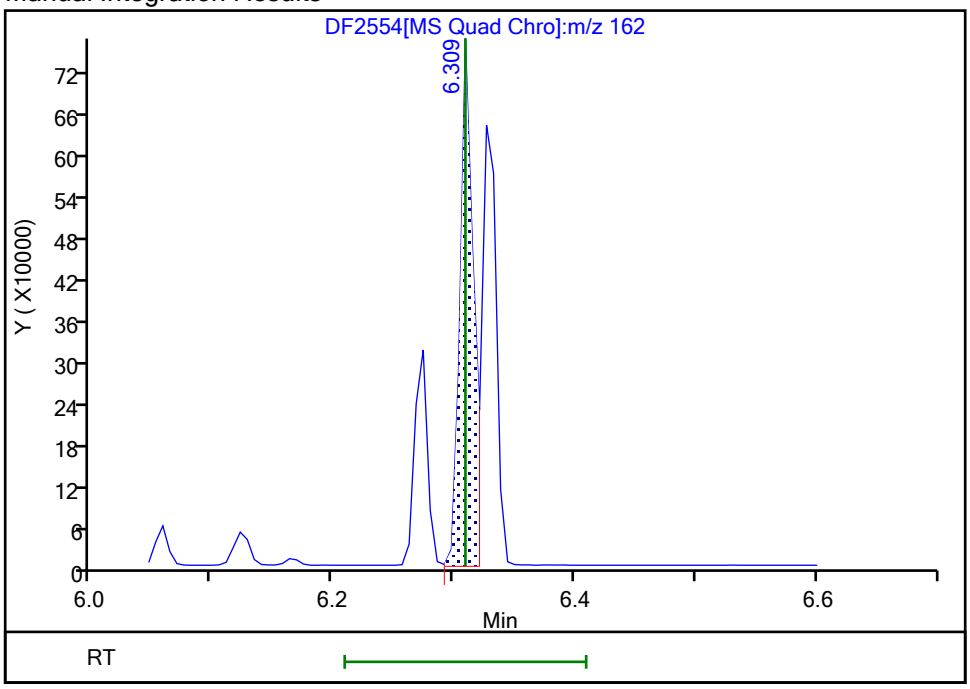
Processing Integration Results

RT: 6.31
Area: 1082722
Amount: 9.072732
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 576920
Amount: 7.496755
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:24:21 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

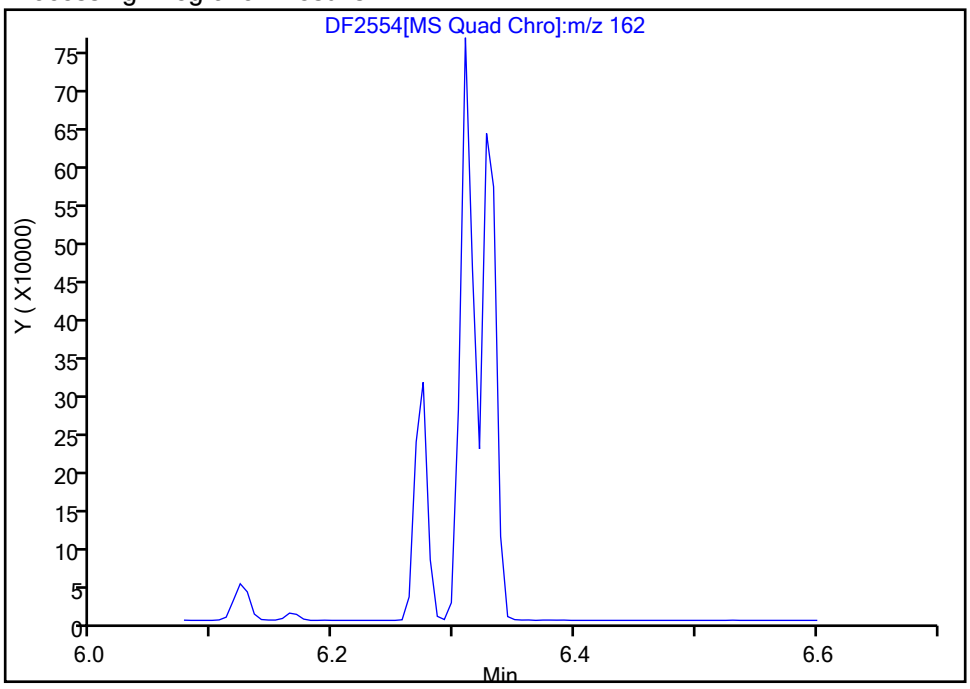
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Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

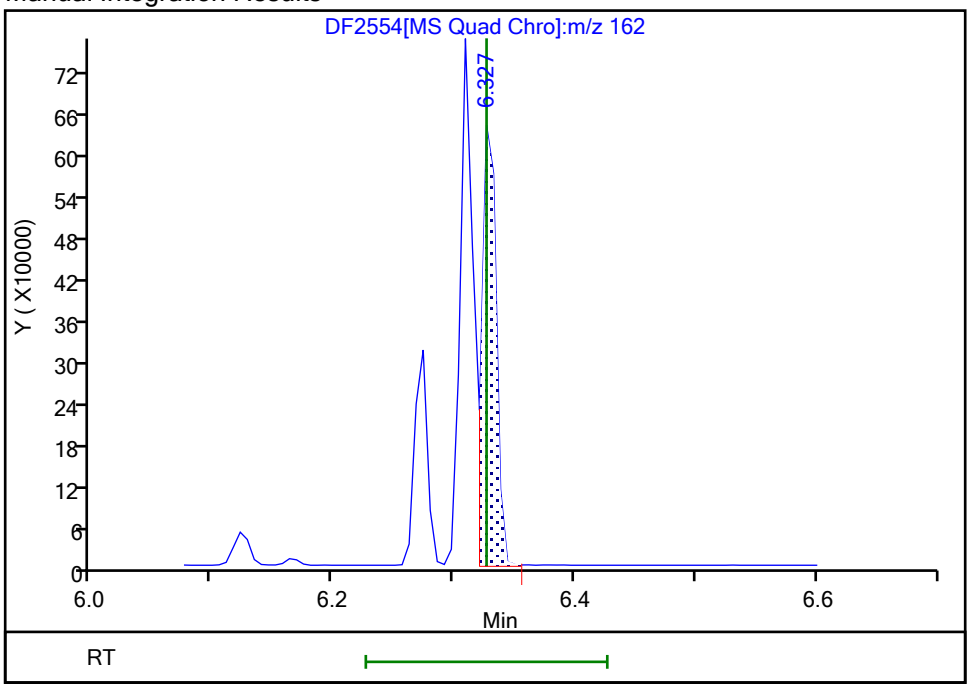
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 505801
Amount: 7.425631
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:24:28 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2555.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Jun-2025 00:59:50 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0151574-006
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:28:22 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:25:56

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.413	1.407	0.006	89	68566	3.75	3.70	
	3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	98638	3.75	3.72	
	4 Pyridine	79	1.646	1.646	0.000	96	349827	7.50	7.46	
	6 Dimethylformamide	73	1.926	1.914	0.012	91	98379	3.75	3.42	
	7 2-Picoline	93	2.189	2.188	0.000	90	198343	3.75	3.72	
	8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	80	88308	3.75	3.76	
	9 Methyl methanesulfonate	80	2.527	2.526	0.001	83	103204	3.75	3.79	
$	10 2-Fluorophenol	112	2.684	2.684	0.000	90	341426	7.50	7.79	
	11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	83	88845	3.75	3.79	
	12 Ethyl methanesulfonate	109	3.174	3.173	0.001	99	95557	3.75	3.73	
	15 Benzaldehyde	77	3.506	3.506	0.000	97	153367	3.75	3.71	
$	16 Phenol-d5	99	3.587	3.587	0.000	95	462182	7.50	7.68	
	17 Phenol	94	3.599	3.599	0.000	85	255023	3.75	3.75	
	18 Aniline	93	3.611	3.611	0.000	96	305078	3.75	3.79	
	19 Bis(2-chloroethyl)ether	93	3.675	3.681	-0.006	98	185092	3.75	3.76	
	20 2-Chlorophenol	128	3.727	3.727	0.000	94	168250	3.75	3.80	
	21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	189978	3.75	3.78	
*	22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	167807	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	190718	3.75	3.83	
	25 Benzyl alcohol	108	4.071	4.071	0.000	91	114846	3.75	3.76	
	26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	95	176844	3.75	3.71	
	28 2-Methylphenol	108	4.194	4.193	0.001	94	160190	3.75	3.79	
	29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	92	167678	3.75	3.78	
	31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	89	94194	3.75	3.79	
	34 Acetophenone	105	4.328	4.328	0.000	97	263854	3.75	3.74	
	33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	74	132962	3.75	3.87	
	32 4-Methylphenol	108	4.345	4.345	0.000	95	190219	3.75	3.90	
	35 N-Nitrosomorpholine	56	4.345	4.351	-0.006	73	95398	3.75	3.73	
	36 2-Toluidine	106	4.363	4.363	0.001	95	295699	3.75	3.88	
	38 Hexachloroethane	117	4.421	4.421	0.000	95	75326	3.75	3.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.468	4.473	-0.005	85	388968	7.50	7.41	
40 Nitrobenzene	77	4.491	4.491	0.000	84	193852	3.75	3.77	
42 N-Nitrosopiperidine	114	4.637	4.636	0.001	90	85343	3.75	3.65	
43 Isophorone	82	4.724	4.724	0.000	96	341734	3.75	3.75	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	83905	3.75	3.75	
45 2,4-Dimethylphenol	107	4.858	4.858	0.000	96	183022	3.75	3.77	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	90	83978	3.75	3.77	
47 Bis(2-chloroethoxy)methane	93	4.945	4.951	-0.006	96	219108	3.75	3.66	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	130966	3.75	3.74	
49 1,2,4-Trichlorobenzene	180	5.109	5.114	-0.005	94	146916	3.75	3.69	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	99	622502	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	97	489505	3.75	3.66	
52 Alpha-Terpineol	59	5.202	5.208	-0.006	92	119656	3.75	3.71	
53 4-Chloroaniline	127	5.243	5.248	-0.005	94	196926	3.75	3.73	
54 2,6-Dichlorophenol	162	5.249	5.254	-0.005	90	130416	3.75	3.77	
55 Hexachloropropene	213	5.266	5.272	-0.006	87	107682	3.75	3.77	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	97	85211	3.75	3.63	
60 Quinoline	129	5.505	5.505	0.000	96	315858	3.75	3.66	
61 Caprolactam	113	5.552	5.557	-0.005	87	45617	3.75	3.60	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	87	135522	3.75	3.19	
63 p-Phenylene diamine	108	5.587	5.587	0.001	96	173526	3.75	3.82	
64 4-Chloro-3-methylphenol	107	5.732	5.732	0.000	94	151754	3.75	3.73	
65 Safrole, Total	162	5.779	5.779	0.000	88	121207	3.75	3.73	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	284388	3.75	3.78	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	294456	3.75	3.75	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	94	101324	3.75	3.88	
69 1,2,4,5-Tetrachlorobenzene	216	6.006	6.012	-0.006	97	148552	3.75	3.72	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	89	21196	0.6000	0.6168	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	90721	3.75	3.89	
72 2,4,5-Trichlorophenol	196	6.164	6.164	0.000	94	103363	3.75	4.04	
$ 73 2-Fluorobiphenyl (Surr)	172	6.204	6.210	-0.006	99	693733	7.50	7.74	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	119646	3.15	3.22	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	96	380587	3.75	3.79	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	97	319003	3.75	4.05	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	97	252829	3.75	3.63	Ma
78 Phenyl ether	170	6.403	6.403	0.000	83	213623	3.75	3.79	
79 2-Nitroaniline	138	6.414	6.414	0.000	84	96191	3.75	3.92	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	86	109611	3.75	3.98	
84 1,4-Dinitrobenzene	168	6.554	6.554	0.000	87	47587	3.75	3.91	
85 Dimethyl phthalate	163	6.601	6.607	-0.006	99	327910	3.75	3.78	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	86	53164	3.75	3.71	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	94	72467	3.75	3.92	
88 Acenaphthylene	152	6.700	6.700	0.000	98	462938	3.75	3.85	
89 3-Nitroaniline	138	6.805	6.805	0.000	91	83892	3.75	4.08	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	319237	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	95	297282	3.75	3.65	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	89	135449	11.3	10.6	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	130589	3.75	3.74	
93 4-Nitrophenol	109	6.997	7.003	-0.006	82	110136	7.50	7.99	
96 Dibenzofuran	168	7.026	7.032	-0.006	96	420848	3.75	3.78	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	90	105370	3.75	4.14	
97 1-Naphthylamine	143	7.108	7.108	0.000	99	292320	3.75	3.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.155	7.154	0.000	74	79746	3.75	3.76	
99 2-Naphthylamine	143	7.184	7.184	0.000	95	309567	3.75	3.85	
100 Diethyl phthalate	149	7.277	7.277	0.000	98	338936	3.75	3.88	
101 Thionazin	107	7.347	7.347	0.000	80	65312	3.75	3.99	
102 Fluorene	166	7.353	7.353	0.000	93	335016	3.75	3.86	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	89	158122	3.75	3.69	
104 N-Nitro-o-toluidine	152	7.370	7.376	-0.006	90	98110	3.75	4.16	
105 4-Nitroaniline	138	7.382	7.382	0.000	81	85175	3.75	4.21	
106 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.006	85	120303	7.50	7.51	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	62	238984	3.19	3.26	
108 1,2-Diphenylhydrazine	77	7.510	7.516	-0.006	41	344113	3.75	3.76	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	92	98590	7.50	7.65	
110 Sulfotepp	97	7.650	7.650	0.000	78	62085	3.75	3.81	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	85	32869	3.75	3.67	
113 cis-Diallate	86	7.761	7.761	0.000	0	108773	2.78	2.70	
114 Phorate	75	7.767	7.766	0.001	94	215456	3.75	3.58	
115 Phenacetin	108	7.784	7.784	0.000	92	174275	3.75	3.89	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	62	95005	3.75	3.72	
117 trans-Diallate	86	7.842	7.842	0.000	0	39587	0.9750	0.9595	
118 Hexachlorobenzene	284	7.866	7.866	0.000	93	104289	3.75	3.65	
119 Dimethoate	87	7.918	7.924	-0.006	95	139001	3.75	3.95	
120 Atrazine	200	8.000	8.000	0.000	94	92165	3.75	4.00	
121 Pentachlorophenol	266	8.064	8.064	0.000	91	122267	7.50	7.46	
123 Pentachloronitrobenzene	237	8.070	8.070	0.000	82	49214	3.75	3.88	
122 4-Aminobiphenyl	169	8.070	8.070	0.000	92	392234	3.75	4.02	
124 Pronamide	173	8.145	8.145	0.000	90	144546	3.75	3.80	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	571283	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	94	81009	3.75	3.47	
128 Phenanthrene	178	8.256	8.256	0.000	98	472502	3.75	3.74	
127 Disulfoton	88	8.262	8.262	0.000	96	213561	3.75	3.85	
129 Anthracene	178	8.303	8.303	0.000	98	476177	3.75	3.85	
130 Carbazole	167	8.466	8.466	0.000	96	444876	3.75	3.84	
131 Methyl parathion	109	8.612	8.612	0.000	91	110477	3.75	3.95	
133 Di-n-butyl phthalate	149	8.827	8.833	-0.006	100	468911	3.75	3.79	
134 Ethyl Parathion	109	8.985	8.990	-0.005	84	66283	3.75	4.00	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	79	28635	3.75	3.88	
140 Octachlorostyrene	308	9.206	9.212	-0.006	90	41125	3.75	3.87	
141 Isodrin	193	9.235	9.235	0.000	94	55586	3.75	3.74	
143 Fluoranthene	202	9.381	9.381	0.000	98	496041	3.75	3.78	
147 Benzidine	184	9.527	9.533	-0.005	99	1015536	11.3	11.9	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	573443	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	528950	3.75	3.61	
S 136 Diallate	86				0		3.75	3.66	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	656198	7.50	7.44	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	93	79917	3.75	3.67	
155 Chlorobenzilate	139	9.952	9.952	0.000	87	159601	3.75	3.94	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	275675	3.75	3.76	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	209479	3.75	3.87	
158 2-Acetylaminofluorene	181	10.471	10.471	0.000	93	159917	3.75	3.22	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	76	169562	3.75	3.84	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	434114	3.75	3.77	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	95	95607	3.75	3.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	97	426757	3.75	3.71	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	274804	3.75	3.72	
164 6-Methylchrysene	242	11.328	11.328	0.000	98	288569	3.75	3.73	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	368570	3.75	3.34	
166 7,12-Dimethylbenz(a)anthracene	256	12.033	12.033	0.000	88	184994	3.75	3.81	
167 Benzo[b]fluoranthene	252	12.027	12.033	-0.006	97	409309	3.75	3.70	
168 Benzo[k]fluoranthene	252	12.068	12.068	0.000	99	454701	3.75	3.96	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	77	378821	3.75	3.79	
* 170 Perylene-d12	264	12.511	12.517	-0.006	98	454820	5.00	5.00	
171 3-Methylcholanthrene	268	12.919	12.925	-0.006	91	177098	3.75	3.65	
172 Dibenz[a,h]acridine	279	13.653	13.653	0.000	91	276152	3.75	3.75	
173 Dibenz[a,j]acridine	279	13.723	13.723	0.000	96	312444	3.75	3.90	
174 Indeno[1,2,3-cd]pyrene	276	13.945	13.945	0.000	99	338604	3.75	3.76	
175 Dibenz(a,h)anthracene	278	13.986	13.991	-0.005	93	352100	3.75	3.73	
176 Benzo[g,h,i]perylene	276	14.295	14.294	0.001	98	354801	3.75	3.71	
S 178 Dinitrotoluene	165				0		7.50	8.07	
S 182 Isosafrole	162				0		3.75	3.84	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_4_00041 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:28:22 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2555.D

Injection Date: 26-Jun-2025 00:59:50 Instrument ID: HP19760 Operator ID: IR93211

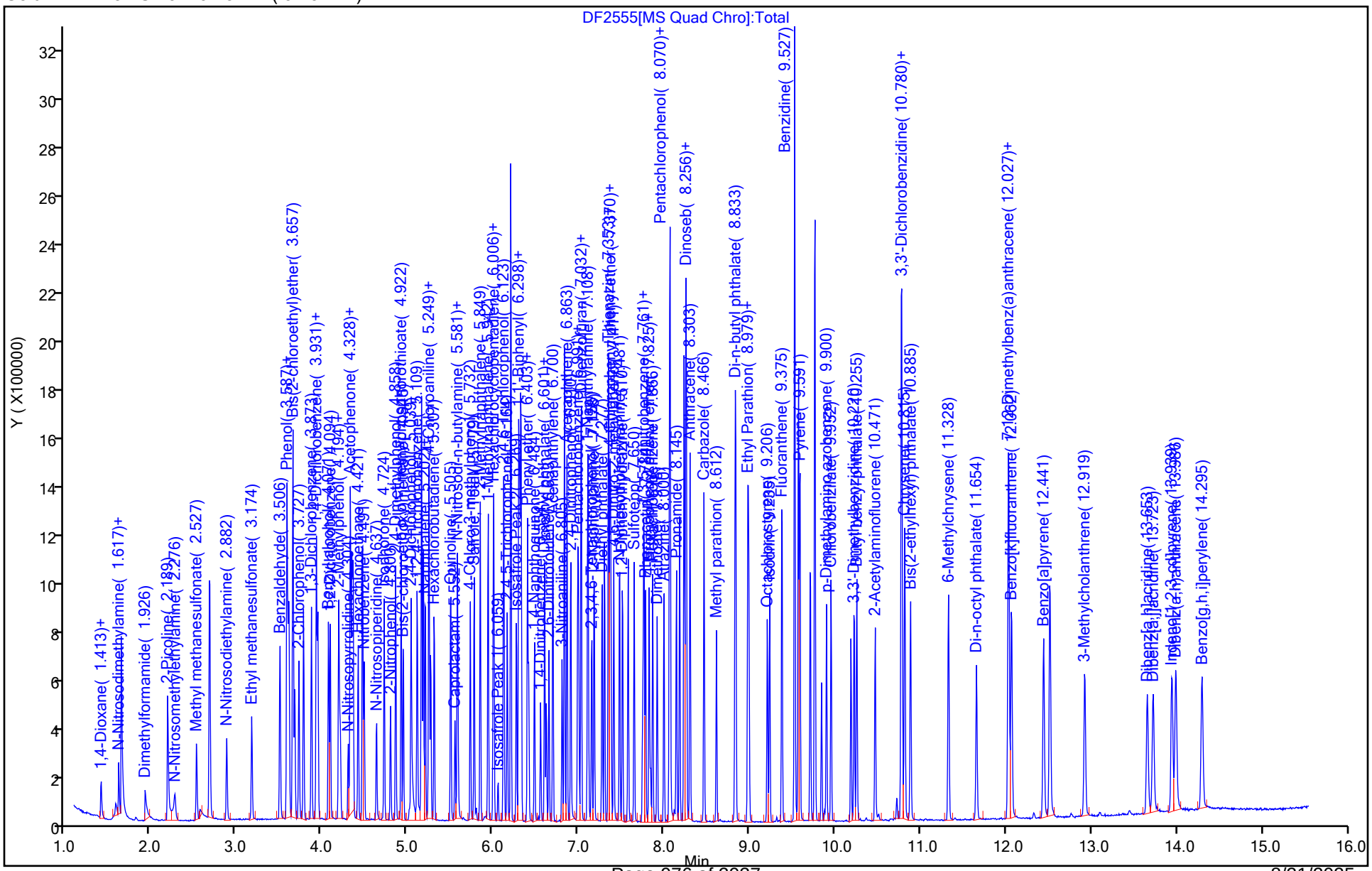
Lims ID: IC L4 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

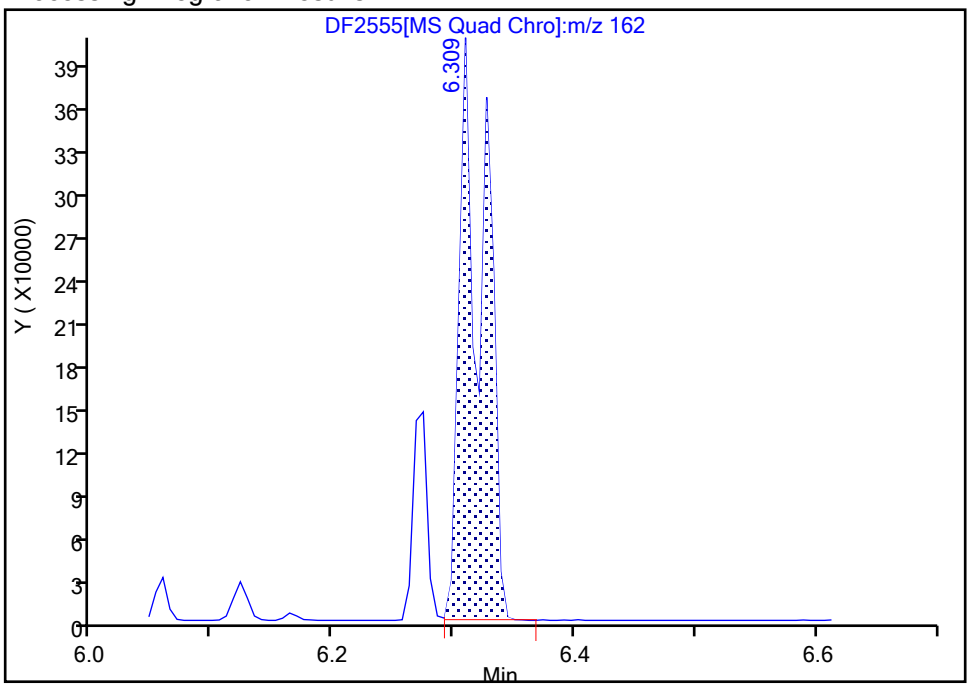
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2555.D				
Injection Date:	26-Jun-2025 00:59:50	Instrument ID:	HP19760		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

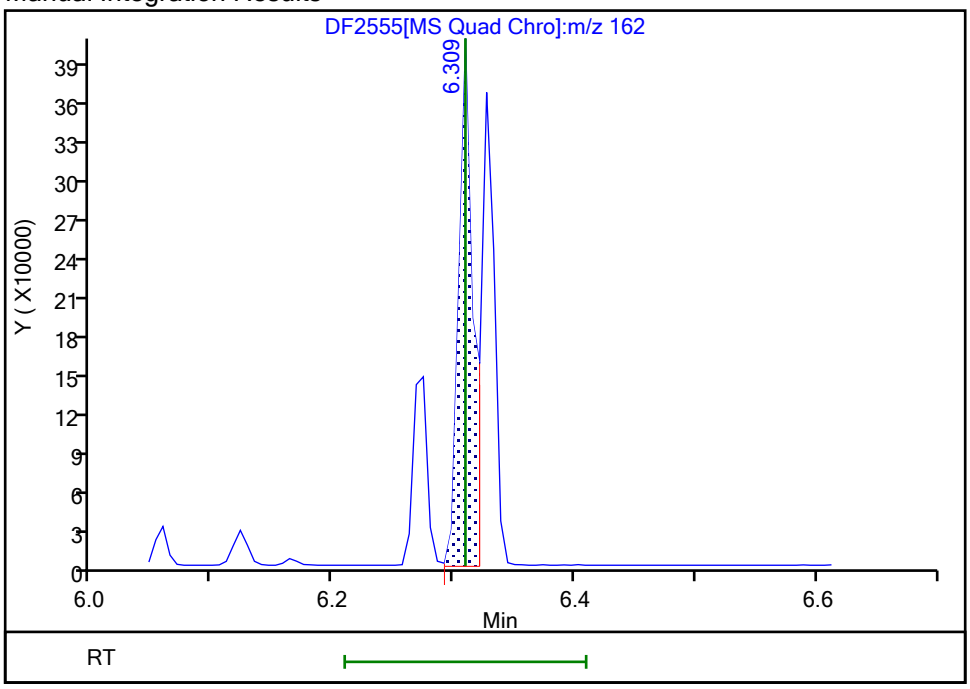
Processing Integration Results

RT: 6.31
Area: 571832
Amount: 5.039628
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 319003
Amount: 4.051775
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:25:26 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

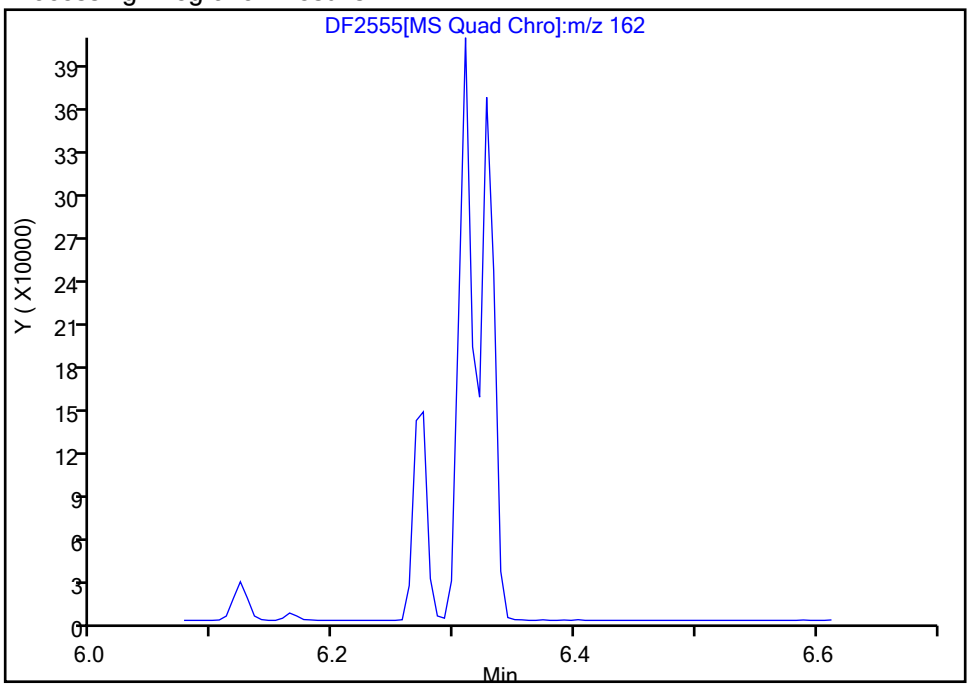
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Injection Date:	26-Jun-2025 00:59:50	Instrument ID:	HP19760		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

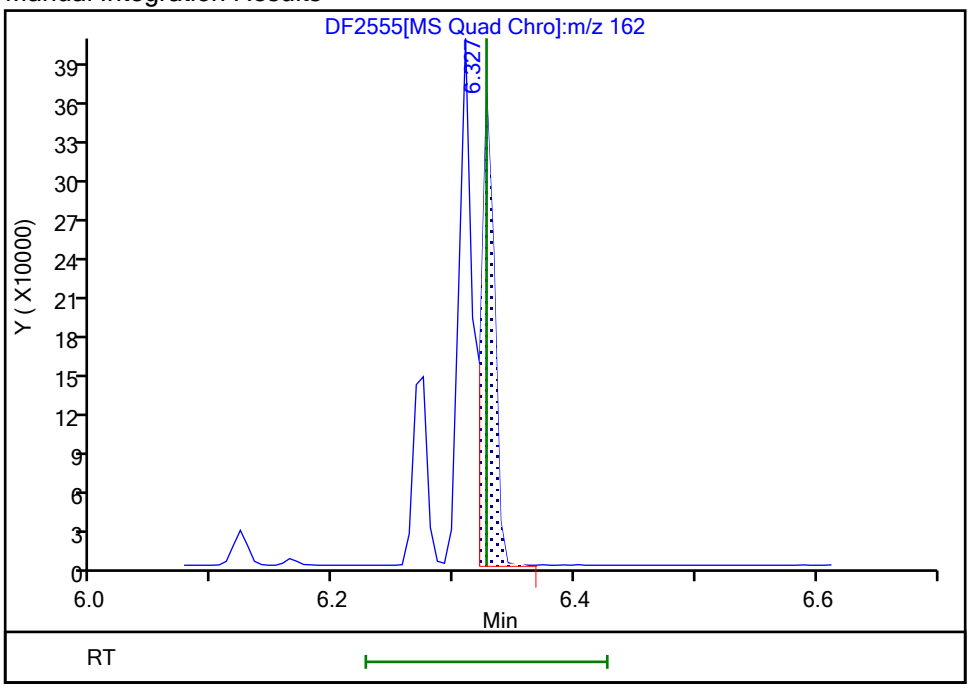
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 252829
Amount: 3.628051
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:25:34 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2556.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Jun-2025 01:20:52 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0151574-007
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:28:42 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:27:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	91	25301	1.25	1.43	
3 N-Nitrosodimethylamine	74	1.623	1.617	0.006	88	30469	1.25	1.21	
4 Pyridine	79	1.652	1.646	0.006	96	112916	2.50	2.53	
6 Dimethylformamide	73	1.955	1.914	0.041	91	34063	1.25	1.25	M
7 2-Picoline	93	2.194	2.188	0.006	90	62766	1.25	1.24	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	80	30064	1.25	1.34	
9 Methyl methanesulfonate	80	2.527	2.526	0.001	83	32079	1.25	1.24	
$ 10 2-Fluorophenol	112	2.678	2.684	-0.006	90	99146	2.50	2.38	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	84	27505	1.25	1.23	
12 Ethyl methanesulfonate	109	3.174	3.173	0.001	100	30337	1.25	1.25	
15 Benzaldehyde	77	3.506	3.506	0.000	98	53453	1.25	1.36	
$ 16 Phenol-d5	99	3.587	3.587	0.000	95	140173	2.50	2.45	
17 Phenol	94	3.599	3.599	0.000	90	78407	1.25	1.21	
18 Aniline	93	3.611	3.611	0.000	96	92313	1.25	1.21	
19 Bis(2-chloroethyl)ether	93	3.675	3.681	-0.006	99	59293	1.25	1.27	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	52136	1.25	1.24	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	58162	1.25	1.22	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	159542	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	95	60549	1.25	1.28	
25 Benzyl alcohol	108	4.071	4.071	0.000	91	34815	1.25	1.20	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	95	56026	1.25	1.23	
28 2-Methylphenol	108	4.194	4.193	0.001	94	48687	1.25	1.21	
29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	92	52269	1.25	1.24	
31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	89	29544	1.25	1.25	
34 Acetophenone	105	4.328	4.328	0.000	96	82960	1.25	1.24	
33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	80	39915	1.25	1.22	
32 4-Methylphenol	108	4.345	4.345	0.000	90	57831	1.25	1.25	
35 N-Nitrosomorpholine	56	4.345	4.351	-0.006	79	29721	1.25	1.22	
36 2-Toluidine	106	4.363	4.363	0.001	91	94998	1.25	1.31	
38 Hexachloroethane	117	4.421	4.421	0.000	95	24386	1.25	1.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.468	4.473	-0.005	86	119234	2.50	2.47	
40 Nitrobenzene	77	4.485	4.491	-0.006	84	57730	1.25	1.22	
42 N-Nitrosopiperidine	114	4.637	4.636	0.001	90	26642	1.25	1.24	
43 Isophorone	82	4.724	4.724	0.000	96	101489	1.25	1.21	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	25793	1.25	1.25	
45 2,4-Dimethylphenol	107	4.858	4.858	0.000	96	54063	1.25	1.21	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	88	26006	1.25	1.27	
47 Bis(2-chloroethoxy)methane	93	4.945	4.951	-0.006	97	65380	1.25	1.19	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	37232	1.25	1.16	
49 1,2,4-Trichlorobenzene	180	5.109	5.114	-0.005	94	46695	1.25	1.28	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	99	572121	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	96	151246	1.25	1.23	
52 Alpha-Terpineol	59	5.202	5.208	-0.006	93	36934	1.25	1.24	
53 4-Chloroaniline	127	5.249	5.248	0.001	93	60866	1.25	1.26	
54 2,6-Dichlorophenol	162	5.249	5.254	-0.005	93	38375	1.25	1.21	
55 Hexachloropropene	213	5.272	5.272	0.000	87	32735	1.25	1.25	
56 Hexachlorobutadiene	225	5.307	5.313	-0.006	96	27071	1.25	1.26	
60 Quinoline	129	5.505	5.505	0.000	95	102497	1.25	1.29	
61 Caprolactam	113	5.552	5.557	-0.005	87	13582	1.25	1.17	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	46990	1.25	1.20	
63 p-Phenylene diamine	108	5.587	5.587	0.001	97	49433	1.25	1.19	
64 4-Chloro-3-methylphenol	107	5.732	5.732	0.000	93	45568	1.25	1.22	
65 Safrole, Total	162	5.779	5.779	0.000	88	37751	1.25	1.26	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	91	87301	1.25	1.26	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	88634	1.25	1.23	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	95	26557	1.25	1.09	
69 1,2,4,5-Tetrachlorobenzene	216	6.006	6.012	-0.006	97	47606	1.25	1.27	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	87	6419	0.2000	0.1994	
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	26972	1.25	1.23	
72 2,4,5-Trichlorophenol	196	6.164	6.164	0.000	91	29944	1.25	1.25	
$ 73 2-Fluorobiphenyl (Surr)	172	6.204	6.210	-0.006	99	217364	2.50	2.59	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	91	38521	1.05	1.11	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	97	118830	1.25	1.26	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	94	102137	1.25	1.38	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	97	85117	1.25	1.30	Ma
78 Phenyl ether	170	6.403	6.403	0.000	83	68916	1.25	1.30	
79 2-Nitroaniline	138	6.414	6.414	0.000	83	27836	1.25	1.21	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	86	31469	1.25	1.22	
84 1,4-Dinitrobenzene	168	6.554	6.554	0.000	85	12752	1.25	1.12	
85 Dimethyl phthalate	163	6.601	6.607	-0.006	98	102818	1.25	1.27	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	85	15702	1.25	1.17	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	94	22785	1.25	1.32	
88 Acenaphthylene	152	6.700	6.700	0.000	98	141185	1.25	1.25	
89 3-Nitroaniline	138	6.805	6.805	0.000	91	23113	1.25	1.20	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	299113	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	95	93540	1.25	1.23	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	88	51688	5.00	4.30	
94 Pentachlorobenzene	250	6.991	6.991	0.000	98	43883	1.25	1.34	
93 4-Nitrophenol	109	6.997	7.003	-0.006	83	48918	3.75	3.79	
96 Dibenzofuran	168	7.026	7.032	-0.006	95	134147	1.25	1.29	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	89	30770	1.25	1.29	
97 1-Naphthylamine	143	7.102	7.108	-0.006	98	90947	1.25	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.155	7.154	0.000	74	24655	1.25	1.24	
99 2-Naphthylamine	143	7.178	7.184	-0.006	94	97227	1.25	1.29	
100 Diethyl phthalate	149	7.271	7.277	-0.006	98	101383	1.25	1.24	
101 Thionazin	107	7.347	7.347	0.000	78	21149	1.25	1.38	
102 Fluorene	166	7.353	7.353	0.000	92	102661	1.25	1.26	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	90	51854	1.25	1.29	
104 N-Nitro-o-toluidine	152	7.370	7.376	-0.006	87	27952	1.25	1.26	
105 4-Nitroaniline	138	7.376	7.382	-0.006	80	24061	1.25	1.27	
106 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.006	85	54575	3.75	3.60	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	62	74490	1.06	1.08	
108 1,2-Diphenylhydrazine	77	7.510	7.516	-0.006	42	109049	1.25	1.26	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	91	30069	2.50	2.49	
110 Sulfotepp	97	7.650	7.650	0.000	73	18097	1.25	1.17	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	83	8893	1.25	1.05	
113 cis-Diallate	86	7.761	7.761	0.000	0	34640	0.9250	0.9108	
114 Phorate	75	7.767	7.766	0.001	95	66071	1.25	1.22	
115 Phenacetin	108	7.778	7.784	-0.006	91	52271	1.25	1.23	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	62	29995	1.25	1.24	
117 trans-Diallate	86	7.842	7.842	0.000	0	15096	0.3250	0.3869	
118 Hexachlorobenzene	284	7.866	7.866	0.000	94	34106	1.25	1.26	
119 Dimethoate	87	7.918	7.924	-0.006	95	42696	1.25	1.28	
120 Atrazine	200	8.000	8.000	0.000	94	29297	1.25	1.34	
121 Pentachlorophenol	266	8.064	8.064	0.000	90	32315	2.50	2.09	
123 Pentachloronitrobenzene	237	8.070	8.070	0.000	79	14036	1.25	1.17	
122 4-Aminobiphenyl	169	8.070	8.070	0.000	91	116098	1.25	1.26	
124 Pronamide	173	8.145	8.145	0.000	89	42962	1.25	1.19	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	540226	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	93	21272	1.25	0.9648	
128 Phenanthrene	178	8.256	8.256	0.000	98	151844	1.25	1.27	
127 Disulfoton	88	8.262	8.262	0.000	95	67211	1.25	1.28	
129 Anthracene	178	8.303	8.303	0.000	97	152403	1.25	1.30	
130 Carbazole	167	8.466	8.466	0.000	96	139299	1.25	1.27	
131 Methyl parathion	109	8.612	8.612	0.000	90	31035	1.25	1.17	
133 Di-n-butyl phthalate	149	8.827	8.833	-0.006	100	134068	1.25	1.15	
134 Ethyl Parathion	109	8.985	8.990	-0.005	83	17482	1.25	1.12	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	74	6980	1.25	2.25	
140 Octachlorostyrene	308	9.206	9.212	-0.006	91	12803	1.25	1.27	
141 Isodrin	193	9.235	9.235	0.000	93	17577	1.25	1.25	
143 Fluoranthene	202	9.381	9.381	0.000	98	152805	1.25	1.23	
147 Benzidine	184	9.527	9.533	-0.005	99	282015	3.75	3.55	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	532366	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	169865	1.25	1.25	
S 136 Diallate	86				0		1.25	1.30	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	100	209075	2.50	2.55	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	93	21425	1.25	1.06	
155 Chlorobenzilate	139	9.952	9.952	0.000	86	45939	1.25	1.22	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	98	69130	1.25	1.02	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	96	61653	1.25	1.23	
158 2-Acetylaminofluorene	181	10.471	10.471	0.000	93	40505	1.25	0.8793	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	74	49847	1.25	1.22	
161 Benzo[a]anthracene	228	10.774	10.780	-0.006	99	133226	1.25	1.25	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	94	29340	1.25	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	97	131732	1.25	1.23	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	72962	1.25	1.06	
164 6-Methylchrysene	242	11.328	11.328	0.000	99	89470	1.25	1.25	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	90485	1.25	0.8936	
166 7,12-Dimethylbenz(a)anthracene	256	12.027	12.033	-0.006	69	49366	1.25	1.11	
167 Benzo[b]fluoranthene	252	12.027	12.033	-0.006	97	119263	1.25	1.17	
168 Benzo[k]fluoranthene	252	12.062	12.068	-0.006	99	137465	1.25	1.30	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	78	106196	1.25	1.16	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	417787	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	49055	1.25	1.10	
172 Dibenz[a,h]acridine	279	13.653	13.653	0.000	91	80481	1.25	1.19	
173 Dibenz[a,j]acridine	279	13.723	13.723	0.000	96	82318	1.25	1.12	
174 Indeno[1,2,3-cd]pyrene	276	13.939	13.945	-0.006	99	98901	1.25	1.20	
175 Dibenz(a,h)anthracene	278	13.986	13.991	-0.005	94	103868	1.25	1.20	
176 Benzo[g,h,i]perylene	276	14.295	14.294	0.001	98	106314	1.25	1.21	
S 178 Dinitrotoluene	165				0		2.50	2.61	
S 182 Isosafrole	162				0		1.25	1.31	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_3_00042 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:28:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2556.D

Injection Date: 26-Jun-2025 01:20:52 Instrument ID: HP19760 Operator ID: IR93211

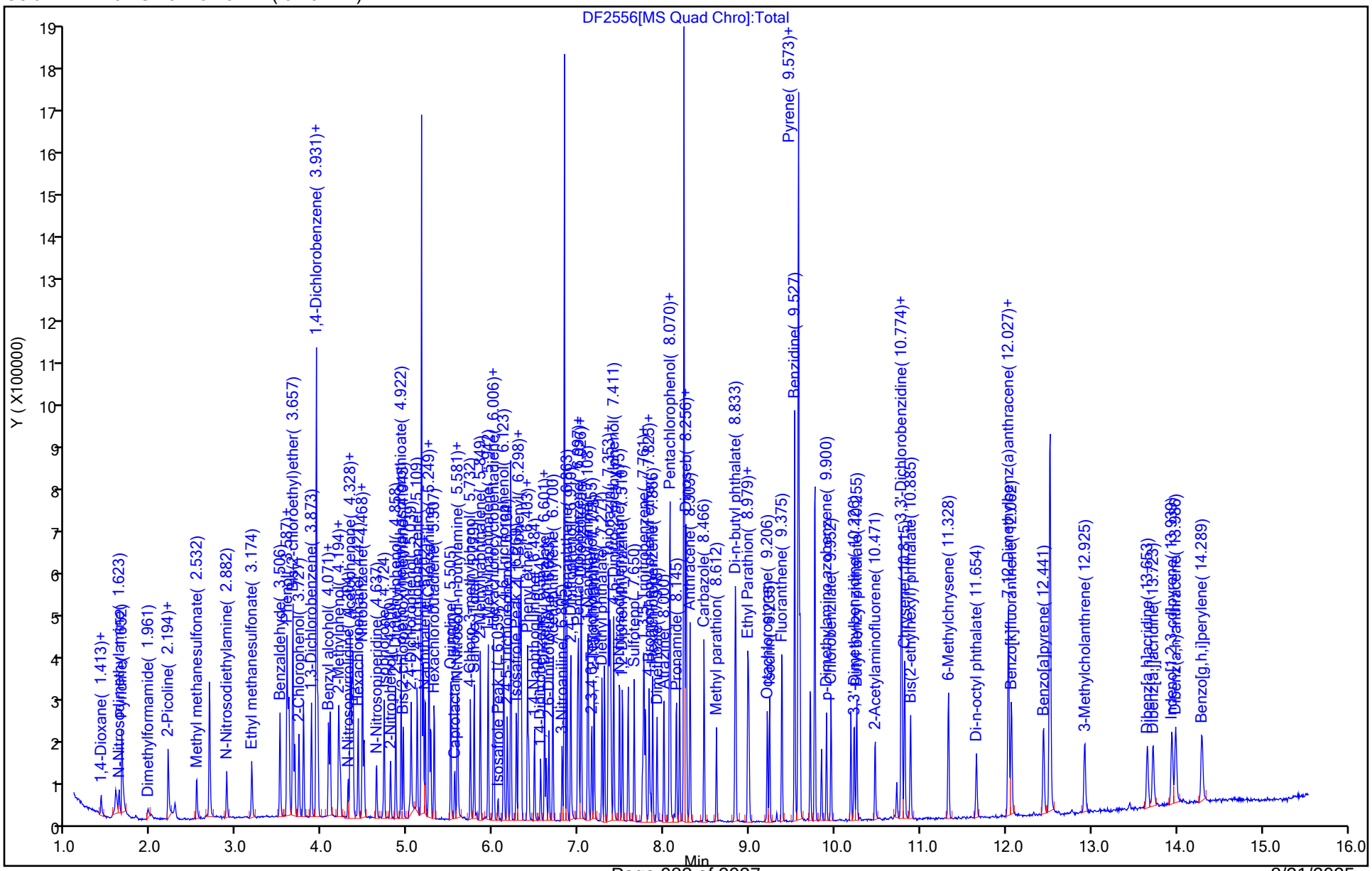
Lims ID: IC L3 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

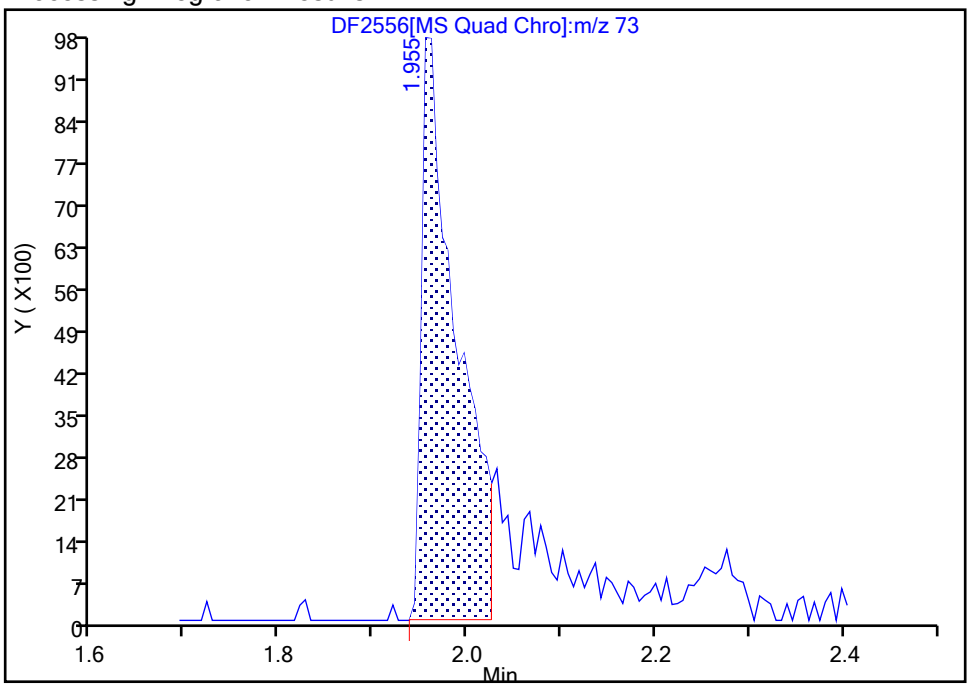
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Injection Date:	26-Jun-2025 01:20:52	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

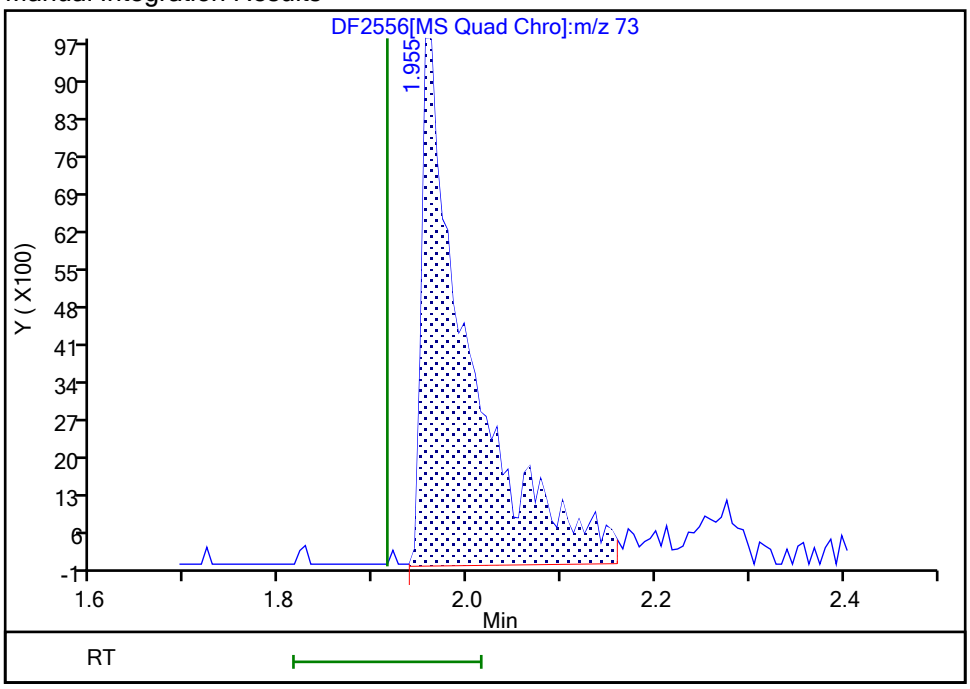
Processing Integration Results

RT: 1.96
Area: 25091
Amount: 1.212346
Amount Units: ug/ml



Manual Integration Results

RT: 1.96
Area: 34063
Amount: 1.245270
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:26:33 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

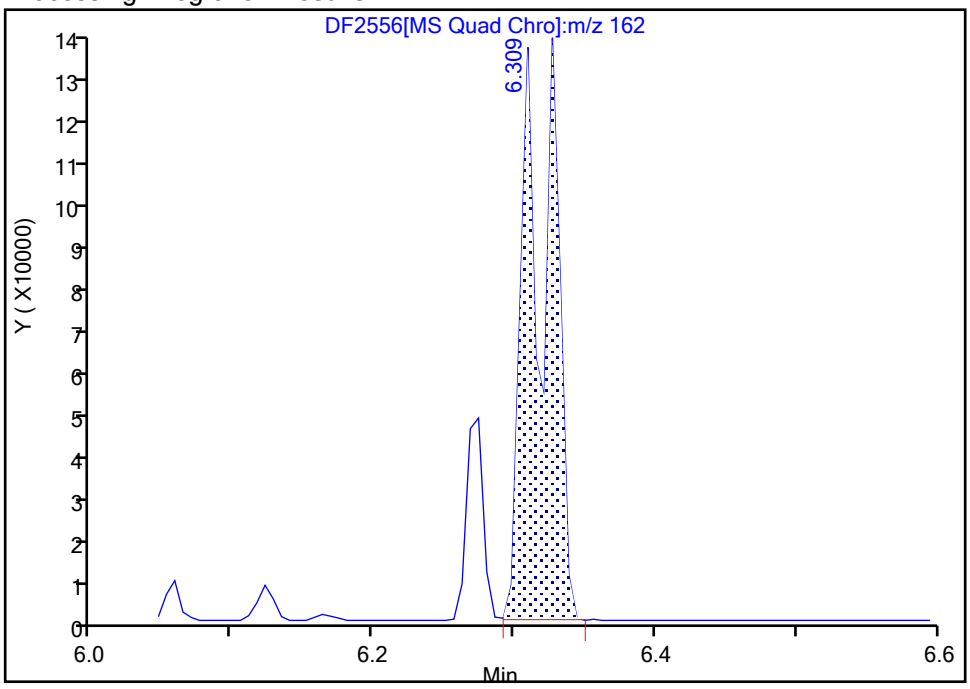
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Injection Date:	26-Jun-2025 01:20:52	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

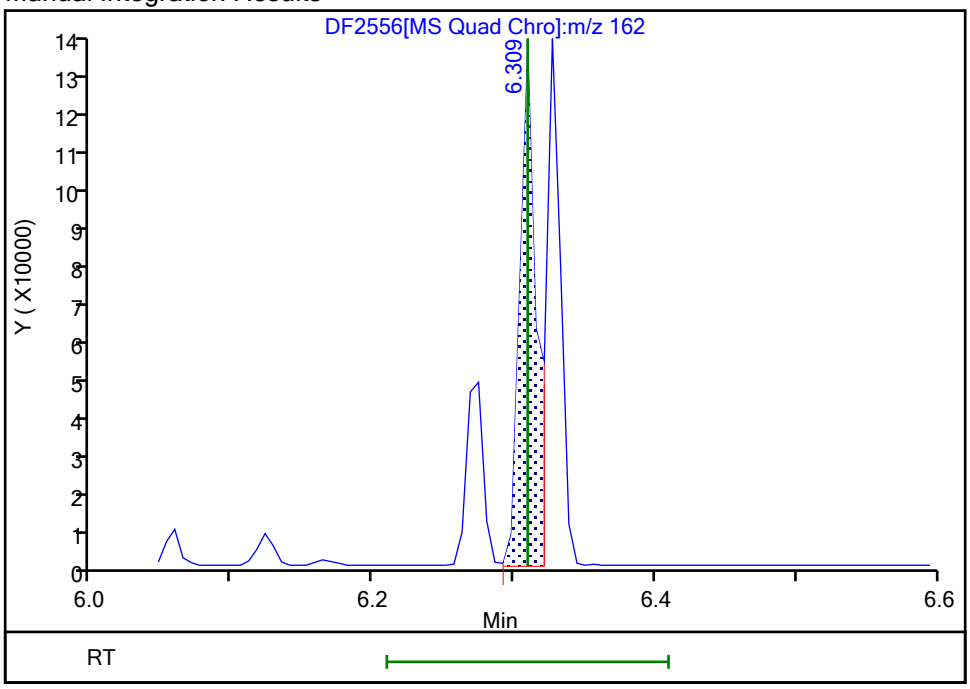
Processing Integration Results

RT: 6.31
Area: 187254
Amount: 1.902639
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 102137
Amount: 1.384559
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:26:53 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

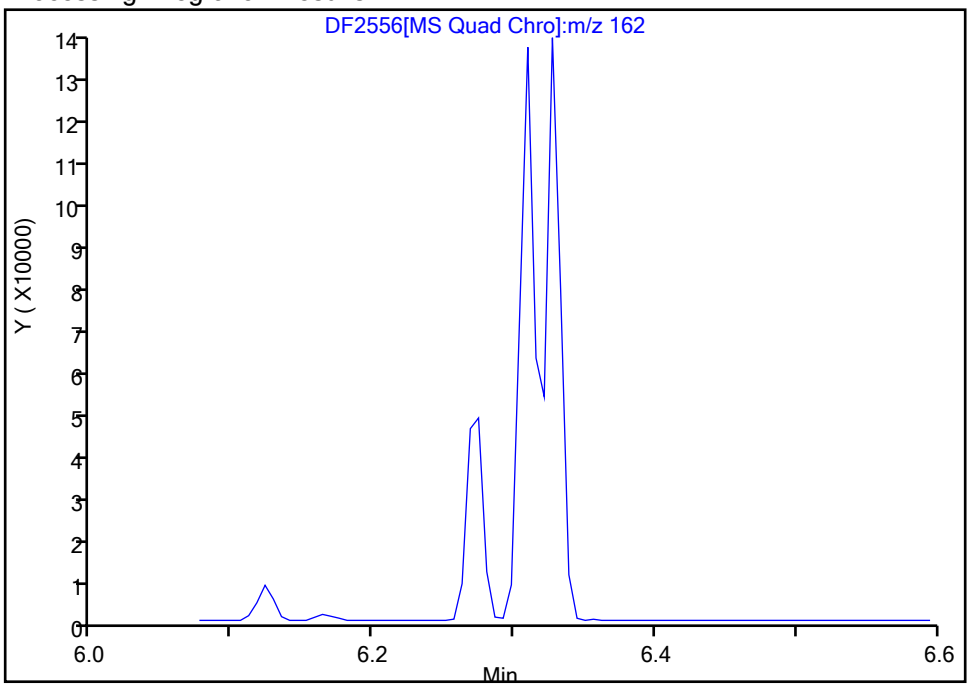
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Injection Date:	26-Jun-2025 01:20:52	Instrument ID:	HP19760		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

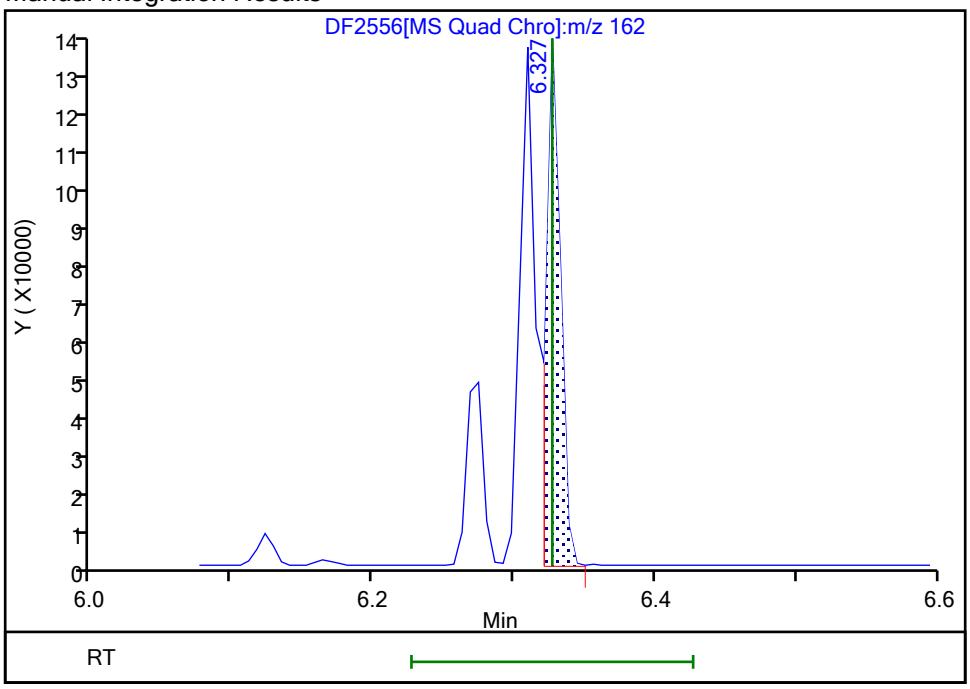
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 85117
Amount: 1.303589
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:27:01 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Jun-2025 01:41:40 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0151574-008
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:02 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:29:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	84	8142	0.2500	0.4488	
3 N-Nitrosodimethylamine	74	1.629	1.617	0.012	68	6465	0.2500	0.2491	
4 Pyridine	79	1.670	1.646	0.024	98	23414	0.5000	0.5103	
6 Dimethylformamide	73	2.019	1.914	0.105	41	7129	0.2500	0.2533	Ma
7 2-Picoline	93	2.206	2.188	0.018	90	12800	0.2500	0.2456	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	29	8816	0.2500	0.3833	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	6156	0.2500	0.2311	
$ 10 2-Fluorophenol	112	2.684	2.684	0.000	91	20130	0.5000	0.4694	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	80	5569	0.2500	0.2427	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	5710	0.2500	0.2281	
15 Benzaldehyde	77	3.506	3.506	0.000	94	9968	0.2500	0.2466	
$ 16 Phenol-d5	99	3.587	3.587	0.000	95	27952	0.5000	0.4746	
17 Phenol	94	3.605	3.599	0.006	81	15774	0.2500	0.2371	
18 Aniline	93	3.611	3.611	0.000	91	19129	0.2500	0.2429	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	-0.001	100	12085	0.2500	0.2509	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	10615	0.2500	0.2449	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	94	13620	0.2500	0.2768	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	96	164155	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	87	11775	0.2500	0.2418	
25 Benzyl alcohol	108	4.077	4.071	0.006	90	7152	0.2500	0.2392	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	95	12074	0.2500	0.2586	
28 2-Methylphenol	108	4.193	4.193	0.000	92	8830	0.2500	0.2137	
29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	90	11265	0.2500	0.2598	
31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	86	5717	0.2500	0.2351	
34 Acetophenone	105	4.327	4.328	-0.001	97	16532	0.2500	0.2396	
33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	72	7768	0.2500	0.2311	
32 4-Methylphenol	108	4.351	4.345	0.006	94	10750	0.2500	0.2254	
35 N-Nitrosomorpholine	56	4.345	4.351	-0.006	83	6175	0.2500	0.2465	
36 2-Toluidine	106	4.362	4.363	0.000	94	18485	0.2500	0.2478	
38 Hexachloroethane	117	4.421	4.421	0.000	93	5147	0.2500	0.2513	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.467	4.473	-0.006	84	26337	0.5000	0.5254	
40 Nitrobenzene	77	4.491	4.491	0.000	83	12267	0.2500	0.2495	
42 N-Nitrosopiperidine	114	4.636	4.636	0.000	87	4892	0.2500	0.2189	
43 Isophorone	82	4.724	4.724	0.000	96	20209	0.2500	0.2324	
44 2-Nitrophenol	139	4.800	4.800	0.000	89	5241	0.2500	0.2452	
45 2,4-Dimethylphenol	107	4.858	4.858	0.000	95	10489	0.2500	0.2263	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	90	4869	0.2500	0.2287	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	94	14886	0.2500	0.2604	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	93	7949	0.2500	0.2378	
49 1,2,4-Trichlorobenzene	180	5.109	5.114	-0.005	94	9561	0.2500	0.2517	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	99	594545	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	96	34499	0.2500	0.2701	
52 Alpha-Terpineol	59	5.202	5.208	-0.006	90	7168	0.2500	0.2325	
53 4-Chloroaniline	127	5.248	5.248	0.000	93	12182	0.2500	0.2418	
54 2,6-Dichlorophenol	162	5.248	5.254	-0.006	92	7716	0.2500	0.2332	
55 Hexachloropropene	213	5.272	5.272	0.000	89	5948	0.2500	0.2179	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	94	5363	0.2500	0.2395	
60 Quinoline	129	5.505	5.505	0.000	95	19462	0.2500	0.2361	
61 Caprolactam	113	5.551	5.557	-0.006	82	2609	0.2500	0.2159	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	12643	0.2500	0.3119	
63 p-Phenylene diamine	108	5.592	5.587	0.006	94	7675	0.2500	0.1771	
64 4-Chloro-3-methylphenol	107	5.732	5.732	0.000	90	8530	0.2500	0.2195	
65 Safrole, Total	162	5.779	5.779	0.000	91	7316	0.2500	0.2356	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	89	17587	0.2500	0.2447	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	90	19034	0.2500	0.2540	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	94	5259	0.2500	0.2076	
69 1,2,4,5-Tetrachlorobenzene	216	6.006	6.012	-0.006	96	10165	0.2500	0.2625	
70 Isosafrole Peak 1	162	6.059	6.059	0.000	1	1066	0.0400	0.0320	a
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	88	5184	0.2500	0.2292	
72 2,4,5-Trichlorophenol	196	6.169	6.164	0.005	89	4696	0.2500	0.1893	
$ 73 2-Fluorobiphenyl (Surr)	172	6.204	6.210	-0.006	99	43166	0.5000	0.4966	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	84	6361	0.2100	0.1765	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	93	26482	0.2500	0.2717	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	94	19809	0.2500	0.2593	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	97	17560	0.2500	0.2597	Ma
78 Phenyl ether	170	6.402	6.403	-0.001	82	14512	0.2500	0.2653	
79 2-Nitroaniline	138	6.414	6.414	0.000	76	4594	0.2500	0.1930	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	81	5320	0.2500	0.1989	
84 1,4-Dinitrobenzene	168	6.554	6.554	0.000	84	2469	0.2500	0.2090	
85 Dimethyl phthalate	163	6.601	6.607	-0.006	97	19917	0.2500	0.2369	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	82	2221	0.2500	0.1597	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	91	3697	0.2500	0.2063	
88 Acenaphthylene	152	6.700	6.700	0.000	98	28847	0.2500	0.2471	
89 3-Nitroaniline	138	6.810	6.805	0.005	87	4167	0.2500	0.2088	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	309731	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	96	20675	0.2500	0.2619	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	87	20189	2.50	1.62	
94 Pentachlorobenzene	250	6.991	6.991	0.000	96	9130	0.2500	0.2692	
93 4-Nitrophenol	109	7.003	7.003	0.000	82	16834	1.50	1.26	
96 Dibenzofuran	168	7.032	7.032	0.000	96	27552	0.2500	0.2552	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	62	5010	0.2500	0.2031	
97 1-Naphthylamine	143	7.108	7.108	0.000	98	17205	0.2500	0.2325	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	4611	0.2500	0.2238	
99 2-Naphthylamine	143	7.184	7.184	0.000	94	17373	0.2500	0.2226	
100 Diethyl phthalate	149	7.271	7.277	-0.006	97	20828	0.2500	0.2460	
101 Thionazin	107	7.347	7.347	0.000	79	3594	0.2500	0.2263	
102 Fluorene	166	7.353	7.353	0.000	93	20656	0.2500	0.2456	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	90	10741	0.2500	0.2582	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	88	4757	0.2500	0.2078	
105 4-Nitroaniline	138	7.382	7.382	0.000	89	4285	0.2500	0.2182	
106 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.006	84	17478	1.50	1.11	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	68	14062	0.2125	0.1946	
108 1,2-Diphenylhydrazine	77	7.510	7.516	-0.006	41	21673	0.2500	0.2397	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	90	5362	0.5000	0.4290	
110 Sulfotepp	97	7.650	7.650	0.000	78	4005	0.2500	0.2490	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	66	1642	0.2500	0.1855	
113 cis-Diallate	86	7.755	7.761	-0.006	0	9231	0.1850	0.2325	
114 Phorate	75	7.766	7.766	0.000	95	12136	0.2500	0.2297	
115 Phenacetin	108	7.784	7.784	0.000	90	9854	0.2500	0.2230	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	63	5741	0.2500	0.2278	
117 trans-Diallate	86	7.842	7.842	0.000	0	3766	0.0650	0.0925	
118 Hexachlorobenzene	284	7.865	7.866	-0.001	91	6891	0.2500	0.2441	
119 Dimethoate	87	7.918	7.924	-0.006	95	7136	0.2500	0.2055	
120 Atrazine	200	8.000	8.000	0.000	94	5028	0.2500	0.2209	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	14318	1.25	0.8851	
123 Pentachloronitrobenzene	237	8.069	8.070	-0.001	70	3245	0.2500	0.2591	
122 4-Aminobiphenyl	169	8.069	8.070	-0.001	91	21947	0.2500	0.2281	
124 Pronamide	173	8.145	8.145	0.000	89	7840	0.2500	0.2087	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	97	563934	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	63	3538	0.2500	0.1537	
128 Phenanthrene	178	8.256	8.256	0.000	97	33451	0.2500	0.2686	
127 Disulfoton	88	8.262	8.262	0.000	94	12709	0.2500	0.2323	a
129 Anthracene	178	8.303	8.303	0.000	97	28859	0.2500	0.2363	
130 Carbazole	167	8.466	8.466	0.000	96	27342	0.2500	0.2392	
131 Methyl parathion	109	8.612	8.612	0.000	90	5053	0.2500	0.1829	
133 Di-n-butyl phthalate	149	8.827	8.833	-0.006	99	26739	0.2500	0.2190	
134 Ethyl Parathion	109	8.985	8.990	-0.005	81	3258	0.2500	0.1993	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	73	980	0.2500	1.76	
140 Octachlorostyrene	308	9.206	9.212	-0.006	83	2781	0.2500	0.2651	
141 Isodrin	193	9.235	9.235	0.000	87	3548	0.2500	0.2419	
143 Fluoranthene	202	9.381	9.381	0.000	97	31113	0.2500	0.2401	
147 Benzidine	184	9.527	9.533	-0.005	99	42787	0.7500	0.5320	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	539140	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	98	37376	0.2500	0.2713	
S 136 Diallate	86				0		0.2500	0.3250	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	99	42253	0.5000	0.5097	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	95	4013	0.2500	0.1960	
155 Chlorobenzilate	139	9.952	9.952	0.000	85	8032	0.2500	0.2107	
156 3,3'-Dimethylbenzidine	212	10.220	10.226	-0.006	97	11225	0.2500	0.1628	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	94	10531	0.2500	0.2069	
158 2-Acetylaminofluorene	181	10.471	10.471	0.000	94	6980	0.2500	0.1496	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	60	8384	0.2500	0.2018	
161 Benzo[a]anthracene	228	10.774	10.780	-0.006	99	24819	0.2500	0.2295	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	88	3912	0.2500	0.1677	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	96	27110	0.2500	0.2505	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	94	13060	0.2500	0.1880	
164 6-Methylchrysene	242	11.328	11.328	0.000	97	16456	0.2500	0.2261	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	15900	0.2500	0.1557	
166 7,12-Dimethylbenz(a)anthracene	256	12.033	12.033	0.000	69	8709	0.2500	0.1934	
167 Benzo[b]fluoranthene	252	12.027	12.033	-0.006	97	23237	0.2500	0.2269	
168 Benzo[k]fluoranthene	252	12.062	12.068	-0.006	99	25202	0.2500	0.2368	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	77	20586	0.2500	0.2224	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	421431	5.00	5.00	
171 3-Methylcholanthrene	268	12.919	12.925	-0.006	92	8879	0.2500	0.1974	
172 Dibenz[a,h]acridine	279	13.653	13.653	0.000	90	13529	0.2500	0.1982	
173 Dibenz[a,j]acridine	279	13.723	13.723	0.000	95	14687	0.2500	0.1977	
174 Indeno[1,2,3-cd]pyrene	276	13.939	13.945	-0.006	98	17447	0.2500	0.2092	
175 Dibenz(a,h)anthracene	278	13.986	13.991	-0.005	93	19510	0.2500	0.2231	
176 Benzo[g,h,i]perylene	276	14.289	14.294	-0.005	94	20544	0.2500	0.2318	
S 178 Dinitrotoluene	165				0		0.5000	0.4095	
S 182 Isosafrole	162				0		0.2500	0.2085	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00044 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:29:03 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2557.D

Injection Date: 26-Jun-2025 01:41:40 Instrument ID: HP19760 Operator ID: IR93211

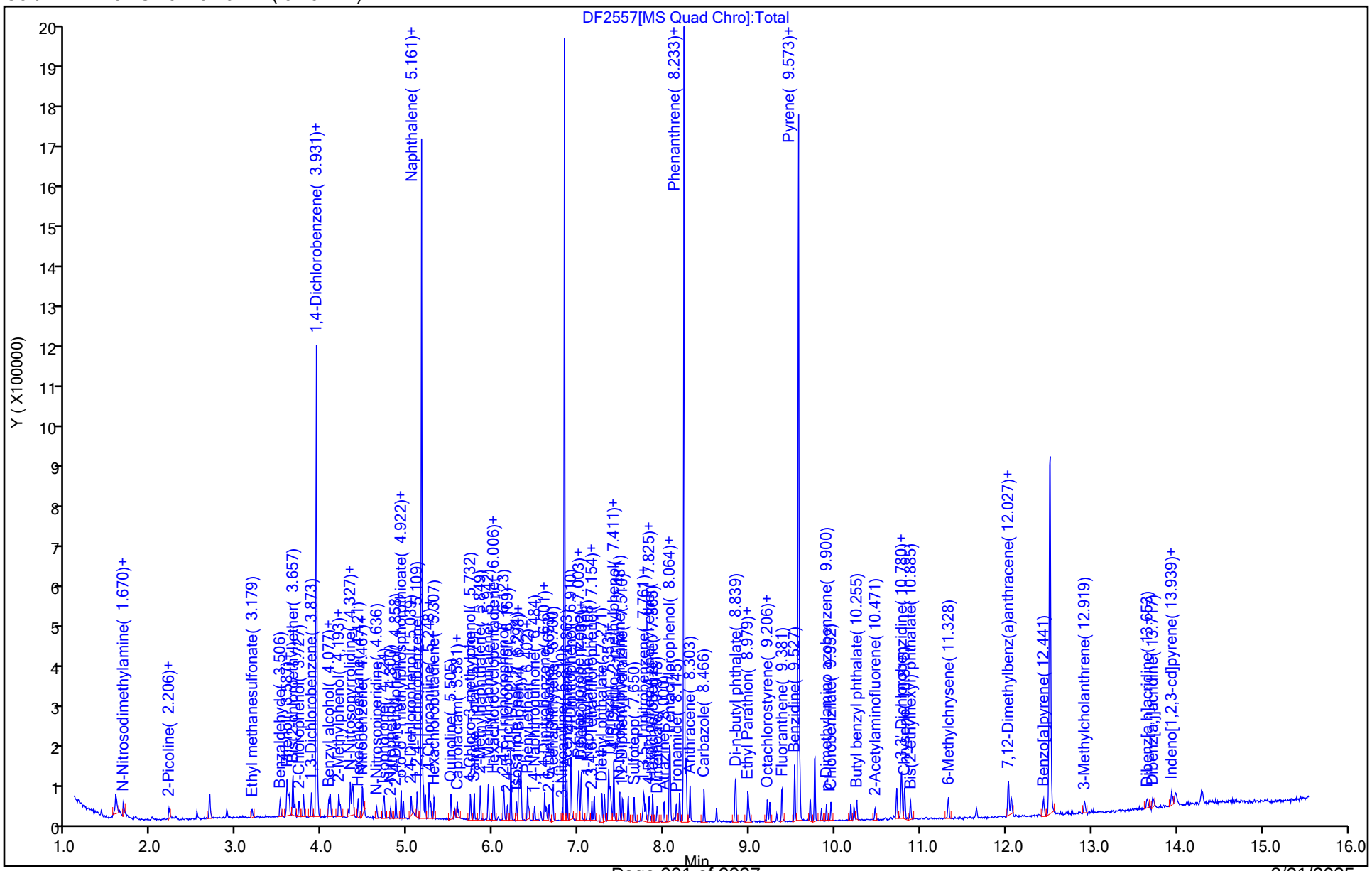
Lims ID: IC L2 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

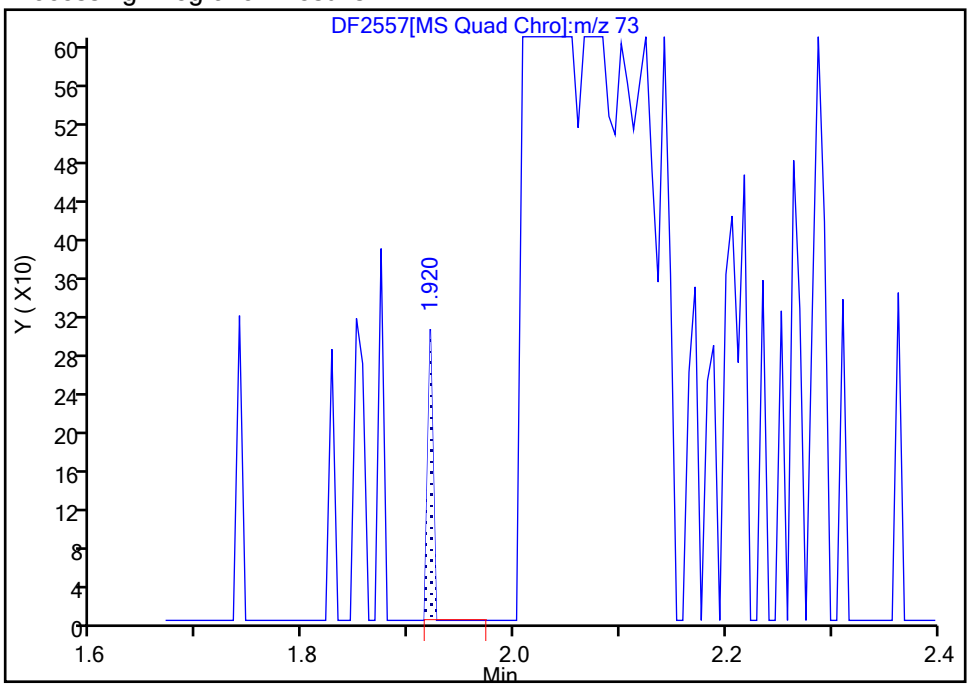
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Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760
Lims ID:	IC L2		
Client ID:			
Operator ID:	IR93211	ALS Bottle#:	8 Worklist Smp#: 8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

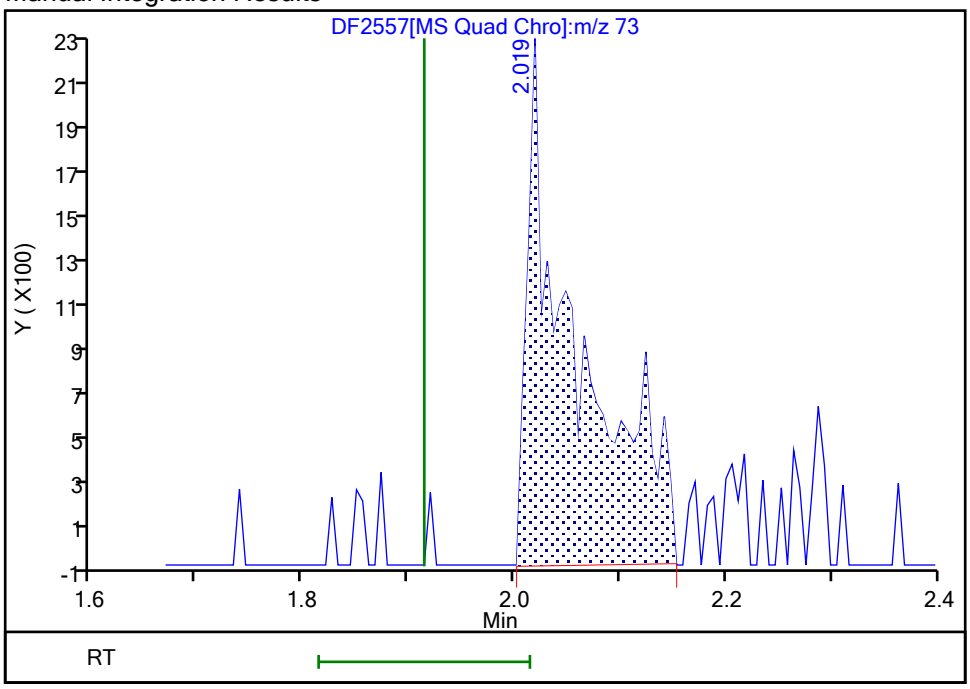
Processing Integration Results

RT: 1.92
Area: 106
Amount: 0.004771
Amount Units: ug/ml



Manual Integration Results

RT: 2.02
Area: 7129
Amount: 0.253297
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:28:05 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

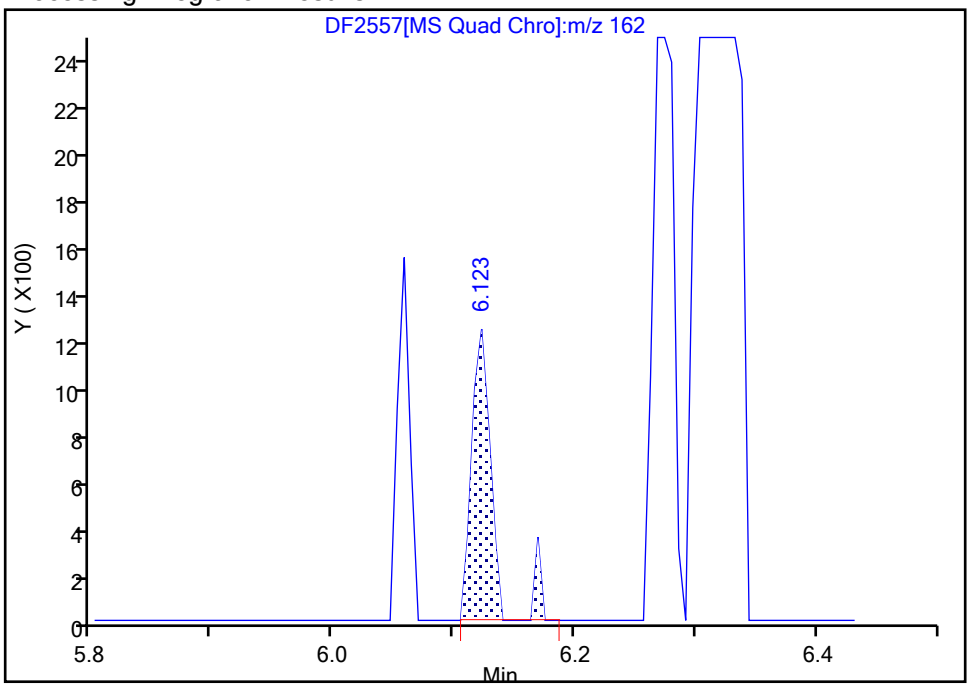
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Injection Date: 26-Jun-2025 01:41:40 Instrument ID: HP19760
Lims ID: IC L2
Client ID:
Operator ID: IR93211 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

70 Isosafrole Peak 1, CAS: STL03315

Signal: 1

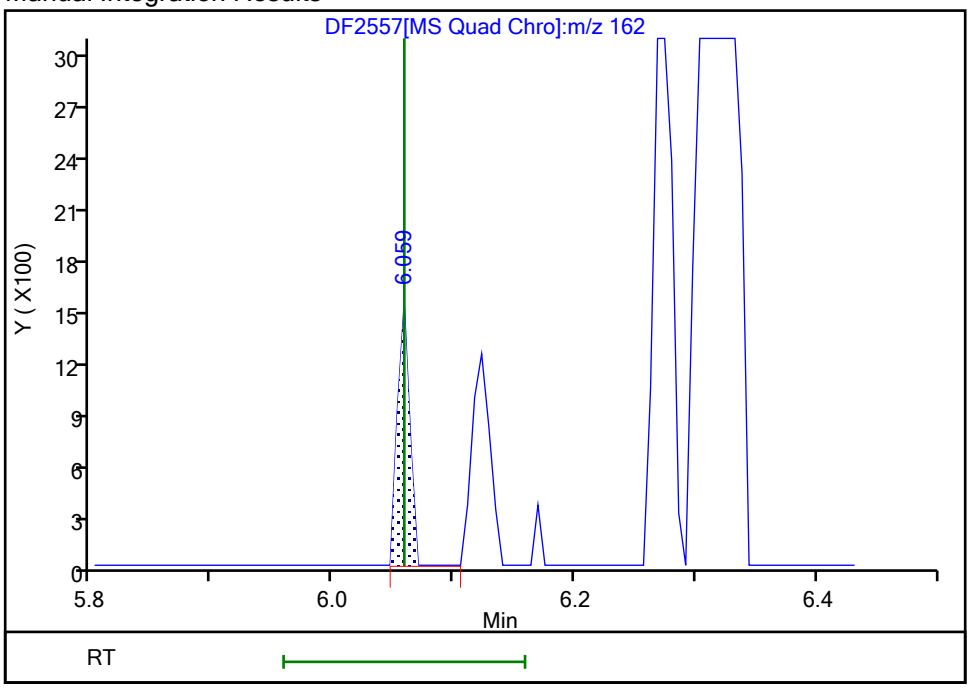
Processing Integration Results

RT: 6.12
Area: 1399
Amount: 0.039720
Amount Units: ug/ml



Manual Integration Results

RT: 6.06
Area: 1066
Amount: 0.031975
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:28:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

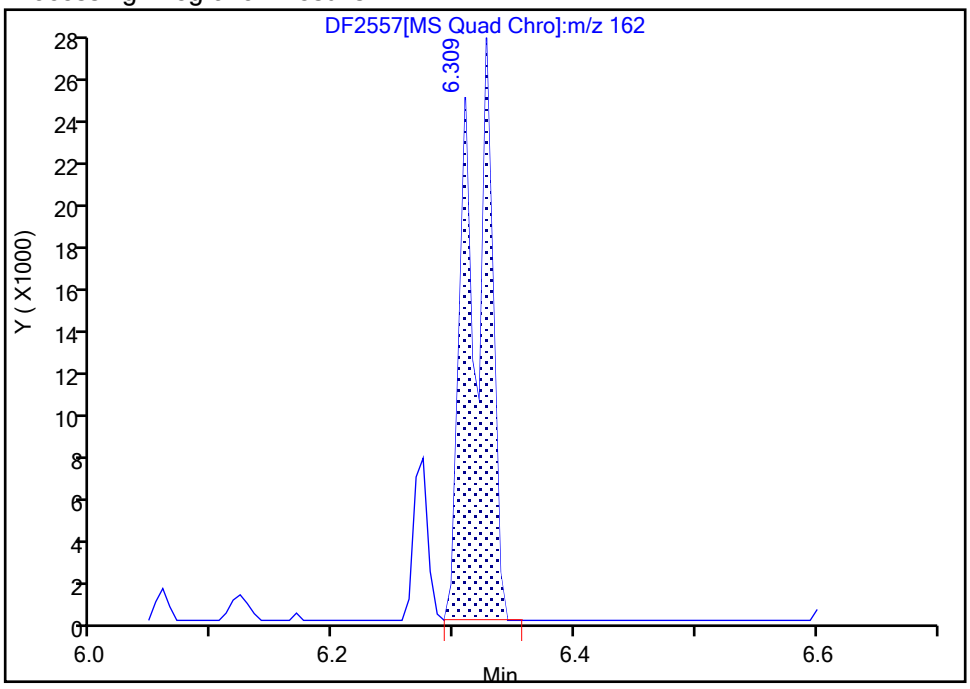
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Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

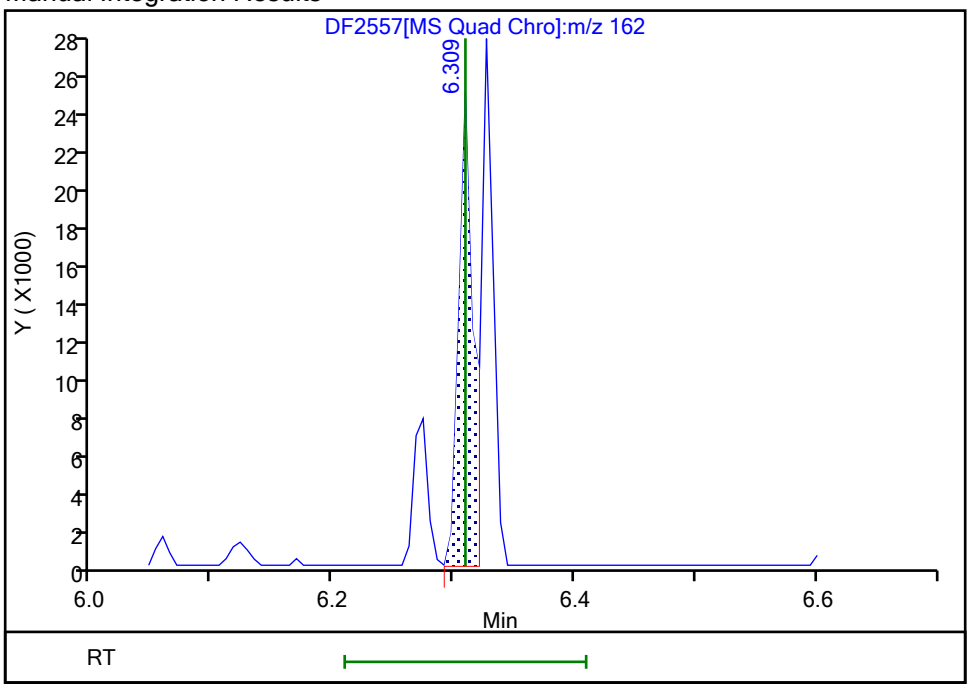
Processing Integration Results

RT: 6.31
Area: 37369
Amount: 0.401395
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 19809
Amount: 0.259323
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:28:42 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

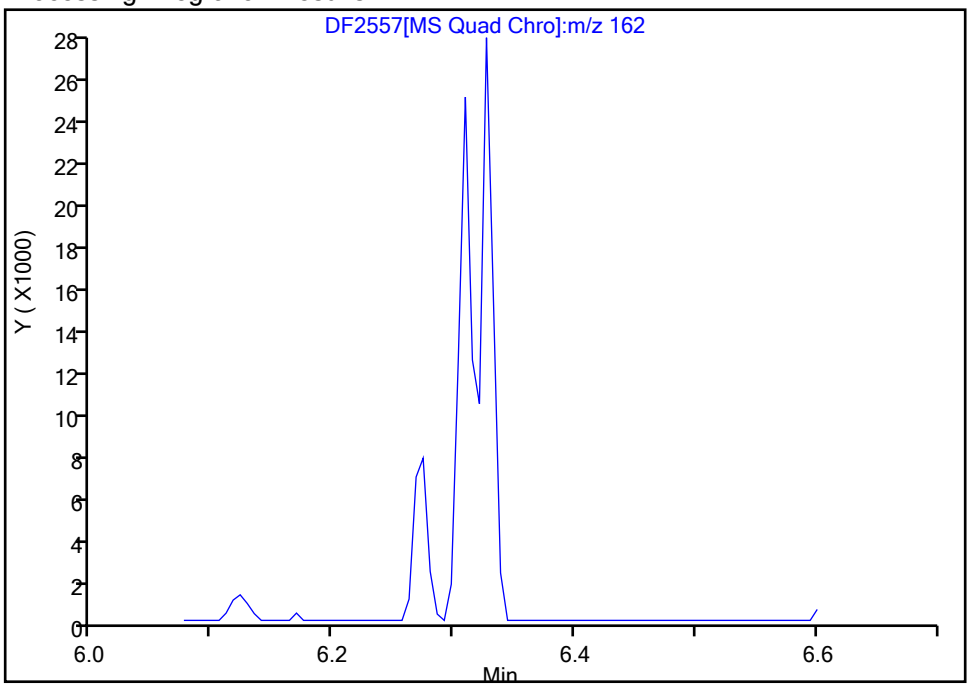
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Injection Date:	26-Jun-2025 01:41:40	Instrument ID:	HP19760		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

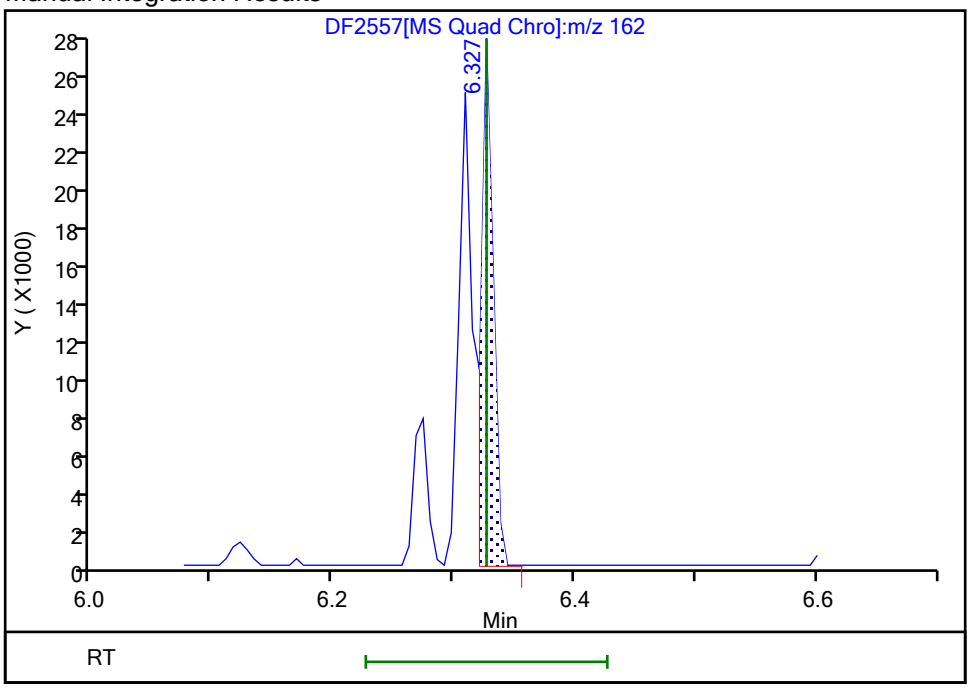
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 17560
Amount: 0.259717
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:28:52 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

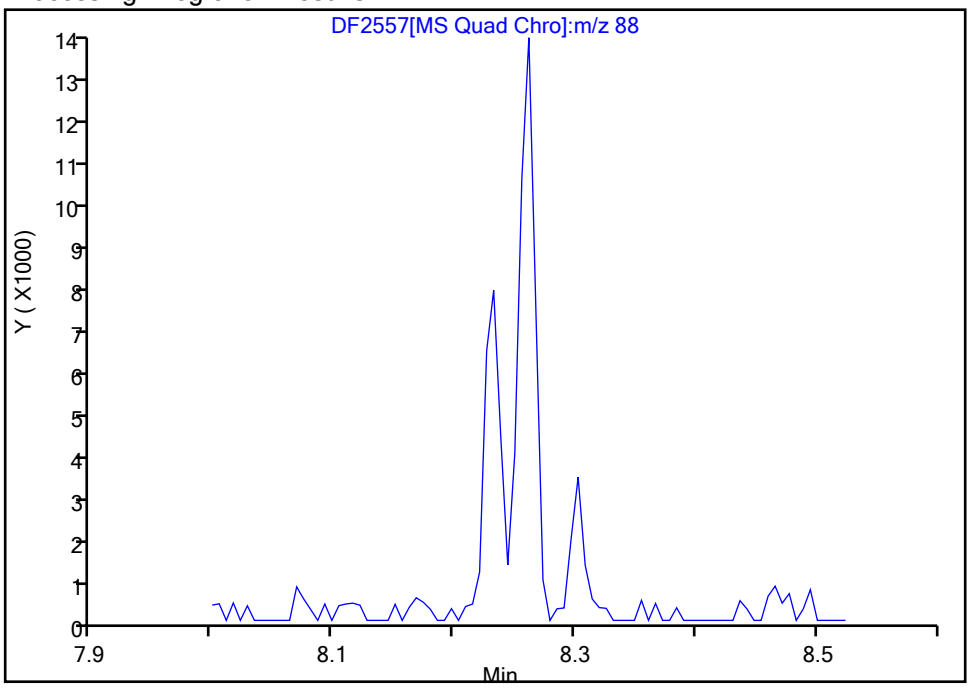
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Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

127 Disulfoton, CAS: 298-04-4

Signal: 1

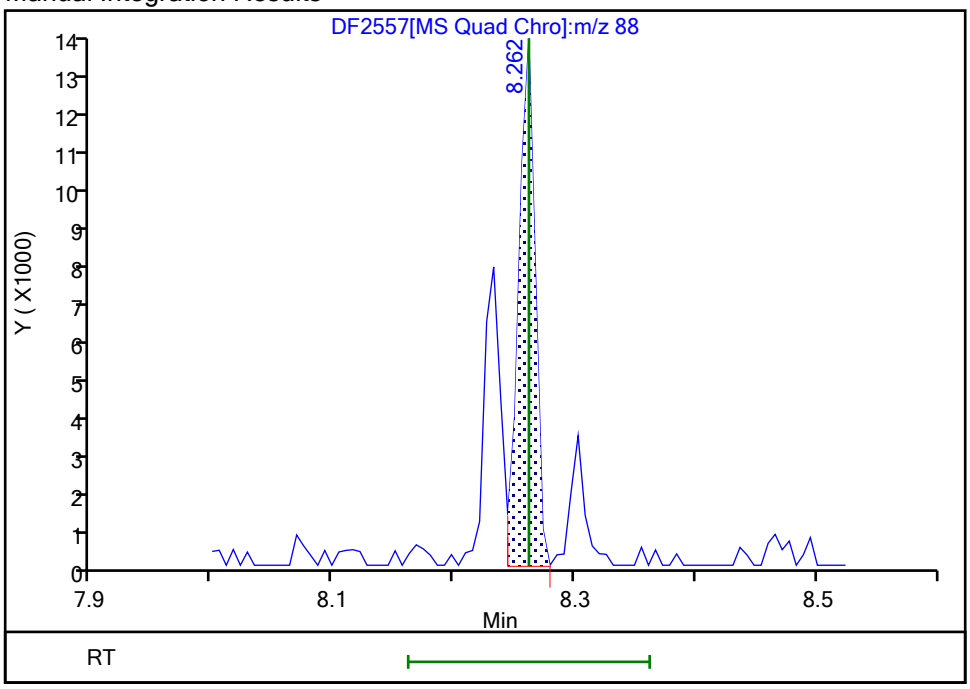
Not Detected
Expected RT: 8.26

Processing Integration Results



Manual Integration Results

RT: 8.26
Area: 12709
Amount: 0.232250
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:29:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Jun-2025 02:03:23 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0151574-009
Operator ID: IR93211 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:22 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:31:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.419	1.407	0.012	55	5463	0.1250	0.3008	
3 N-Nitrosodimethylamine	74	1.635	1.617	0.018	64	2690	0.1250	0.1036	
4 Pyridine	79	1.681	1.646	0.035	98	10595	0.2500	0.2307	
6 Dimethylformamide	73	2.060	1.914	0.146	19	2625	0.1250	0.0932	Ma
7 2-Picoline	93	2.212	2.188	0.024	90	6196	0.1250	0.1188	
8 N-Nitrosomethylethylamine	88	2.293	2.270	0.023	37	5342	0.1250	0.2320	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	83	3308	0.1250	0.1241	
$ 10 2-Fluorophenol	112	2.684	2.684	0.000	90	9592	0.2500	0.2234	
11 N-Nitrosodiethylamine	102	2.888	2.882	0.006	81	2843	0.1250	0.1238	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	95	3231	0.1250	0.1289	
15 Benzaldehyde	77	3.506	3.506	0.000	94	5254	0.1250	0.1299	
$ 16 Phenol-d5	99	3.593	3.587	0.006	94	13144	0.2500	0.2229	
17 Phenol	94	3.605	3.599	0.006	53	8703	0.1250	0.1307	
18 Aniline	93	3.611	3.611	0.000	91	9731	0.1250	0.1234	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	95	5965	0.1250	0.1237	
20 2-Chlorophenol	128	3.727	3.727	0.000	91	4622	0.1250	0.1065	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	92	6002	0.1250	0.1219	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	96	164322	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	91	5820	0.1250	0.1194	
25 Benzyl alcohol	108	4.077	4.071	0.006	91	3218	0.1250	0.1075	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	6052	0.1250	0.1295	
28 2-Methylphenol	108	4.194	4.193	0.001	93	5214	0.1250	0.1261	
29 2,2'-oxybis[1-chloropropane]	45	4.205	4.205	0.000	92	5300	0.1250	0.1221	
31 N-Nitrosopyrrolidine	100	4.304	4.304	0.000	84	2765	0.1250	0.1136	
34 Acetophenone	105	4.328	4.328	0.000	93	9495	0.1250	0.1374	
33 N-Nitrosodi-n-propylamine	70	4.333	4.333	0.000	56	4269	0.1250	0.1269	
32 4-Methylphenol	108	4.351	4.345	0.006	82	5595	0.1250	0.1172	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	41	3486	0.1250	0.1390	
36 2-Toluidine	106	4.363	4.363	0.001	92	8185	0.1250	0.1096	
38 Hexachloroethane	117	4.421	4.421	0.000	88	2677	0.1250	0.1306	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.473	4.473	0.000	87	11520	0.2500	0.2335	
40 Nitrobenzene	77	4.491	4.491	0.000	80	5985	0.1250	0.1237	
42 N-Nitrosopiperidine	114	4.637	4.636	0.001	88	2909	0.1250	0.1323	
43 Isophorone	82	4.724	4.724	0.000	95	9839	0.1250	0.1150	
44 2-Nitrophenol	139	4.806	4.800	0.006	81	1804	0.1250	0.0858	
45 2,4-Dimethylphenol	107	4.864	4.858	0.006	91	5387	0.1250	0.1181	
46 o,o',o''-Triethylphosphorothioat	198	4.922	4.922	0.000	79	2797	0.1250	0.1335	
47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	94	7294	0.1250	0.1296	
48 2,4-Dichlorophenol	162	5.039	5.039	0.000	94	3700	0.1250	0.1125	
49 1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	92	4461	0.1250	0.1193	
* 50 Naphthalene-d8	136	5.161	5.161	0.000	99	585122	5.00	5.00	
51 Naphthalene	128	5.184	5.184	0.000	94	16366	0.1250	0.1302	
52 Alpha-Terpineol	59	5.208	5.208	0.000	91	3711	0.1250	0.1223	
53 4-Chloroaniline	127	5.249	5.248	0.001	86	5319	0.1250	0.1073	
54 2,6-Dichlorophenol	162	5.254	5.254	0.000	84	3948	0.1250	0.1213	
55 Hexachloropropene	213	5.272	5.272	0.000	84	3403	0.1250	0.1267	
56 Hexachlorobutadiene	225	5.313	5.313	0.000	91	2766	0.1250	0.1255	
60 Quinoline	129	5.505	5.505	0.000	97	10482	0.1250	0.1292	
61 Caprolactam	113	5.557	5.557	0.000	70	879	0.1250	0.0739	
62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	88	10753	0.1250	0.2696	
63 p-Phenylene diamine	108	5.598	5.587	0.012	26	3264	0.1250	0.0765	
64 4-Chloro-3-methylphenol	107	5.738	5.732	0.006	52	4184	0.1250	0.1094	
65 Safrole, Total	162	5.779	5.779	0.000	87	3723	0.1250	0.1218	
66 2-Methylnaphthalene	142	5.849	5.849	0.000	90	9060	0.1250	0.1281	
67 1-Methylnaphthalene	142	5.942	5.942	0.000	87	9143	0.1250	0.1240	
68 Hexachlorocyclopentadiene	237	6.000	6.000	0.000	89	2566	0.1250	0.1027	
69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	96	4944	0.1250	0.1294	
70 Isosafrole Peak 1	162	6.053	6.059	-0.006	1	648	0.0200	0.0197	a
71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	88	2121	0.1250	0.0950	
72 2,4,5-Trichlorophenol	196	6.169	6.164	0.005	93	2710	0.1250	0.1107	
$ 73 2-Fluorobiphenyl (Surr)	172	6.204	6.210	-0.006	99	22715	0.2500	0.2648	
74 Isosafrole Peak 2	162	6.274	6.274	0.000	86	3643	0.1050	0.1024	
75 1,1'-Biphenyl	154	6.298	6.298	0.000	95	12010	0.1250	0.1249	
76 2-Chloronaphthalene	162	6.309	6.309	0.000	94	9223	0.1250	0.1224	M
77 1-Chloronaphthalene	162	6.327	6.327	0.000	94	7825	0.1250	0.1173	Ma
78 Phenyl ether	170	6.403	6.403	0.000	83	6518	0.1250	0.1207	
79 2-Nitroaniline	138	6.420	6.414	0.006	79	2039	0.1250	0.0868	
81 1,4-Naphthoquinone	158	6.484	6.484	0.000	85	2595	0.1250	0.0983	
84 1,4-Dinitrobenzene	168	6.560	6.554	0.006	78	1153	0.1250	0.0989	
85 Dimethyl phthalate	163	6.601	6.607	-0.006	98	10789	0.1250	0.1300	
86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	76	1181	0.1250	0.0861	
87 2,6-Dinitrotoluene	165	6.653	6.653	0.000	86	1865	0.1250	0.1055	
88 Acenaphthylene	152	6.700	6.700	0.000	99	13095	0.1250	0.1137	
89 3-Nitroaniline	138	6.811	6.805	0.006	82	1874	0.1250	0.0952	
* 90 Acenaphthene-d10	164	6.834	6.834	0.000	95	305646	5.00	5.00	
91 Acenaphthene	153	6.863	6.863	0.000	95	10813	0.1250	0.1388	
92 2,4-Dinitrophenol	184	6.910	6.910	0.000	83	7818	1.25	0.6365	
94 Pentachlorobenzene	250	6.991	6.991	0.000	92	4062	0.1250	0.1214	
93 4-Nitrophenol	109	7.003	7.003	0.000	80	7194	0.7500	0.5449	
96 Dibenzofuran	168	7.032	7.032	0.000	95	14225	0.1250	0.1335	
95 2,4-Dinitrotoluene	165	7.032	7.032	0.000	60	2389	0.1250	0.0982	
97 1-Naphthylamine	143	7.108	7.108	0.000	97	8619	0.1250	0.1180	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
98 2,3,4,6-Tetrachlorophenol	232	7.155	7.154	0.000	70	2399	0.1250	0.1180	
99 2-Naphthylamine	143	7.184	7.184	0.000	94	9360	0.1250	0.1215	
100 Diethyl phthalate	149	7.271	7.277	-0.006	97	9990	0.1250	0.1196	
101 Thionazin	107	7.347	7.347	0.000	75	1969	0.1250	0.1257	
102 Fluorene	166	7.353	7.353	0.000	91	10483	0.1250	0.1263	
103 4-Chlorophenyl phenyl ether	204	7.364	7.364	0.000	85	5683	0.1250	0.1384	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	52	2214	0.1250	0.0980	
105 4-Nitroaniline	138	7.382	7.382	0.000	54	1666	0.1250	0.0860	
106 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.006	79	7945	0.7500	0.5142	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	64	7018	0.1063	0.0994	
108 1,2-Diphenylhydrazine	77	7.510	7.516	-0.006	41	10609	0.1250	0.1201	
$ 109 2,4,6-Tribromophenol	330	7.580	7.580	0.000	83	3063	0.2500	0.2483	
110 Sulfotepp	97	7.644	7.650	-0.006	75	1889	0.1250	0.1202	
112 1,3,5-Trinitrobenzene	213	7.749	7.749	0.000	66	687	0.1250	0.0794	
113 cis-Diallate	86	7.761	7.761	0.000	0	9663	0.0925	0.2491	
114 Phorate	75	7.767	7.766	0.001	94	6429	0.1250	0.1305	
115 Phenacetin	108	7.784	7.784	0.000	90	3995	0.1250	0.0925	
116 4-Bromophenyl phenyl ether	248	7.825	7.825	0.000	62	3669	0.1250	0.1490	
117 trans-Diallate	86	7.848	7.842	0.006	0	2950	0.0325	0.0741	Ma
118 Hexachlorobenzene	284	7.866	7.866	0.000	91	4146	0.1250	0.1503	
119 Dimethoate	87	7.918	7.924	-0.006	94	3290	0.1250	0.0970	
120 Atrazine	200	8.000	8.000	0.000	87	2215	0.1250	0.0996	
121 Pentachlorophenol	266	8.064	8.064	0.000	89	6296	0.6250	0.3982	
123 Pentachloronitrobenzene	237	8.070	8.070	0.000	51	1374	0.1250	0.1122	
122 4-Aminobiphenyl	169	8.070	8.070	0.000	88	10142	0.1250	0.1079	
124 Pronamide	173	8.145	8.145	0.000	85	4153	0.1250	0.1131	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	551135	5.00	5.00	
125 Dinoseb	211	8.250	8.250	0.000	62	1335	0.1250	0.0593	
128 Phenanthrene	178	8.256	8.256	0.000	95	16327	0.1250	0.1341	
127 Disulfoton	88	8.262	8.262	0.000	92	6625	0.1250	0.1239	a
129 Anthracene	178	8.303	8.303	0.000	96	14149	0.1250	0.1185	
130 Carbazole	167	8.466	8.466	0.000	96	12554	0.1250	0.1124	
131 Methyl parathion	109	8.612	8.612	0.000	85	2308	0.1250	0.0855	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	99	13524	0.1250	0.1133	
134 Ethyl Parathion	109	8.991	8.990	0.001	64	1284	0.1250	0.0804	
135 4-Nitroquinoline-1-oxide	190	9.002	8.996	0.006	1	332	0.1250	1.71	
140 Octachlorostyrene	308	9.206	9.212	-0.006	76	1105	0.1250	0.1078	
141 Isodrin	193	9.235	9.235	0.000	88	2076	0.1250	0.1448	
143 Fluoranthene	202	9.381	9.381	0.000	97	15525	0.1250	0.1226	
147 Benzidine	184	9.527	9.533	-0.005	99	20037	0.3750	0.2551	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	99	526602	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	96	19663	0.1250	0.1461	
S 136 Diallate	86				0		0.1250	0.3232	
$ 152 p-Terphenyl-d14	244	9.766	9.766	0.000	99	21161	0.2500	0.2614	
154 p-Dimethylamino azobenzene	225	9.900	9.900	0.000	83	1511	0.1250	0.0755	
155 Chlorobenzilate	139	9.952	9.952	0.000	84	3442	0.1250	0.0924	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	96	5277	0.1250	0.0784	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	95	4938	0.1250	0.0993	
158 2-Acetylaminofluorene	181	10.465	10.471	-0.006	86	2754	0.1250	0.0604	
159 3,3'-Dichlorobenzidine	252	10.774	10.774	0.000	58	4100	0.1250	0.1010	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	97	11962	0.1250	0.1132	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	59	1648	0.1250	0.0723	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.815	10.815	0.000	98	13742	0.1250	0.1300	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	6461	0.1250	0.0952	
164 6-Methylchrysene	242	11.328	11.328	0.000	98	8873	0.1250	0.1248	
165 Di-n-octyl phthalate	149	11.654	11.654	0.000	98	8088	0.1250	0.0821	
166 7,12-Dimethylbenz(a)anthracene	256	12.027	12.033	-0.006	69	3548	0.1250	0.0817	
167 Benzo[b]fluoranthene	252	12.027	12.033	-0.006	96	11450	0.1250	0.1159	
168 Benzo[k]fluoranthene	252	12.062	12.068	-0.006	98	11312	0.1250	0.1101	
169 Benzo[a]pyrene	252	12.441	12.441	0.000	78	9561	0.1250	0.1070	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	406678	5.00	5.00	
171 3-Methylcholanthrene	268	12.919	12.925	-0.006	88	3812	0.1250	0.0878	
172 Dibenz[a,h]acridine	279	13.648	13.653	-0.005	89	7168	0.1250	0.1088	
173 Dibenz[a,j]acridine	279	13.718	13.723	-0.005	94	7387	0.1250	0.1031	
174 Indeno[1,2,3-cd]pyrene	276	13.945	13.945	0.000	97	8737	0.1250	0.1086	
175 Dibenz(a,h)anthracene	278	13.992	13.991	0.001	94	9561	0.1250	0.1133	
176 Benzo[g,h,i]perylene	276	14.295	14.294	0.001	97	10274	0.1250	0.1201	
S 178 Dinitrotoluene	165				0		0.2500	0.2036	
S 182 Isosafrole	162				0		0.1250	0.1221	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00043 Amount Added: 1.00 Units: mL

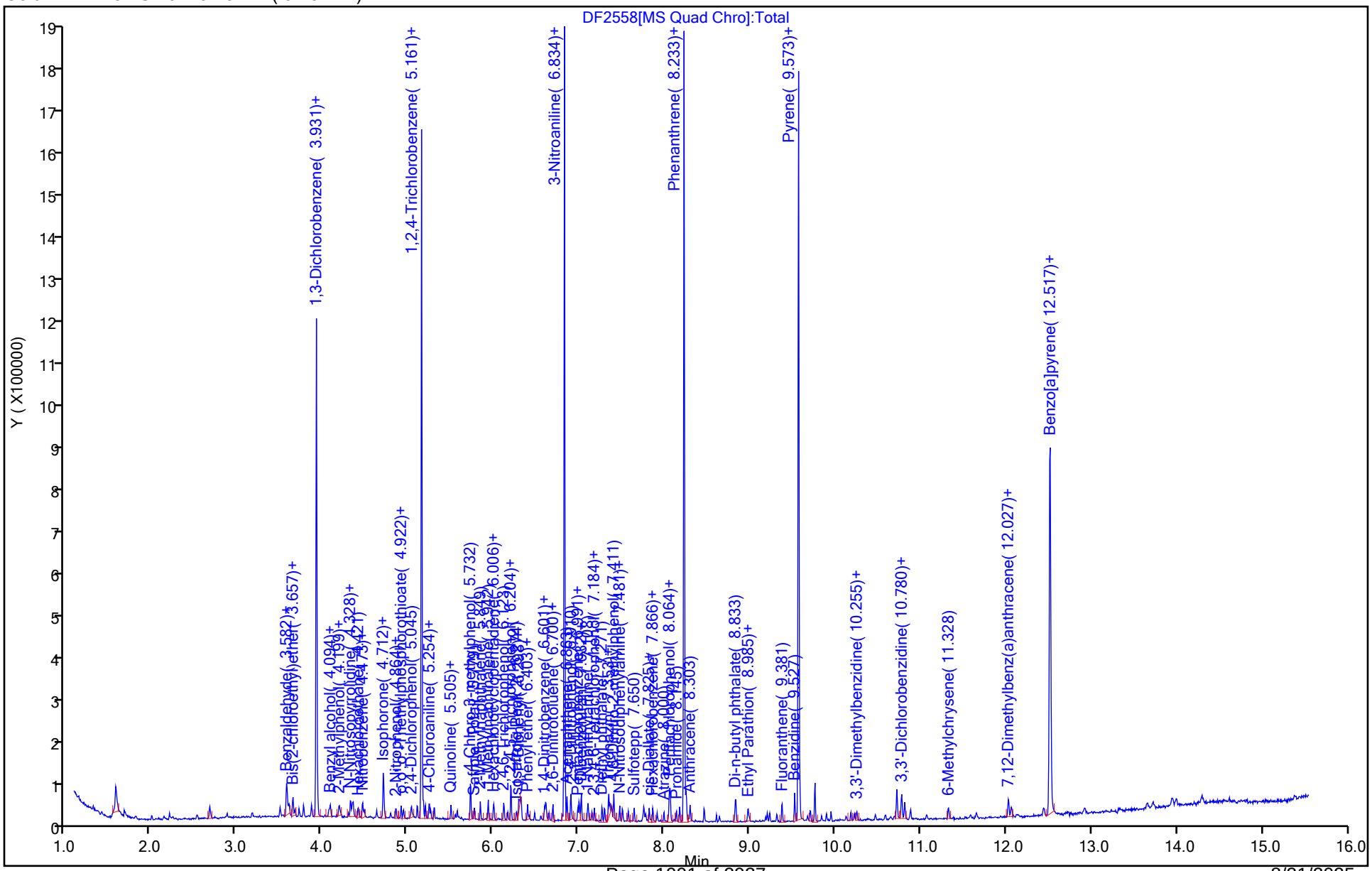
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

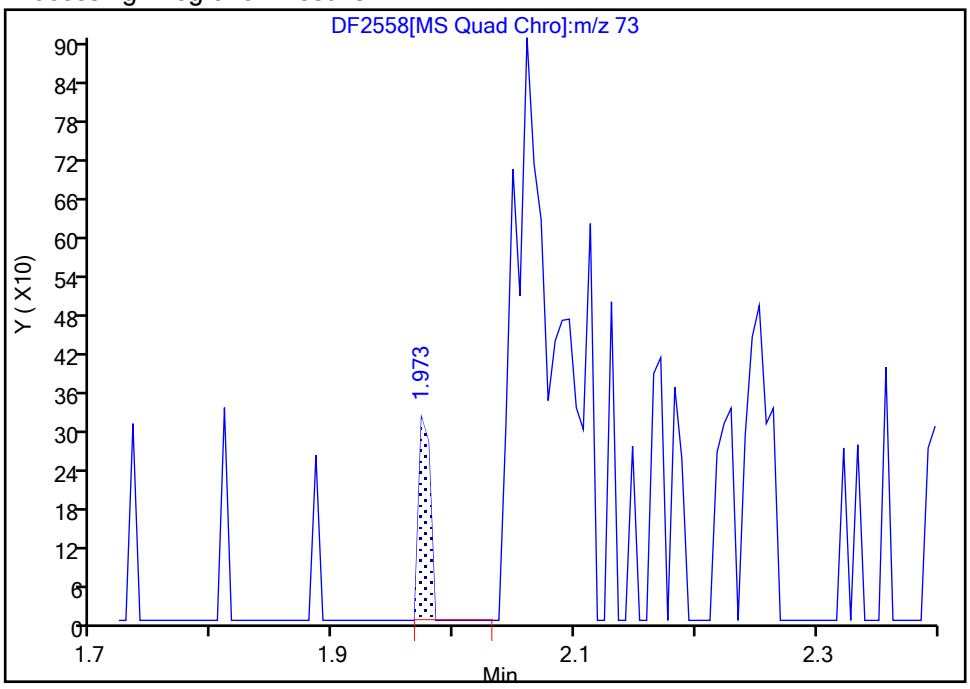
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Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 Dimethylformamide, CAS: 68-12-2

Signal: 1

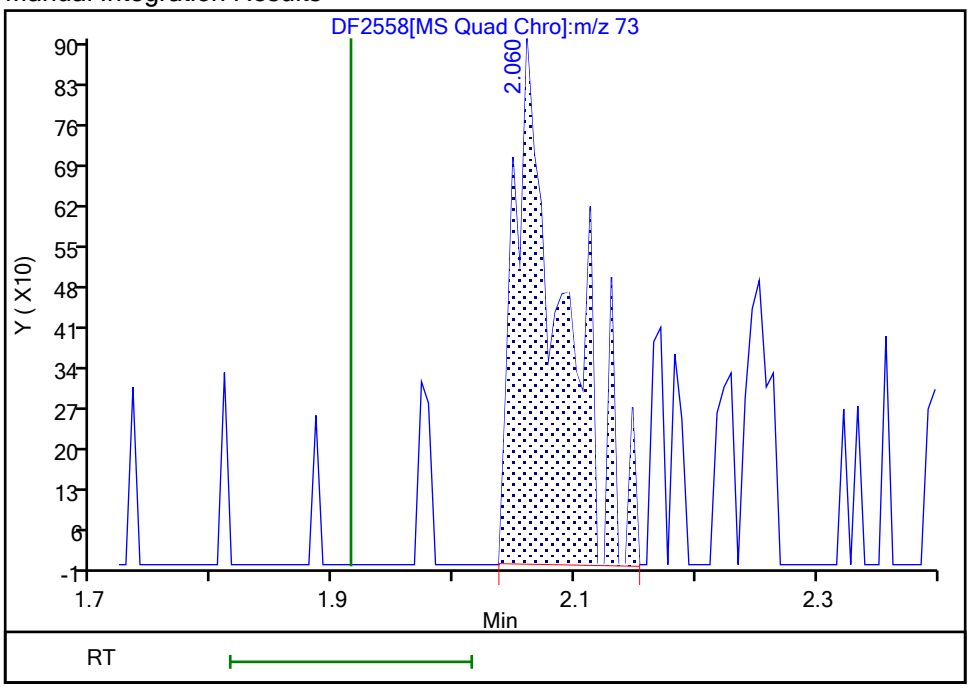
Processing Integration Results

RT: 1.97
Area: 207
Amount: 0.008037
Amount Units: ug/ml



Manual Integration Results

RT: 2.06
Area: 2625
Amount: 0.093173
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:30:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

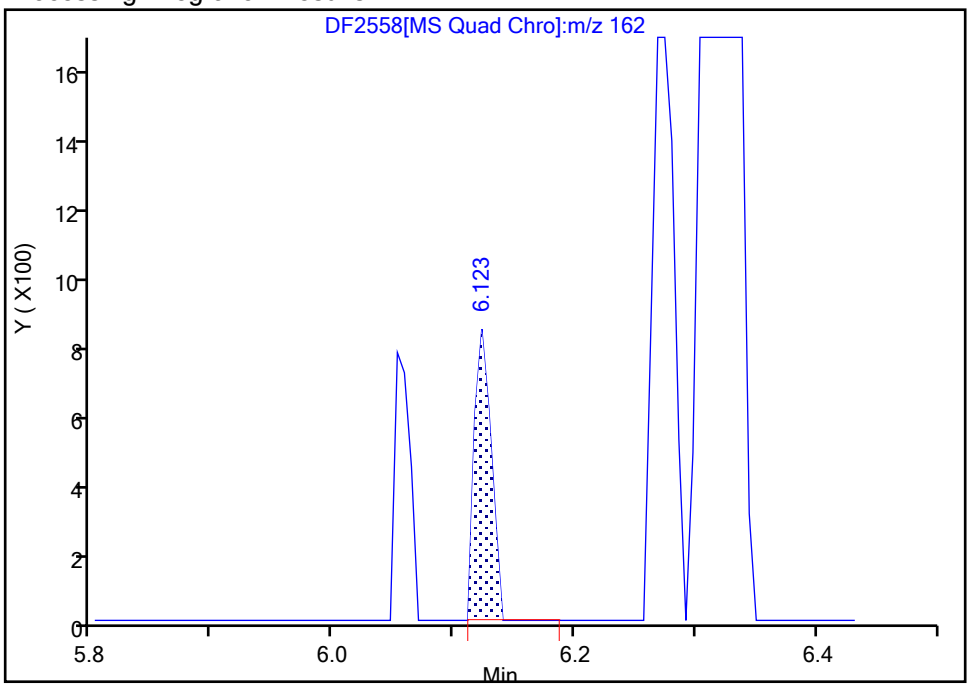
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Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 Isosafrole Peak 1, CAS: STL03315

Signal: 1

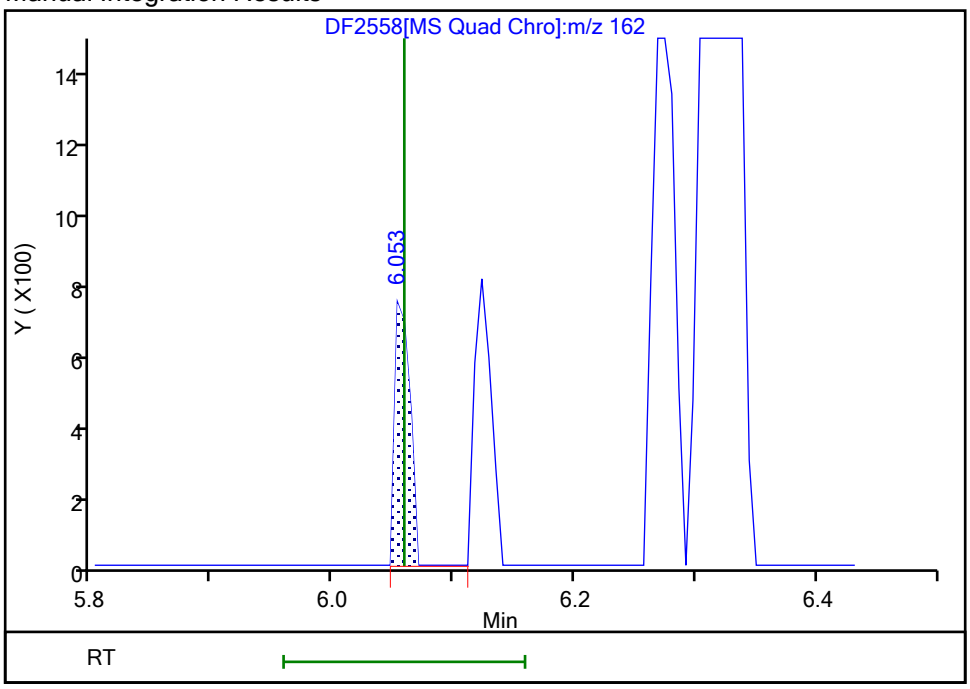
Processing Integration Results

RT: 6.12
Area: 781
Amount: 0.023154
Amount Units: ug/ml



Manual Integration Results

RT: 6.05
Area: 648
Amount: 0.019697
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:30:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

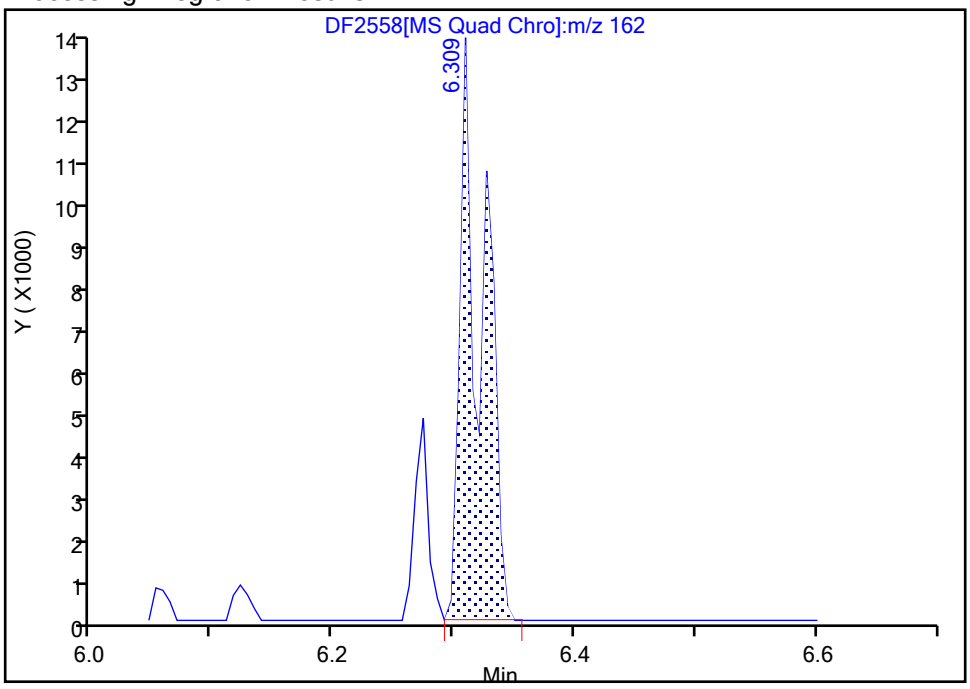
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Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

76 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

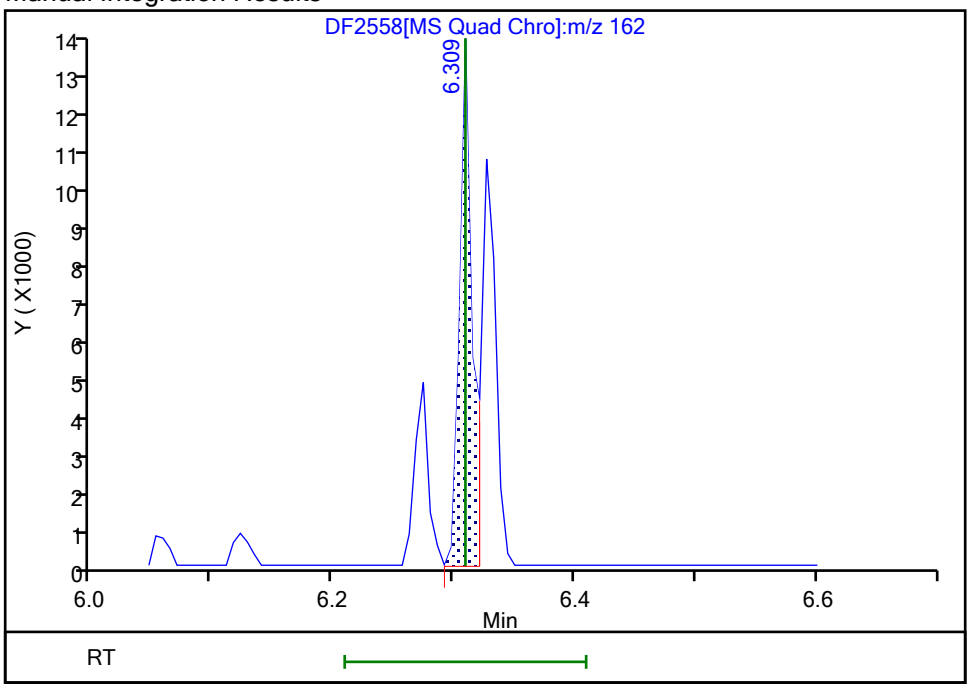
Processing Integration Results

RT: 6.31
Area: 17049
Amount: 0.143625
Amount Units: ug/ml



Manual Integration Results

RT: 6.31
Area: 9223
Amount: 0.122354
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:30:40 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

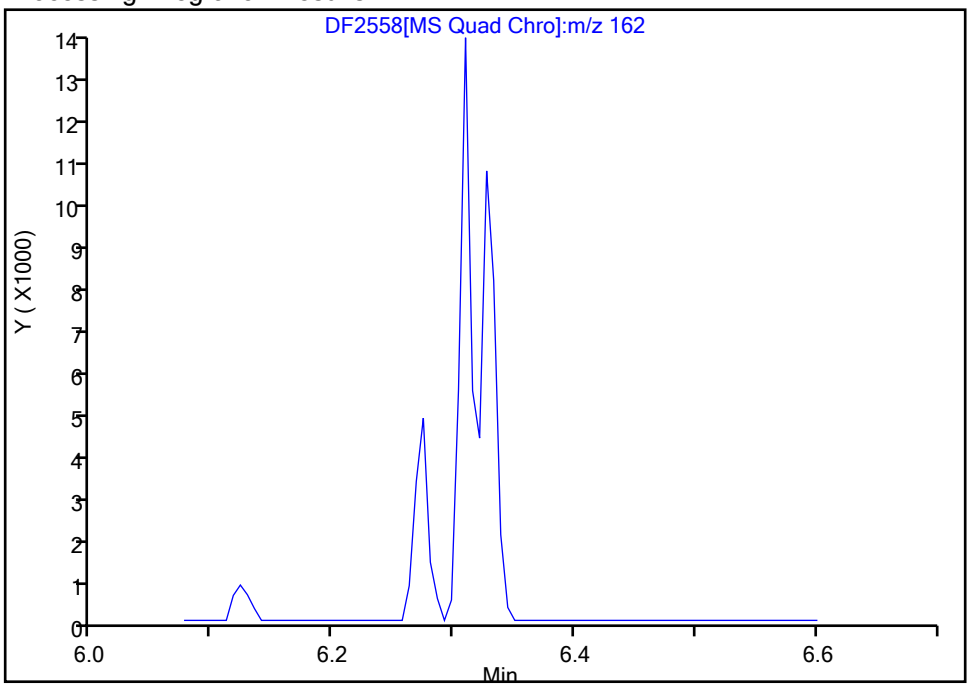
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Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

77 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

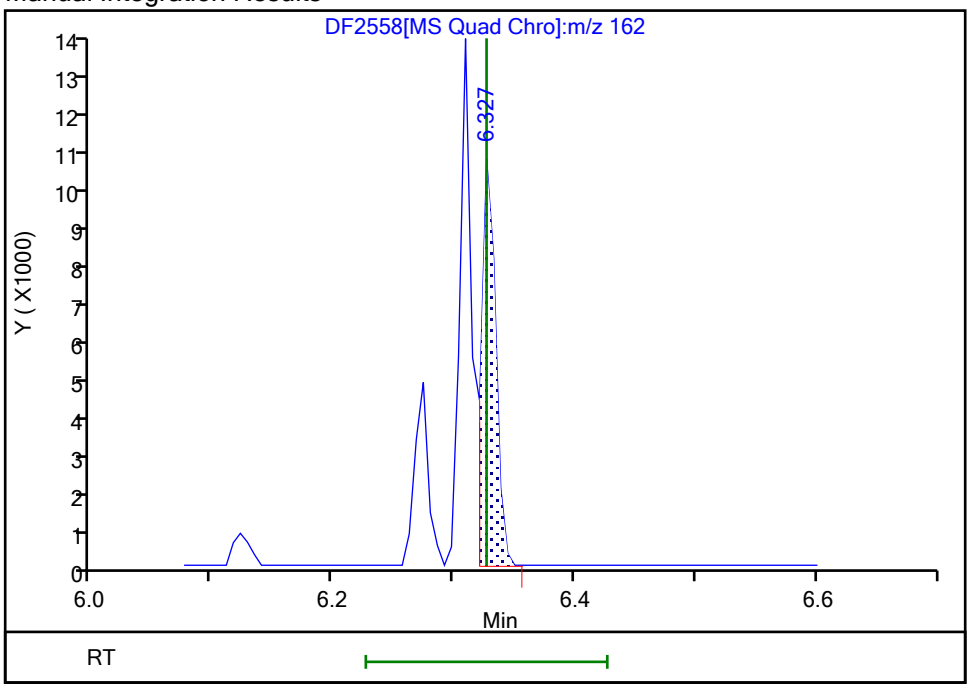
Not Detected
Expected RT: 6.33

Processing Integration Results



Manual Integration Results

RT: 6.33
Area: 7825
Amount: 0.117280
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:30:47 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

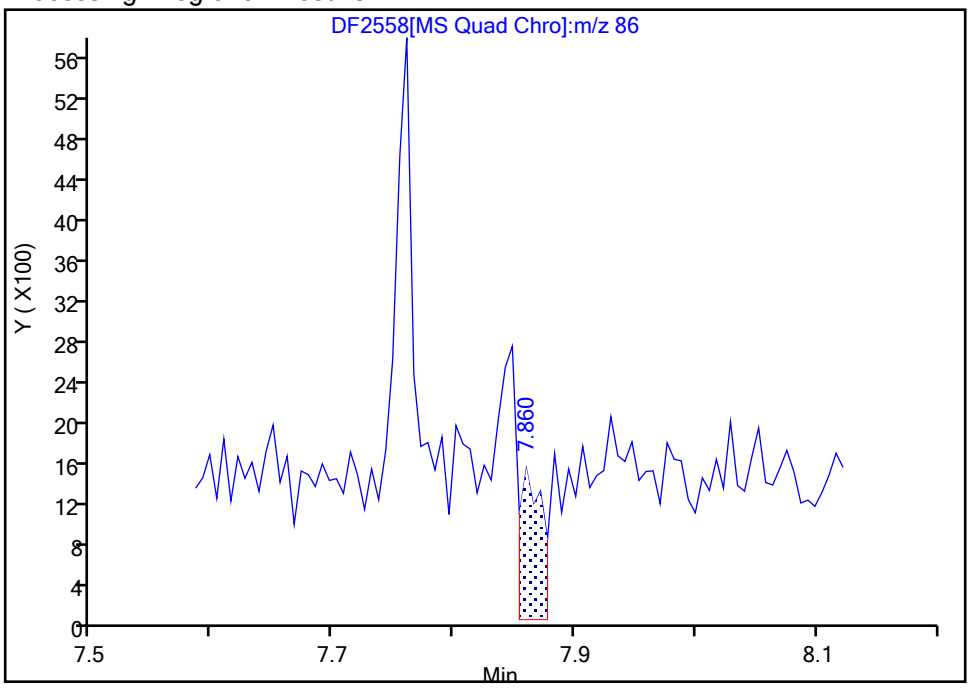
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Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

117 trans-Diallate, CAS: 17708-58-6

Signal: 1

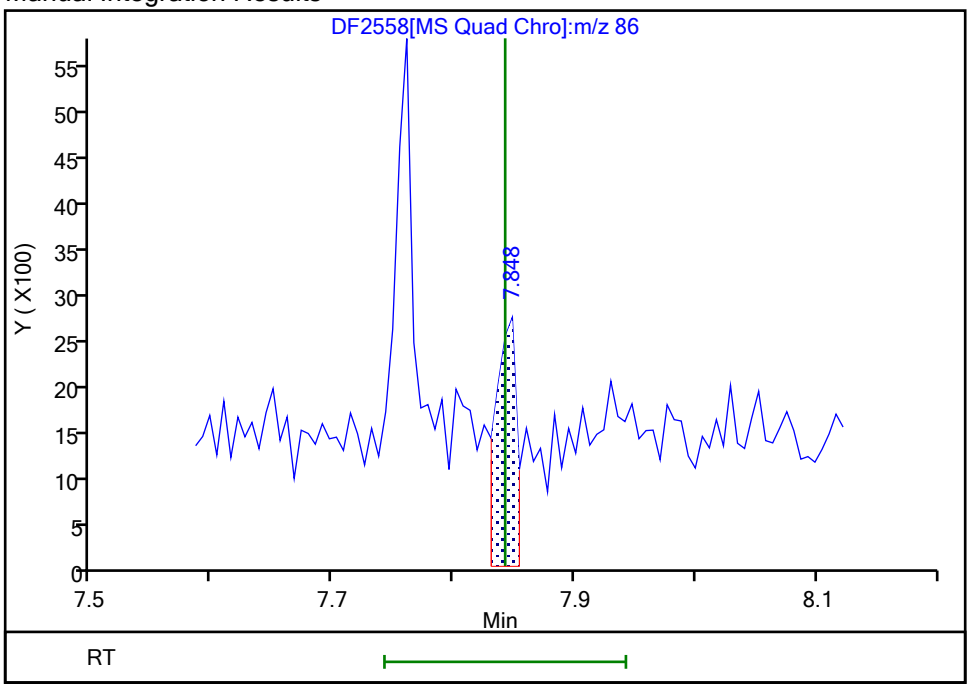
Processing Integration Results

RT: 7.86
Area: 1695
Amount: 0.039011
Amount Units: ug/ml



Manual Integration Results

RT: 7.85
Area: 2950
Amount: 0.074117
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:31:16 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

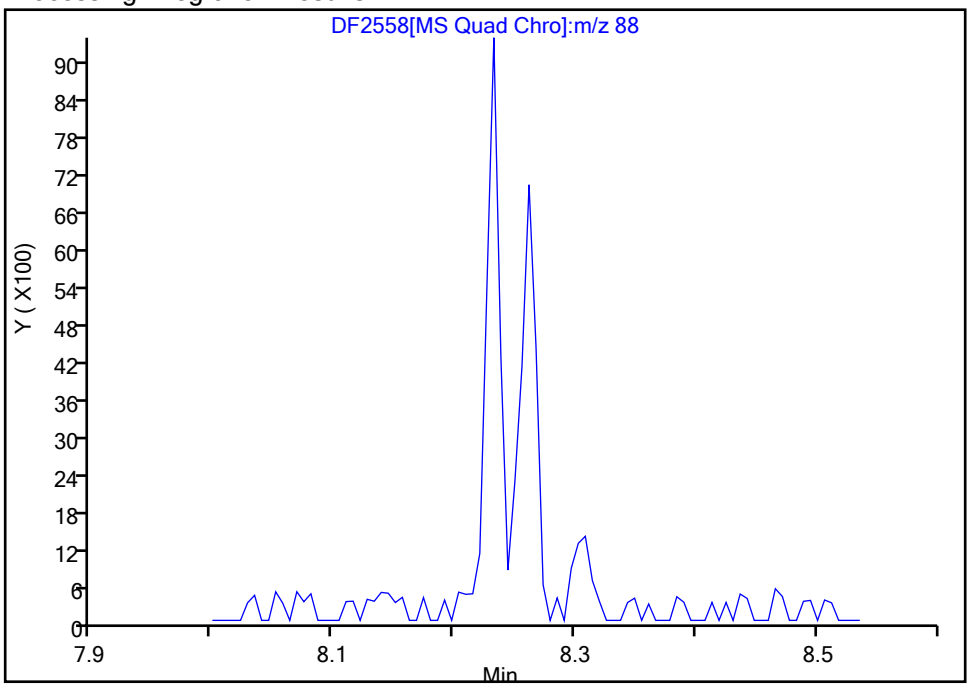
Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2558.D				
Injection Date:	26-Jun-2025 02:03:23	Instrument ID:	HP19760		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

127 Disulfoton, CAS: 298-04-4

Signal: 1

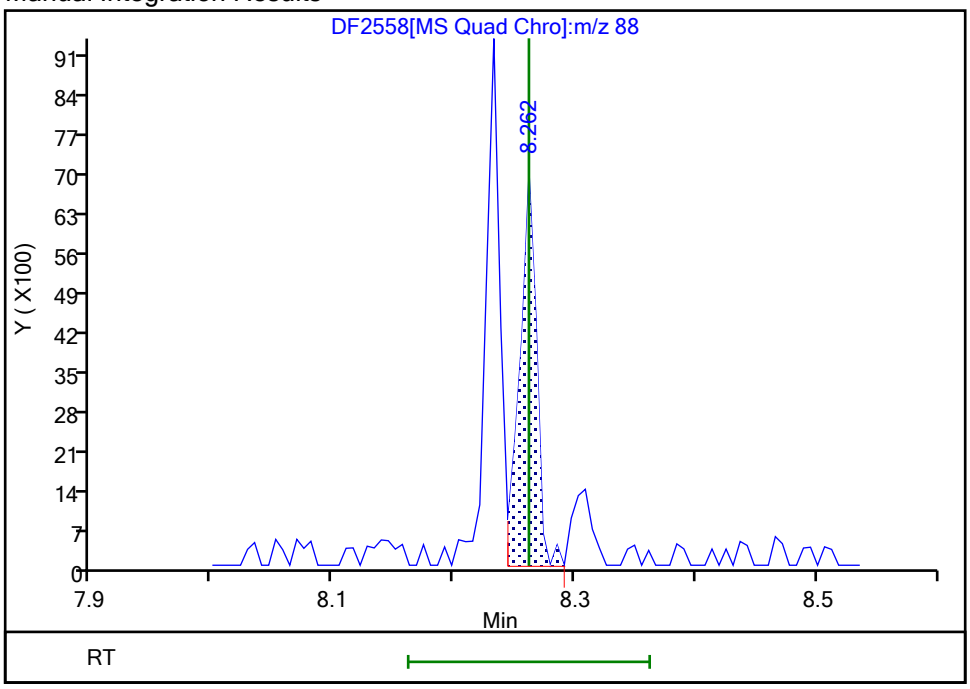
Not Detected
Expected RT: 8.26

Processing Integration Results



Manual Integration Results

RT: 8.26
Area: 6625
Amount: 0.123880
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:31:25 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

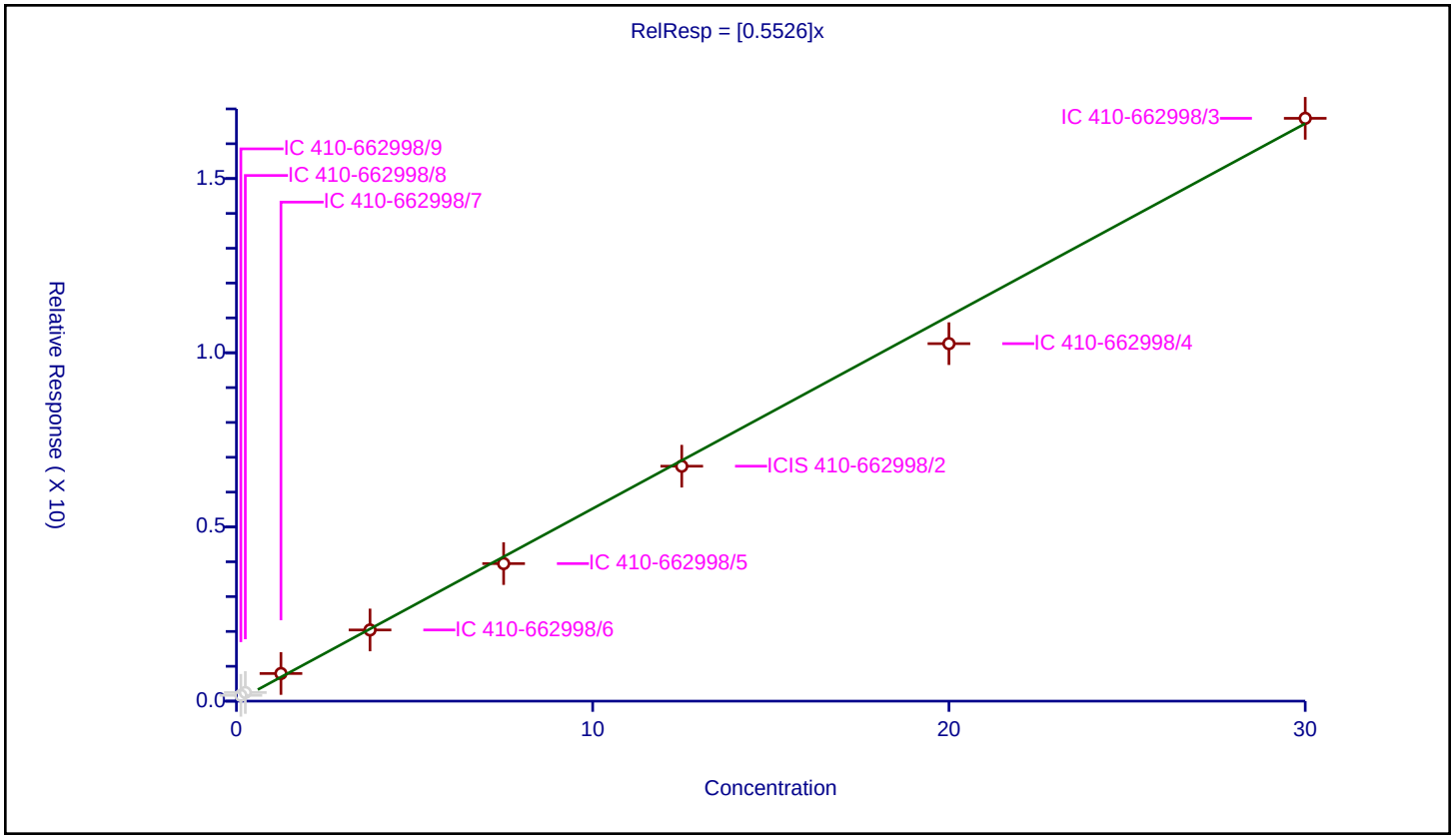
Curve Coefficients

Intercept:	0
Slope:	0.5526

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.166229	5.0	164322.0	1.329828	N
2	IC 410-662998/8	0.25	0.247997	5.0	164155.0	0.991989	N
3	IC 410-662998/7	1.25	0.792926	5.0	159542.0	0.634341	Y
4	IC 410-662998/6	3.75	2.043002	5.0	167807.0	0.5448	Y
5	IC 410-662998/5	7.5	3.948403	5.0	164274.0	0.526454	Y
6	ICIS 410-662998/2	12.5	6.74383	5.0	182383.0	0.539506	Y
7	IC 410-662998/4	20.0	10.261341	5.0	169357.0	0.513067	Y
8	IC 410-662998/3	30.0	16.729365	5.0	162337.0	0.557646	Y



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Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

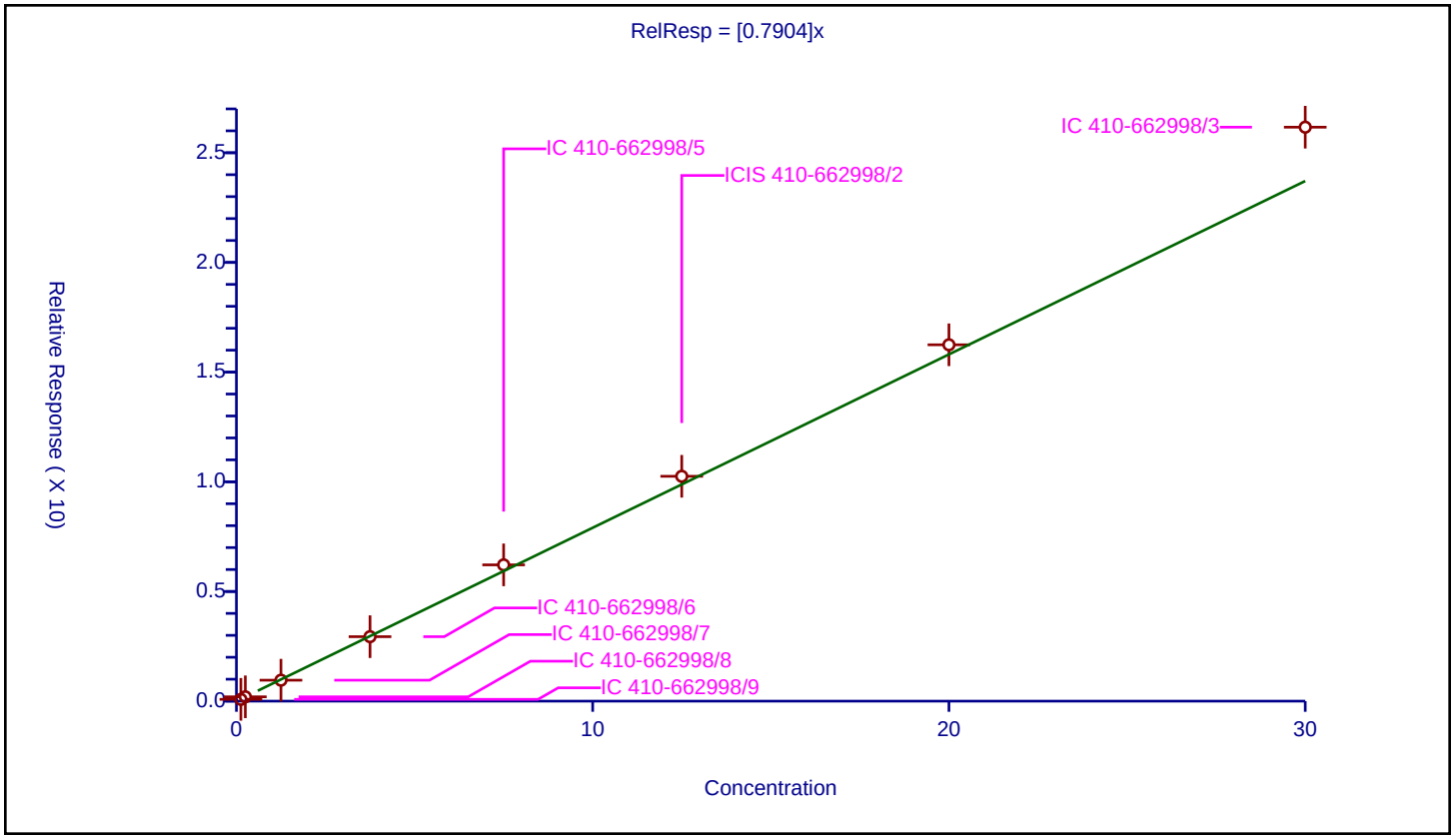
Curve Coefficients

Intercept:	0
Slope:	0.7904

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.081851	5.0	164322.0	0.654812	Y
2	IC 410-662998/8	0.25	0.196918	5.0	164155.0	0.78767	Y
3	IC 410-662998/7	1.25	0.95489	5.0	159542.0	0.763912	Y
4	IC 410-662998/6	3.75	2.939031	5.0	167807.0	0.783742	Y
5	IC 410-662998/5	7.5	6.212486	5.0	164274.0	0.828332	Y
6	ICIS 410-662998/2	12.5	10.250736	5.0	182383.0	0.820059	Y
7	IC 410-662998/4	20.0	16.245741	5.0	169357.0	0.812287	Y
8	IC 410-662998/3	30.0	26.16523	5.0	162337.0	0.872174	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

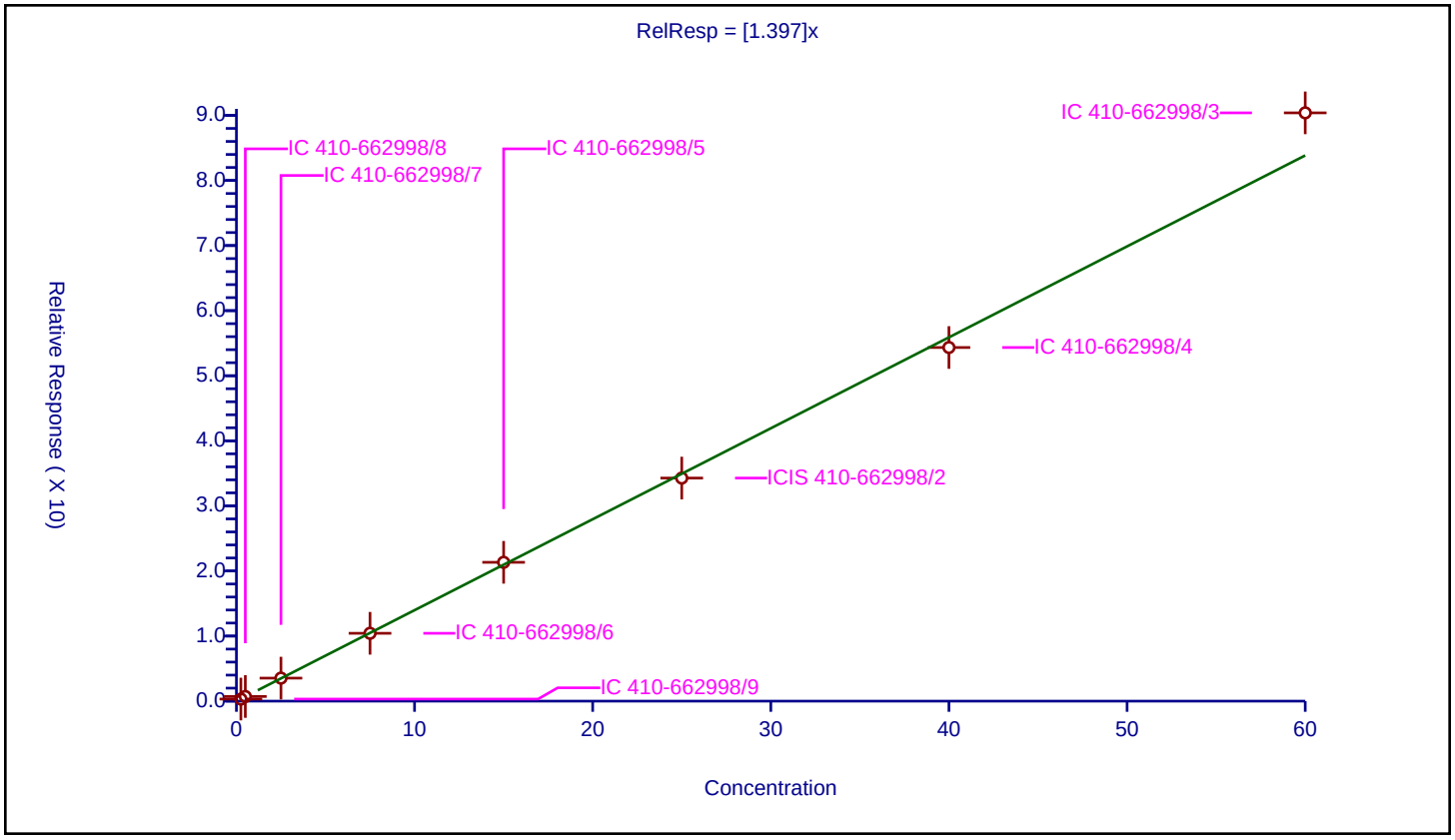
Curve Coefficients

Intercept:	0
Slope:	1.397

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.322385	5.0	164322.0	1.289541	Y
2	IC 410-662998/8	0.5	0.713167	5.0	164155.0	1.426335	Y
3	IC 410-662998/7	2.5	3.538755	5.0	159542.0	1.415502	Y
4	IC 410-662998/6	7.5	10.423492	5.0	167807.0	1.389799	Y
5	IC 410-662998/5	15.0	21.332347	5.0	164274.0	1.422156	Y
6	ICIS 410-662998/2	25.0	34.277537	5.0	182383.0	1.371101	Y
7	IC 410-662998/4	40.0	54.336963	5.0	169357.0	1.358424	Y
8	IC 410-662998/3	60.0	90.390607	5.0	162337.0	1.50651	Y



Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

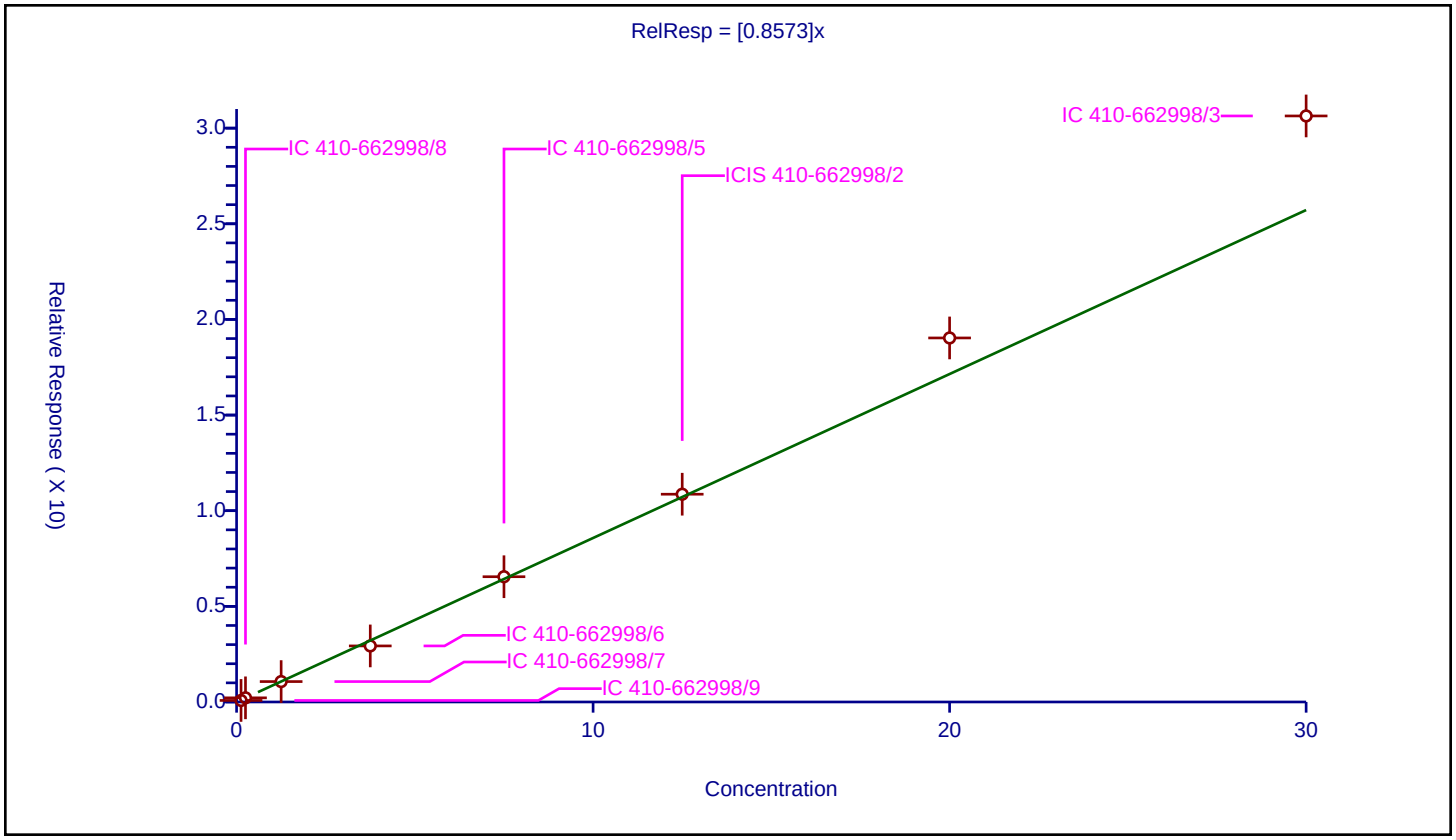
Curve Coefficients

Intercept:	0
Slope:	0.8573

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.079874	5.0	164322.0	0.638989	Y
2	IC 410-662998/8	0.25	0.217142	5.0	164155.0	0.868569	Y
3	IC 410-662998/7	1.25	1.067525	5.0	159542.0	0.85402	Y
4	IC 410-662998/6	3.75	2.931314	5.0	167807.0	0.781684	Y
5	IC 410-662998/5	7.5	6.548145	5.0	164274.0	0.873086	Y
6	ICIS 410-662998/2	12.5	10.862142	5.0	182383.0	0.868971	Y
7	IC 410-662998/4	20.0	19.031011	5.0	169357.0	0.951551	Y
8	IC 410-662998/3	30.0	30.637224	5.0	162337.0	1.021241	Y



Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

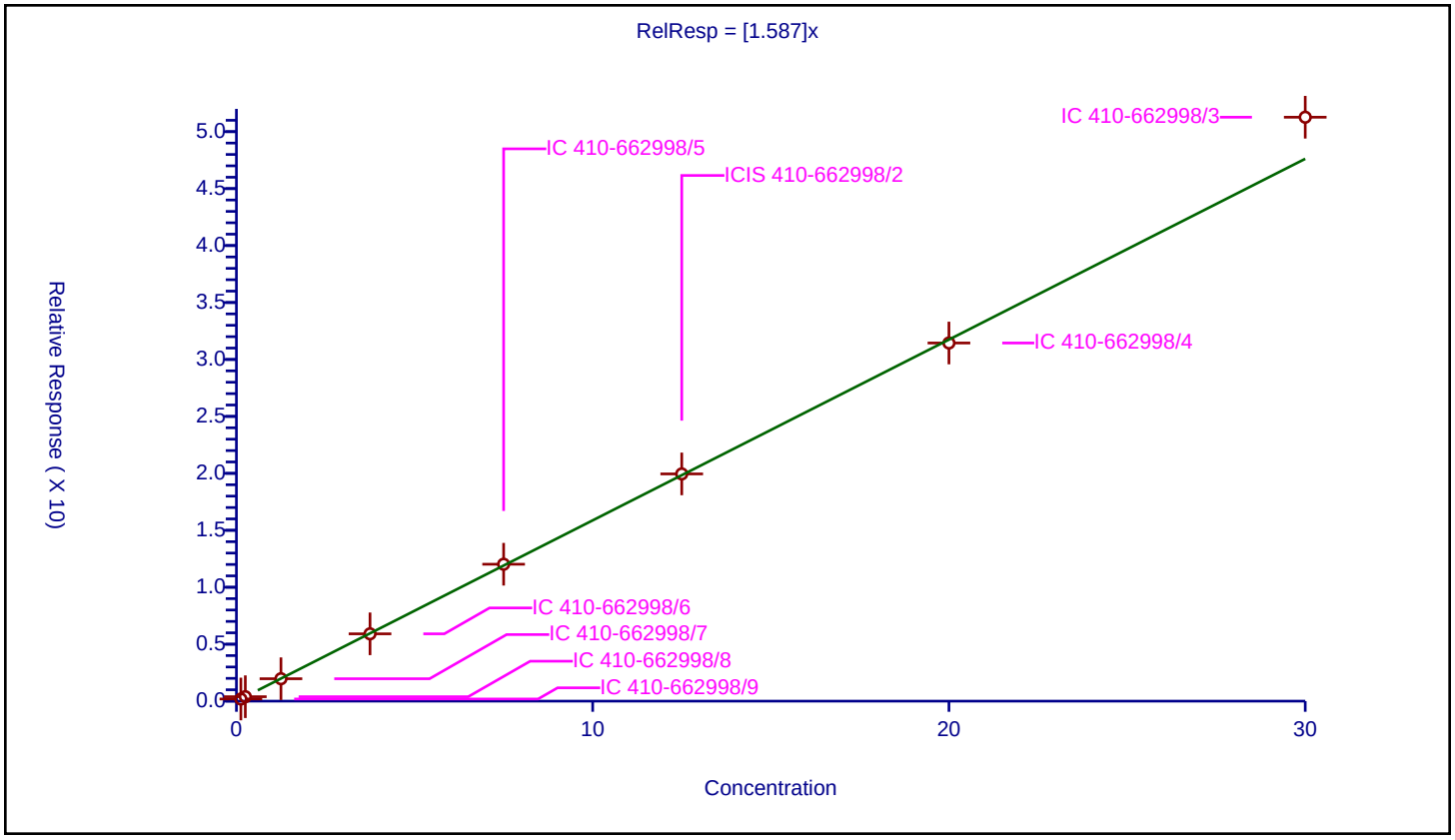
Curve Coefficients

Intercept:	0
Slope:	1.587

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.188532	5.0	164322.0	1.508258	Y
2	IC 410-662998/8	0.25	0.389875	5.0	164155.0	1.559502	Y
3	IC 410-662998/7	1.25	1.967068	5.0	159542.0	1.573655	Y
4	IC 410-662998/6	3.75	5.909855	5.0	167807.0	1.575961	Y
5	IC 410-662998/5	7.5	12.020922	5.0	164274.0	1.60279	Y
6	ICIS 410-662998/2	12.5	19.951668	5.0	182383.0	1.596133	Y
7	IC 410-662998/4	20.0	31.445408	5.0	169357.0	1.57227	Y
8	IC 410-662998/3	30.0	51.267887	5.0	162337.0	1.70893	Y



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Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

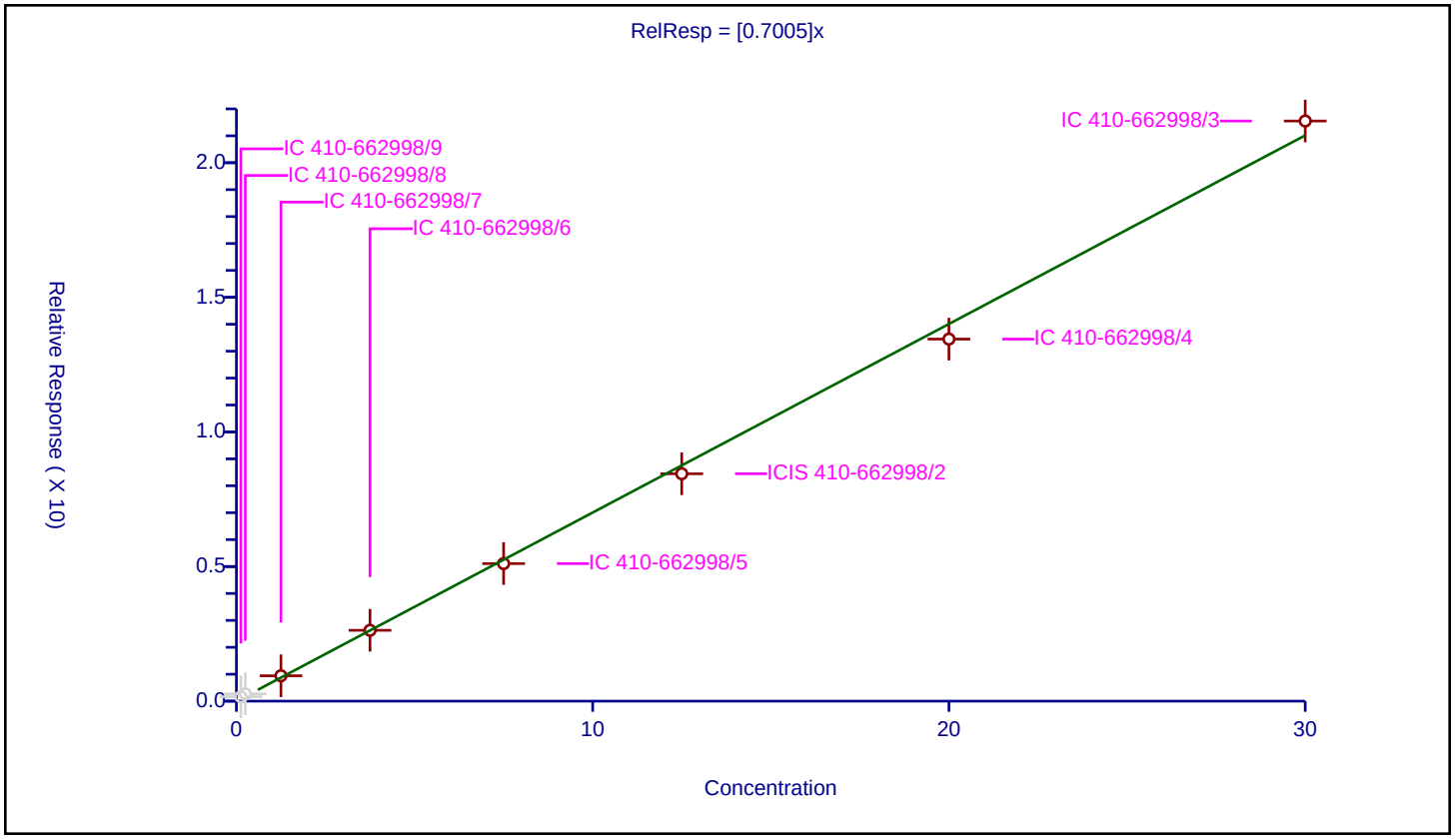
Curve Coefficients

Intercept:	0
Slope:	0.7005

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.162547	5.0	164322.0	1.300374	N
2	IC 410-662998/8	0.25	0.268527	5.0	164155.0	1.074107	N
3	IC 410-662998/7	1.25	0.942197	5.0	159542.0	0.753758	Y
4	IC 410-662998/6	3.75	2.631237	5.0	167807.0	0.701663	Y
5	IC 410-662998/5	7.5	5.109086	5.0	164274.0	0.681211	Y
6	ICIS 410-662998/2	12.5	8.447032	5.0	182383.0	0.675763	Y
7	IC 410-662998/4	20.0	13.449016	5.0	169357.0	0.672451	Y
8	IC 410-662998/3	30.0	21.55017	5.0	162337.0	0.718339	Y



Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

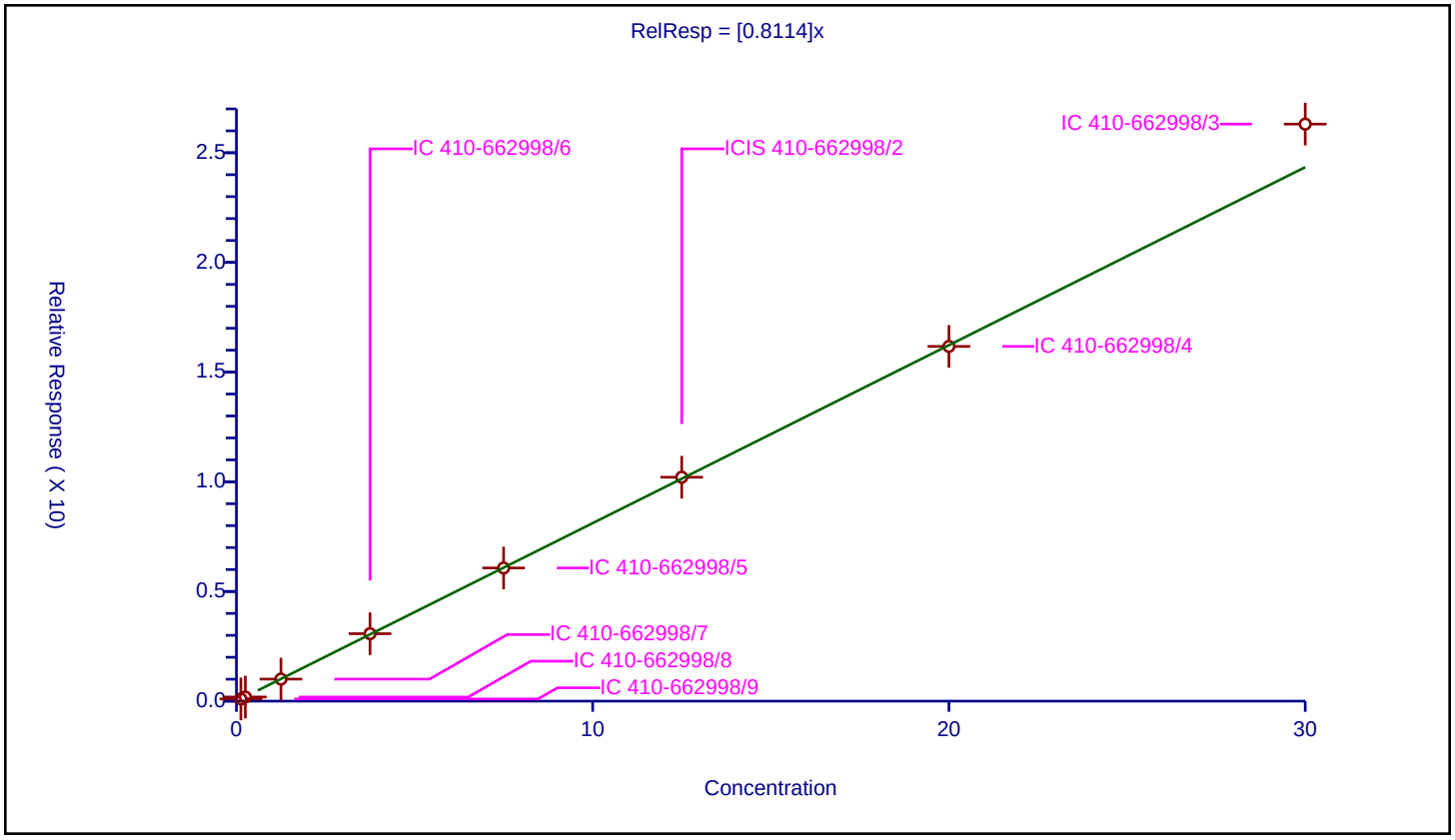
Curve Coefficients

Intercept:	0
Slope:	0.8114

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.100656	5.0	164322.0	0.805248	Y
2	IC 410-662998/8	0.25	0.187506	5.0	164155.0	0.750023	Y
3	IC 410-662998/7	1.25	1.005347	5.0	159542.0	0.804277	Y
4	IC 410-662998/6	3.75	3.07508	5.0	167807.0	0.820021	Y
5	IC 410-662998/5	7.5	6.070772	5.0	164274.0	0.809436	Y
6	ICIS 410-662998/2	12.5	10.208298	5.0	182383.0	0.816664	Y
7	IC 410-662998/4	20.0	16.171992	5.0	169357.0	0.8086	Y
8	IC 410-662998/3	30.0	26.306295	5.0	162337.0	0.876876	Y



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Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

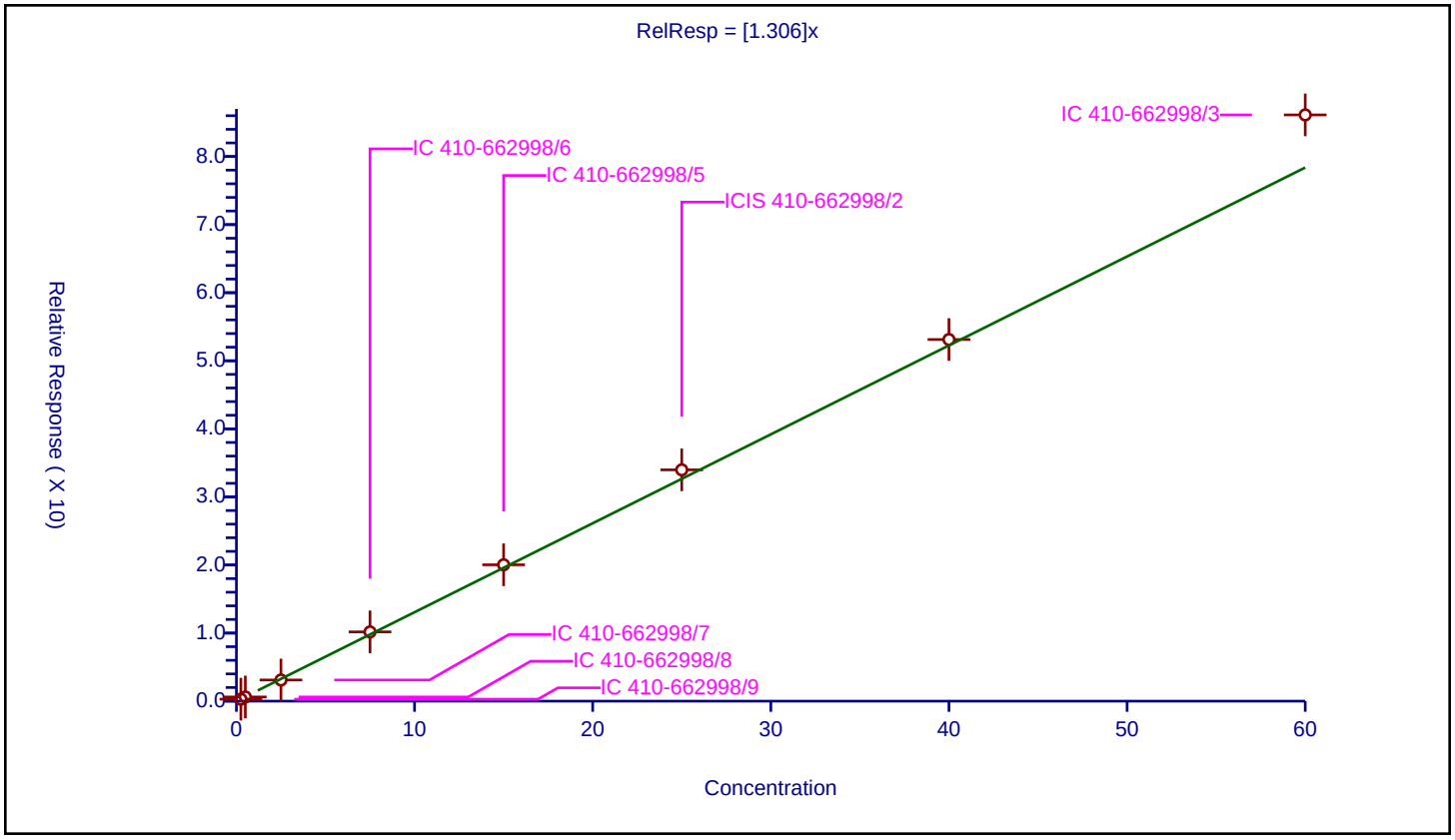
Curve Coefficients

Intercept:	0
Slope:	1.306

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.291866	5.0	164322.0	1.167464	Y
2	IC 410-662998/8	0.5	0.61314	5.0	164155.0	1.22628	Y
3	IC 410-662998/7	2.5	3.107207	5.0	159542.0	1.242883	Y
4	IC 410-662998/6	7.5	10.173175	5.0	167807.0	1.356423	Y
5	IC 410-662998/5	15.0	20.028702	5.0	164274.0	1.335247	Y
6	ICIS 410-662998/2	25.0	33.977015	5.0	182383.0	1.359081	Y
7	IC 410-662998/4	40.0	53.121631	5.0	169357.0	1.328041	Y
8	IC 410-662998/3	60.0	86.114071	5.0	162337.0	1.435235	Y



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Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

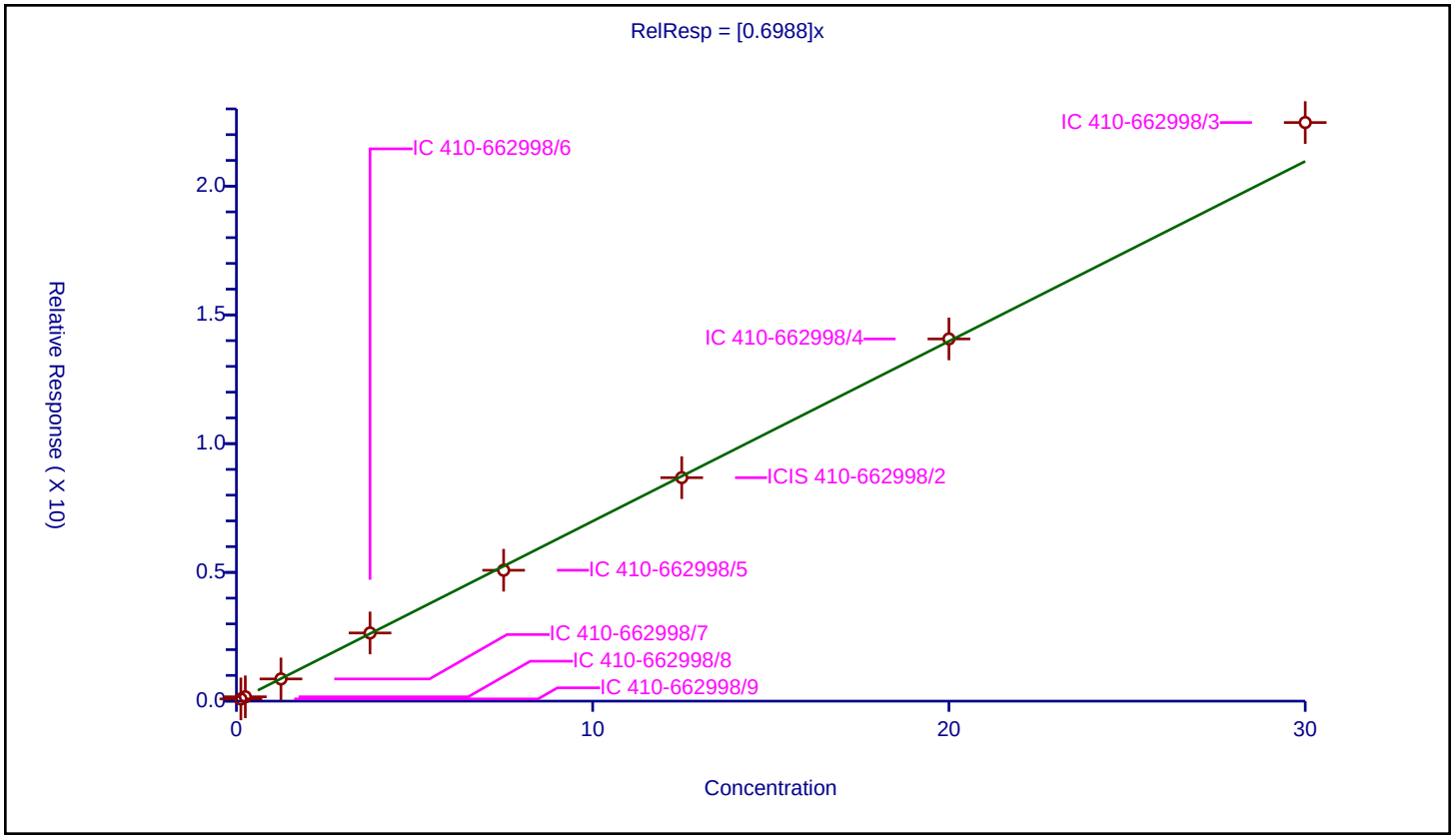
Curve Coefficients

Intercept:	0
Slope:	0.6988

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.086507	5.0	164322.0	0.692056	Y
2	IC 410-662998/8	0.25	0.169626	5.0	164155.0	0.678505	Y
3	IC 410-662998/7	1.25	0.861999	5.0	159542.0	0.689599	Y
4	IC 410-662998/6	3.75	2.647238	5.0	167807.0	0.70593	Y
5	IC 410-662998/5	7.5	5.083519	5.0	164274.0	0.677803	Y
6	ICIS 410-662998/2	12.5	8.678276	5.0	182383.0	0.694262	Y
7	IC 410-662998/4	20.0	14.066912	5.0	169357.0	0.703346	Y
8	IC 410-662998/3	30.0	22.470232	5.0	162337.0	0.749008	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

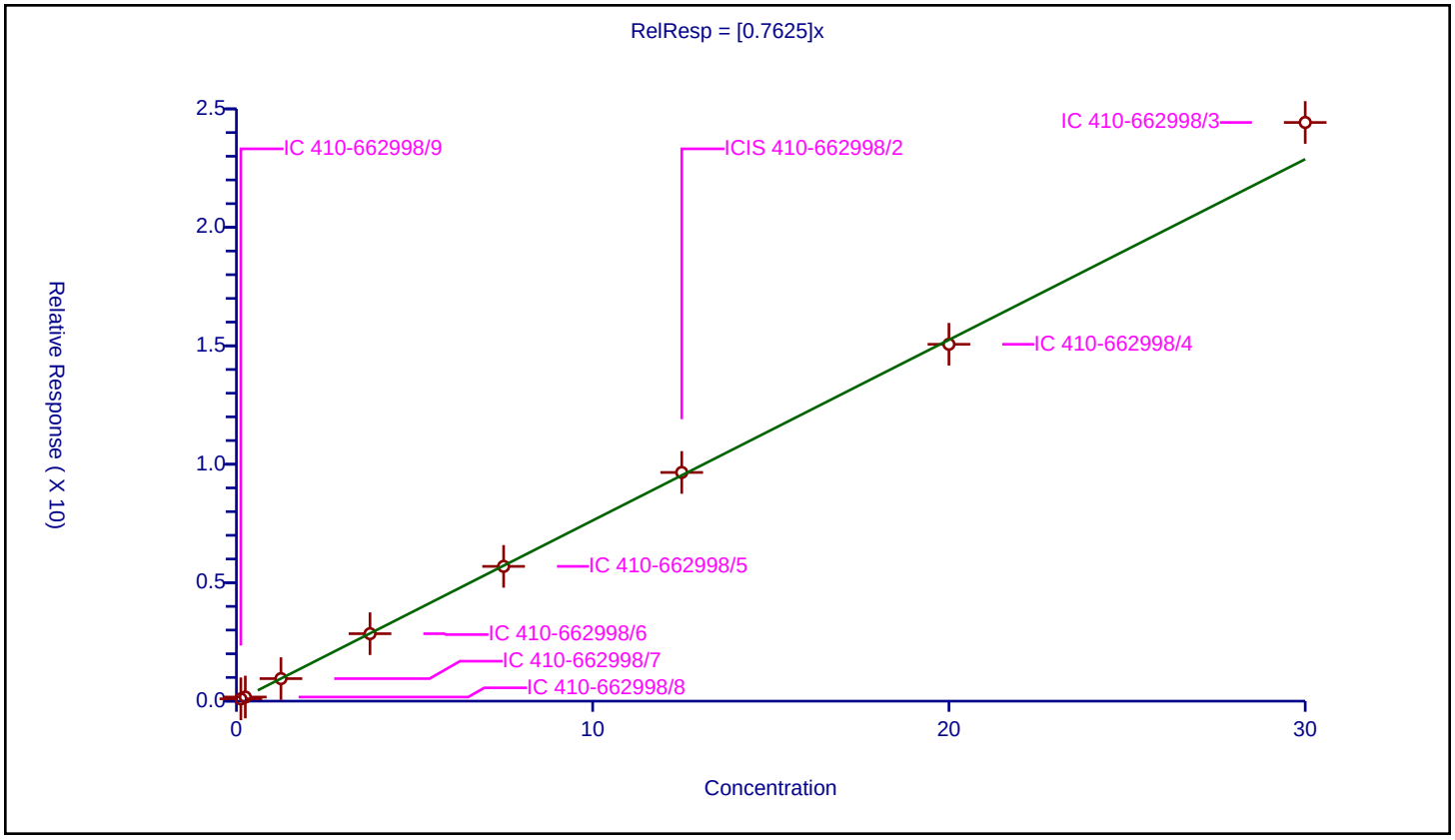
Curve Coefficients

Intercept:	0
Slope:	0.7625

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.098313	5.0	164322.0	0.786505	Y
2	IC 410-662998/8	0.25	0.173921	5.0	164155.0	0.695684	Y
3	IC 410-662998/7	1.25	0.950753	5.0	159542.0	0.760602	Y
4	IC 410-662998/6	3.75	2.847229	5.0	167807.0	0.759261	Y
5	IC 410-662998/5	7.5	5.688514	5.0	164274.0	0.758469	Y
6	ICIS 410-662998/2	12.5	9.653668	5.0	182383.0	0.772293	Y
7	IC 410-662998/4	20.0	15.063977	5.0	169357.0	0.753199	Y
8	IC 410-662998/3	30.0	24.426717	5.0	162337.0	0.814224	Y



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Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

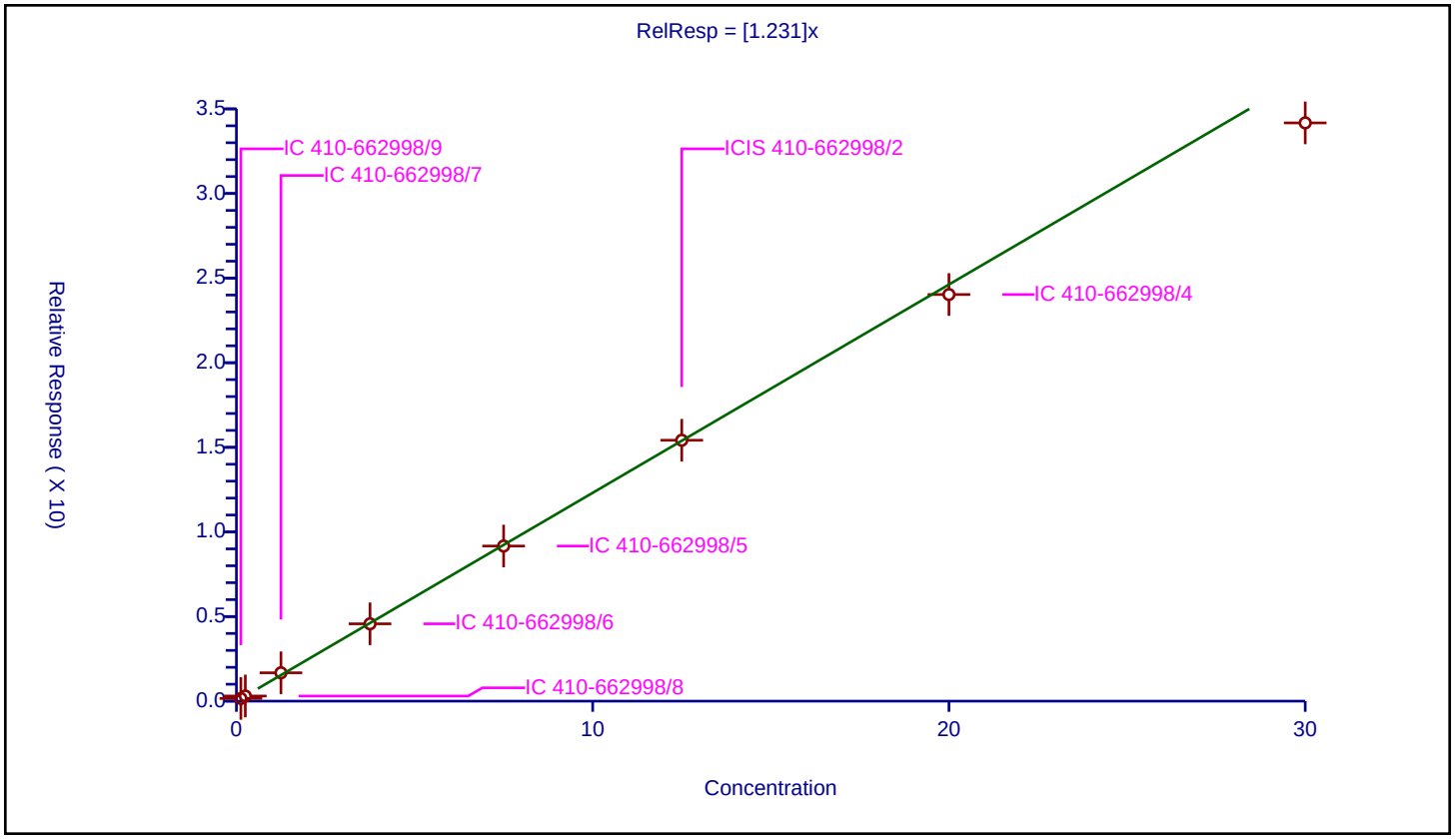
Curve Coefficients

Intercept:	0
Slope:	1.231

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.159869	5.0	164322.0	1.278952	Y
2	IC 410-662998/8	0.25	0.303615	5.0	164155.0	1.214462	Y
3	IC 410-662998/7	1.25	1.675202	5.0	159542.0	1.340161	Y
4	IC 410-662998/6	3.75	4.569744	5.0	167807.0	1.218598	Y
5	IC 410-662998/5	7.5	9.165449	5.0	164274.0	1.22206	Y
6	ICIS 410-662998/2	12.5	15.417967	5.0	182383.0	1.233437	Y
7	IC 410-662998/4	20.0	24.029476	5.0	169357.0	1.201474	Y
8	IC 410-662998/3	30.0	34.172555	5.0	162337.0	1.139085	Y



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Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

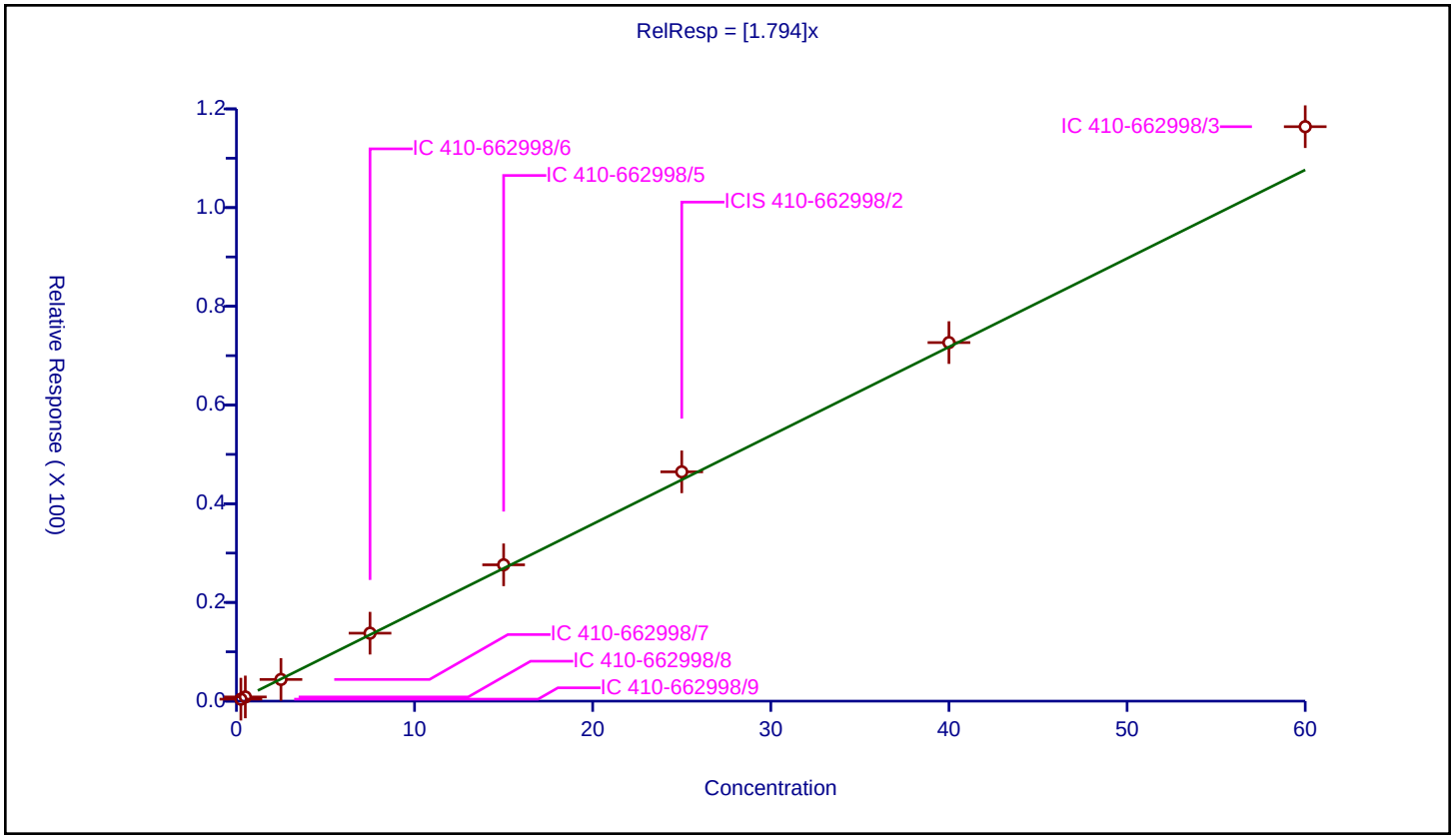
Curve Coefficients

Intercept:	0
Slope:	1.794

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.399946	5.0	164322.0	1.599786	Y
2	IC 410-662998/8	0.5	0.85139	5.0	164155.0	1.702781	Y
3	IC 410-662998/7	2.5	4.392981	5.0	159542.0	1.757192	Y
4	IC 410-662998/6	7.5	13.771237	5.0	167807.0	1.836165	Y
5	IC 410-662998/5	15.0	27.620196	5.0	164274.0	1.841346	Y
6	ICIS 410-662998/2	25.0	46.460909	5.0	182383.0	1.858436	Y
7	IC 410-662998/4	40.0	72.651559	5.0	169357.0	1.816289	Y
8	IC 410-662998/3	60.0	116.396693	5.0	162337.0	1.939945	Y



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Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

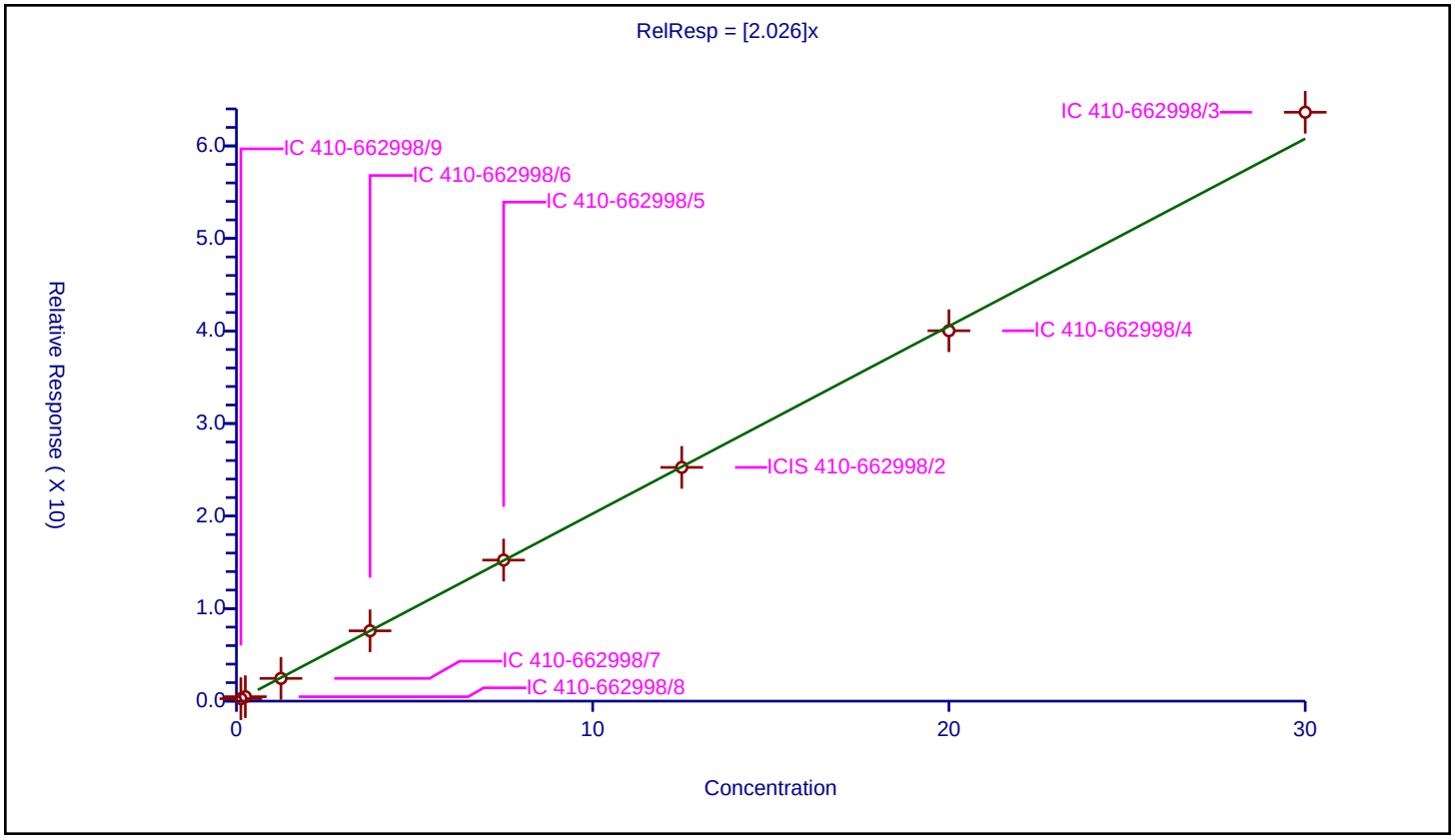
Curve Coefficients

Intercept:	0
Slope:	2.026

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.264815	5.0	164322.0	2.118523	Y
2	IC 410-662998/8	0.25	0.480461	5.0	164155.0	1.921842	Y
3	IC 410-662998/7	1.25	2.457253	5.0	159542.0	1.965802	Y
4	IC 410-662998/6	3.75	7.5987	5.0	167807.0	2.02632	Y
5	IC 410-662998/5	7.5	15.241487	5.0	164274.0	2.032198	Y
6	ICIS 410-662998/2	12.5	25.259673	5.0	182383.0	2.020774	Y
7	IC 410-662998/4	20.0	40.026423	5.0	169357.0	2.001321	Y
8	IC 410-662998/3	30.0	63.636632	5.0	162337.0	2.121221	Y



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Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

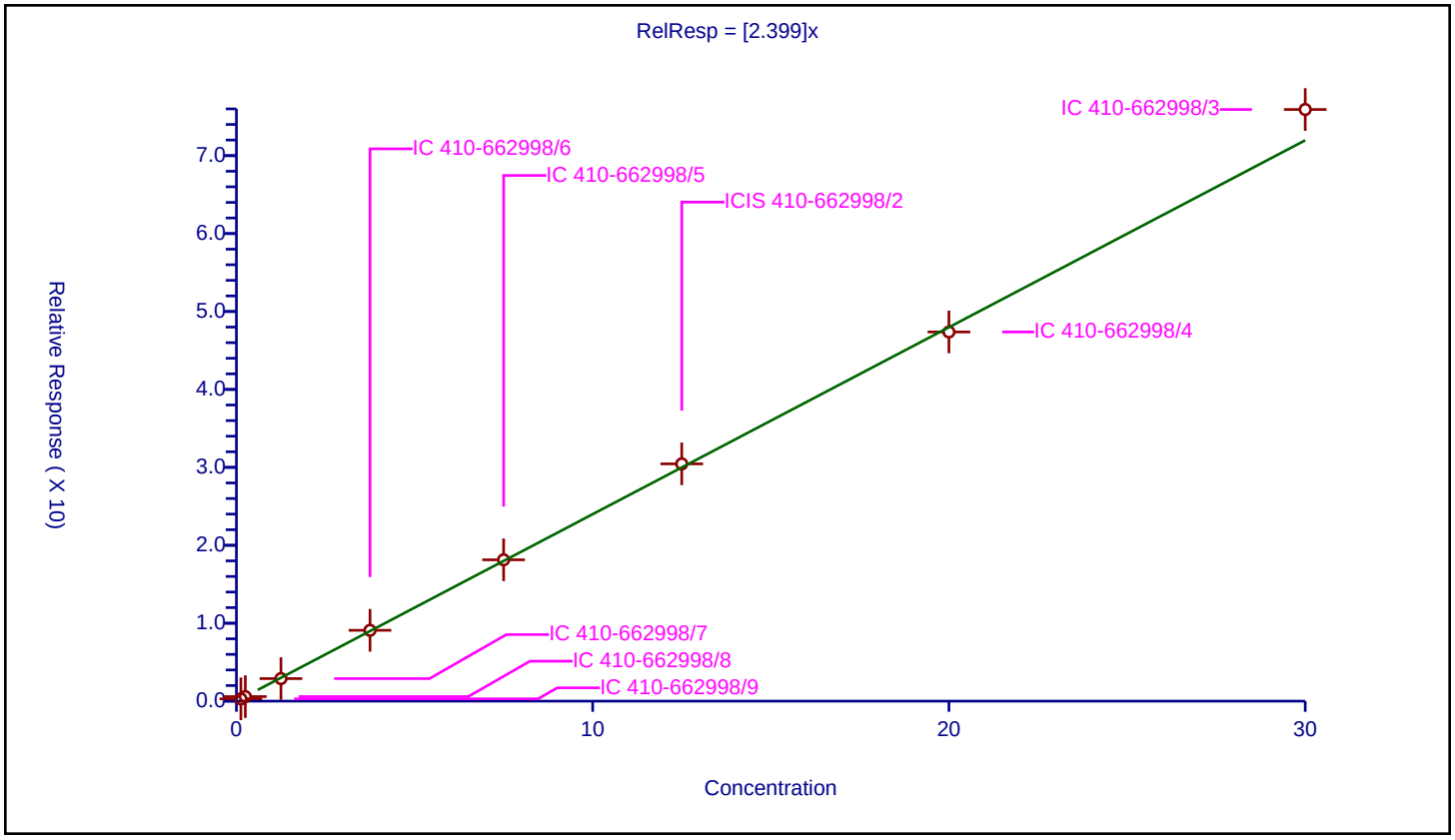
Curve Coefficients

Intercept:	0
Slope:	2.399

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.296095	5.0	164322.0	2.368764	Y
2	IC 410-662998/8	0.25	0.582651	5.0	164155.0	2.330602	Y
3	IC 410-662998/7	1.25	2.893063	5.0	159542.0	2.31445	Y
4	IC 410-662998/6	3.75	9.090145	5.0	167807.0	2.424039	Y
5	IC 410-662998/5	7.5	18.134915	5.0	164274.0	2.417989	Y
6	ICIS 410-662998/2	12.5	30.446176	5.0	182383.0	2.435694	Y
7	IC 410-662998/4	20.0	47.374658	5.0	169357.0	2.368733	Y
8	IC 410-662998/3	30.0	75.920801	5.0	162337.0	2.530693	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

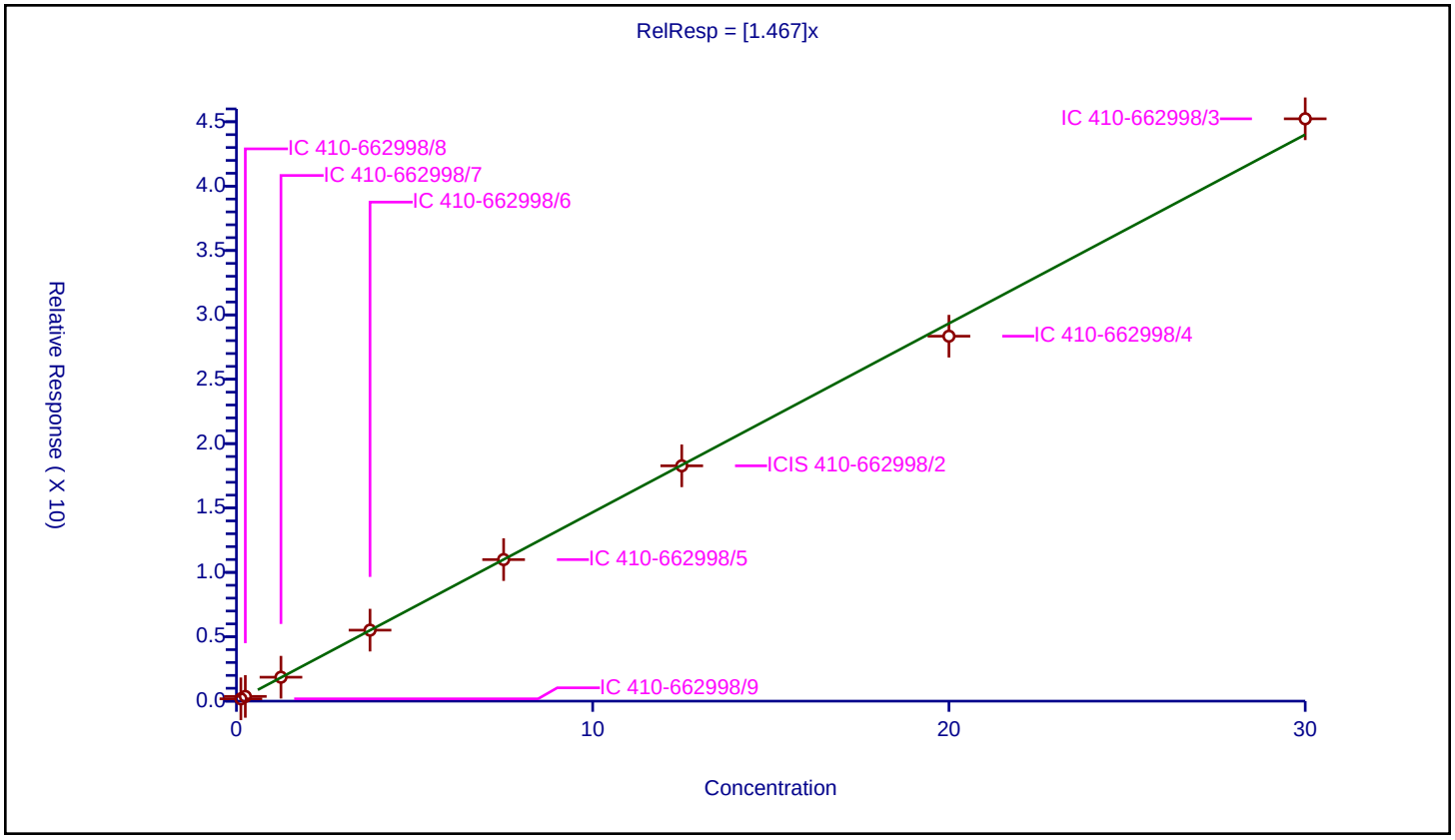
Curve Coefficients

Intercept:	0
Slope:	1.467

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.181503	5.0	164322.0	1.452027	Y
2	IC 410-662998/8	0.25	0.368097	5.0	164155.0	1.472389	Y
3	IC 410-662998/7	1.25	1.858225	5.0	159542.0	1.48658	Y
4	IC 410-662998/6	3.75	5.515026	5.0	167807.0	1.470674	Y
5	IC 410-662998/5	7.5	10.993371	5.0	164274.0	1.465783	Y
6	ICIS 410-662998/2	12.5	18.277663	5.0	182383.0	1.462213	Y
7	IC 410-662998/4	20.0	28.345389	5.0	169357.0	1.417269	Y
8	IC 410-662998/3	30.0	45.229831	5.0	162337.0	1.507661	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

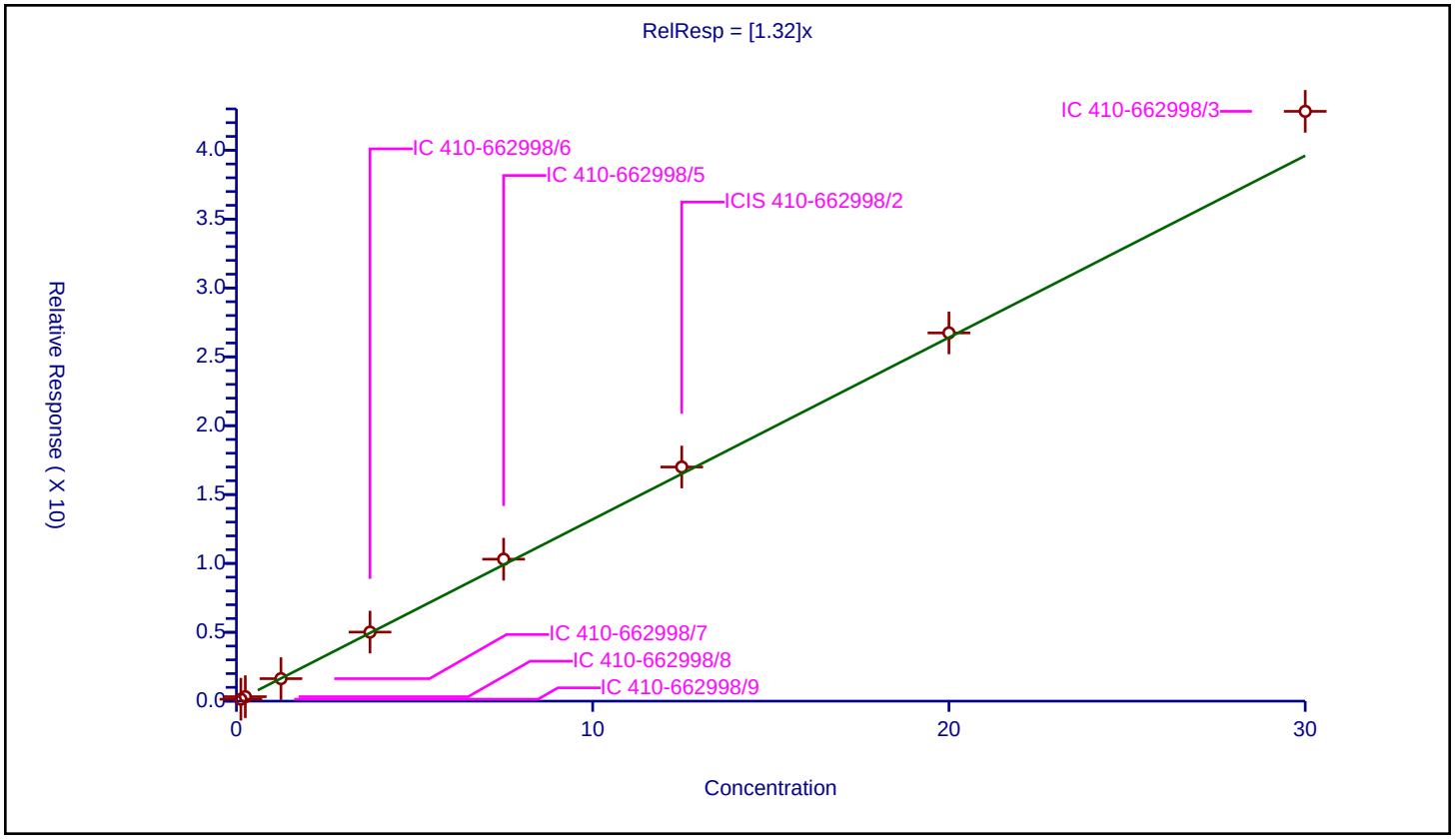
Curve Coefficients

Intercept:	0
Slope:	1.32

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.140639	5.0	164322.0	1.125108	Y
2	IC 410-662998/8	0.25	0.323322	5.0	164155.0	1.29329	Y
3	IC 410-662998/7	1.25	1.633927	5.0	159542.0	1.307142	Y
4	IC 410-662998/6	3.75	5.0132	5.0	167807.0	1.336853	Y
5	IC 410-662998/5	7.5	10.305161	5.0	164274.0	1.374021	Y
6	ICIS 410-662998/2	12.5	16.999199	5.0	182383.0	1.359936	Y
7	IC 410-662998/4	20.0	26.735299	5.0	169357.0	1.336765	Y
8	IC 410-662998/3	30.0	42.822493	5.0	162337.0	1.427416	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

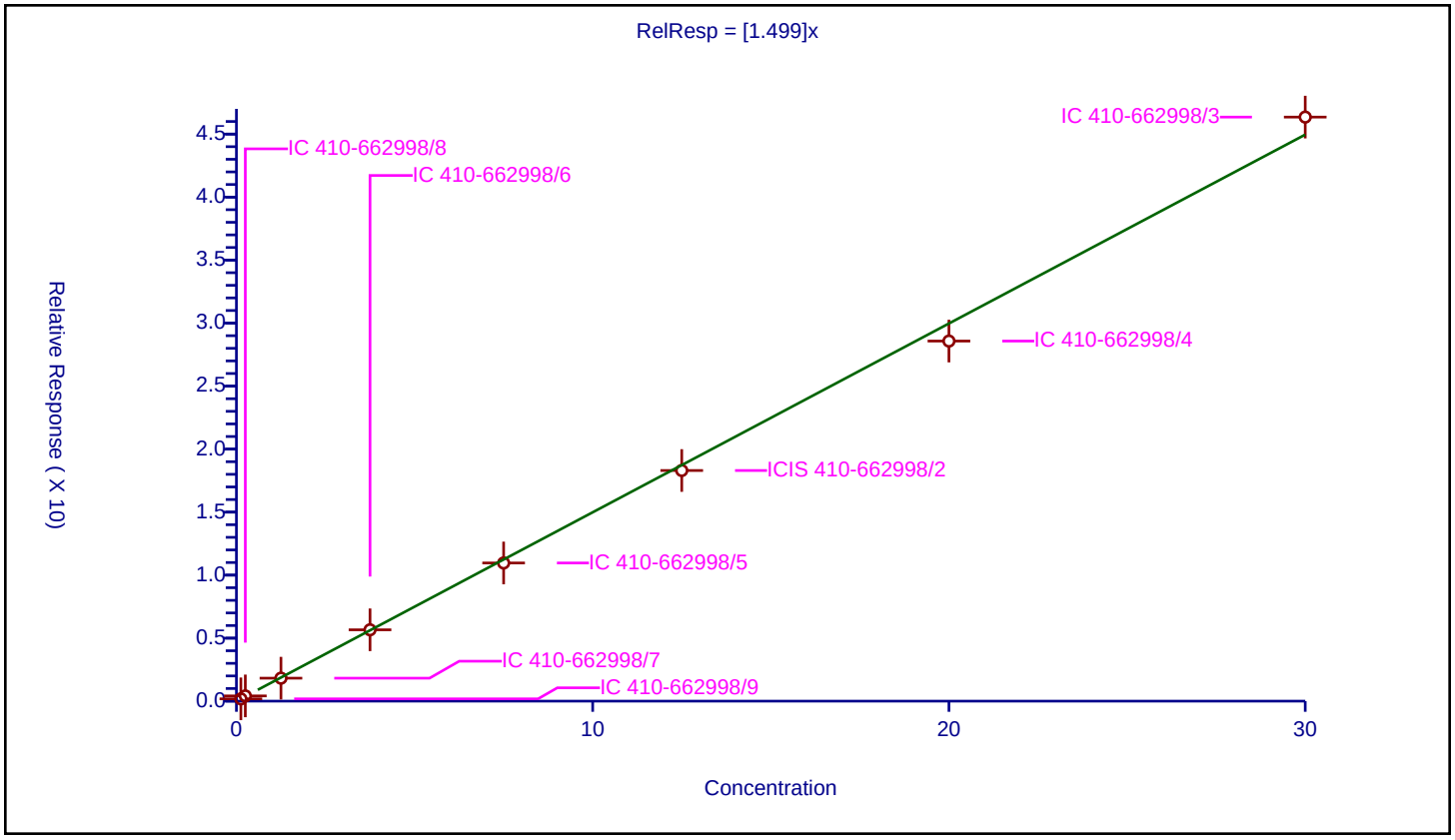
Curve Coefficients

Intercept:	0
Slope:	1.499

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.182629	5.0	164322.0	1.461034	Y
2	IC 410-662998/8	0.25	0.414852	5.0	164155.0	1.659407	Y
3	IC 410-662998/7	1.25	1.82278	5.0	159542.0	1.458224	Y
4	IC 410-662998/6	3.75	5.66061	5.0	167807.0	1.509496	Y
5	IC 410-662998/5	7.5	10.965338	5.0	164274.0	1.462045	Y
6	ICIS 410-662998/2	12.5	18.303433	5.0	182383.0	1.464275	Y
7	IC 410-662998/4	20.0	28.574904	5.0	169357.0	1.428745	Y
8	IC 410-662998/3	30.0	46.349323	5.0	162337.0	1.544977	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

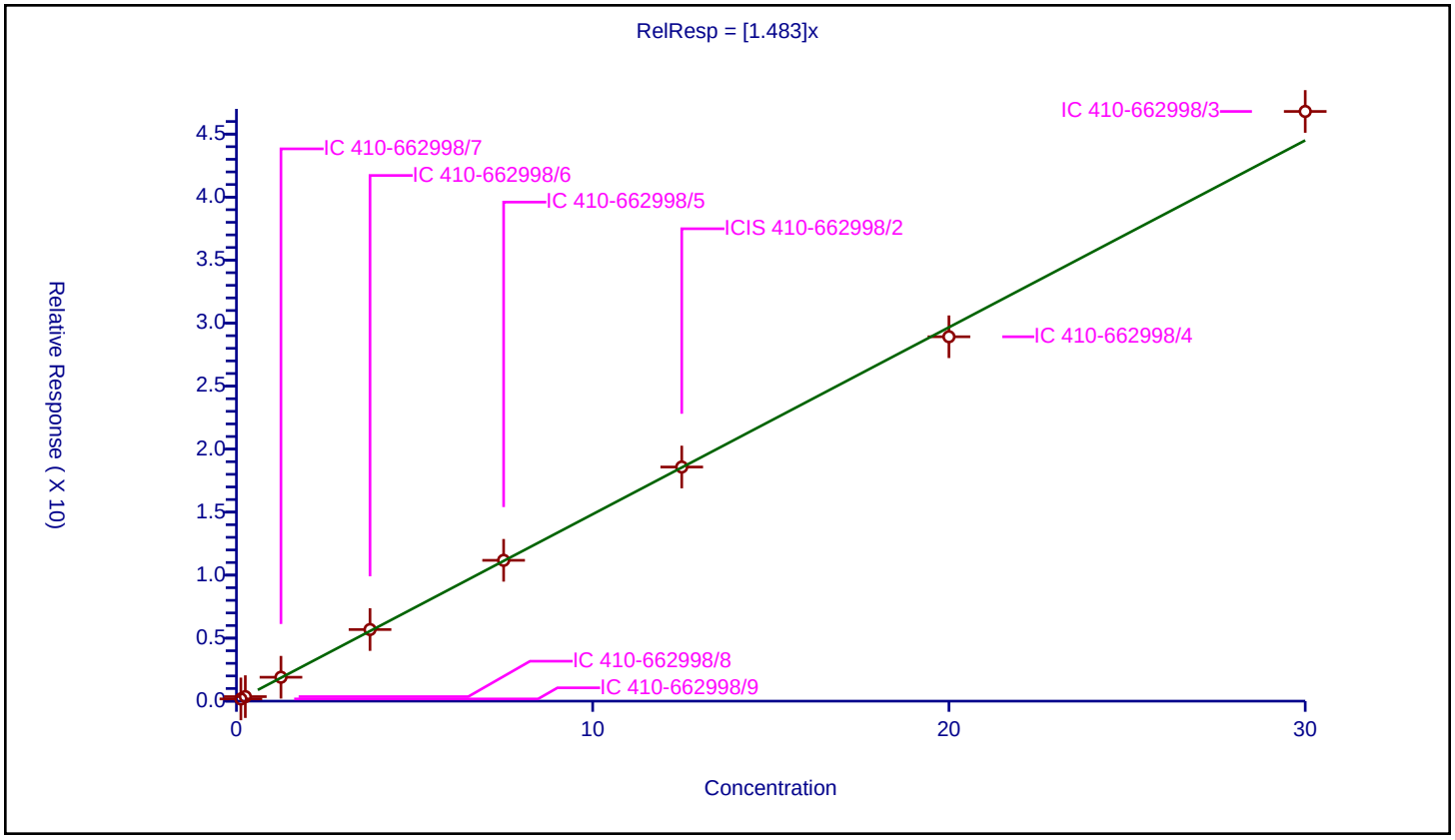
Curve Coefficients

Intercept:	0
Slope:	1.483

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.177091	5.0	164322.0	1.416731	Y
2	IC 410-662998/8	0.25	0.358655	5.0	164155.0	1.43462	Y
3	IC 410-662998/7	1.25	1.897588	5.0	159542.0	1.51807	Y
4	IC 410-662998/6	3.75	5.682659	5.0	167807.0	1.515376	Y
5	IC 410-662998/5	7.5	11.174806	5.0	164274.0	1.489974	Y
6	ICIS 410-662998/2	12.5	18.580597	5.0	182383.0	1.486448	Y
7	IC 410-662998/4	20.0	28.917169	5.0	169357.0	1.445858	Y
8	IC 410-662998/3	30.0	46.797865	5.0	162337.0	1.559929	Y



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Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

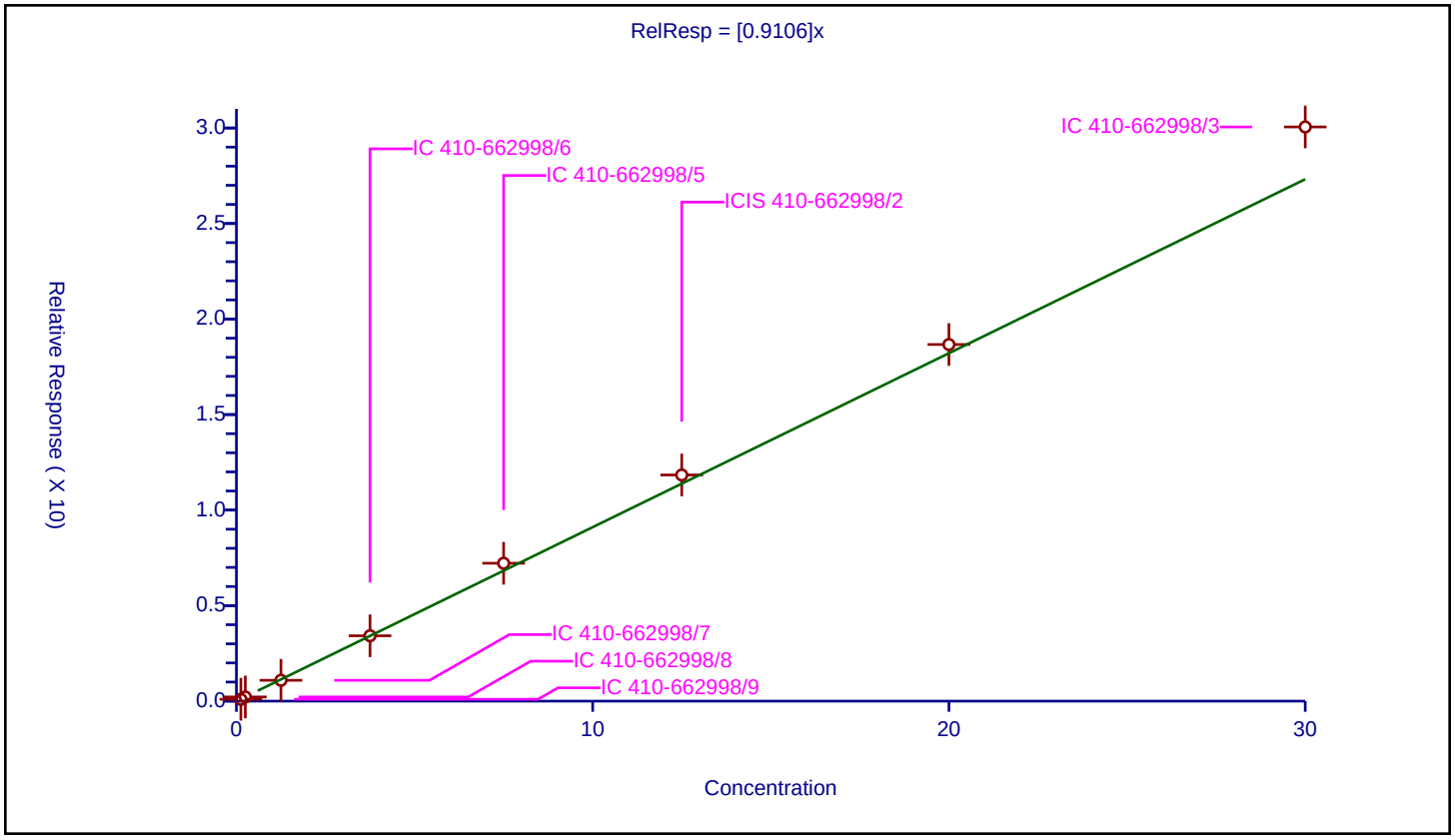
Curve Coefficients

Intercept:	0
Slope:	0.9106

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.097918	5.0	164322.0	0.78334	Y
2	IC 410-662998/8	0.25	0.217843	5.0	164155.0	0.871372	Y
3	IC 410-662998/7	1.25	1.091092	5.0	159542.0	0.872874	Y
4	IC 410-662998/6	3.75	3.421967	5.0	167807.0	0.912525	Y
5	IC 410-662998/5	7.5	7.21791	5.0	164274.0	0.962388	Y
6	ICIS 410-662998/2	12.5	11.838137	5.0	182383.0	0.947051	Y
7	IC 410-662998/4	20.0	18.667932	5.0	169357.0	0.933397	Y
8	IC 410-662998/3	30.0	30.055225	5.0	162337.0	1.001841	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

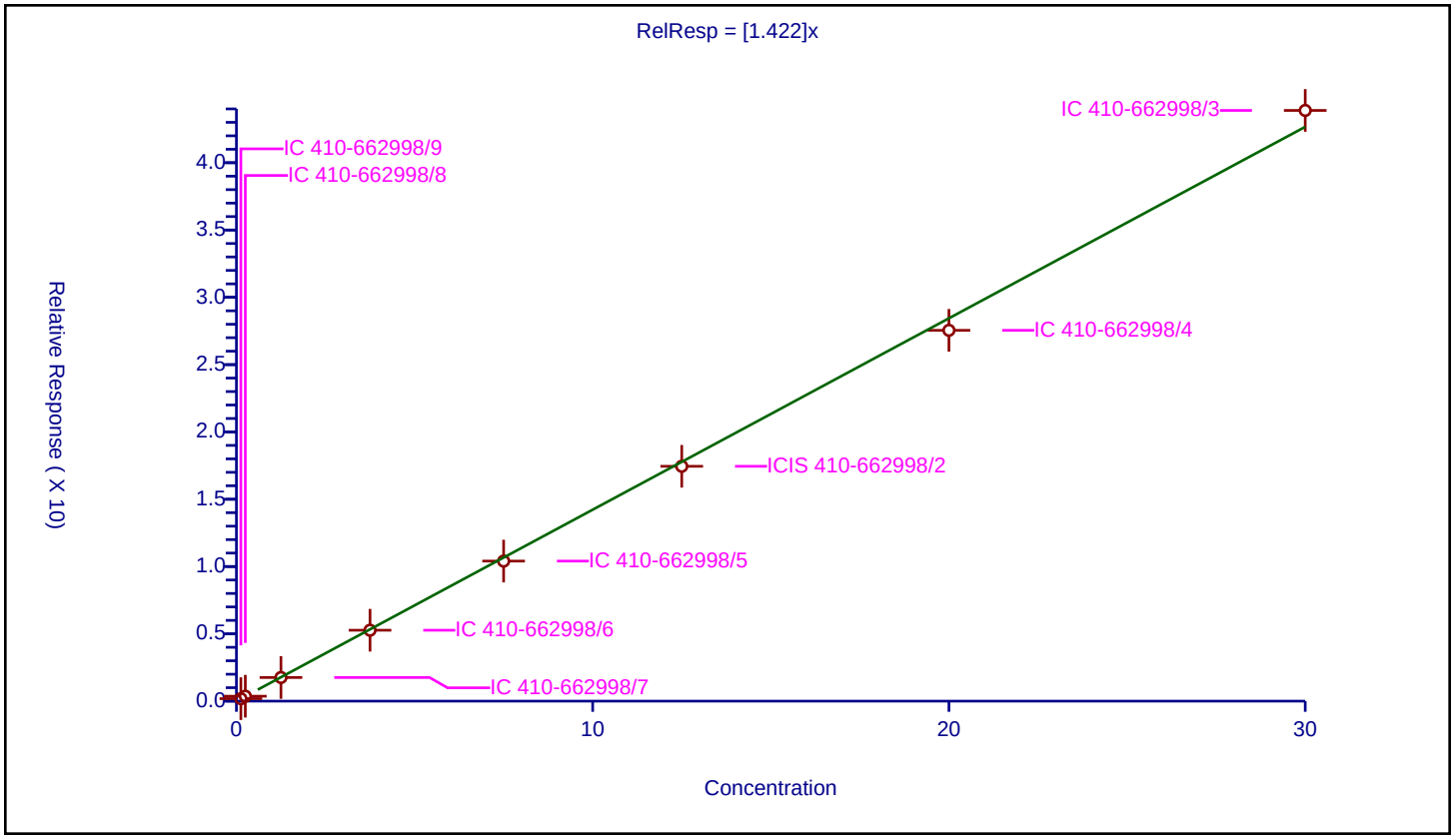
Curve Coefficients

Intercept:	0
Slope:	1.422

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.184151	5.0	164322.0	1.473205	Y
2	IC 410-662998/8	0.25	0.367762	5.0	164155.0	1.471049	Y
3	IC 410-662998/7	1.25	1.755839	5.0	159542.0	1.404671	Y
4	IC 410-662998/6	3.75	5.269268	5.0	167807.0	1.405138	Y
5	IC 410-662998/5	7.5	10.404507	5.0	164274.0	1.387268	Y
6	ICIS 410-662998/2	12.5	17.447624	5.0	182383.0	1.39581	Y
7	IC 410-662998/4	20.0	27.547902	5.0	169357.0	1.377395	Y
8	IC 410-662998/3	30.0	43.884358	5.0	162337.0	1.462812	Y



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Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

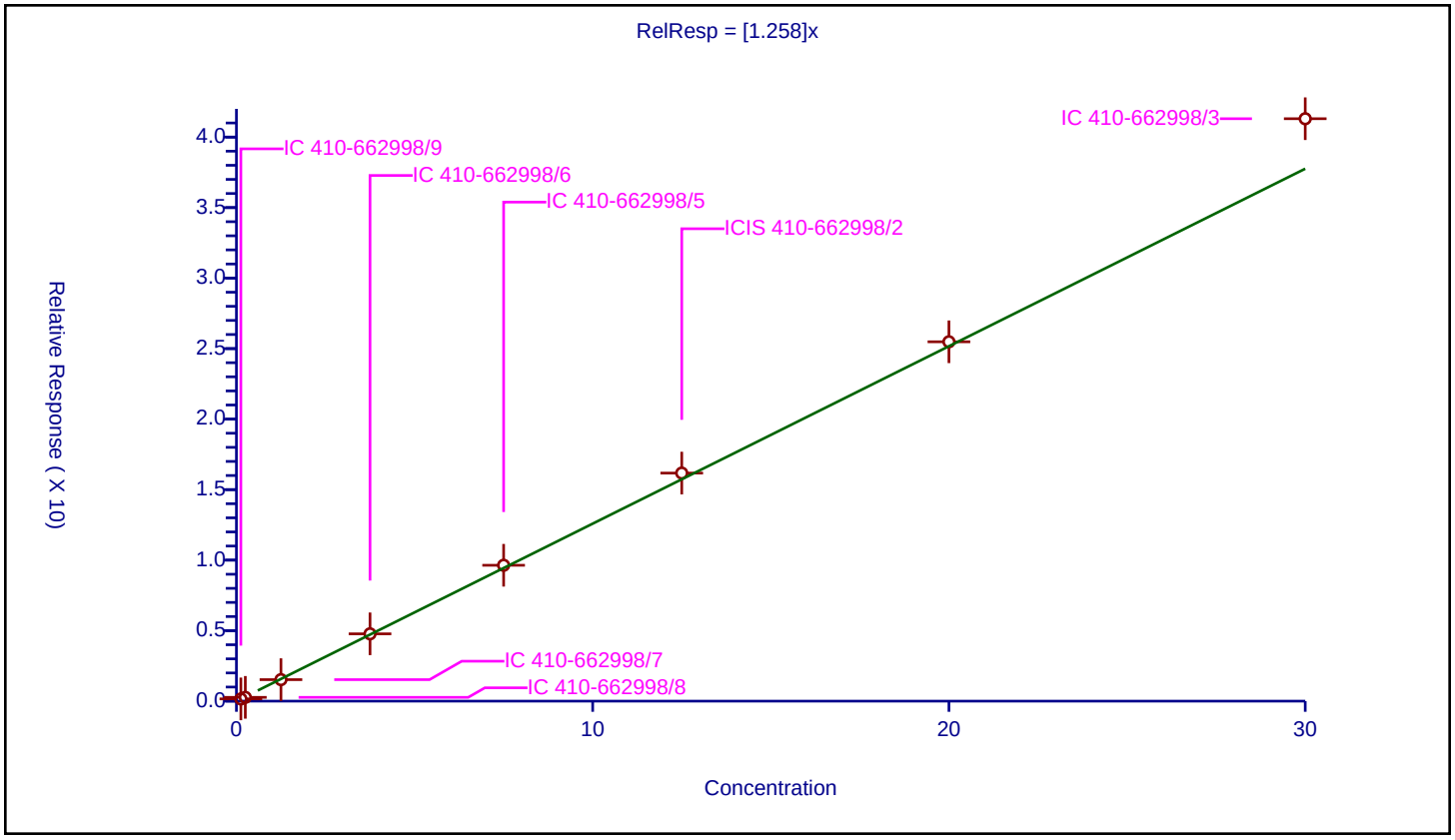
Curve Coefficients

Intercept:	0
Slope:	1.258

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.158652	5.0	164322.0	1.269215	Y
2	IC 410-662998/8	0.25	0.268953	5.0	164155.0	1.075812	Y
3	IC 410-662998/7	1.25	1.525836	5.0	159542.0	1.220669	Y
4	IC 410-662998/6	3.75	4.773043	5.0	167807.0	1.272811	Y
5	IC 410-662998/5	7.5	9.634848	5.0	164274.0	1.284646	Y
6	ICIS 410-662998/2	12.5	16.173574	5.0	182383.0	1.293886	Y
7	IC 410-662998/4	20.0	25.484391	5.0	169357.0	1.27422	Y
8	IC 410-662998/3	30.0	41.302075	5.0	162337.0	1.376736	Y



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Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

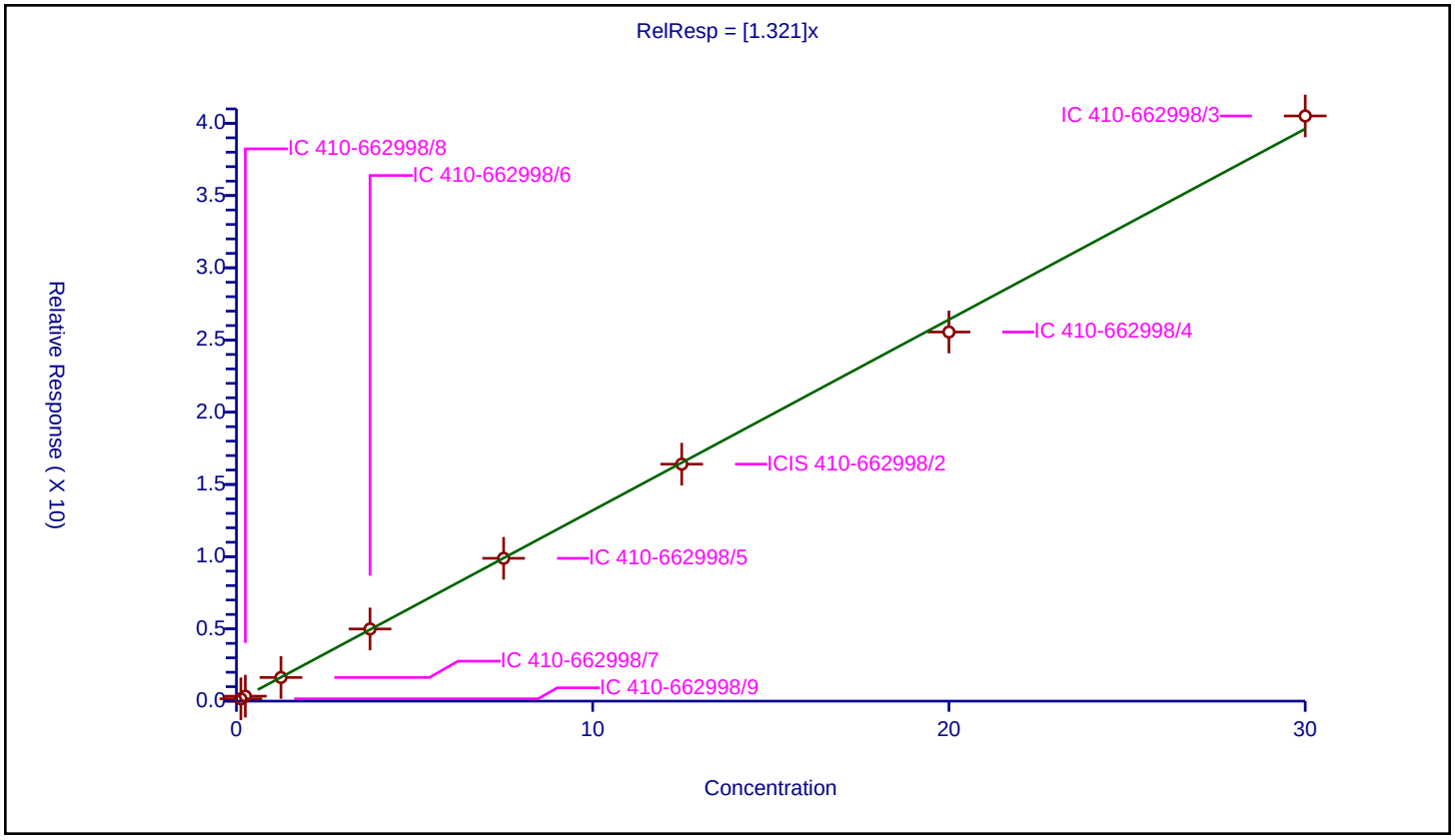
Curve Coefficients

Intercept:	0
Slope:	1.321

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.161269	5.0	164322.0	1.29015	Y
2	IC 410-662998/8	0.25	0.343121	5.0	164155.0	1.372483	Y
3	IC 410-662998/7	1.25	1.638095	5.0	159542.0	1.310476	Y
4	IC 410-662998/6	3.75	4.996156	5.0	167807.0	1.332308	Y
5	IC 410-662998/5	7.5	9.886988	5.0	164274.0	1.318265	Y
6	ICIS 410-662998/2	12.5	16.406244	5.0	182383.0	1.3125	Y
7	IC 410-662998/4	20.0	25.55507	5.0	169357.0	1.277754	Y
8	IC 410-662998/3	30.0	40.511282	5.0	162337.0	1.350376	Y



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Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

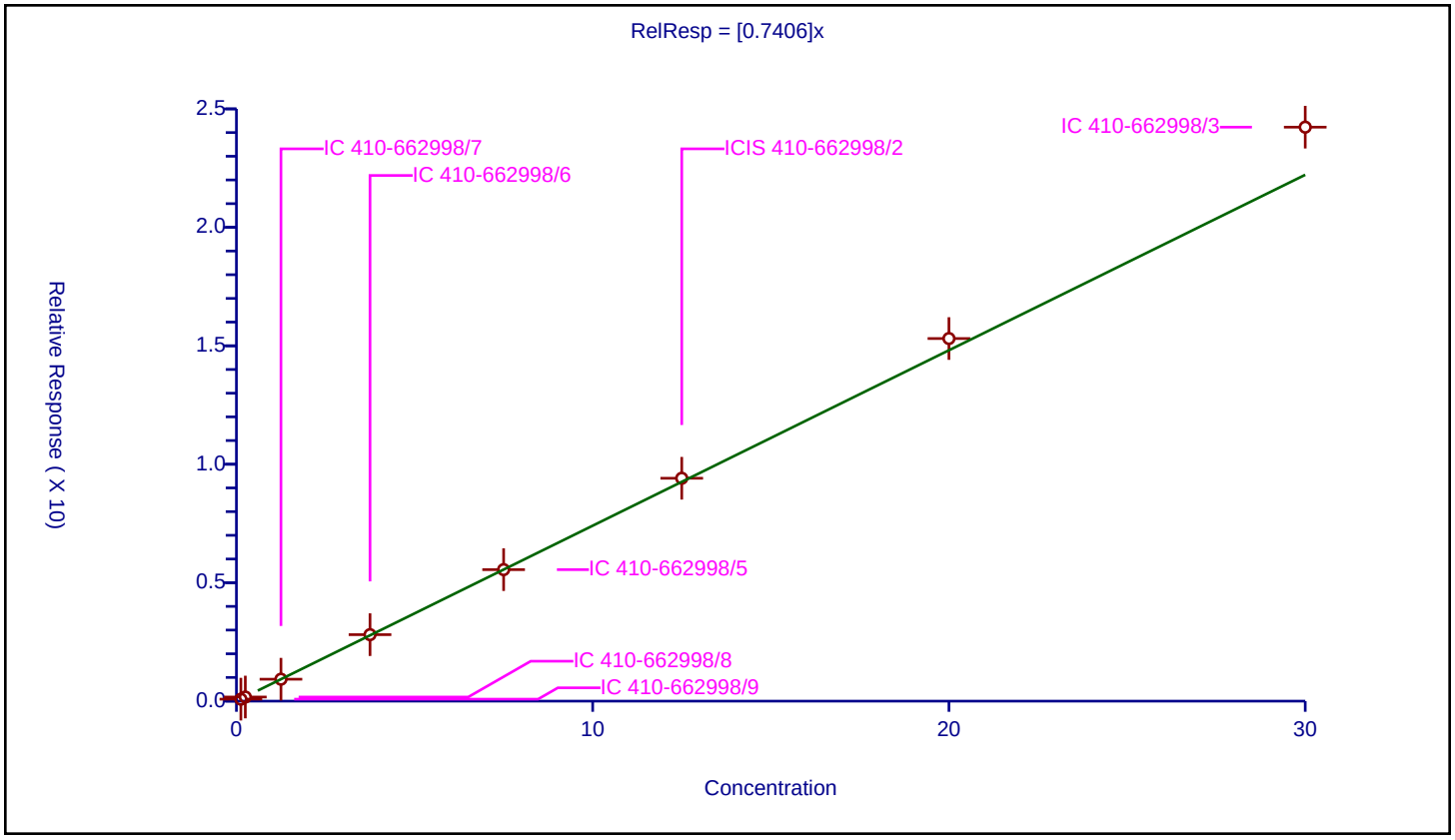
Curve Coefficients

Intercept:	0
Slope:	0.7406

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.084134	5.0	164322.0	0.673069	Y
2	IC 410-662998/8	0.25	0.174134	5.0	164155.0	0.696537	Y
3	IC 410-662998/7	1.25	0.9259	5.0	159542.0	0.74072	Y
4	IC 410-662998/6	3.75	2.806617	5.0	167807.0	0.748431	Y
5	IC 410-662998/5	7.5	5.551396	5.0	164274.0	0.740186	Y
6	ICIS 410-662998/2	12.5	9.407977	5.0	182383.0	0.752638	Y
7	IC 410-662998/4	20.0	15.30666	5.0	169357.0	0.765333	Y
8	IC 410-662998/3	30.0	24.228796	5.0	162337.0	0.807627	Y



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Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

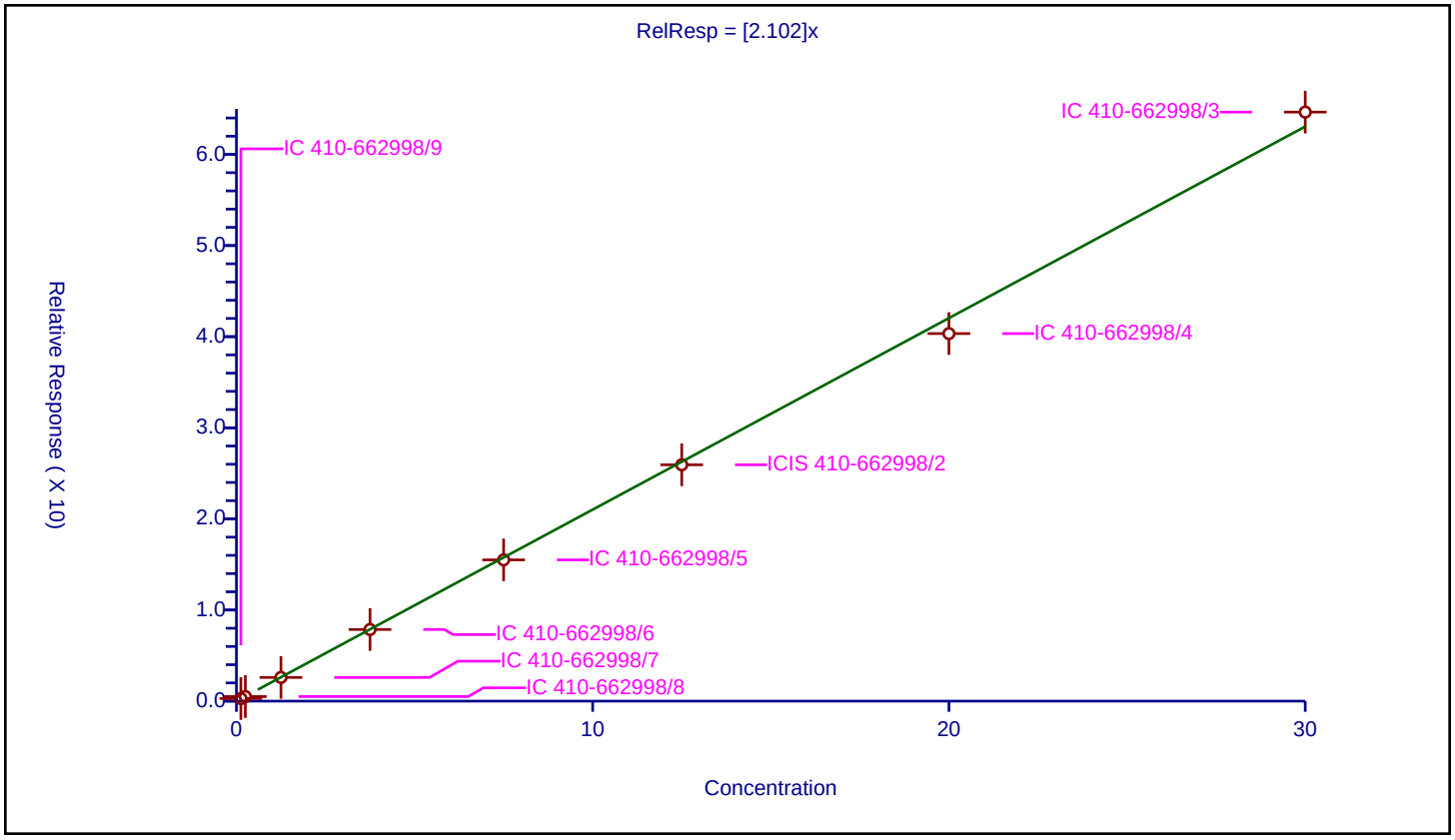
Curve Coefficients

Intercept:	0
Slope:	2.102

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.288914	5.0	164322.0	2.311316	Y
2	IC 410-662998/8	0.25	0.503548	5.0	164155.0	2.014194	Y
3	IC 410-662998/7	1.25	2.599942	5.0	159542.0	2.079954	Y
4	IC 410-662998/6	3.75	7.861829	5.0	167807.0	2.096488	Y
5	IC 410-662998/5	7.5	15.503275	5.0	164274.0	2.067103	Y
6	ICIS 410-662998/2	12.5	25.937807	5.0	182383.0	2.075025	Y
7	IC 410-662998/4	20.0	40.339372	5.0	169357.0	2.016969	Y
8	IC 410-662998/3	30.0	64.648509	5.0	162337.0	2.15495	Y



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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

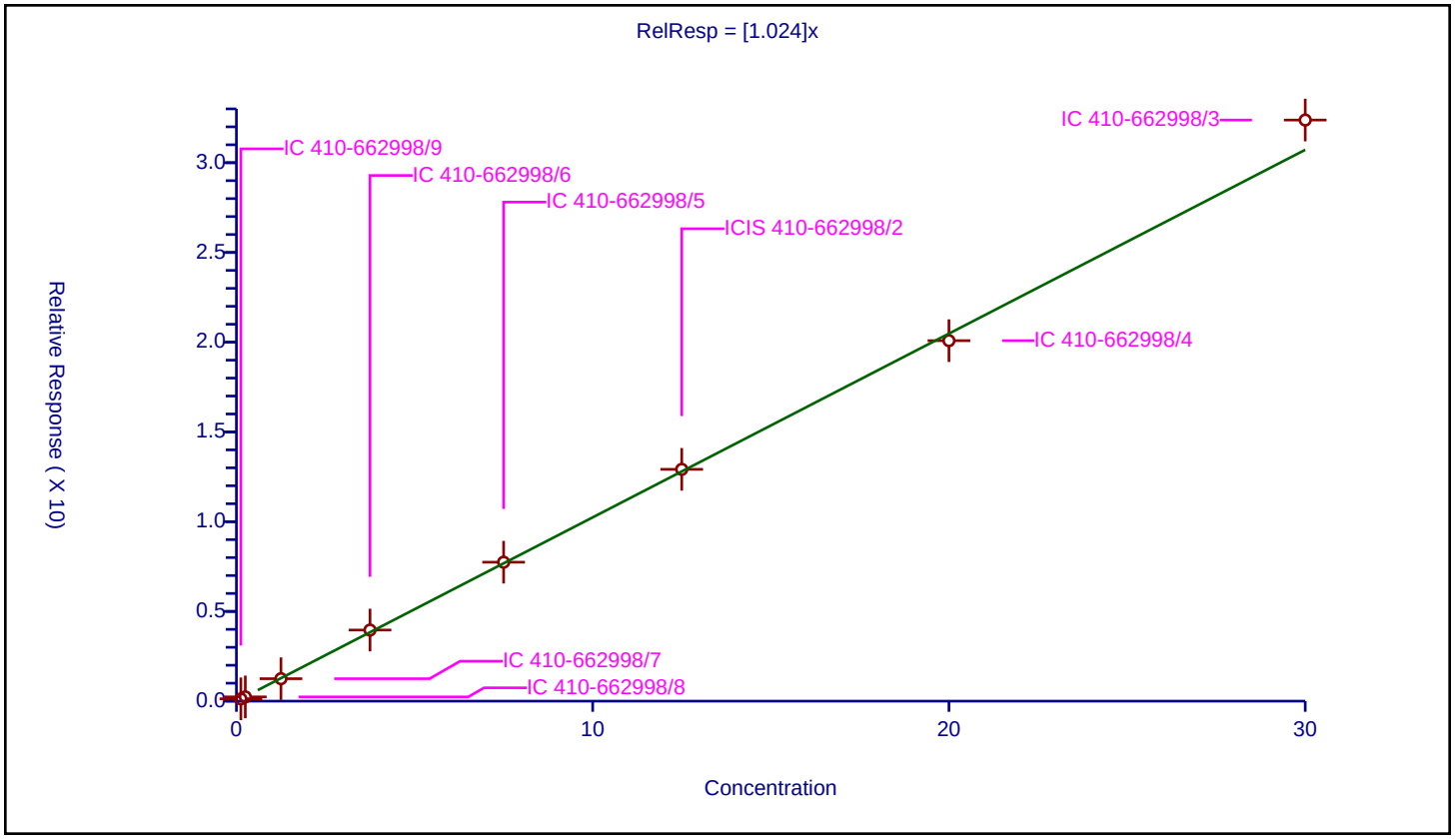
Curve Coefficients

Intercept:	0
Slope:	1.024

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.129897	5.0	164322.0	1.039179	Y
2	IC 410-662998/8	0.25	0.236606	5.0	164155.0	0.946423	Y
3	IC 410-662998/7	1.25	1.250925	5.0	159542.0	1.00074	Y
4	IC 410-662998/6	3.75	3.961754	5.0	167807.0	1.056468	Y
5	IC 410-662998/5	7.5	7.74173	5.0	164274.0	1.032231	Y
6	ICIS 410-662998/2	12.5	12.916637	5.0	182383.0	1.033331	Y
7	IC 410-662998/4	20.0	20.085559	5.0	169357.0	1.004278	Y
8	IC 410-662998/3	30.0	32.377554	5.0	162337.0	1.079252	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

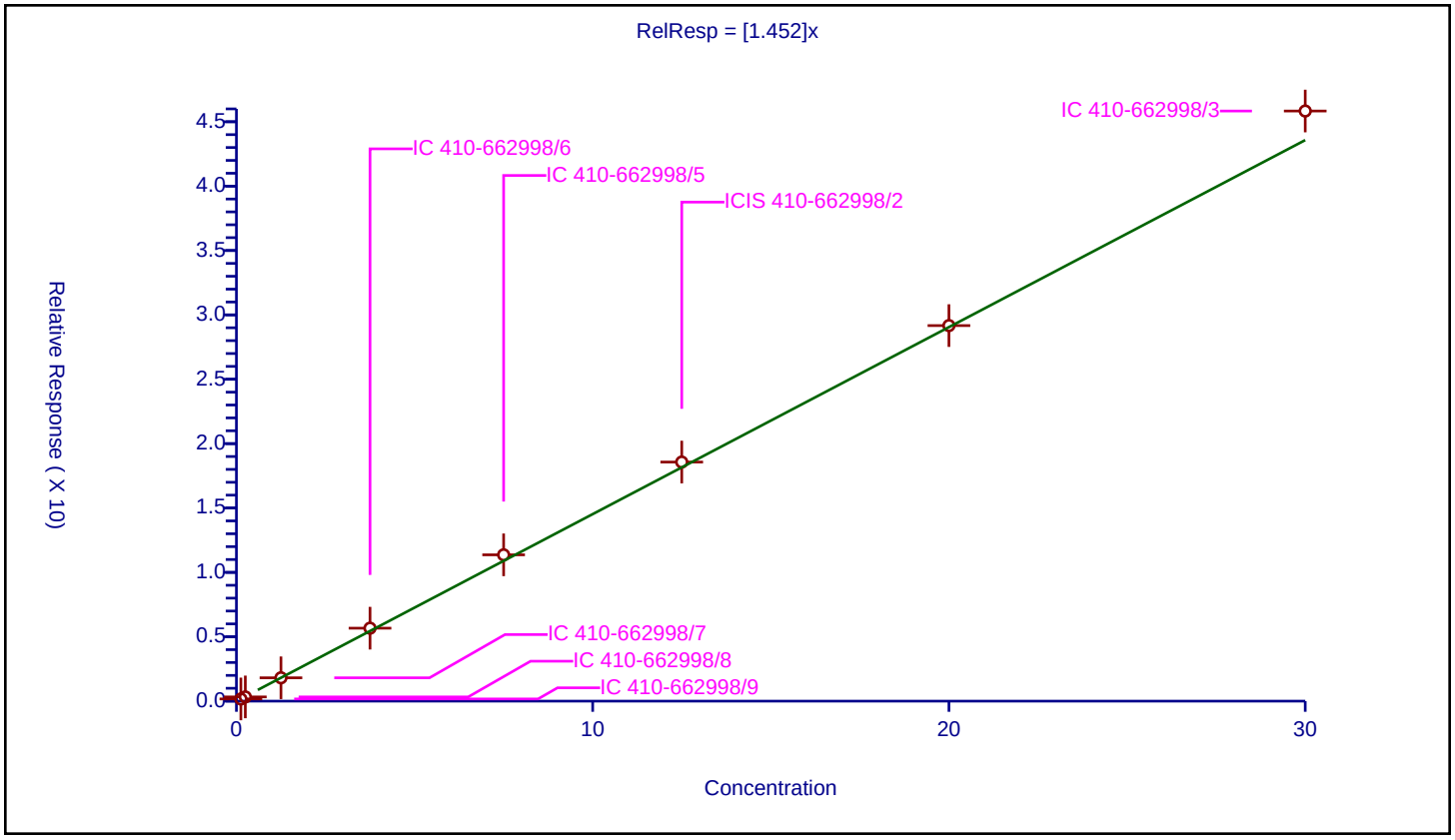
Curve Coefficients

Intercept:	0
Slope:	1.452

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.170245	5.0	164322.0	1.36196	Y
2	IC 410-662998/8	0.25	0.327434	5.0	164155.0	1.309738	Y
3	IC 410-662998/7	1.25	1.812407	5.0	159542.0	1.449925	Y
4	IC 410-662998/6	3.75	5.667791	5.0	167807.0	1.511411	Y
5	IC 410-662998/5	7.5	11.363545	5.0	164274.0	1.515139	Y
6	ICIS 410-662998/2	12.5	18.569302	5.0	182383.0	1.485544	Y
7	IC 410-662998/4	20.0	29.168532	5.0	169357.0	1.458427	Y
8	IC 410-662998/3	30.0	45.833513	5.0	162337.0	1.527784	Y



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Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

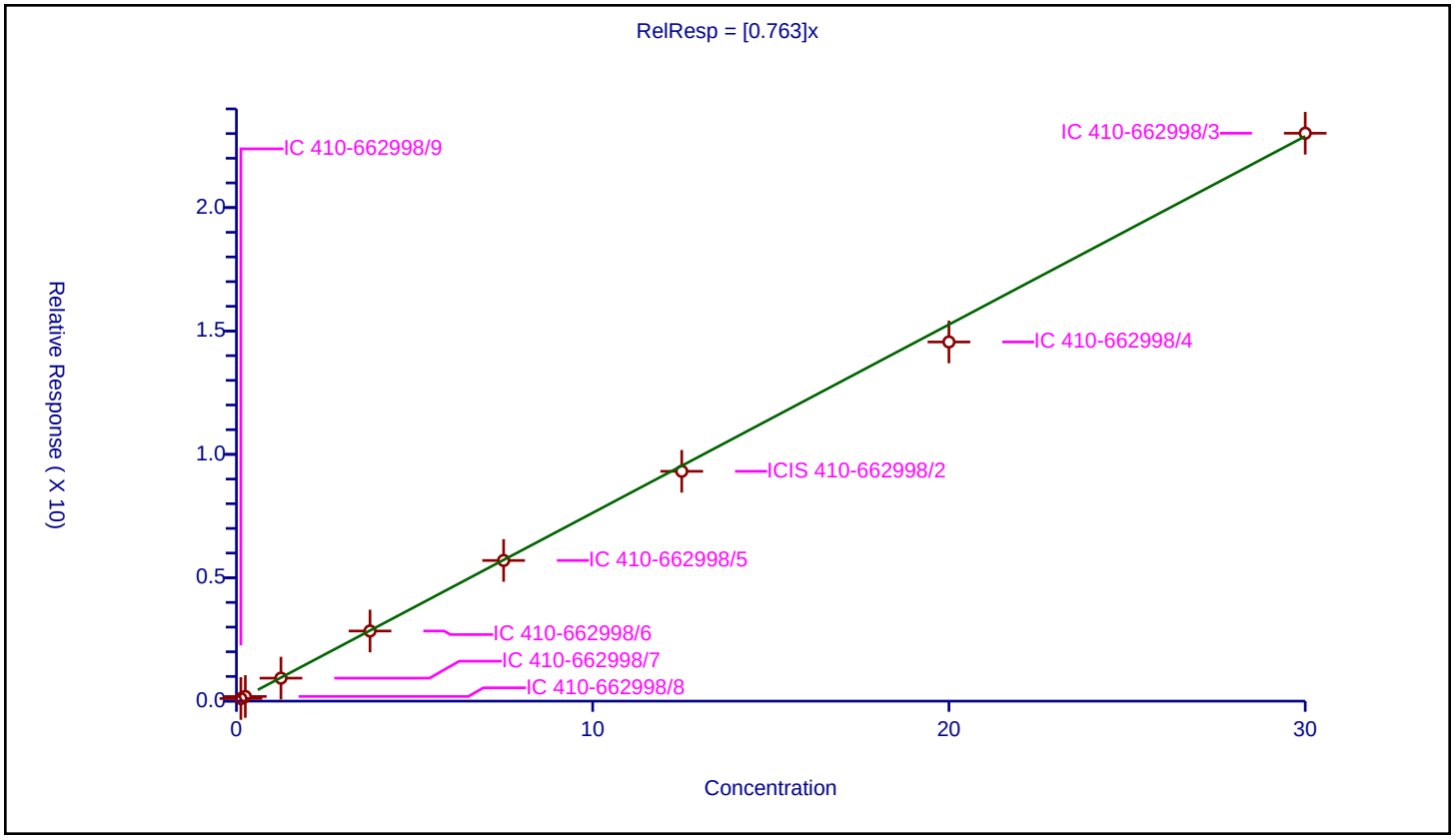
Curve Coefficients

Intercept:	0
Slope:	0.763

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.106072	5.0	164322.0	0.848578	Y
2	IC 410-662998/8	0.25	0.188084	5.0	164155.0	0.752338	Y
3	IC 410-662998/7	1.25	0.931448	5.0	159542.0	0.745158	Y
4	IC 410-662998/6	3.75	2.842492	5.0	167807.0	0.757998	Y
5	IC 410-662998/5	7.5	5.700141	5.0	164274.0	0.760019	Y
6	ICIS 410-662998/2	12.5	9.313889	5.0	182383.0	0.745111	Y
7	IC 410-662998/4	20.0	14.555229	5.0	169357.0	0.727761	Y
8	IC 410-662998/3	30.0	23.013823	5.0	162337.0	0.767127	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

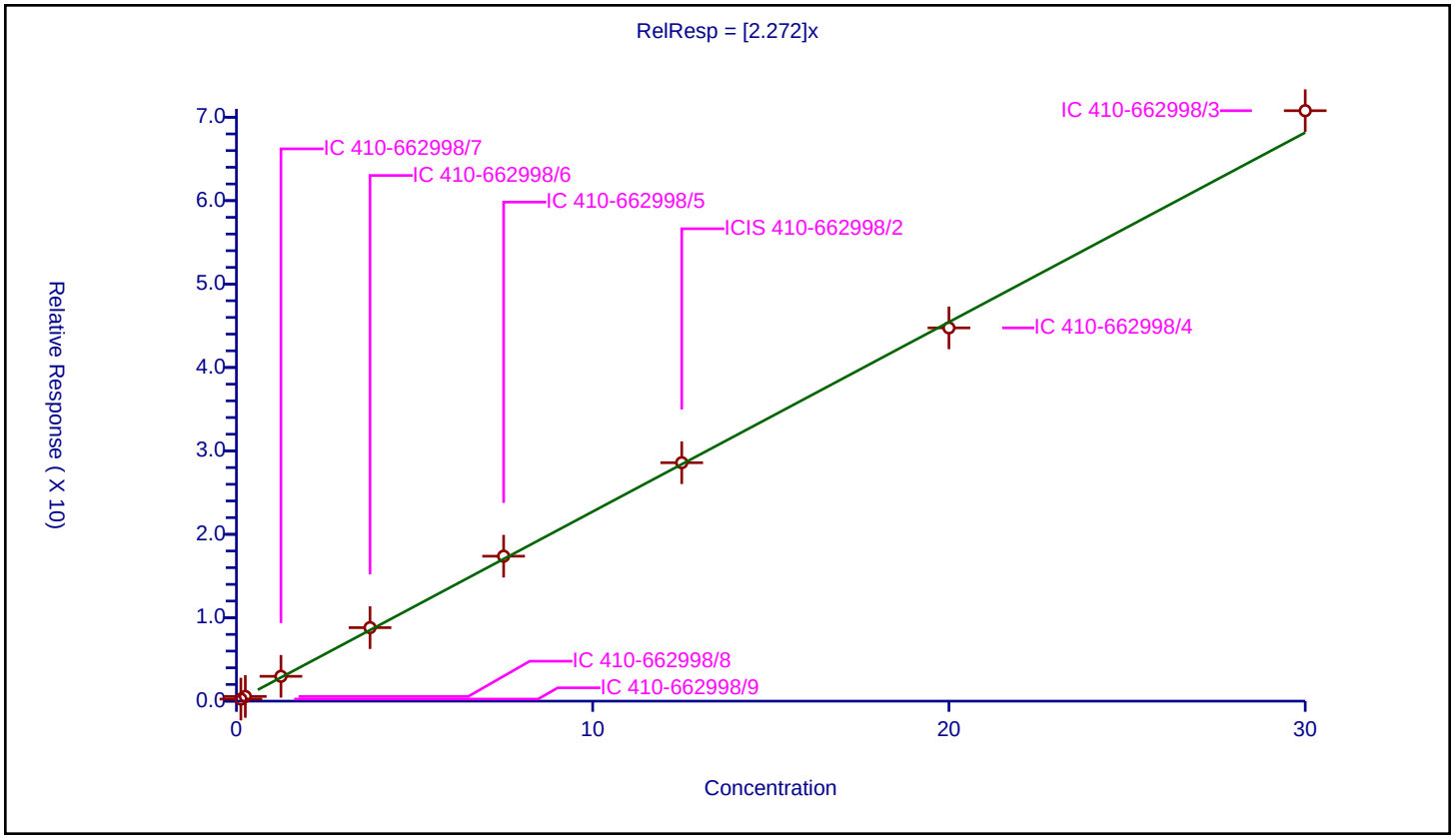
Curve Coefficients

Intercept:	0
Slope:	2.272

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.249054	5.0	164322.0	1.992429	Y
2	IC 410-662998/8	0.25	0.563035	5.0	164155.0	2.25214	Y
3	IC 410-662998/7	1.25	2.97721	5.0	159542.0	2.381768	Y
4	IC 410-662998/6	3.75	8.810687	5.0	167807.0	2.349517	Y
5	IC 410-662998/5	7.5	17.376578	5.0	164274.0	2.316877	Y
6	ICIS 410-662998/2	12.5	28.585312	5.0	182383.0	2.286825	Y
7	IC 410-662998/4	20.0	44.746098	5.0	169357.0	2.237305	Y
8	IC 410-662998/3	30.0	70.782724	5.0	162337.0	2.359424	Y



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Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

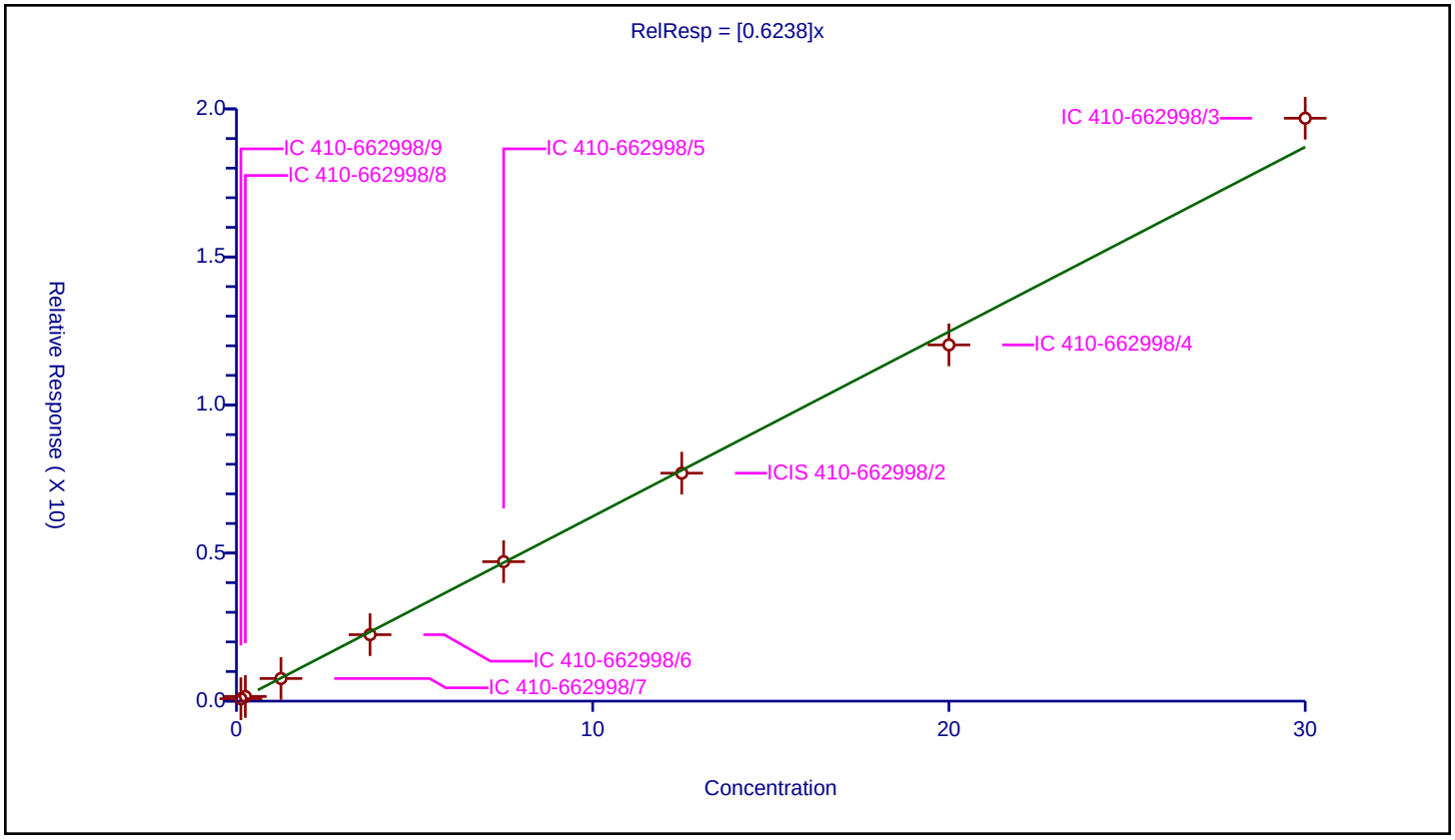
Curve Coefficients

Intercept:	0
Slope:	0.6238

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.081456	5.0	164322.0	0.651647	Y
2	IC 410-662998/8	0.25	0.156773	5.0	164155.0	0.62709	Y
3	IC 410-662998/7	1.25	0.76425	5.0	159542.0	0.6114	Y
4	IC 410-662998/6	3.75	2.244424	5.0	167807.0	0.598513	Y
5	IC 410-662998/5	7.5	4.709662	5.0	164274.0	0.627955	Y
6	ICIS 410-662998/2	12.5	7.69836	5.0	182383.0	0.615869	Y
7	IC 410-662998/4	20.0	12.030622	5.0	169357.0	0.601531	Y
8	IC 410-662998/3	30.0	19.684268	5.0	162337.0	0.656142	Y



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Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

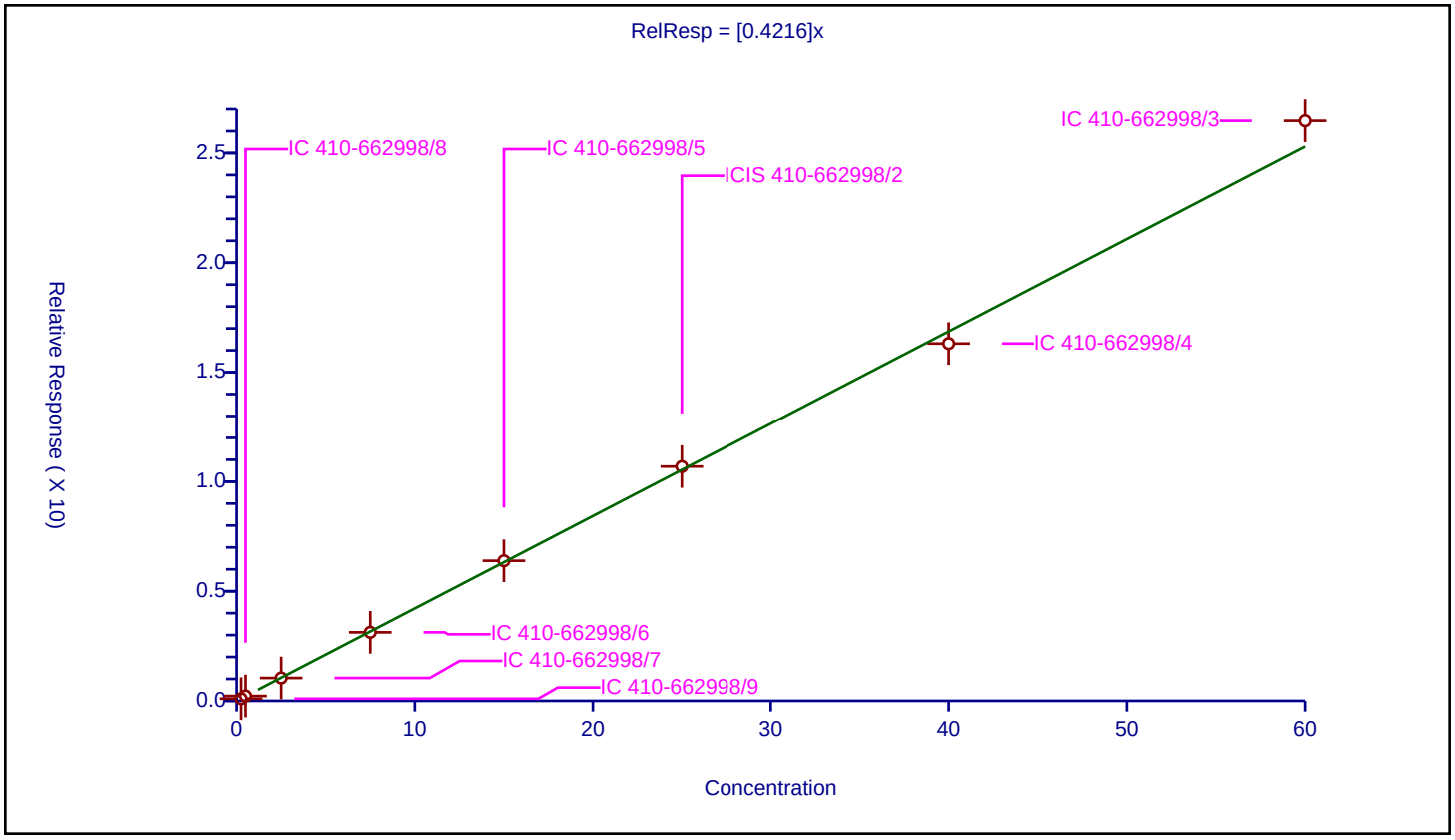
Curve Coefficients

Intercept:	0
Slope:	0.4216

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.098441	5.0	585122.0	0.393764	Y
2	IC 410-662998/8	0.5	0.221489	5.0	594545.0	0.442977	Y
3	IC 410-662998/7	2.5	1.042035	5.0	572121.0	0.416814	Y
4	IC 410-662998/6	7.5	3.124231	5.0	622502.0	0.416564	Y
5	IC 410-662998/5	15.0	6.389499	5.0	591465.0	0.425967	Y
6	ICIS 410-662998/2	25.0	10.690828	5.0	653513.0	0.427633	Y
7	IC 410-662998/4	40.0	16.310137	5.0	618298.0	0.407753	Y
8	IC 410-662998/3	60.0	26.471557	5.0	580674.0	0.441193	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

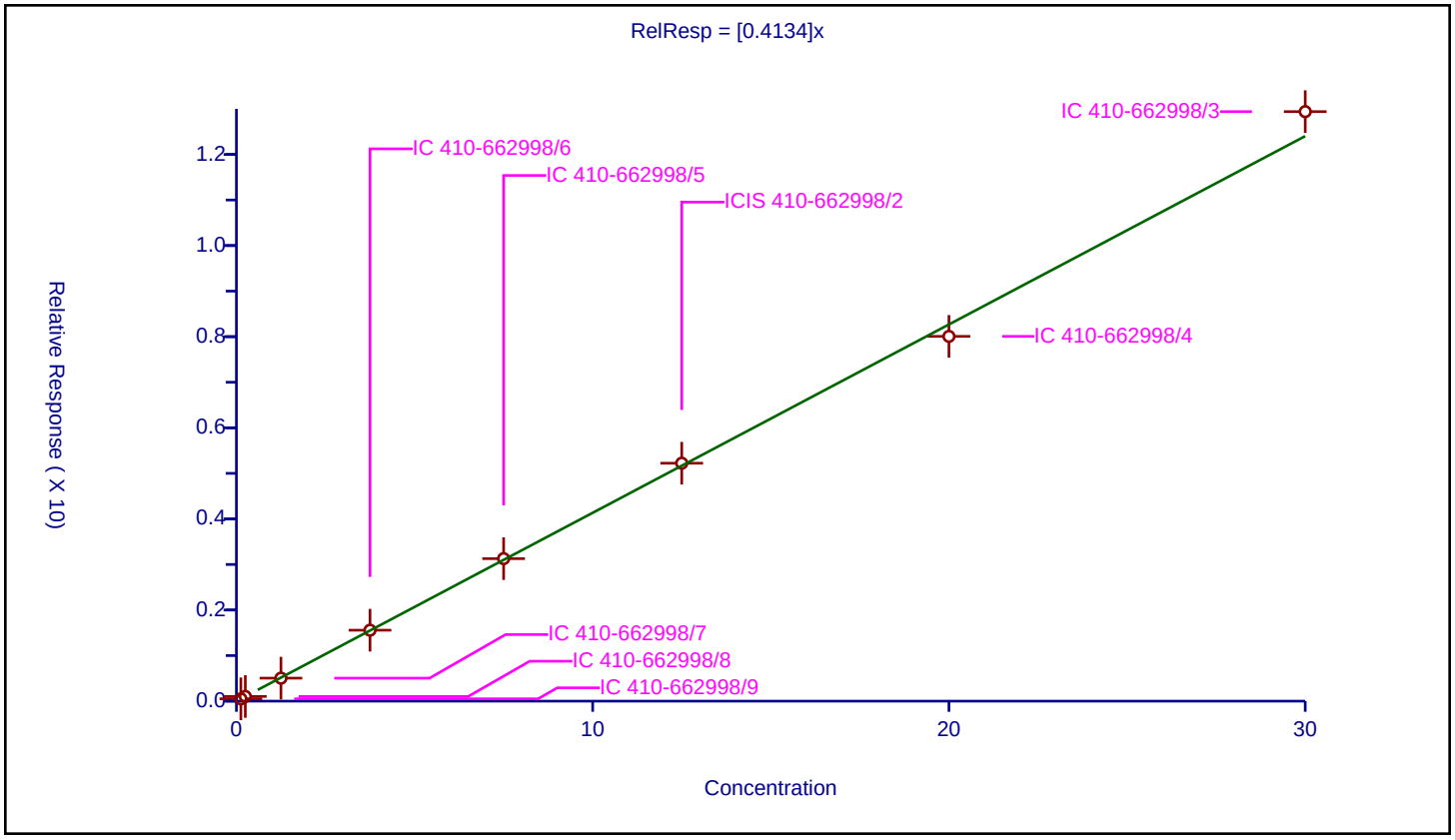
Curve Coefficients

Intercept:	0
Slope:	0.4134

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.051143	5.0	585122.0	0.409145	Y
2	IC 410-662998/8	0.25	0.103163	5.0	594545.0	0.412652	Y
3	IC 410-662998/7	1.25	0.504526	5.0	572121.0	0.403621	Y
4	IC 410-662998/6	3.75	1.557039	5.0	622502.0	0.41521	Y
5	IC 410-662998/5	7.5	3.1283	5.0	591465.0	0.417107	Y
6	ICIS 410-662998/2	12.5	5.222696	5.0	653513.0	0.417816	Y
7	IC 410-662998/4	20.0	8.006657	5.0	618298.0	0.400333	Y
8	IC 410-662998/3	30.0	12.939773	5.0	580674.0	0.431326	Y



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Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

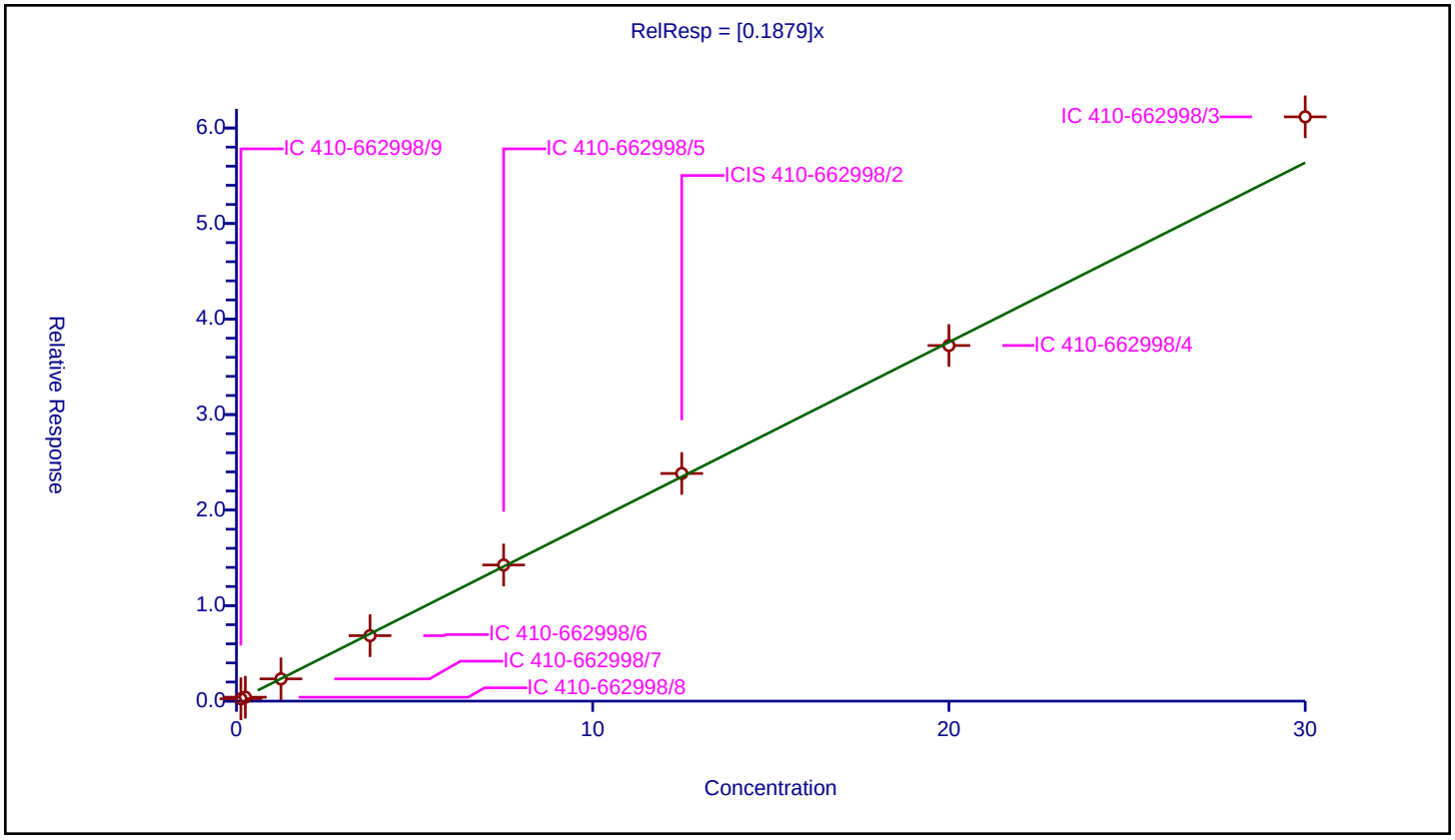
Curve Coefficients

Intercept:	0
Slope:	0.1879

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.024858	5.0	585122.0	0.198865	Y
2	IC 410-662998/8	0.25	0.041141	5.0	594545.0	0.164563	Y
3	IC 410-662998/7	1.25	0.232835	5.0	572121.0	0.186268	Y
4	IC 410-662998/6	3.75	0.685484	5.0	622502.0	0.182796	Y
5	IC 410-662998/5	7.5	1.425148	5.0	591465.0	0.19002	Y
6	ICIS 410-662998/2	12.5	2.383457	5.0	653513.0	0.190677	Y
7	IC 410-662998/4	20.0	3.723051	5.0	618298.0	0.186153	Y
8	IC 410-662998/3	30.0	6.1169	5.0	580674.0	0.203897	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

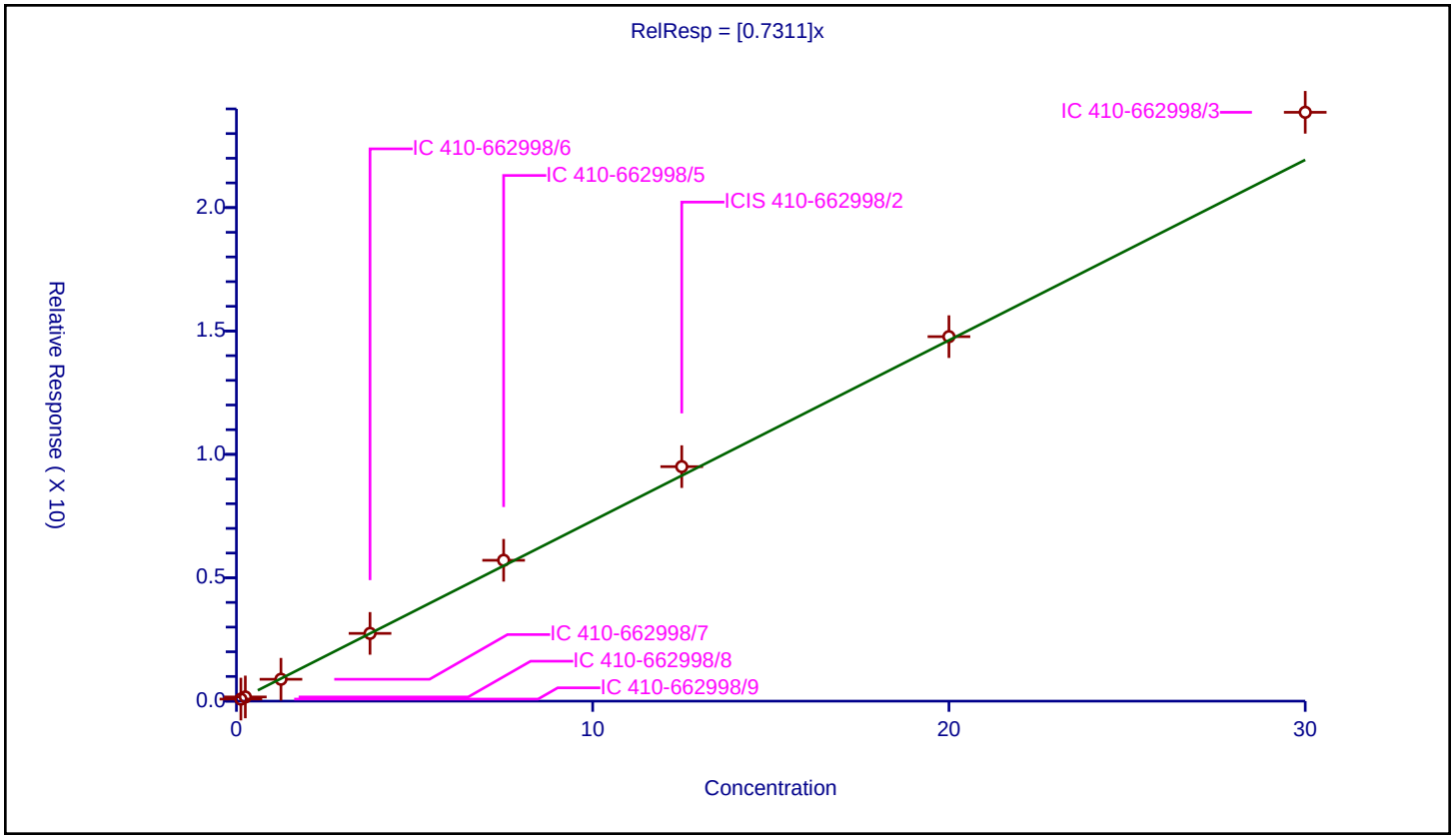
Curve Coefficients

Intercept:	0
Slope:	0.7311

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.084076	5.0	585122.0	0.672612	Y
2	IC 410-662998/8	0.25	0.169953	5.0	594545.0	0.679814	Y
3	IC 410-662998/7	1.25	0.886954	5.0	572121.0	0.709563	Y
4	IC 410-662998/6	3.75	2.744843	5.0	622502.0	0.731958	Y
5	IC 410-662998/5	7.5	5.70792	5.0	591465.0	0.761056	Y
6	ICIS 410-662998/2	12.5	9.50255	5.0	653513.0	0.760204	Y
7	IC 410-662998/4	20.0	14.771146	5.0	618298.0	0.738557	Y
8	IC 410-662998/3	30.0	23.861349	5.0	580674.0	0.795378	Y



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Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

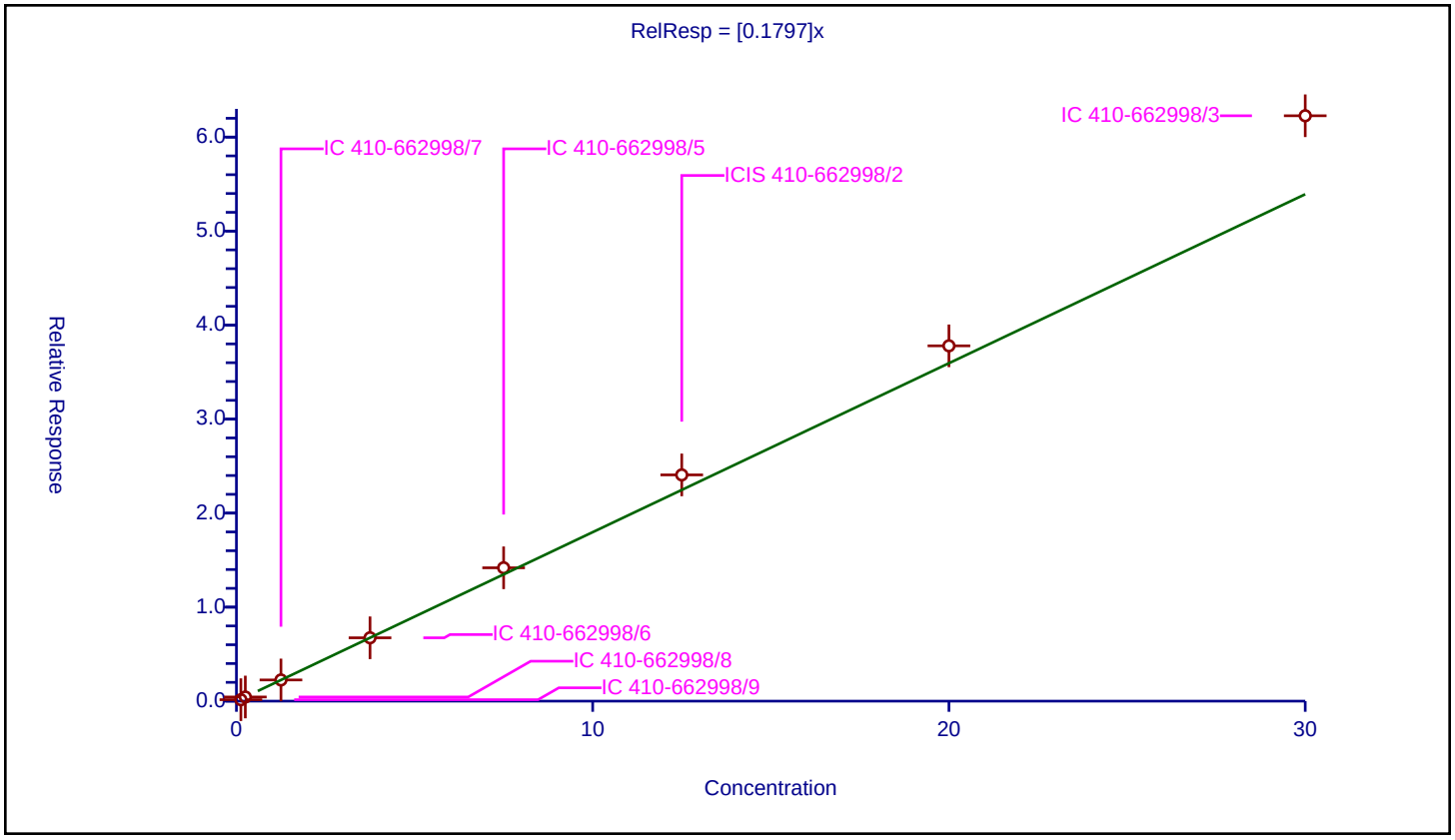
Curve Coefficients

Intercept:	0
Slope:	0.1797

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.015416	5.0	585122.0	0.123325	Y
2	IC 410-662998/8	0.25	0.044076	5.0	594545.0	0.176303	Y
3	IC 410-662998/7	1.25	0.225416	5.0	572121.0	0.180332	Y
4	IC 410-662998/6	3.75	0.673934	5.0	622502.0	0.179716	Y
5	IC 410-662998/5	7.5	1.418452	5.0	591465.0	0.189127	Y
6	ICIS 410-662998/2	12.5	2.406723	5.0	653513.0	0.192538	Y
7	IC 410-662998/4	20.0	3.77969	5.0	618298.0	0.188985	Y
8	IC 410-662998/3	30.0	6.227022	5.0	580674.0	0.207567	Y



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Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

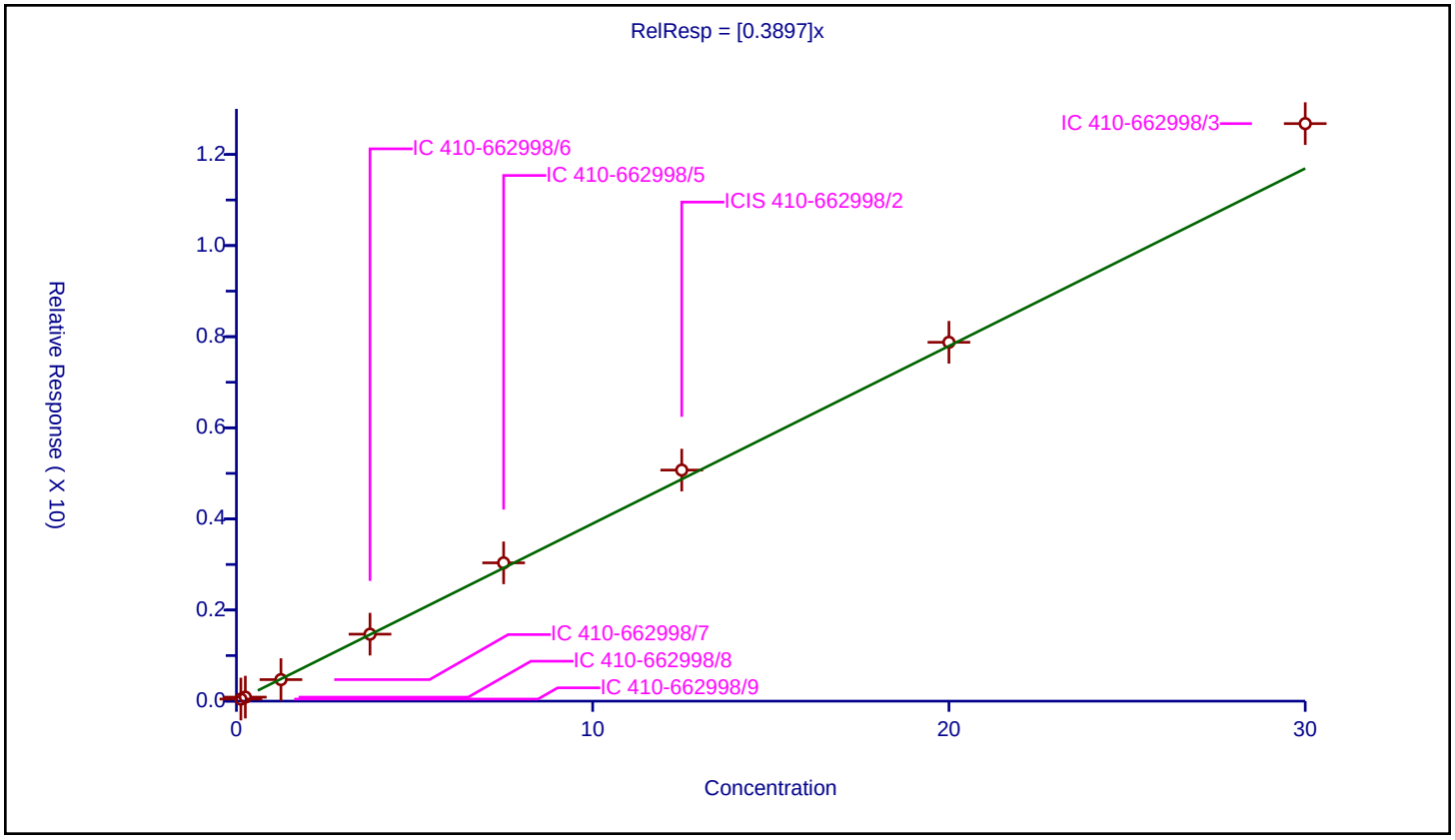
Curve Coefficients

Intercept:	0
Slope:	0.3897

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.046033	5.0	585122.0	0.368265	Y
2	IC 410-662998/8	0.25	0.08821	5.0	594545.0	0.352841	Y
3	IC 410-662998/7	1.25	0.472479	5.0	572121.0	0.377983	Y
4	IC 410-662998/6	3.75	1.470052	5.0	622502.0	0.392014	Y
5	IC 410-662998/5	7.5	3.035699	5.0	591465.0	0.40476	Y
6	ICIS 410-662998/2	12.5	5.071659	5.0	653513.0	0.405733	Y
7	IC 410-662998/4	20.0	7.876655	5.0	618298.0	0.393833	Y
8	IC 410-662998/3	30.0	12.676683	5.0	580674.0	0.422556	Y



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Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

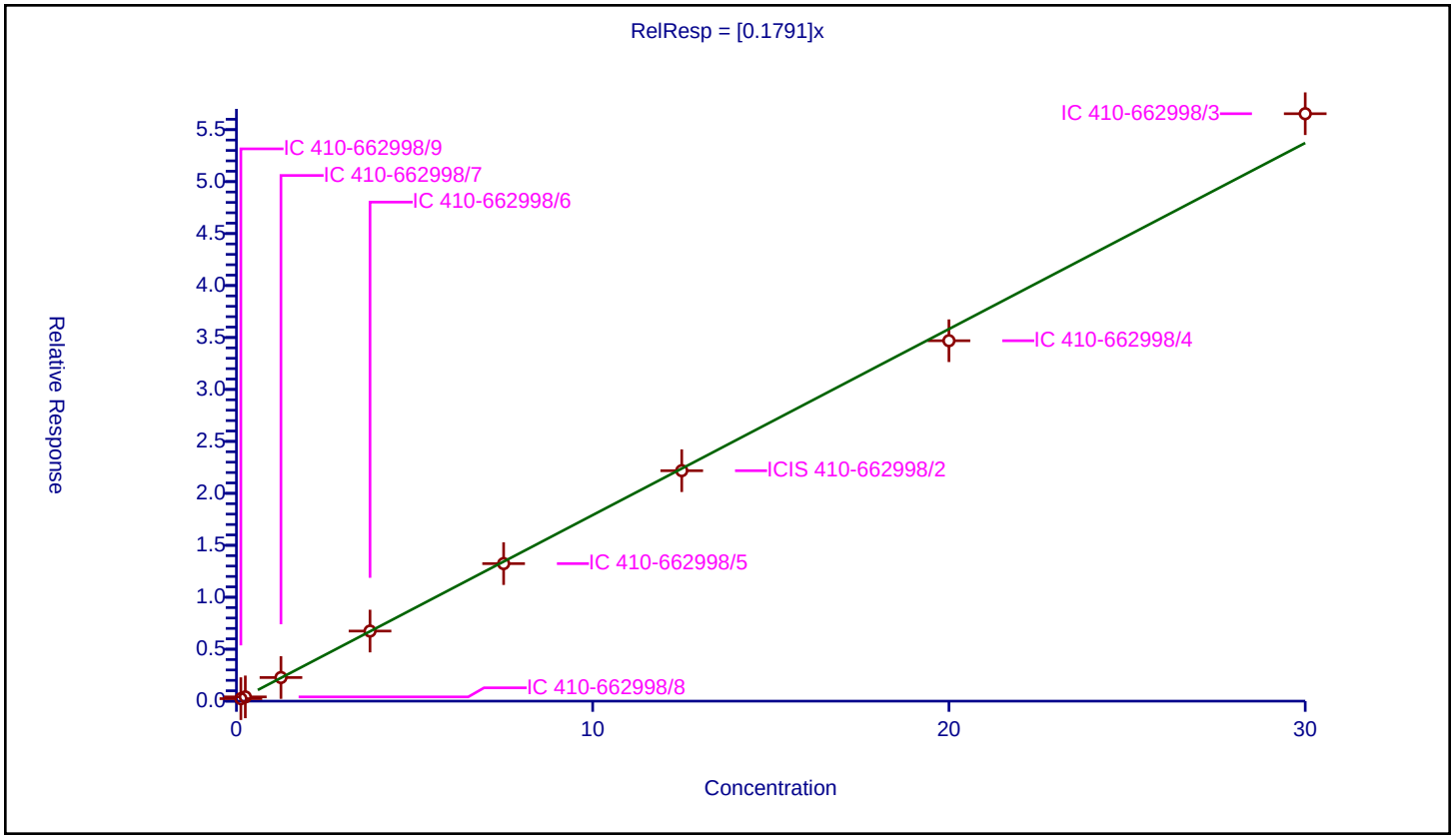
Curve Coefficients

Intercept:	0
Slope:	0.1791

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.023901	5.0	585122.0	0.191208	Y
2	IC 410-662998/8	0.25	0.040947	5.0	594545.0	0.163789	Y
3	IC 410-662998/7	1.25	0.227277	5.0	572121.0	0.181822	Y
4	IC 410-662998/6	3.75	0.67452	5.0	622502.0	0.179872	Y
5	IC 410-662998/5	7.5	1.323705	5.0	591465.0	0.176494	Y
6	ICIS 410-662998/2	12.5	2.217913	5.0	653513.0	0.177433	Y
7	IC 410-662998/4	20.0	3.468958	5.0	618298.0	0.173448	Y
8	IC 410-662998/3	30.0	5.653706	5.0	580674.0	0.188457	Y



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Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

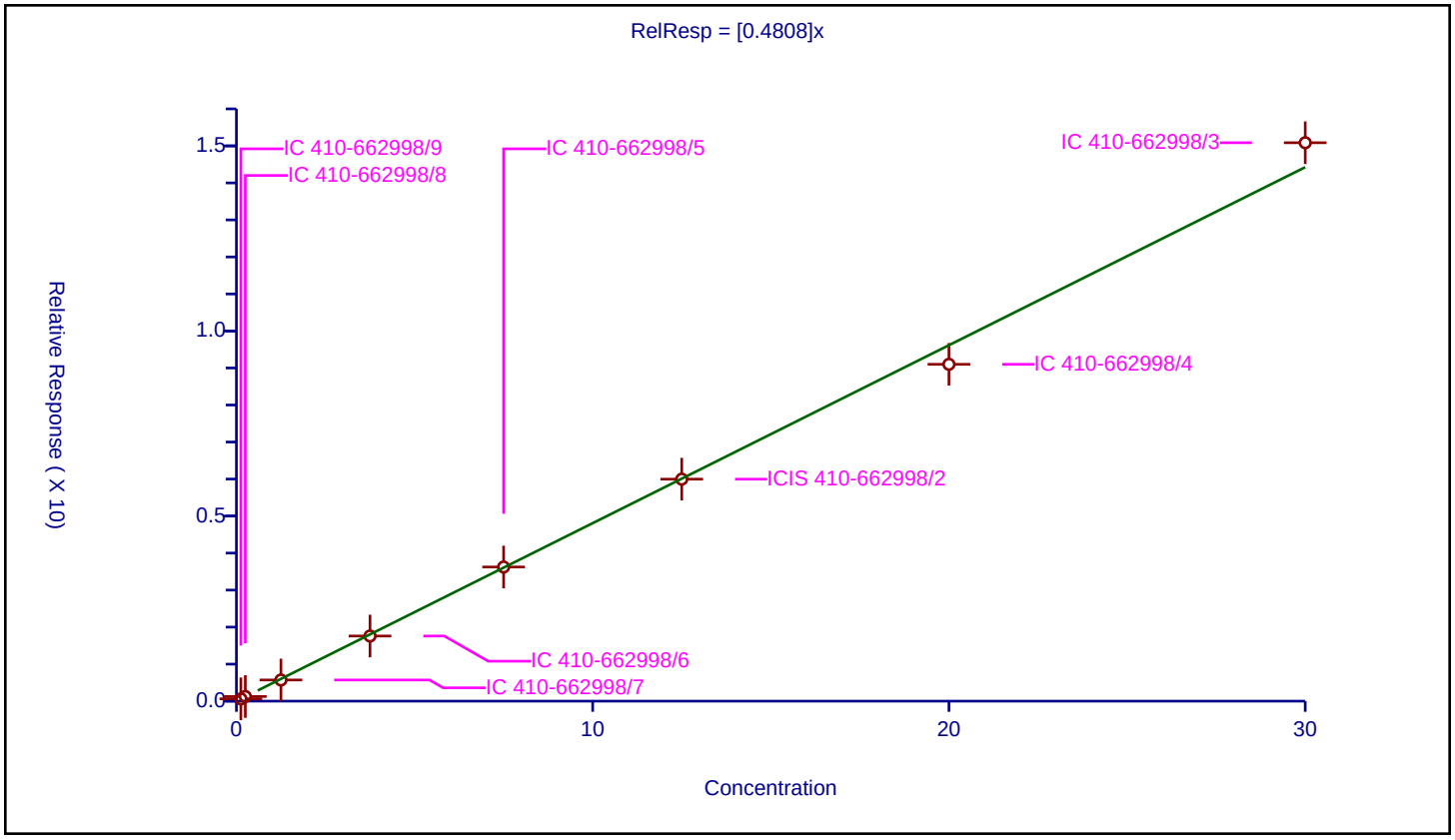
Curve Coefficients

Intercept:	0
Slope:	0.4808

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.062329	5.0	585122.0	0.498631	Y
2	IC 410-662998/8	0.25	0.125188	5.0	594545.0	0.500753	Y
3	IC 410-662998/7	1.25	0.571383	5.0	572121.0	0.457106	Y
4	IC 410-662998/6	3.75	1.759898	5.0	622502.0	0.469306	Y
5	IC 410-662998/5	7.5	3.623672	5.0	591465.0	0.483156	Y
6	ICIS 410-662998/2	12.5	5.996966	5.0	653513.0	0.479757	Y
7	IC 410-662998/4	20.0	9.099617	5.0	618298.0	0.454981	Y
8	IC 410-662998/3	30.0	15.085478	5.0	580674.0	0.502849	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

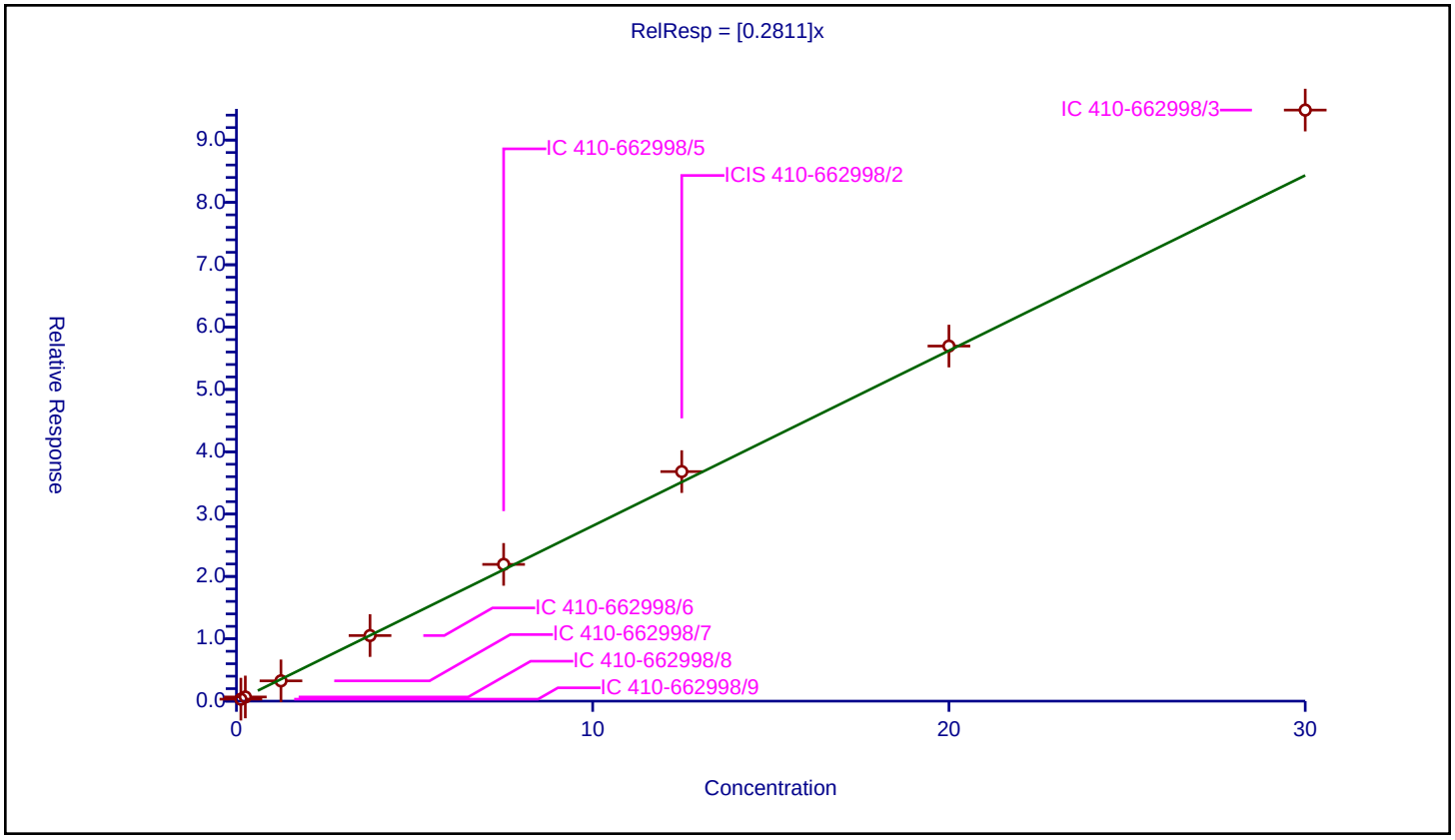
Curve Coefficients

Intercept:	0
Slope:	0.2811

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.031617	5.0	585122.0	0.252939	Y
2	IC 410-662998/8	0.25	0.066849	5.0	594545.0	0.267398	Y
3	IC 410-662998/7	1.25	0.325386	5.0	572121.0	0.260309	Y
4	IC 410-662998/6	3.75	1.051932	5.0	622502.0	0.280515	Y
5	IC 410-662998/5	7.5	2.193536	5.0	591465.0	0.292472	Y
6	ICIS 410-662998/2	12.5	3.682	5.0	653513.0	0.29456	Y
7	IC 410-662998/4	20.0	5.69536	5.0	618298.0	0.284768	Y
8	IC 410-662998/3	30.0	9.481025	5.0	580674.0	0.316034	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

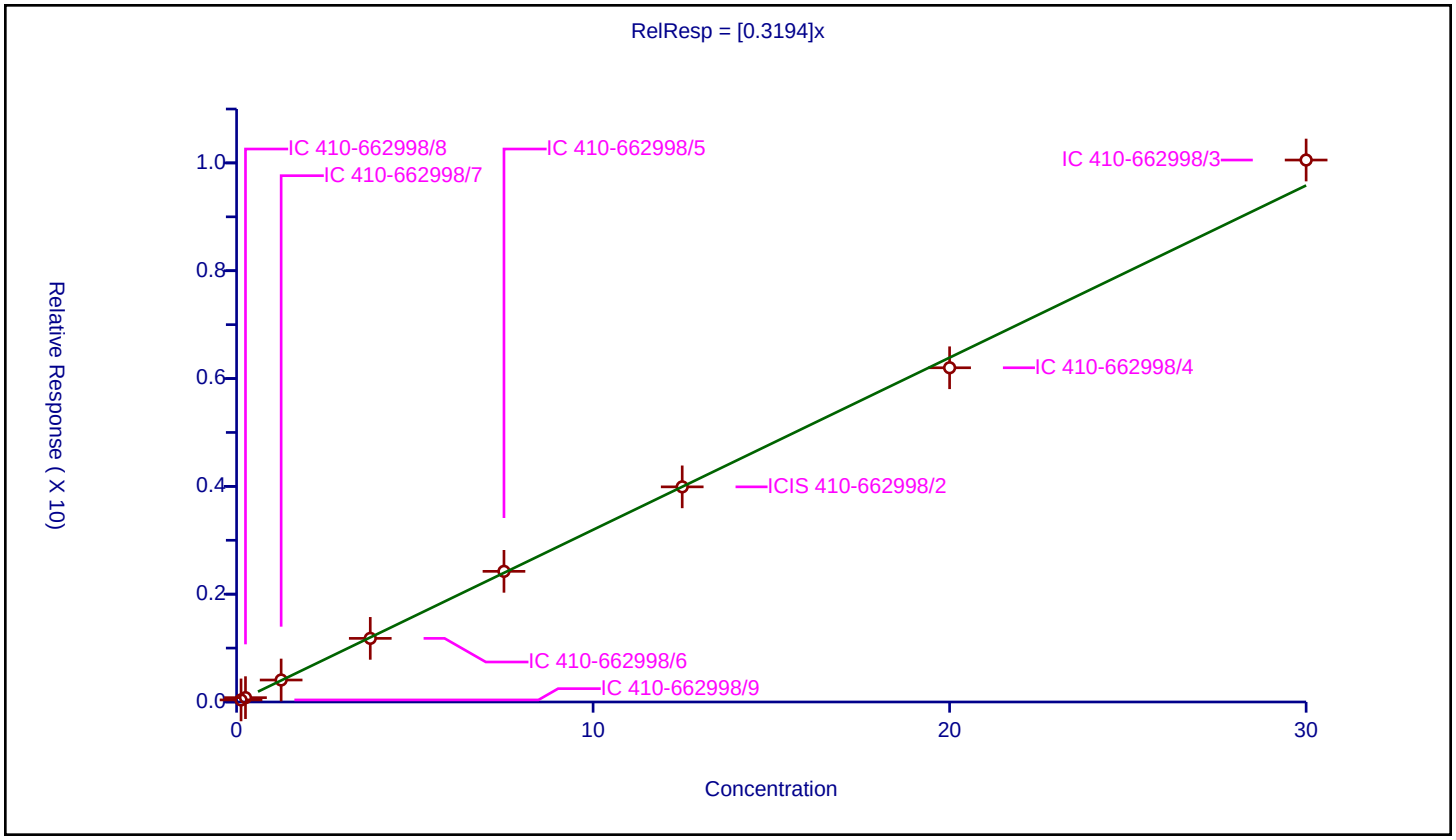
Curve Coefficients

Intercept:	0
Slope:	0.3194

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.03812	5.0	585122.0	0.304962	Y
2	IC 410-662998/8	0.25	0.080406	5.0	594545.0	0.321624	Y
3	IC 410-662998/7	1.25	0.408087	5.0	572121.0	0.326469	Y
4	IC 410-662998/6	3.75	1.180044	5.0	622502.0	0.314679	Y
5	IC 410-662998/5	7.5	2.423635	5.0	591465.0	0.323151	Y
6	ICIS 410-662998/2	12.5	3.990747	5.0	653513.0	0.31926	Y
7	IC 410-662998/4	20.0	6.200335	5.0	618298.0	0.310017	Y
8	IC 410-662998/3	30.0	10.053593	5.0	580674.0	0.33512	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

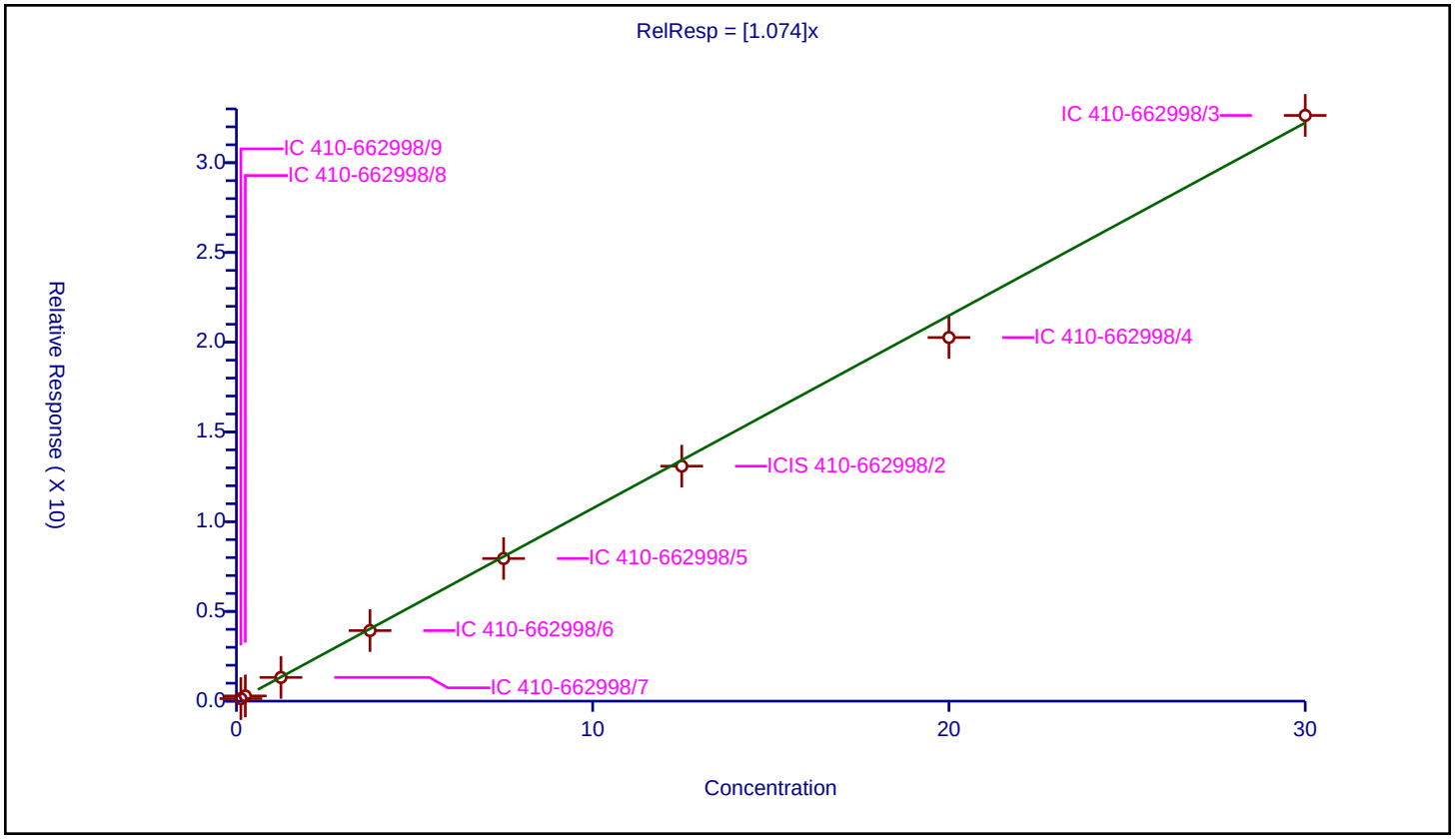
Curve Coefficients

Intercept:	0
Slope:	1.074

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.139851	5.0	585122.0	1.118809	Y
2	IC 410-662998/8	0.25	0.290129	5.0	594545.0	1.160518	Y
3	IC 410-662998/7	1.25	1.321801	5.0	572121.0	1.057441	Y
4	IC 410-662998/6	3.75	3.931754	5.0	622502.0	1.048468	Y
5	IC 410-662998/5	7.5	7.94741	5.0	591465.0	1.059655	Y
6	ICIS 410-662998/2	12.5	13.093519	5.0	653513.0	1.047482	Y
7	IC 410-662998/4	20.0	20.260853	5.0	618298.0	1.013043	Y
8	IC 410-662998/3	30.0	32.636324	5.0	580674.0	1.087877	Y



Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

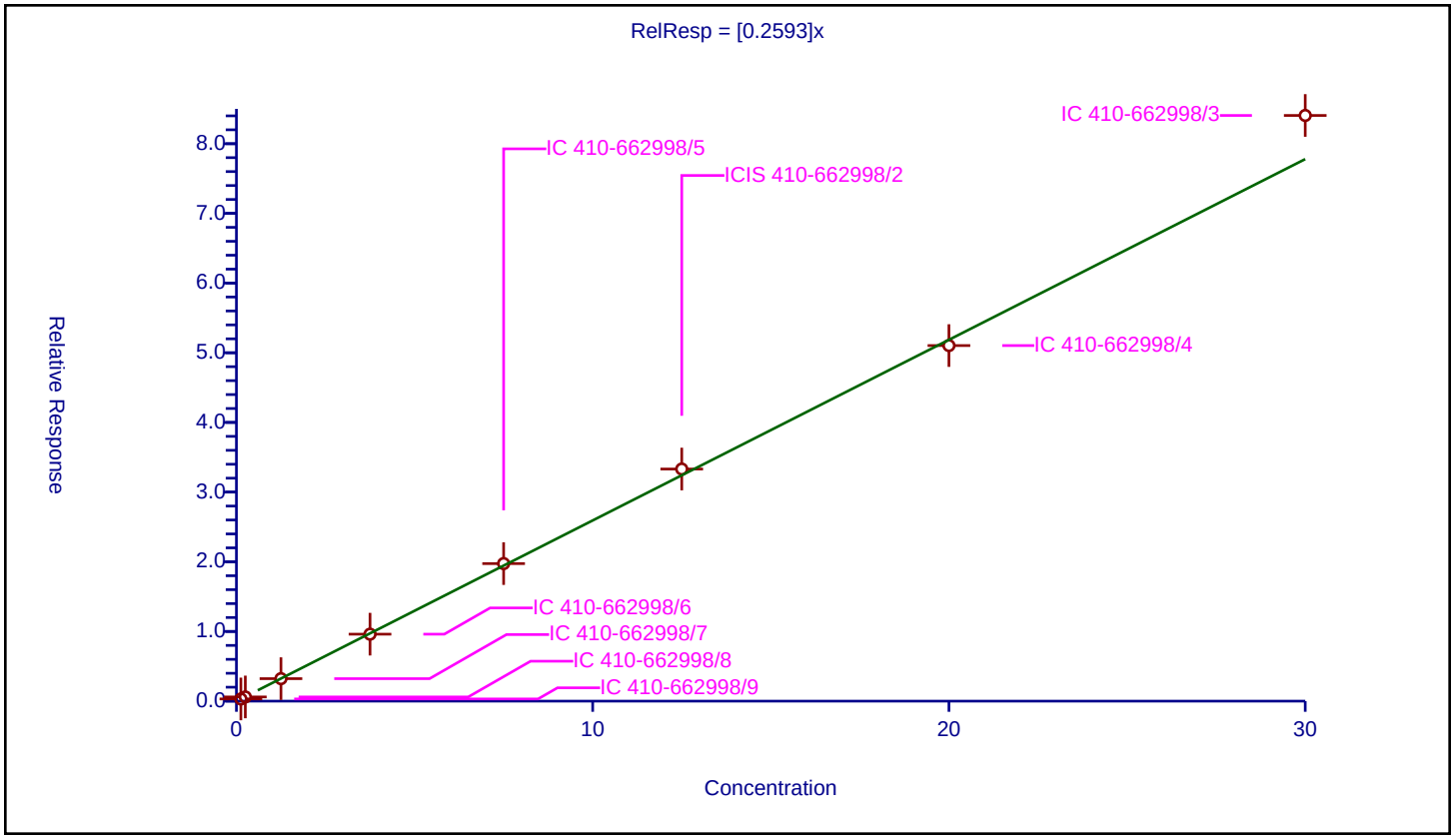
Curve Coefficients

Intercept:	0
Slope:	0.2593

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.031711	5.0	585122.0	0.253691	Y
2	IC 410-662998/8	0.25	0.060281	5.0	594545.0	0.241126	Y
3	IC 410-662998/7	1.25	0.322781	5.0	572121.0	0.258225	Y
4	IC 410-662998/6	3.75	0.961089	5.0	622502.0	0.25629	Y
5	IC 410-662998/5	7.5	1.974217	5.0	591465.0	0.263229	Y
6	ICIS 410-662998/2	12.5	3.331143	5.0	653513.0	0.266491	Y
7	IC 410-662998/4	20.0	5.103267	5.0	618298.0	0.255163	Y
8	IC 410-662998/3	30.0	8.405482	5.0	580674.0	0.280183	Y



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Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

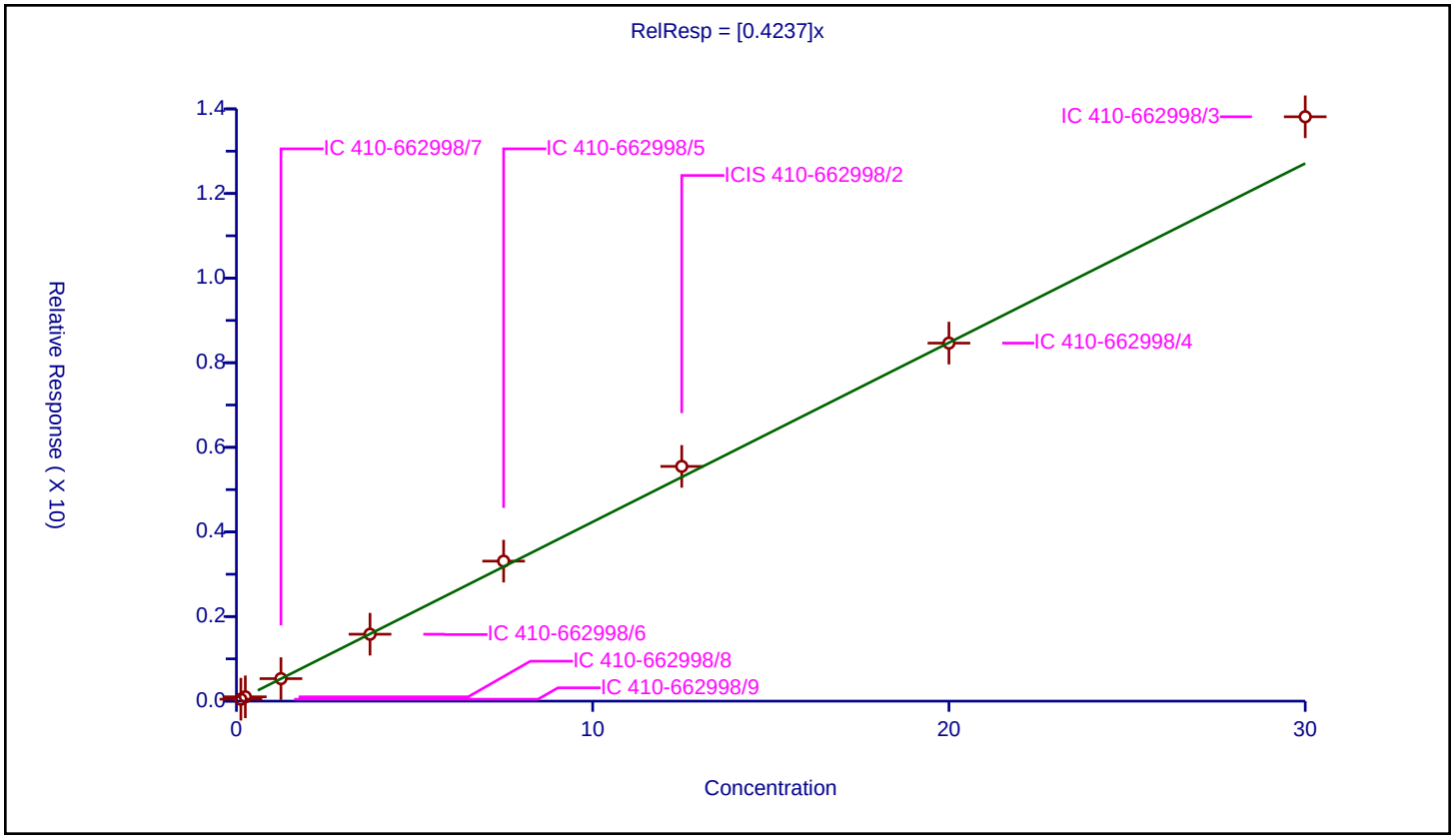
Curve Coefficients

Intercept:	0
Slope:	0.4237

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.045452	5.0	585122.0	0.363616	Y
2	IC 410-662998/8	0.25	0.102448	5.0	594545.0	0.409792	Y
3	IC 410-662998/7	1.25	0.531933	5.0	572121.0	0.425546	Y
4	IC 410-662998/6	3.75	1.58173	5.0	622502.0	0.421795	Y
5	IC 410-662998/5	7.5	3.309672	5.0	591465.0	0.44129	Y
6	ICIS 410-662998/2	12.5	5.548658	5.0	653513.0	0.443893	Y
7	IC 410-662998/4	20.0	8.463419	5.0	618298.0	0.423171	Y
8	IC 410-662998/3	30.0	13.813844	5.0	580674.0	0.460461	Y



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Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

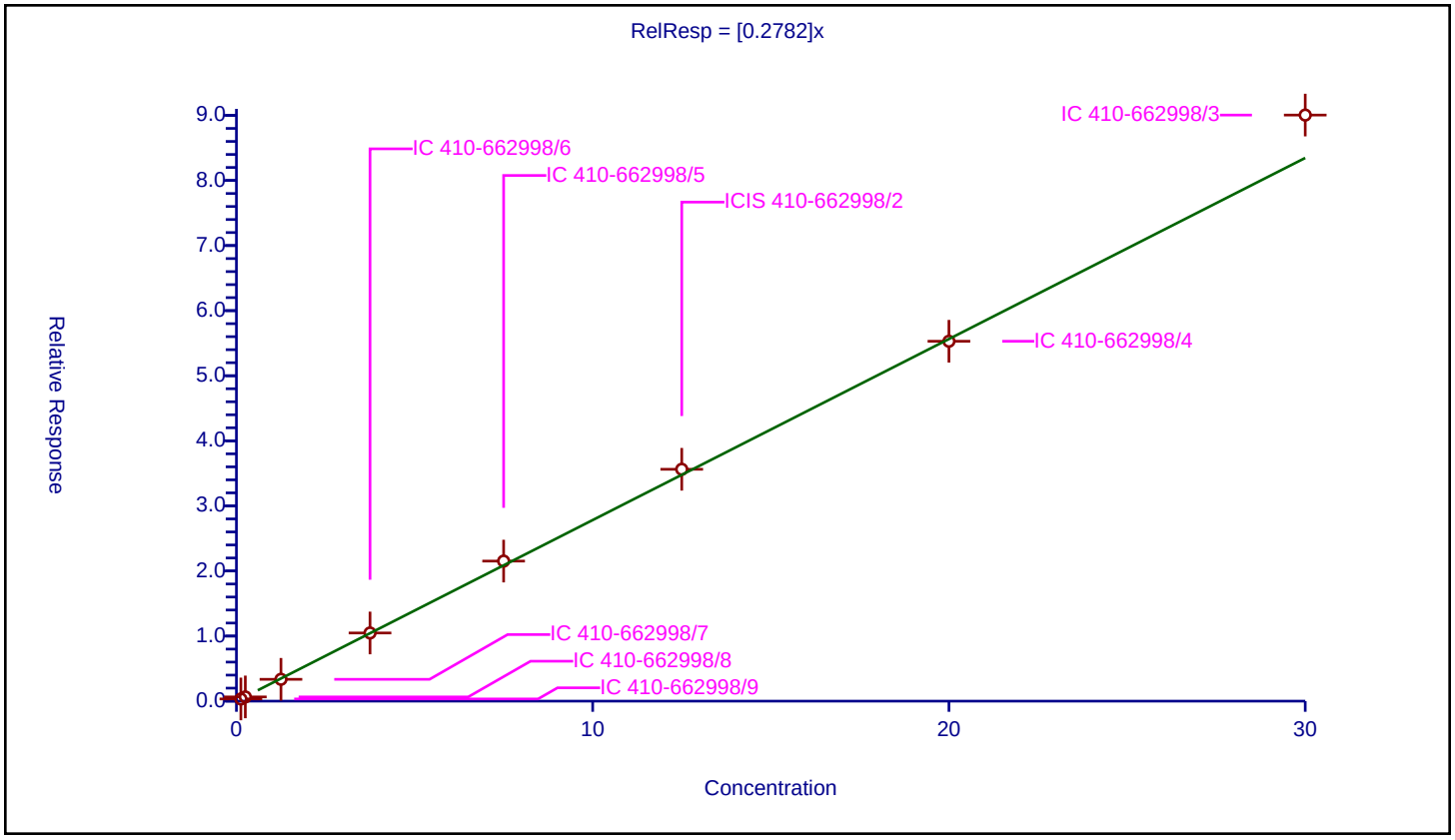
Curve Coefficients

Intercept:	0
Slope:	0.2782

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.033737	5.0	585122.0	0.269892	Y
2	IC 410-662998/8	0.25	0.06489	5.0	594545.0	0.25956	Y
3	IC 410-662998/7	1.25	0.335375	5.0	572121.0	0.2683	Y
4	IC 410-662998/6	3.75	1.047515	5.0	622502.0	0.279337	Y
5	IC 410-662998/5	7.5	2.152029	5.0	591465.0	0.286937	Y
6	ICIS 410-662998/2	12.5	3.562561	5.0	653513.0	0.285005	Y
7	IC 410-662998/4	20.0	5.529817	5.0	618298.0	0.276491	Y
8	IC 410-662998/3	30.0	9.005061	5.0	580674.0	0.300169	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

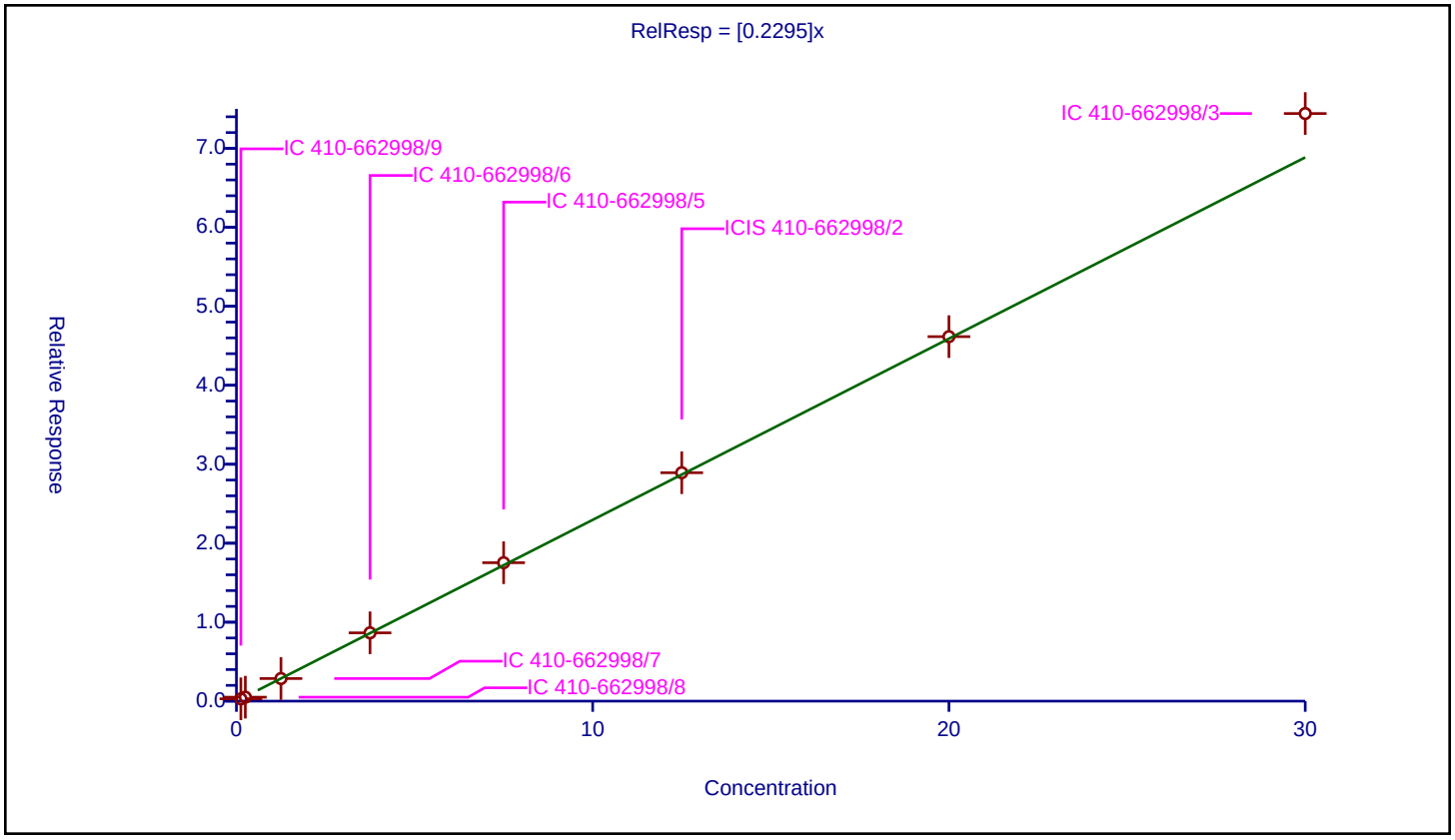
Curve Coefficients

Intercept:	0
Slope:	0.2295

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.029079	5.0	585122.0	0.232635	Y
2	IC 410-662998/8	0.25	0.050021	5.0	594545.0	0.200086	Y
3	IC 410-662998/7	1.25	0.286085	5.0	572121.0	0.228868	Y
4	IC 410-662998/6	3.75	0.864913	5.0	622502.0	0.230643	Y
5	IC 410-662998/5	7.5	1.753155	5.0	591465.0	0.233754	Y
6	ICIS 410-662998/2	12.5	2.89272	5.0	653513.0	0.231418	Y
7	IC 410-662998/4	20.0	4.6158	5.0	618298.0	0.23079	Y
8	IC 410-662998/3	30.0	7.441378	5.0	580674.0	0.248046	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

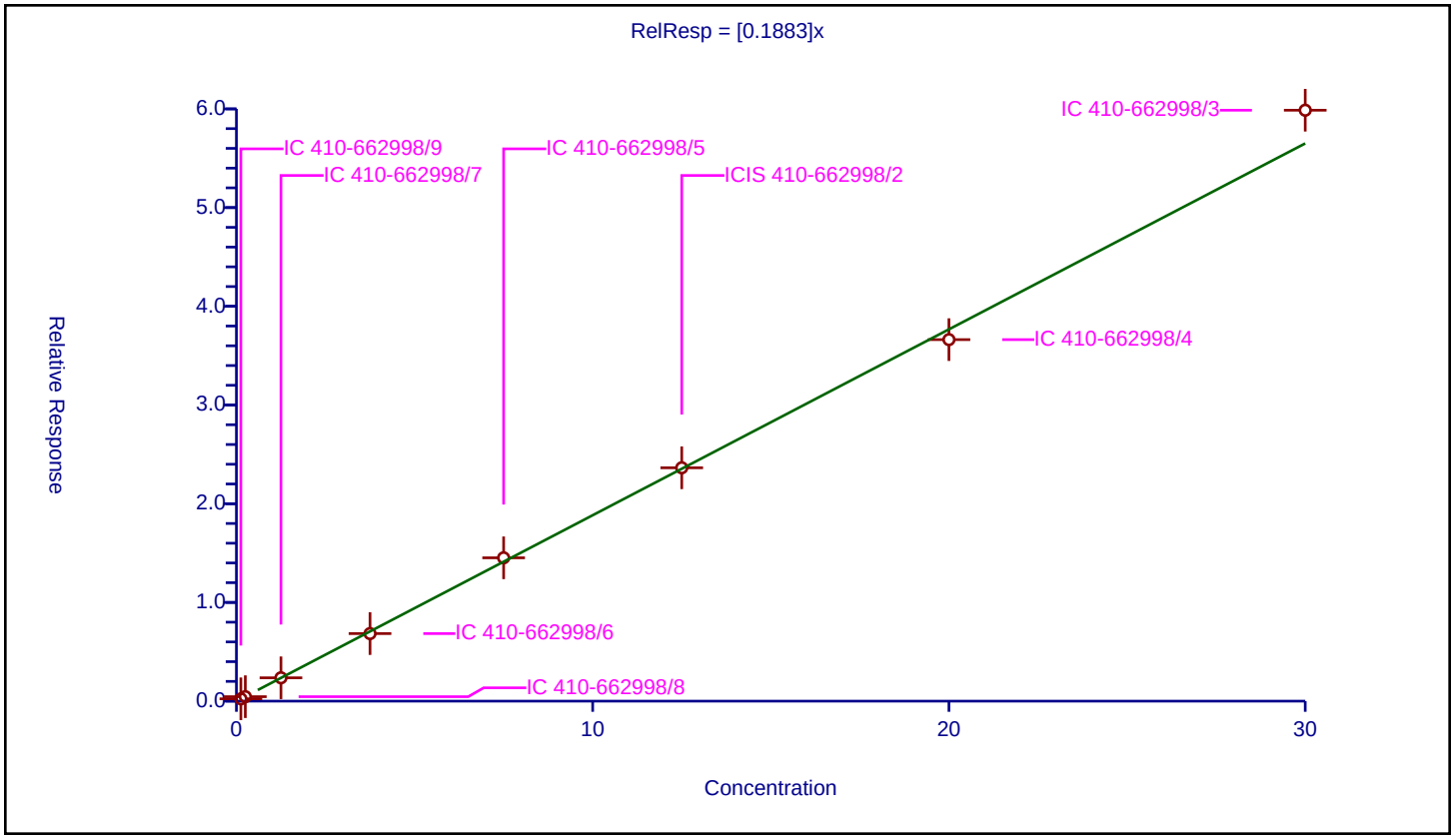
Curve Coefficients

Intercept:	0
Slope:	0.1883

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.023636	5.0	585122.0	0.189089	Y
2	IC 410-662998/8	0.25	0.045102	5.0	594545.0	0.180407	Y
3	IC 410-662998/7	1.25	0.236585	5.0	572121.0	0.189268	Y
4	IC 410-662998/6	3.75	0.684424	5.0	622502.0	0.182513	Y
5	IC 410-662998/5	7.5	1.45214	5.0	591465.0	0.193619	Y
6	ICIS 410-662998/2	12.5	2.364176	5.0	653513.0	0.189134	Y
7	IC 410-662998/4	20.0	3.662587	5.0	618298.0	0.183129	Y
8	IC 410-662998/3	30.0	5.986457	5.0	580674.0	0.199549	Y



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Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

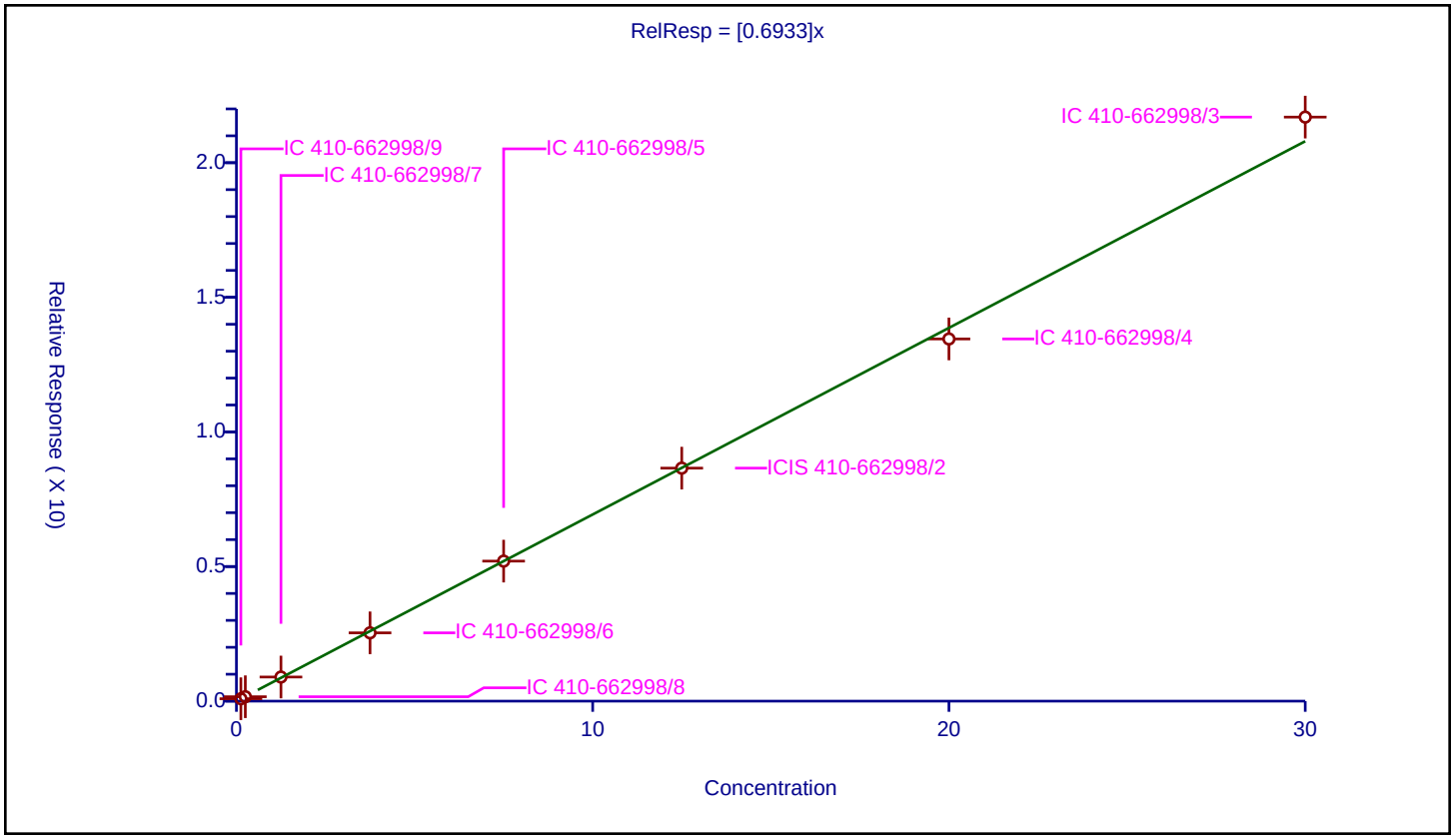
Curve Coefficients

Intercept:	0
Slope:	0.6933

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.089571	5.0	585122.0	0.716569	Y
2	IC 410-662998/8	0.25	0.163671	5.0	594545.0	0.654686	Y
3	IC 410-662998/7	1.25	0.895763	5.0	572121.0	0.716611	Y
4	IC 410-662998/6	3.75	2.537004	5.0	622502.0	0.676534	Y
5	IC 410-662998/5	7.5	5.201348	5.0	591465.0	0.693513	Y
6	ICIS 410-662998/2	12.5	8.655574	5.0	653513.0	0.692446	Y
7	IC 410-662998/4	20.0	13.454119	5.0	618298.0	0.672706	Y
8	IC 410-662998/3	30.0	21.695297	5.0	580674.0	0.723177	Y



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Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

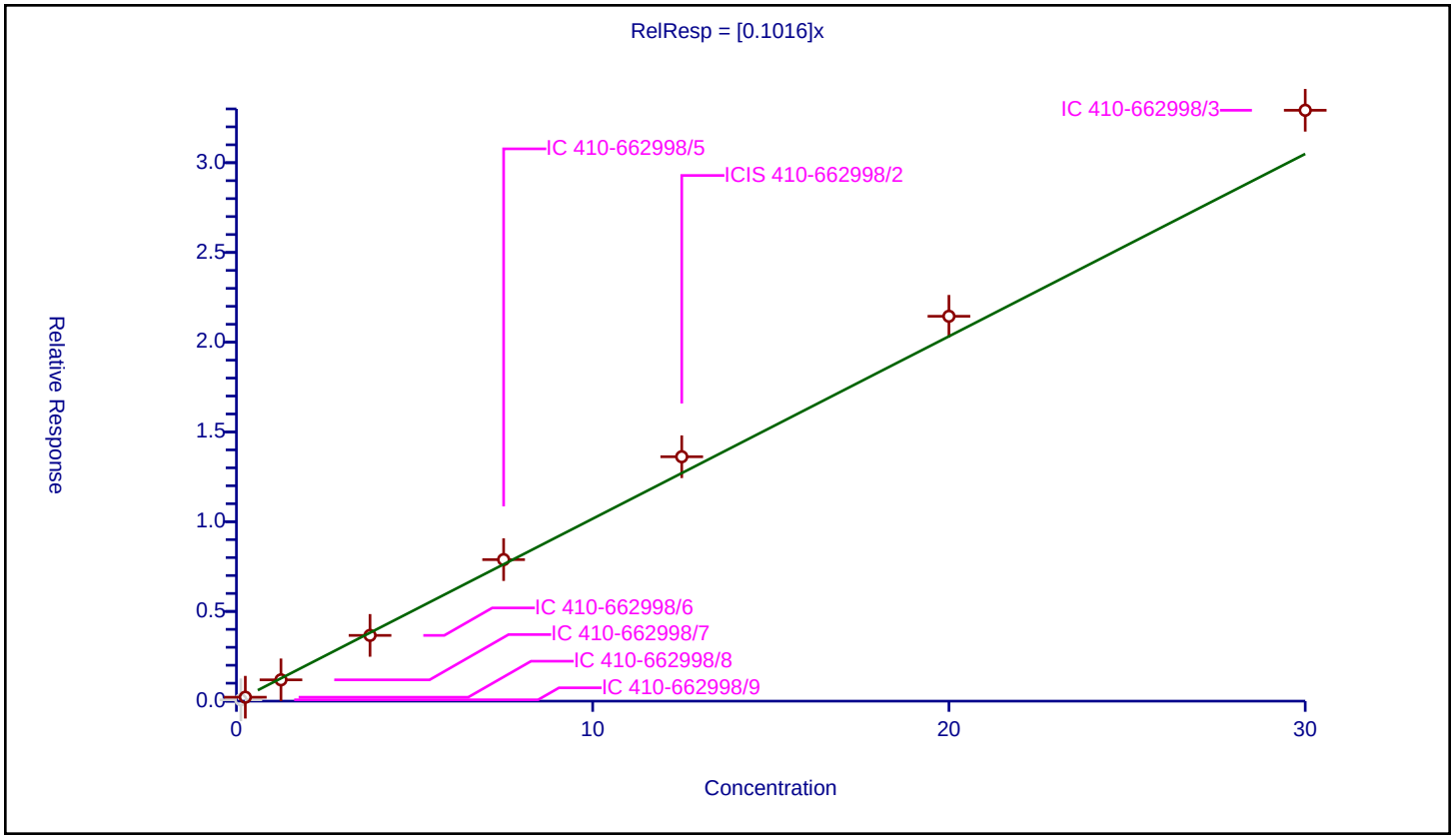
Curve Coefficients

Intercept:	0
Slope:	0.1016

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.007511	5.0	585122.0	0.06009	N
2	IC 410-662998/8	0.25	0.021941	5.0	594545.0	0.087765	Y
3	IC 410-662998/7	1.25	0.118699	5.0	572121.0	0.094959	Y
4	IC 410-662998/6	3.75	0.3664	5.0	622502.0	0.097707	Y
5	IC 410-662998/5	7.5	0.788618	5.0	591465.0	0.105149	Y
6	ICIS 410-662998/2	12.5	1.361779	5.0	653513.0	0.108942	Y
7	IC 410-662998/4	20.0	2.144476	5.0	618298.0	0.107224	Y
8	IC 410-662998/3	30.0	3.292295	5.0	580674.0	0.109743	Y



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Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

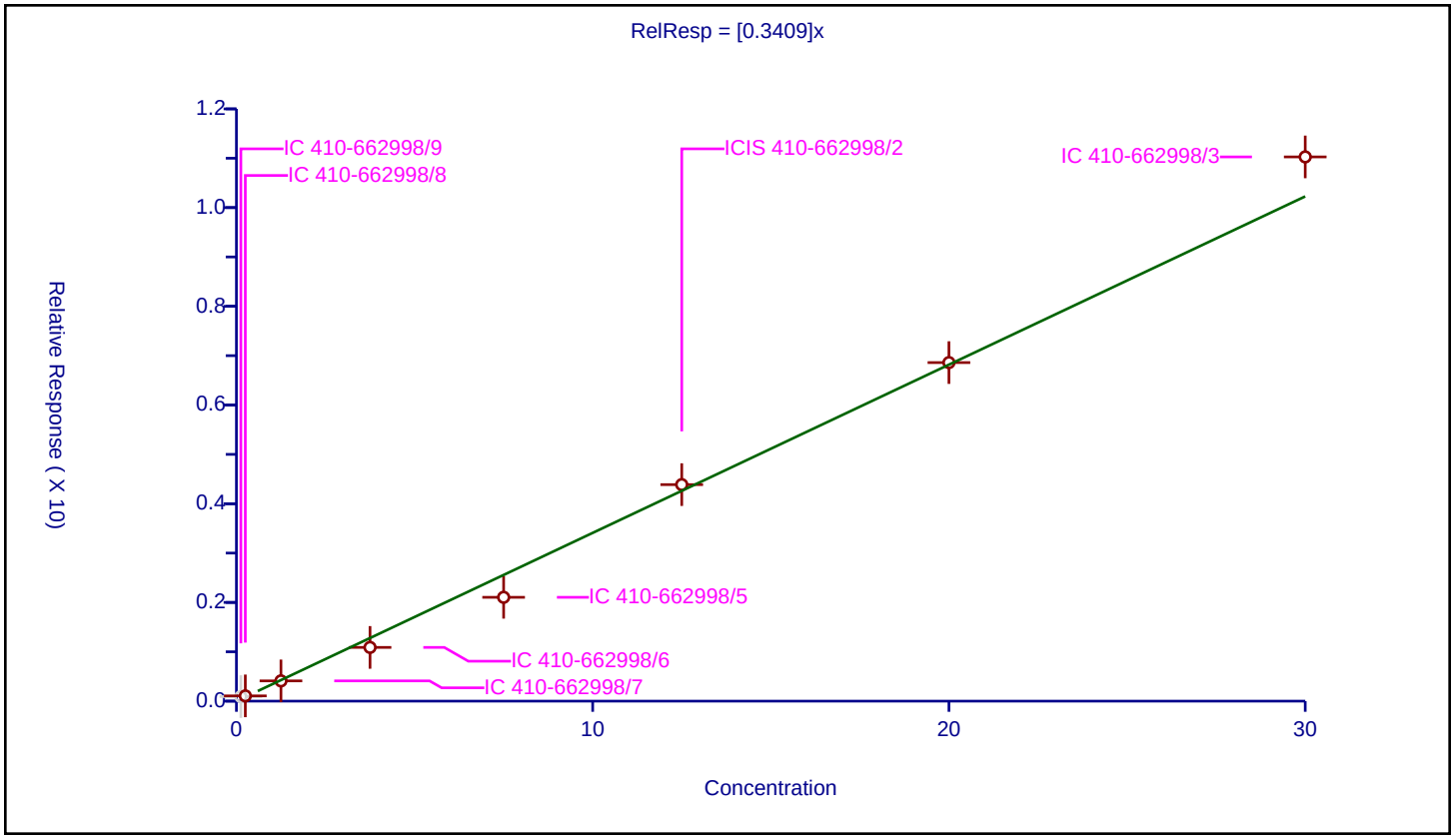
Curve Coefficients

Intercept:	0
Slope:	0.3409

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.091887	5.0	585122.0	0.735095	N
2	IC 410-662998/8	0.25	0.106325	5.0	594545.0	0.4253	Y
3	IC 410-662998/7	1.25	0.410665	5.0	572121.0	0.328532	Y
4	IC 410-662998/6	3.75	1.088527	5.0	622502.0	0.290274	Y
5	IC 410-662998/5	7.5	2.104038	5.0	591465.0	0.280538	Y
6	ICIS 410-662998/2	12.5	4.387174	5.0	653513.0	0.350974	Y
7	IC 410-662998/4	20.0	6.859807	5.0	618298.0	0.34299	Y
8	IC 410-662998/3	30.0	11.027237	5.0	580674.0	0.367575	Y



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Calibration / p-Phenylene diamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

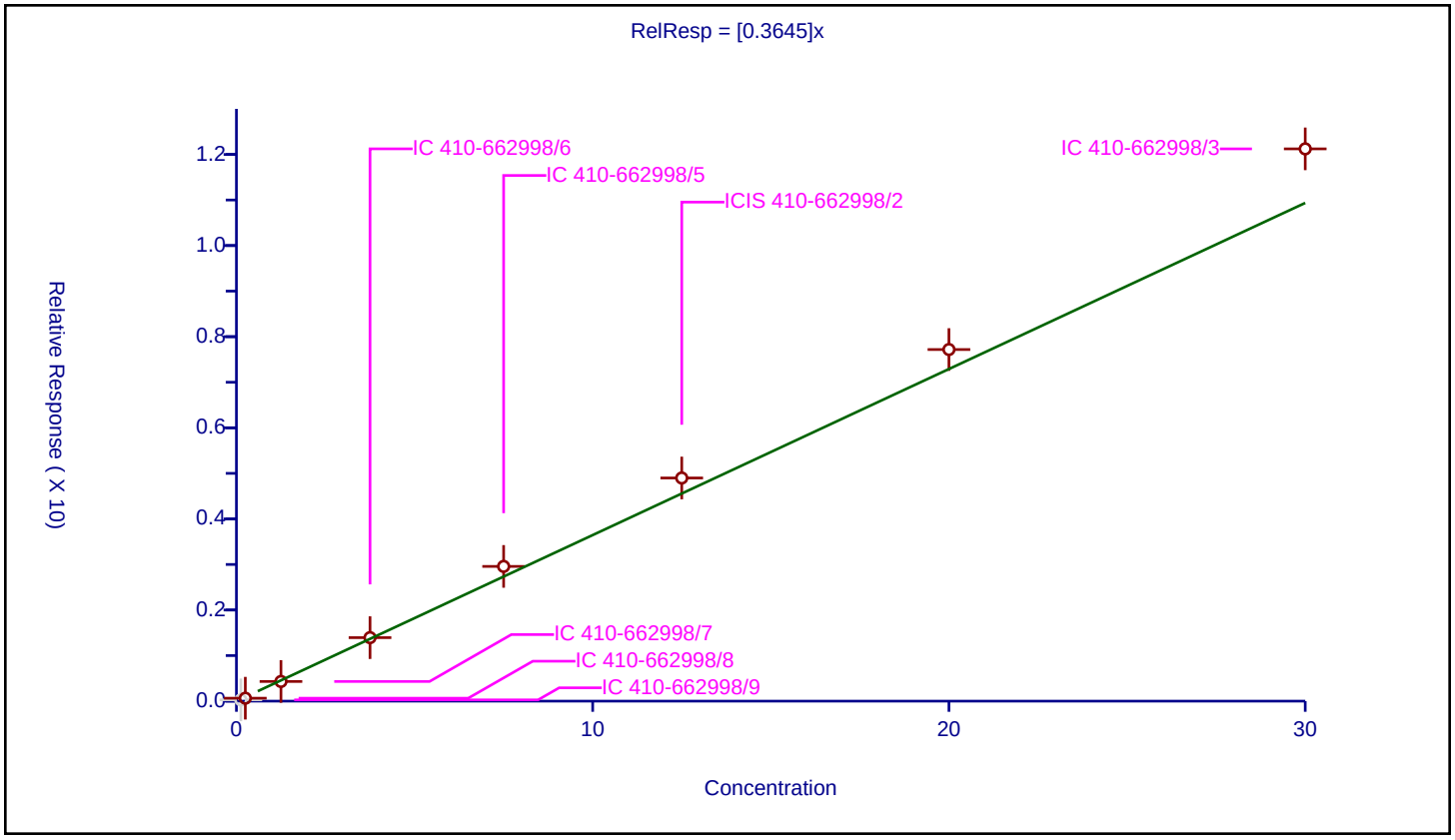
Curve Coefficients

Intercept:	0
Slope:	0.3645

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.027892	5.0	585122.0	0.223133	N
2	IC 410-662998/8	0.25	0.064545	5.0	594545.0	0.258181	Y
3	IC 410-662998/7	1.25	0.432015	5.0	572121.0	0.345612	Y
4	IC 410-662998/6	3.75	1.393779	5.0	622502.0	0.371674	Y
5	IC 410-662998/5	7.5	2.957512	5.0	591465.0	0.394335	Y
6	ICIS 410-662998/2	12.5	4.898173	5.0	653513.0	0.391854	Y
7	IC 410-662998/4	20.0	7.71818	5.0	618298.0	0.385909	Y
8	IC 410-662998/3	30.0	12.122232	5.0	580674.0	0.404074	Y



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Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

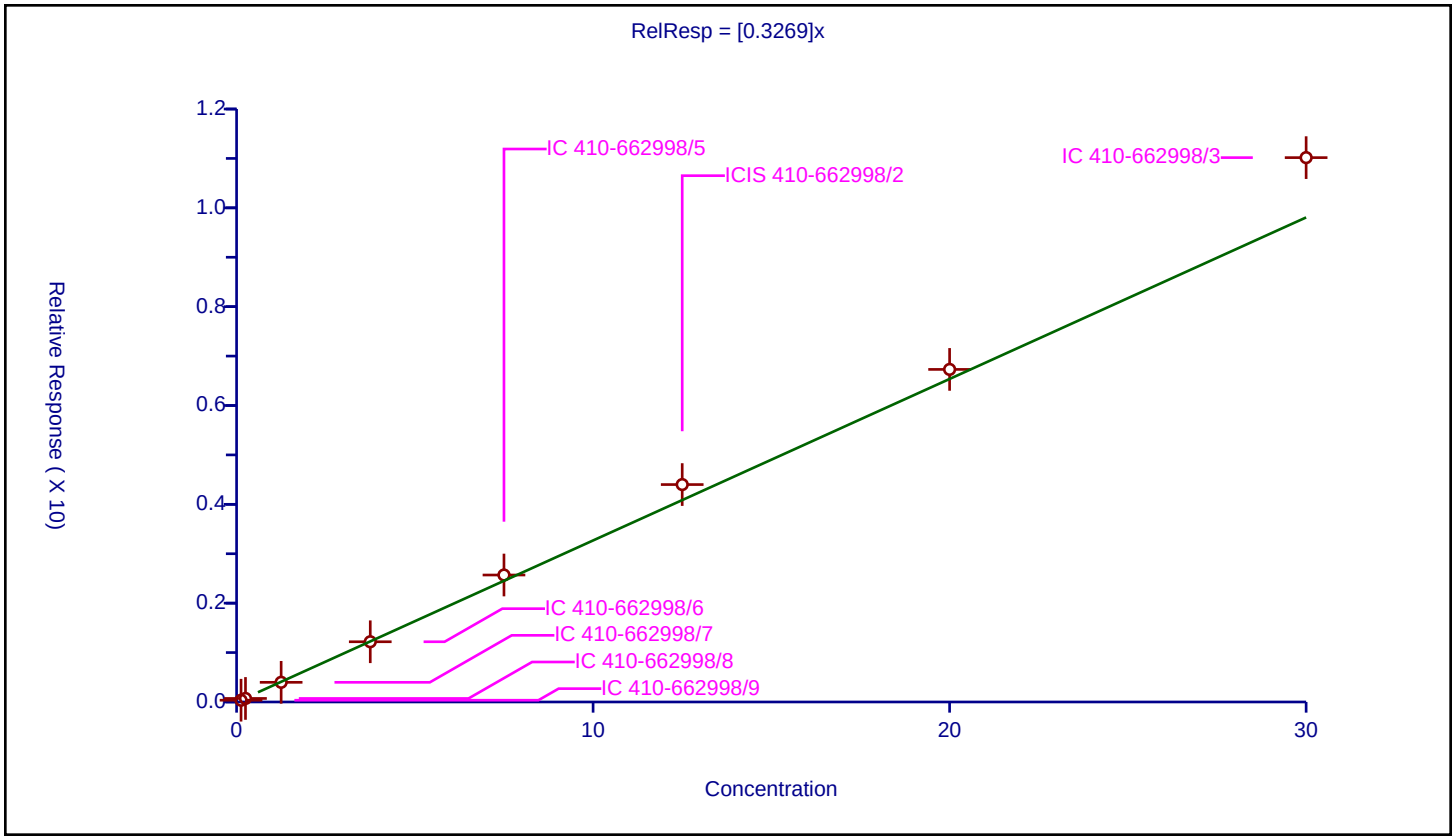
Curve Coefficients

Intercept:	0
Slope:	0.3269

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.035753	5.0	585122.0	0.286026	Y
2	IC 410-662998/8	0.25	0.071736	5.0	594545.0	0.286942	Y
3	IC 410-662998/7	1.25	0.398237	5.0	572121.0	0.31859	Y
4	IC 410-662998/6	3.75	1.218904	5.0	622502.0	0.325041	Y
5	IC 410-662998/5	7.5	2.569577	5.0	591465.0	0.34261	Y
6	ICIS 410-662998/2	12.5	4.399912	5.0	653513.0	0.351993	Y
7	IC 410-662998/4	20.0	6.730315	5.0	618298.0	0.336516	Y
8	IC 410-662998/3	30.0	11.016267	5.0	580674.0	0.367209	Y



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Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

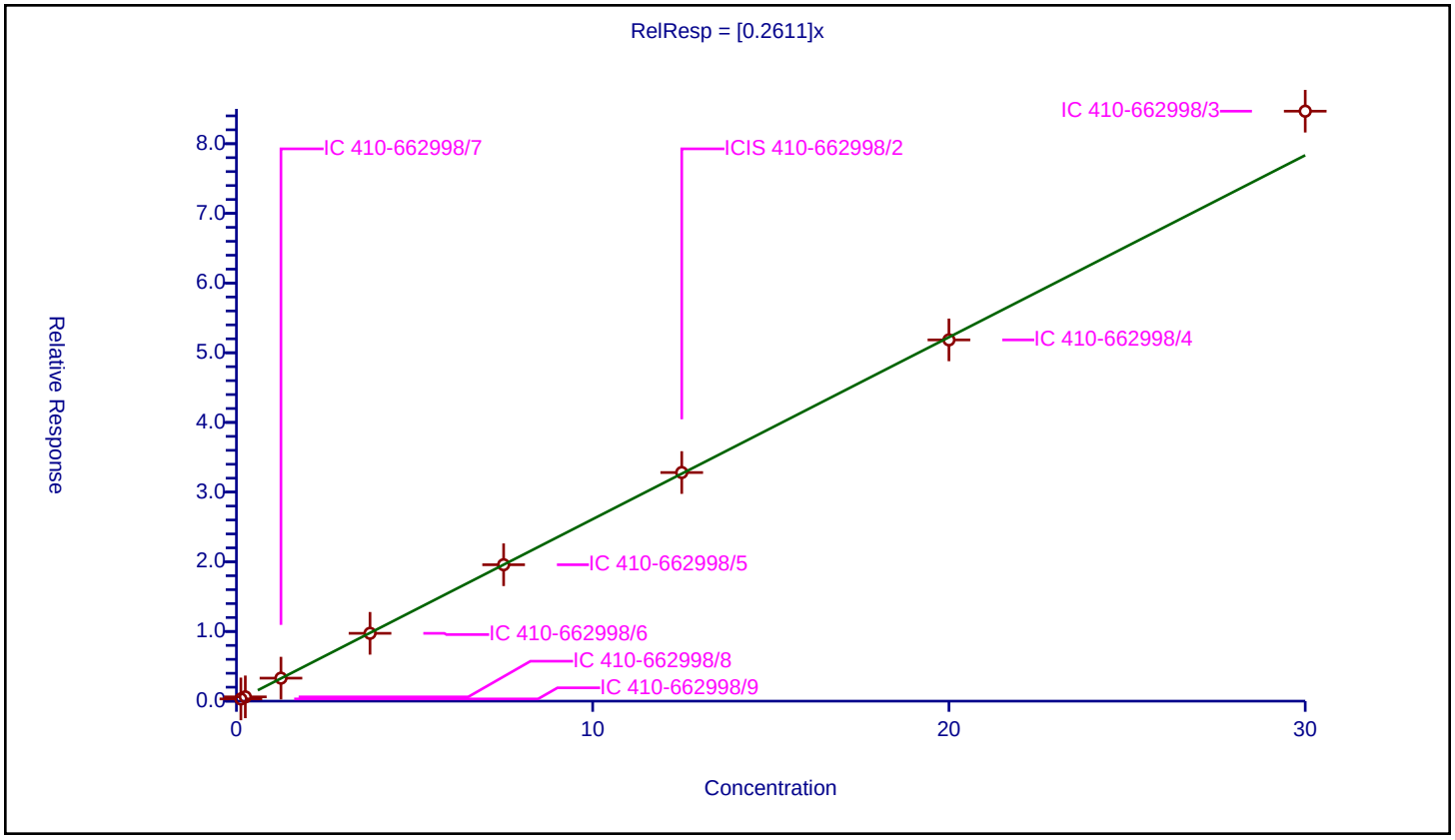
Curve Coefficients

Intercept:	0
Slope:	0.2611

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.031814	5.0	585122.0	0.254511	Y
2	IC 410-662998/8	0.25	0.061526	5.0	594545.0	0.246104	Y
3	IC 410-662998/7	1.25	0.329921	5.0	572121.0	0.263937	Y
4	IC 410-662998/6	3.75	0.973547	5.0	622502.0	0.259613	Y
5	IC 410-662998/5	7.5	1.957783	5.0	591465.0	0.261038	Y
6	ICIS 410-662998/2	12.5	3.28122	5.0	653513.0	0.262498	Y
7	IC 410-662998/4	20.0	5.184878	5.0	618298.0	0.259244	Y
8	IC 410-662998/3	30.0	8.467126	5.0	580674.0	0.282238	Y



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Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

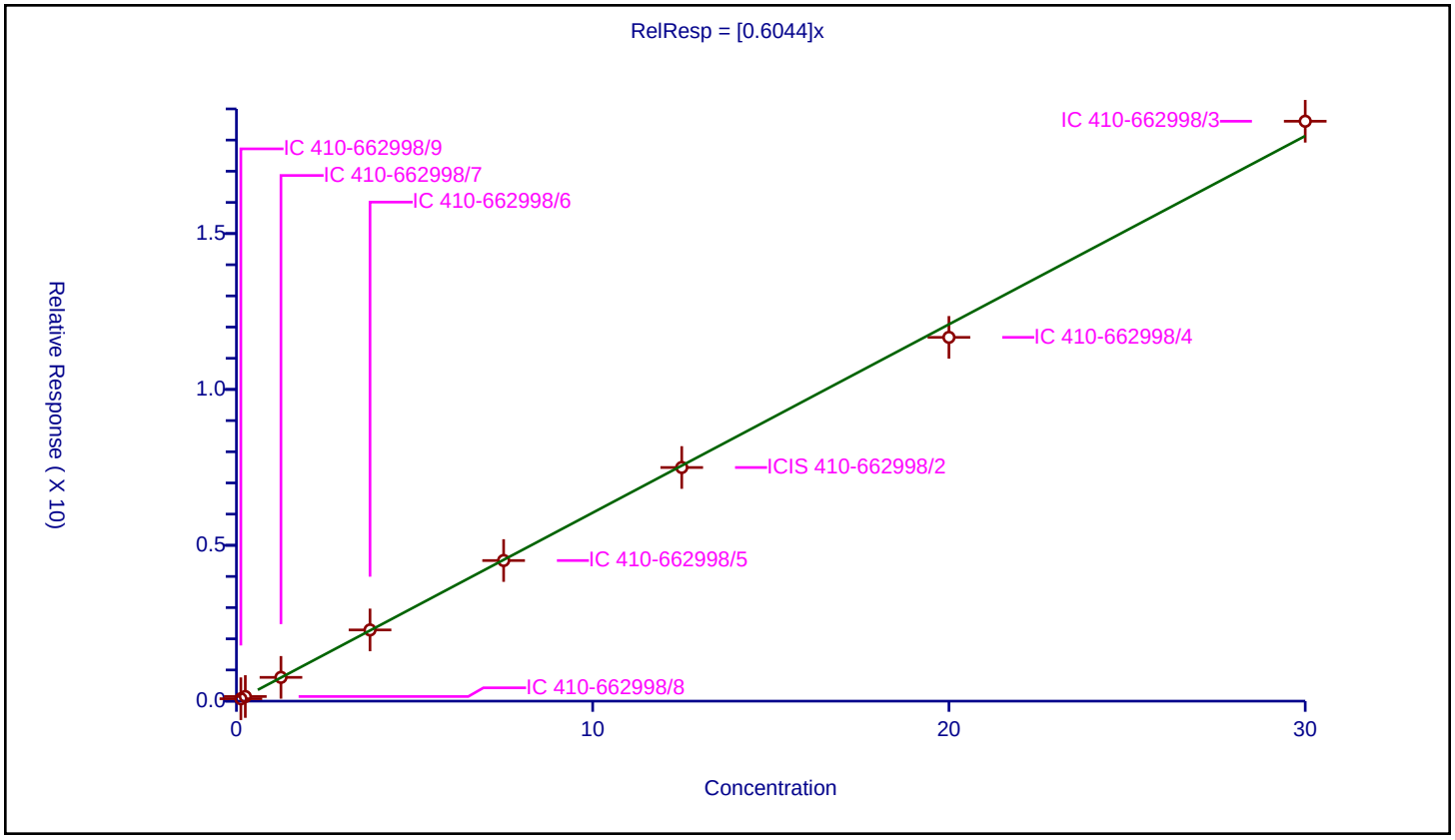
Curve Coefficients

Intercept:	0
Slope:	0.6044

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.07742	5.0	585122.0	0.619358	Y
2	IC 410-662998/8	0.25	0.147903	5.0	594545.0	0.591612	Y
3	IC 410-662998/7	1.25	0.762959	5.0	572121.0	0.610367	Y
4	IC 410-662998/6	3.75	2.284234	5.0	622502.0	0.609129	Y
5	IC 410-662998/5	7.5	4.510833	5.0	591465.0	0.601444	Y
6	ICIS 410-662998/2	12.5	7.495298	5.0	653513.0	0.599624	Y
7	IC 410-662998/4	20.0	11.670651	5.0	618298.0	0.583533	Y
8	IC 410-662998/3	30.0	18.603588	5.0	580674.0	0.62012	Y



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Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

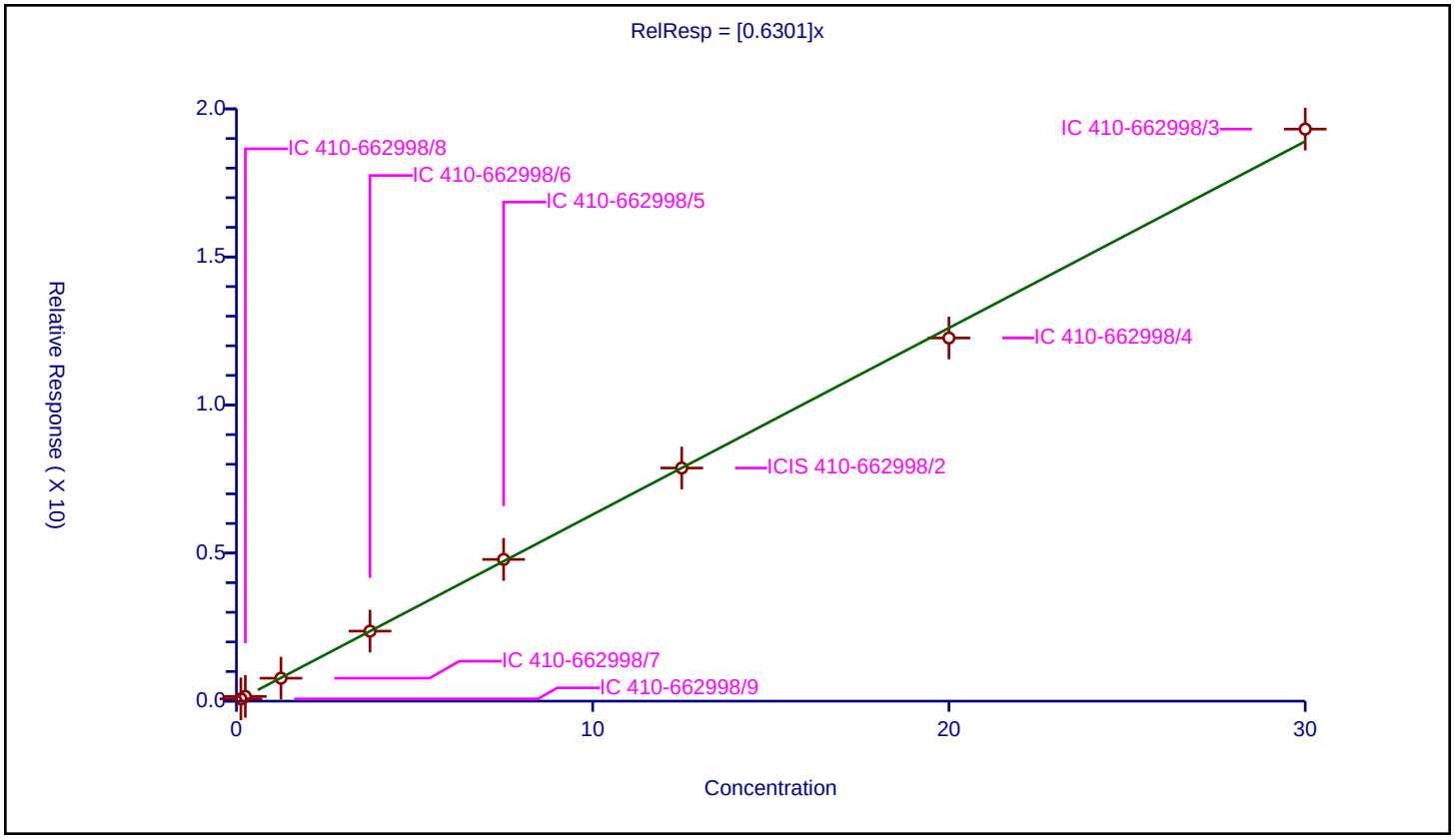
Curve Coefficients

Intercept:	0
Slope:	0.6301

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.078129	5.0	585122.0	0.625032	Y
2	IC 410-662998/8	0.25	0.160072	5.0	594545.0	0.640288	Y
3	IC 410-662998/7	1.25	0.774609	5.0	572121.0	0.619687	Y
4	IC 410-662998/6	3.75	2.365101	5.0	622502.0	0.630694	Y
5	IC 410-662998/5	7.5	4.785981	5.0	591465.0	0.638131	Y
6	ICIS 410-662998/2	12.5	7.873034	5.0	653513.0	0.629843	Y
7	IC 410-662998/4	20.0	12.26314	5.0	618298.0	0.613157	Y
8	IC 410-662998/3	30.0	19.317285	5.0	580674.0	0.643909	Y



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Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

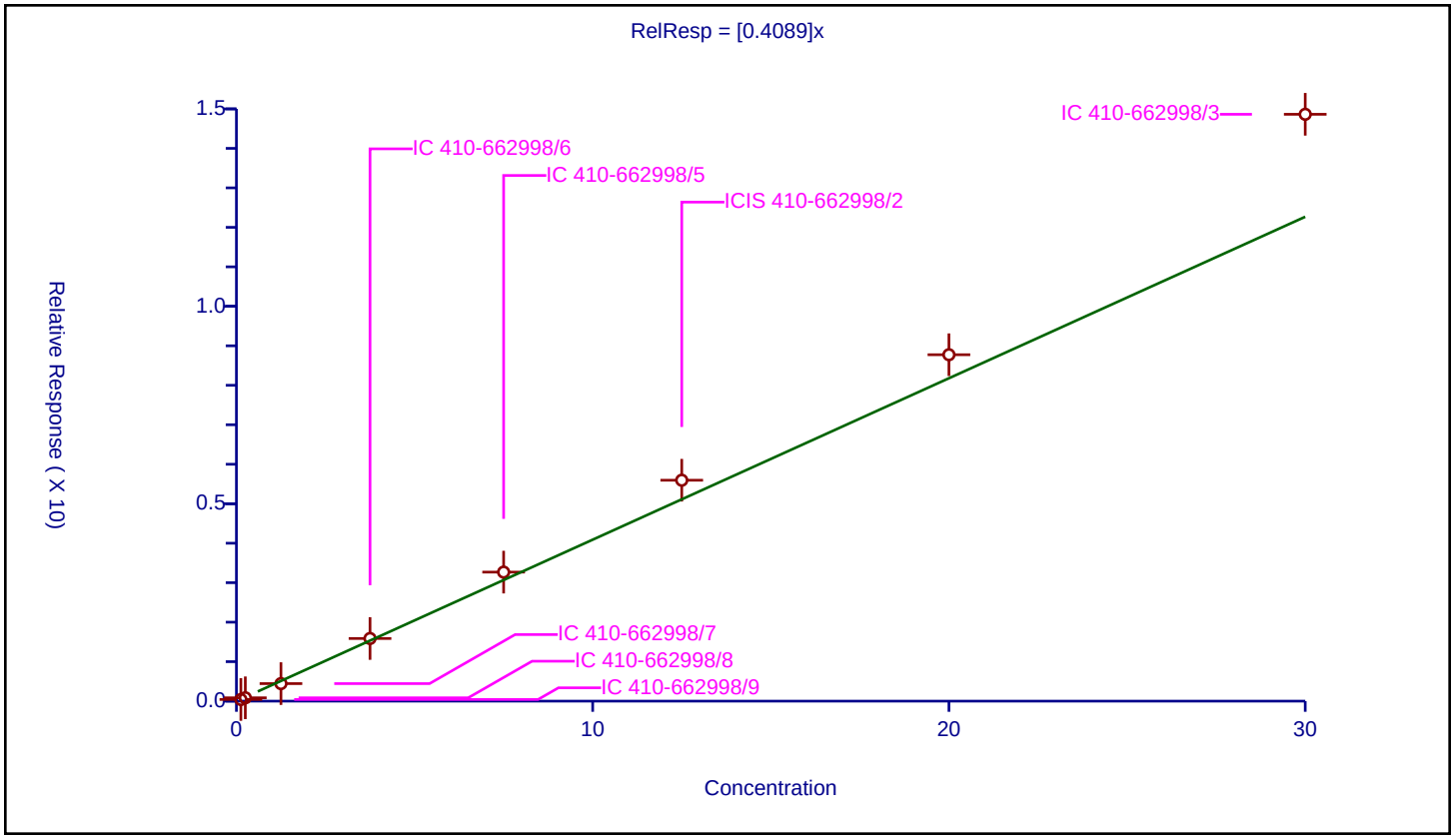
Curve Coefficients

Intercept:	0
Slope:	0.4089

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.041977	5.0	305646.0	0.335813	Y
2	IC 410-662998/8	0.25	0.084896	5.0	309731.0	0.339585	Y
3	IC 410-662998/7	1.25	0.443929	5.0	299113.0	0.355143	Y
4	IC 410-662998/6	3.75	1.586971	5.0	319237.0	0.423192	Y
5	IC 410-662998/5	7.5	3.26809	5.0	312037.0	0.435745	Y
6	ICIS 410-662998/2	12.5	5.595178	5.0	347333.0	0.447614	Y
7	IC 410-662998/4	20.0	8.773803	5.0	334363.0	0.43869	Y
8	IC 410-662998/3	30.0	14.862728	5.0	305415.0	0.495424	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

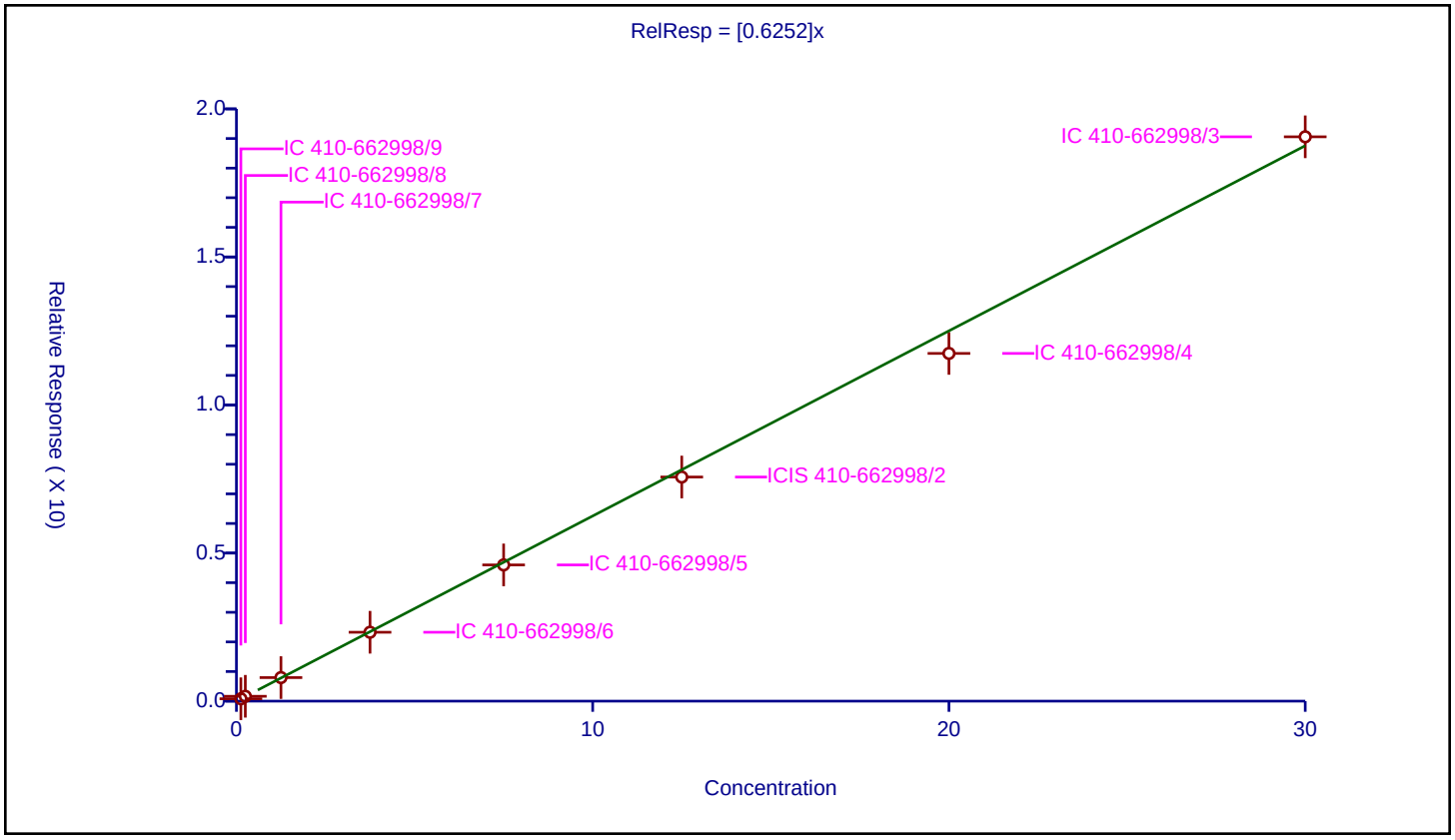
Curve Coefficients

Intercept:	0
Slope:	0.6252

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.080878	5.0	305646.0	0.647023	Y
2	IC 410-662998/8	0.25	0.164094	5.0	309731.0	0.656376	Y
3	IC 410-662998/7	1.25	0.795786	5.0	299113.0	0.636629	Y
4	IC 410-662998/6	3.75	2.326673	5.0	319237.0	0.620446	Y
5	IC 410-662998/5	7.5	4.599743	5.0	312037.0	0.613299	Y
6	ICIS 410-662998/2	12.5	7.568558	5.0	347333.0	0.605485	Y
7	IC 410-662998/4	20.0	11.742343	5.0	334363.0	0.587117	Y
8	IC 410-662998/3	30.0	19.057414	5.0	305415.0	0.635247	Y



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Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

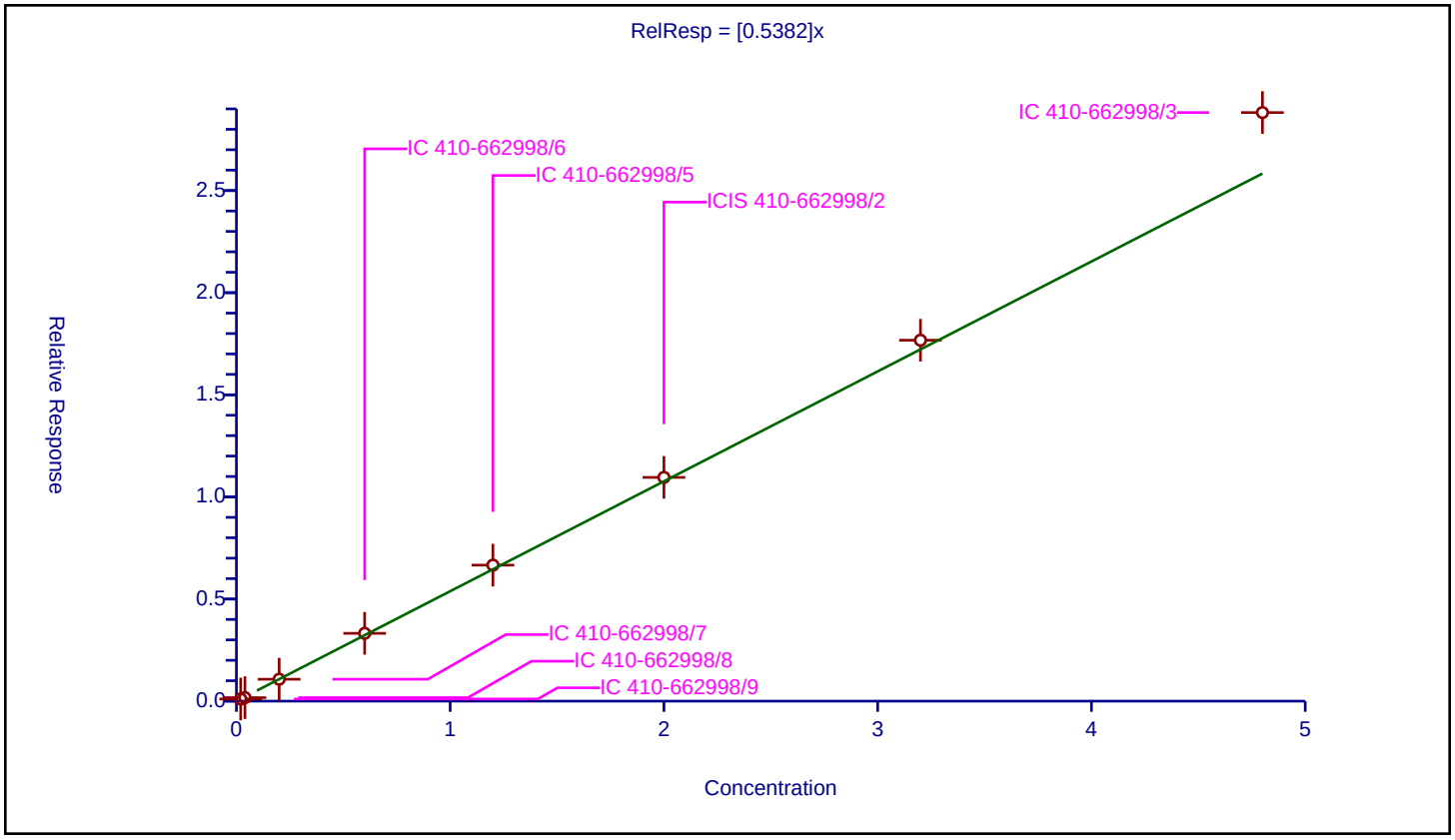
Curve Coefficients

Intercept:	0
Slope:	0.5382

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.02	0.0106	5.0	305646.0	0.530025	Y
2	IC 410-662998/8	0.04	0.017208	5.0	309731.0	0.430212	Y
3	IC 410-662998/7	0.2	0.107301	5.0	299113.0	0.536503	Y
4	IC 410-662998/6	0.6	0.331979	5.0	319237.0	0.553298	Y
5	IC 410-662998/5	1.2	0.665995	5.0	312037.0	0.554996	Y
6	ICIS 410-662998/2	2.0	1.095577	5.0	347333.0	0.547788	Y
7	IC 410-662998/4	3.2	1.767301	5.0	334363.0	0.552282	Y
8	IC 410-662998/3	4.8	2.881997	5.0	305415.0	0.600416	Y



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Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

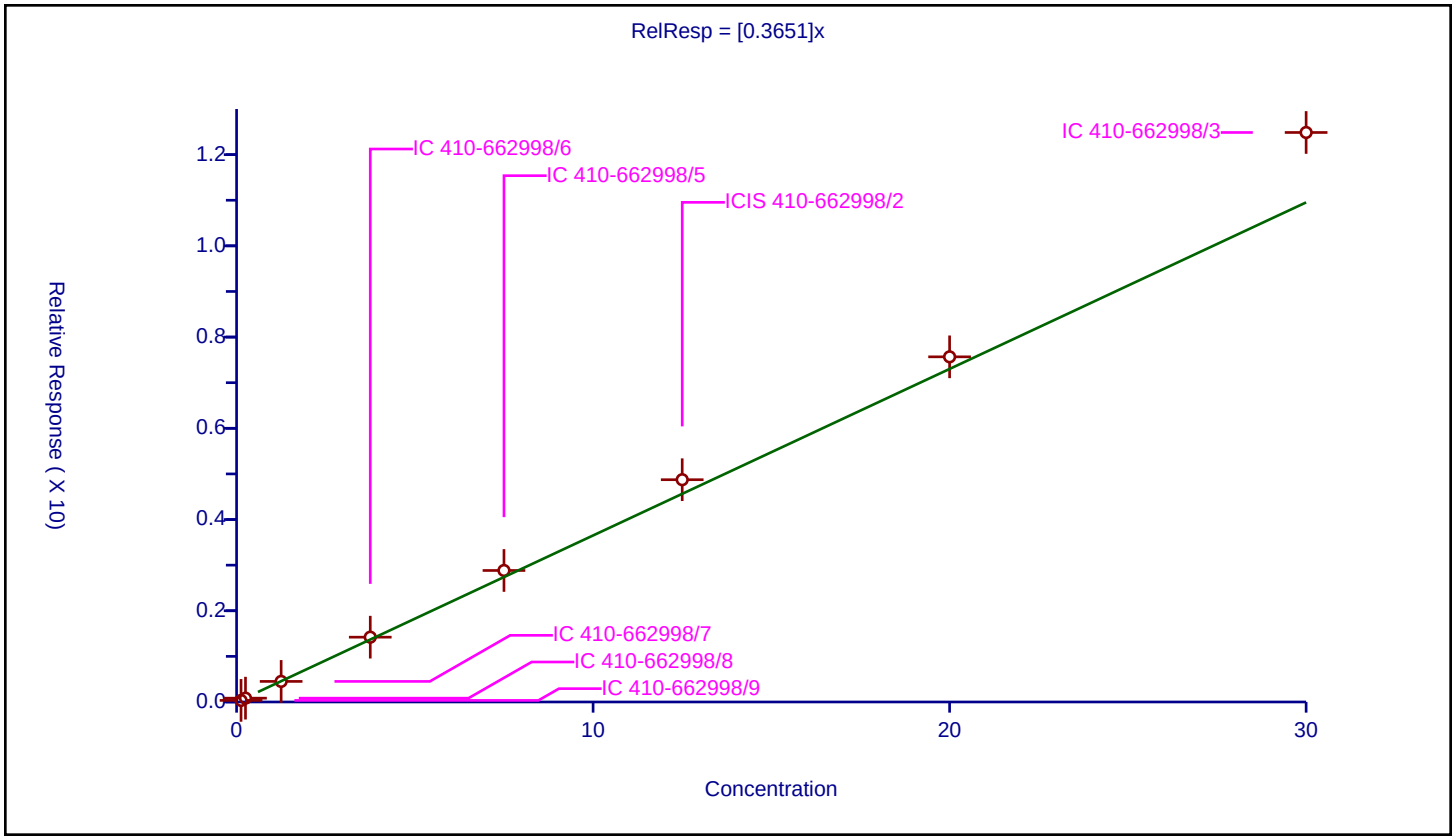
Curve Coefficients

Intercept:	0
Slope:	0.3651

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.034697	5.0	305646.0	0.277576	Y
2	IC 410-662998/8	0.25	0.083686	5.0	309731.0	0.334742	Y
3	IC 410-662998/7	1.25	0.450866	5.0	299113.0	0.360693	Y
4	IC 410-662998/6	3.75	1.420904	5.0	319237.0	0.378908	Y
5	IC 410-662998/5	7.5	2.883088	5.0	312037.0	0.384412	Y
6	ICIS 410-662998/2	12.5	4.87332	5.0	347333.0	0.389866	Y
7	IC 410-662998/4	20.0	7.566851	5.0	334363.0	0.378343	Y
8	IC 410-662998/3	30.0	12.485323	5.0	305415.0	0.416177	Y



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Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

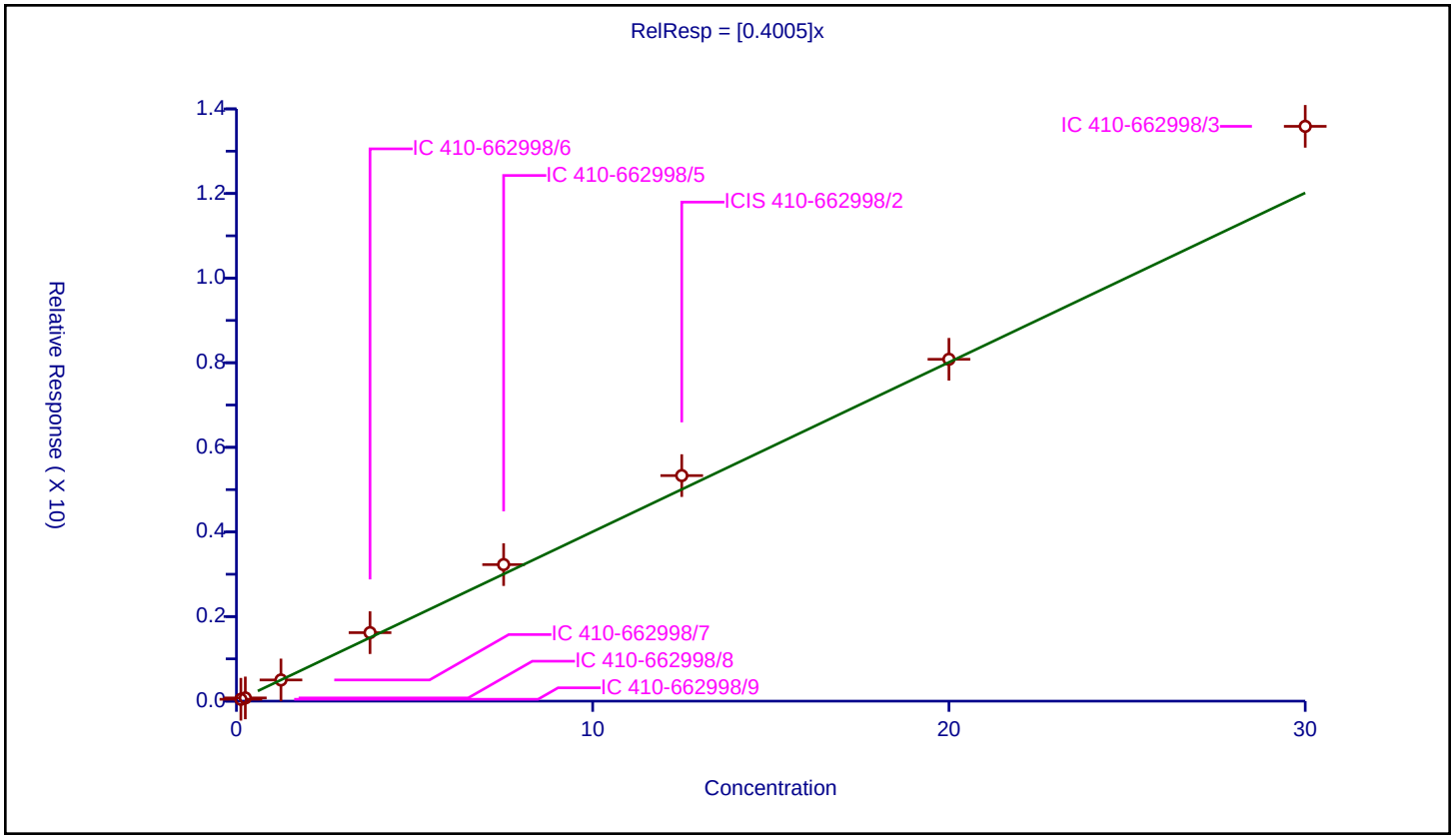
Curve Coefficients

Intercept:	0
Slope:	0.4005

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.044332	5.0	305646.0	0.354659	Y
2	IC 410-662998/8	0.25	0.075808	5.0	309731.0	0.303231	Y
3	IC 410-662998/7	1.25	0.500547	5.0	299113.0	0.400437	Y
4	IC 410-662998/6	3.75	1.618907	5.0	319237.0	0.431709	Y
5	IC 410-662998/5	7.5	3.22747	5.0	312037.0	0.430329	Y
6	ICIS 410-662998/2	12.5	5.331627	5.0	347333.0	0.42653	Y
7	IC 410-662998/4	20.0	8.080948	5.0	334363.0	0.404047	Y
8	IC 410-662998/3	30.0	13.587381	5.0	305415.0	0.452913	Y



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Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

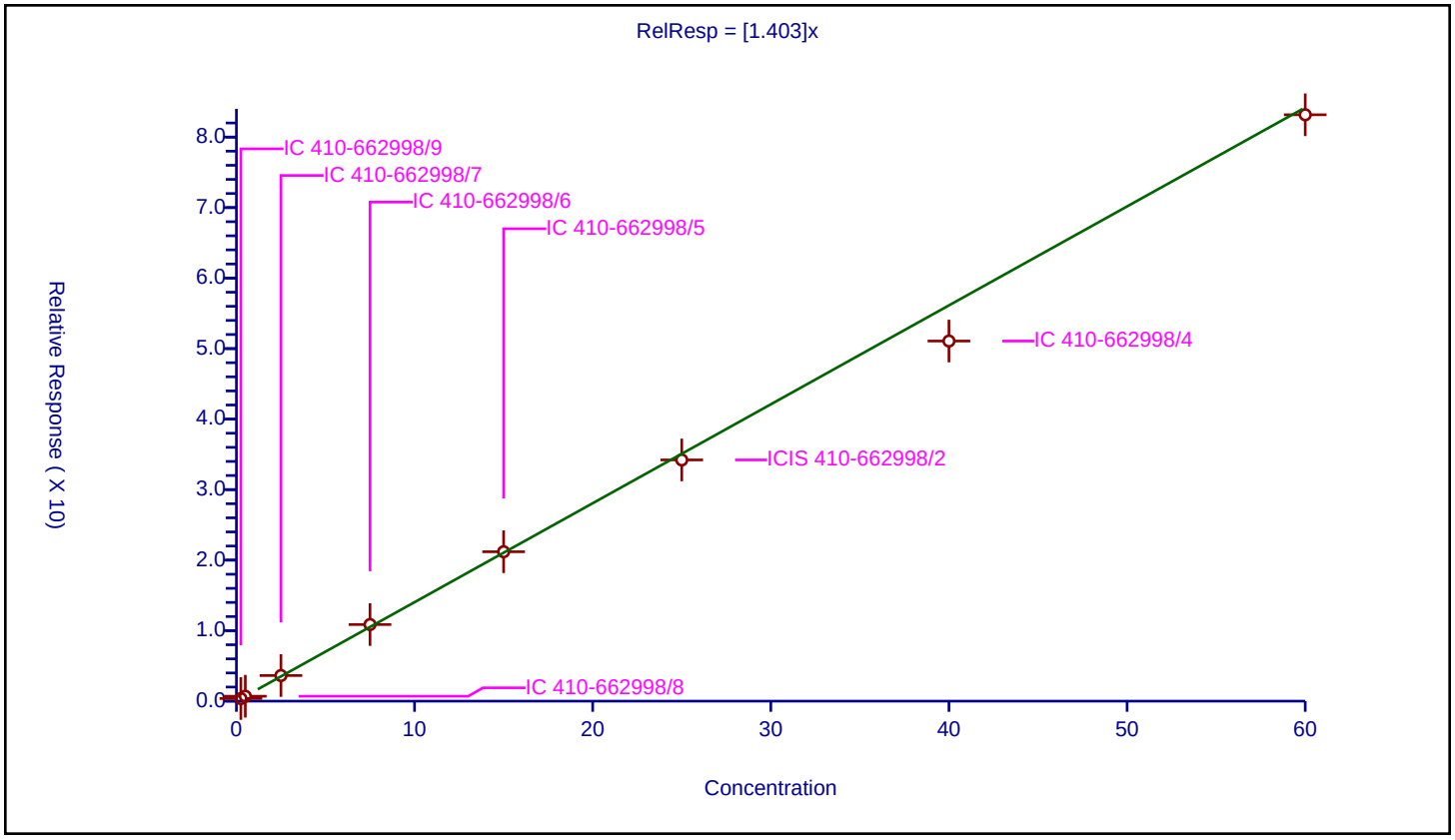
Curve Coefficients

Intercept:	0
Slope:	1.403

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.37159	5.0	305646.0	1.48636	Y
2	IC 410-662998/8	0.5	0.69683	5.0	309731.0	1.393661	Y
3	IC 410-662998/7	2.5	3.633476	5.0	299113.0	1.453391	Y
4	IC 410-662998/6	7.5	10.865486	5.0	319237.0	1.448731	Y
5	IC 410-662998/5	15.0	21.191045	5.0	312037.0	1.412736	Y
6	ICIS 410-662998/2	25.0	34.20985	5.0	347333.0	1.368394	Y
7	IC 410-662998/4	40.0	51.073788	5.0	334363.0	1.276845	Y
8	IC 410-662998/3	60.0	83.165938	5.0	305415.0	1.386099	Y



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Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

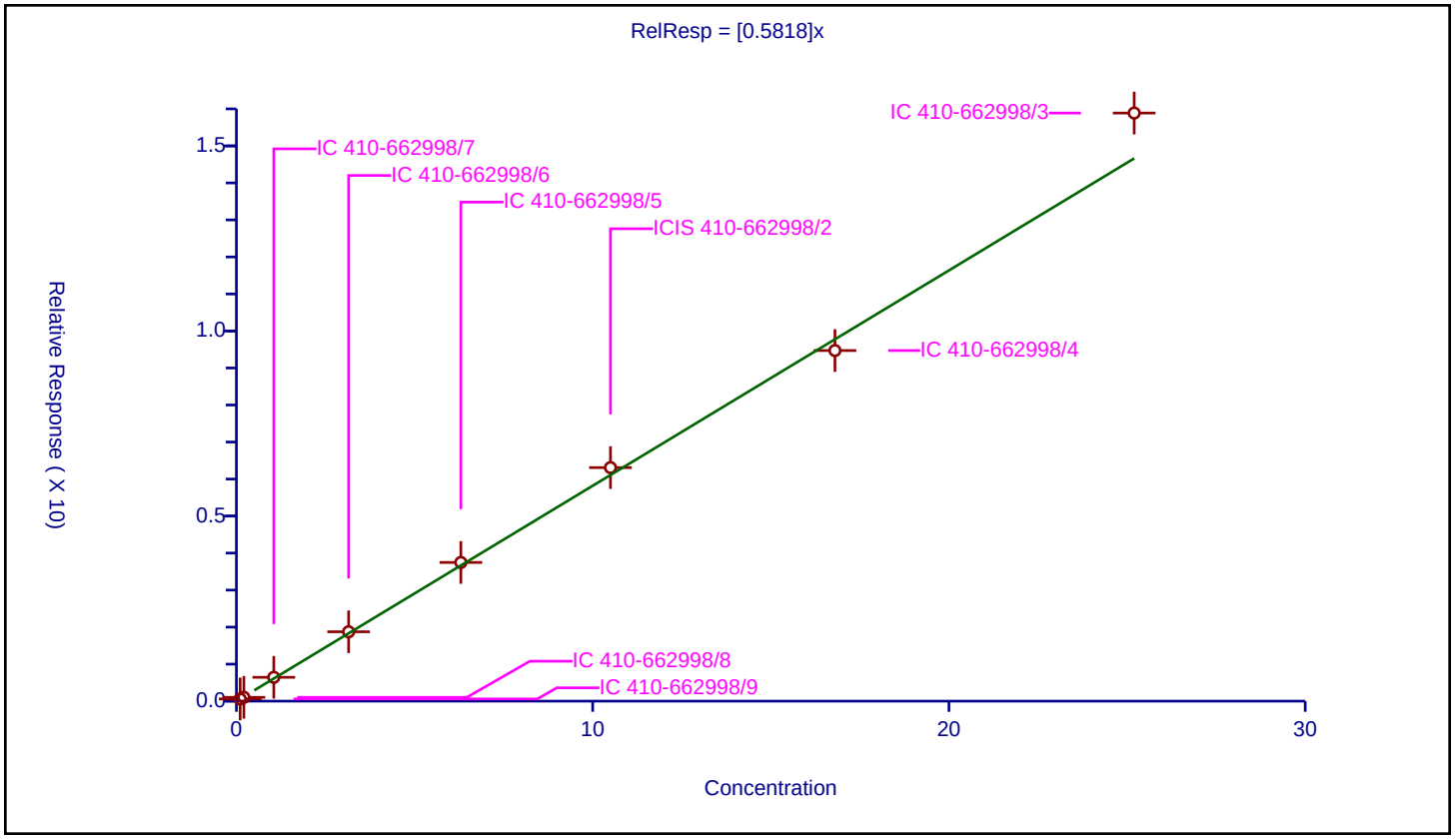
Curve Coefficients

Intercept:	0
Slope:	0.5818

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.105	0.059595	5.0	305646.0	0.567572	Y
2	IC 410-662998/8	0.21	0.102686	5.0	309731.0	0.48898	Y
3	IC 410-662998/7	1.05	0.643921	5.0	299113.0	0.613258	Y
4	IC 410-662998/6	3.15	1.873937	5.0	319237.0	0.594901	Y
5	IC 410-662998/5	6.3	3.746879	5.0	312037.0	0.594743	Y
6	ICIS 410-662998/2	10.5	6.309162	5.0	347333.0	0.600873	Y
7	IC 410-662998/4	16.8	9.471637	5.0	334363.0	0.563788	Y
8	IC 410-662998/3	25.2	15.887956	5.0	305415.0	0.630474	Y



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Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

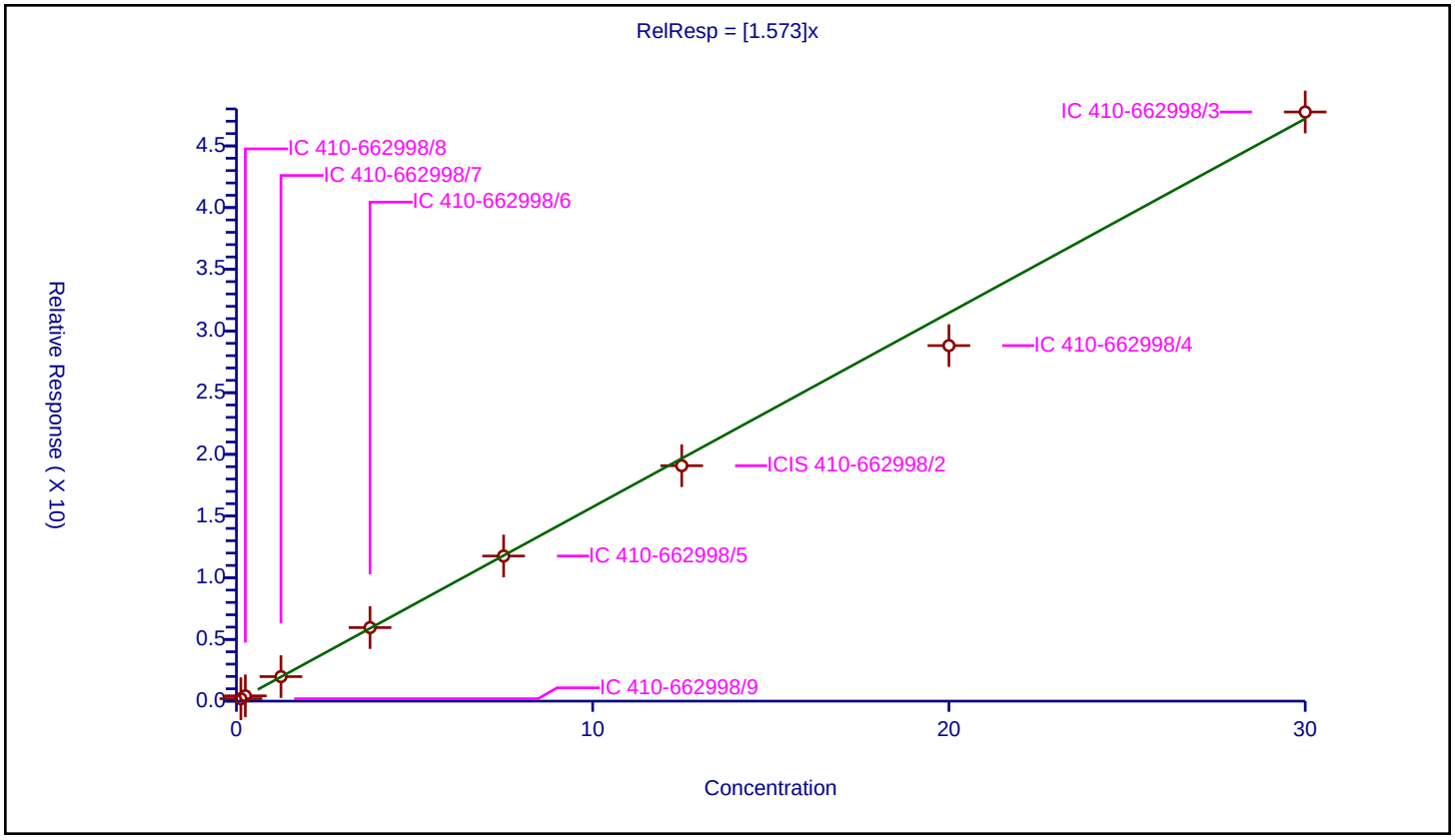
Curve Coefficients

Intercept:	0
Slope:	1.573

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.196469	5.0	305646.0	1.571753	Y
2	IC 410-662998/8	0.25	0.4275	5.0	309731.0	1.71	Y
3	IC 410-662998/7	1.25	1.986373	5.0	299113.0	1.589098	Y
4	IC 410-662998/6	3.75	5.960885	5.0	319237.0	1.589569	Y
5	IC 410-662998/5	7.5	11.760384	5.0	312037.0	1.568051	Y
6	ICIS 410-662998/2	12.5	19.080364	5.0	347333.0	1.526429	Y
7	IC 410-662998/4	20.0	28.816944	5.0	334363.0	1.440847	Y
8	IC 410-662998/3	30.0	47.749718	5.0	305415.0	1.591657	Y



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Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

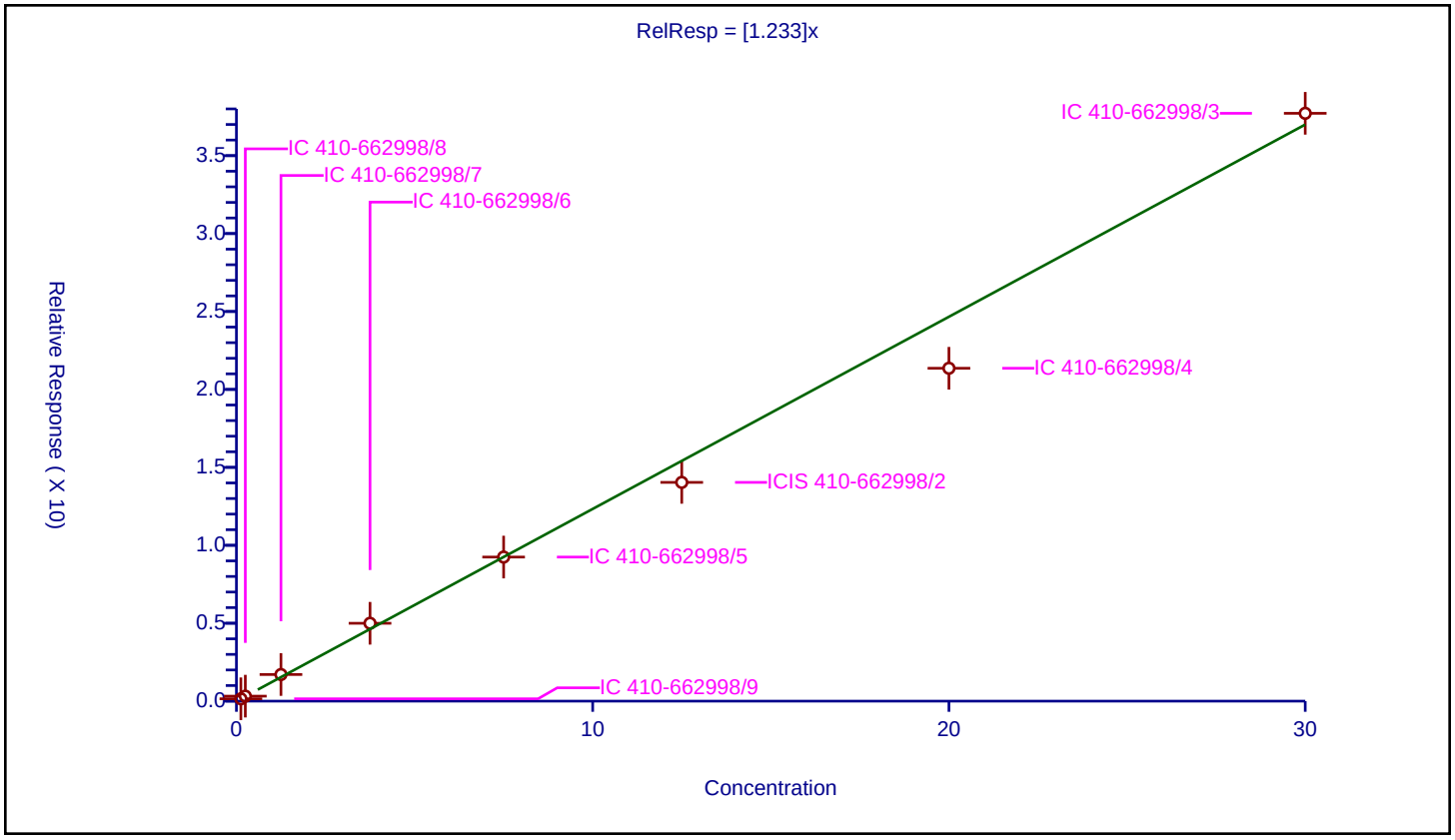
Curve Coefficients

Intercept:	0
Slope:	1.233

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.150877	5.0	305646.0	1.207017	Y
2	IC 410-662998/8	0.25	0.319777	5.0	309731.0	1.27911	Y
3	IC 410-662998/7	1.25	1.707331	5.0	299113.0	1.365865	Y
4	IC 410-662998/6	3.75	4.996335	5.0	319237.0	1.332356	Y
5	IC 410-662998/5	7.5	9.244417	5.0	312037.0	1.232589	Y
6	ICIS 410-662998/2	12.5	14.036112	5.0	347333.0	1.122889	Y
7	IC 410-662998/4	20.0	21.358972	5.0	334363.0	1.067949	Y
8	IC 410-662998/3	30.0	37.71614	5.0	305415.0	1.257205	Y



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Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

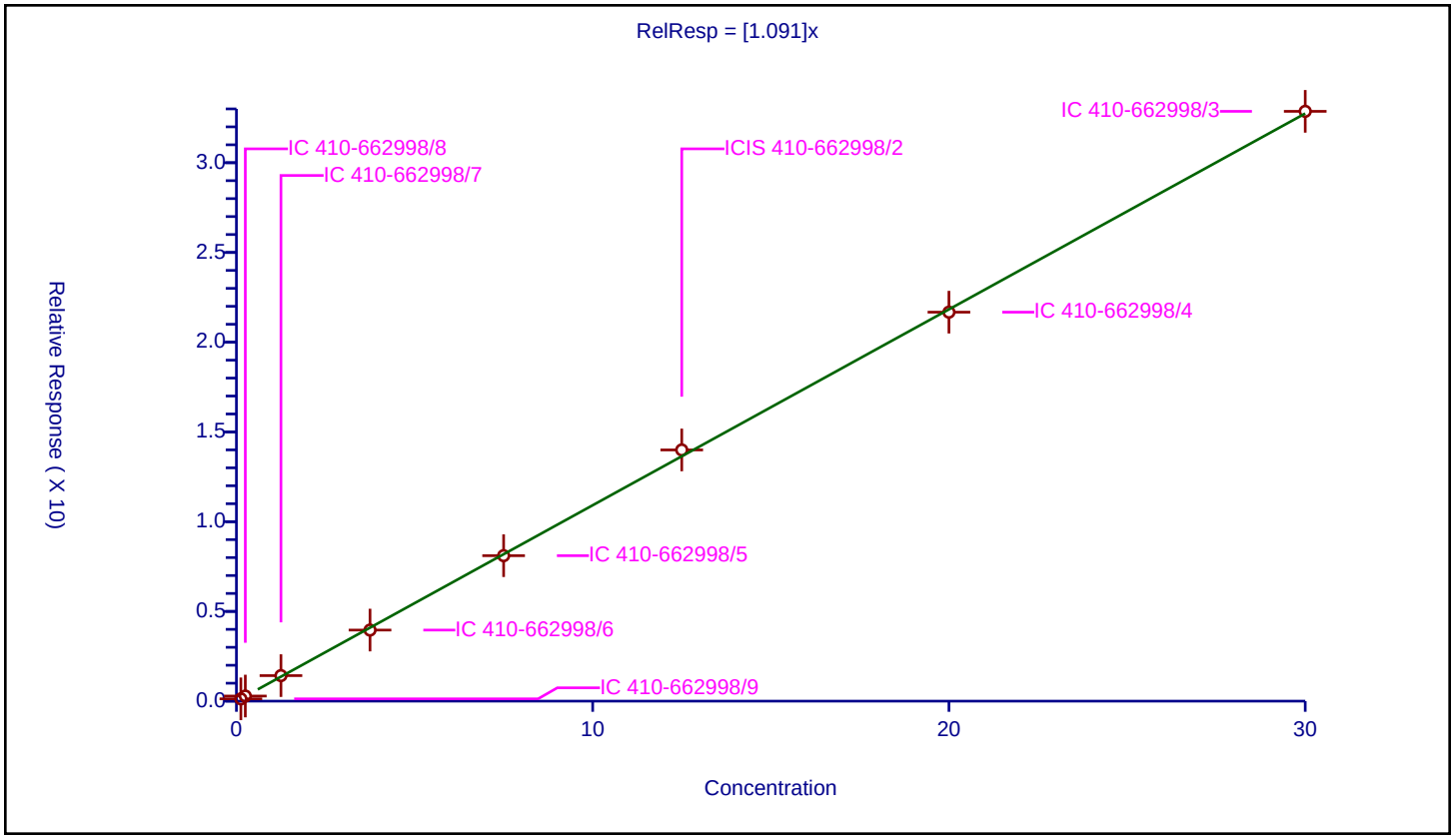
Curve Coefficients

Intercept:	0
Slope:	1.091

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.128008	5.0	305646.0	1.024061	Y
2	IC 410-662998/8	0.25	0.283472	5.0	309731.0	1.133887	Y
3	IC 410-662998/7	1.25	1.422823	5.0	299113.0	1.138259	Y
4	IC 410-662998/6	3.75	3.959895	5.0	319237.0	1.055972	Y
5	IC 410-662998/5	7.5	8.104824	5.0	312037.0	1.080643	Y
6	ICIS 410-662998/2	12.5	13.997	5.0	347333.0	1.11976	Y
7	IC 410-662998/4	20.0	21.673675	5.0	334363.0	1.083684	Y
8	IC 410-662998/3	30.0	32.86389	5.0	305415.0	1.095463	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

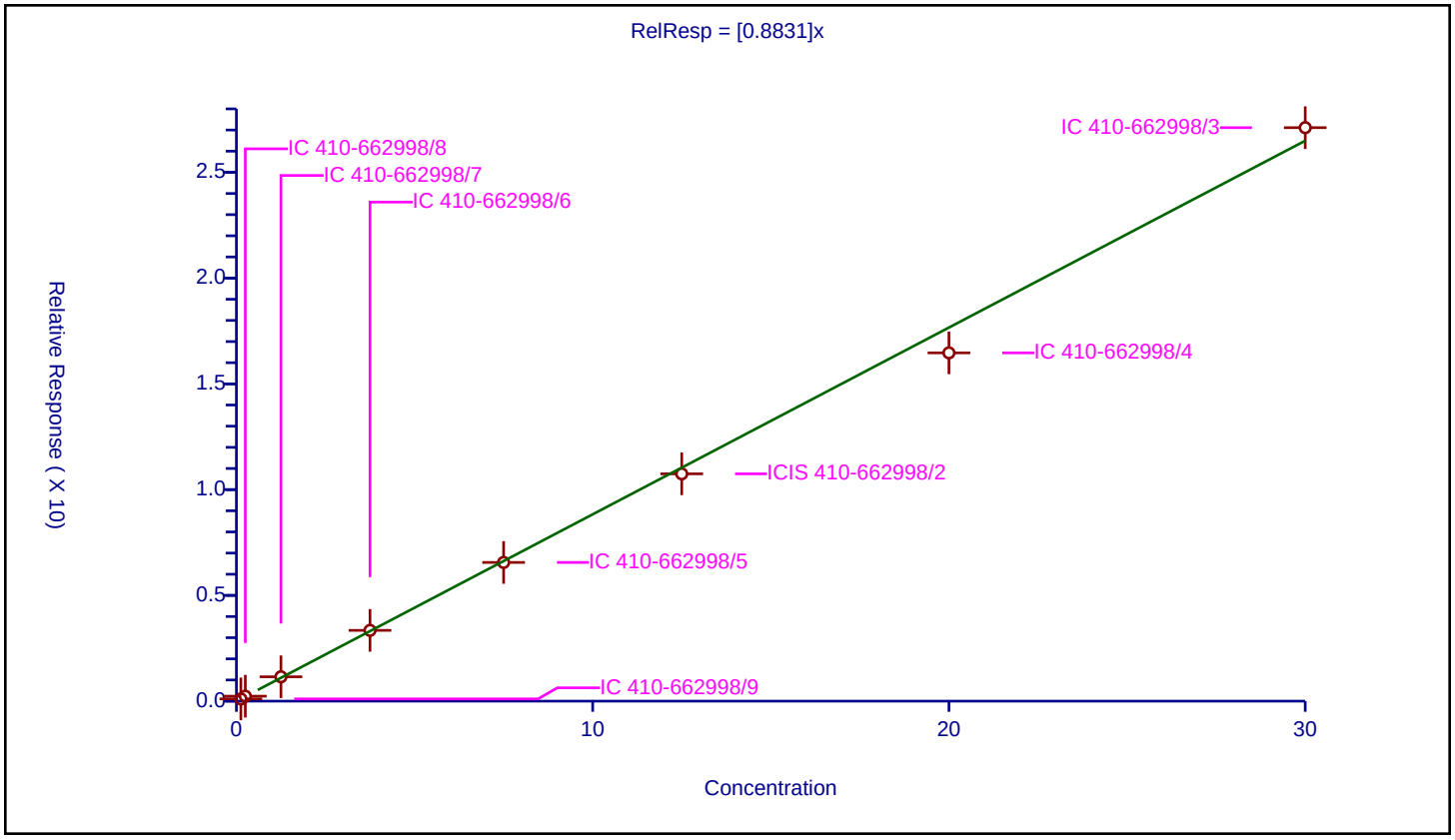
Curve Coefficients

Intercept:	0
Slope:	0.8831

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.106627	5.0	305646.0	0.853013	Y
2	IC 410-662998/8	0.25	0.234268	5.0	309731.0	0.937071	Y
3	IC 410-662998/7	1.25	1.152006	5.0	299113.0	0.921605	Y
4	IC 410-662998/6	3.75	3.345837	5.0	319237.0	0.892223	Y
5	IC 410-662998/5	7.5	6.557203	5.0	312037.0	0.874294	Y
6	ICIS 410-662998/2	12.5	10.746157	5.0	347333.0	0.859693	Y
7	IC 410-662998/4	20.0	16.466056	5.0	334363.0	0.823303	Y
8	IC 410-662998/3	30.0	27.112797	5.0	305415.0	0.90376	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

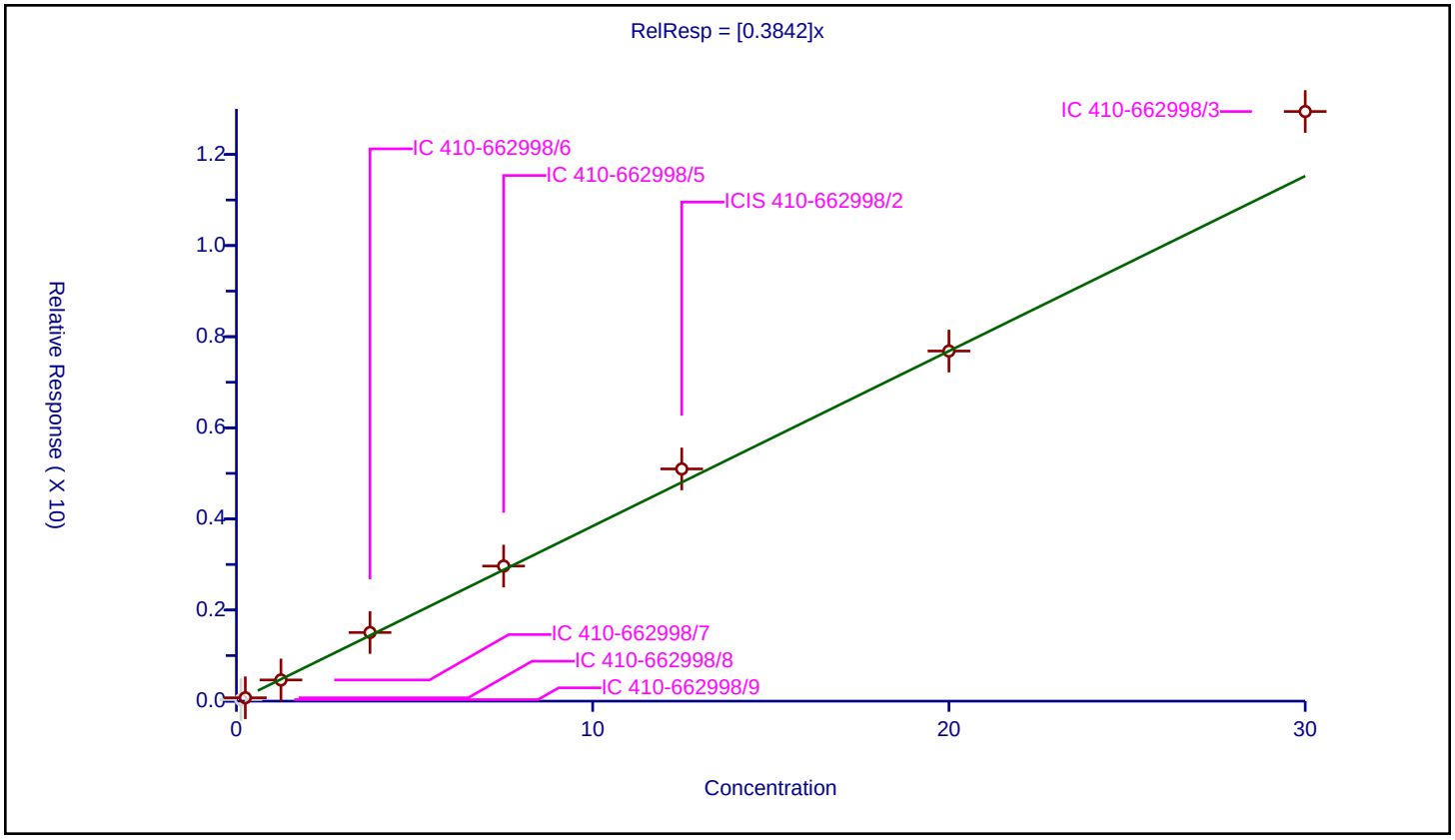
Curve Coefficients

Intercept:	0
Slope:	0.3842

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.033356	5.0	305646.0	0.266845	N
2	IC 410-662998/8	0.25	0.074161	5.0	309731.0	0.296645	Y
3	IC 410-662998/7	1.25	0.465309	5.0	299113.0	0.372247	Y
4	IC 410-662998/6	3.75	1.506577	5.0	319237.0	0.401754	Y
5	IC 410-662998/5	7.5	2.965193	5.0	312037.0	0.395359	Y
6	ICIS 410-662998/2	12.5	5.09691	5.0	347333.0	0.407753	Y
7	IC 410-662998/4	20.0	7.685151	5.0	334363.0	0.384258	Y
8	IC 410-662998/3	30.0	12.942521	5.0	305415.0	0.431417	Y



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Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

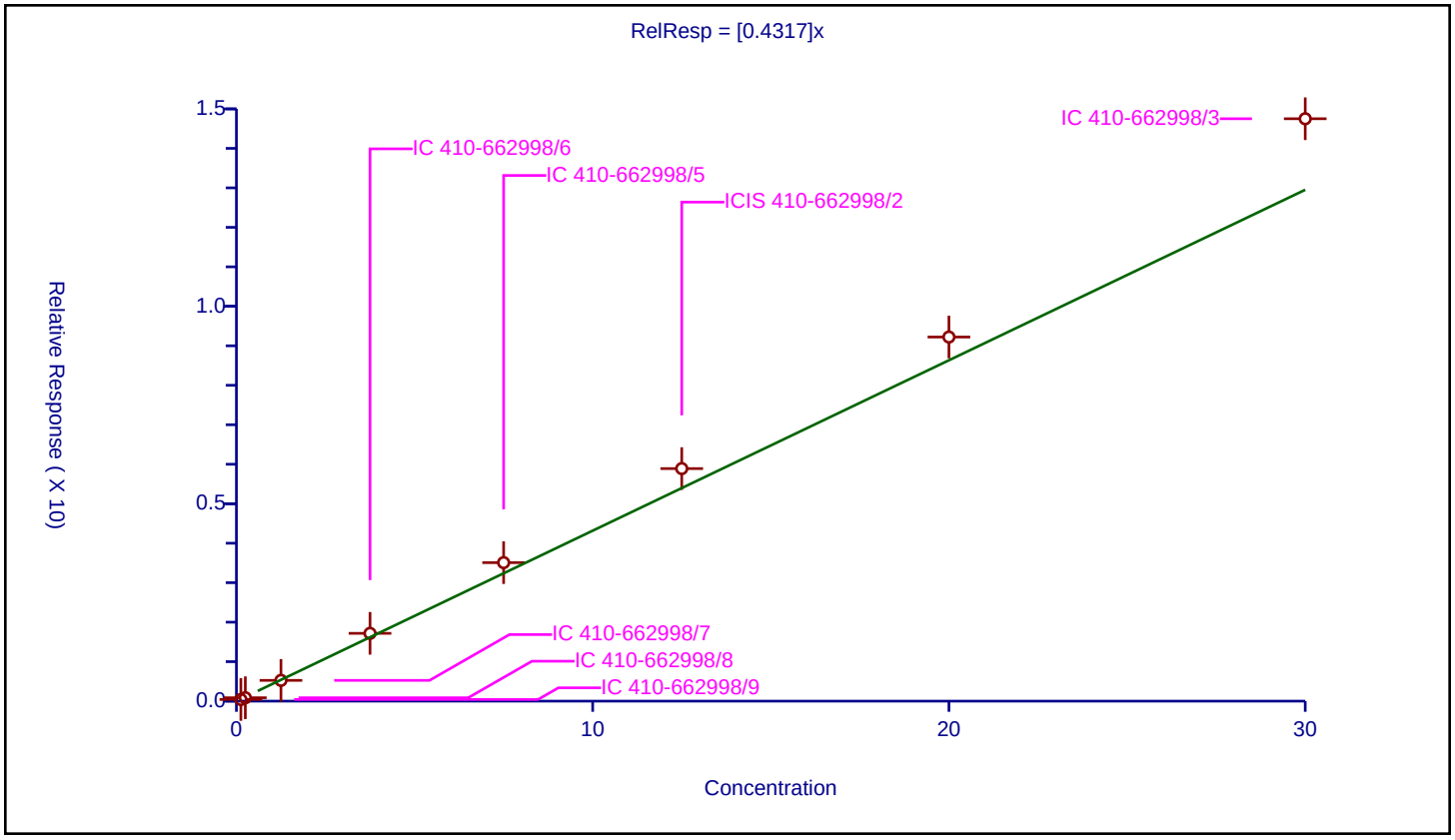
Curve Coefficients

Intercept:	0
Slope:	0.4317

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.042451	5.0	305646.0	0.339609	Y
2	IC 410-662998/8	0.25	0.085881	5.0	309731.0	0.343524	Y
3	IC 410-662998/7	1.25	0.526039	5.0	299113.0	0.420831	Y
4	IC 410-662998/6	3.75	1.716765	5.0	319237.0	0.457804	Y
5	IC 410-662998/5	7.5	3.508286	5.0	312037.0	0.467771	Y
6	ICIS 410-662998/2	12.5	5.889809	5.0	347333.0	0.471185	Y
7	IC 410-662998/4	20.0	9.221923	5.0	334363.0	0.461096	Y
8	IC 410-662998/3	30.0	14.750323	5.0	305415.0	0.491677	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

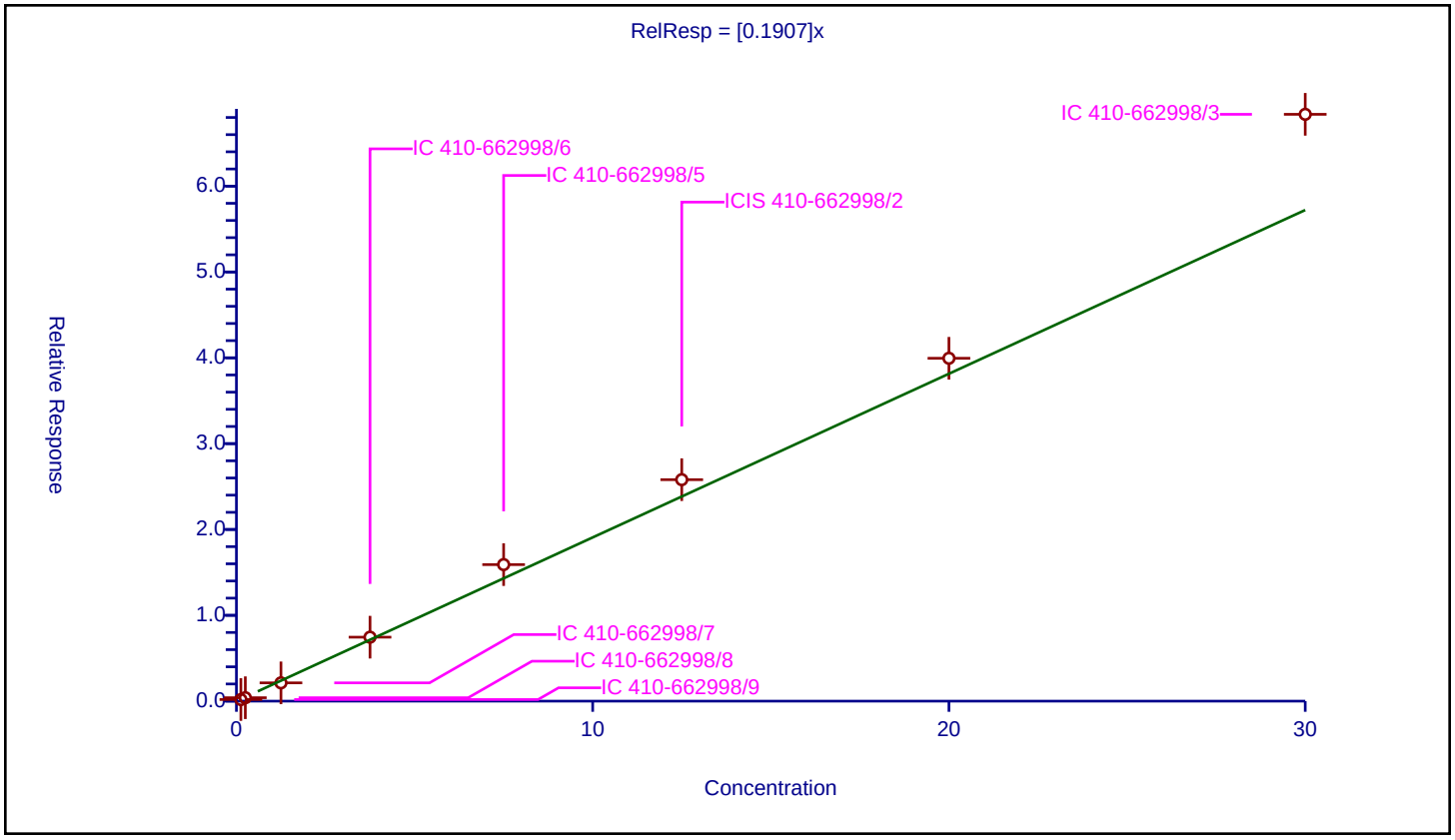
Curve Coefficients

Intercept:	0
Slope:	0.1907

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.018862	5.0	305646.0	0.150894	Y
2	IC 410-662998/8	0.25	0.039857	5.0	309731.0	0.159429	Y
3	IC 410-662998/7	1.25	0.213164	5.0	299113.0	0.170531	Y
4	IC 410-662998/6	3.75	0.745324	5.0	319237.0	0.198753	Y
5	IC 410-662998/5	7.5	1.590773	5.0	312037.0	0.212103	Y
6	ICIS 410-662998/2	12.5	2.580218	5.0	347333.0	0.206417	Y
7	IC 410-662998/4	20.0	3.994596	5.0	334363.0	0.19973	Y
8	IC 410-662998/3	30.0	6.836829	5.0	305415.0	0.227894	Y



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Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

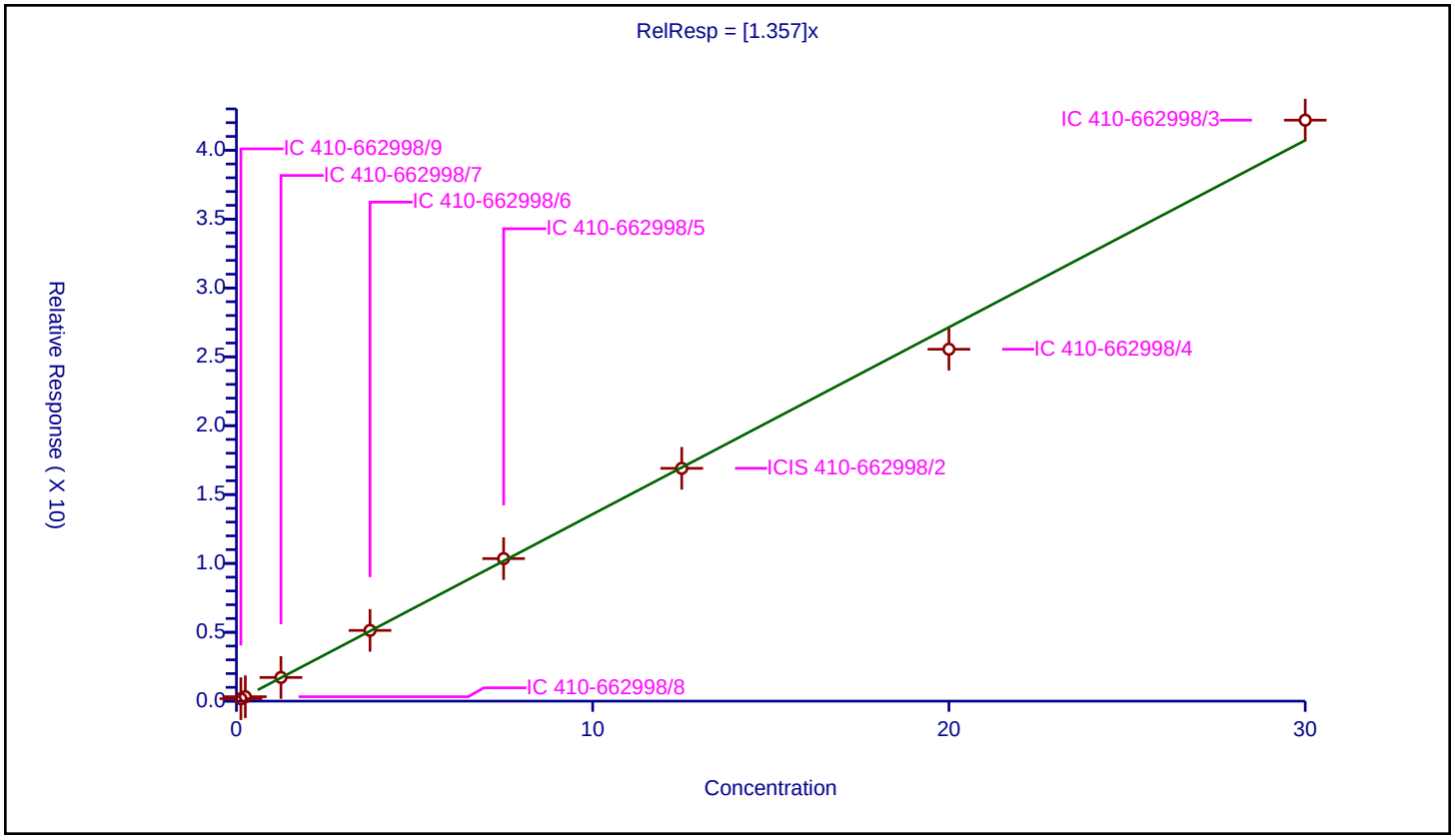
Curve Coefficients

Intercept:	0
Slope:	1.357

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.176495	5.0	305646.0	1.41196	Y
2	IC 410-662998/8	0.25	0.321521	5.0	309731.0	1.286084	Y
3	IC 410-662998/7	1.25	1.718715	5.0	299113.0	1.374972	Y
4	IC 410-662998/6	3.75	5.13584	5.0	319237.0	1.369557	Y
5	IC 410-662998/5	7.5	10.348276	5.0	312037.0	1.37977	Y
6	ICIS 410-662998/2	12.5	16.903102	5.0	347333.0	1.352248	Y
7	IC 410-662998/4	20.0	25.549358	5.0	334363.0	1.277468	Y
8	IC 410-662998/3	30.0	42.182424	5.0	305415.0	1.406081	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

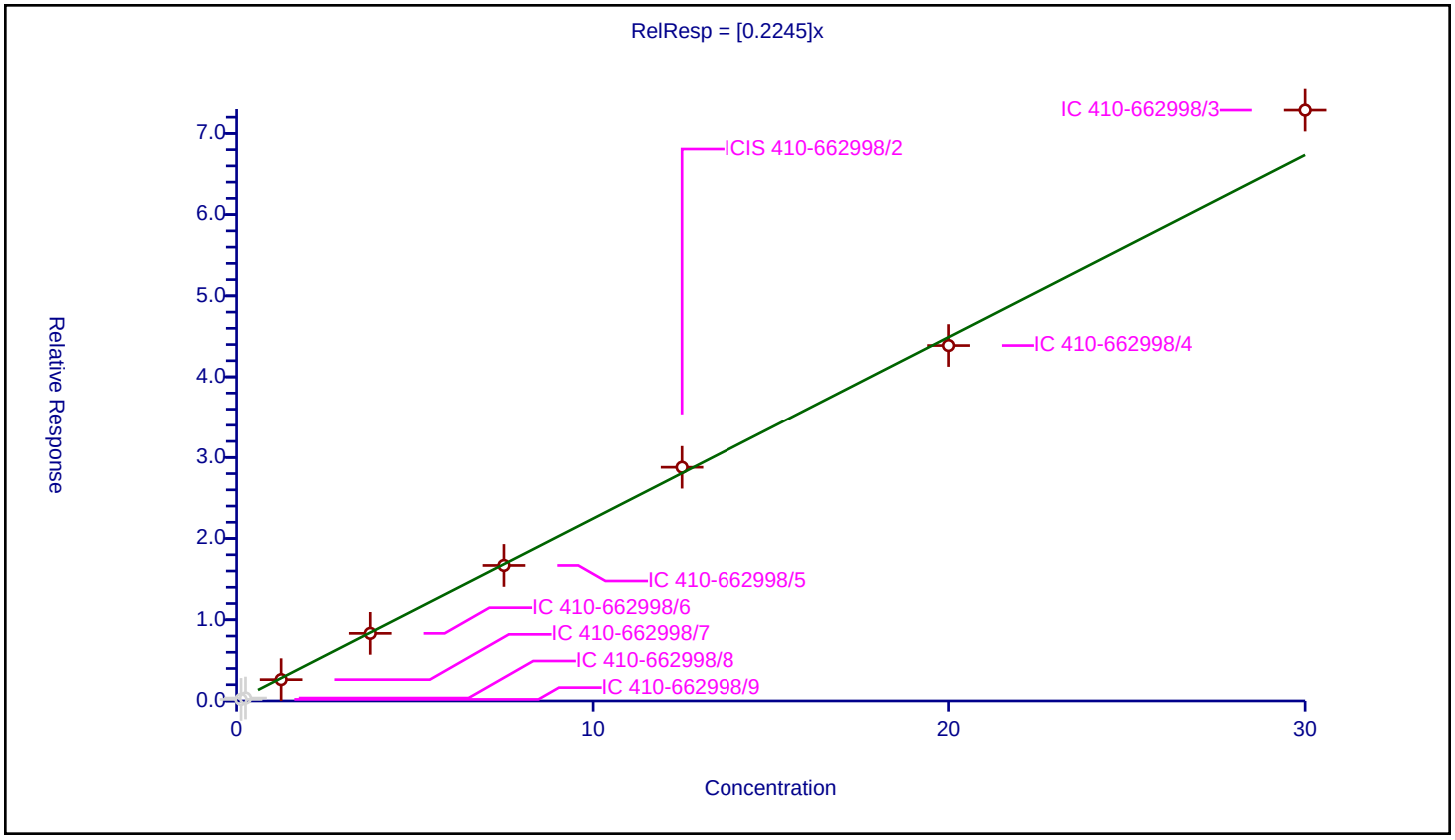
Curve Coefficients

Intercept:	0
Slope:	0.2245

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.01932	5.0	305646.0	0.154558	N
2	IC 410-662998/8	0.25	0.035854	5.0	309731.0	0.143415	N
3	IC 410-662998/7	1.25	0.262476	5.0	299113.0	0.209981	Y
4	IC 410-662998/6	3.75	0.832673	5.0	319237.0	0.222046	Y
5	IC 410-662998/5	7.5	1.668488	5.0	312037.0	0.222465	Y
6	ICIS 410-662998/2	12.5	2.878894	5.0	347333.0	0.230312	Y
7	IC 410-662998/4	20.0	4.387761	5.0	334363.0	0.219388	Y
8	IC 410-662998/3	30.0	7.287363	5.0	305415.0	0.242912	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

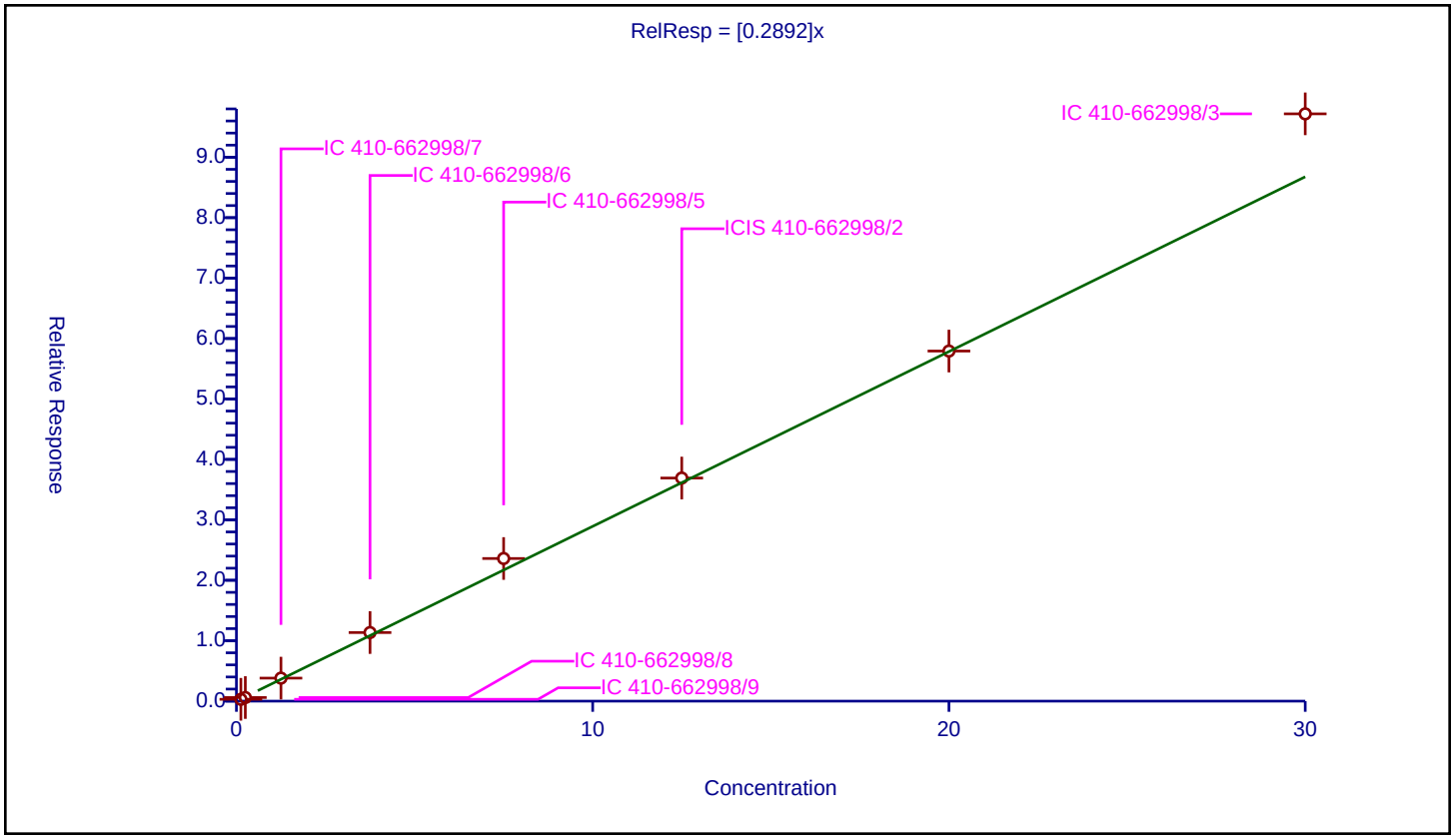
Curve Coefficients

Intercept:	0
Slope:	0.2892

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.030509	5.0	305646.0	0.244073	Y
2	IC 410-662998/8	0.25	0.059681	5.0	309731.0	0.238723	Y
3	IC 410-662998/7	1.25	0.380876	5.0	299113.0	0.304701	Y
4	IC 410-662998/6	3.75	1.135003	5.0	319237.0	0.302668	Y
5	IC 410-662998/5	7.5	2.360377	5.0	312037.0	0.314717	Y
6	ICIS 410-662998/2	12.5	3.691457	5.0	347333.0	0.295317	Y
7	IC 410-662998/4	20.0	5.793075	5.0	334363.0	0.289654	Y
8	IC 410-662998/3	30.0	9.718203	5.0	305415.0	0.32394	Y



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Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

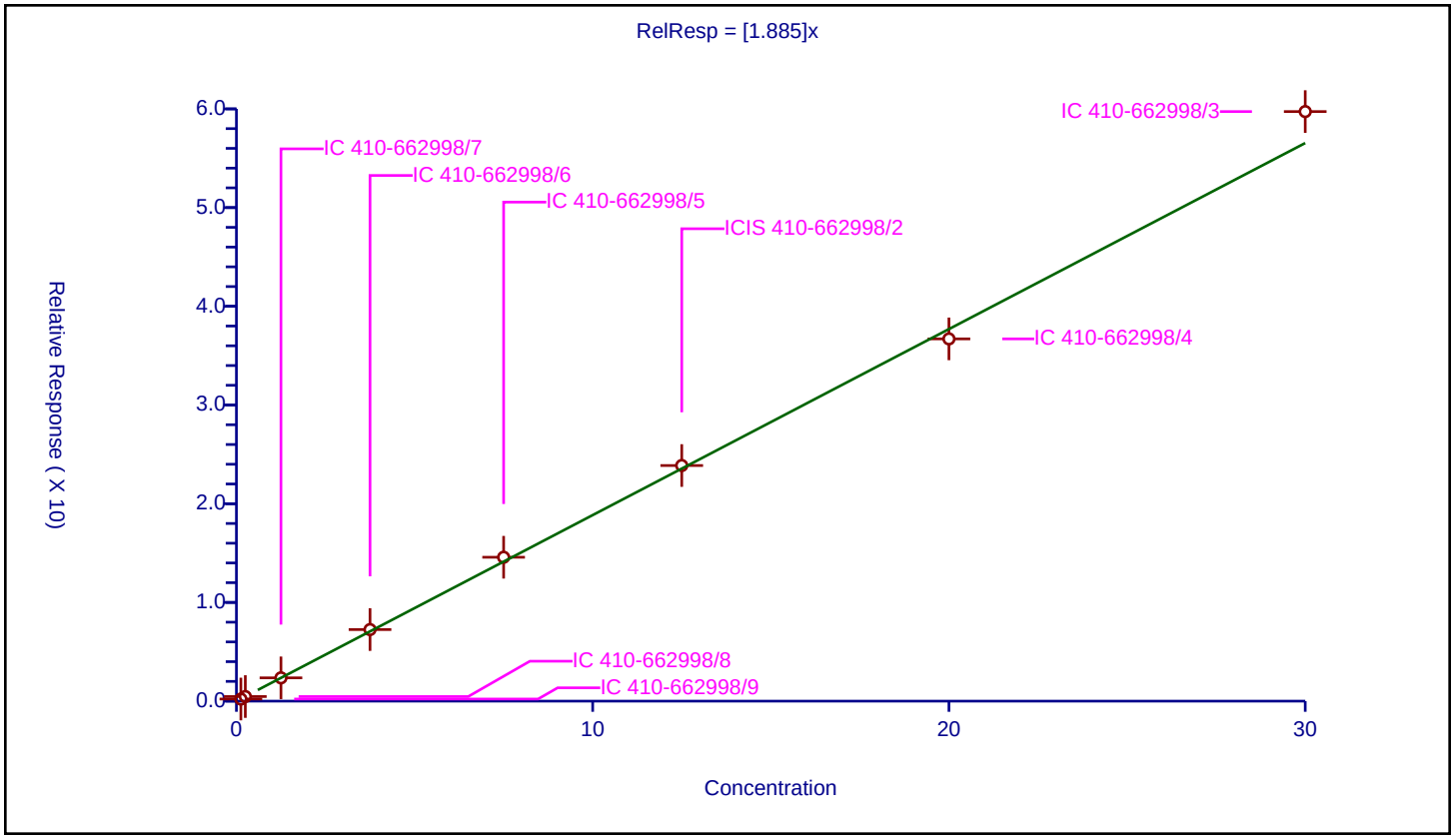
Curve Coefficients

Intercept:	0
Slope:	1.885

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.214218	5.0	305646.0	1.713747	Y
2	IC 410-662998/8	0.25	0.465678	5.0	309731.0	1.862713	Y
3	IC 410-662998/7	1.25	2.360061	5.0	299113.0	1.888049	Y
4	IC 410-662998/6	3.75	7.250695	5.0	319237.0	1.933519	Y
5	IC 410-662998/5	7.5	14.57606	5.0	312037.0	1.943475	Y
6	ICIS 410-662998/2	12.5	23.869673	5.0	347333.0	1.909574	Y
7	IC 410-662998/4	20.0	36.700173	5.0	334363.0	1.835009	Y
8	IC 410-662998/3	30.0	59.727404	5.0	305415.0	1.990913	Y



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Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

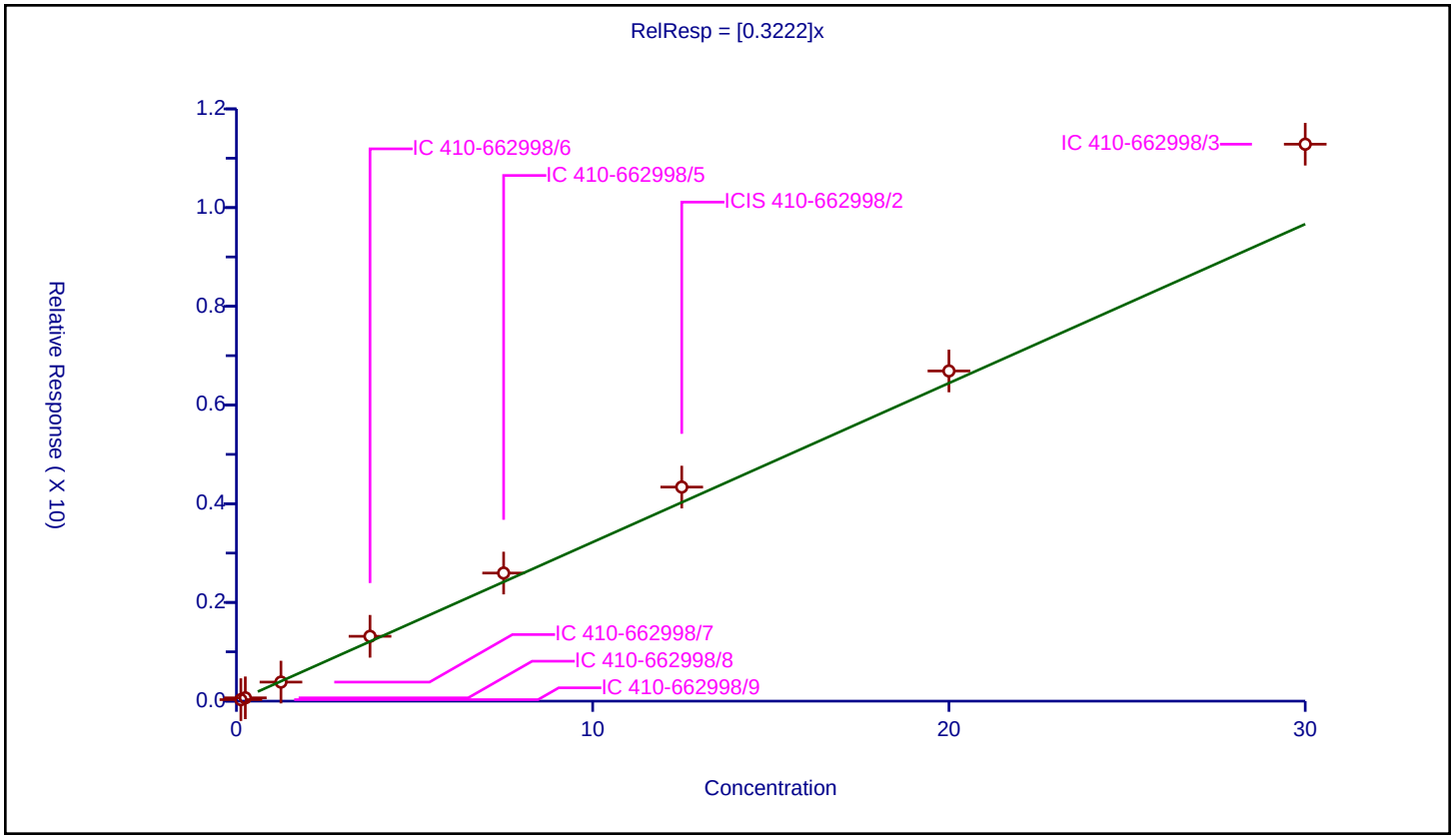
Curve Coefficients

Intercept:	0
Slope:	0.3222

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.030656	5.0	305646.0	0.245251	Y
2	IC 410-662998/8	0.25	0.067268	5.0	309731.0	0.269072	Y
3	IC 410-662998/7	1.25	0.386359	5.0	299113.0	0.309087	Y
4	IC 410-662998/6	3.75	1.313945	5.0	319237.0	0.350385	Y
5	IC 410-662998/5	7.5	2.595253	5.0	312037.0	0.346034	Y
6	ICIS 410-662998/2	12.5	4.337696	5.0	347333.0	0.347016	Y
7	IC 410-662998/4	20.0	6.68972	5.0	334363.0	0.334486	Y
8	IC 410-662998/3	30.0	11.284498	5.0	305415.0	0.37615	Y



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Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

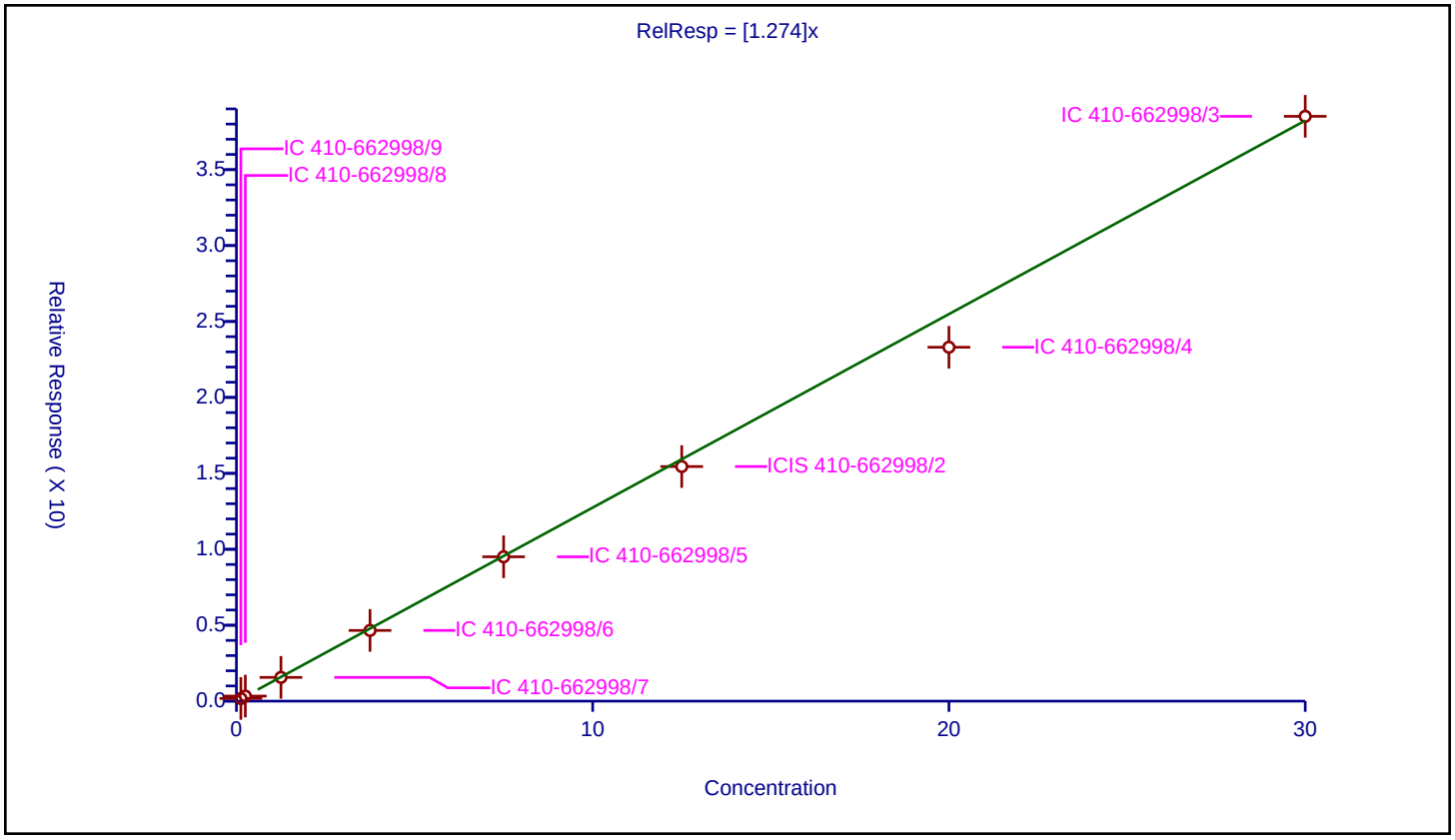
Curve Coefficients

Intercept:	0
Slope:	1.274

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.176888	5.0	305646.0	1.415101	Y
2	IC 410-662998/8	0.25	0.333757	5.0	309731.0	1.335029	Y
3	IC 410-662998/7	1.25	1.563623	5.0	299113.0	1.250898	Y
4	IC 410-662998/6	3.75	4.656133	5.0	319237.0	1.241636	Y
5	IC 410-662998/5	7.5	9.504274	5.0	312037.0	1.267236	Y
6	ICIS 410-662998/2	12.5	15.449785	5.0	347333.0	1.235983	Y
7	IC 410-662998/4	20.0	23.304119	5.0	334363.0	1.165206	Y
8	IC 410-662998/3	30.0	38.510207	5.0	305415.0	1.283674	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

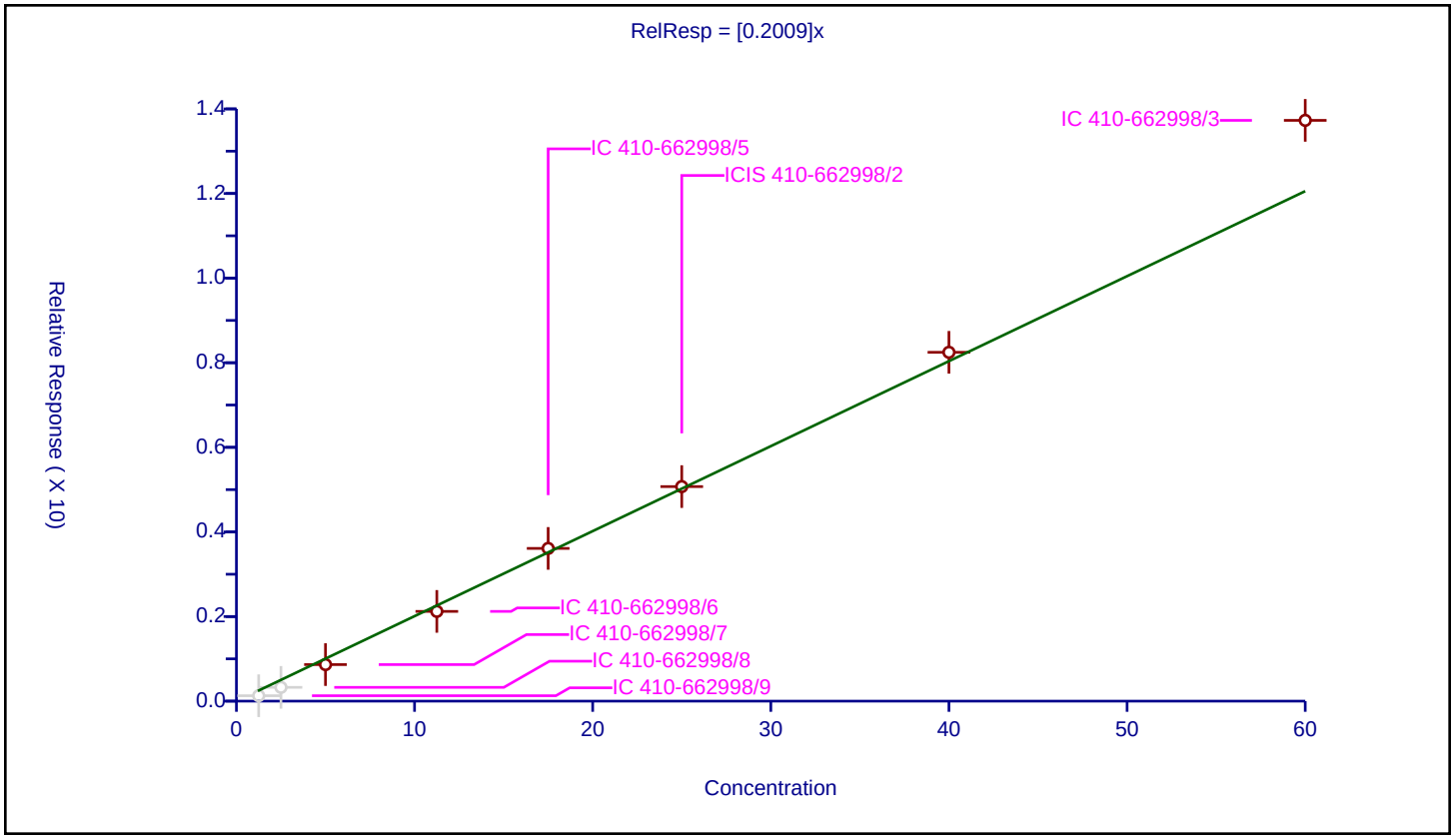
Curve Coefficients

Intercept:	0
Slope:	0.2009

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	1.25	0.127893	5.0	305646.0	0.102314	N
2	IC 410-662998/8	2.5	0.325912	5.0	309731.0	0.130365	N
3	IC 410-662998/7	5.0	0.864021	5.0	299113.0	0.172804	Y
4	IC 410-662998/6	11.25	2.121449	5.0	319237.0	0.188573	Y
5	IC 410-662998/5	17.5	3.610694	5.0	312037.0	0.206325	Y
6	ICIS 410-662998/2	25.0	5.071444	5.0	347333.0	0.202858	Y
7	IC 410-662998/4	40.0	8.245859	5.0	334363.0	0.206146	Y
8	IC 410-662998/3	60.0	13.728664	5.0	305415.0	0.228811	Y



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Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

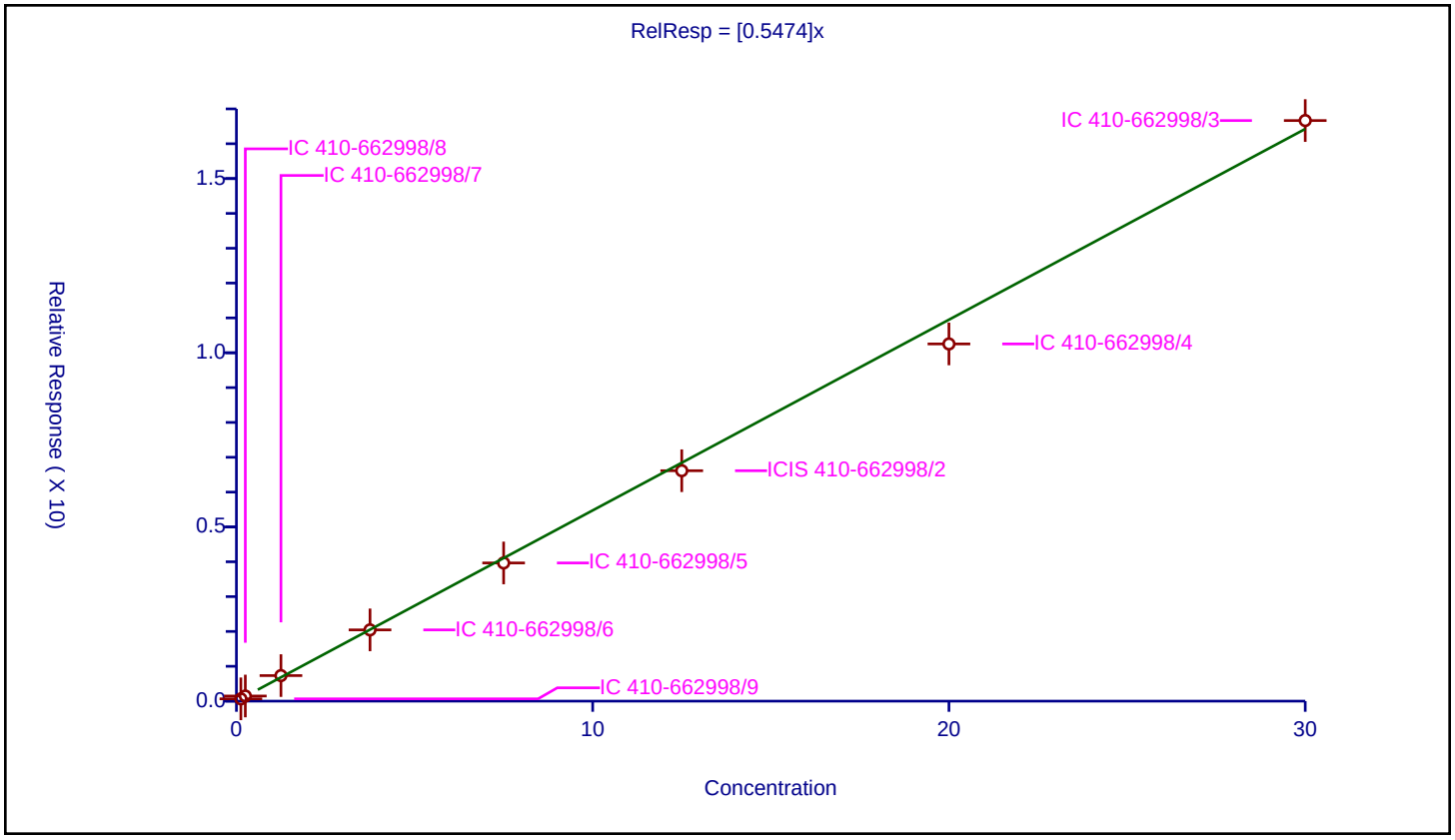
Curve Coefficients

Intercept:	0
Slope:	0.5474

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.066449	5.0	305646.0	0.531595	Y
2	IC 410-662998/8	0.25	0.147386	5.0	309731.0	0.589544	Y
3	IC 410-662998/7	1.25	0.733552	5.0	299113.0	0.586842	Y
4	IC 410-662998/6	3.75	2.04533	5.0	319237.0	0.545421	Y
5	IC 410-662998/5	7.5	3.966757	5.0	312037.0	0.528901	Y
6	ICIS 410-662998/2	12.5	6.613884	5.0	347333.0	0.529111	Y
7	IC 410-662998/4	20.0	10.253153	5.0	334363.0	0.512658	Y
8	IC 410-662998/3	30.0	16.665341	5.0	305415.0	0.555511	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

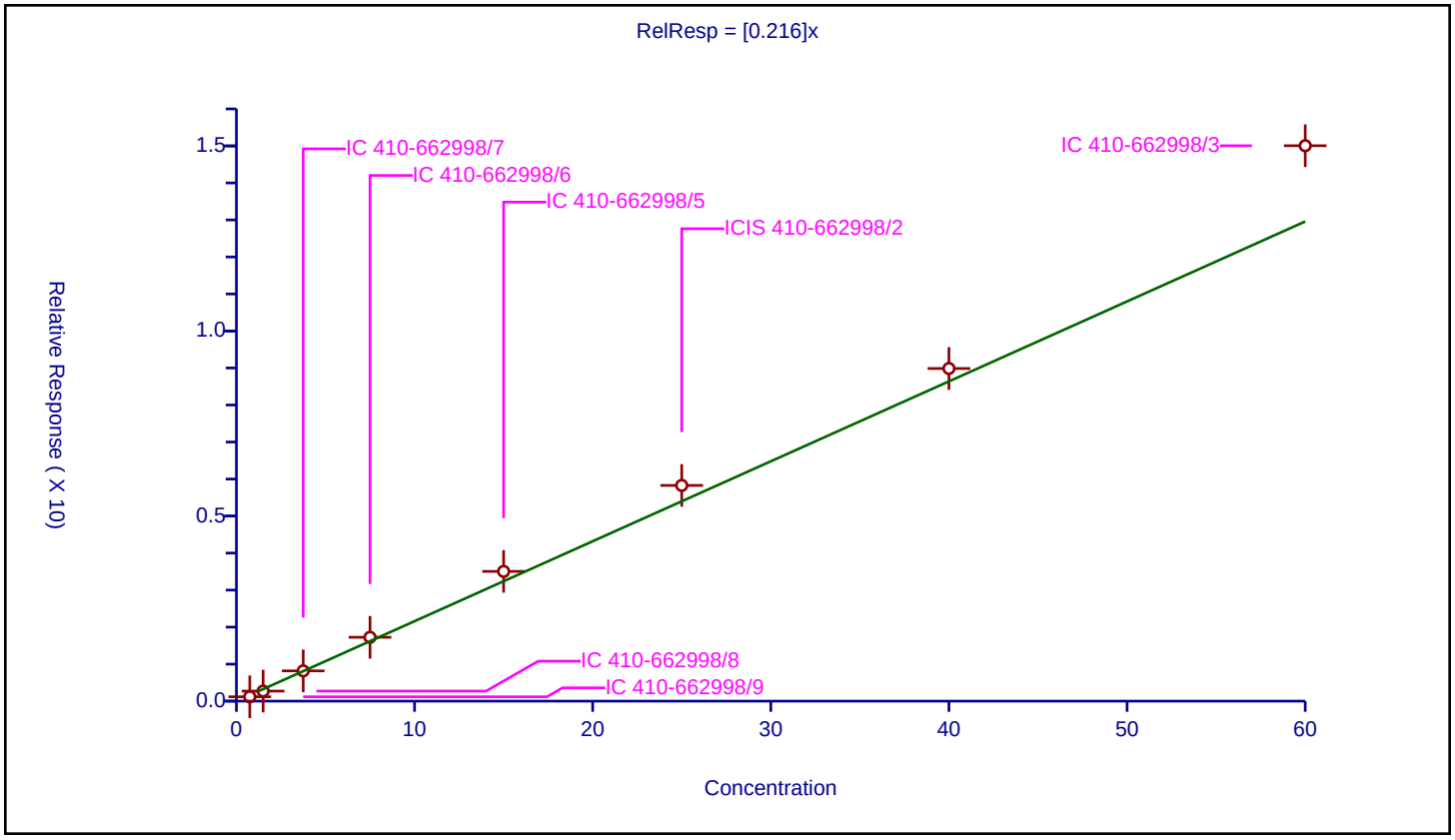
Curve Coefficients

Intercept:	0
Slope:	0.216

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.75	0.117685	5.0	305646.0	0.156914	Y
2	IC 410-662998/8	1.5	0.271752	5.0	309731.0	0.181168	Y
3	IC 410-662998/7	3.75	0.817718	5.0	299113.0	0.218058	Y
4	IC 410-662998/6	7.5	1.724988	5.0	319237.0	0.229998	Y
5	IC 410-662998/5	15.0	3.505578	5.0	312037.0	0.233705	Y
6	ICIS 410-662998/2	25.0	5.827534	5.0	347333.0	0.233101	Y
7	IC 410-662998/4	40.0	8.98688	5.0	334363.0	0.224672	Y
8	IC 410-662998/3	60.0	15.004617	5.0	305415.0	0.250077	Y



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Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

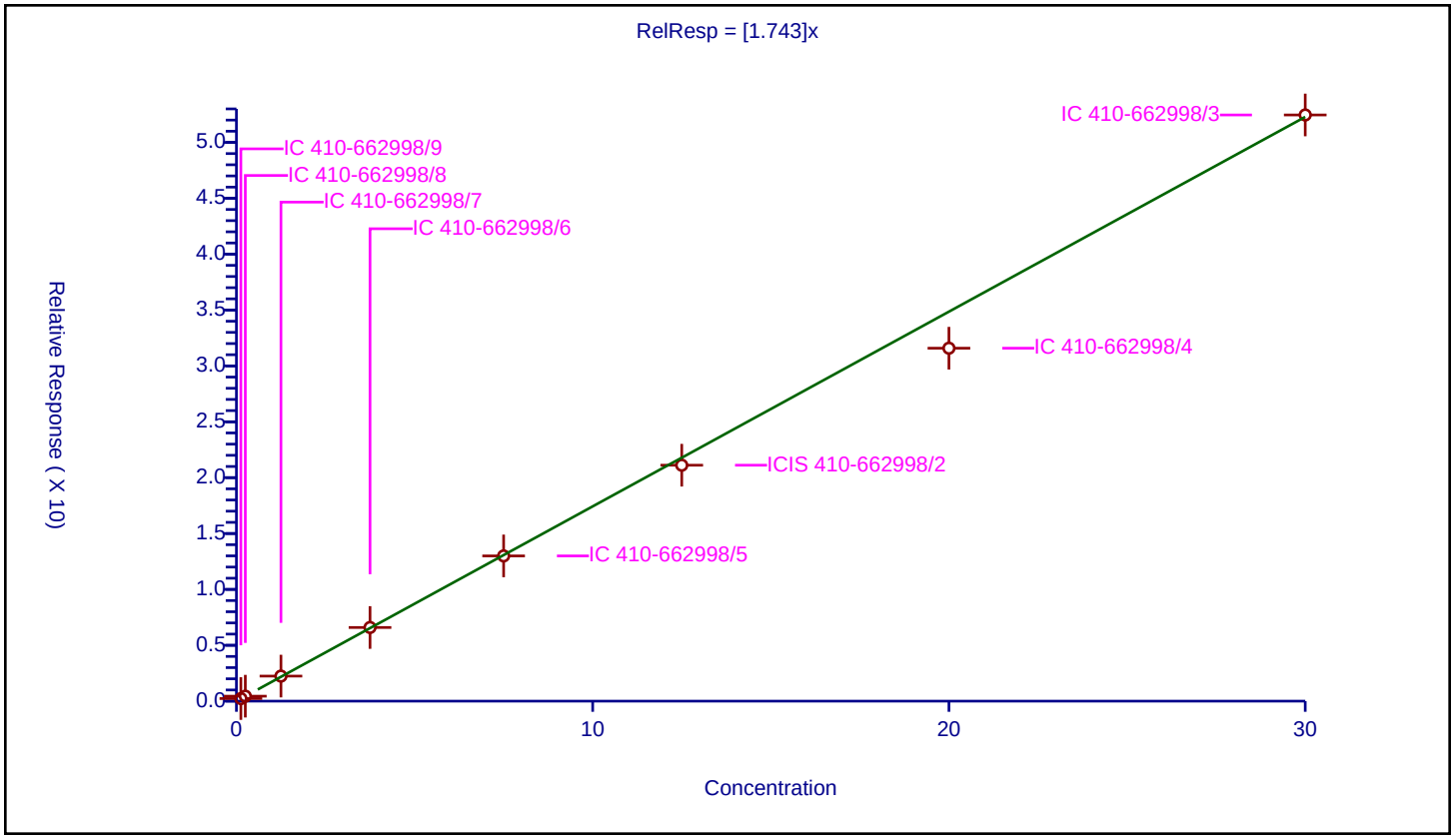
Curve Coefficients

Intercept:	0
Slope:	1.743

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.232704	5.0	305646.0	1.861631	Y
2	IC 410-662998/8	0.25	0.444773	5.0	309731.0	1.779092	Y
3	IC 410-662998/7	1.25	2.242413	5.0	299113.0	1.793931	Y
4	IC 410-662998/6	3.75	6.591467	5.0	319237.0	1.757724	Y
5	IC 410-662998/5	7.5	12.995783	5.0	312037.0	1.732771	Y
6	ICIS 410-662998/2	12.5	21.113326	5.0	347333.0	1.689066	Y
7	IC 410-662998/4	20.0	31.583698	5.0	334363.0	1.579185	Y
8	IC 410-662998/3	30.0	52.457509	5.0	305415.0	1.748584	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

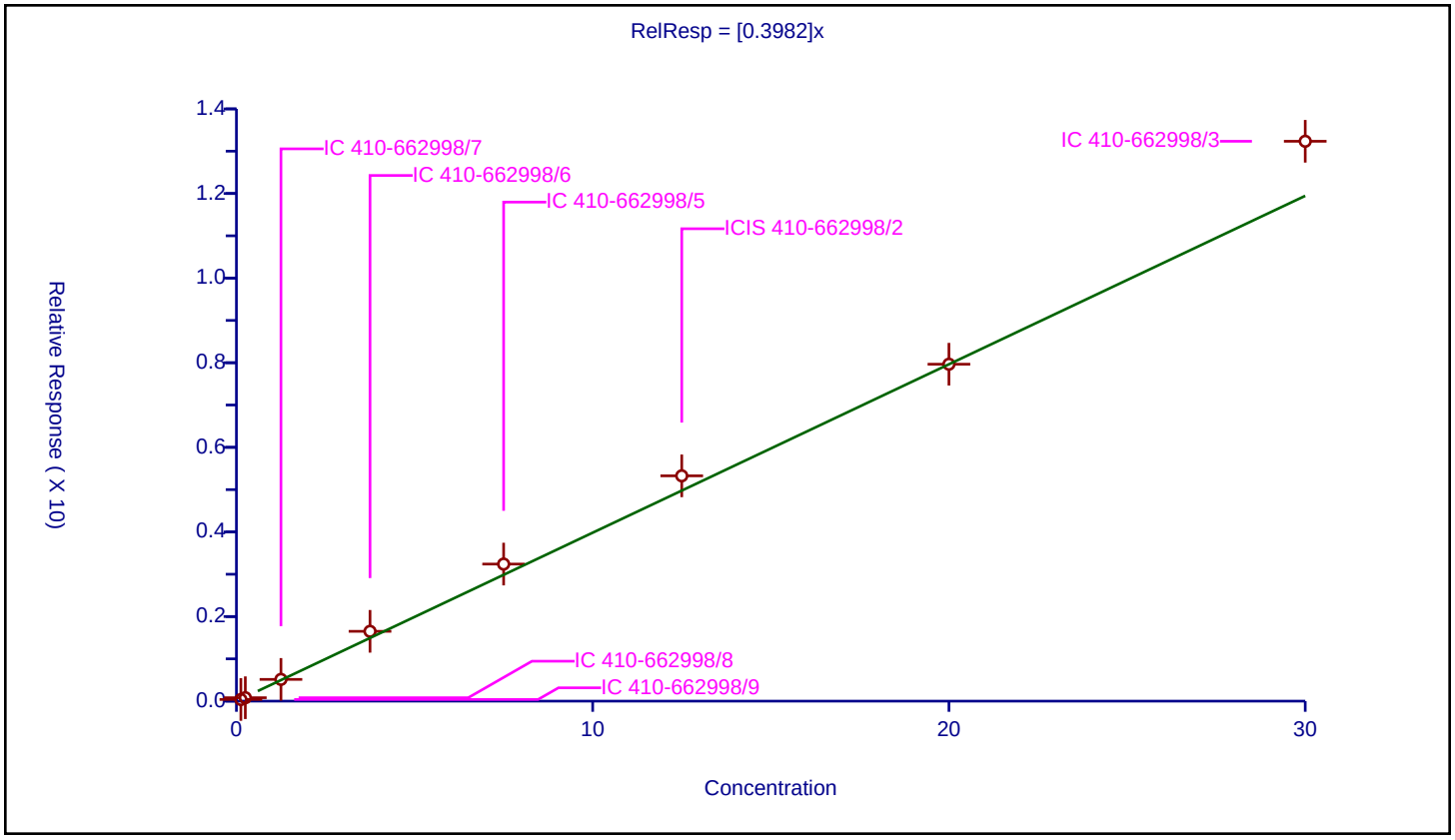
Curve Coefficients

Intercept:	0
Slope:	0.3982

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.039081	5.0	305646.0	0.312649	Y
2	IC 410-662998/8	0.25	0.080877	5.0	309731.0	0.323507	Y
3	IC 410-662998/7	1.25	0.514354	5.0	299113.0	0.411483	Y
4	IC 410-662998/6	3.75	1.650341	5.0	319237.0	0.440091	Y
5	IC 410-662998/5	7.5	3.240289	5.0	312037.0	0.432039	Y
6	ICIS 410-662998/2	12.5	5.326114	5.0	347333.0	0.426089	Y
7	IC 410-662998/4	20.0	7.964697	5.0	334363.0	0.398235	Y
8	IC 410-662998/3	30.0	13.234582	5.0	305415.0	0.441153	Y



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Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

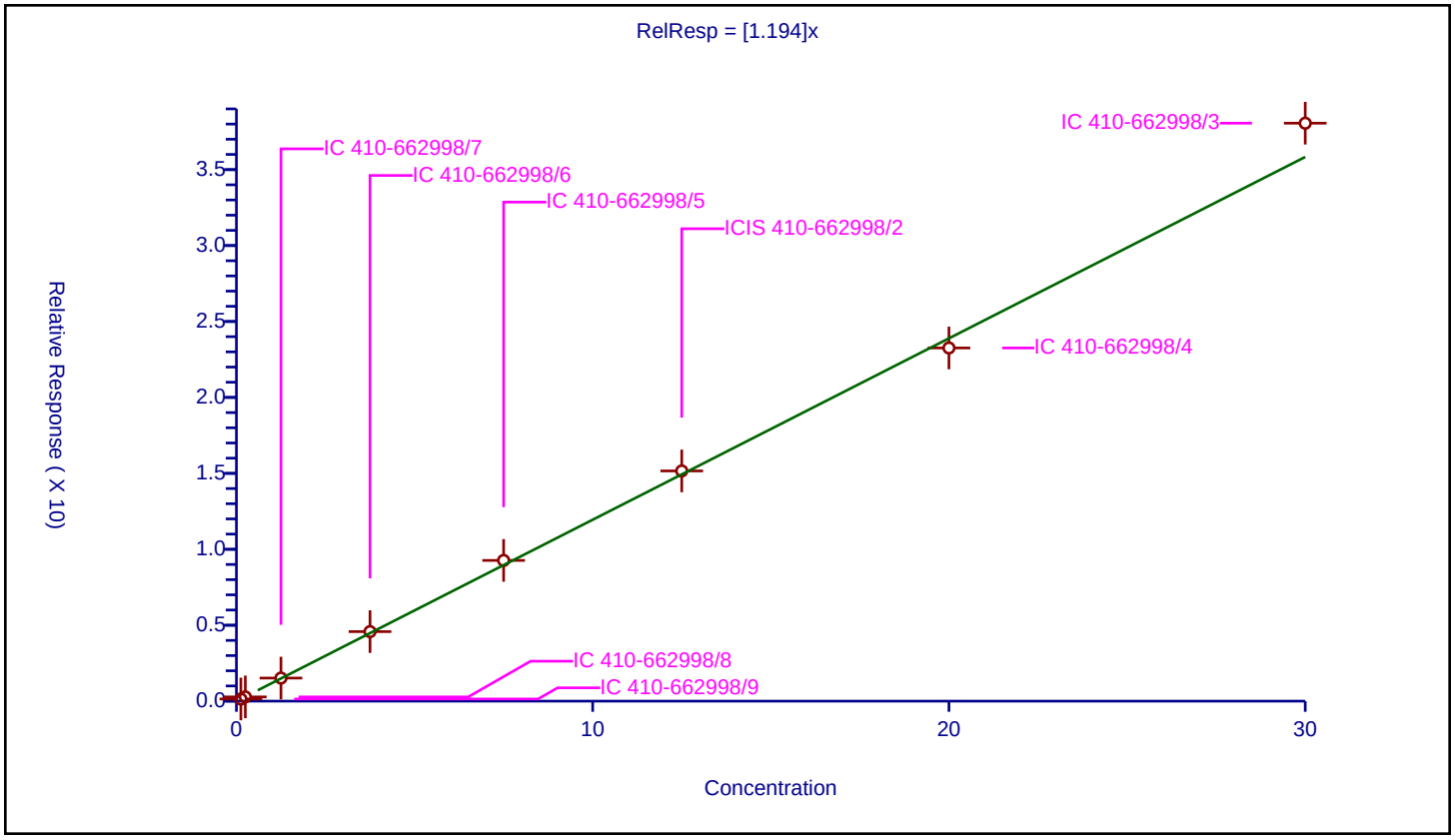
Curve Coefficients

Intercept:	0
Slope:	1.194

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.140996	5.0	305646.0	1.127972	Y
2	IC 410-662998/8	0.25	0.277741	5.0	309731.0	1.110964	Y
3	IC 410-662998/7	1.25	1.520278	5.0	299113.0	1.216223	Y
4	IC 410-662998/6	3.75	4.578417	5.0	319237.0	1.220911	Y
5	IC 410-662998/5	7.5	9.265776	5.0	312037.0	1.235437	Y
6	ICIS 410-662998/2	12.5	15.160451	5.0	347333.0	1.212836	Y
7	IC 410-662998/4	20.0	23.257866	5.0	334363.0	1.162893	Y
8	IC 410-662998/3	30.0	38.057283	5.0	305415.0	1.268576	Y



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Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

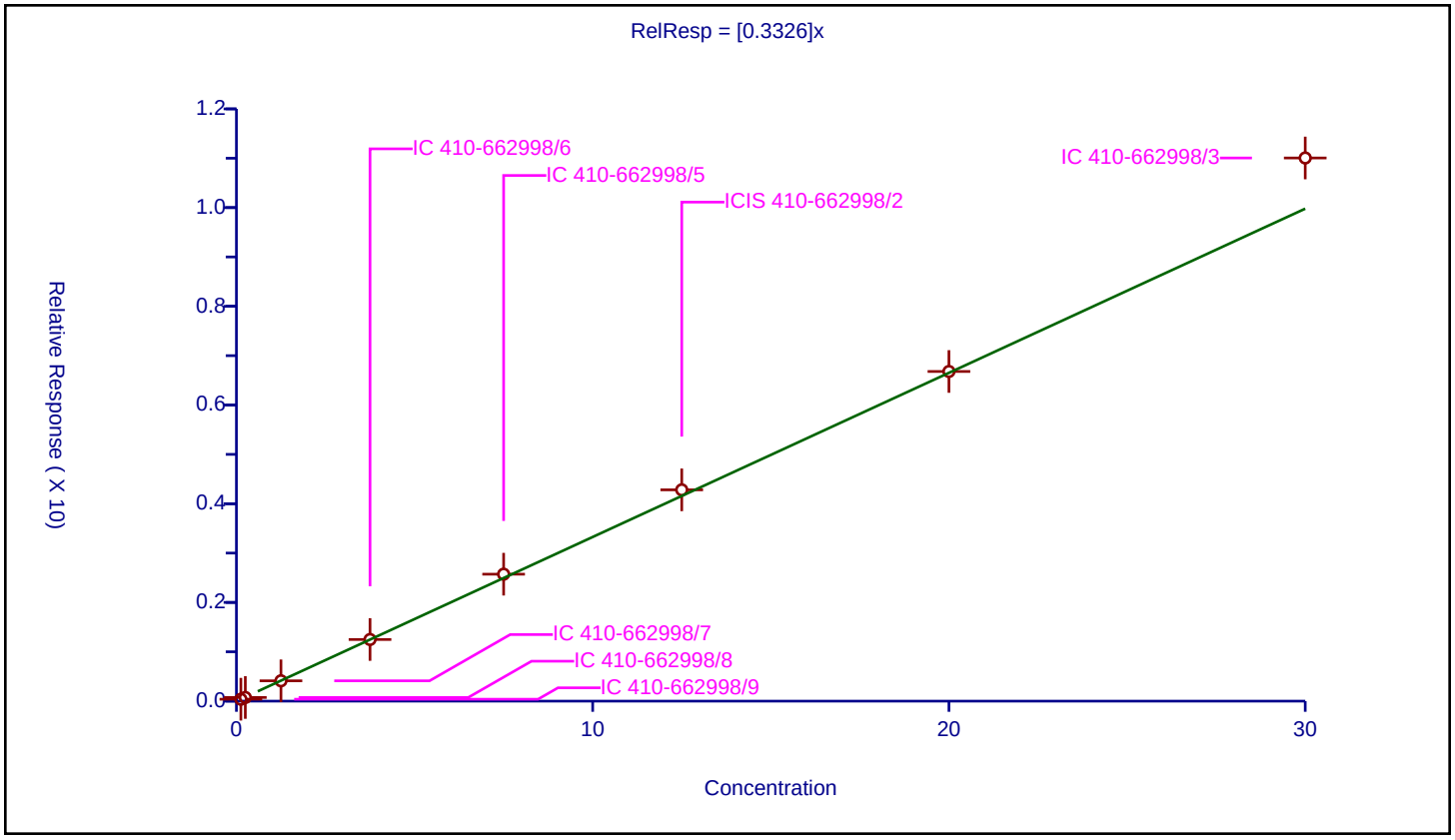
Curve Coefficients

Intercept:	0
Slope:	0.3326

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.039245	5.0	305646.0	0.313958	Y
2	IC 410-662998/8	0.25	0.074436	5.0	309731.0	0.297742	Y
3	IC 410-662998/7	1.25	0.412135	5.0	299113.0	0.329708	Y
4	IC 410-662998/6	3.75	1.249009	5.0	319237.0	0.333069	Y
5	IC 410-662998/5	7.5	2.572355	5.0	312037.0	0.342981	Y
6	ICIS 410-662998/2	12.5	4.281338	5.0	347333.0	0.342507	Y
7	IC 410-662998/4	20.0	6.679657	5.0	334363.0	0.333983	Y
8	IC 410-662998/3	30.0	11.005452	5.0	305415.0	0.366848	Y



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Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

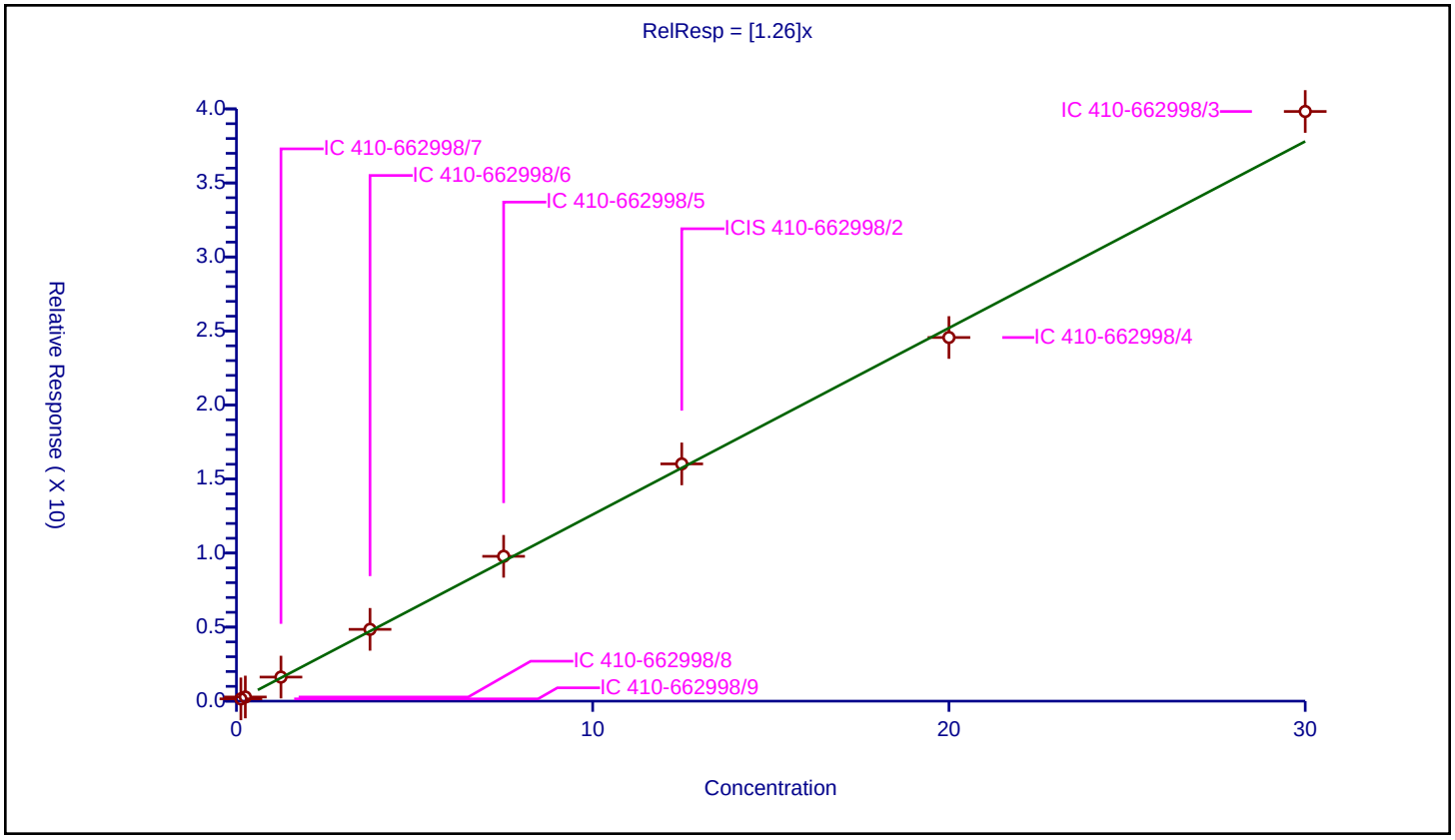
Curve Coefficients

Intercept:	0
Slope:	1.26

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.153118	5.0	305646.0	1.224947	Y
2	IC 410-662998/8	0.25	0.280453	5.0	309731.0	1.121812	Y
3	IC 410-662998/7	1.25	1.625255	5.0	299113.0	1.300204	Y
4	IC 410-662998/6	3.75	4.848545	5.0	319237.0	1.292945	Y
5	IC 410-662998/5	7.5	9.780523	5.0	312037.0	1.30407	Y
6	ICIS 410-662998/2	12.5	16.022808	5.0	347333.0	1.281825	Y
7	IC 410-662998/4	20.0	24.560523	5.0	334363.0	1.228026	Y
8	IC 410-662998/3	30.0	39.825598	5.0	305415.0	1.32752	Y



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Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

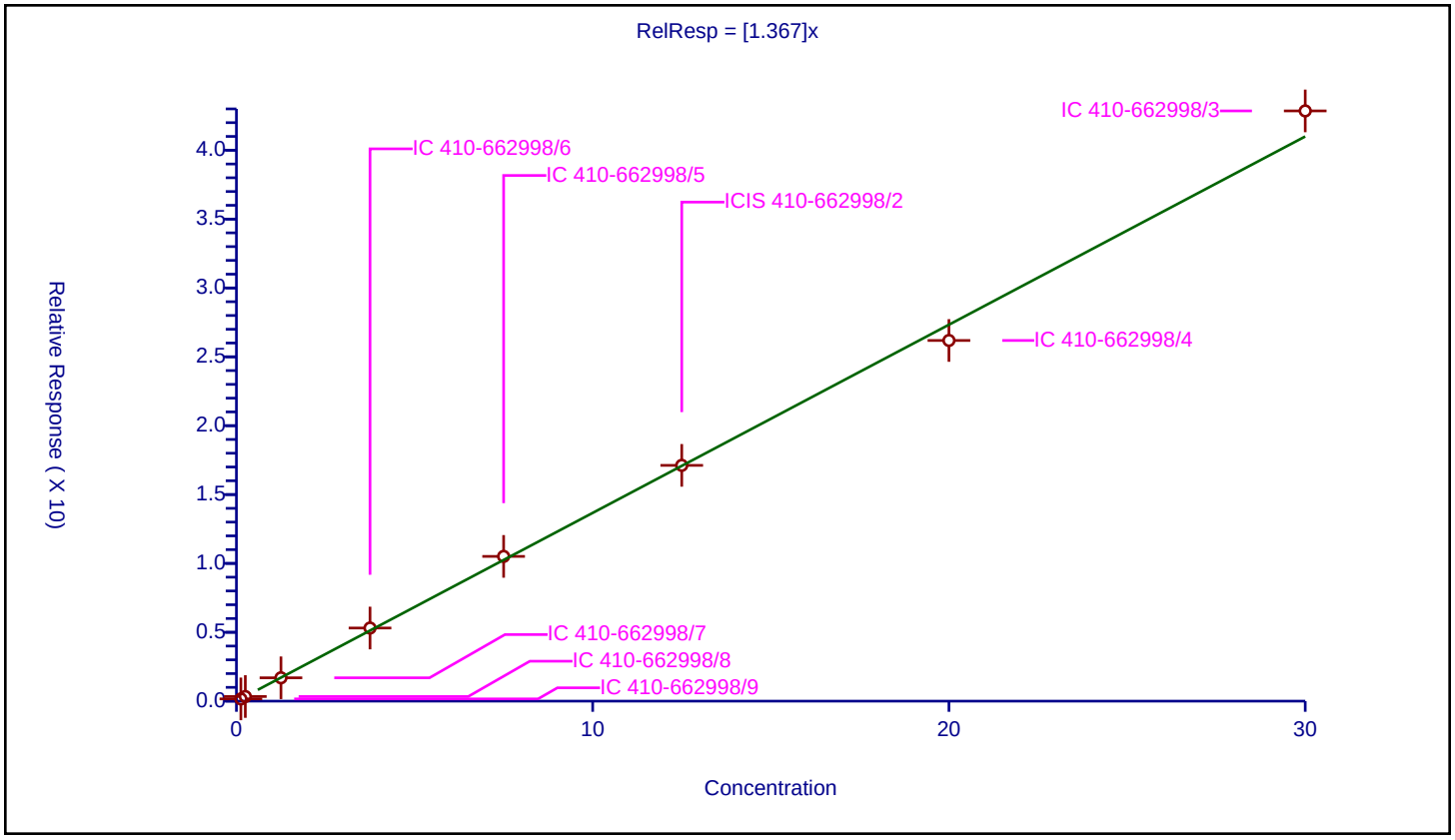
Curve Coefficients

Intercept:	0
Slope:	1.367

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.163424	5.0	305646.0	1.307395	Y
2	IC 410-662998/8	0.25	0.336227	5.0	309731.0	1.344909	Y
3	IC 410-662998/7	1.25	1.694727	5.0	299113.0	1.355782	Y
4	IC 410-662998/6	3.75	5.308533	5.0	319237.0	1.415609	Y
5	IC 410-662998/5	7.5	10.508914	5.0	312037.0	1.401189	Y
6	ICIS 410-662998/2	12.5	17.119436	5.0	347333.0	1.369555	Y
7	IC 410-662998/4	20.0	26.186181	5.0	334363.0	1.309309	Y
8	IC 410-662998/3	30.0	42.853036	5.0	305415.0	1.428435	Y



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Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

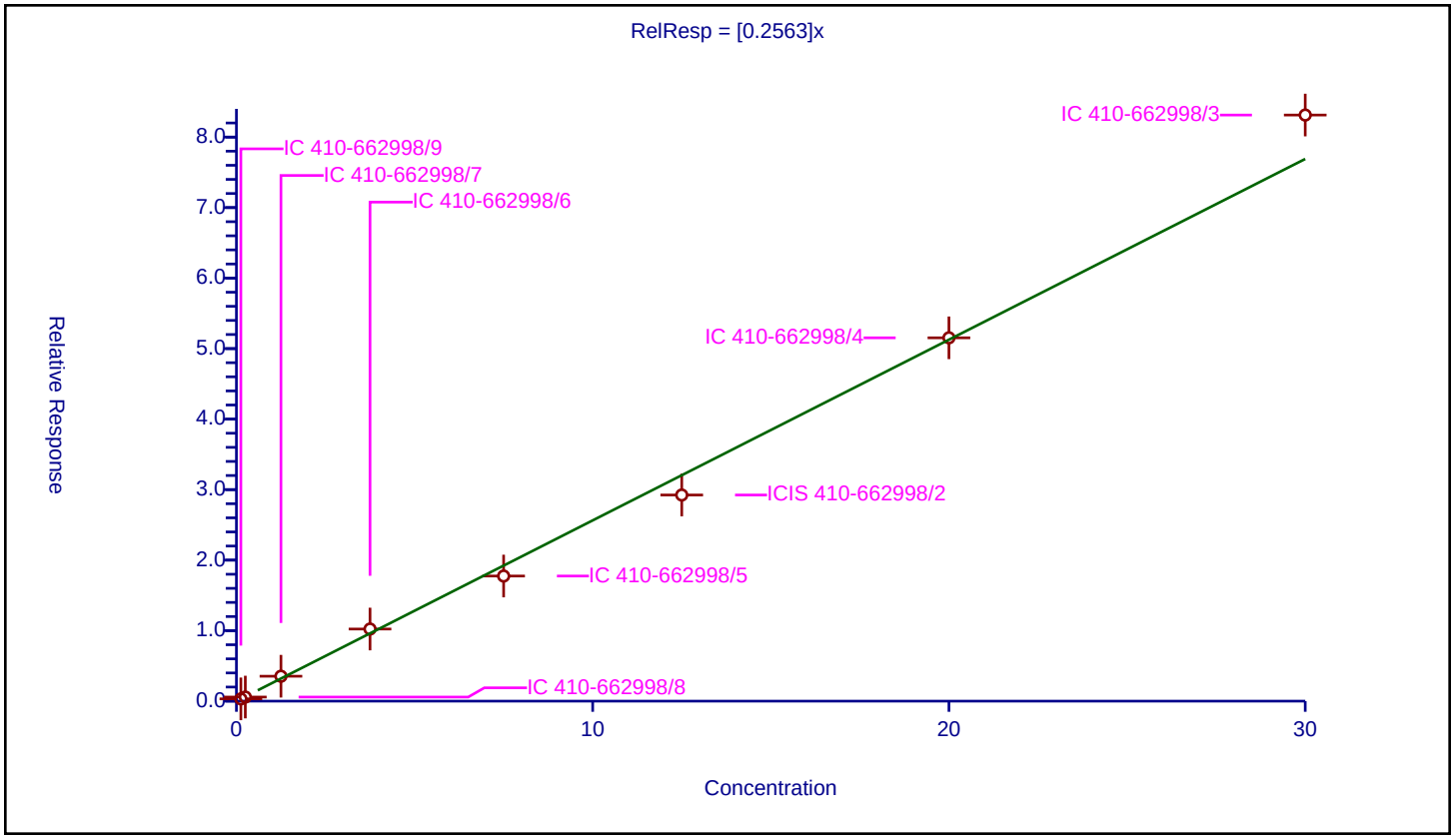
Curve Coefficients

Intercept:	0
Slope:	0.2563

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.03221	5.0	305646.0	0.257684	Y
2	IC 410-662998/8	0.25	0.058018	5.0	309731.0	0.232072	Y
3	IC 410-662998/7	1.25	0.353529	5.0	299113.0	0.282823	Y
4	IC 410-662998/6	3.75	1.022939	5.0	319237.0	0.272784	Y
5	IC 410-662998/5	7.5	1.774357	5.0	312037.0	0.236581	Y
6	ICIS 410-662998/2	12.5	2.923837	5.0	347333.0	0.233907	Y
7	IC 410-662998/4	20.0	5.153172	5.0	334363.0	0.257659	Y
8	IC 410-662998/3	30.0	8.31282	5.0	305415.0	0.277094	Y



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Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

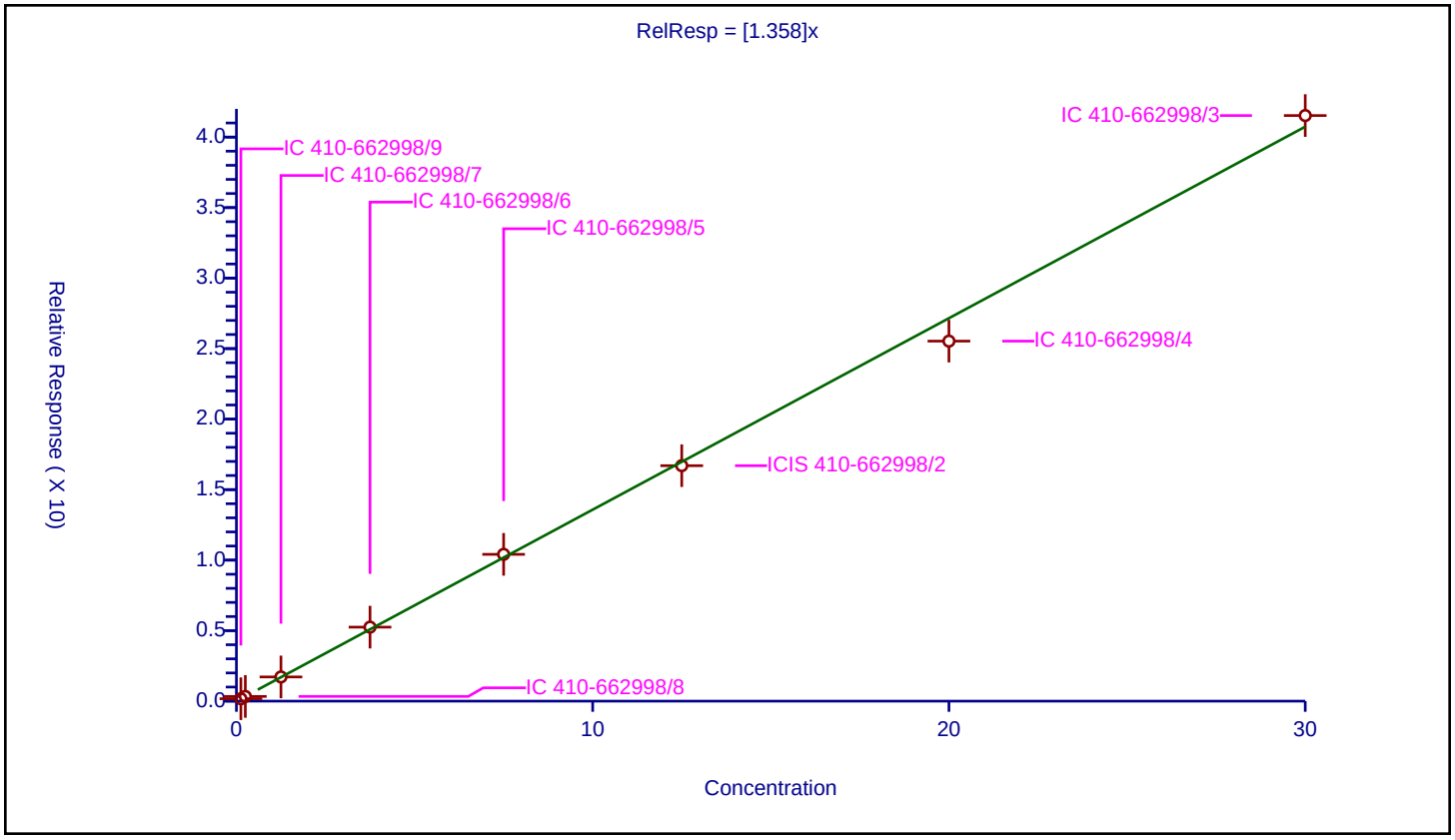
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.171489	5.0	305646.0	1.371914	Y
2	IC 410-662998/8	0.25	0.333451	5.0	309731.0	1.333803	Y
3	IC 410-662998/7	1.25	1.716091	5.0	299113.0	1.372872	Y
4	IC 410-662998/6	3.75	5.247136	5.0	319237.0	1.399236	Y
5	IC 410-662998/5	7.5	10.410833	5.0	312037.0	1.388111	Y
6	ICIS 410-662998/2	12.5	16.698125	5.0	347333.0	1.33585	Y
7	IC 410-662998/4	20.0	25.531548	5.0	334363.0	1.276577	Y
8	IC 410-662998/3	30.0	41.527201	5.0	305415.0	1.38424	Y



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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

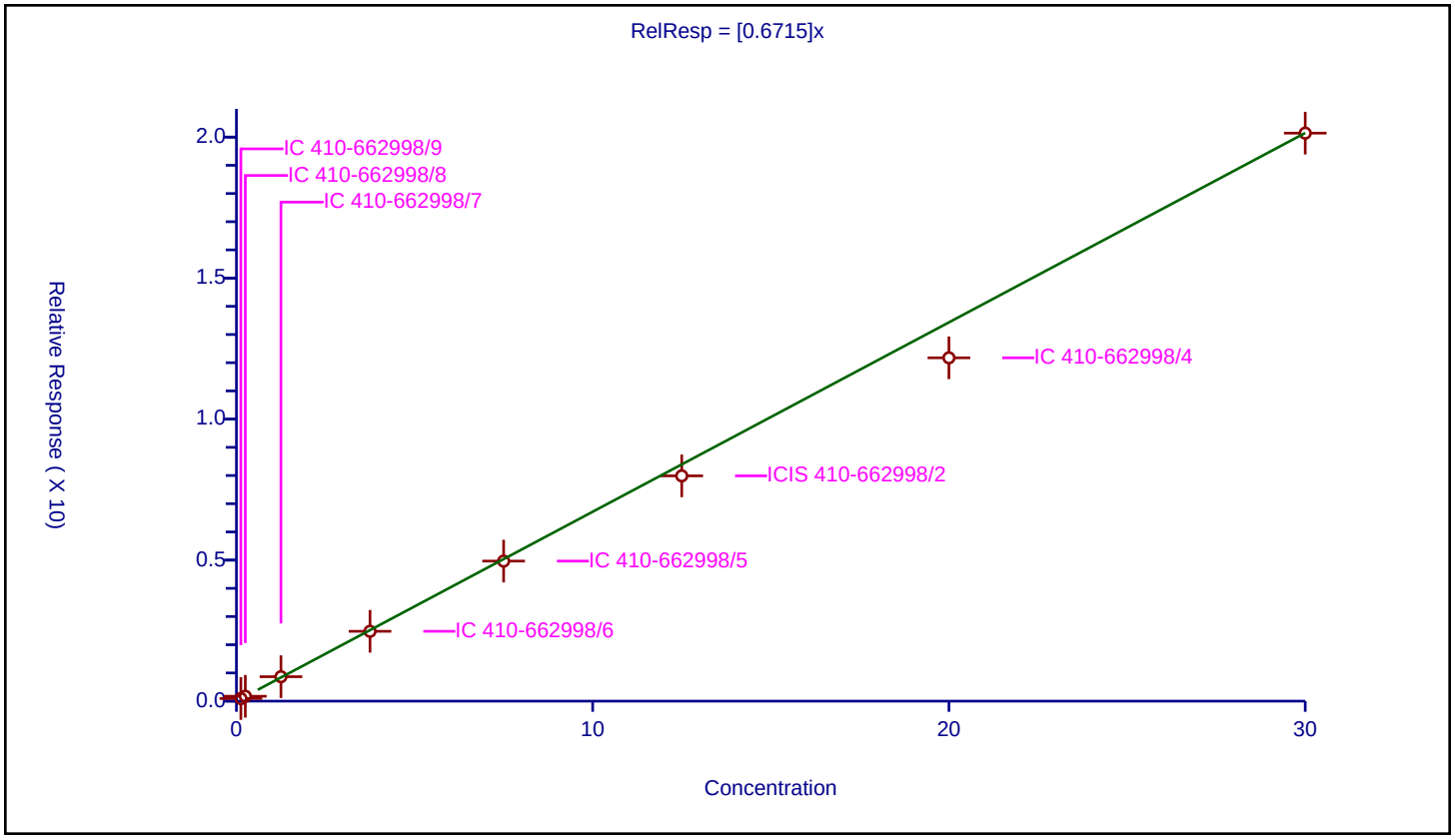
Curve Coefficients

Intercept:	0
Slope:	0.6715

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.092967	5.0	305646.0	0.743736	Y
2	IC 410-662998/8	0.25	0.173392	5.0	309731.0	0.69357	Y
3	IC 410-662998/7	1.25	0.866796	5.0	299113.0	0.693437	Y
4	IC 410-662998/6	3.75	2.476561	5.0	319237.0	0.660416	Y
5	IC 410-662998/5	7.5	4.965805	5.0	312037.0	0.662107	Y
6	ICIS 410-662998/2	12.5	7.987695	5.0	347333.0	0.639016	Y
7	IC 410-662998/4	20.0	12.173865	5.0	334363.0	0.608693	Y
8	IC 410-662998/3	30.0	20.140317	5.0	305415.0	0.671344	Y



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Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

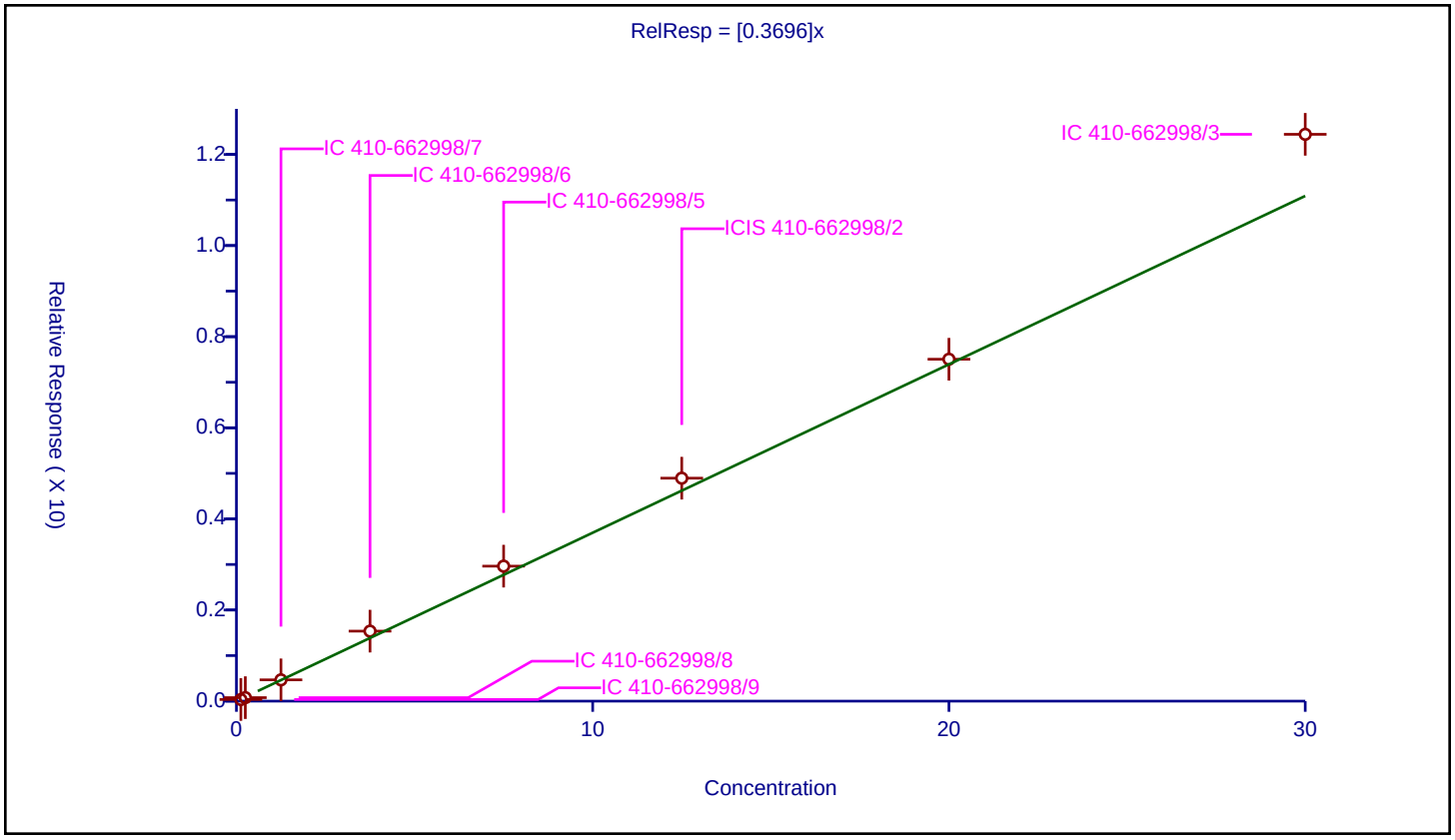
Curve Coefficients

Intercept:	0
Slope:	0.3696

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.036218	5.0	305646.0	0.289747	Y
2	IC 410-662998/8	0.25	0.076792	5.0	309731.0	0.30717	Y
3	IC 410-662998/7	1.25	0.467248	5.0	299113.0	0.373799	Y
4	IC 410-662998/6	3.75	1.536633	5.0	319237.0	0.409769	Y
5	IC 410-662998/5	7.5	2.963383	5.0	312037.0	0.395118	Y
6	ICIS 410-662998/2	12.5	4.894093	5.0	347333.0	0.391527	Y
7	IC 410-662998/4	20.0	7.504927	5.0	334363.0	0.375246	Y
8	IC 410-662998/3	30.0	12.441432	5.0	305415.0	0.414714	Y



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Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

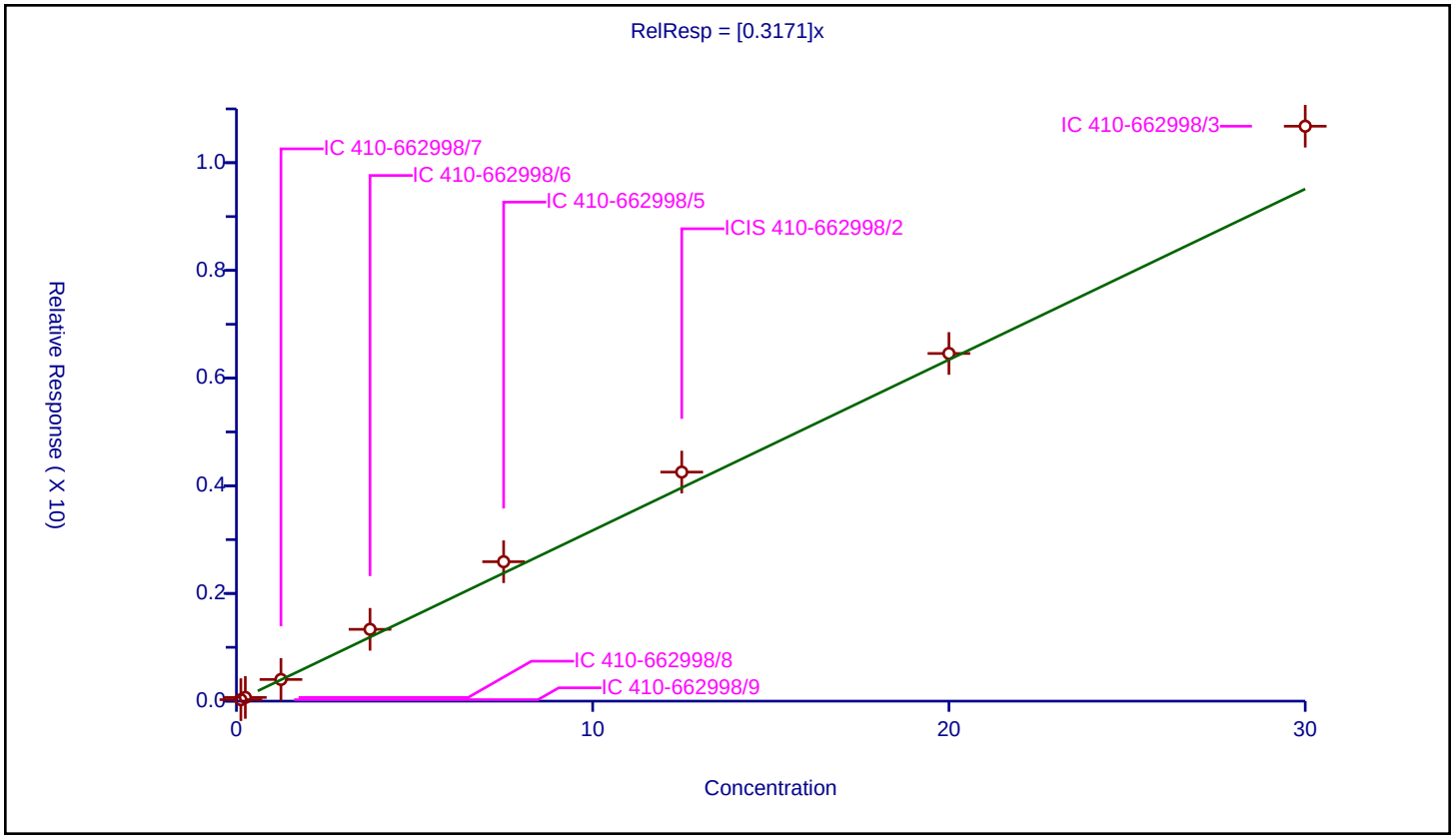
Curve Coefficients

Intercept:	0
Slope:	0.3171

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.027254	5.0	305646.0	0.21803	Y
2	IC 410-662998/8	0.25	0.069173	5.0	309731.0	0.276692	Y
3	IC 410-662998/7	1.25	0.402206	5.0	299113.0	0.321765	Y
4	IC 410-662998/6	3.75	1.33404	5.0	319237.0	0.355744	Y
5	IC 410-662998/5	7.5	2.589469	5.0	312037.0	0.345262	Y
6	ICIS 410-662998/2	12.5	4.254404	5.0	347333.0	0.340352	Y
7	IC 410-662998/4	20.0	6.457563	5.0	334363.0	0.322878	Y
8	IC 410-662998/3	30.0	10.678683	5.0	305415.0	0.355956	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

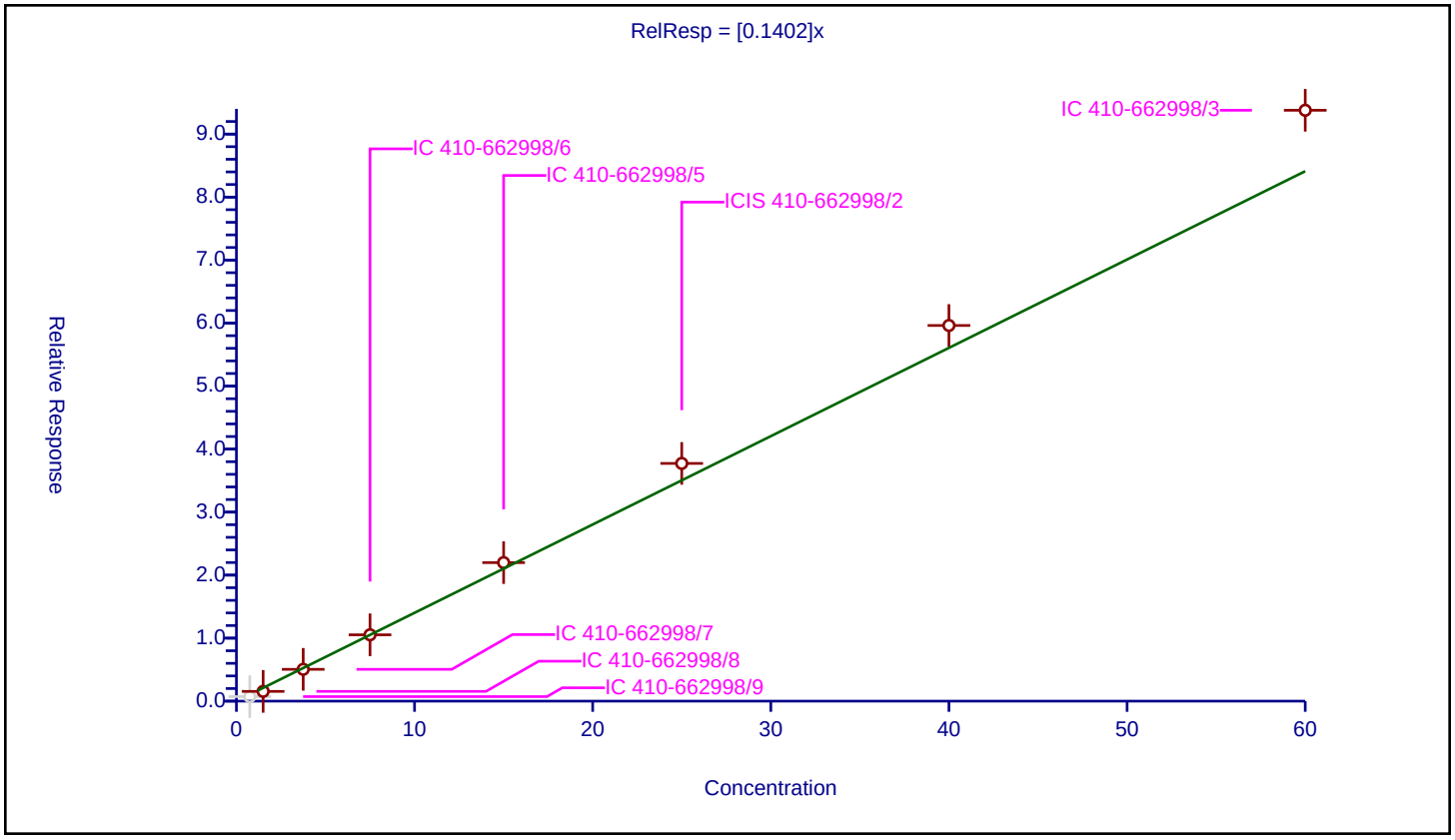
Curve Coefficients

Intercept:	0
Slope:	0.1402

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.75	0.072079	5.0	551135.0	0.096105	N
2	IC 410-662998/8	1.5	0.154965	5.0	563934.0	0.10331	Y
3	IC 410-662998/7	3.75	0.505113	5.0	540226.0	0.134697	Y
4	IC 410-662998/6	7.5	1.052919	5.0	571283.0	0.140389	Y
5	IC 410-662998/5	15.0	2.198902	5.0	559909.0	0.146593	Y
6	ICIS 410-662998/2	25.0	3.773172	5.0	602020.0	0.150927	Y
7	IC 410-662998/4	40.0	5.962334	5.0	561297.0	0.149058	Y
8	IC 410-662998/3	60.0	9.377992	5.0	543916.0	0.1563	Y



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Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

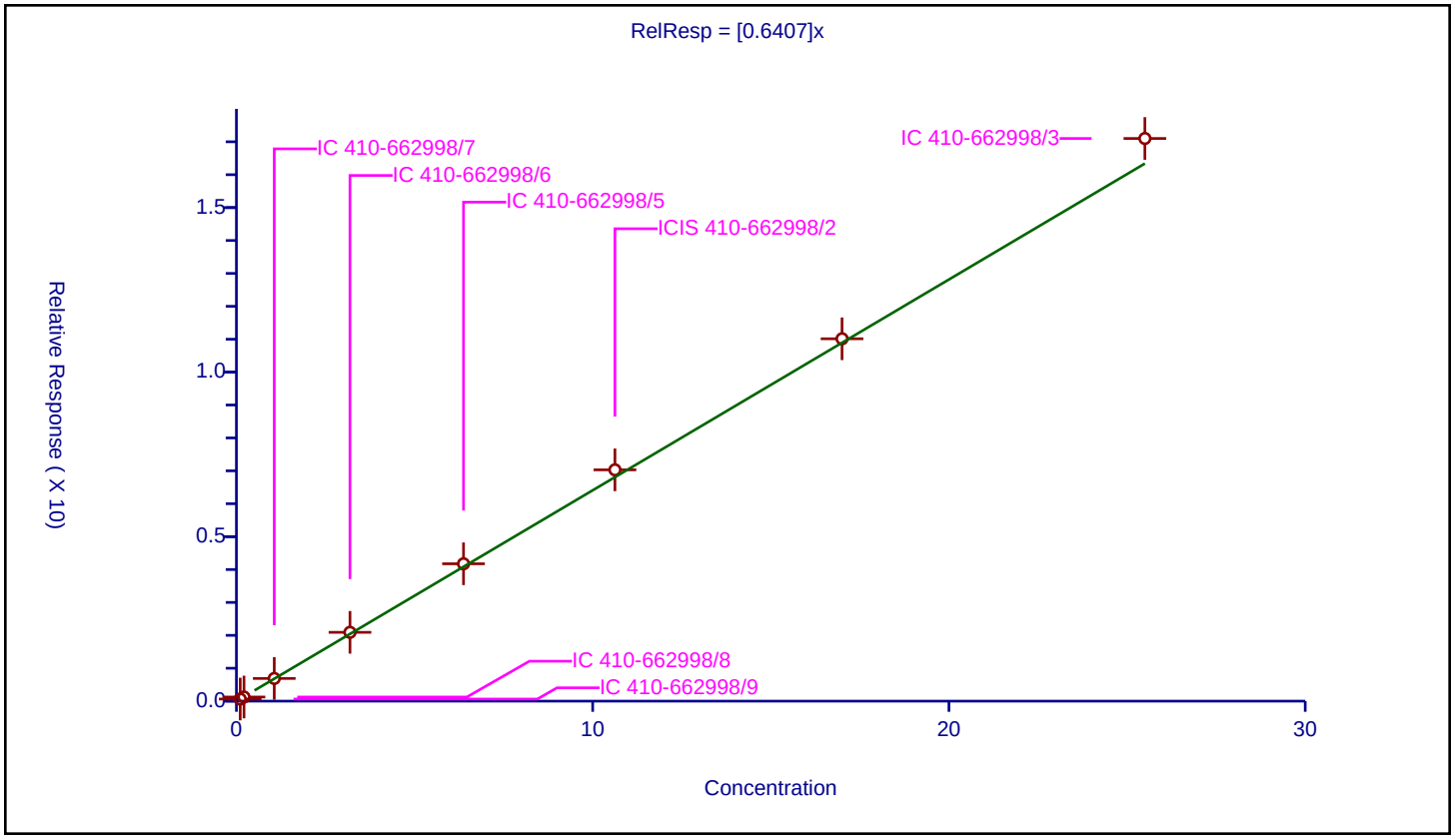
Curve Coefficients

Intercept:	0
Slope:	0.6407

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.10625	0.063669	5.0	551135.0	0.599234	Y
2	IC 410-662998/8	0.2125	0.124678	5.0	563934.0	0.586719	Y
3	IC 410-662998/7	1.0625	0.689434	5.0	540226.0	0.648879	Y
4	IC 410-662998/6	3.1875	2.091643	5.0	571283.0	0.656202	Y
5	IC 410-662998/5	6.375	4.17458	5.0	559909.0	0.654836	Y
6	ICIS 410-662998/2	10.625	7.030041	5.0	602020.0	0.661651	Y
7	IC 410-662998/4	17.0	11.012975	5.0	561297.0	0.647822	Y
8	IC 410-662998/3	25.5	17.100922	5.0	543916.0	0.670624	Y



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Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

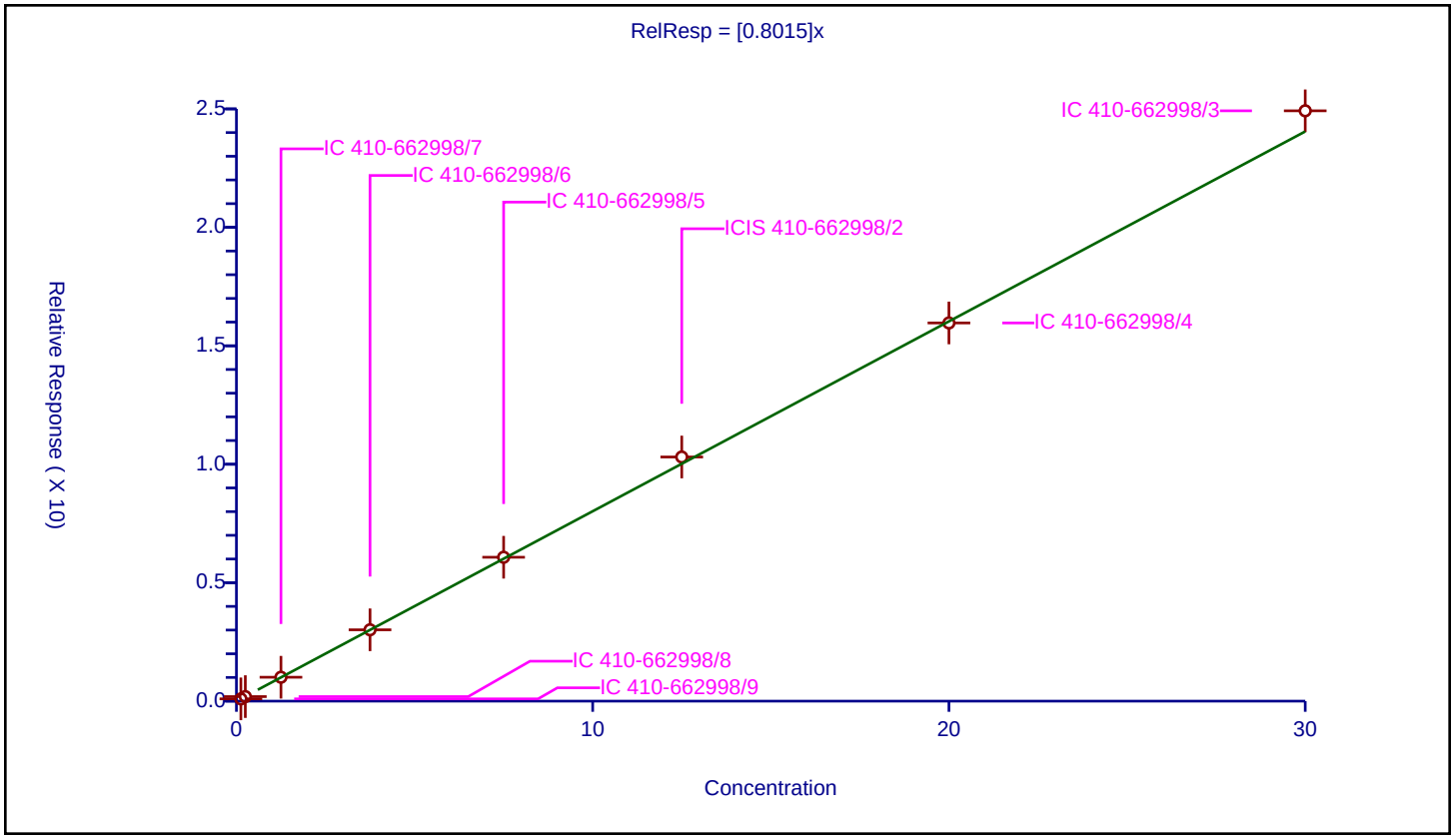
Curve Coefficients

Intercept:	0
Slope:	0.8015

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.096247	5.0	551135.0	0.769975	Y
2	IC 410-662998/8	0.25	0.192159	5.0	563934.0	0.768636	Y
3	IC 410-662998/7	1.25	1.009291	5.0	540226.0	0.807432	Y
4	IC 410-662998/6	3.75	3.011756	5.0	571283.0	0.803135	Y
5	IC 410-662998/5	7.5	6.073469	5.0	559909.0	0.809796	Y
6	ICIS 410-662998/2	12.5	10.305646	5.0	602020.0	0.824452	Y
7	IC 410-662998/4	20.0	15.96465	5.0	561297.0	0.798232	Y
8	IC 410-662998/3	30.0	24.919022	5.0	543916.0	0.830634	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

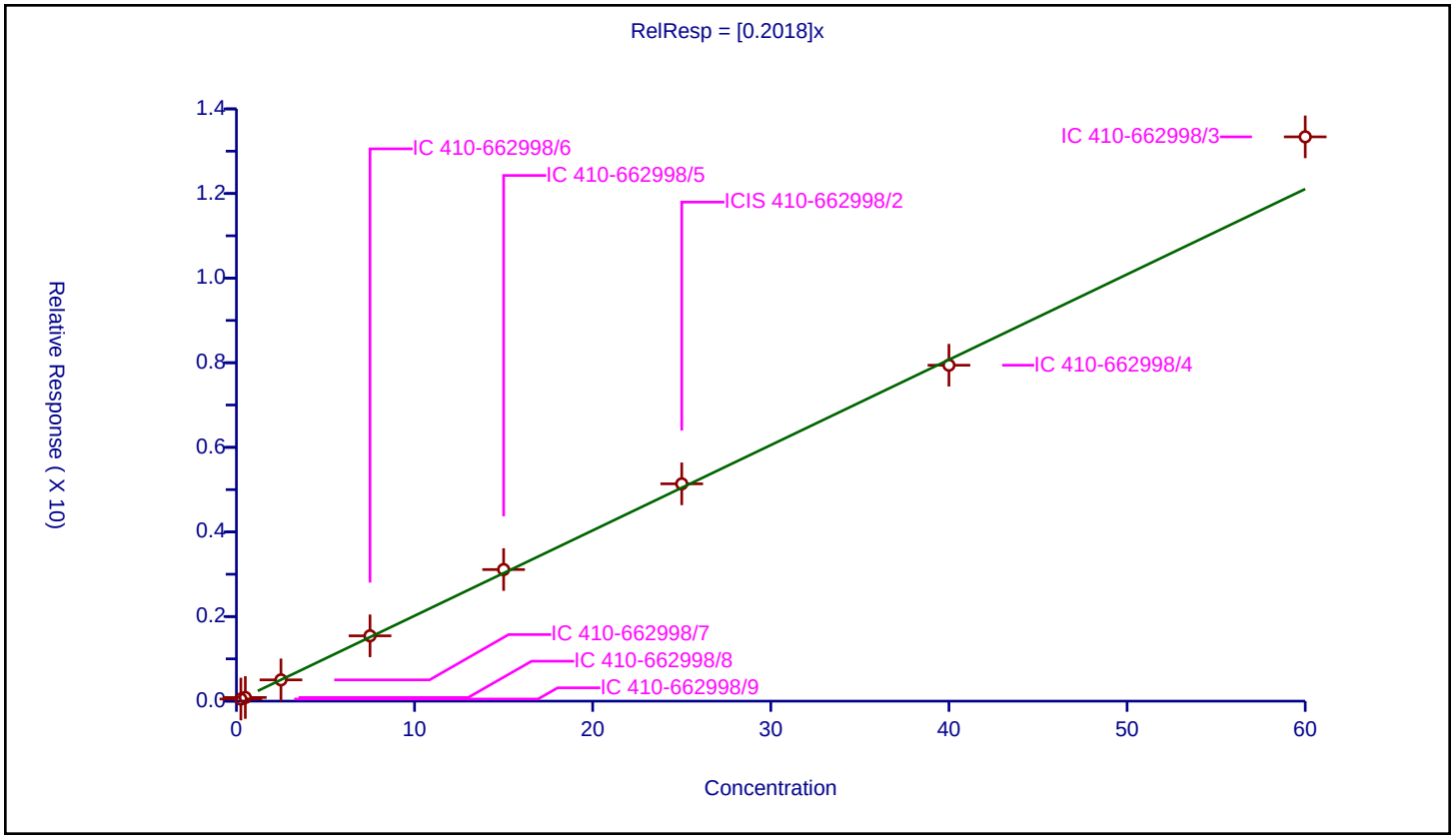
Curve Coefficients

Intercept:	0
Slope:	0.2018

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.050107	5.0	305646.0	0.200428	Y
2	IC 410-662998/8	0.5	0.086559	5.0	309731.0	0.173118	Y
3	IC 410-662998/7	2.5	0.502636	5.0	299113.0	0.201054	Y
4	IC 410-662998/6	7.5	1.544151	5.0	319237.0	0.205887	Y
5	IC 410-662998/5	15.0	3.110256	5.0	312037.0	0.20735	Y
6	ICIS 410-662998/2	25.0	5.137447	5.0	347333.0	0.205498	Y
7	IC 410-662998/4	40.0	7.940562	5.0	334363.0	0.198514	Y
8	IC 410-662998/3	60.0	13.339096	5.0	305415.0	0.222318	Y



Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

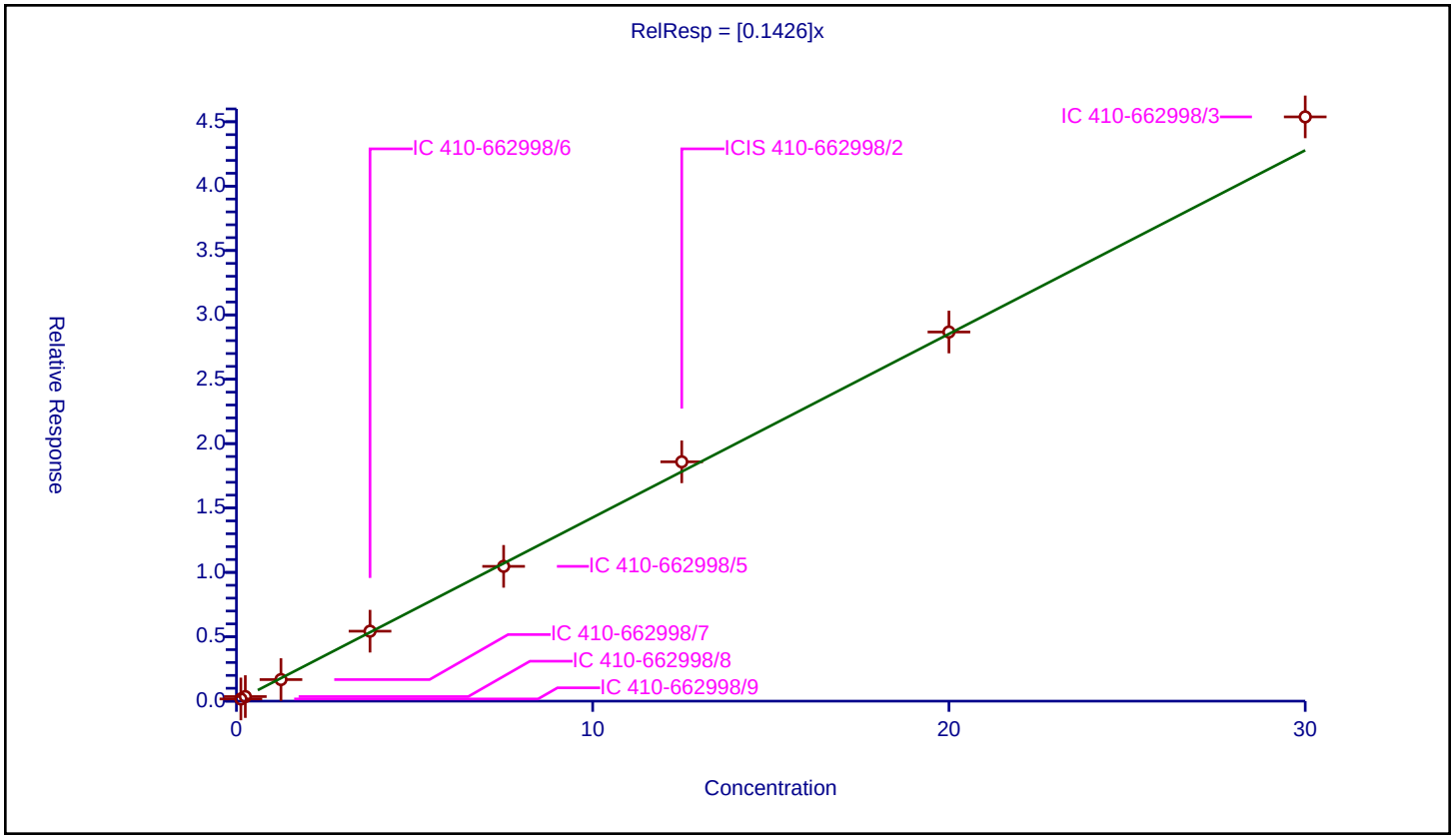
Curve Coefficients

Intercept:	0
Slope:	0.1426

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.017137	5.0	551135.0	0.137099	Y
2	IC 410-662998/8	0.25	0.035509	5.0	563934.0	0.142038	Y
3	IC 410-662998/7	1.25	0.167495	5.0	540226.0	0.133996	Y
4	IC 410-662998/6	3.75	0.543382	5.0	571283.0	0.144902	Y
5	IC 410-662998/5	7.5	1.046849	5.0	559909.0	0.13958	Y
6	ICIS 410-662998/2	12.5	1.858701	5.0	602020.0	0.148696	Y
7	IC 410-662998/4	20.0	2.867145	5.0	561297.0	0.143357	Y
8	IC 410-662998/3	30.0	4.537953	5.0	543916.0	0.151265	Y



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Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

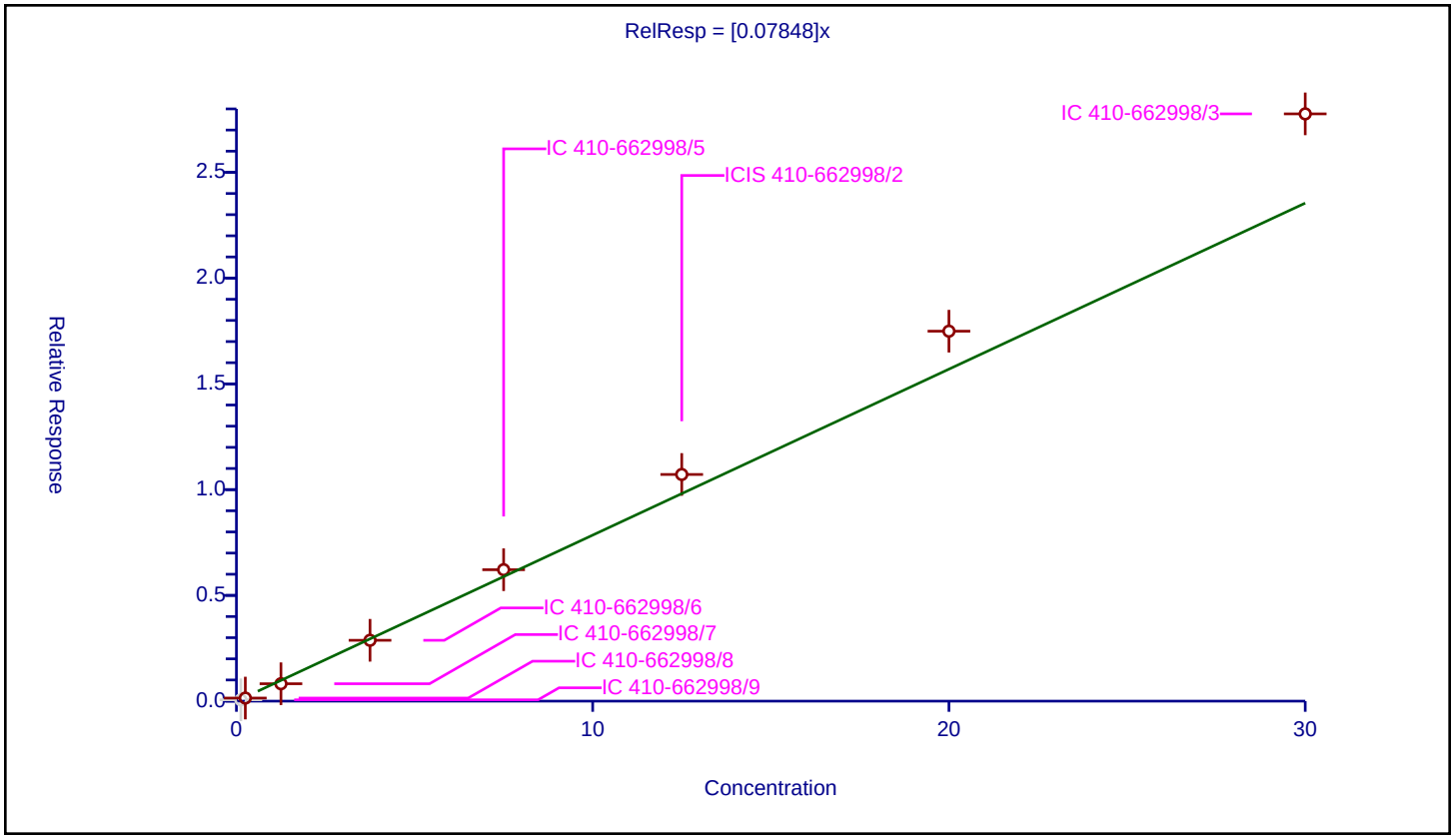
Curve Coefficients

Intercept:	0
Slope:	0.07848

Error Coefficients

Relative Standard Deviation:	15.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.006233	5.0	551135.0	0.049861	N
2	IC 410-662998/8	0.25	0.014558	5.0	563934.0	0.058234	Y
3	IC 410-662998/7	1.25	0.082308	5.0	540226.0	0.065847	Y
4	IC 410-662998/6	3.75	0.287677	5.0	571283.0	0.076714	Y
5	IC 410-662998/5	7.5	0.621378	5.0	559909.0	0.08285	Y
6	ICIS 410-662998/2	12.5	1.071617	5.0	602020.0	0.085729	Y
7	IC 410-662998/4	20.0	1.749047	5.0	561297.0	0.087452	Y
8	IC 410-662998/3	30.0	2.776421	5.0	543916.0	0.092547	Y



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Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

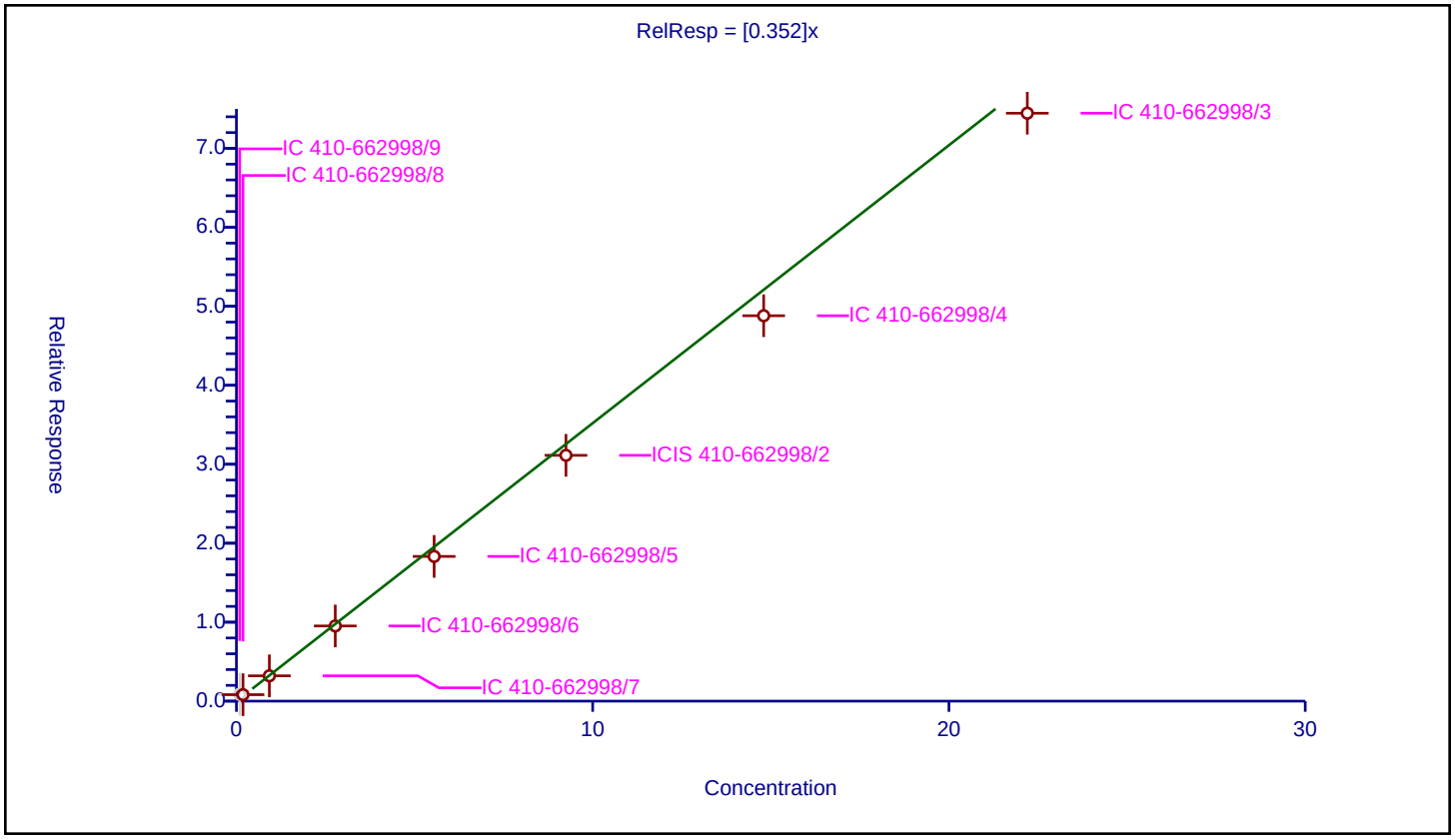
Curve Coefficients

Intercept:	0
Slope:	0.352

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.0925	0.087665	5.0	551135.0	0.947725	N
2	IC 410-662998/8	0.185	0.081845	5.0	563934.0	0.442404	Y
3	IC 410-662998/7	0.925	0.320607	5.0	540226.0	0.346602	Y
4	IC 410-662998/6	2.775	0.952006	5.0	571283.0	0.343065	Y
5	IC 410-662998/5	5.55	1.832467	5.0	559909.0	0.330174	Y
6	ICIS 410-662998/2	9.25	3.112853	5.0	602020.0	0.336525	Y
7	IC 410-662998/4	14.8	4.880776	5.0	561297.0	0.329782	Y
8	IC 410-662998/3	22.2	7.445396	5.0	543916.0	0.335378	Y



Calibration / Phorate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

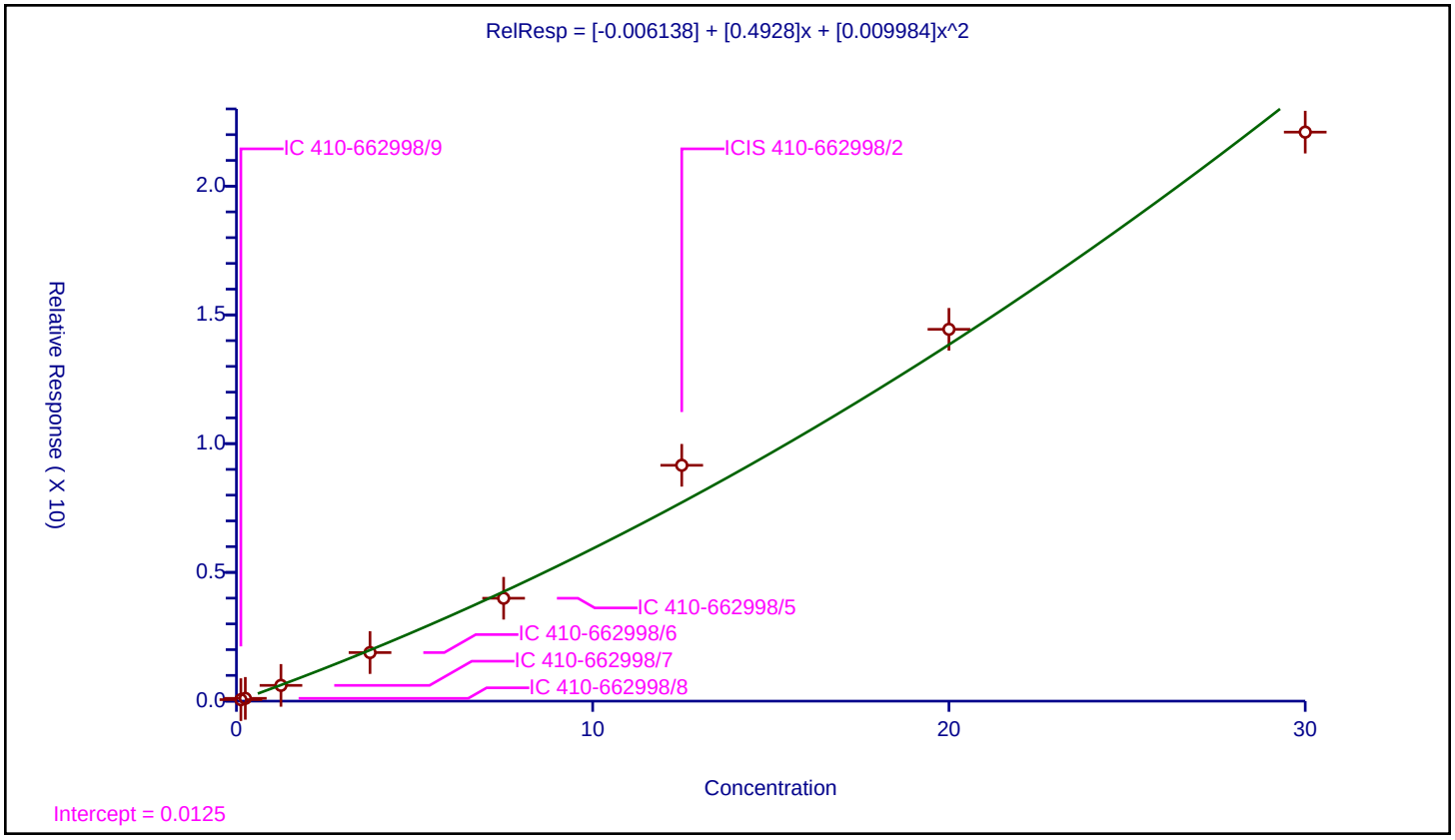
Curve Coefficients

Intercept:	-0.006138
Slope:	0.4928
Second Order:	0.009984

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.058325	5.0	551135.0	0.466601	Y
2	IC 410-662998/8	0.25	0.107601	5.0	563934.0	0.430405	Y
3	IC 410-662998/7	1.25	0.611513	5.0	540226.0	0.48921	Y
4	IC 410-662998/6	3.75	1.88572	5.0	571283.0	0.502859	Y
5	IC 410-662998/5	7.5	3.996069	5.0	559909.0	0.532809	Y
6	ICIS 410-662998/2	12.5	9.159289	5.0	602020.0	0.732743	Y
7	IC 410-662998/4	20.0	14.439753	5.0	561297.0	0.721988	Y
8	IC 410-662998/3	30.0	22.098072	5.0	543916.0	0.736602	Y



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Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

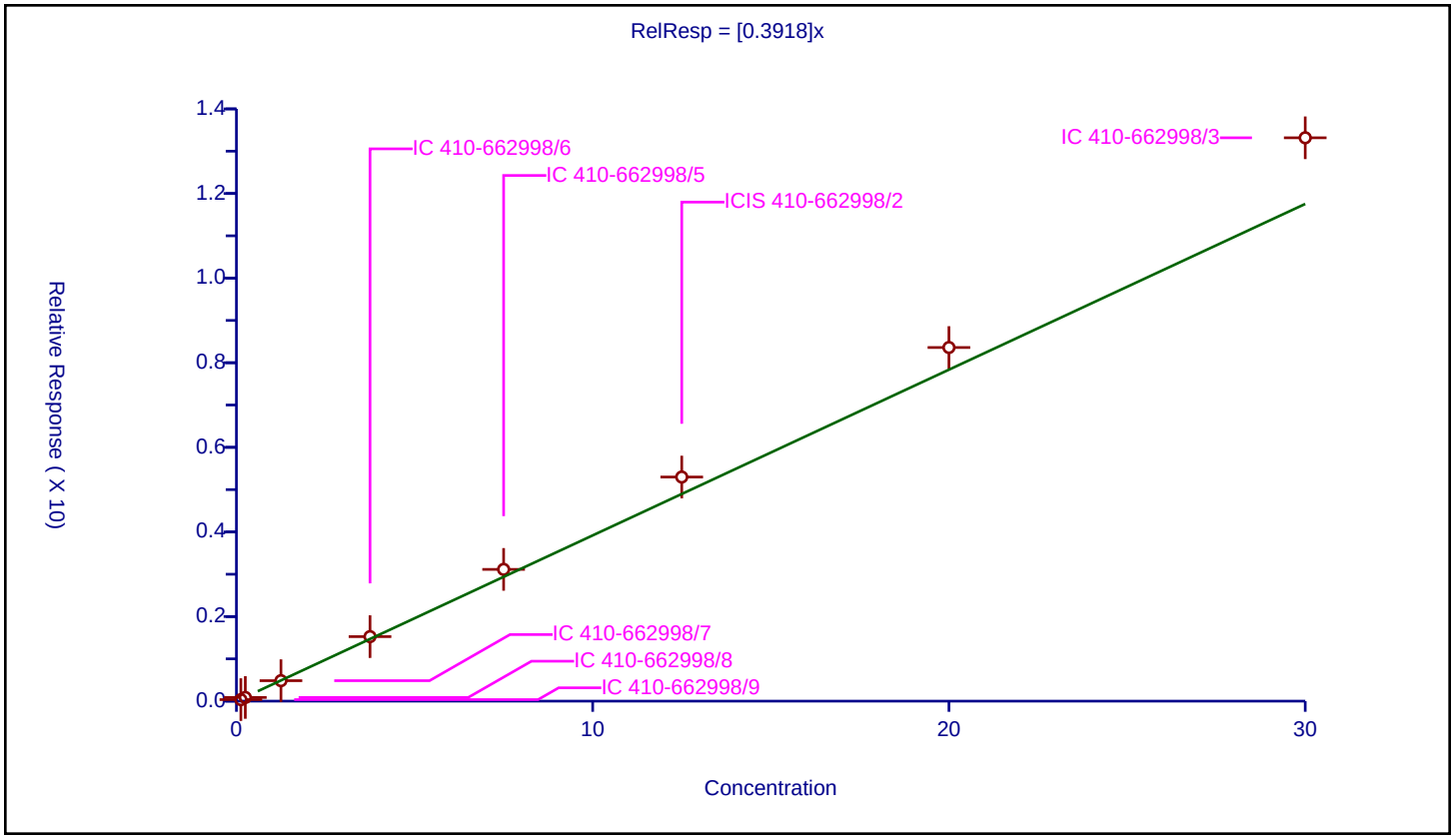
Curve Coefficients

Intercept:	0
Slope:	0.3918

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.036243	5.0	551135.0	0.289947	Y
2	IC 410-662998/8	0.25	0.087368	5.0	563934.0	0.349474	Y
3	IC 410-662998/7	1.25	0.483788	5.0	540226.0	0.387031	Y
4	IC 410-662998/6	3.75	1.525295	5.0	571283.0	0.406745	Y
5	IC 410-662998/5	7.5	3.114569	5.0	559909.0	0.415276	Y
6	ICIS 410-662998/2	12.5	5.29803	5.0	602020.0	0.423842	Y
7	IC 410-662998/4	20.0	8.359407	5.0	561297.0	0.41797	Y
8	IC 410-662998/3	30.0	13.316946	5.0	543916.0	0.443898	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

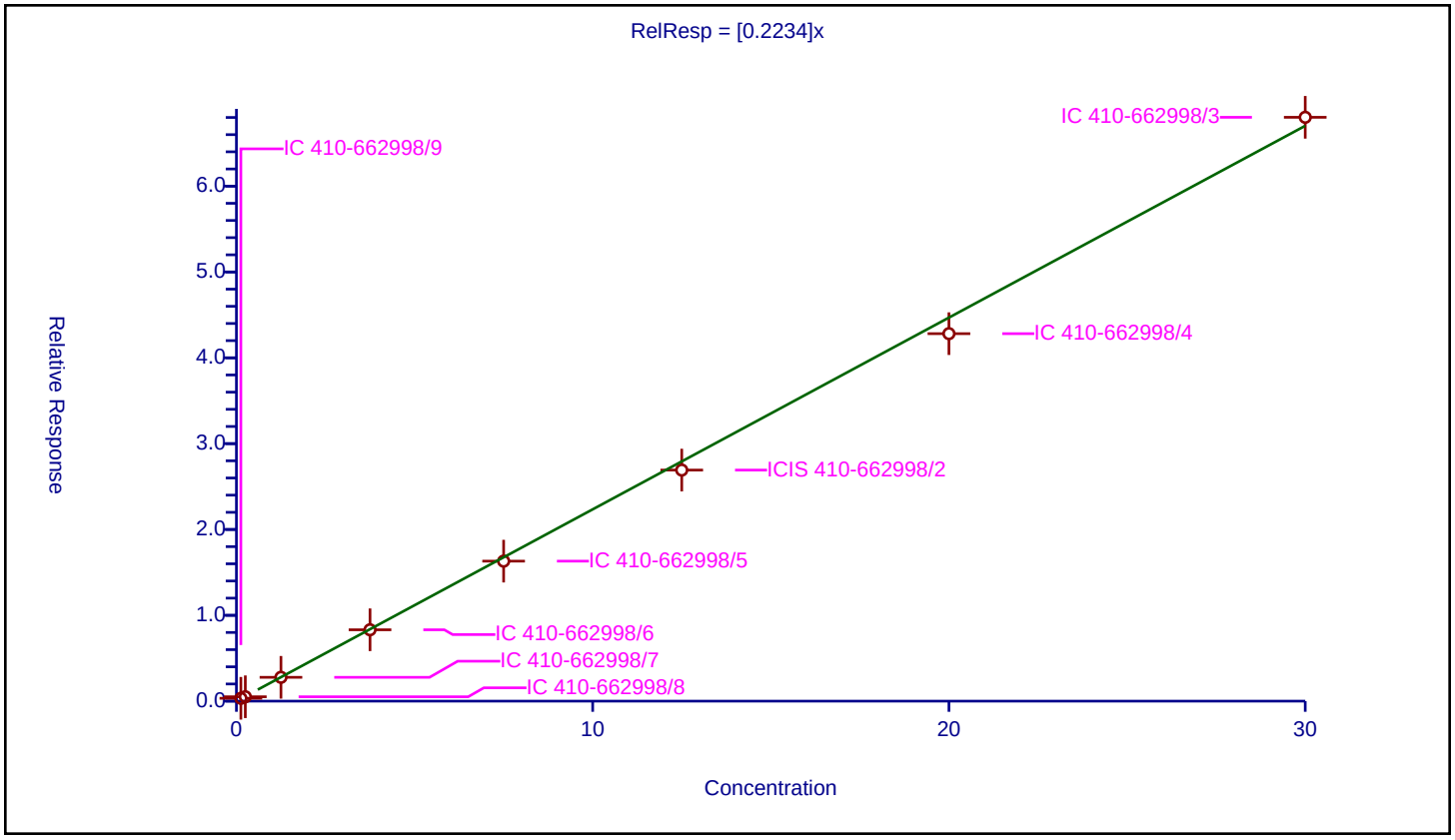
Curve Coefficients

Intercept:	0
Slope:	0.2234

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.033286	5.0	551135.0	0.266287	Y
2	IC 410-662998/8	0.25	0.050901	5.0	563934.0	0.203605	Y
3	IC 410-662998/7	1.25	0.277615	5.0	540226.0	0.222092	Y
4	IC 410-662998/6	3.75	0.831506	5.0	571283.0	0.221735	Y
5	IC 410-662998/5	7.5	1.631149	5.0	559909.0	0.217487	Y
6	ICIS 410-662998/2	12.5	2.691871	5.0	602020.0	0.21535	Y
7	IC 410-662998/4	20.0	4.281468	5.0	561297.0	0.214073	Y
8	IC 410-662998/3	30.0	6.801832	5.0	543916.0	0.226728	Y



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Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

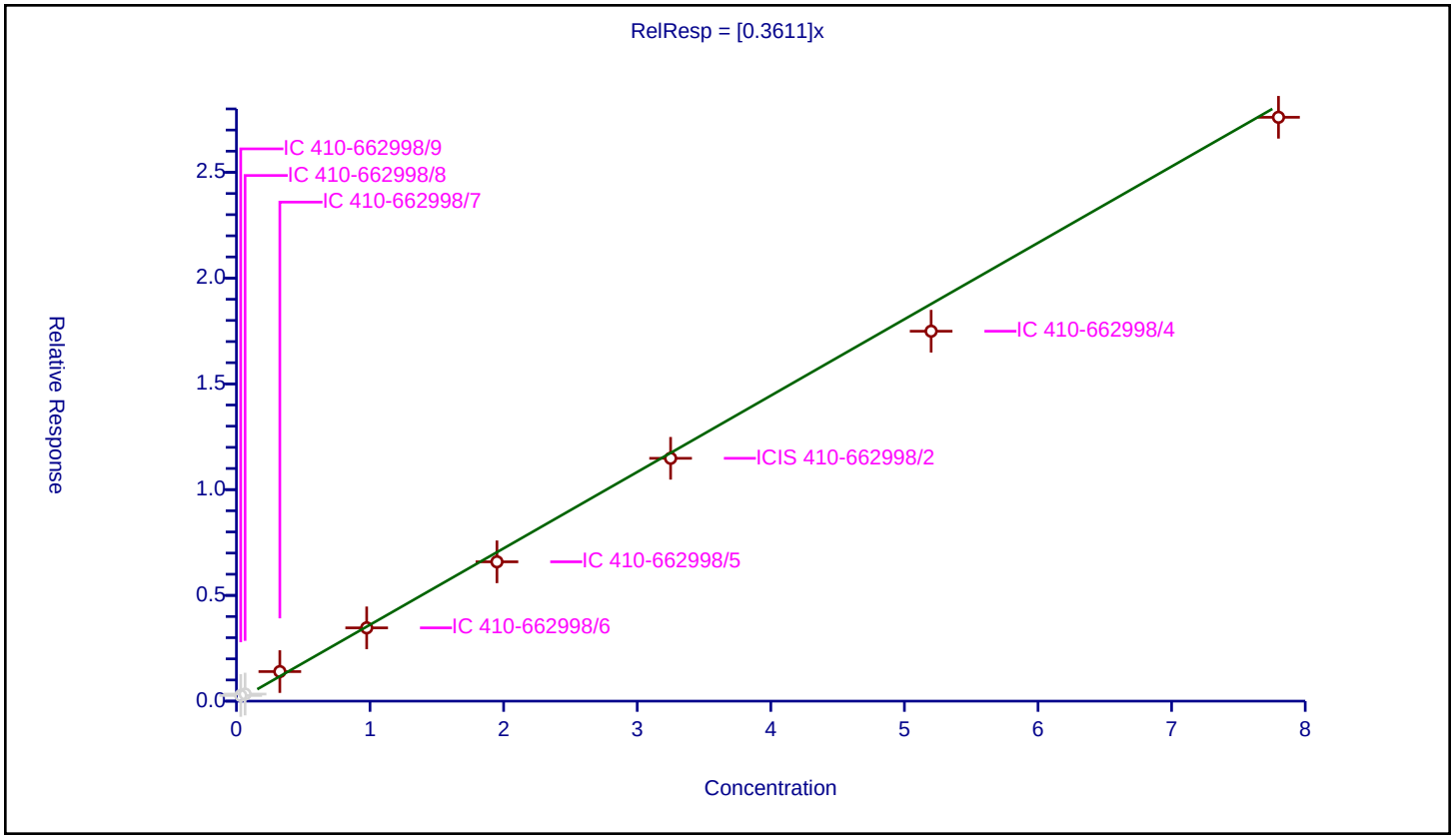
Curve Coefficients

Intercept:	0
Slope:	0.3611

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.0325	0.026763	5.0	551135.0	0.823475	N
2	IC 410-662998/8	0.065	0.03339	5.0	563934.0	0.513699	N
3	IC 410-662998/7	0.325	0.139719	5.0	540226.0	0.429906	Y
4	IC 410-662998/6	0.975	0.346475	5.0	571283.0	0.355358	Y
5	IC 410-662998/5	1.95	0.658741	5.0	559909.0	0.337816	Y
6	ICIS 410-662998/2	3.25	1.148101	5.0	602020.0	0.353262	Y
7	IC 410-662998/4	5.2	1.748905	5.0	561297.0	0.336328	Y
8	IC 410-662998/3	7.8	2.760288	5.0	543916.0	0.353883	Y



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Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

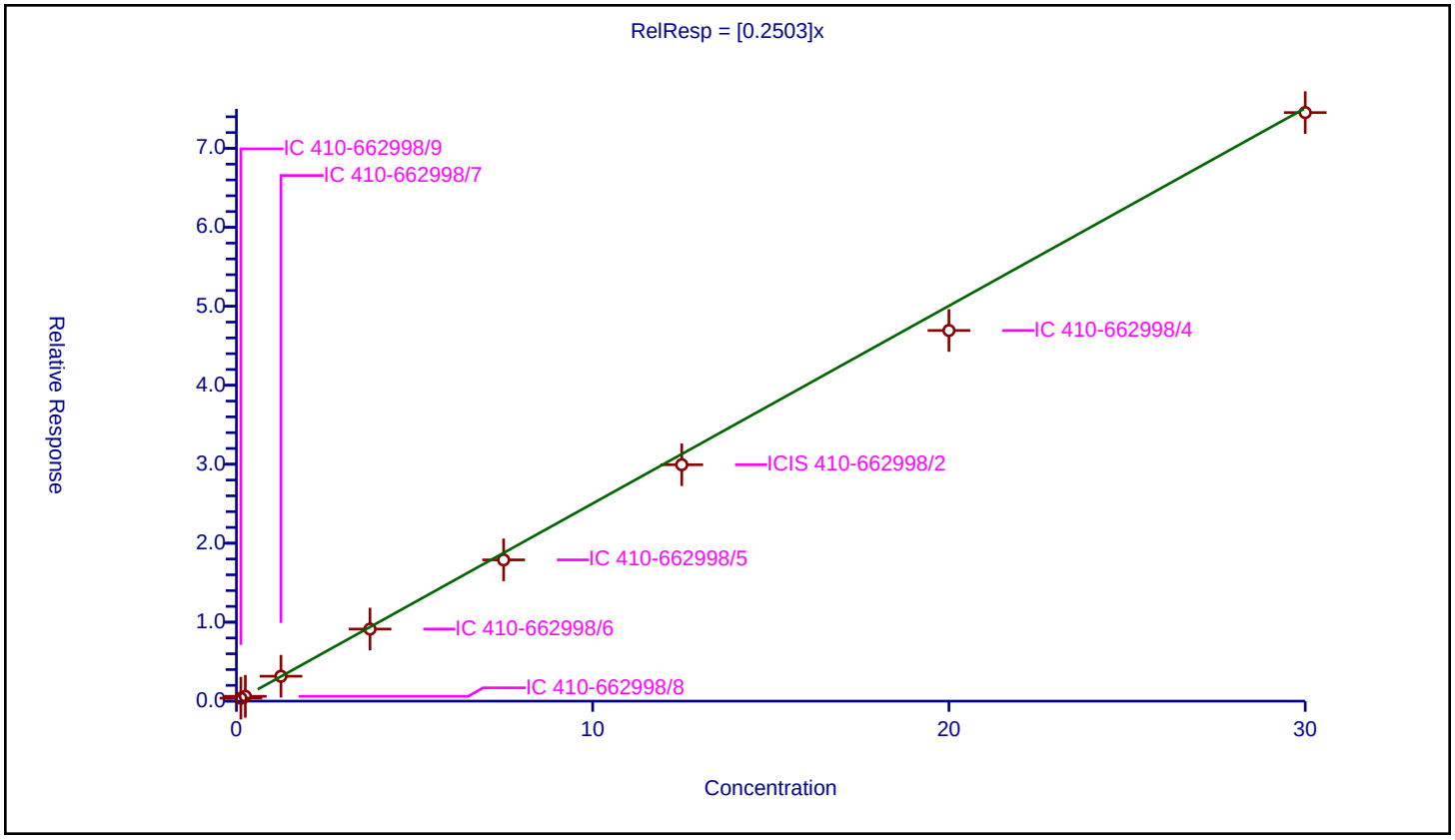
Curve Coefficients

Intercept:	0
Slope:	0.2503

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.037613	5.0	551135.0	0.300906	Y
2	IC 410-662998/8	0.25	0.061098	5.0	563934.0	0.24439	Y
3	IC 410-662998/7	1.25	0.315664	5.0	540226.0	0.252531	Y
4	IC 410-662998/6	3.75	0.912761	5.0	571283.0	0.243403	Y
5	IC 410-662998/5	7.5	1.788657	5.0	559909.0	0.238488	Y
6	ICIS 410-662998/2	12.5	2.993887	5.0	602020.0	0.239511	Y
7	IC 410-662998/4	20.0	4.693647	5.0	561297.0	0.234682	Y
8	IC 410-662998/3	30.0	7.453274	5.0	543916.0	0.248442	Y



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Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

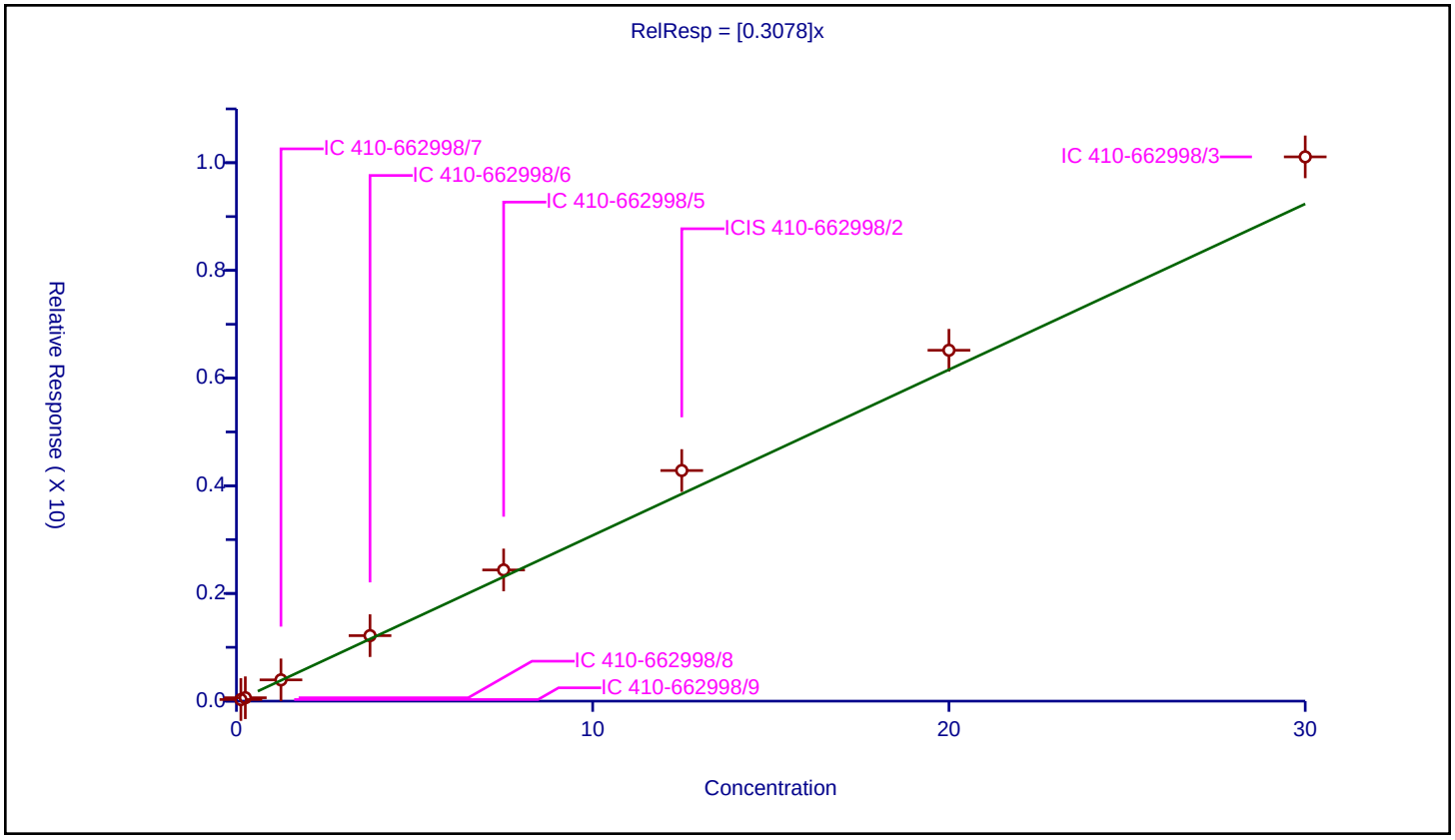
Curve Coefficients

Intercept:	0
Slope:	0.3078

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.029847	5.0	551135.0	0.23878	Y
2	IC 410-662998/8	0.25	0.06327	5.0	563934.0	0.253079	Y
3	IC 410-662998/7	1.25	0.395168	5.0	540226.0	0.316134	Y
4	IC 410-662998/6	3.75	1.216569	5.0	571283.0	0.324418	Y
5	IC 410-662998/5	7.5	2.436414	5.0	559909.0	0.324855	Y
6	ICIS 410-662998/2	12.5	4.283114	5.0	602020.0	0.342649	Y
7	IC 410-662998/4	20.0	6.517174	5.0	561297.0	0.325859	Y
8	IC 410-662998/3	30.0	10.109208	5.0	543916.0	0.336974	Y



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Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

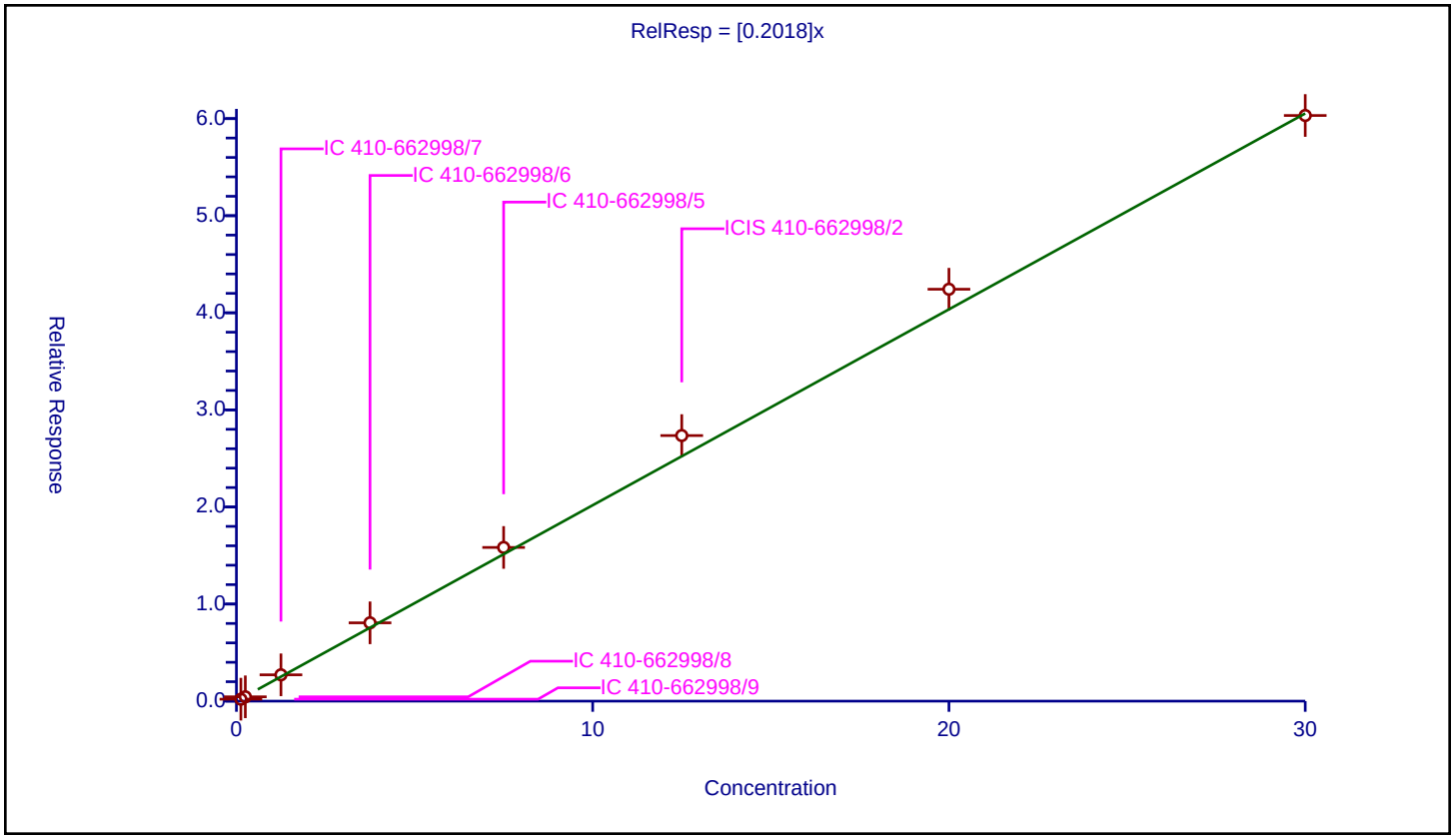
Curve Coefficients

Intercept:	0
Slope:	0.2018

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.020095	5.0	551135.0	0.160759	Y
2	IC 410-662998/8	0.25	0.04458	5.0	563934.0	0.178319	Y
3	IC 410-662998/7	1.25	0.271155	5.0	540226.0	0.216924	Y
4	IC 410-662998/6	3.75	0.806649	5.0	571283.0	0.215106	Y
5	IC 410-662998/5	7.5	1.582963	5.0	559909.0	0.211062	Y
6	ICIS 410-662998/2	12.5	2.735333	5.0	602020.0	0.218827	Y
7	IC 410-662998/4	20.0	4.242433	5.0	561297.0	0.212122	Y
8	IC 410-662998/3	30.0	6.031896	5.0	543916.0	0.201063	Y



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Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

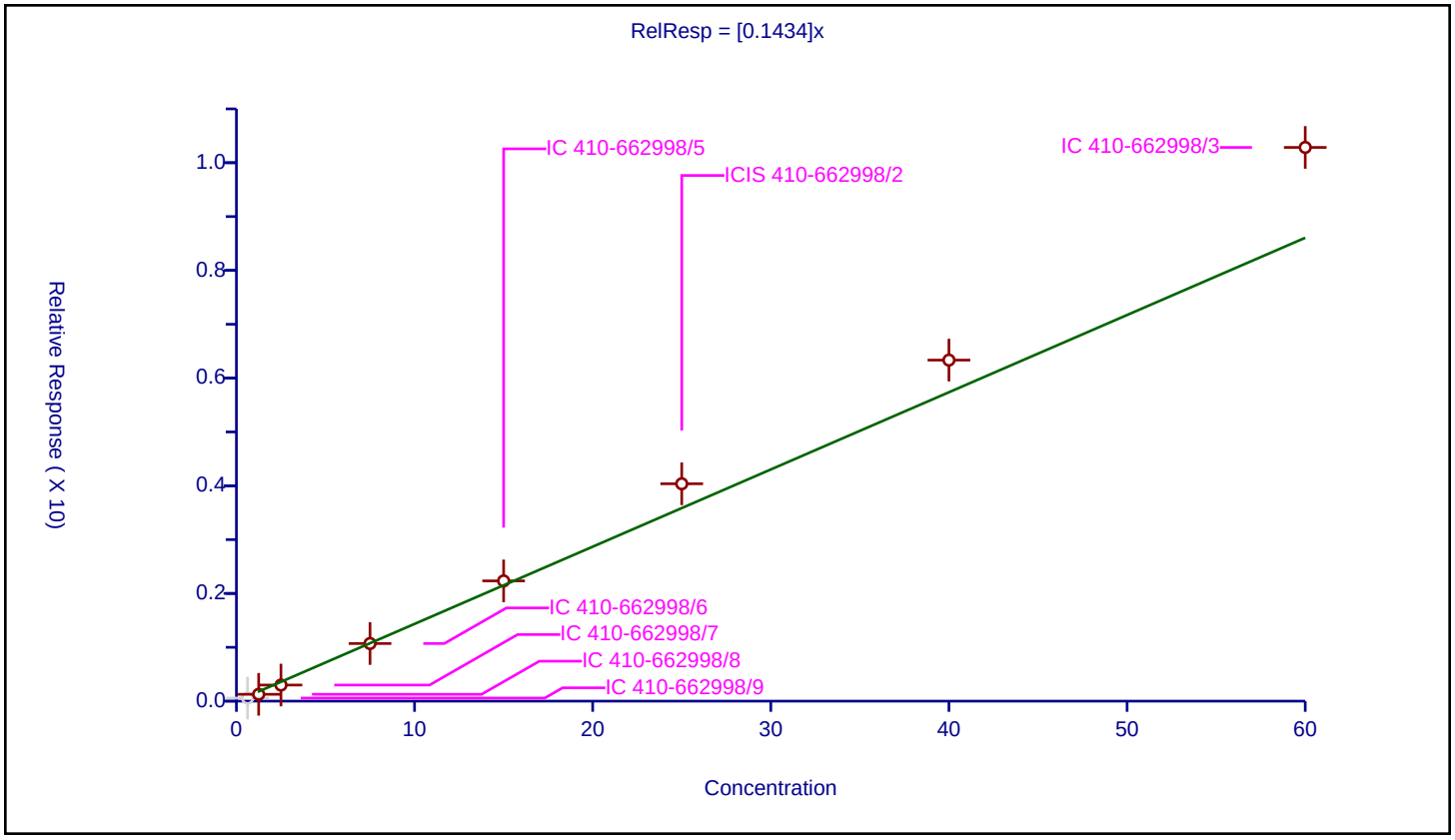
Curve Coefficients

Intercept:	0
Slope:	0.1434

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.625	0.057118	5.0	551135.0	0.09139	N
2	IC 410-662998/8	1.25	0.126947	5.0	563934.0	0.101558	Y
3	IC 410-662998/7	2.5	0.299088	5.0	540226.0	0.119635	Y
4	IC 410-662998/6	7.5	1.070109	5.0	571283.0	0.142681	Y
5	IC 410-662998/5	15.0	2.23347	5.0	559909.0	0.148898	Y
6	ICIS 410-662998/2	25.0	4.037241	5.0	602020.0	0.16149	Y
7	IC 410-662998/4	40.0	6.334356	5.0	561297.0	0.158359	Y
8	IC 410-662998/3	60.0	10.284171	5.0	543916.0	0.171403	Y



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Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

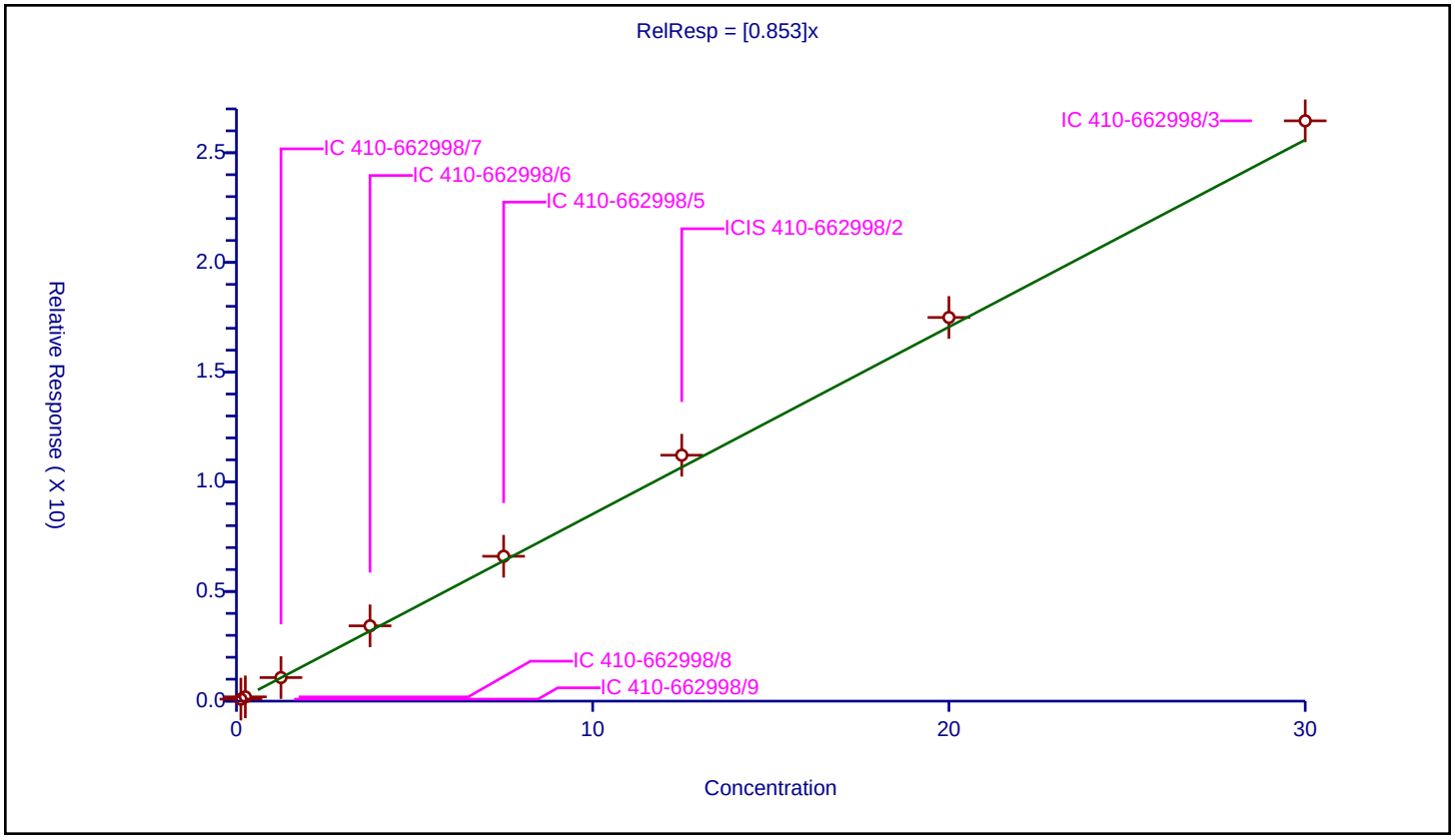
Curve Coefficients

Intercept:	0
Slope:	0.853

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.09201	5.0	551135.0	0.736081	Y
2	IC 410-662998/8	0.25	0.194588	5.0	563934.0	0.778353	Y
3	IC 410-662998/7	1.25	1.074532	5.0	540226.0	0.859625	Y
4	IC 410-662998/6	3.75	3.432922	5.0	571283.0	0.915446	Y
5	IC 410-662998/5	7.5	6.604448	5.0	559909.0	0.880593	Y
6	ICIS 410-662998/2	12.5	11.213274	5.0	602020.0	0.897062	Y
7	IC 410-662998/4	20.0	17.49172	5.0	561297.0	0.874586	Y
8	IC 410-662998/3	30.0	26.456282	5.0	543916.0	0.881876	Y



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Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

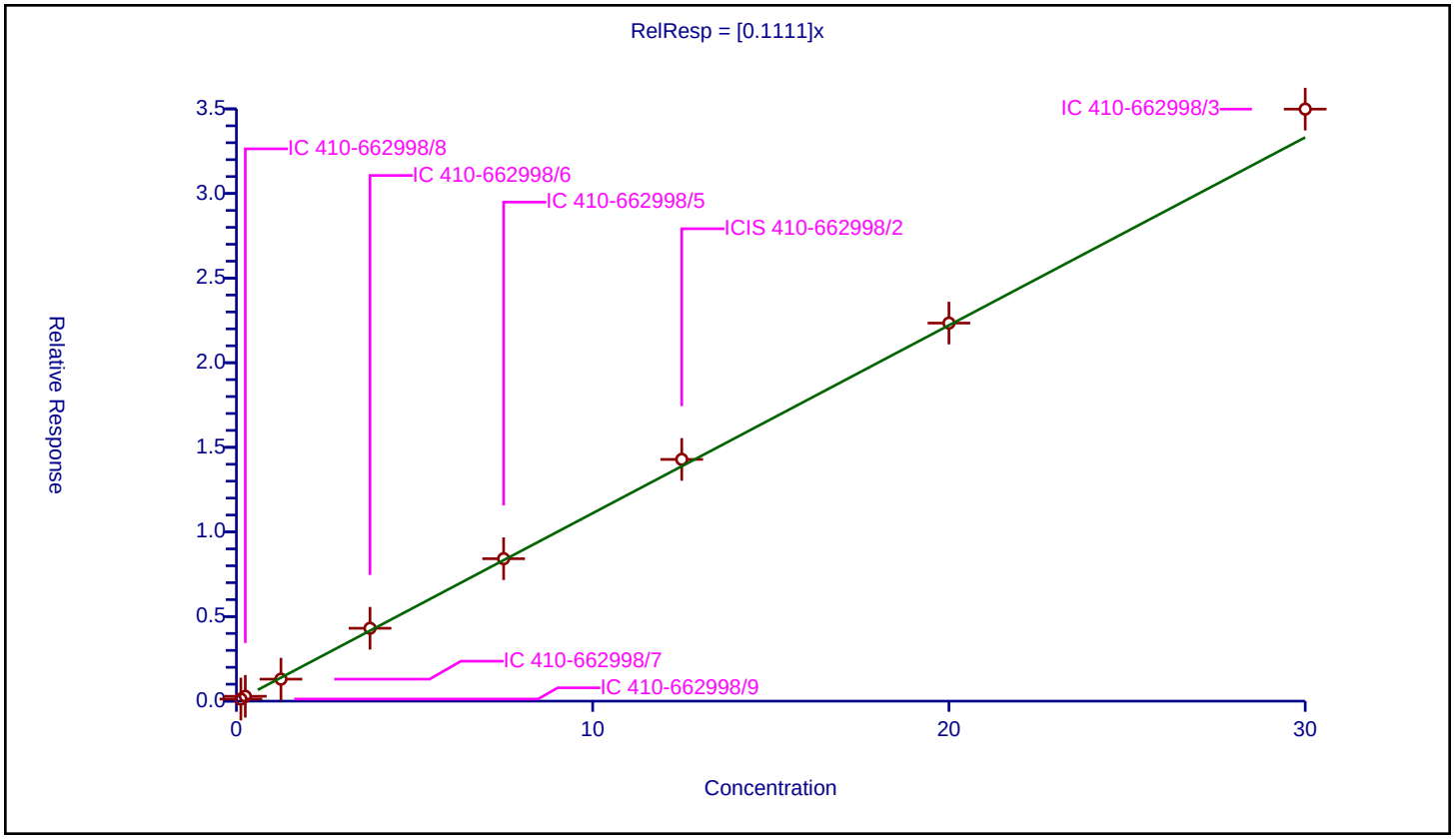
Curve Coefficients

Intercept:	0
Slope:	0.1111

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.012465	5.0	551135.0	0.099721	Y
2	IC 410-662998/8	0.25	0.028771	5.0	563934.0	0.115084	Y
3	IC 410-662998/7	1.25	0.129909	5.0	540226.0	0.103927	Y
4	IC 410-662998/6	3.75	0.430732	5.0	571283.0	0.114862	Y
5	IC 410-662998/5	7.5	0.841664	5.0	559909.0	0.112222	Y
6	ICIS 410-662998/2	12.5	1.42869	5.0	602020.0	0.114295	Y
7	IC 410-662998/4	20.0	2.234147	5.0	561297.0	0.111707	Y
8	IC 410-662998/3	30.0	3.49861	5.0	543916.0	0.11662	Y



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Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

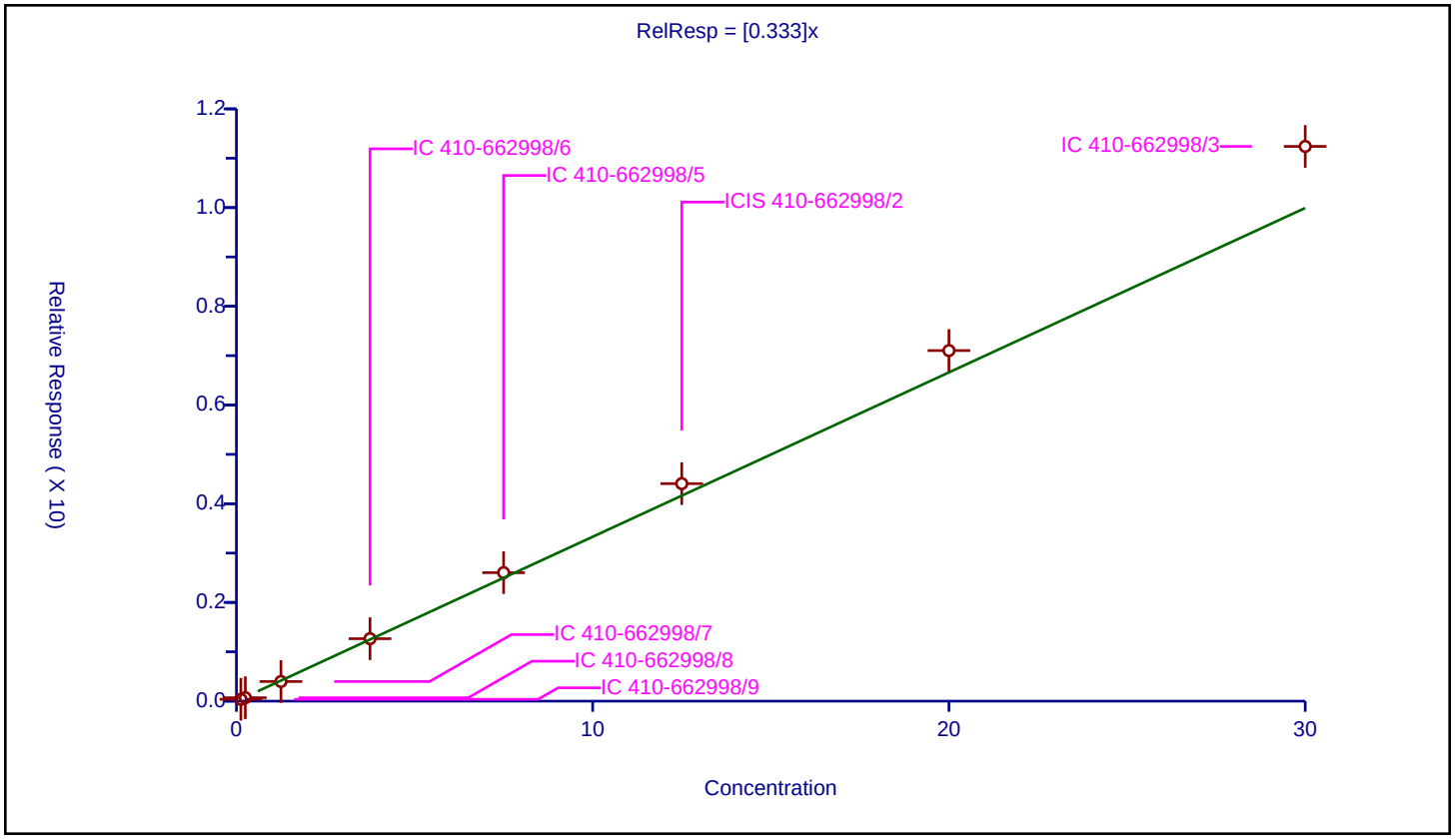
Curve Coefficients

Intercept:	0
Slope:	0.333

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.037677	5.0	551135.0	0.301414	Y
2	IC 410-662998/8	0.25	0.069512	5.0	563934.0	0.278047	Y
3	IC 410-662998/7	1.25	0.39763	5.0	540226.0	0.318104	Y
4	IC 410-662998/6	3.75	1.2651	5.0	571283.0	0.33736	Y
5	IC 410-662998/5	7.5	2.602968	5.0	559909.0	0.347062	Y
6	ICIS 410-662998/2	12.5	4.407121	5.0	602020.0	0.35257	Y
7	IC 410-662998/4	20.0	7.103076	5.0	561297.0	0.355154	Y
8	IC 410-662998/3	30.0	11.239484	5.0	543916.0	0.374649	Y



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Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

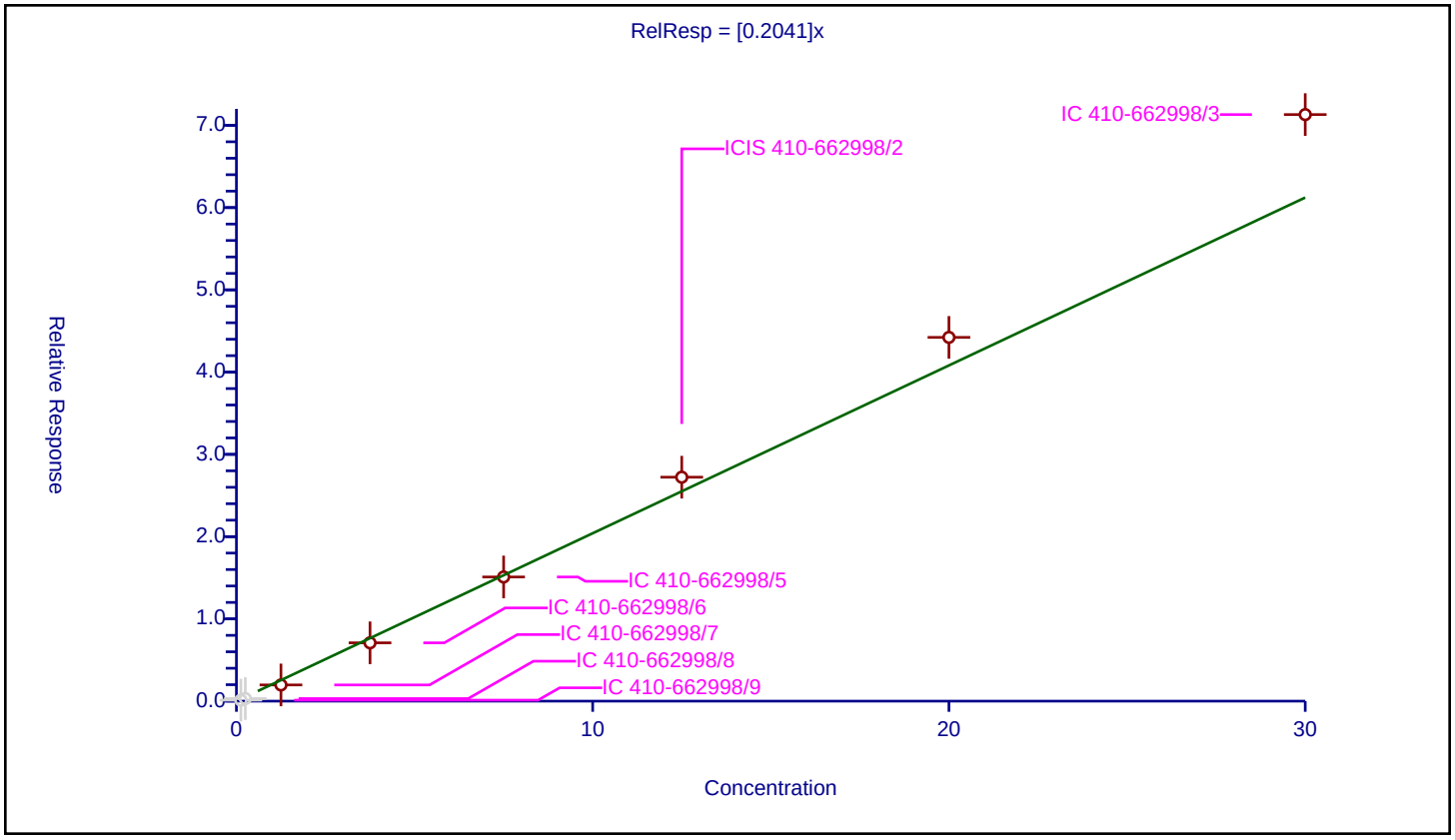
Curve Coefficients

Intercept:	0
Slope:	0.2041

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.012111	5.0	551135.0	0.096891	N
2	IC 410-662998/8	0.25	0.031369	5.0	563934.0	0.125476	N
3	IC 410-662998/7	1.25	0.196881	5.0	540226.0	0.157504	Y
4	IC 410-662998/6	3.75	0.709009	5.0	571283.0	0.189069	Y
5	IC 410-662998/5	7.5	1.509379	5.0	559909.0	0.201251	Y
6	ICIS 410-662998/2	12.5	2.722451	5.0	602020.0	0.217796	Y
7	IC 410-662998/4	20.0	4.422151	5.0	561297.0	0.221108	Y
8	IC 410-662998/3	30.0	7.130586	5.0	543916.0	0.237686	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

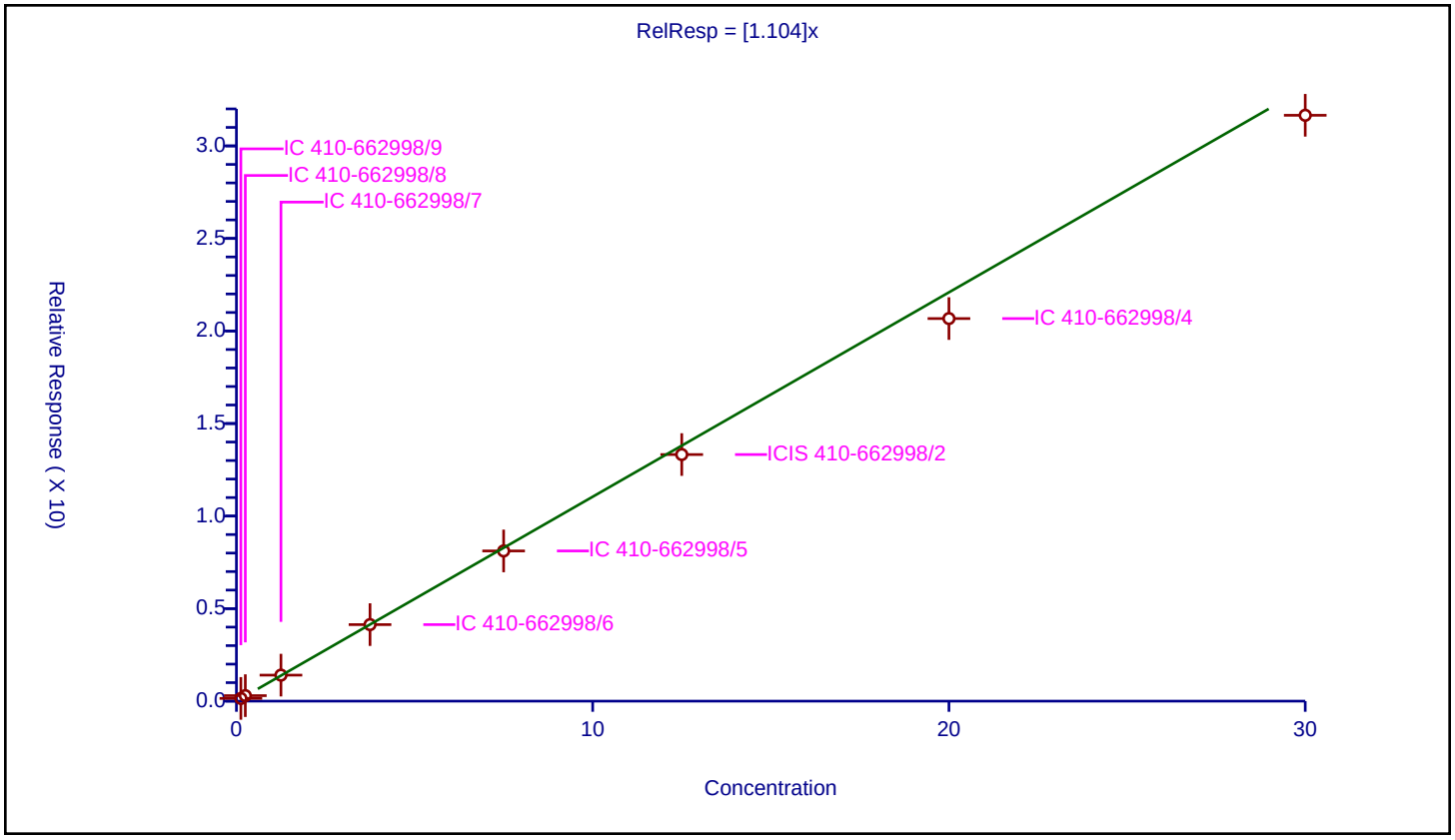
Curve Coefficients

Intercept:	0
Slope:	1.104

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.148122	5.0	551135.0	1.184973	Y
2	IC 410-662998/8	0.25	0.296586	5.0	563934.0	1.186345	Y
3	IC 410-662998/7	1.25	1.405375	5.0	540226.0	1.1243	Y
4	IC 410-662998/6	3.75	4.135446	5.0	571283.0	1.102786	Y
5	IC 410-662998/5	7.5	8.115703	5.0	559909.0	1.082094	Y
6	ICIS 410-662998/2	12.5	13.324217	5.0	602020.0	1.065937	Y
7	IC 410-662998/4	20.0	20.67165	5.0	561297.0	1.033582	Y
8	IC 410-662998/3	30.0	31.654713	5.0	543916.0	1.055157	Y



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Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

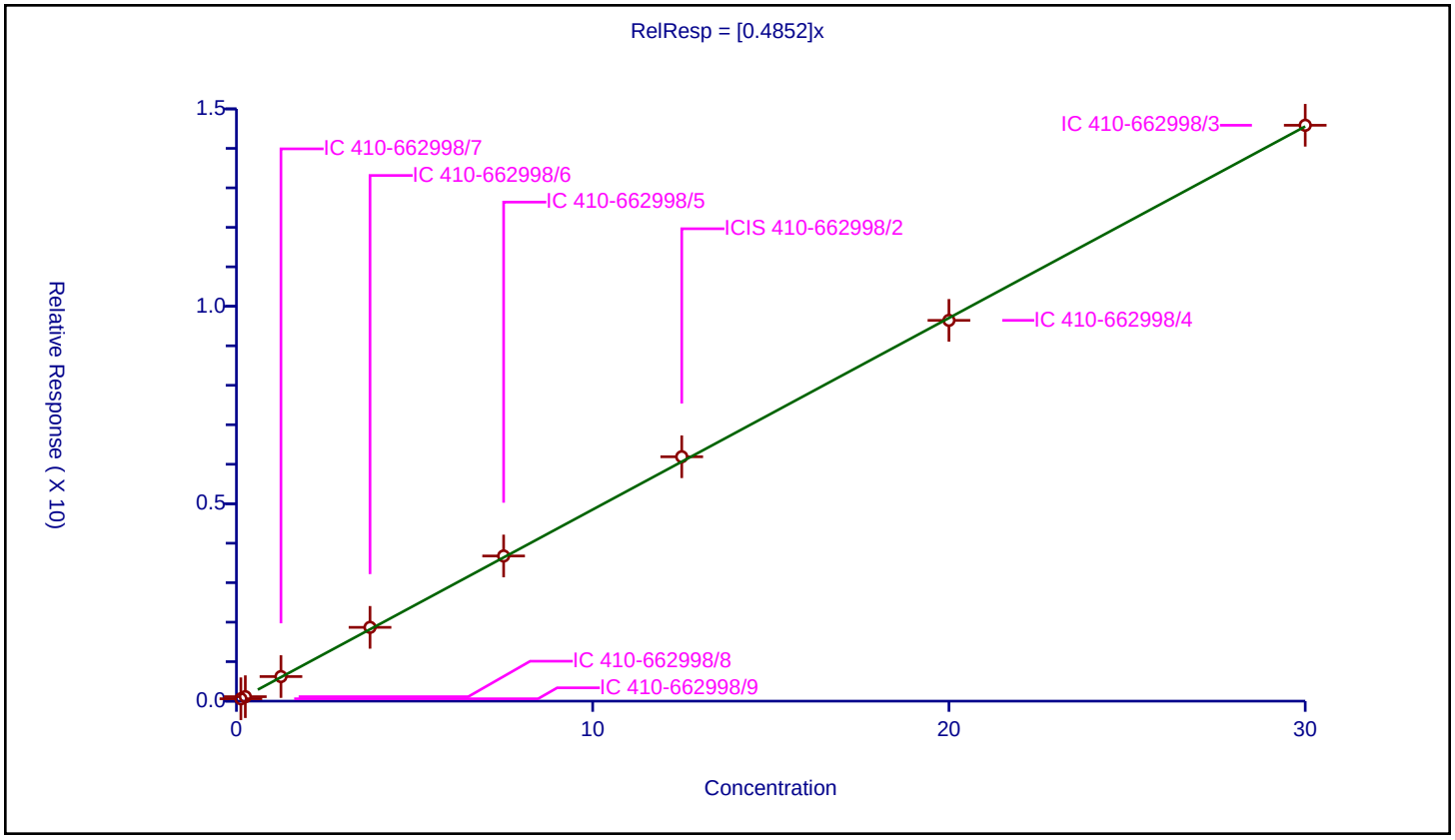
Curve Coefficients

Intercept:	0
Slope:	0.4852

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.060103	5.0	551135.0	0.480826	Y
2	IC 410-662998/8	0.25	0.112682	5.0	563934.0	0.450727	Y
3	IC 410-662998/7	1.25	0.622064	5.0	540226.0	0.497651	Y
4	IC 410-662998/6	3.75	1.869135	5.0	571283.0	0.498436	Y
5	IC 410-662998/5	7.5	3.676499	5.0	559909.0	0.4902	Y
6	ICIS 410-662998/2	12.5	6.189803	5.0	602020.0	0.495184	Y
7	IC 410-662998/4	20.0	9.64395	5.0	561297.0	0.482197	Y
8	IC 410-662998/3	30.0	14.585092	5.0	543916.0	0.48617	Y



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Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

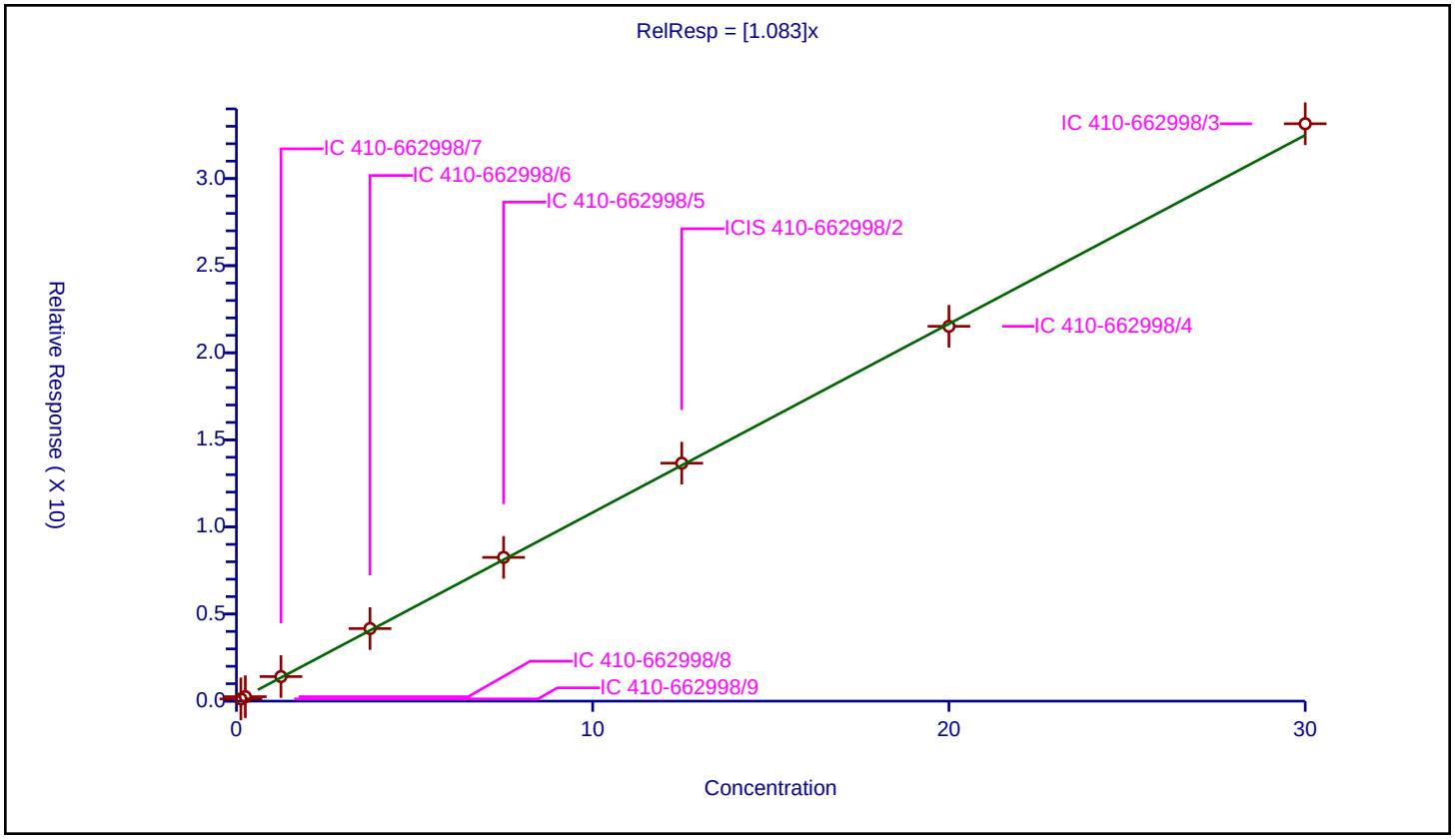
Curve Coefficients

Intercept:	0
Slope:	1.083

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.128362	5.0	551135.0	1.026899	Y
2	IC 410-662998/8	0.25	0.255872	5.0	563934.0	1.023489	Y
3	IC 410-662998/7	1.25	1.410549	5.0	540226.0	1.128439	Y
4	IC 410-662998/6	3.75	4.16761	5.0	571283.0	1.111363	Y
5	IC 410-662998/5	7.5	8.251689	5.0	559909.0	1.100225	Y
6	ICIS 410-662998/2	12.5	13.660501	5.0	602020.0	1.09284	Y
7	IC 410-662998/4	20.0	21.518804	5.0	561297.0	1.07594	Y
8	IC 410-662998/3	30.0	33.146304	5.0	543916.0	1.104877	Y



Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

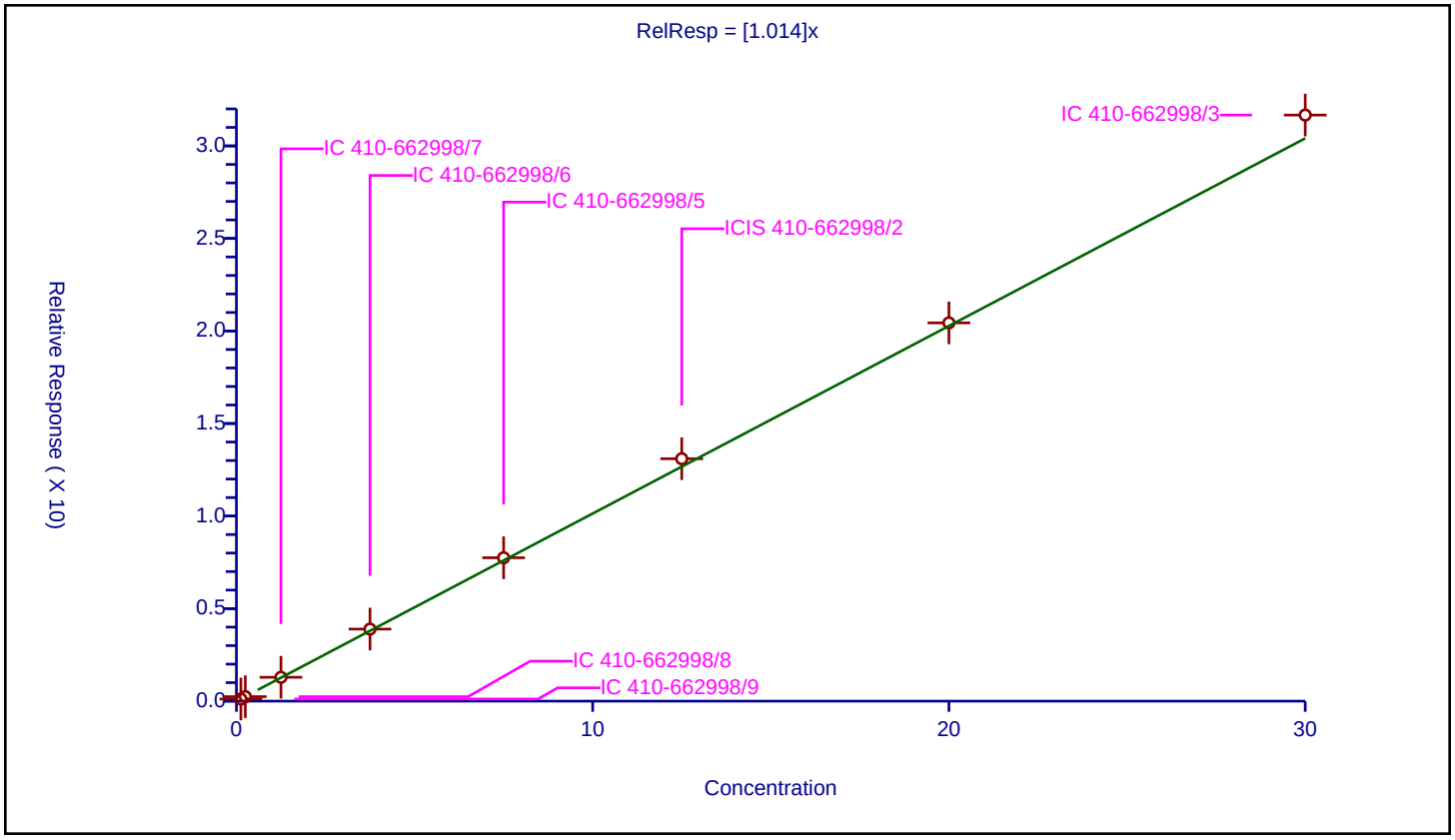
Curve Coefficients

Intercept:	0
Slope:	1.014

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.113892	5.0	551135.0	0.911138	Y
2	IC 410-662998/8	0.25	0.242422	5.0	563934.0	0.969688	Y
3	IC 410-662998/7	1.25	1.289266	5.0	540226.0	1.031413	Y
4	IC 410-662998/6	3.75	3.893657	5.0	571283.0	1.038309	Y
5	IC 410-662998/5	7.5	7.747723	5.0	559909.0	1.03303	Y
6	ICIS 410-662998/2	12.5	13.097464	5.0	602020.0	1.047797	Y
7	IC 410-662998/4	20.0	20.438164	5.0	561297.0	1.021908	Y
8	IC 410-662998/3	30.0	31.666397	5.0	543916.0	1.055547	Y



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Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

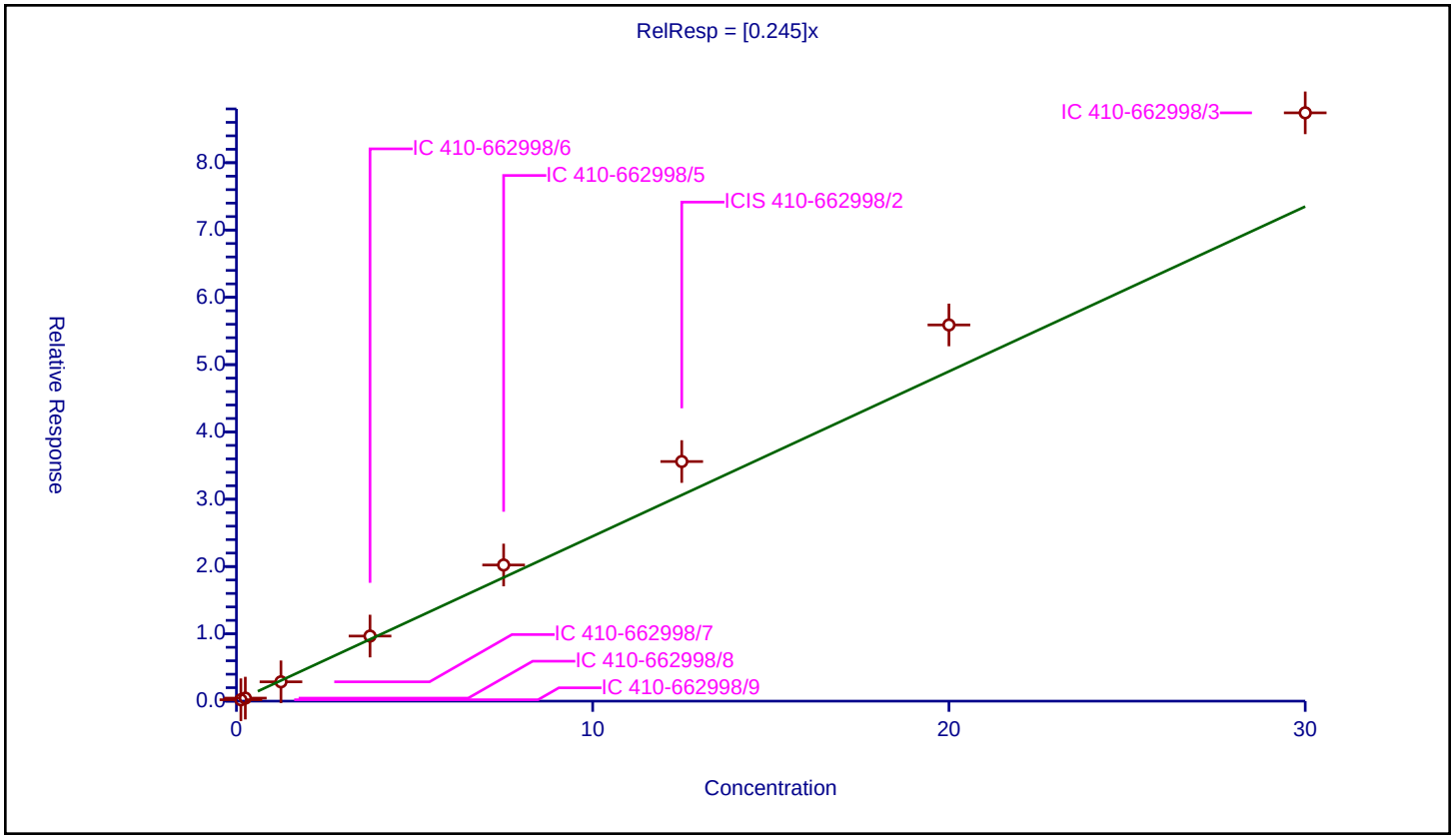
Curve Coefficients

Intercept:	0
Slope:	0.245

Error Coefficients

Relative Standard Deviation:	19.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.020939	5.0	551135.0	0.167509	Y
2	IC 410-662998/8	0.25	0.044801	5.0	563934.0	0.179205	Y
3	IC 410-662998/7	1.25	0.287241	5.0	540226.0	0.229793	Y
4	IC 410-662998/6	3.75	0.96692	5.0	571283.0	0.257845	Y
5	IC 410-662998/5	7.5	2.022873	5.0	559909.0	0.269716	Y
6	ICIS 410-662998/2	12.5	3.560372	5.0	602020.0	0.28483	Y
7	IC 410-662998/4	20.0	5.589857	5.0	561297.0	0.279493	Y
8	IC 410-662998/3	30.0	8.74157	5.0	543916.0	0.291386	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

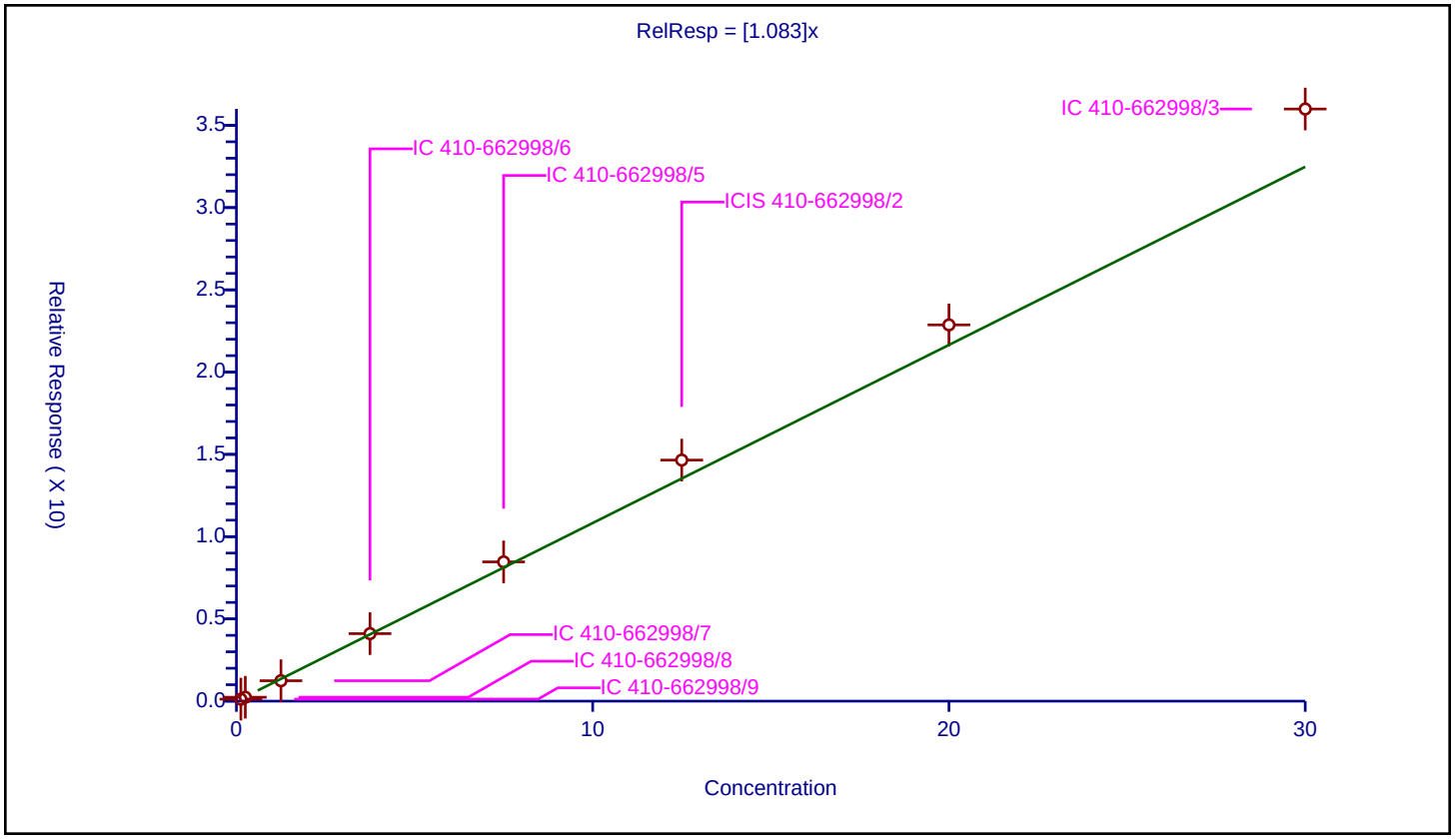
Curve Coefficients

Intercept:	0
Slope:	1.083

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.122692	5.0	551135.0	0.981538	Y
2	IC 410-662998/8	0.25	0.237076	5.0	563934.0	0.948302	Y
3	IC 410-662998/7	1.25	1.240851	5.0	540226.0	0.992681	Y
4	IC 410-662998/6	3.75	4.104017	5.0	571283.0	1.094404	Y
5	IC 410-662998/5	7.5	8.464277	5.0	559909.0	1.12857	Y
6	ICIS 410-662998/2	12.5	14.652487	5.0	602020.0	1.172199	Y
7	IC 410-662998/4	20.0	22.869488	5.0	561297.0	1.143474	Y
8	IC 410-662998/3	30.0	35.992313	5.0	543916.0	1.199744	Y



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Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

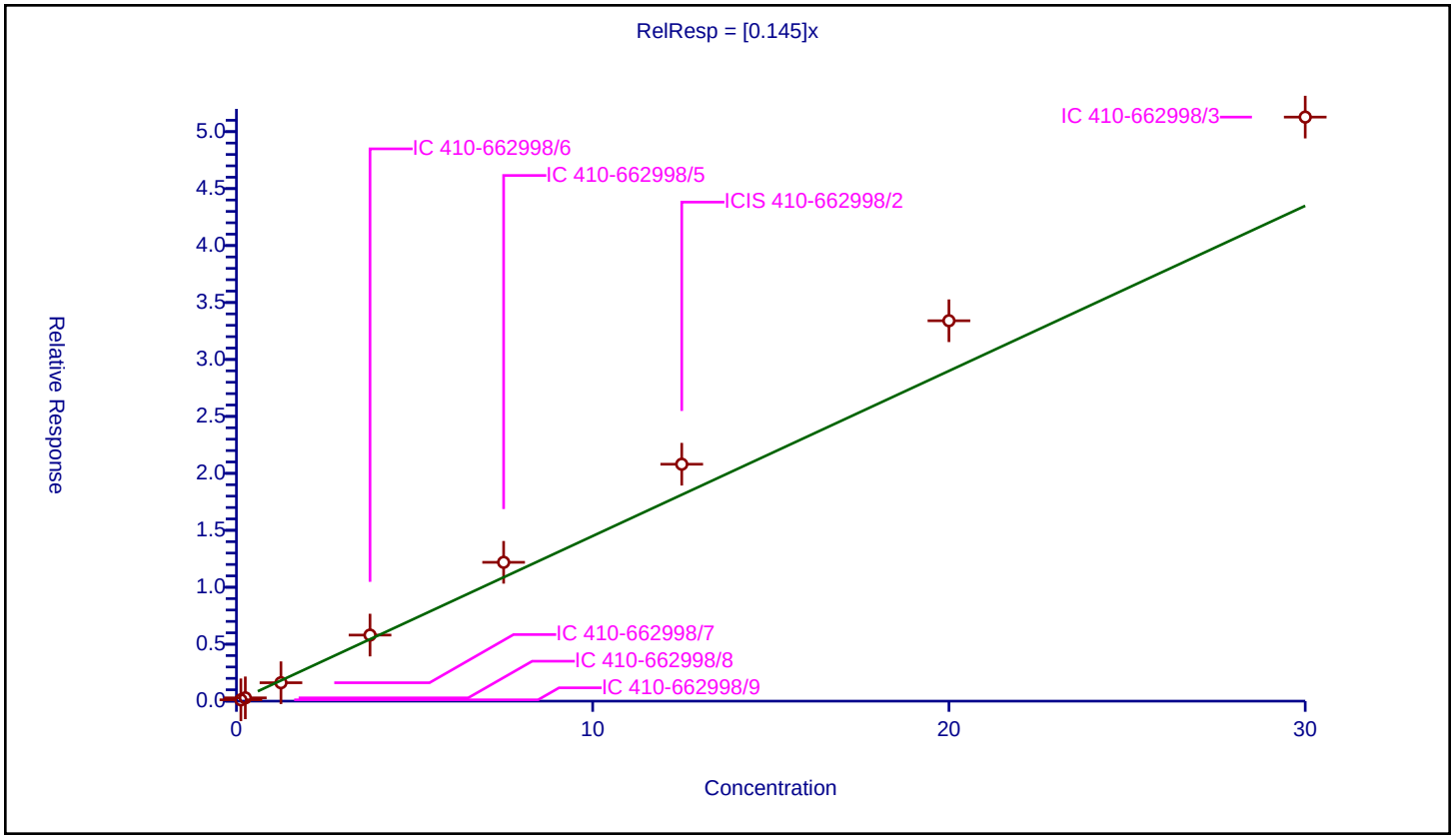
Curve Coefficients

Intercept:	0
Slope:	0.145

Error Coefficients

Relative Standard Deviation:	19.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.011649	5.0	551135.0	0.09319	Y
2	IC 410-662998/8	0.25	0.028886	5.0	563934.0	0.115545	Y
3	IC 410-662998/7	1.25	0.161803	5.0	540226.0	0.129442	Y
4	IC 410-662998/6	3.75	0.580124	5.0	571283.0	0.1547	Y
5	IC 410-662998/5	7.5	1.218993	5.0	559909.0	0.162532	Y
6	ICIS 410-662998/2	12.5	2.080205	5.0	602020.0	0.166416	Y
7	IC 410-662998/4	20.0	3.339872	5.0	561297.0	0.166994	Y
8	IC 410-662998/3	30.0	5.127952	5.0	543916.0	0.170932	Y



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Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

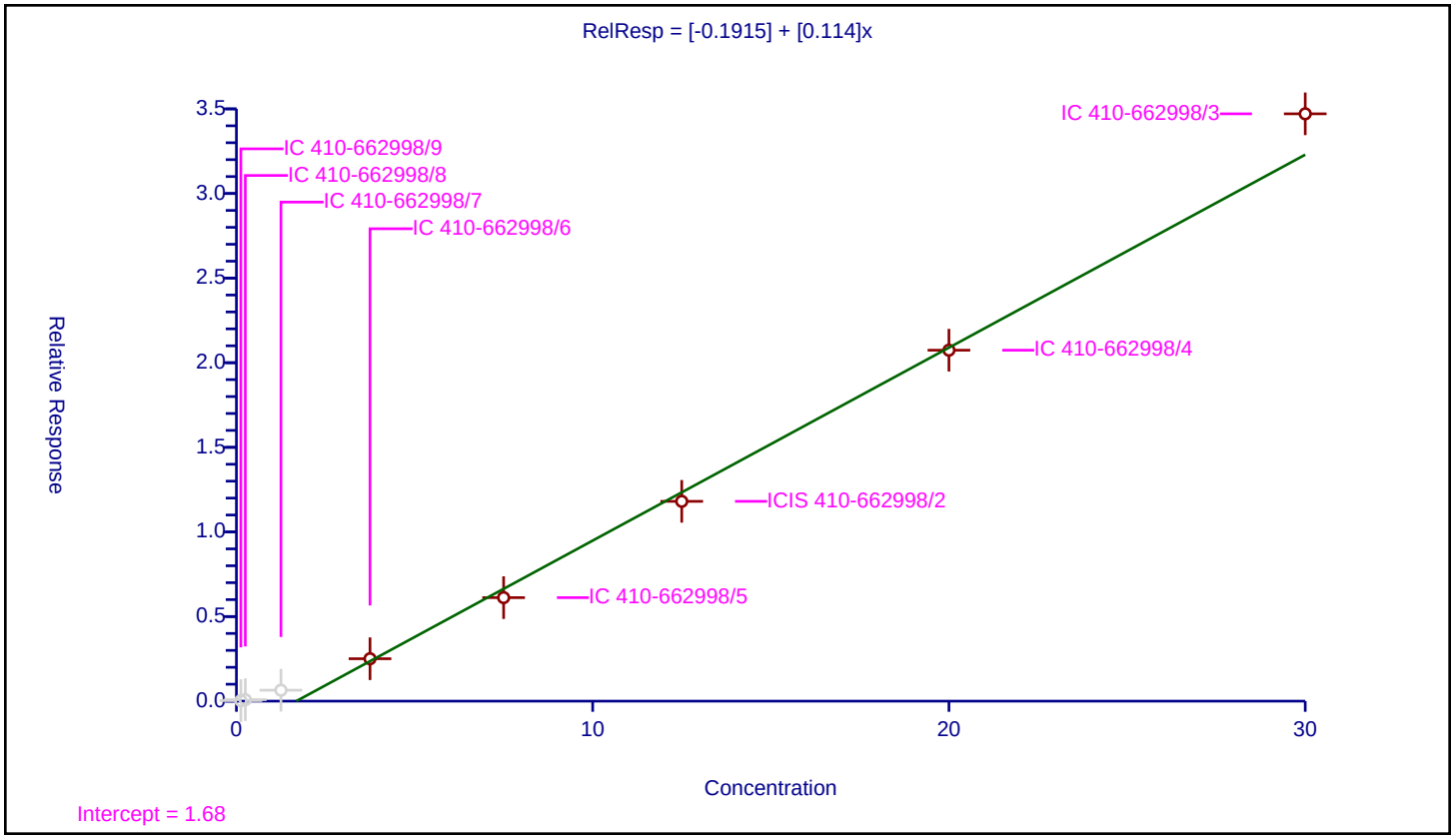
Curve Coefficients

Intercept:	-0.1915
Slope:	0.114

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.003012	5.0	551135.0	0.024096	N
2	IC 410-662998/8	0.25	0.008689	5.0	563934.0	0.034756	N
3	IC 410-662998/7	1.25	0.064603	5.0	540226.0	0.051682	N
4	IC 410-662998/6	3.75	0.25062	5.0	571283.0	0.066832	Y
5	IC 410-662998/5	7.5	0.611707	5.0	559909.0	0.081561	Y
6	ICIS 410-662998/2	12.5	1.180775	5.0	602020.0	0.094462	Y
7	IC 410-662998/4	20.0	2.074	5.0	561297.0	0.1037	Y
8	IC 410-662998/3	30.0	3.470904	5.0	543916.0	0.115697	Y



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Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

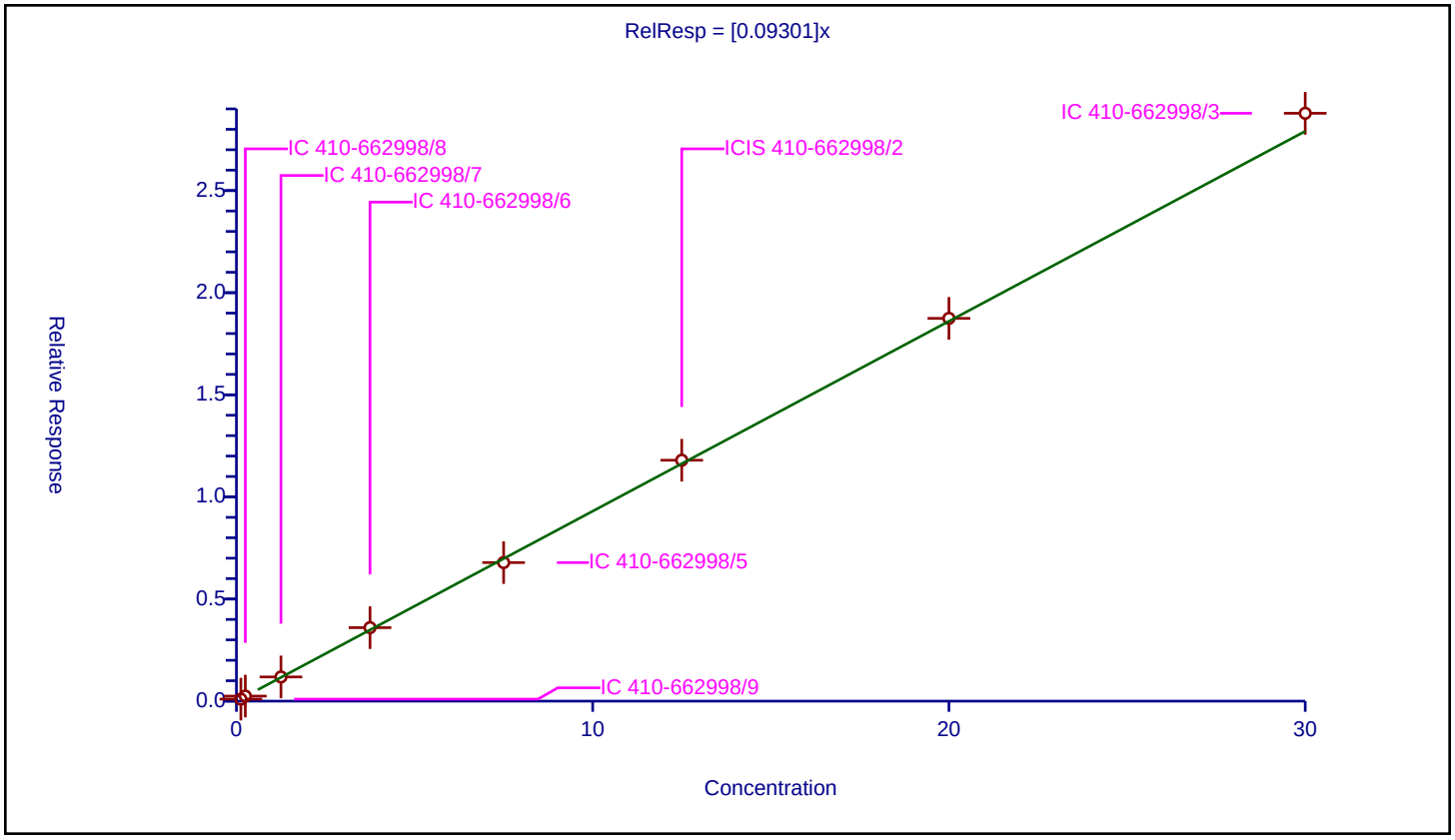
Curve Coefficients

Intercept:	0
Slope:	0.09301

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.010025	5.0	551135.0	0.080198	Y
2	IC 410-662998/8	0.25	0.024657	5.0	563934.0	0.098629	Y
3	IC 410-662998/7	1.25	0.118497	5.0	540226.0	0.094797	Y
4	IC 410-662998/6	3.75	0.359935	5.0	571283.0	0.095983	Y
5	IC 410-662998/5	7.5	0.678521	5.0	559909.0	0.090469	Y
6	ICIS 410-662998/2	12.5	1.17962	5.0	602020.0	0.09437	Y
7	IC 410-662998/4	20.0	1.87432	5.0	561297.0	0.093716	Y
8	IC 410-662998/3	30.0	2.878514	5.0	543916.0	0.09595	Y



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Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

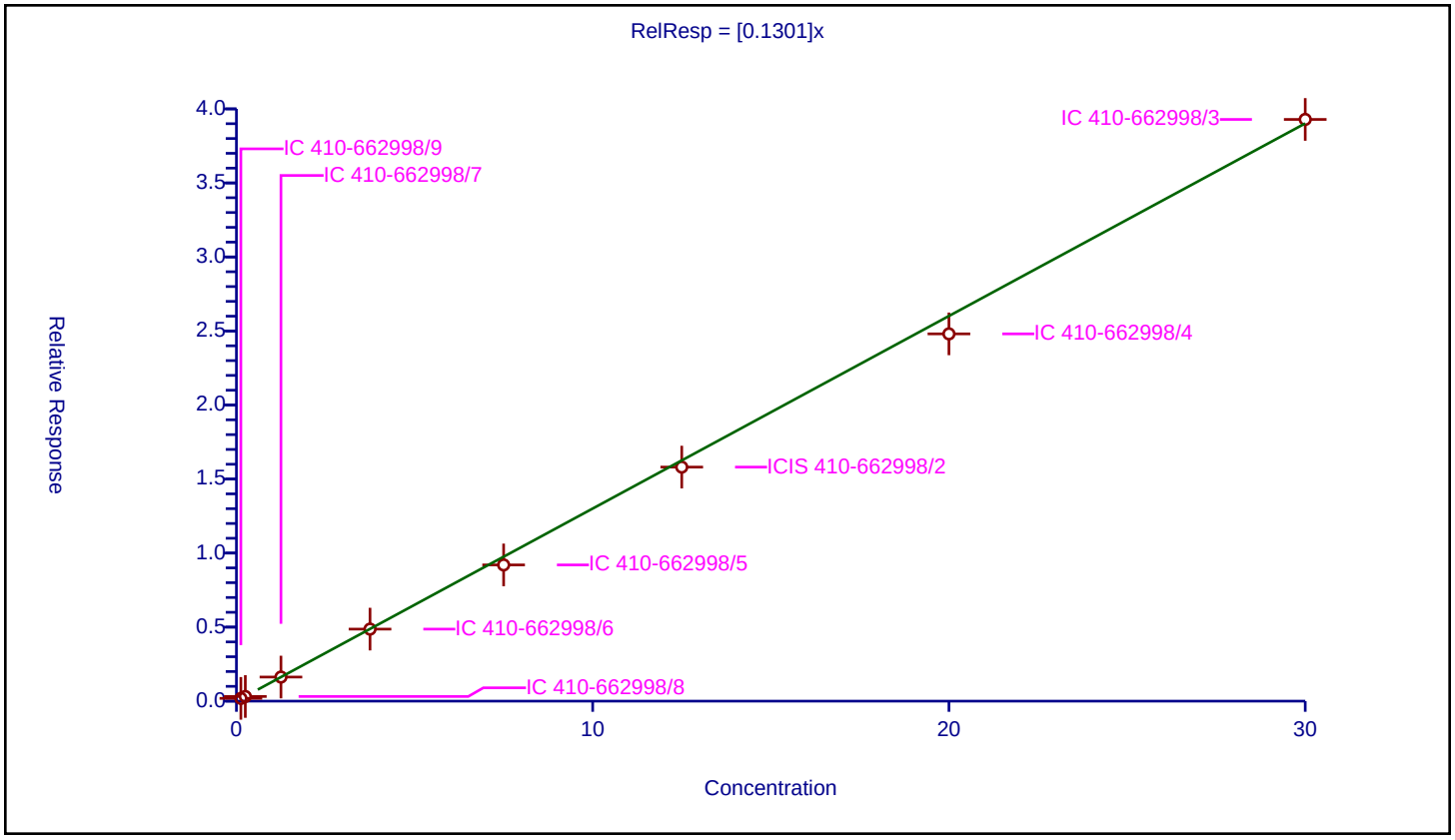
Curve Coefficients

Intercept:	0
Slope:	0.1301

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.018834	5.0	551135.0	0.150671	Y
2	IC 410-662998/8	0.25	0.031458	5.0	563934.0	0.12583	Y
3	IC 410-662998/7	1.25	0.162682	5.0	540226.0	0.130146	Y
4	IC 410-662998/6	3.75	0.486501	5.0	571283.0	0.129734	Y
5	IC 410-662998/5	7.5	0.92006	5.0	559909.0	0.122675	Y
6	ICIS 410-662998/2	12.5	1.580728	5.0	602020.0	0.126458	Y
7	IC 410-662998/4	20.0	2.480452	5.0	561297.0	0.124023	Y
8	IC 410-662998/3	30.0	3.928787	5.0	543916.0	0.13096	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

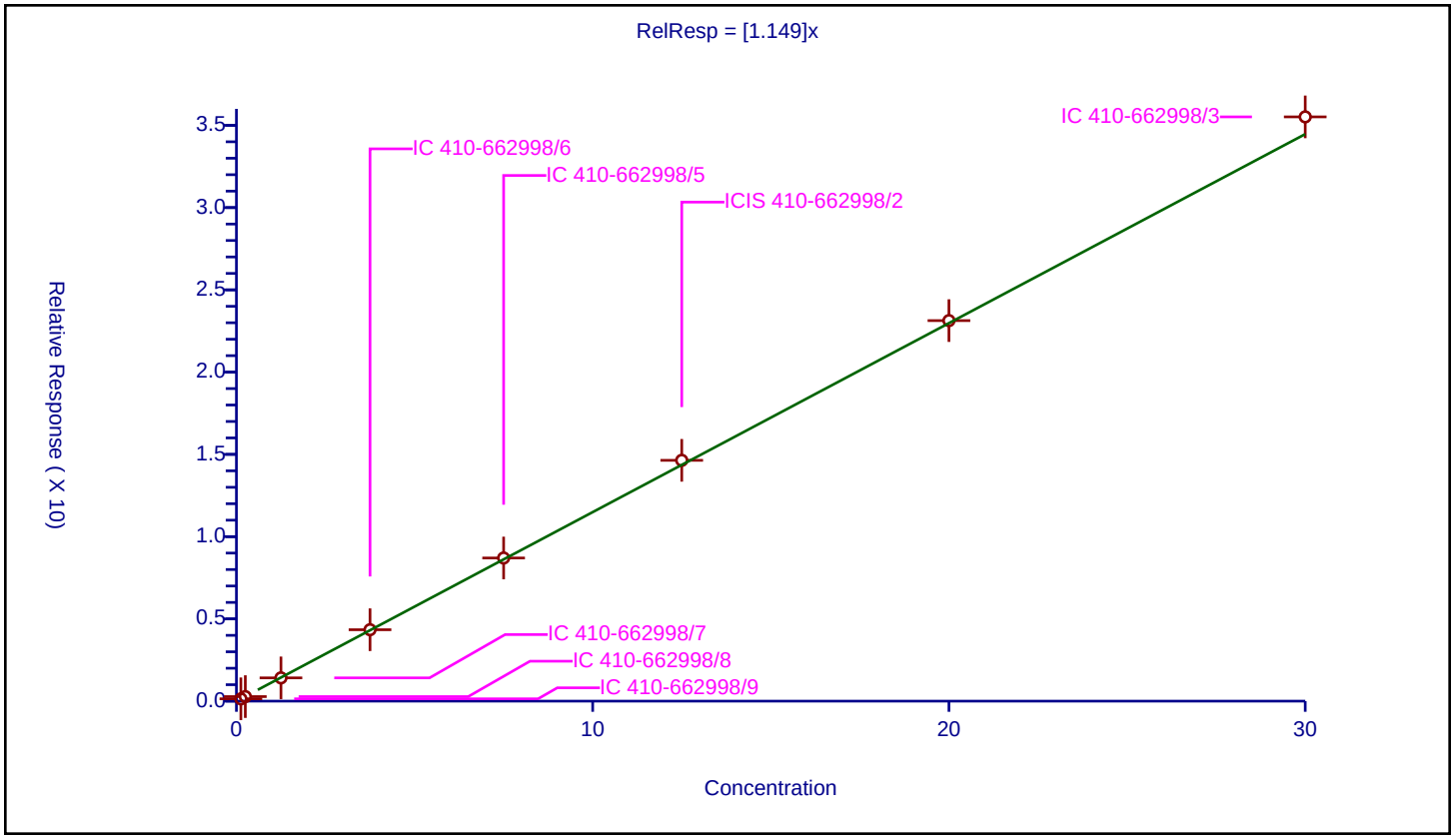
Curve Coefficients

Intercept:	0
Slope:	1.149

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.140846	5.0	551135.0	1.126766	Y
2	IC 410-662998/8	0.25	0.275857	5.0	563934.0	1.103427	Y
3	IC 410-662998/7	1.25	1.414269	5.0	540226.0	1.131415	Y
4	IC 410-662998/6	3.75	4.341465	5.0	571283.0	1.157724	Y
5	IC 410-662998/5	7.5	8.701584	5.0	559909.0	1.160211	Y
6	ICIS 410-662998/2	12.5	14.63821	5.0	602020.0	1.171057	Y
7	IC 410-662998/4	20.0	23.13066	5.0	561297.0	1.156533	Y
8	IC 410-662998/3	30.0	35.514032	5.0	543916.0	1.183801	Y



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Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

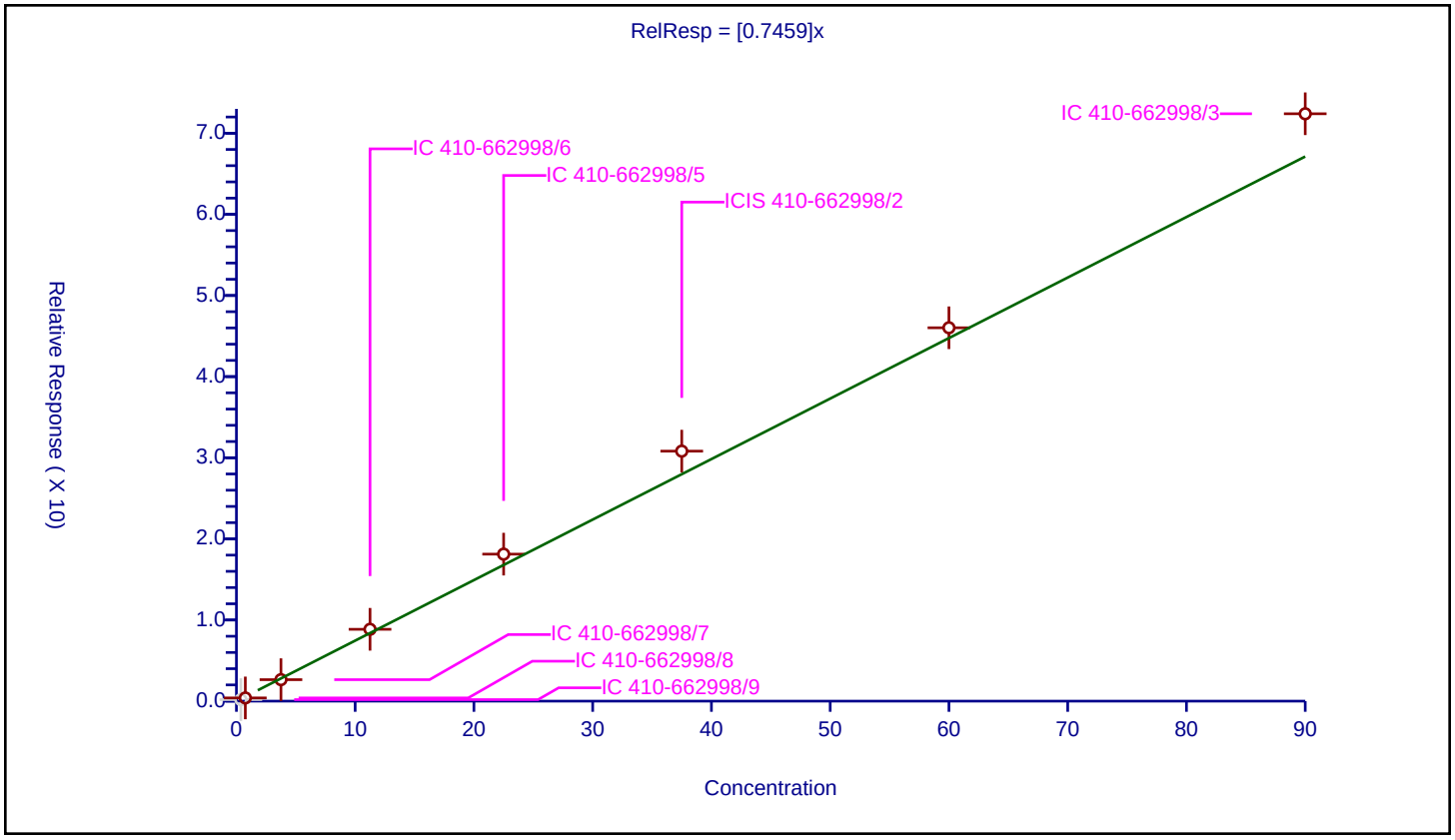
Curve Coefficients

Intercept:	0
Slope:	0.7459

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.375	0.190248	5.0	526602.0	0.507328	N
2	IC 410-662998/8	0.75	0.396808	5.0	539140.0	0.529077	Y
3	IC 410-662998/7	3.75	2.648695	5.0	532366.0	0.706319	Y
4	IC 410-662998/6	11.25	8.854725	5.0	573443.0	0.787087	Y
5	IC 410-662998/5	22.5	18.120696	5.0	553359.0	0.805364	Y
6	ICIS 410-662998/2	37.5	30.816337	5.0	600230.0	0.821769	Y
7	IC 410-662998/4	60.0	46.022628	5.0	567274.0	0.767044	Y
8	IC 410-662998/3	90.0	72.398434	5.0	522195.0	0.804427	Y



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Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

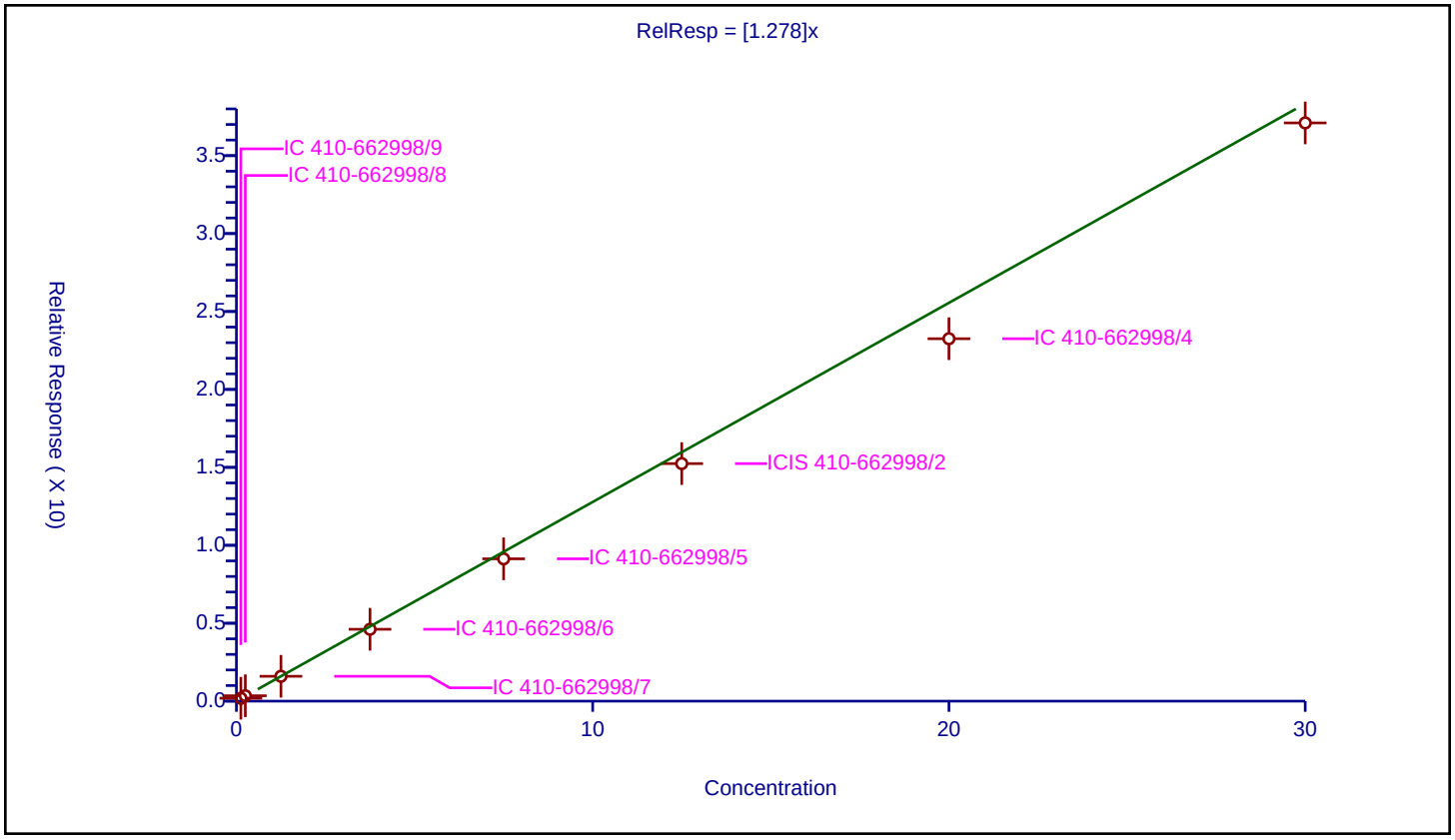
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.186697	5.0	526602.0	1.493576	Y
2	IC 410-662998/8	0.25	0.346626	5.0	539140.0	1.386504	Y
3	IC 410-662998/7	1.25	1.595378	5.0	532366.0	1.276302	Y
4	IC 410-662998/6	3.75	4.612054	5.0	573443.0	1.229881	Y
5	IC 410-662998/5	7.5	9.131974	5.0	553359.0	1.217597	Y
6	ICIS 410-662998/2	12.5	15.241341	5.0	600230.0	1.219307	Y
7	IC 410-662998/4	20.0	23.254001	5.0	567274.0	1.1627	Y
8	IC 410-662998/3	30.0	37.098593	5.0	522195.0	1.23662	Y



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Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

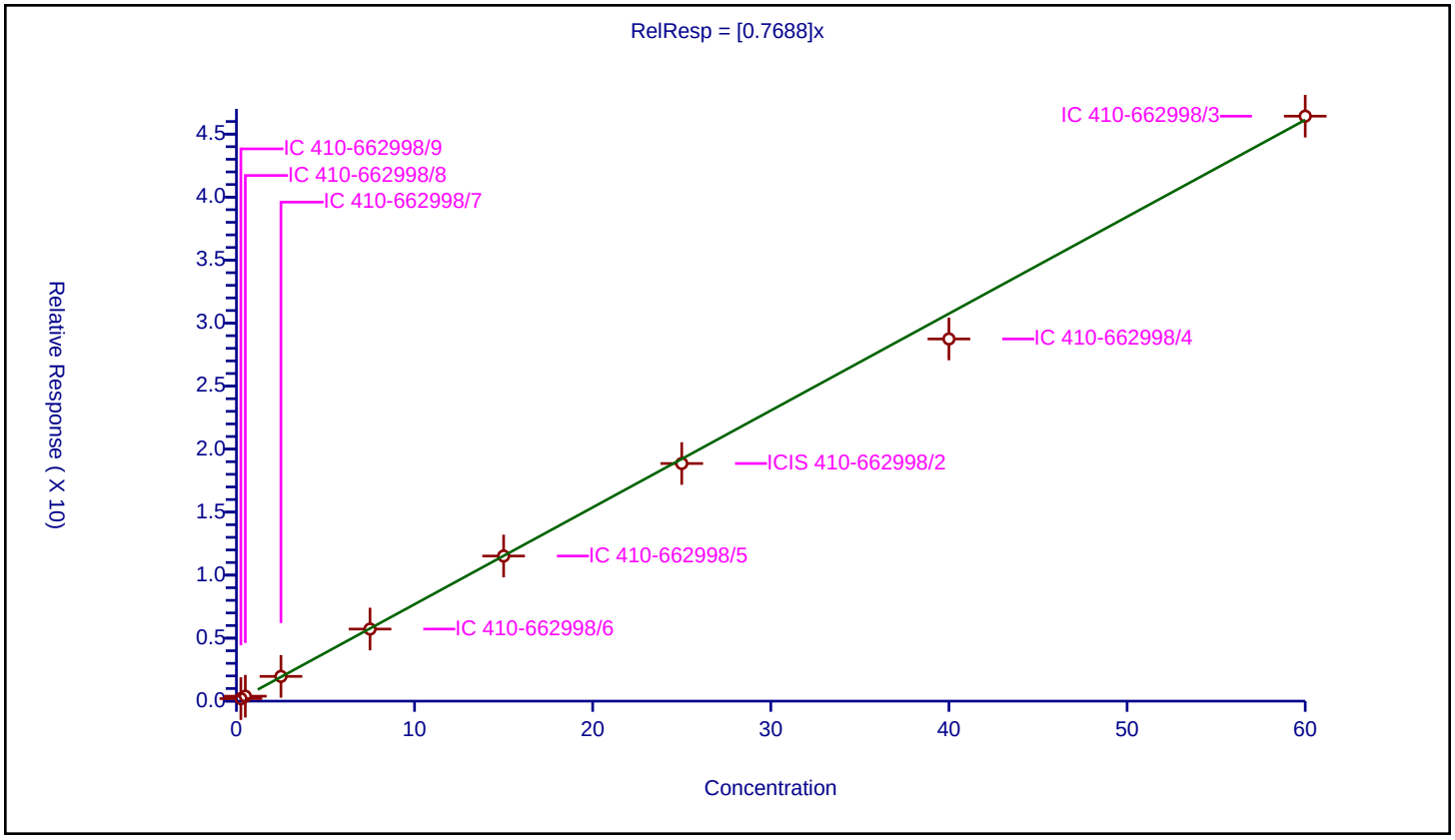
Curve Coefficients

Intercept:	0
Slope:	0.7688

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.25	0.20092	5.0	526602.0	0.803681	Y
2	IC 410-662998/8	0.5	0.391856	5.0	539140.0	0.783711	Y
3	IC 410-662998/7	2.5	1.96364	5.0	532366.0	0.785456	Y
4	IC 410-662998/6	7.5	5.721563	5.0	573443.0	0.762875	Y
5	IC 410-662998/5	15.0	11.516213	5.0	553359.0	0.767748	Y
6	ICIS 410-662998/2	25.0	18.859895	5.0	600230.0	0.754396	Y
7	IC 410-662998/4	40.0	28.742583	5.0	567274.0	0.718565	Y
8	IC 410-662998/3	60.0	46.423156	5.0	522195.0	0.773719	Y



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Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

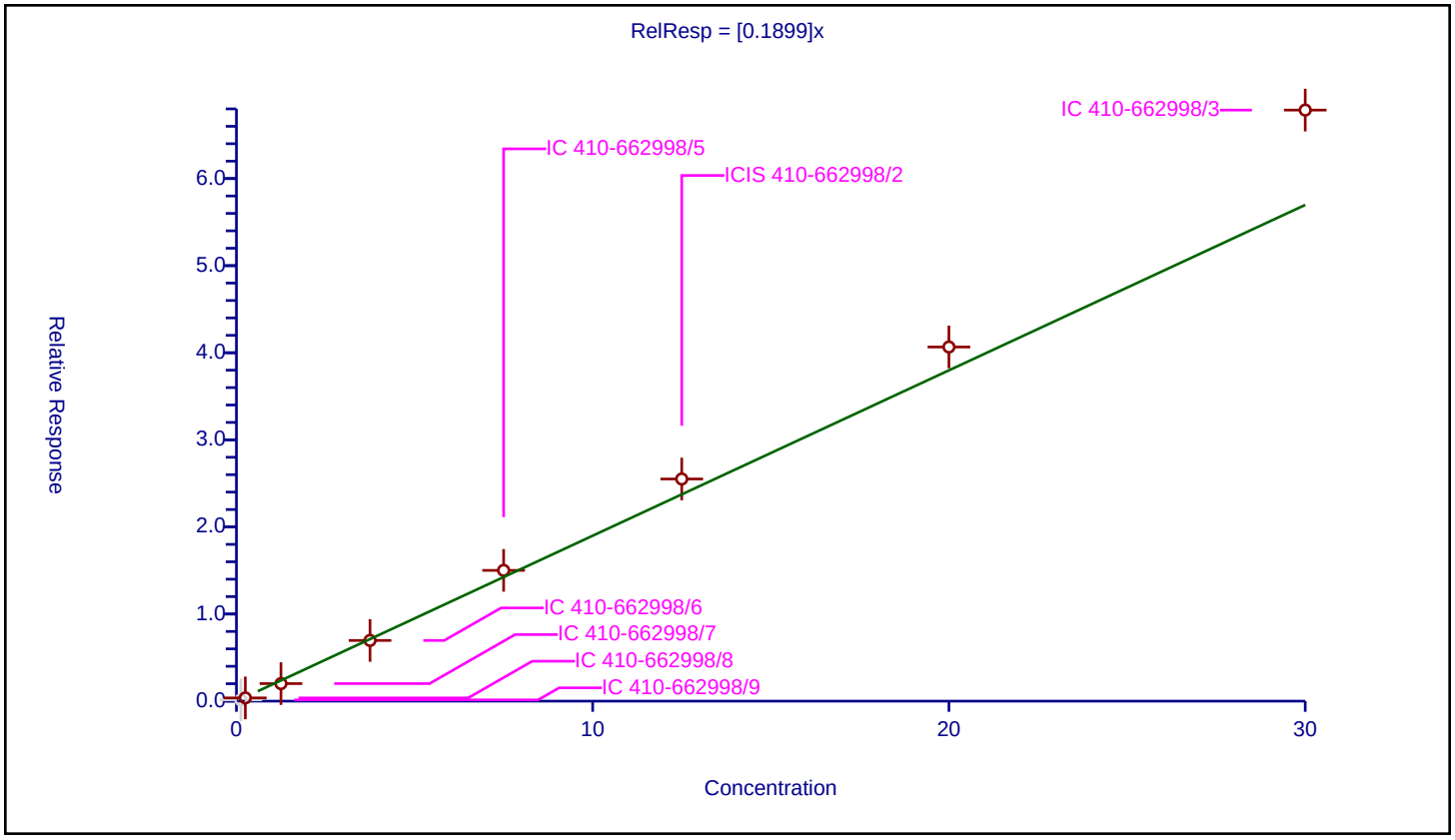
Curve Coefficients

Intercept:	0
Slope:	0.1899

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.014347	5.0	526602.0	0.114774	N
2	IC 410-662998/8	0.25	0.037217	5.0	539140.0	0.148867	Y
3	IC 410-662998/7	1.25	0.201224	5.0	532366.0	0.160979	Y
4	IC 410-662998/6	3.75	0.696817	5.0	573443.0	0.185818	Y
5	IC 410-662998/5	7.5	1.501204	5.0	553359.0	0.200161	Y
6	ICIS 410-662998/2	12.5	2.550606	5.0	600230.0	0.204048	Y
7	IC 410-662998/4	20.0	4.066113	5.0	567274.0	0.203306	Y
8	IC 410-662998/3	30.0	6.786335	5.0	522195.0	0.226211	Y



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Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

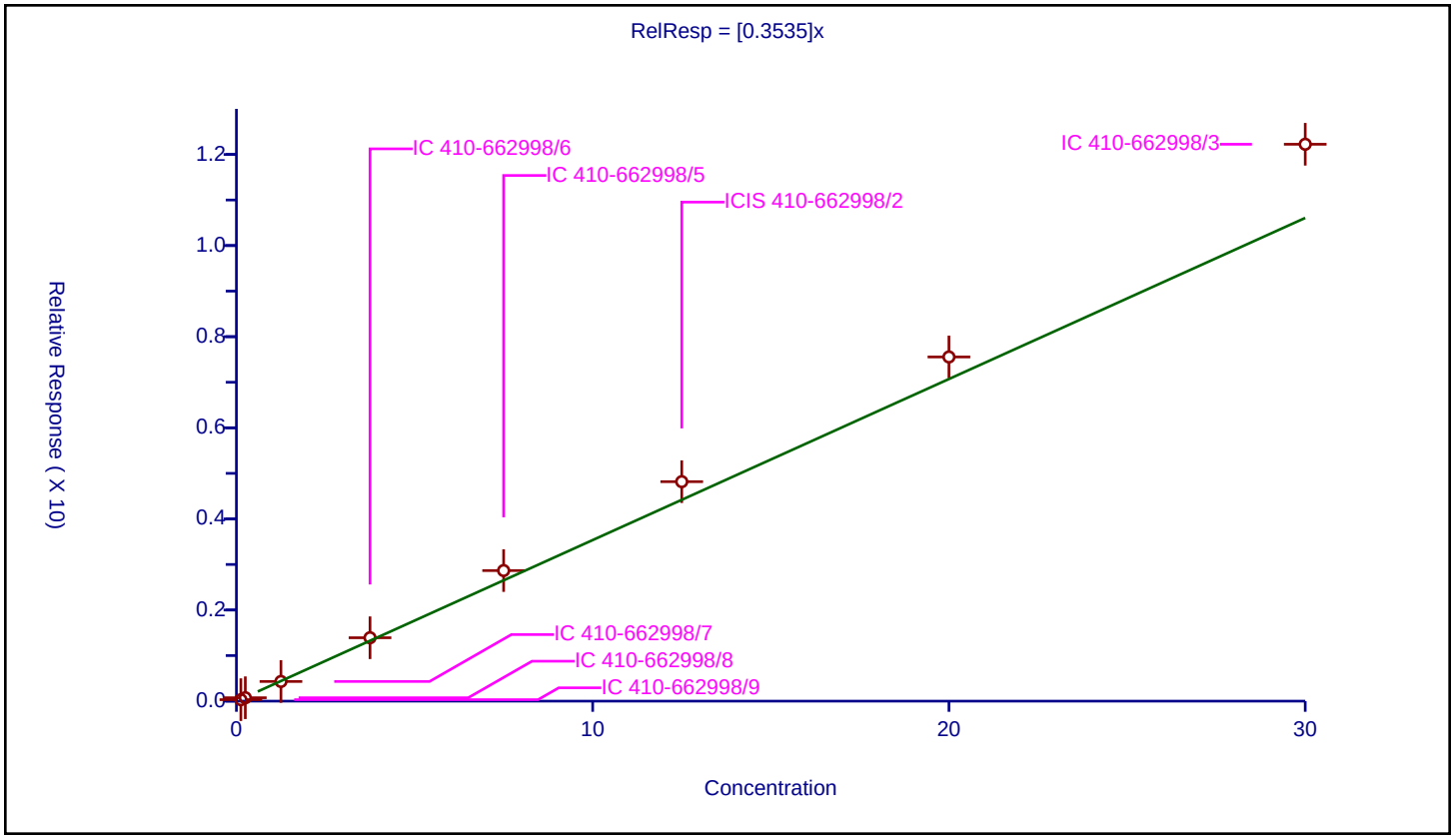
Curve Coefficients

Intercept:	0
Slope:	0.3535

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.032681	5.0	526602.0	0.26145	Y
2	IC 410-662998/8	0.25	0.074489	5.0	539140.0	0.297956	Y
3	IC 410-662998/7	1.25	0.431461	5.0	532366.0	0.345169	Y
4	IC 410-662998/6	3.75	1.391603	5.0	573443.0	0.371094	Y
5	IC 410-662998/5	7.5	2.865852	5.0	553359.0	0.382114	Y
6	ICIS 410-662998/2	12.5	4.817362	5.0	600230.0	0.385389	Y
7	IC 410-662998/4	20.0	7.554586	5.0	567274.0	0.377729	Y
8	IC 410-662998/3	30.0	12.223422	5.0	522195.0	0.407447	Y



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Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

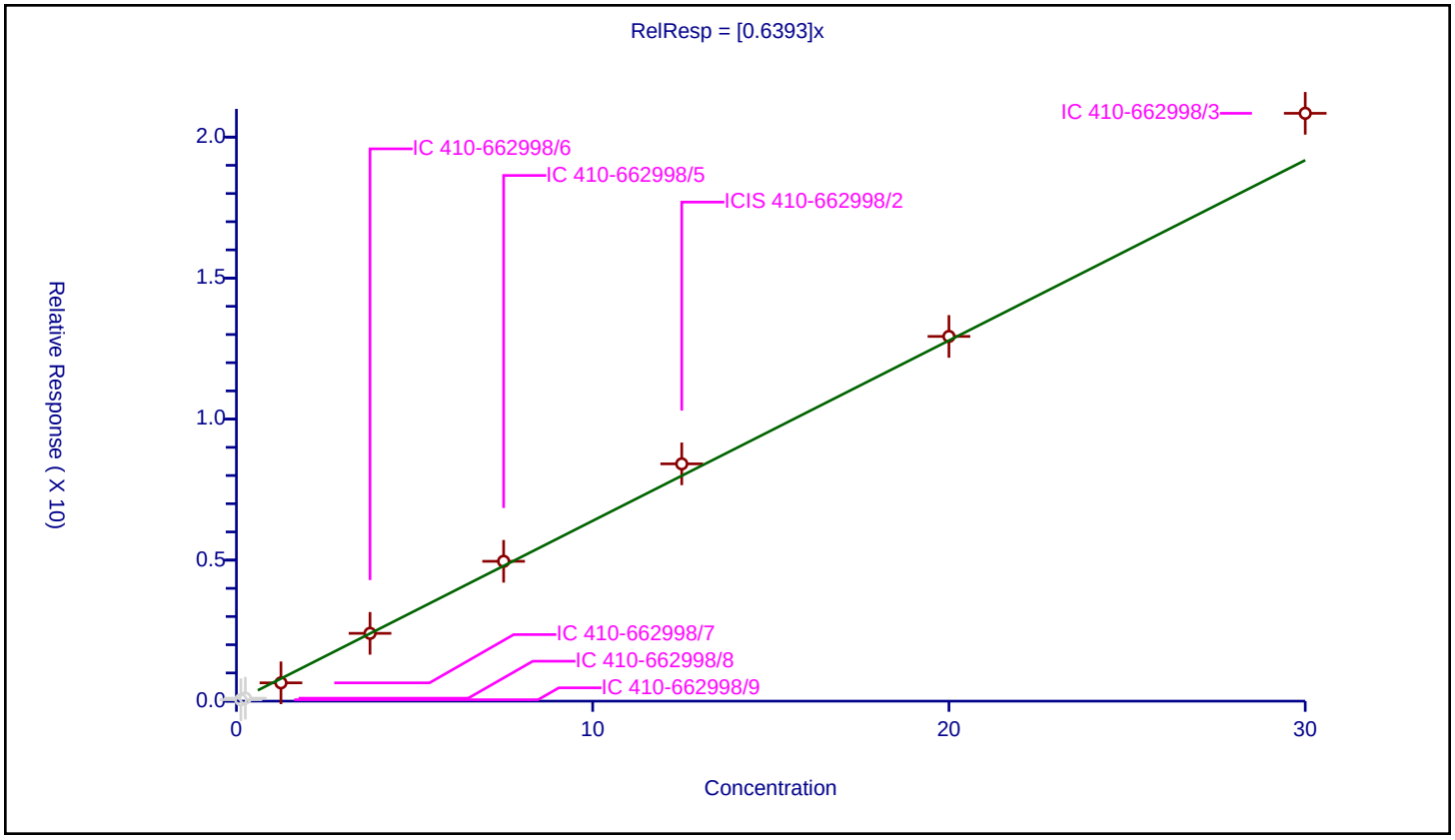
Curve Coefficients

Intercept:	0
Slope:	0.6393

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.050104	5.0	526602.0	0.400834	N
2	IC 410-662998/8	0.25	0.104101	5.0	539140.0	0.416404	N
3	IC 410-662998/7	1.25	0.649271	5.0	532366.0	0.519417	Y
4	IC 410-662998/6	3.75	2.403683	5.0	573443.0	0.640982	Y
5	IC 410-662998/5	7.5	4.958716	5.0	553359.0	0.661162	Y
6	ICIS 410-662998/2	12.5	8.413941	5.0	600230.0	0.673115	Y
7	IC 410-662998/4	20.0	12.932013	5.0	567274.0	0.646601	Y
8	IC 410-662998/3	30.0	20.843488	5.0	522195.0	0.694783	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

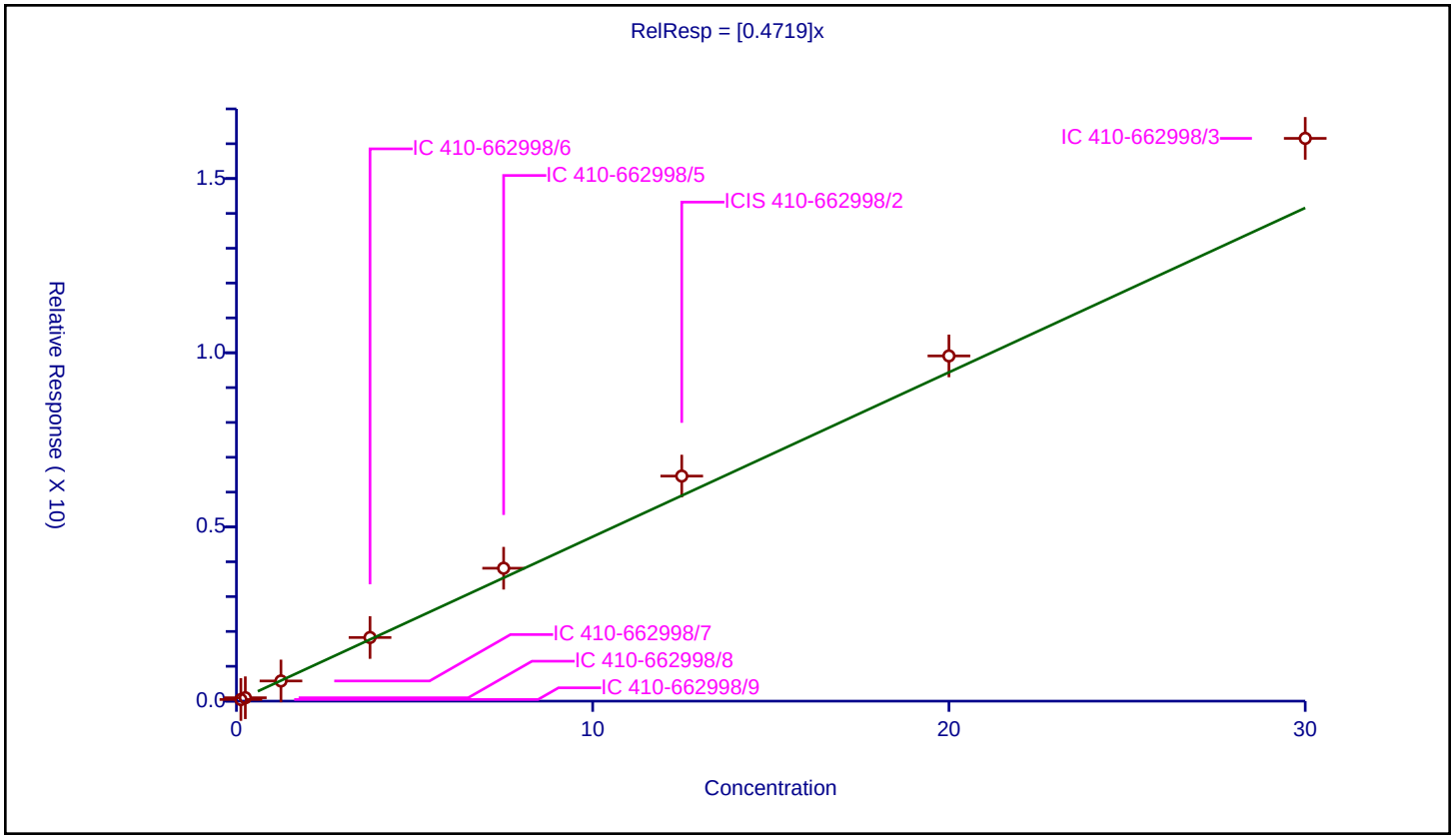
Curve Coefficients

Intercept:	0
Slope:	0.4719

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.046886	5.0	526602.0	0.375084	Y
2	IC 410-662998/8	0.25	0.097665	5.0	539140.0	0.390659	Y
3	IC 410-662998/7	1.25	0.579047	5.0	532366.0	0.463238	Y
4	IC 410-662998/6	3.75	1.826502	5.0	573443.0	0.487067	Y
5	IC 410-662998/5	7.5	3.815037	5.0	553359.0	0.508672	Y
6	ICIS 410-662998/2	12.5	6.460773	5.0	600230.0	0.516862	Y
7	IC 410-662998/4	20.0	9.909453	5.0	567274.0	0.495473	Y
8	IC 410-662998/3	30.0	16.153726	5.0	522195.0	0.538458	Y



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Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

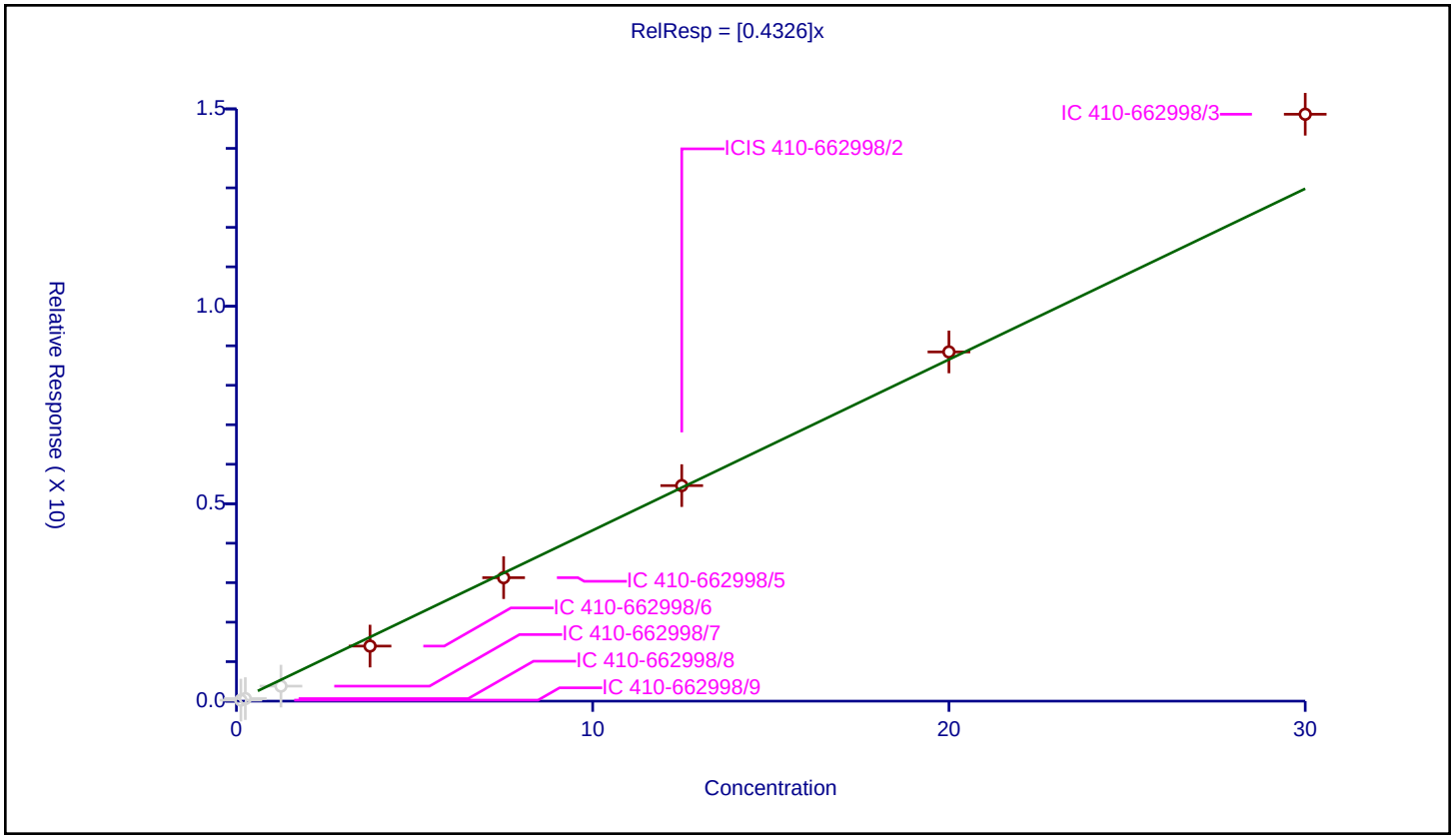
Curve Coefficients

Intercept:	0
Slope:	0.4326

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.026149	5.0	526602.0	0.20919	N
2	IC 410-662998/8	0.25	0.064733	5.0	539140.0	0.258931	N
3	IC 410-662998/7	1.25	0.380424	5.0	532366.0	0.304339	N
4	IC 410-662998/6	3.75	1.394358	5.0	573443.0	0.371829	Y
5	IC 410-662998/5	7.5	3.126894	5.0	553359.0	0.416919	Y
6	ICIS 410-662998/2	12.5	5.458991	5.0	600230.0	0.436719	Y
7	IC 410-662998/4	20.0	8.844306	5.0	567274.0	0.442215	Y
8	IC 410-662998/3	30.0	14.864715	5.0	522195.0	0.495491	Y



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Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

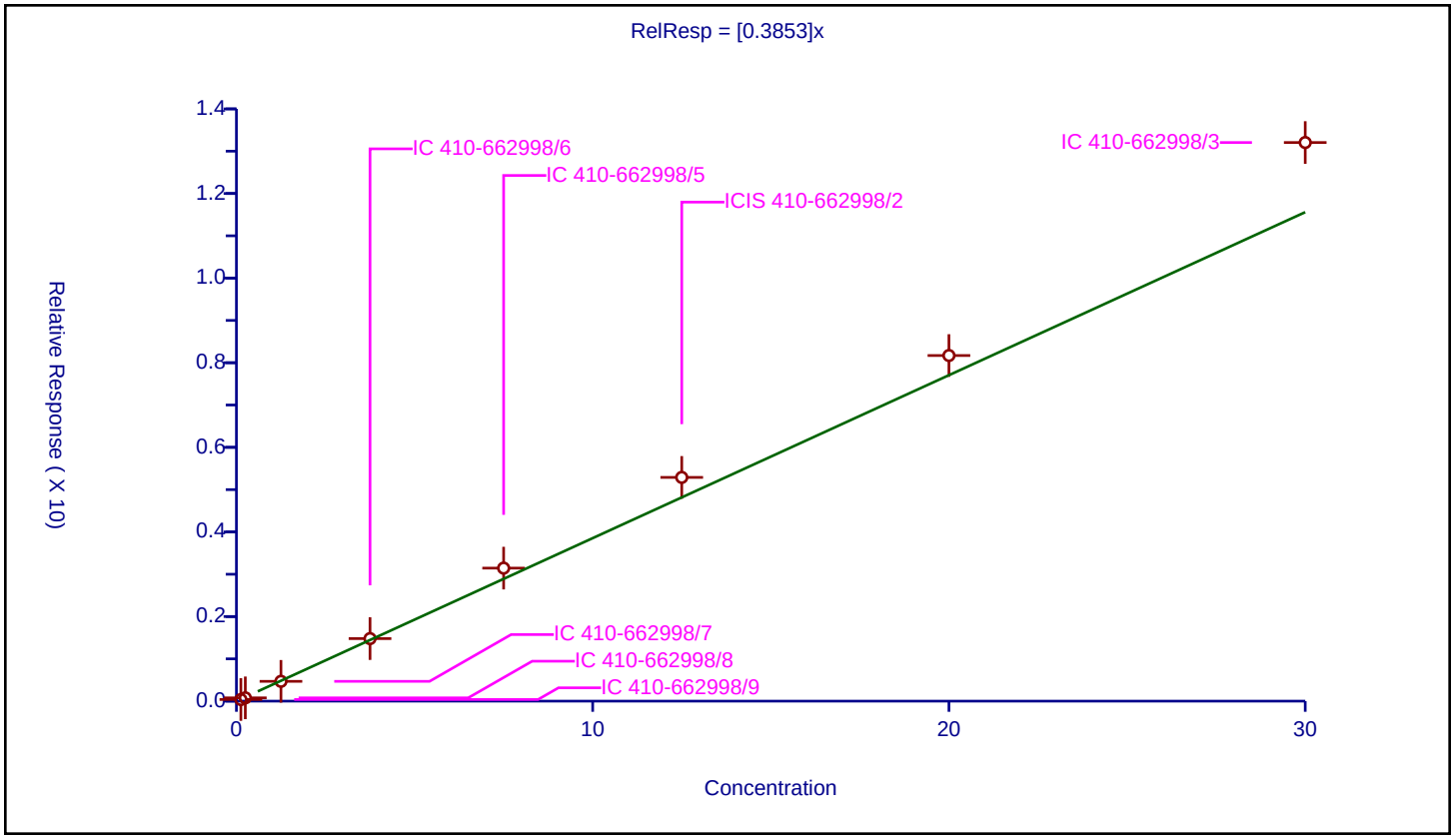
Curve Coefficients

Intercept:	0
Slope:	0.3853

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.038929	5.0	526602.0	0.311431	Y
2	IC 410-662998/8	0.25	0.077753	5.0	539140.0	0.311014	Y
3	IC 410-662998/7	1.25	0.468165	5.0	532366.0	0.374532	Y
4	IC 410-662998/6	3.75	1.478456	5.0	573443.0	0.394255	Y
5	IC 410-662998/5	7.5	3.144631	5.0	553359.0	0.419284	Y
6	ICIS 410-662998/2	12.5	5.288923	5.0	600230.0	0.423114	Y
7	IC 410-662998/4	20.0	8.169747	5.0	567274.0	0.408487	Y
8	IC 410-662998/3	30.0	13.20454	5.0	522195.0	0.440151	Y



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Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

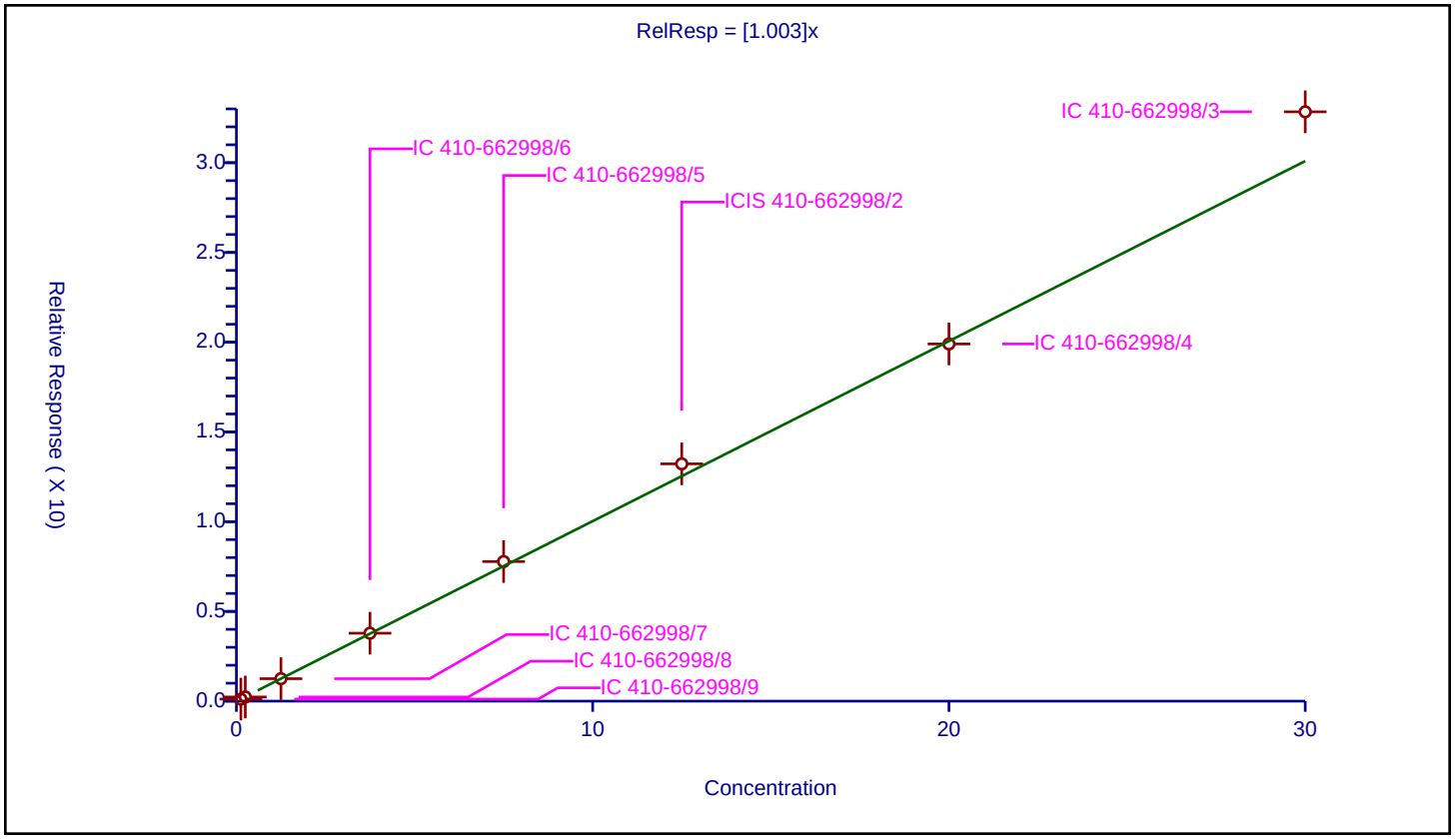
Curve Coefficients

Intercept:	0
Slope:	1.003

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.113577	5.0	526602.0	0.908618	Y
2	IC 410-662998/8	0.25	0.230172	5.0	539140.0	0.920689	Y
3	IC 410-662998/7	1.25	1.251263	5.0	532366.0	1.001011	Y
4	IC 410-662998/6	3.75	3.785154	5.0	573443.0	1.009374	Y
5	IC 410-662998/5	7.5	7.77713	5.0	553359.0	1.036951	Y
6	ICIS 410-662998/2	12.5	13.221532	5.0	600230.0	1.057723	Y
7	IC 410-662998/4	20.0	19.901353	5.0	567274.0	0.995068	Y
8	IC 410-662998/3	30.0	32.837139	5.0	522195.0	1.094571	Y



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Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

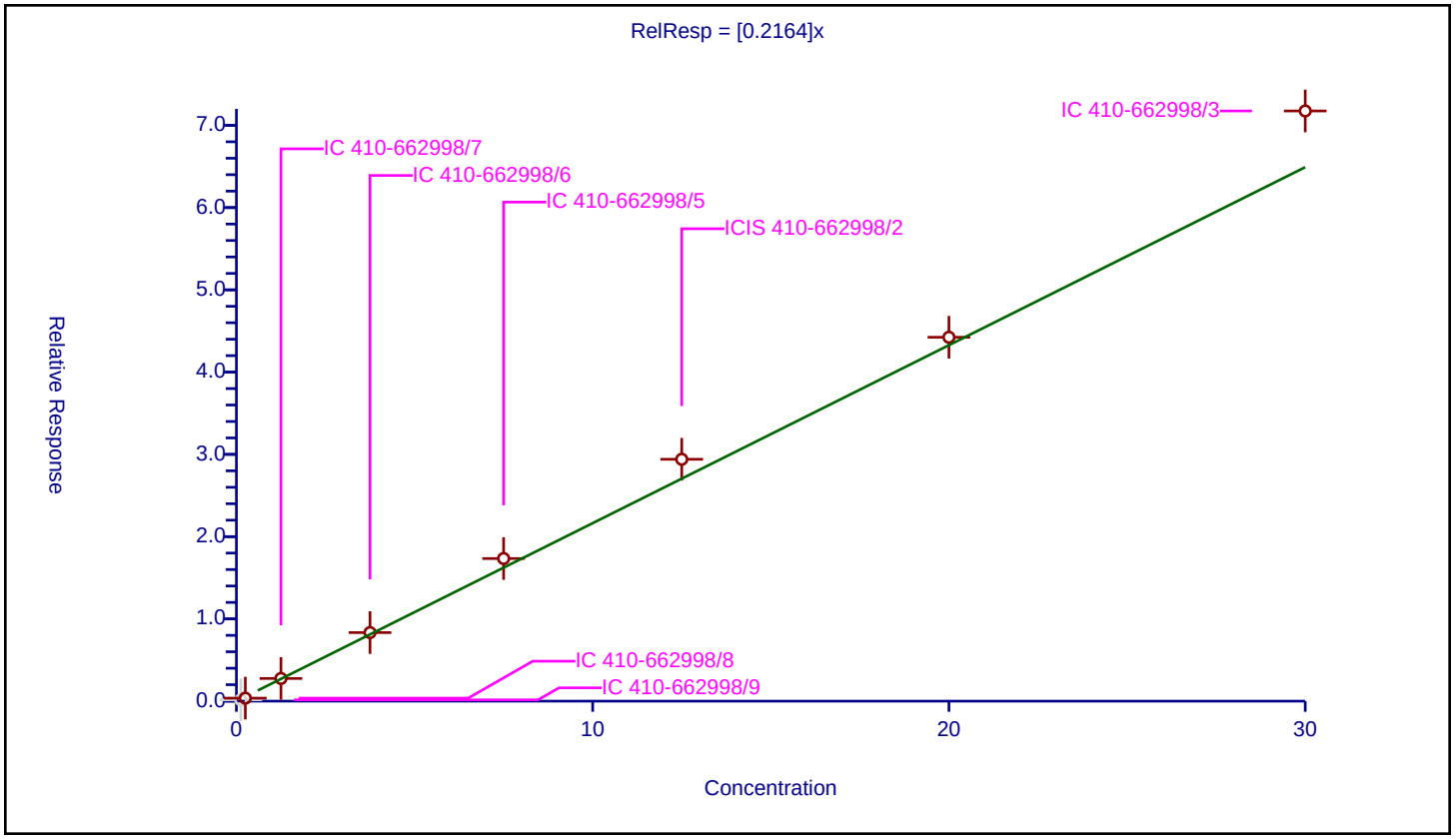
Curve Coefficients

Intercept:	0
Slope:	0.2164

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.015647	5.0	526602.0	0.12518	N
2	IC 410-662998/8	0.25	0.03628	5.0	539140.0	0.14512	Y
3	IC 410-662998/7	1.25	0.275562	5.0	532366.0	0.22045	Y
4	IC 410-662998/6	3.75	0.833623	5.0	573443.0	0.222299	Y
5	IC 410-662998/5	7.5	1.733838	5.0	553359.0	0.231178	Y
6	ICIS 410-662998/2	12.5	2.940498	5.0	600230.0	0.23524	Y
7	IC 410-662998/4	20.0	4.423709	5.0	567274.0	0.221185	Y
8	IC 410-662998/3	30.0	7.174628	5.0	522195.0	0.239154	Y



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Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

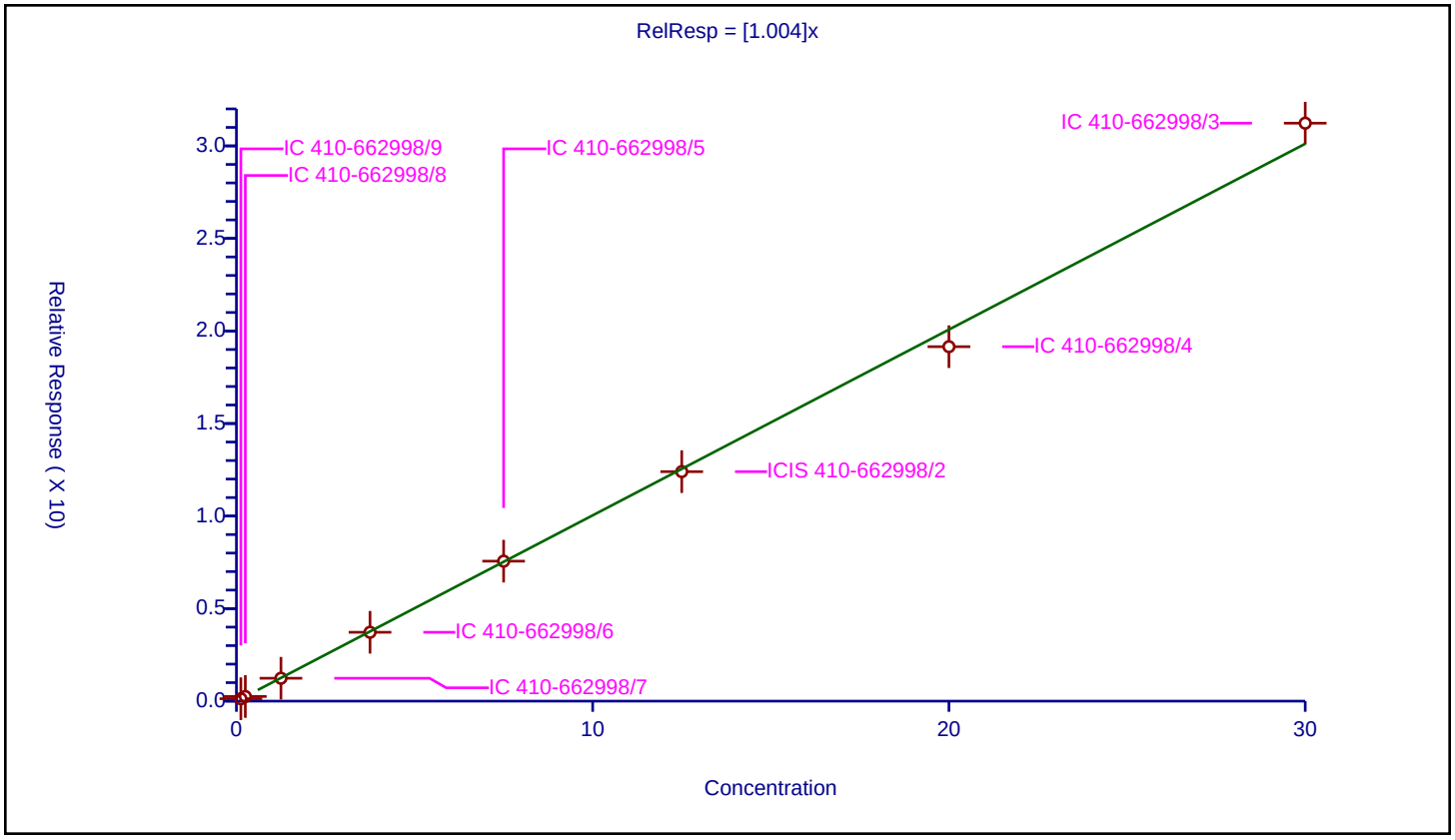
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.130478	5.0	526602.0	1.043824	Y
2	IC 410-662998/8	0.25	0.251419	5.0	539140.0	1.005676	Y
3	IC 410-662998/7	1.25	1.237232	5.0	532366.0	0.989785	Y
4	IC 410-662998/6	3.75	3.721006	5.0	573443.0	0.992268	Y
5	IC 410-662998/5	7.5	7.562505	5.0	553359.0	1.008334	Y
6	ICIS 410-662998/2	12.5	12.400438	5.0	600230.0	0.992035	Y
7	IC 410-662998/4	20.0	19.151821	5.0	567274.0	0.957591	Y
8	IC 410-662998/3	30.0	31.228478	5.0	522195.0	1.040949	Y



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Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

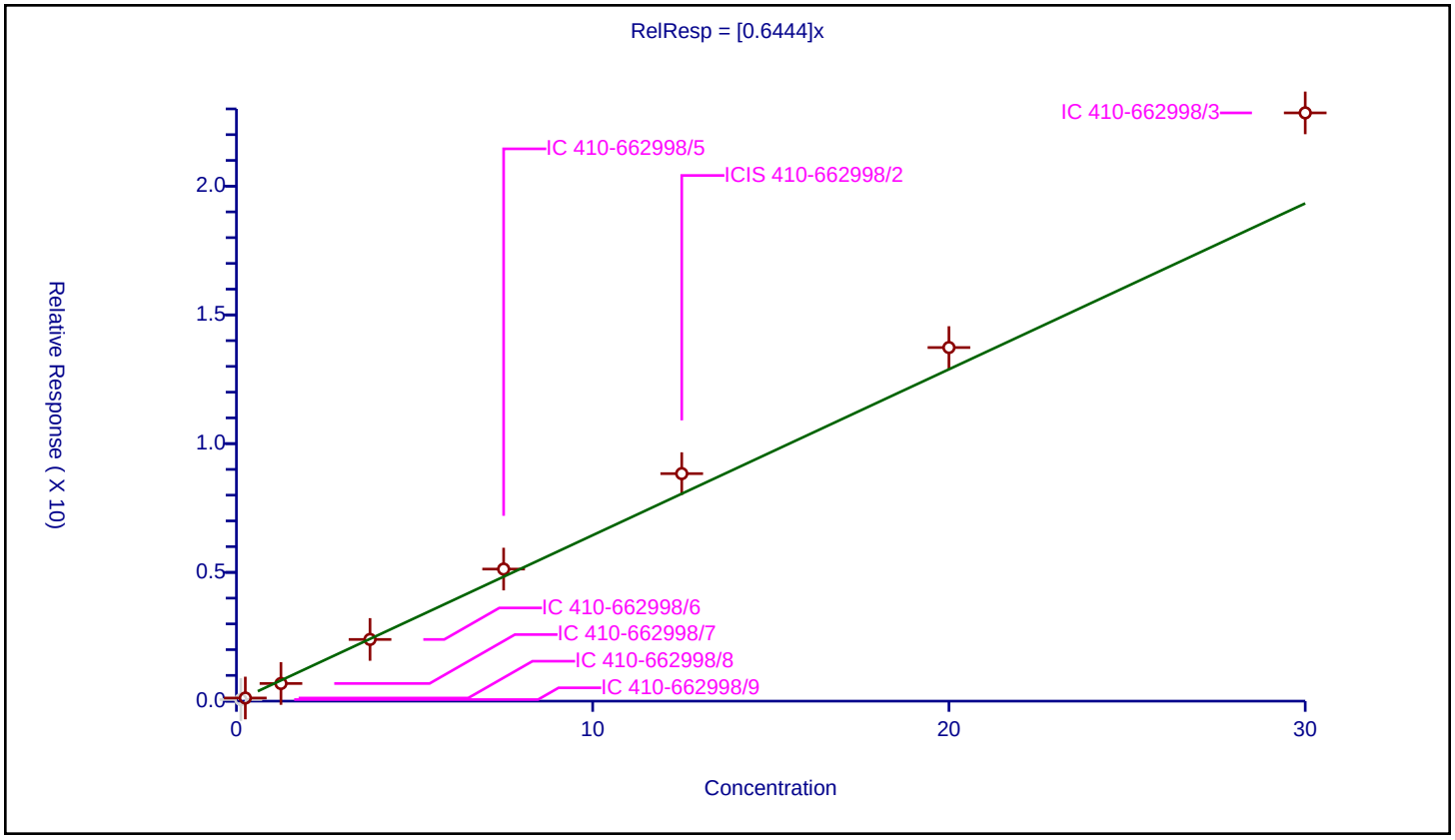
Curve Coefficients

Intercept:	0
Slope:	0.6444

Error Coefficients

Relative Standard Deviation:	15.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.061346	5.0	526602.0	0.490769	N
2	IC 410-662998/8	0.25	0.121119	5.0	539140.0	0.484475	Y
3	IC 410-662998/7	1.25	0.685262	5.0	532366.0	0.548209	Y
4	IC 410-662998/6	3.75	2.396088	5.0	573443.0	0.638957	Y
5	IC 410-662998/5	7.5	5.12913	5.0	553359.0	0.683884	Y
6	ICIS 410-662998/2	12.5	8.835396	5.0	600230.0	0.706832	Y
7	IC 410-662998/4	20.0	13.732032	5.0	567274.0	0.686602	Y
8	IC 410-662998/3	30.0	22.845125	5.0	522195.0	0.761504	Y



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Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

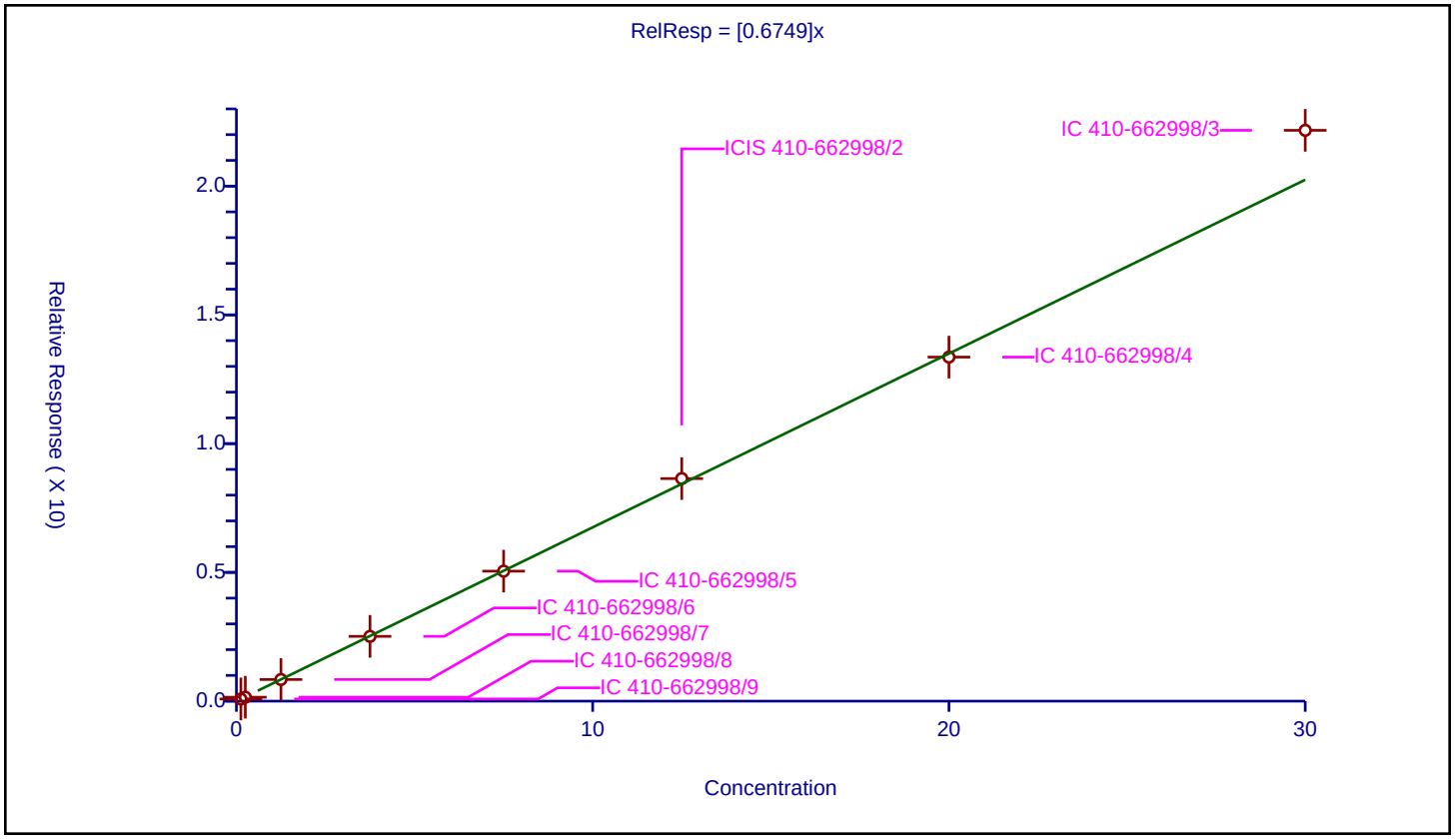
Curve Coefficients

Intercept:	0
Slope:	0.6749

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.084248	5.0	526602.0	0.673981	Y
2	IC 410-662998/8	0.25	0.152613	5.0	539140.0	0.610454	Y
3	IC 410-662998/7	1.25	0.840305	5.0	532366.0	0.672244	Y
4	IC 410-662998/6	3.75	2.516109	5.0	573443.0	0.670962	Y
5	IC 410-662998/5	7.5	5.047853	5.0	553359.0	0.673047	Y
6	ICIS 410-662998/2	12.5	8.643178	5.0	600230.0	0.691454	Y
7	IC 410-662998/4	20.0	13.361215	5.0	567274.0	0.668061	Y
8	IC 410-662998/3	30.0	22.167179	5.0	522195.0	0.738906	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

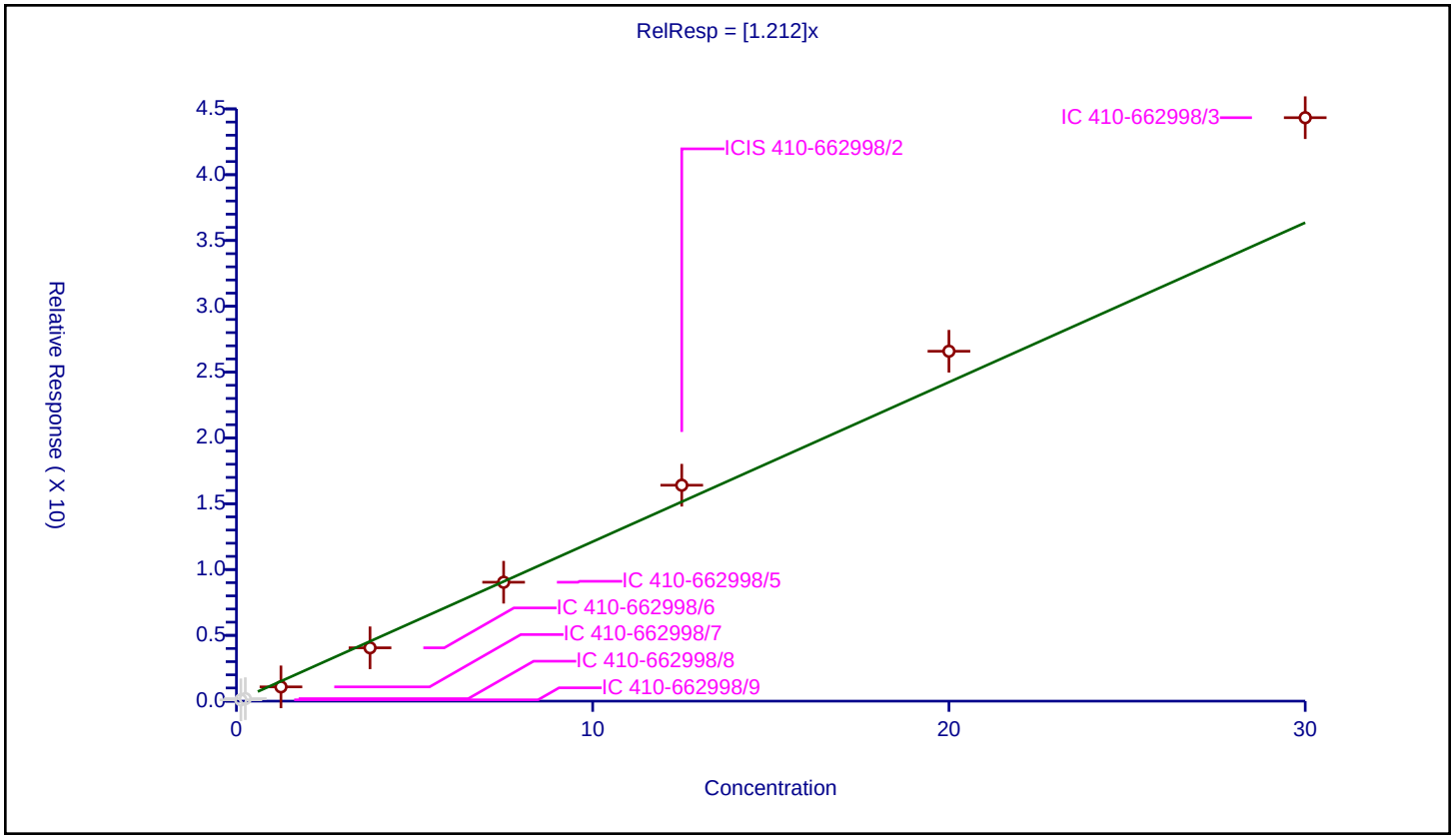
Curve Coefficients

Intercept:	0
Slope:	1.212

Error Coefficients

Relative Standard Deviation:	17.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.09944	5.0	406678.0	0.795519	N
2	IC 410-662998/8	0.25	0.188643	5.0	421431.0	0.754572	N
3	IC 410-662998/7	1.25	1.082908	5.0	417787.0	0.866327	Y
4	IC 410-662998/6	3.75	4.051823	5.0	454820.0	1.080486	Y
5	IC 410-662998/5	7.5	9.034612	5.0	449503.0	1.204615	Y
6	ICIS 410-662998/2	12.5	16.406245	5.0	479703.0	1.3125	Y
7	IC 410-662998/4	20.0	26.587092	5.0	446247.0	1.329355	Y
8	IC 410-662998/3	30.0	44.331153	5.0	414512.0	1.477705	Y



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Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

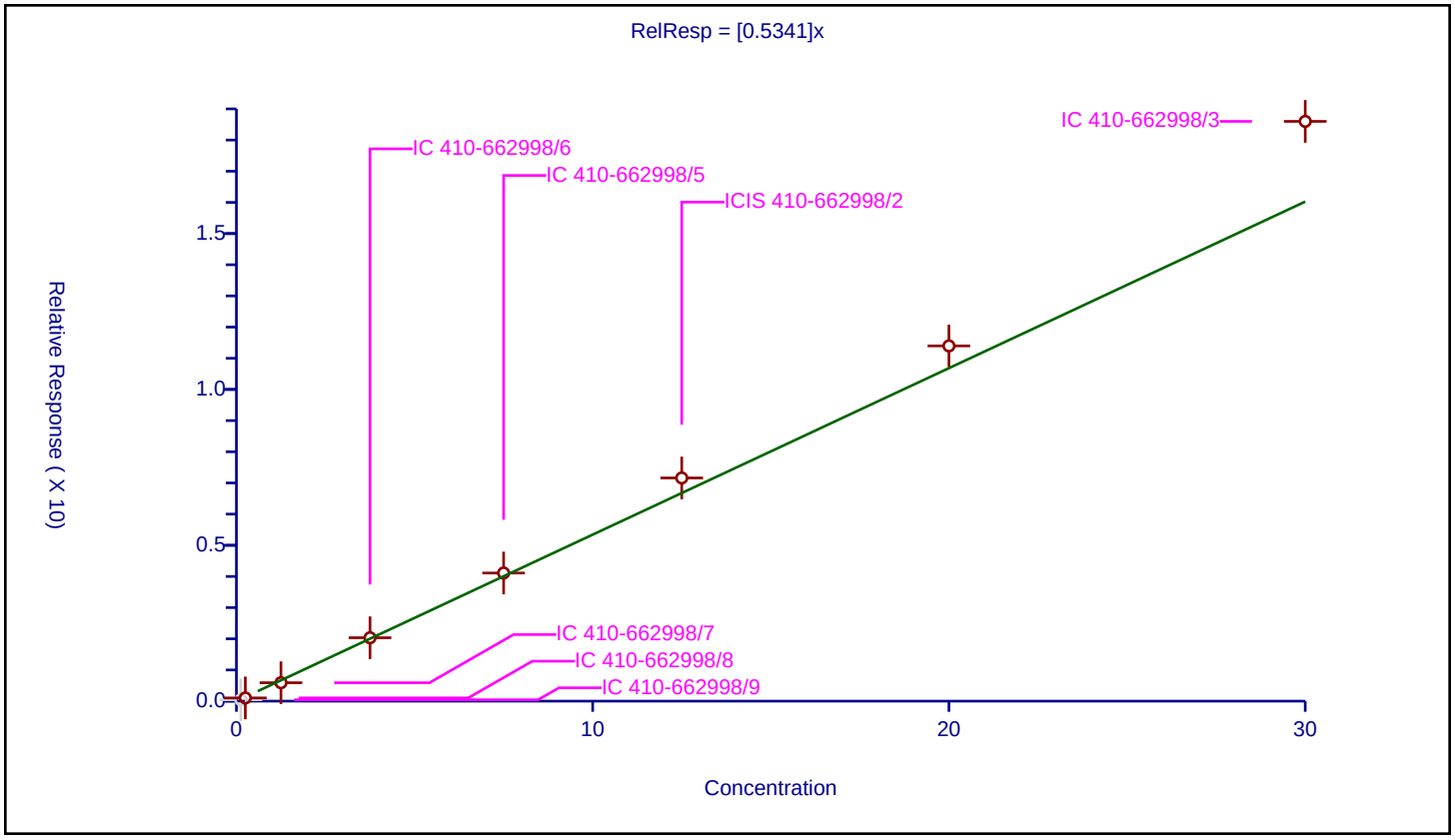
Curve Coefficients

Intercept:	0
Slope:	0.5341

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.043622	5.0	406678.0	0.348974	N
2	IC 410-662998/8	0.25	0.103327	5.0	421431.0	0.413306	Y
3	IC 410-662998/7	1.25	0.590803	5.0	417787.0	0.472643	Y
4	IC 410-662998/6	3.75	2.033706	5.0	454820.0	0.542322	Y
5	IC 410-662998/5	7.5	4.110584	5.0	449503.0	0.548078	Y
6	ICIS 410-662998/2	12.5	7.160139	5.0	479703.0	0.572811	Y
7	IC 410-662998/4	20.0	11.396099	5.0	446247.0	0.569805	Y
8	IC 410-662998/3	30.0	18.599076	5.0	414512.0	0.619969	Y



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Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

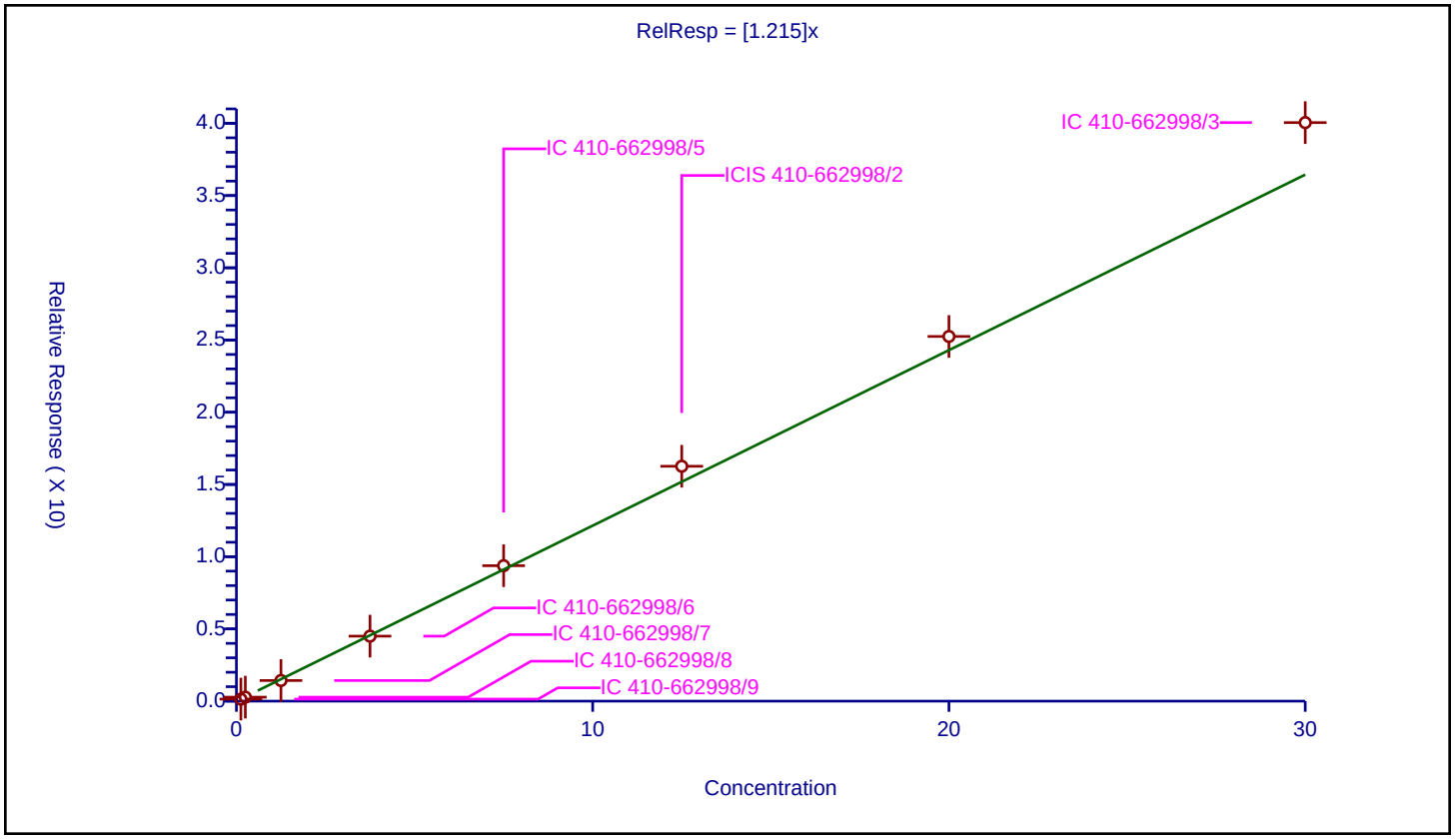
Curve Coefficients

Intercept:	0
Slope:	1.215

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.140775	5.0	406678.0	1.126198	Y
2	IC 410-662998/8	0.25	0.275692	5.0	421431.0	1.102767	Y
3	IC 410-662998/7	1.25	1.427318	5.0	417787.0	1.141855	Y
4	IC 410-662998/6	3.75	4.499681	5.0	454820.0	1.199915	Y
5	IC 410-662998/5	7.5	9.37739	5.0	449503.0	1.250319	Y
6	ICIS 410-662998/2	12.5	16.260353	5.0	479703.0	1.300828	Y
7	IC 410-662998/4	20.0	25.246119	5.0	446247.0	1.262306	Y
8	IC 410-662998/3	30.0	40.04989	5.0	414512.0	1.334996	Y



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Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

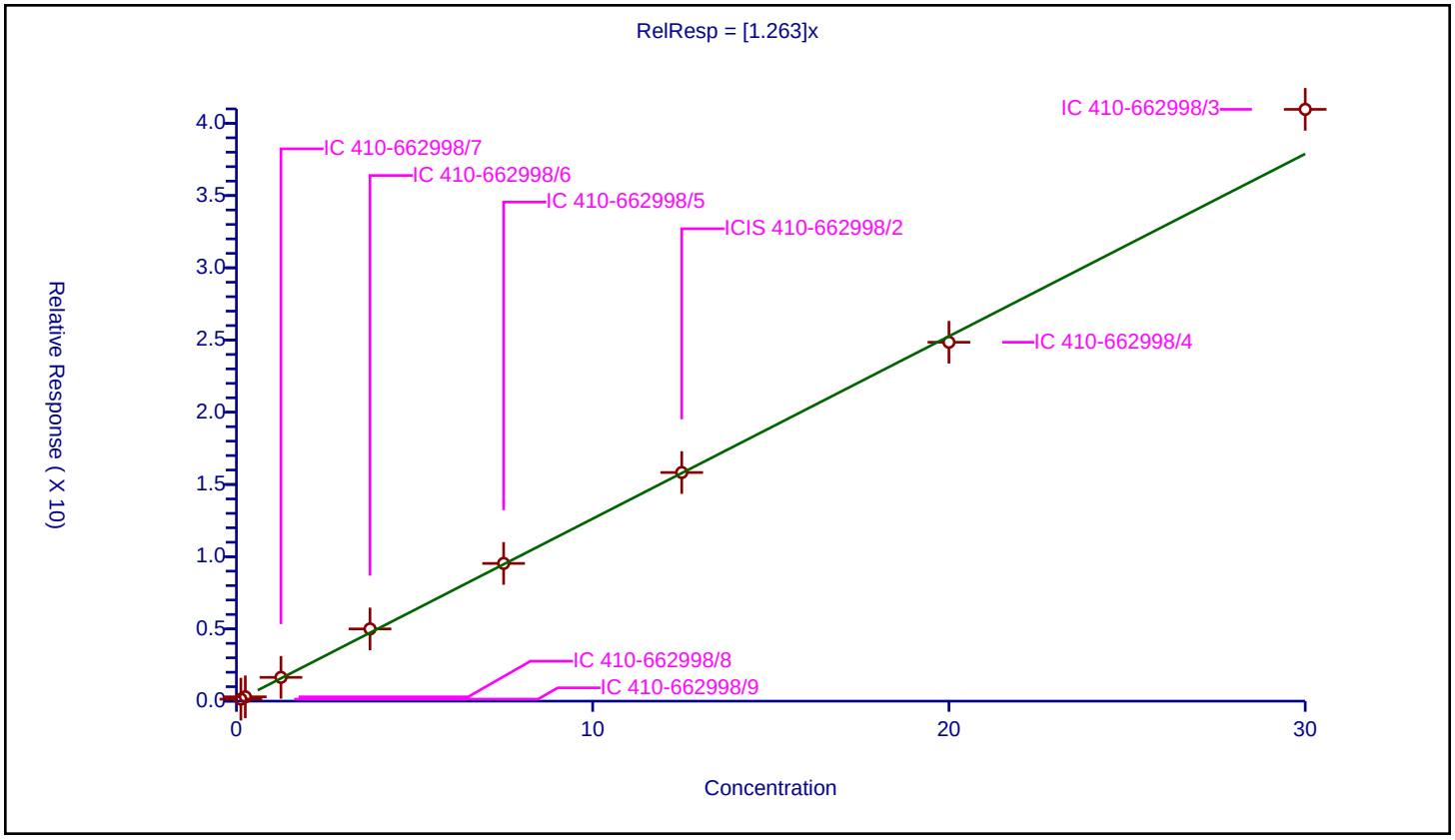
Curve Coefficients

Intercept:	0
Slope:	1.263

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.139078	5.0	406678.0	1.112625	Y
2	IC 410-662998/8	0.25	0.299005	5.0	421431.0	1.19602	Y
3	IC 410-662998/7	1.25	1.645157	5.0	417787.0	1.316125	Y
4	IC 410-662998/6	3.75	4.998692	5.0	454820.0	1.332984	Y
5	IC 410-662998/5	7.5	9.533485	5.0	449503.0	1.271131	Y
6	ICIS 410-662998/2	12.5	15.8282	5.0	479703.0	1.266256	Y
7	IC 410-662998/4	20.0	24.846598	5.0	446247.0	1.24233	Y
8	IC 410-662998/3	30.0	40.96774	5.0	414512.0	1.365591	Y



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Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

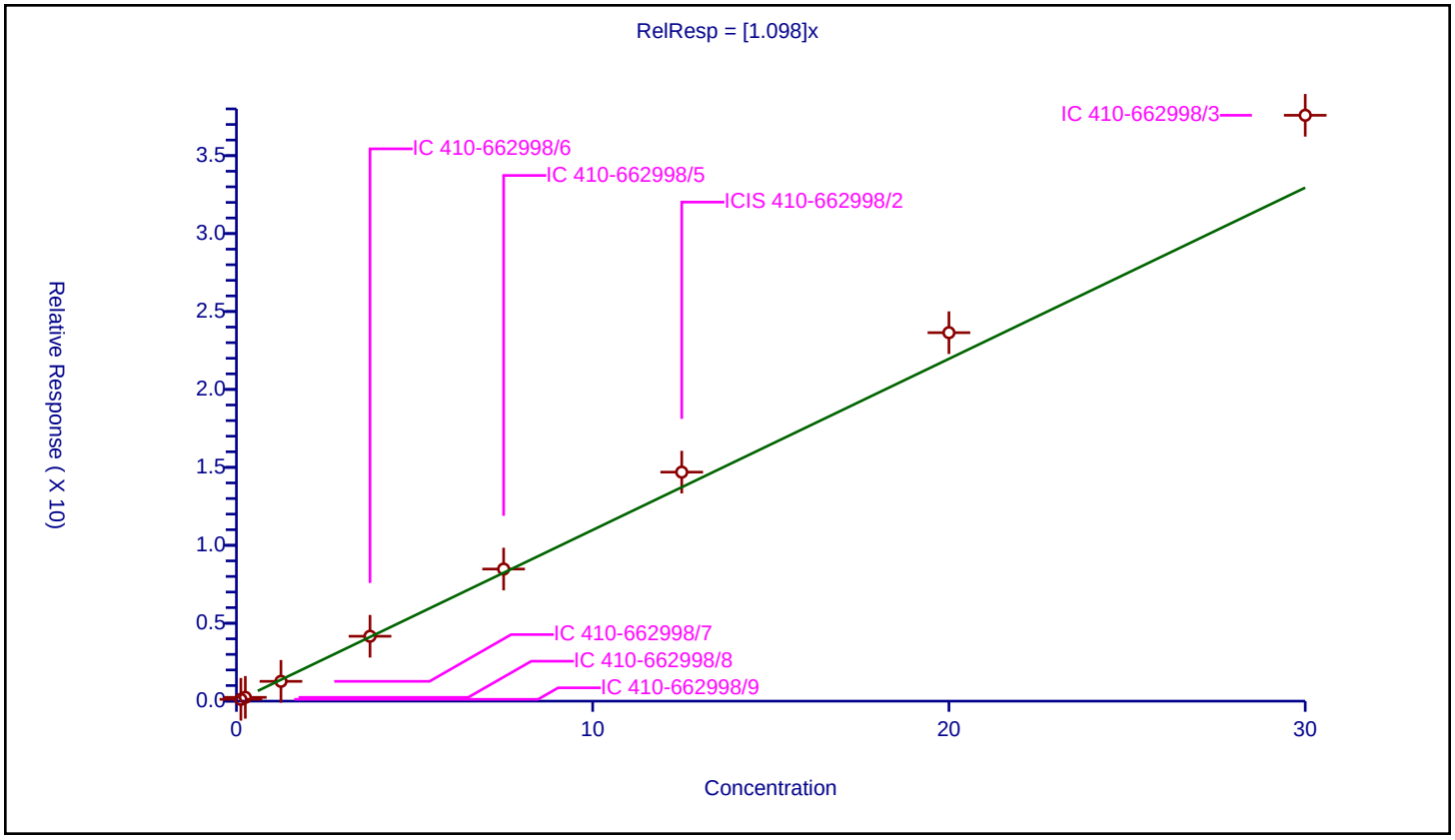
Curve Coefficients

Intercept:	0
Slope:	1.098

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.11755	5.0	406678.0	0.9404	Y
2	IC 410-662998/8	0.25	0.244239	5.0	421431.0	0.976957	Y
3	IC 410-662998/7	1.25	1.270935	5.0	417787.0	1.016748	Y
4	IC 410-662998/6	3.75	4.164516	5.0	454820.0	1.110538	Y
5	IC 410-662998/5	7.5	8.475995	5.0	449503.0	1.130133	Y
6	ICIS 410-662998/2	12.5	14.693237	5.0	479703.0	1.175459	Y
7	IC 410-662998/4	20.0	23.641313	5.0	446247.0	1.182066	Y
8	IC 410-662998/3	30.0	37.589732	5.0	414512.0	1.252991	Y



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Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

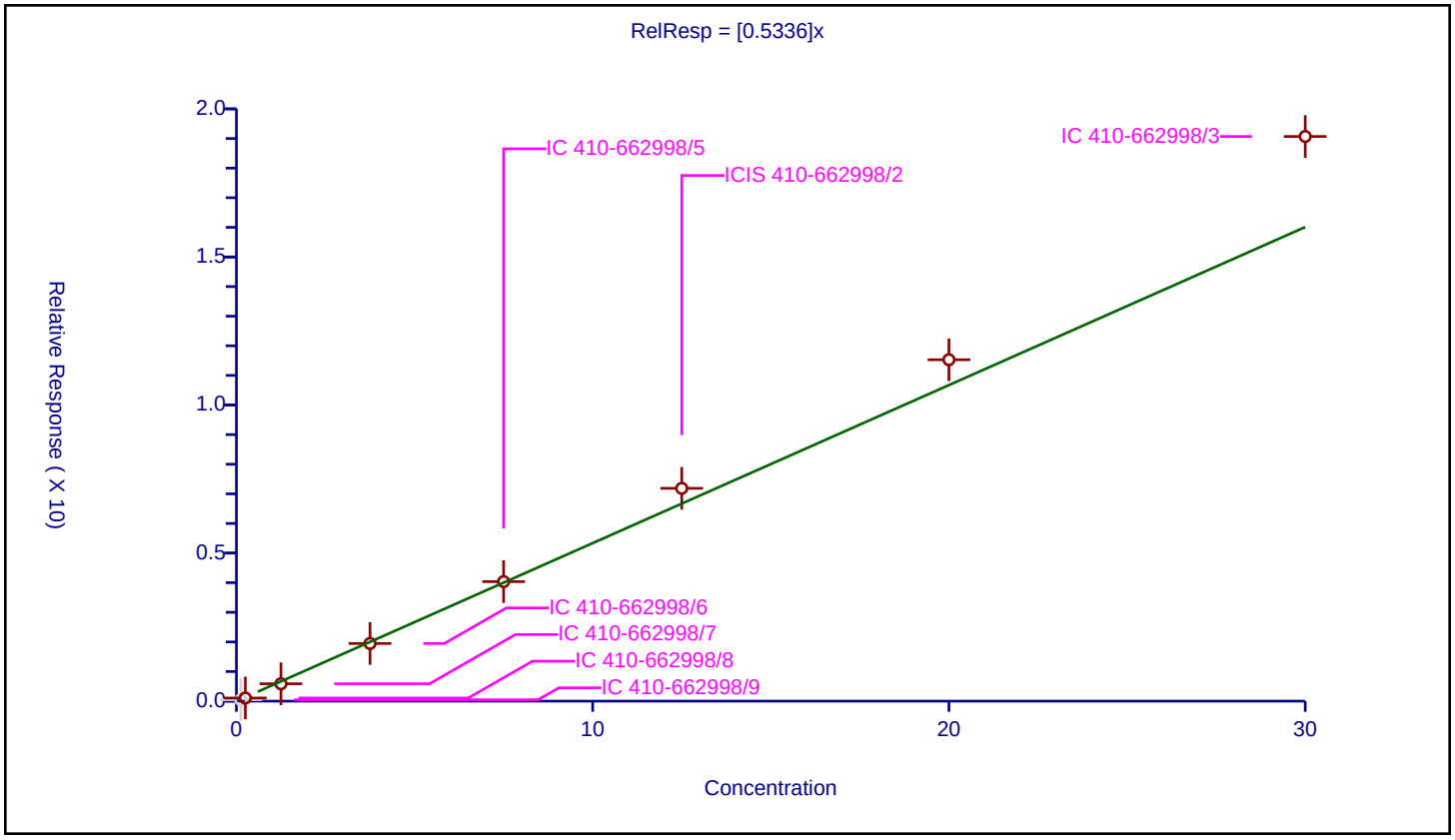
Curve Coefficients

Intercept:	0
Slope:	0.5336

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.046868	5.0	406678.0	0.37494	N
2	IC 410-662998/8	0.25	0.105343	5.0	421431.0	0.421374	Y
3	IC 410-662998/7	1.25	0.587081	5.0	417787.0	0.469665	Y
4	IC 410-662998/6	3.75	1.946902	5.0	454820.0	0.519174	Y
5	IC 410-662998/5	7.5	4.036447	5.0	449503.0	0.538193	Y
6	ICIS 410-662998/2	12.5	7.186718	5.0	479703.0	0.574937	Y
7	IC 410-662998/4	20.0	11.529153	5.0	446247.0	0.576458	Y
8	IC 410-662998/3	30.0	19.068579	5.0	414512.0	0.635619	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

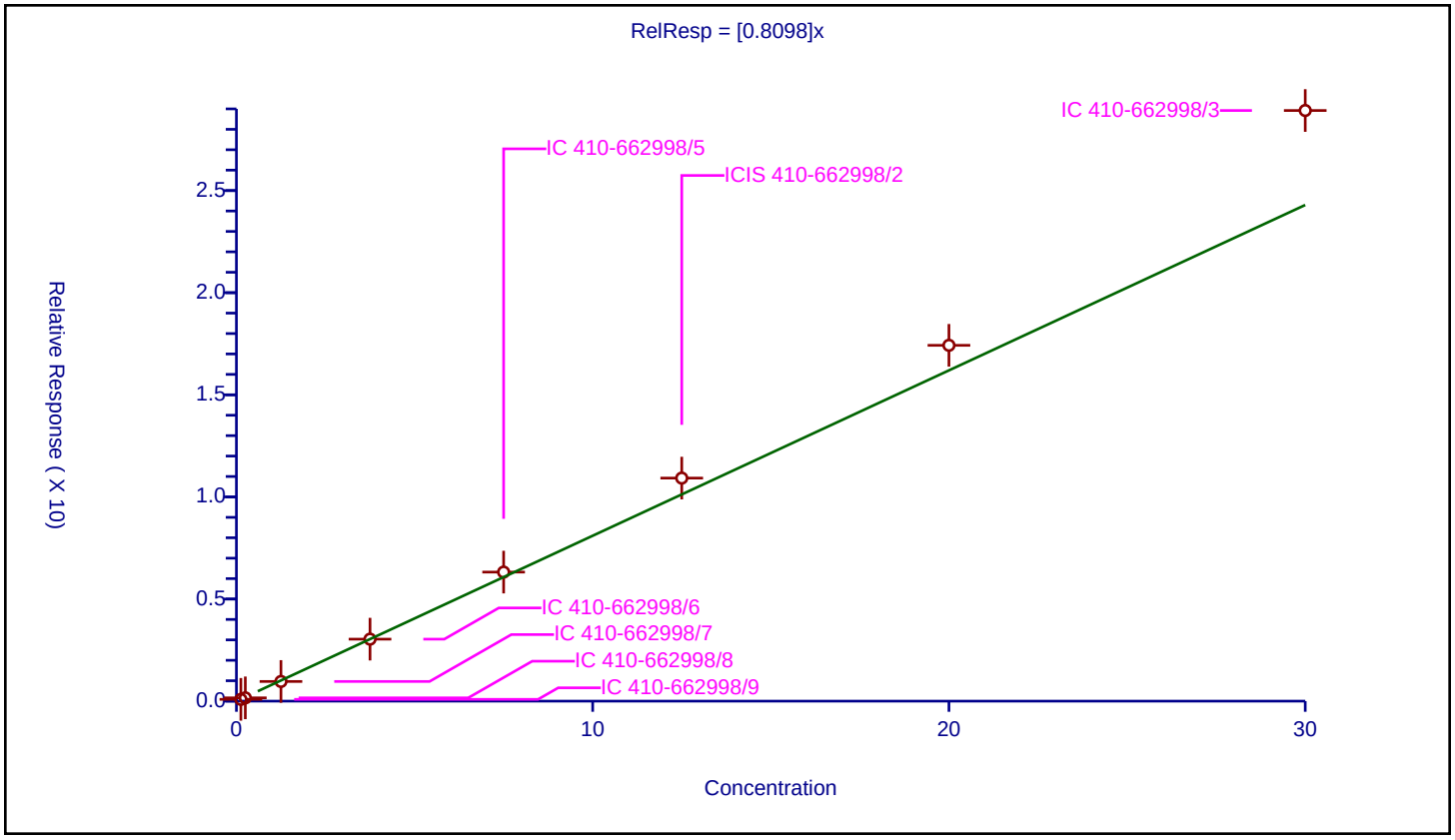
Curve Coefficients

Intercept:	0
Slope:	0.8098

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.088129	5.0	406678.0	0.70503	Y
2	IC 410-662998/8	0.25	0.160513	5.0	421431.0	0.642051	Y
3	IC 410-662998/7	1.25	0.963182	5.0	417787.0	0.770546	Y
4	IC 410-662998/6	3.75	3.035838	5.0	454820.0	0.809557	Y
5	IC 410-662998/5	7.5	6.318934	5.0	449503.0	0.842525	Y
6	ICIS 410-662998/2	12.5	10.921299	5.0	479703.0	0.873704	Y
7	IC 410-662998/4	20.0	17.422728	5.0	446247.0	0.871136	Y
8	IC 410-662998/3	30.0	28.920067	5.0	414512.0	0.964002	Y



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Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

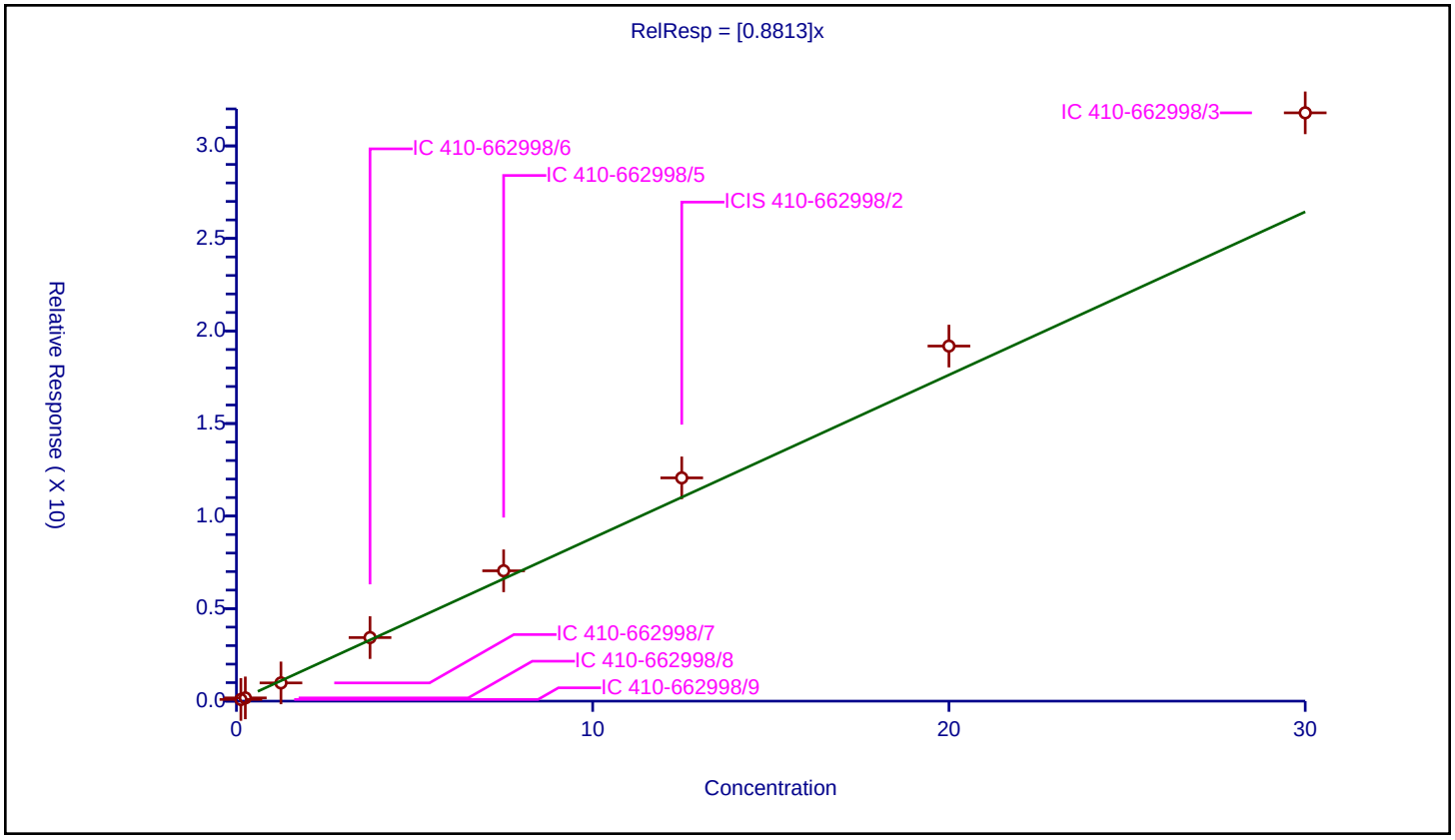
Curve Coefficients

Intercept:	0
Slope:	0.8813

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.090821	5.0	406678.0	0.72657	Y
2	IC 410-662998/8	0.25	0.174252	5.0	421431.0	0.697006	Y
3	IC 410-662998/7	1.25	0.985167	5.0	417787.0	0.788134	Y
4	IC 410-662998/6	3.75	3.434809	5.0	454820.0	0.915949	Y
5	IC 410-662998/5	7.5	7.041711	5.0	449503.0	0.938895	Y
6	ICIS 410-662998/2	12.5	12.062808	5.0	479703.0	0.965025	Y
7	IC 410-662998/4	20.0	19.184734	5.0	446247.0	0.959237	Y
8	IC 410-662998/3	30.0	31.786933	5.0	414512.0	1.059564	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

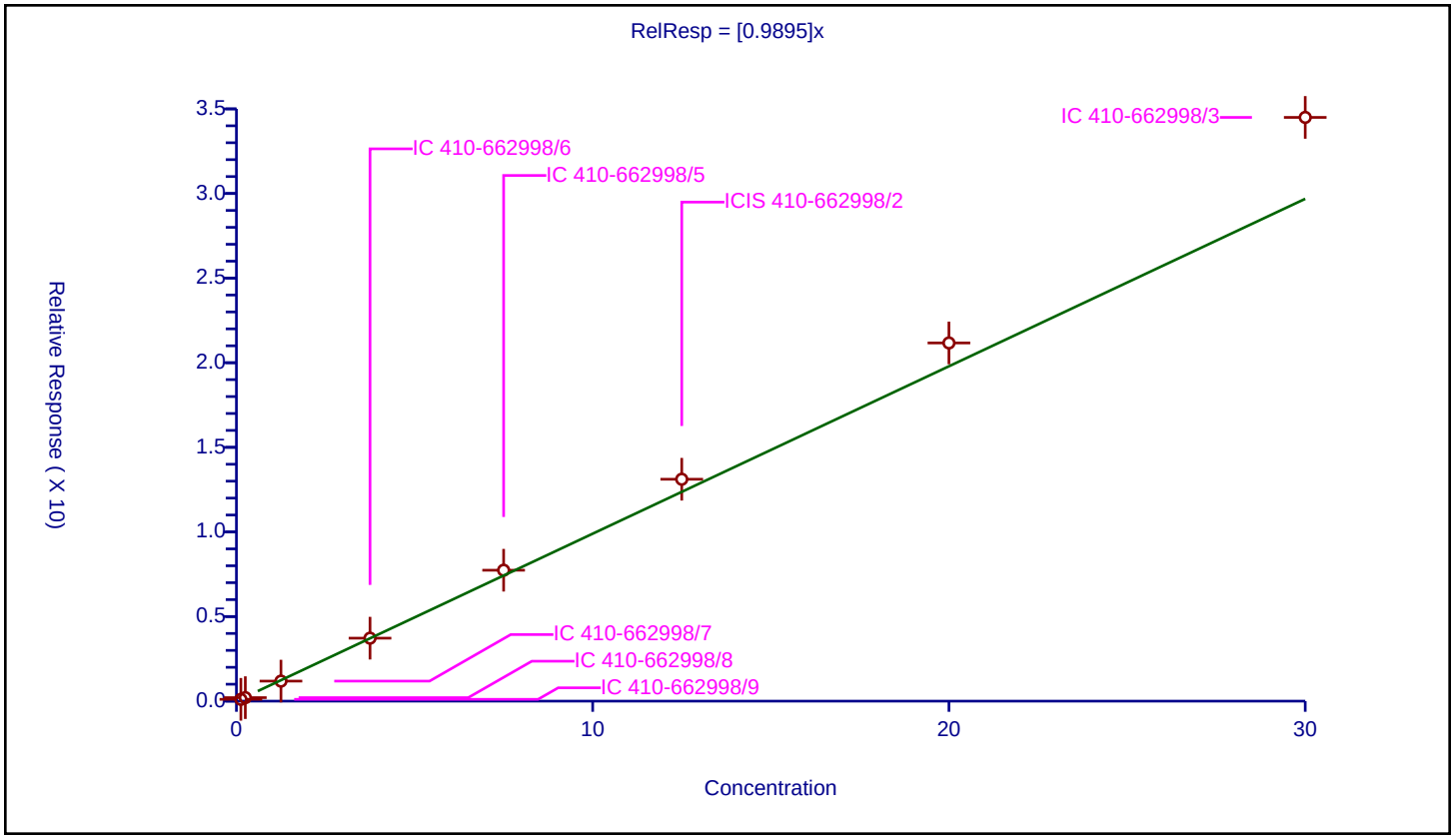
Curve Coefficients

Intercept:	0
Slope:	0.9895

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.107419	5.0	406678.0	0.859353	Y
2	IC 410-662998/8	0.25	0.206997	5.0	421431.0	0.827988	Y
3	IC 410-662998/7	1.25	1.183629	5.0	417787.0	0.946904	Y
4	IC 410-662998/6	3.75	3.722396	5.0	454820.0	0.992639	Y
5	IC 410-662998/5	7.5	7.737468	5.0	449503.0	1.031662	Y
6	ICIS 410-662998/2	12.5	13.113343	5.0	479703.0	1.049067	Y
7	IC 410-662998/4	20.0	21.167011	5.0	446247.0	1.058351	Y
8	IC 410-662998/3	30.0	34.496299	5.0	414512.0	1.149877	Y



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Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

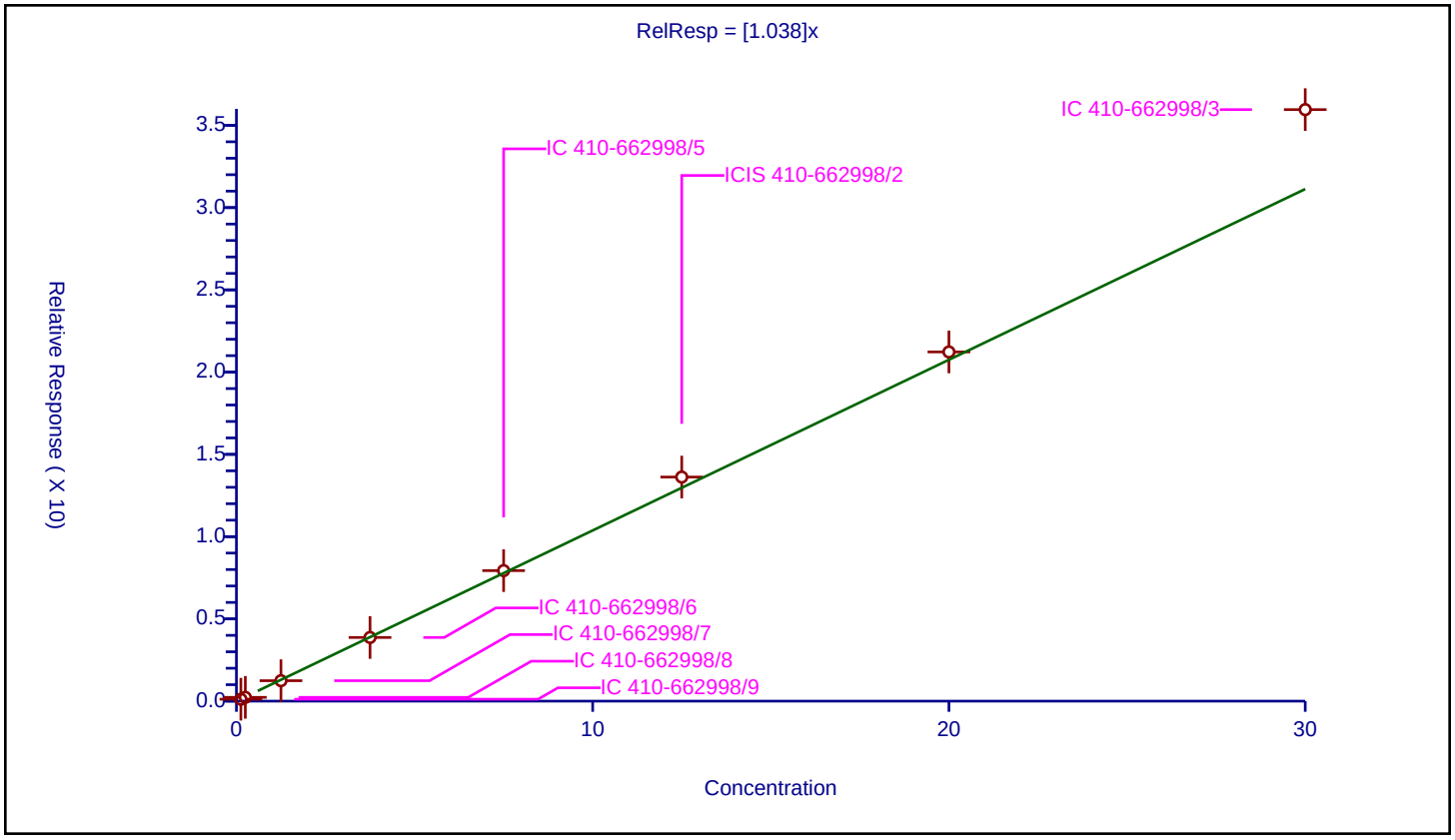
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.11755	5.0	406678.0	0.9404	Y
2	IC 410-662998/8	0.25	0.231473	5.0	421431.0	0.925893	Y
3	IC 410-662998/7	1.25	1.243074	5.0	417787.0	0.994459	Y
4	IC 410-662998/6	3.75	3.870762	5.0	454820.0	1.032203	Y
5	IC 410-662998/5	7.5	7.933095	5.0	449503.0	1.057746	Y
6	ICIS 410-662998/2	12.5	13.621605	5.0	479703.0	1.089728	Y
7	IC 410-662998/4	20.0	21.226742	5.0	446247.0	1.061337	Y
8	IC 410-662998/3	30.0	35.95604	5.0	414512.0	1.198535	Y



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Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

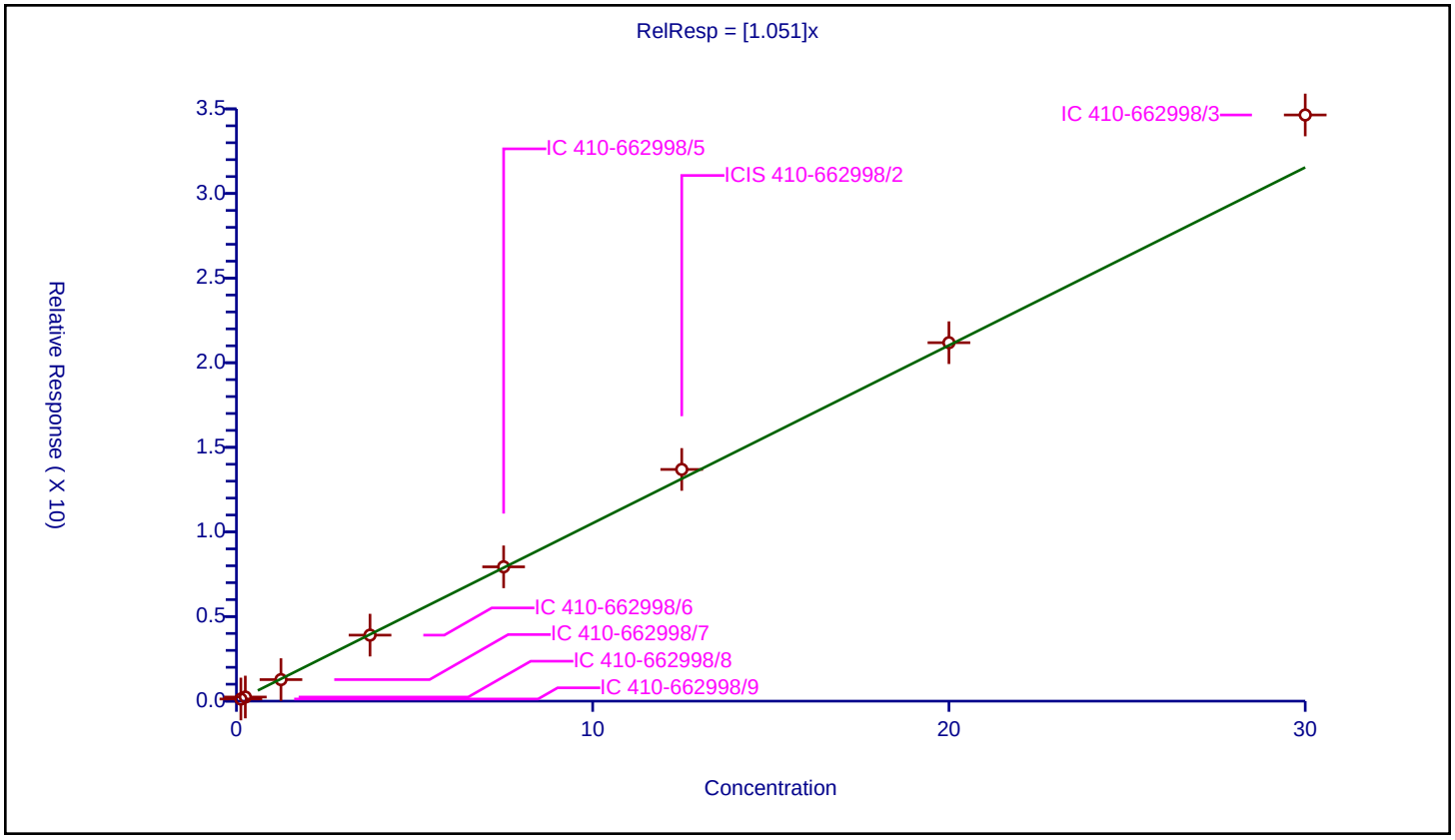
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-662998/9	0.125	0.126316	5.0	406678.0	1.010529	Y
2	IC 410-662998/8	0.25	0.243741	5.0	421431.0	0.974964	Y
3	IC 410-662998/7	1.25	1.272347	5.0	417787.0	1.017878	Y
4	IC 410-662998/6	3.75	3.900455	5.0	454820.0	1.040121	Y
5	IC 410-662998/5	7.5	7.937389	5.0	449503.0	1.058318	Y
6	ICIS 410-662998/2	12.5	13.692608	5.0	479703.0	1.095409	Y
7	IC 410-662998/4	20.0	21.182764	5.0	446247.0	1.059138	Y
8	IC 410-662998/3	30.0	34.641144	5.0	414512.0	1.154705	Y



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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-630243/9	JD1409.D
Level 2	IC 410-630243/8	JD1408.D
Level 3	IC 410-630243/7	JD1407.D
Level 4	IC 410-630243/6	JD1406.D
Level 5	IC 410-630243/5	JD1405.D
Level 6	ICIS 410-630243/2	JD1401a.D
Level 7	IC 410-630243/4	JD1404.D
Level 8	IC 410-630243/3	JD1403.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.6828	+++++ 0.6452	0.9986 0.6138	0.6581	0.6055	Lin2	0.4829	0.5909							0.9910		0.9900
N-Nitrosodimethylamine	1.1318 1.2619	1.3240 1.1630	1.1195 1.1329	1.0807	1.0607	Ave		1.1593				7.8		20.0			
Pyridine	1.8223 2.0417	1.7992 1.8635	1.8692 1.8029	1.7226	1.7281	Ave		1.8312				5.5		20.0			
N,N-dimethylformamide	+++++ 1.5268	+++++ 1.4523	1.4516 1.3647	1.2808	1.2857	Ave		1.3937				7.2		20.0			
2-Picoline	1.7772 1.9311	1.7479 1.8033	1.6421 1.8112	1.6920	1.7331	Ave		1.7672				4.9		20.0			
N-Nitrosomethylethylamine	+++++ 0.8234	+++++ 0.7443	0.9418 0.7336	0.7422	0.7847	Ave		0.7950				10.0		20.0			
Methyl methanesulfonate	1.3909 1.1927	1.0455 1.1360	1.1382 1.1115	1.1713	1.0709	Ave		1.1571				9.2		20.0			
N-Nitrosodiethylamine	0.7995 0.7545	0.7497 0.6782	0.6547 0.6823	0.6631	0.6842	Ave		0.7083				7.4		20.0			
Ethyl methanesulfonate	0.7842 0.8108	0.7863 0.7684	0.7606 0.7535	0.7436	0.7162	Ave		0.7655				3.8		20.0			
Benzaldehyde	2.1229 1.7360	1.6905 1.3987	1.7845 +++++	1.6397	1.6073	Ave		1.7114			0.0100	12.8		20.0			
Phenol	1.6019 2.2014	1.6532 2.1550	1.9281 2.0756	1.9508	2.0431	Ave		1.9511			0.8000	11.3		20.0			
Aniline	2.5364 3.0102	2.6347 2.7932	2.6101 2.7147	2.5154	2.6886	Ave		2.6879				5.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.5833 1.8074	1.5360 1.7116	1.7785 1.6845	1.6375	1.6446	Ave		1.6729			0.7000	5.5		20.0			
2-Chlorophenol	1.1543 1.4069	1.4008 1.3599	1.2376 1.2996	1.2758	1.2738	Ave		1.3011			0.8000	6.6		20.0			
1,3-Dichlorobenzene	1.5050 1.6070	1.4760 1.5029	1.4745 1.4946	1.4717	1.5063	Ave		1.5047				2.9		20.0			
1,4-Dichlorobenzene	1.7765 1.6736	1.8034 1.5431	1.5789 1.5460	1.4614	1.5047	Ave		1.6109				7.8		20.0			
Benzyl alcohol	0.9822 1.0665	0.8843 1.0345	0.8411 1.0157	0.9673	0.9701	Ave		0.9702				7.8		20.0			
1,2-Dichlorobenzene	1.6369 1.5932	1.3721 1.4775	1.4745 1.4725	1.4295	1.4625	Ave		1.4898				5.7		20.0			
2-Methylphenol	1.2245 1.4936	1.0444 1.4364	1.2347 1.4056	1.3141	1.3721	Ave		1.3157			0.7000	11.0		20.0			
2,2'-oxybis[1-chloropropane]	1.7775 2.2465	2.0530 2.0618	2.0266 2.0494	2.0850	1.9738	Ave		2.0342			0.0100	6.4		20.0			
N-Nitrosopyrrolidine	0.8786 0.8452	0.7396 0.8110	0.8184 0.8011	0.7900	0.7964	Ave		0.8100				5.0		20.0			
N-Nitrosodi-n-propylamine	1.5895 1.6039	1.4999 1.5408	1.4675 1.5038	1.4864	1.5019	Ave		1.5242			0.5000	3.2		20.0			
3,4-Methylphenol	1.6610 1.5282	1.3837 1.4428	1.5984 1.4339	1.3785	1.3895	Ave		1.4770			0.6000	7.3		20.0			
Acetophenone	2.4158 2.6984	2.1468 2.5328	2.4087 2.4821	2.5149	2.4938	Ave		2.4617			0.0100	6.3		20.0			
N-Nitrosomorpholine	1.2357 1.0507	1.1582 0.9888	1.0785 1.0210	1.0361	1.0024	Ave		1.0714				7.9		20.0			
2-Toluidine	2.3908 2.4595	2.4139 2.3999	2.3411 2.3373	2.2668	2.2294	Ave		2.3548				3.3		20.0			
Hexachloroethane	0.7926 0.7732	0.7636 0.7224	0.7300 0.7115	0.7092	0.6934	Ave		0.7370			0.3000	4.8		20.0			
Nitrobenzene	0.6162 0.6371	0.6330 0.5940	0.6016 0.6153	0.5757	0.6171	Ave		0.6113			0.2000	3.3		20.0			
N-Nitrosopiperidine	0.2091 0.1903	0.1982 0.1900	0.1937 0.1918	0.1751	0.2008	Ave		0.1936				5.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	1.0357 1.0703	0.8934 1.0771	1.0638 1.0775	1.0038	1.0695	Ave		1.0364			0.4000	6.1		20.0			
2-Nitrophenol	0.1635 0.1969	0.1778 0.1864	0.1908 0.1978	0.1718	0.1931	Ave		0.1848			0.1000	6.8		20.0			
2,4-Dimethylphenol	0.3566 0.4677	0.3897 0.4673	0.4135 0.4794	0.4286	0.4721	Ave		0.4344			0.2000	10.3		20.0			
o,o',o''-Triethylphosphorothioate	+++++ 0.2103	0.1802 0.2058	0.1974 0.2030	0.1941	0.2037	Ave		0.1992				5.0		20.0			
Bis(2-chloroethoxy)methane	0.6036 0.6566	0.6160 0.6217	0.5822 0.6167	0.5939	0.6389	Ave		0.6162			0.3000	3.9		20.0			
a,a-Dimethylphenethylamine	0.9879 0.1726	1.1179 0.1127	0.6724 0.1101	0.7085	0.1560	Ave		0.5048				82.7	*	20.0			
2,4-Dichlorophenol	0.3265 0.3346	0.2528 0.3374	0.2945 0.3350	0.3154	0.3320	Ave		0.3160			0.2000	9.3		20.0			
1,2,4-Trichlorobenzene	0.3792 0.4055	0.3676 0.4045	0.3805 0.4136	0.3806	0.4288	Ave		0.3951				5.3		20.0			
Naphthalene	1.0543 1.0641	1.0717 1.0748	1.0265 1.0700	1.0322	1.0986	Ave		1.0615			0.7000	2.2		20.0			
a-Terpineol	0.4123 0.4024	0.3237 0.4150	0.3710 0.4007	0.3796	0.4158	Ave		0.3901				8.1		20.0			
4-Chloroaniline	0.3788 0.4795	0.3923 0.4601	0.4487 0.4701	0.4302	0.4749	Ave		0.4418			0.0100	8.7		20.0			
2,6-Dichlorophenol	0.2927 0.3272	0.2936 0.3218	0.3060 0.3304	0.3109	0.3357	Ave		0.3148				5.3		20.0			
Hexachloropropene	0.2575 0.3217	0.2990 0.3218	0.3156 0.3263	0.3096	0.3308	Ave		0.3103				7.6		20.0			
Hexachlorobutadiene	0.3552 0.3047	0.2745 0.2975	0.3020 0.2981	0.2976	0.3012	Ave		0.3038			0.0100	7.5		20.0			
Quinoline	0.7040 0.6734	0.7523 0.6595	0.7219 0.6851	0.6704	0.6777	Ave		0.6930				4.5		20.0			
Caprolactam	0.0914 0.0911	0.0887 0.0919	0.0861 0.0957	0.0904	0.0905	Ave		0.0907			0.0100	3.0		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4325	+++++ 0.4331	0.4650 0.4442	0.4356	0.4463	Ave		0.4428				2.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-phenylenediamine	+++++ 0.4190	+++++ 0.4109	0.3568 0.4237	0.3515	0.4129	Ave		0.3958				8.2		20.0			
4-Chloro-3-methylphenol	0.4117 0.4011	0.3605 0.3895	0.3737 0.4048	0.3927	0.4019	Ave		0.3920			0.2000	4.4		20.0			
Safrole, Total	0.2887 0.2697	0.2904 0.2638	0.2842 0.2785	0.2604	0.2760	Ave		0.2765				4.0		20.0			
2-Methylnaphthalene	0.7039 0.6717	0.5685 0.6361	0.6294 0.6343	0.6442	0.6696	Ave		0.6447			0.4000	6.2		20.0			
1-Methylnaphthalene	0.7431 0.6781	0.6847 0.6736	0.6463 0.6844	0.6429	0.6988	Ave		0.6815				4.6		20.0			
Hexachlorocyclopentadiene	0.5212 0.6641	0.4874 0.6350	0.5530 0.6332	0.6137	0.6645	Ave		0.5965			0.0500	11.3		20.0			
1,2,4,5-Tetrachlorobenzene	0.7604 0.7828	0.7197 0.7453	0.7440 0.7573	0.7208	0.7903	Ave		0.7526			0.0100	3.4		20.0			
Isosafrole Peak 1	0.3397 0.5258	0.5370 0.4962	0.4313 0.4802	0.4952	0.4927	Ave		0.4748				13.3		20.0			
2,4,6-Trichlorophenol	+++++ 0.4599	0.2647 0.4414	0.4132 0.4486	0.4209	0.4539	Ave		0.4147			0.2000	16.5		20.0			
2,4,5-Trichlorophenol	+++++ 0.5089	0.4340 0.4799	0.4662 0.5105	0.4807	0.5006	Ave		0.4830			0.2000	5.6		20.0			
Isosafrole Peak 2	0.5886 0.5622	0.4507 0.5301	0.4752 0.5303	0.5428	0.5539	Ave		0.5292				8.6		20.0			
1,1'-Biphenyl	1.3571 1.5569	1.4553 1.4209	1.4801 1.4374	1.4543	1.5450	Ave		1.4634			0.0100	4.4		20.0			
2-Chloronaphthalene	1.1623 1.2112	1.0383 1.2026	1.0514 1.1178	1.1143	1.1951	Ave		1.1366			0.8000	5.9		20.0			
1-Chloronaphthalene	1.3137 1.0924	1.0843 0.9663	1.1093 1.0855	1.0973	1.1308	Ave		1.1099				8.6		20.0			
Diphenyl ether	0.7923 0.8824	0.7561 0.8137	0.8224 0.8461	0.8476	0.9176	Ave		0.8348				6.1		20.0			
2-Nitroaniline	0.3484 0.3626	0.2390 0.3533	0.3061 0.3657	0.3412	0.3656	Ave		0.3352			0.0100	13.0		20.0			
1,4-Naphthoquinone	0.5373 0.4621	0.4730 0.4448	0.4968 0.4514	0.4689	0.4658	Ave		0.4750				6.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dinitrobenzene	0.1310 0.1737	0.1716 0.1800	0.1743 0.1776	0.1498	0.1819	Ave		0.1675				10.6		20.0			
Dimethyl phthalate	1.3170 1.4331	1.3318 1.3634	1.3477 1.3694	1.3751	1.4138	Ave		1.3689			0.0100	2.9		20.0			
1,3-Dinitrobenzene	0.1683 0.2114	0.2028 0.2007	0.1834 0.2044	0.1858	0.2135	Ave		0.1963				8.0		20.0			
2,6-Dinitrotoluene	0.2387 0.3211	0.3179 0.3035	0.2845 0.3187	0.2897	0.3227	Ave		0.2996			0.2000	9.6		20.0			
Acenaphthylene	1.7186 1.8427	1.5641 1.7497	1.6777 1.7979	1.7253	1.8512	Ave		1.7409			0.9000	5.4		20.0			
3-Nitroaniline	+++++ 0.3257	+++++ 0.3152	0.2795 0.3192	0.2718	0.2967	Ave		0.3013			0.0100	7.4		20.0			
Acenaphthene	1.2533 1.2409	1.0653 1.2042	1.1781 1.2114	1.2102	1.2497	Ave		1.2016			0.9000	5.1		20.0			
2,4-Dinitrophenol	+++++ 0.2029	0.1544 0.2021	0.1539 0.2139	0.1907	0.1954	Ave		0.1876			0.0100	12.8		20.0			
4-Nitrophenol	0.2002 0.2833	0.2161 0.2721	0.2302 0.2877	0.2552	0.2718	Ave		0.2520			0.0100	13.0		20.0			
Pentachlorobenzene	0.6483 0.6655	0.7356 0.6289	0.6801 0.6326	0.6521	0.6393	Ave		0.6603				5.3		20.0			
2,4-Dinitrotoluene	0.3509 0.4415	0.3385 0.4177	0.3777 0.4362	0.4396	0.4557	Ave		0.4072			0.2000	11.1		20.0			
Dibenzofuran	1.5821 1.7963	1.7378 1.6685	1.6936 1.7209	1.7057	1.7841	Ave		1.7111			0.8000	4.0		20.0			
1-Naphthylamine	1.1143 1.1517	1.2259 1.0513	1.0203 1.1054	1.0531	1.0813	Ave		1.1004				6.0		20.0			
2,3,4,6-Tetrachlorophenol	0.4673 0.4653	0.4084 0.4358	0.4341 0.4557	0.3962	0.4546	Ave		0.4397			0.0100	6.0		20.0			
2-Naphthylamine	0.9109 1.1236	1.0133 1.0792	1.0633 1.1136	1.1064	1.0904	Ave		1.0626				6.6		20.0			
Diethyl phthalate	1.4204 1.4693	1.3231 1.3898	1.4006 1.4307	1.4080	1.4159	Ave		1.4072			0.0100	3.0		20.0			
Thionazin	0.2510 0.2388	0.2666 0.2336	0.2324 0.2347	0.2330	0.2293	Ave		0.2399				5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Fluorene	1.4797 1.3551	1.1854 1.2940	1.3560 1.3203	1.3307	1.3626	Ave		1.3355			0.9000	6.1		20.0			
4-Chlorophenyl phenyl ether	0.7329 0.7092	0.6204 0.6727	0.7021 0.6853	0.7197	0.7015	Ave		0.6930			0.4000	5.0		20.0			
5-Nitro-o-toluidine	0.3778 0.3363	0.4104 0.3133	0.3278 0.3223	0.3198	0.3158	Ave		0.3404				10.3		20.0			
4-Nitroaniline	+++++ 0.3071	0.2548 0.2880	0.2771 0.2948	0.3007	0.3102	Ave		0.2904			0.0100	6.7		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1567	+++++ 0.1547	0.1160 0.1477	0.1335	0.1509	Ave		0.1432			0.0100	10.9		20.0			
N-Nitrosodiphenylamine	0.5131 0.6132	0.5745 0.5699	0.4957 0.5563	0.5383	0.6239	Ave		0.5606			0.0100	8.0		20.0			
1,2-Diphenylhydrazine	1.0048 1.0666	0.9788 1.0405	0.9599 0.9834	0.9815	1.0800	Ave		1.0119				4.4		20.0			
Sulfotepp	0.1942 0.1716	0.1469 0.1714	0.1405 0.1654	0.1557	0.1778	Ave		0.1654				10.5		20.0			
1,3,5-Trinitrobenzene	0.0385 0.0686	0.0575 0.0683	0.0542 0.0687	0.0586	0.0683	Ave		0.0603				17.6		20.0			
cis-Diallate	0.4829 0.3772	0.4735 0.3596	0.3553 0.3375	0.3432	0.3929	Ave		0.3903				14.6		20.0			
Phorate	0.6723 0.6497	0.5672 0.6363	0.5568 0.5928	0.5936	0.6261	Ave		0.6118				6.7		20.0			
Phenacetin	0.3182 0.3997	0.3085 0.3940	0.3378 0.3860	0.3657	0.3807	Ave		0.3613				9.8		20.0			
4-Bromophenyl phenyl ether	0.2836 0.2489	0.2236 0.2465	0.2123 0.2339	0.2360	0.2622	Ave		0.2434			0.1000	9.2		20.0			
trans-Diallate	+++++ 0.3696	0.4659 0.3483	0.4382 0.3473	0.3712	0.3967	Ave		0.3910				11.7		20.0			
Hexachlorobenzene	0.3485 0.3145	0.2643 0.3067	0.3014 0.2870	0.2905	0.3227	Ave		0.3045			0.1000	8.3		20.0			
Dimethoate	0.2886 0.3611	0.2740 0.3495	0.2809 0.3288	0.3118	0.3660	Ave		0.3201				11.5		20.0			
Atrazine	0.1687 0.2168	0.1593 0.2130	0.2049 0.1901	0.2133	0.2127	Ave		0.1973			0.0100	11.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachlorophenol	0.1468 0.2055	0.1442 0.2012	0.1568 0.1872	0.1670	0.1970	Ave		0.1757			0.0500	14.2		20.0			
4-Aminobiphenyl	0.6675 0.7895	0.6857 0.7604	0.6564 0.7147	0.7183	0.7684	Ave		0.7201				6.8		20.0			
Pentachloronitrobenzene	0.1686 0.1412	0.1257 0.1374	0.1297 0.1333	0.1407	0.1392	Ave		0.1395				9.3		20.0			
Pronamide	0.2907 0.3488	0.2840 0.3312	0.3088 0.3190	0.2994	0.3518	Ave		0.3167				8.1		20.0			
Dinoseb	+++++ 0.1950	0.1399 0.1925	0.1540 0.1884	0.1635	0.1926	Ave		0.1751				12.8		20.0			
Disulfoton	+++++ 0.5501	0.7194 0.5231	0.5305 0.4974	0.4956	0.5272	Ave		0.5490				14.1		20.0			
Phenanthrene	1.0021 1.1014	0.9501 1.0462	1.0501 0.9904	0.9816	1.1066	Ave		1.0286			0.7000	5.5		20.0			
Anthracene	0.9124 1.1532	0.9562 1.0885	0.9921 1.0308	1.0031	1.0968	Ave		1.0291			0.7000	7.7		20.0			
Carbazole	0.7449 0.9873	0.7493 0.9614	0.8446 0.9331	0.8701	0.9793	Ave		0.8838			0.0100	11.1		20.0			
Methyl parathion	0.2289 0.2779	0.2093 0.2650	0.2268 0.2644	0.2282	0.2681	Ave		0.2461				10.3		20.0			
Di-n-butyl phthalate	0.9440 1.1926	0.9582 1.1691	0.9963 1.1314	1.0501	1.1637	Ave		1.0757			0.0100	9.4		20.0			
Parathion	0.1624 0.1691	0.1172 0.1681	0.1177 0.1609	0.1506	0.1553	Ave		0.1502				14.1		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.0918	+++++ 0.0960	+++++ 0.0906	0.0656	0.0757	Ave		0.0839				15.2		20.0			
Octachlorostyrene	+++++ 0.1269	0.0702 0.1244	0.1260 0.1205	0.1179	0.1349	Ave		0.1173				18.3		20.0			
Isodrin	0.1666 0.1449	0.1591 0.1352	0.1462 0.1297	0.1377	0.1419	Ave		0.1452				8.5		20.0			
Fluoranthene	1.2134 1.2361	1.1051 1.1839	1.0644 1.1243	1.0953	1.2191	Ave		1.1552			0.6000	5.7		20.0			
Benzidine	+++++ 0.7549	+++++ 0.7210	0.5501 0.6171	0.6332	0.7207	Ave		0.6662				11.8		20.0			

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pyrene	1.0930 1.2207	1.2723 1.2137	1.1629 1.1950	1.1471	1.2779	Ave		1.1978			0.6000	5.2		20.0			
p-Dimethylamino azobenzene	0.1344 0.1756	0.1301 0.1712	0.1359 0.1766	0.1507	0.1760	Ave		0.1563				13.3		20.0			
Famphur	+++++ 0.0030	+++++ 0.0001	+++++ 0.0027	0.0035	0.0042	Ave		0.0027				58.8	*	20.0			
Chlorobenzilate	0.2560 0.3410	0.2651 0.3311	0.2812 0.3362	0.2843	0.3199	Ave		0.3018				11.3		20.0			
3,3'-Dimethylbenzidine	0.4654 0.6094	0.4501 0.5545	0.4658 0.5051	0.4811	0.5815	Ave		0.5141				11.7		20.0			
Butyl benzyl phthalate	0.3951 0.4914	0.3685 0.4727	0.4071 0.4714	0.4005	0.4789	Ave		0.4357			0.0100	10.9		20.0			
2-Acetylaminofluorene	+++++ 0.3617	+++++ 0.3617	+++++ 0.3738	0.2800	0.3466	Ave		0.3448				10.9		20.0			
3,3'-Dichlorobenzidine	0.3433 0.4808	0.3619 0.4754	0.3669 0.4540	0.4065	0.4687	Ave		0.4197			0.0100	13.5		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.2220 0.2090	0.1643 0.2021	0.1688 0.2048	0.1828	0.2124	Ave		0.1958				10.8		20.0			
Benzo[a]anthracene	0.9515 1.1380	0.8626 1.1215	1.0302 1.1028	1.0128	1.1465	Ave		1.0457			0.8000	9.7		20.0			
Chrysene	0.7855 1.0783	0.9456 1.0393	1.0023 1.0070	0.9581	1.0876	Ave		0.9880			0.7000	9.8		20.0			
Bis(2-ethylhexyl) phthalate	0.5164 0.6985	0.5877 0.6862	0.5539 0.6873	0.5484	0.6747	Ave		0.6191			0.0100	12.1		20.0			
6-Methylchrysene	0.5666 0.7272	0.5912 0.6969	0.6361 0.7010	0.6386	0.7091	Ave		0.6583				9.0		20.0			
Di-n-octyl phthalate	+++++ 1.2347	+++++ 1.3032	0.9431 1.2786	1.0152	1.2239	Ave		1.1664			0.0100	12.8		20.0			
7,12-Dimethylbenz(a)anthracene	0.4273 0.4804	0.4702 0.5090	0.4166 0.4818	0.4322	0.4911	Ave		0.4636				7.3		20.0			
Benzo[b]fluoranthene	1.0957 1.2707	1.1325 1.3054	1.1186 1.2286	1.1438	1.3172	Ave		1.2016			0.7000	7.4		20.0			
Benzo[k]fluoranthene	1.2617 1.2561	1.2184 1.2774	1.1626 1.2290	1.1529	1.3367	Ave		1.2369			0.7000	4.9		20.0			

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzo[a]pyrene	1.0872 1.2028	1.0240 1.2224	1.0740 1.1850	1.0733	1.2362	Ave		1.1381			0.7000	7.2		20.0			
3-Methylcholanthrene	0.5234 0.5423	0.6797 0.5581	0.4636 0.5692	0.4674	0.5461	Ave		0.5437				12.4		20.0			
Dibenz[a,h]acridine	0.9119 0.9035	0.8138 0.9366	0.8008 0.9273	0.8240	0.8965	Ave		0.8768				6.2		20.0			
Dibenz[a,j]acridine	0.8674 1.0673	0.8654 1.0854	0.8785 1.0550	0.9653	1.0709	Ave		0.9819				10.1		20.0			
Indeno[1,2,3-cd]pyrene	1.0269 1.2093	1.1194 1.2747	1.0163 1.2510	1.0489	1.1968	Ave		1.1429			0.5000	9.1		20.0			
Dibenz(a,h)anthracene	0.8514 1.1660	0.8884 1.2571	1.0674 1.1754	1.0837	1.2049	Ave		1.0868			0.4000	13.6		20.0			
Benzo[g,h,i]perylene	1.1019 1.2298	1.0837 1.2562	1.1104 1.2112	1.1081	1.2436	Ave		1.1681			0.5000	6.3		20.0			
2-Fluorophenol (Surr)	1.4592 1.6142	1.0544 1.5150	1.3770 1.4851	1.3764	1.4662	Ave		1.4184				11.7		20.0			
Phenol-d5 (Surr)	1.6490 2.3324	1.5612 2.2517	1.9179 2.1768	2.0303	2.1233	Ave		2.0053				13.9		20.0			
Nitrobenzene-d5 (Surr)	0.6218 0.6514	0.6115 0.6365	0.5914 0.6375	0.5924	0.6426	Ave		0.6231				3.7		20.0			
2-Fluorobiphenyl (Surr)	1.3296 1.5193	1.3636 1.4458	1.3604 1.4497	1.5249	1.5337	Ave		1.4409				5.7		20.0			
2,4,6-Tribromophenol (Surr)	0.2507 0.3308	0.3026 0.3183	0.3040 0.3231	0.3023	0.3247	Ave		0.3071				8.2		20.0			
p-Terphenyl-d14 (Surr)	0.7710 0.8816	0.7917 0.8287	0.7984 0.7716	0.7775	0.8764	Ave		0.8121				5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-630243/9	JD1409.D
Level 2	IC 410-630243/8	JD1408.D
Level 3	IC 410-630243/7	JD1407.D
Level 4	IC 410-630243/6	JD1406.D
Level 5	IC 410-630243/5	JD1405.D
Level 6	ICIS 410-630243/2	JD1401a.D
Level 7	IC 410-630243/4	JD1404.D
Level 8	IC 410-630243/3	JD1403.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Lin2	+++++ 309022	+++++ 477100	43786 687791	91353	179400	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	6400 571069	11947 860062	49088 1269392	150022	314287	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	20608 1847913	32469 2756033	163920 4040303	478248	1024078	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 690962	+++++ 1073982	63648 1529108	177802	380966	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	10049 873928	15772 1333504	72002 2029505	234877	513520	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 372645	+++++ 550425	41296 821984	103033	232526	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	7865 539768	9434 840070	49909 1245411	162598	317307	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	4521 341433	6765 501507	28706 764477	92051	202720	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	4434 366923	7095 568223	33351 844324	103228	212230	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	12004 785629	15254 1034292	78247 +++++	227615	476262	0.125 12.5	0.250 20.0	1.25 +++++	3.75	7.50
Phenol	DCBd4	Ave	9058 996264	14917 1593632	84543 2325765	270805	605378	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	14342 1362275	23773 2065540	114447 3041844	349185	796668	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	8953 817948	13860 1265719	77982 1887460	227317	487316	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	6527 636715	12640 1005634	54265 1456185	177106	377452	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	8510	13318	64651	204304	446321	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			727260	1111379	1674761			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	10045 757405	16272 1141144	69229 1732301	202869	445846	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	5554 482662	7979 764975	36880 1138071	134277	287453	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	9256 721018	12381 1092582	64653 1649891	198445	433350	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	6924 675941	9424 1062181	54138 1575037	182417	406572	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	10051 1016646	18525 1524674	88863 2296358	289435	584855	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	4968 382486	6674 599737	35885 897691	109661	235966	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	8988 725854	13534 1139430	64345 1685072	206334	445032	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,4-Methylphenol	DCBd4	Ave	9392 691592	12485 1066920	70087 1606670	191359	411732	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	13660 1221149	19371 1872994	105614 2781186	349120	738940	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	6987 475496	10451 731196	47289 1144010	143833	297026	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	13519 1113027	21781 1774705	102652 2618936	314668	660584	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	4482 349921	6890 534205	32008 797286	98454	205465	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	12649 1078458	20670 1597938	99262 2422566	293728	628139	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	4293 322195	6472 511093	31960 755251	89327	204353	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	21260 1811850	29170 2897429	175516 4242595	512125	1088680	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	3357 333329	5804 501485	31484 778903	87652	196606	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	7321 791772	12726 1256992	68230 1887509	218636	480533	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	+++++ 356056	5885 553648	32565 799395	99041	207305	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	12391 1111485	20112 1672568	96052 2428310	302968	650307	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a,a-Dimethylphenethylamine	NPT	Ave	20280	36501	110939	361438	158760	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			292183	303120	433509			12.5	20.0	30.0		
2,4-Dichlorophenol	NPT	Ave	6703 566434	8256 907720	48583 1319165	160915	337895	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4-Trichlorobenzene	NPT	Ave	7784 686444	12004 1088141	62787 1628696	194174	436483	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	21642 1801318	34993 2891332	169365 4213296	526617	1118282	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	8463 681245	10570 1116462	61215 1577639	193659	423210	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	7775 811785	12810 1237809	74032 1851125	219469	483377	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	6009 553911	9587 865730	50484 1301151	158614	341745	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	5286 544496	9762 865784	52066 1284923	157946	336767	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	7292 515717	8964 800259	49829 1173667	151817	306626	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	14452 1139964	24565 1774063	119101 2697452	342023	689859	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	1877 154158	2897 247209	14206 376690	46128	92076	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 732146	+++++ 1165035	76717 1749203	222211	454275	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 709263	+++++ 1105356	58877 1668413	179331	420295	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	8452 678984	11772 1047904	61650 1594087	200330	409106	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	5926 456636	9482 709573	46889 1096654	132830	280959	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	14449 1137075	18562 1711189	103849 2497545	328631	681578	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	15255 1147957	22357 1812171	106637 2694889	327984	711357	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	6472 662160	10331 1046379	57470 1514618	186821	410271	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	9443 780499	15254 1227982	77329 1811638	219418	487983	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	675 83882	1821 130807	7172 183788	24117	48671	0.0200 2.00	0.0400 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	+++++	5610	42947	128123	280271	+++++	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			458553	727226	1073215			12.5	20.0	30.0		
2,4,5-Trichlorophenol	ANT	Ave	+++++ 507455	9199 790749	48451 1221052	146308	309081	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 2	ANT	Ave	6140 470867	8024 733761	41488 1065594	138781	287282	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	16853 1552380	30844 2341294	153832 3438401	442670	953956	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	14433 1207694	22007 1981488	109269 2673950	339196	737876	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	16313 1089156	22981 1592148	115292 2596577	334023	698172	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	9839 879804	16025 1340788	85474 2023970	257994	566566	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	4326 361551	5066 582179	31818 874906	103852	225702	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	6672 460703	10025 732862	51631 1079786	142724	287576	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	1627 173144	3636 296621	18118 424809	45601	112319	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	16355 1428893	28228 2246531	140065 3275767	418577	872901	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	2090 210755	4299 330773	19064 489005	56544	131809	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	2964 320117	6738 500117	29572 762381	88183	199217	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	21342 1837303	33150 2882970	174365 4300874	525169	1142969	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 324777	+++++ 519299	29044 763500	82745	183186	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	15563 1237296	22579 1984223	122446 2897748	368368	771606	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 404564	32722 666118	63987 1023456	174163	281454	+++++ 25.0	2.50 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	14913 564928	27477 896540	71765 1376467	155350	335577	0.750 25.0	1.50 40.0	3.75 60.0	7.50	15.0
Pentachlorobenzene	ANT	Ave	8051 663541	15592 1036256	70681 1513338	198507	394736	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	4358 440208	7175 688275	39259 1043423	133802	281339	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	19647	36832	176022	519207	1101549	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1790994	2749225	4116522			12.5	20.0	30.0		
1-Naphthylamine	ANT	Ave	13838 1148352	25983 1732163	106045 2644179	320543	667621	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,3,4,6-Tetrachlorophenol	ANT	Ave	5803 463940	8657 718016	45121 1089978	120592	280711	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	11312 1120290	21477 1778204	110514 2663876	336775	673239	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	17638 1464968	28044 2289999	145567 3422482	428589	874190	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	3117 238111	5651 384949	24156 561517	70912	141596	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	18375 1351090	25125 2132204	140935 3158325	405048	841284	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl phenyl ether	ANT	Ave	9101 707128	13150 1108444	72975 1639219	219070	433098	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	4692 335307	8698 516297	34066 770968	97355	194966	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 306160	5400 474566	28801 705275	91534	191538	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 574183	+++++ 929308	71476 1383069	159674	335480	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	10847 954715	20035 1455120	86546 2213892	273747	589688	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	24989 1953564	40157 3125247	197162 4604074	587168	1200864	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	4830 314270	6026 514837	28864 774212	93129	197727	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	958 125568	2359 205220	11123 321854	35041	75951	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	8887 511224	14375 799345	54003 1169394	151923	323269	0.0925 9.25	0.185 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	16720 1190056	23270 1911161	114357 2775252	355106	696228	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	7914 732195	12657 1183542	69383 1807409	218800	423257	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl phenyl ether	PHN	Ave	7052 455920	9174 740277	43615 1095291	141171	291533	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 176005	4970 271976	23401 422766	57739	114699	+++++ 3.25	0.0650 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	8666	10845	61905	173809	358837	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			576114	921277	1343797			12.5	20.0	30.0		
Dimethoate	PHN	Ave	7178 661474	11241 1049653	57700 1539235	186515	407004	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Atrazine	PHN	Ave	4195 397149	6534 639898	42082 889846	127620	236481	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	18258 752783	29585 1208678	64405 1753031	199791	438014	0.625 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	16600 1446144	28134 2283944	134818 3345882	429733	854381	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	4192 258555	5157 412693	26633 624029	84148	154760	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	7229 638909	11652 994858	63433 1493553	179120	391155	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 357261	5740 578327	31640 881837	97806	214180	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 1007606	29515 1571333	108955 2328679	296474	586177	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	24921 2017462	38980 3142559	215692 4636777	587215	1230410	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	22691 2112289	39232 3269364	203771 4825978	600098	1219577	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	18526 1808477	30742 2887623	173477 4368558	520544	1088962	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	5693 509069	8587 795842	46579 1238041	136519	298082	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	23478 2184493	39311 3511601	204642 5297093	628202	1293958	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	4040 309747	4807 504877	24171 753403	90122	172667	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 168060	+++++ 288345	+++++ 424159	39272	84144	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	+++++ 232398	2882 373619	25881 564235	70560	150000	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	4143 265350	6527 406118	30030 607021	82383	157809	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	30176 2264190	45340 3556042	218630 5263887	655232	1355554	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 4246821	+++++ 6623503	334463 8535888	1161672	2405618	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	26945	51310	235669	701506	1421803	0.125	0.250	1.25	3.75	7.50

FORM VI
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SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2289160	3716520	5509538			12.5	20.0	30.0		
p-Dimethylamino azobenzene	PYR10	Ave	3314 329291	5245 524365	27532 814007	92179	195860	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Famphur	PYR10	Ave	+++++ 5560	+++++ 174	+++++ 12264	2124	4642	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Chlorobenzilate	PYR10	Ave	6312 639448	10692 1013952	56985 1549907	173839	355887	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	11473 1142819	18153 1697947	94404 2328894	294238	646996	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butyl benzyl phthalate	PYR10	Ave	9739 921455	14860 1447325	82510 2173193	244955	532814	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 678236	+++++ 1107489	+++++ 1723363	171261	385642	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	8464 901737	14595 1455551	74354 2093210	248578	521488	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	5473 391874	6625 618806	34218 944210	111778	236356	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	23456 2134192	34790 3433977	208780 5084390	619413	1275685	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	19363 2022155	38137 3182249	203120 4642652	585940	1210139	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	12731 1309876	23702 2101137	112249 3168952	335380	750749	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	13968 1363666	23842 2133865	128907 3232131	390537	788948	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	+++++ 2093318	+++++ 3452959	165667 5303186	534333	1203302	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	7769 814448	15366 1348675	73180 1998518	227453	482874	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	19924 2154407	37012 3458844	196493 5095994	601971	1294982	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	22942 2129759	39820 3384623	204215 5097724	606786	1314213	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	19769 2039379	33465 3238746	188653 4914991	564916	1215336	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	9518 919437	22214 1478763	81437 2360812	245992	536945	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	16581 1531900	26596 2481661	140676 3846187	433666	881411	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	15772	28284	154327	508034	1052845	0.125	0.250	1.25	3.75	7.50

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Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1809538	2875836	4376021			12.5	20.0	30.0		
Indeno[1,2,3-cd]pyrene	PRY	Ave	18673 2050310	36583 3377310	178529 5188978	552032	1176641	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	15482 1976924	29035 3330673	187506 4875116	570382	1184656	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	20037 2085121	35417 3328299	195059 5023656	583210	1222693	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	16502 1461021	19029 2240723	120751 3328234	382134	868882	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	18648 2111048	28174 3330173	168185 4878200	563684	1258323	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	25527 2205454	39935 3424331	195167 5020163	604494	1308252	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	33023 3029702	57804 4764526	282773 6935633	928308	1893857	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	6227 659622	12829 1048819	63197 1545978	184052	400998	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	38013 3306512	63855 5075313	323583 7115191	951028	1950184	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 630243

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/14/2025 11:33 Calibration End Date: 04/14/2025 14:11 Calibration ID: 71724

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-630243/9	JD1409.D
Level 2	IC 410-630243/8	JD1408.D
Level 3	IC 410-630243/7	JD1407.D
Level 4	IC 410-630243/6	JD1406.D
Level 5	IC 410-630243/5	JD1405.D
Level 6	ICIS 410-630243/2	JD1401a.D
Level 7	IC 410-630243/4	JD1404.D
Level 8	IC 410-630243/3	JD1403.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-Dioxane	+++++ 5.1	+++++ 1.1	3.6	-10.4	-8.4	9.0	30	30	50	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1401a.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 14-Apr-2025 11:33:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:08:06 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: W6ZA Date: 14-Apr-2025 12:11:33

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.780	1.780	0.000	95	309022	12.5	13.6	
	2 N-Nitrosodimethylamine	74	2.013	2.013	0.000	90	571069	12.5	13.6	
	3 Pyridine	79	2.054	2.054	0.000	97	1847913	25.0	27.9	
	4 Dimethylformamide	73	2.358	2.358	0.000	95	690962	12.5	13.7	
	5 2-Picoline	93	2.667	2.667	0.000	90	873928	12.5	13.7	
	6 N-Nitrosomethylethylamine	88	2.743	2.743	0.000	91	372645	12.5	12.9	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	86	539768	12.5	12.9	
$	9 2-Fluorophenol	112	3.181	3.181	0.000	94	1461021	25.0	28.5	
	11 N-Nitrosodiethylamine	102	3.403	3.403	0.000	97	341433	12.5	13.3	
	12 Ethyl methanesulfonate	109	3.689	3.689	0.000	94	366923	12.5	13.2	
	13 Benzaldehyde	77	4.022	4.022	0.000	90	785629	12.5	12.7	
$	15 Phenol-d5	99	4.074	4.074	0.000	94	2111048	25.0	29.1	
	16 Phenol	94	4.086	4.086	0.000	92	996264	12.5	14.1	
	17 Aniline	93	4.121	4.121	0.000	95	1362275	12.5	14.0	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	93	817948	12.5	13.5	
	19 2-Chlorophenol	128	4.238	4.238	0.000	90	636715	12.5	13.5	
	21 1,3-Dichlorobenzene	146	4.384	4.384	0.000	93	727260	12.5	13.3	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	181020	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	89	757405	12.5	13.0	
	26 Benzyl alcohol	108	4.571	4.571	0.000	86	482662	12.5	13.7	
	27 1,2-Dichlorobenzene	146	4.600	4.600	0.000	92	721018	12.5	13.4	
	29 2-Methylphenol	108	4.676	4.676	0.000	95	675941	12.5	14.2	
	30 2,2'-oxybis[1-chloropropane]	45	4.699	4.699	0.000	92	1016646	12.5	13.8	
	31 N-Nitrosopyrrolidine	100	4.804	4.804	0.000	92	382486	12.5	13.0	
	34 4-Methylphenol	108	4.822	4.822	0.000	63	691592	12.5	12.9	
	32 Acetophenone	105	4.822	4.822	0.000	85	1221149	12.5	13.7	
	33 N-Nitrosodi-n-propylamine	70	4.827	4.827	0.000	80	725854	12.5	13.2	
	35 N-Nitrosomorpholine	56	4.845	4.845	0.000	89	475496	12.5	12.3	
	36 2-Toluidine	106	4.857	4.857	0.000	93	1113027	12.5	13.1	
	37 Hexachloroethane	117	4.927	4.927	0.000	91	349921	12.5	13.1	
$	39 Nitrobenzene-d5	82	4.968	4.968	0.000	87	2205454	25.0	26.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.985	4.985	0.000	84	1078458	12.5	13.0	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	322195	12.5	12.3	
42 Isophorone	82	5.219	5.219	0.000	95	1811850	12.5	12.9	
43 2-Nitrophenol	139	5.295	5.295	0.000	86	333329	12.5	13.3	
44 2,4-Dimethylphenol	107	5.335	5.335	0.000	97	791772	12.5	13.5	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	91	356056	12.5	13.2	
47 Bis(2-chloroethoxy)methane	93	5.429	5.429	0.000	97	1111485	12.5	13.3	
54 alpha,alpha-Dimethyl phenethylam	58	5.511	5.511	0.000	97	292183	12.5	4.27	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	97	566434	12.5	13.2	
50 1,2,4-Trichlorobenzene	180	5.604	5.604	0.000	93	686444	12.5	12.8	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	677126	5.00	5.00	
53 Naphthalene	128	5.680	5.680	0.000	98	1801318	12.5	12.5	
55 Alpha-Terpineol	59	5.692	5.692	0.000	92	681245	12.5	12.9	
56 4-Chloroaniline	127	5.733	5.733	0.000	92	811785	12.5	13.6	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	92	553911	12.5	13.0	
58 Hexachloropropene	213	5.762	5.762	0.000	99	544496	12.5	13.0	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	92	515717	12.5	12.5	
61 Quinoline	129	6.001	6.001	0.000	94	1139964	12.5	12.1	
62 Caprolactam	113	6.060	6.060	0.000	54	154158	12.5	12.5	
63 N-Nitrosodi-n-butylamine	84	6.060	6.060	0.000	85	732146	12.5	12.2	
64 p-Phenylene diamine	108	6.071	6.071	0.000	91	709263	12.5	13.2	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	91	678984	12.5	12.8	
66 Safrole, Total	162	6.264	6.264	0.000	77	456636	12.5	12.2	
67 2-Methylnaphthalene	142	6.346	6.346	0.000	92	1137075	12.5	13.0	
69 1-Methylnaphthalene	142	6.439	6.439	0.000	93	1147957	12.5	12.4	
71 Hexachlorocyclopentadiene	237	6.492	6.492	0.000	93	662160	12.5	13.9	
70 1,2,4,5-Tetrachlorobenzene	216	6.503	6.503	0.000	97	780499	12.5	13.0	
S 24 Dinitrotoluene	165				0		25.0	26.9	
72 Isosafrole Peak 1	162	6.544	6.544	0.000	83	83882	2.00	2.22	
79 2,4,6-Trichlorophenol	196	6.614	6.614	0.000	86	458553	12.5	13.9	
80 2,4,5-Trichlorophenol	196	6.649	6.649	0.000	91	507455	12.5	13.2	
$ 81 2-Fluorobiphenyl (Surr)	172	6.696	6.696	0.000	99	3029702	25.0	26.4	
82 Isosafrole Peak 2	162	6.760	6.760	0.000	84	470867	10.5	11.2	
83 1,1'-Biphenyl	154	6.789	6.789	0.000	97	1552380	12.5	13.3	
84 2-Chloronaphthalene	162	6.807	6.807	0.000	97	1207694	12.5	13.3	
85 1-Chloronaphthalene	162	6.830	6.830	0.000	97	1089156	12.5	12.3	
86 Phenyl ether	170	6.895	6.895	0.000	85	879804	12.5	13.2	
87 2-Nitroaniline	138	6.906	6.906	0.000	74	361551	12.5	13.5	
88 1,4-Naphthoquinone	158	6.982	6.982	0.000	77	460703	12.5	12.2	
89 1,4-Dinitrobenzene	168	7.046	7.046	0.000	83	173144	12.5	13.0	
90 Dimethyl phthalate	163	7.087	7.087	0.000	96	1428893	12.5	13.1	
91 1,3-Dinitrobenzene	168	7.111	7.111	0.000	81	210755	12.5	13.5	
92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	87	320117	12.5	13.4	
93 Acenaphthylene	152	7.204	7.204	0.000	99	1837303	12.5	13.2	
95 3-Nitroaniline	138	7.297	7.297	0.000	85	324777	12.5	13.5	
* 96 Acenaphthene-d10	164	7.338	7.338	0.000	95	398829	5.00	5.00	
97 Acenaphthene	153	7.367	7.367	0.000	98	1237296	12.5	12.9	
98 2,4-Dinitrophenol	184	7.402	7.402	0.000	80	404564	25.0	27.0	
100 4-Nitrophenol	109	7.467	7.467	0.000	82	564928	25.0	28.1	
99 Pentachlorobenzene	250	7.490	7.490	0.000	98	663541	12.5	12.6	
102 2,4-Dinitrotoluene	165	7.525	7.525	0.000	84	440208	12.5	13.6	
101 Dibenzofuran	168	7.531	7.531	0.000	96	1790994	12.5	13.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.607	7.607	0.000	96	1148352	12.5	13.1	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	463940	12.5	13.2	
106 2-Naphthylamine	143	7.683	7.683	0.000	94	1120290	12.5	13.2	
107 Diethyl phthalate	149	7.765	7.765	0.000	96	1464968	12.5	13.1	
109 Thionazin	107	7.840	7.840	0.000	77	238111	12.5	12.4	
108 Fluorene	166	7.858	7.858	0.000	94	1351090	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.864	7.864	0.000	91	707128	12.5	12.8	
111 N-Nitro-o-toluidine	152	7.875	7.875	0.000	85	335307	12.5	12.3	
112 4-Nitroaniline	138	7.881	7.881	0.000	77	306160	12.5	13.2	
113 4,6-Dinitro-2-methylphenol	198	7.910	7.910	0.000	78	574183	25.0	27.4	
114 N-Nitrosodiphenylamine	169	7.975	7.975	0.000	64	954715	10.6	11.6	
115 1,2-Diphenylhydrazine	77	8.016	8.016	0.000	98	1953564	12.5	13.2	
$ 116 2,4,6-Tribromophenol	330	8.086	8.086	0.000	93	659622	25.0	26.9	
117 Sulfotepp	97	8.132	8.132	0.000	78	314270	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.232	8.232	0.000	81	125568	12.5	14.2	
120 cis-Diallate	86	8.255	8.255	0.000	85	511224	9.25	8.94	
119 Phorate	75	8.261	8.261	0.000	94	1190056	12.5	13.3	
121 Phenacetin	108	8.278	8.278	0.000	89	732195	12.5	13.8	
122 4-Bromophenyl phenyl ether	248	8.331	8.331	0.000	66	455920	12.5	12.8	
123 trans-Diallate	86	8.337	8.337	0.000	92	176005	3.25	3.07	
124 Hexachlorobenzene	284	8.378	8.378	0.000	95	576114	12.5	12.9	
125 Dimethoate	87	8.424	8.424	0.000	96	661474	12.5	14.1	
126 Atrazine	200	8.494	8.494	0.000	89	397149	12.5	13.7	
127 Pentachlorophenol	266	8.570	8.570	0.000	93	752783	25.0	29.2	
129 4-Aminobiphenyl	169	8.576	8.576	0.000	90	1446144	12.5	13.7	
128 Pentachloronitrobenzene	237	8.582	8.582	0.000	86	258555	12.5	12.7	
130 Pronamide	173	8.640	8.640	0.000	89	638909	12.5	13.8	
* 131 Phenanthrene-d10	188	8.751	8.751	0.000	97	732664	5.00	5.00	
133 Dinoseb	211	8.751	8.751	0.000	81	357261	12.5	13.9	
134 Disulfoton	88	8.763	8.763	0.000	96	1007606	12.5	12.5	
132 Phenanthrene	178	8.775	8.775	0.000	98	2017462	12.5	13.4	
135 Anthracene	178	8.821	8.821	0.000	98	2112289	12.5	14.0	
136 Carbazole	167	8.979	8.979	0.000	96	1808477	12.5	14.0	
137 Methyl parathion	109	9.119	9.119	0.000	89	509069	12.5	14.1	
138 Di-n-butyl phthalate	149	9.324	9.324	0.000	100	2184493	12.5	13.9	
139 Ethyl Parathion	109	9.493	9.493	0.000	81	309747	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.516	9.516	0.000	86	168060	12.5	13.7	
S 68 Diallate	86				0		12.5	12.0	
142 Octachlorostyrene	308	9.726	9.726	0.000	89	232398	12.5	13.5	
143 Isodrin	193	9.761	9.761	0.000	93	265350	12.5	12.5	
144 Fluoranthene	202	9.907	9.907	0.000	98	2264190	12.5	13.4	
145 Benzidine	184	10.048	10.048	0.000	99	4246821	37.5	42.5	
* 146 Pyrene-d10 (IS)	212	10.106	10.106	0.000	99	750133	5.00	5.00	
147 Pyrene	202	10.123	10.123	0.000	97	2289160	12.5	12.7	
$ 148 p-Terphenyl-d14	244	10.287	10.287	0.000	100	3306512	25.0	27.1	
149 p-Dimethylamino azobenzene	225	10.427	10.427	0.000	91	329291	12.5	14.0	
150 Chlorobenzilate	139	10.480	10.480	0.000	89	639448	12.5	14.1	
151 Famphur	218	10.480	10.480	0.000	49	5560	12.5	13.9	
152 3,3'-Dimethylbenzidine	212	10.783	10.783	0.000	99	1142819	12.5	14.8	
153 Butyl benzyl phthalate	149	10.807	10.807	0.000	95	921455	12.5	14.1	
155 2-Acetylaminofluorene	181	11.058	11.058	0.000	93	678236	12.5	13.1	
S 94 Isosafrole	162				0		12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
157 3,3'-Dichlorobenzidine	252	11.396	11.396	0.000	76	901737	12.5	14.3	
158 4,4'-Methylene bis(2-chloroanil	231	11.402	11.402	0.000	95	391874	12.5	13.3	
156 Benzo[a]anthracene	228	11.408	11.408	0.000	98	2134192	12.5	13.6	
159 Chrysene	228	11.455	11.455	0.000	97	2022155	12.5	13.6	
160 Bis(2-ethylhexyl) phthalate	149	11.496	11.496	0.000	96	1309876	12.5	14.1	
S 103 Aramite, Total	185		11.583				12.5	ND	
161 6-Methylchrysene	242	12.027	12.027	0.000	98	1363666	12.5	13.8	
162 Di-n-octyl phthalate	149	12.366	12.366	0.000	99	2093318	12.5	13.2	
163 7,12-Dimethylbenz(a)anthracene	256	12.827	12.827	0.000	76	814448	12.5	13.0	
164 Benzo[b]fluoranthene	252	12.827	12.827	0.000	96	2154407	12.5	13.2	
165 Benzo[k]fluoranthene	252	12.868	12.868	0.000	98	2129759	12.5	12.7	
166 Benzo[a]pyrene	252	13.294	13.294	0.000	76	2039379	12.5	13.2	
* 167 Perylene-d12	264	13.370	13.370	0.000	99	678187	5.00	5.00	
168 3-Methylcholanthrene	268	13.814	13.814	0.000	90	919437	12.5	12.5	
169 Dibenz[a,h]acridine	279	14.602	14.602	0.000	90	1531900	12.5	12.9	
170 Dibenz[a,j]acridine	279	14.672	14.672	0.000	96	1809538	12.5	13.6	
171 Indeno[1,2,3-cd]pyrene	276	14.906	14.906	0.000	98	2050310	12.5	13.2	
172 Dibenz(a,h)anthracene	278	14.947	14.947	0.000	91	1976924	12.5	13.4	
173 Benzo[g,h,i]perylene	276	15.279	15.279	0.000	98	2085121	12.5	13.2	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_6_00064 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:08:11 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1401a.D

Injection Date: 14-Apr-2025 11:33:30 Instrument ID: HP23264 Operator ID: CJS101602

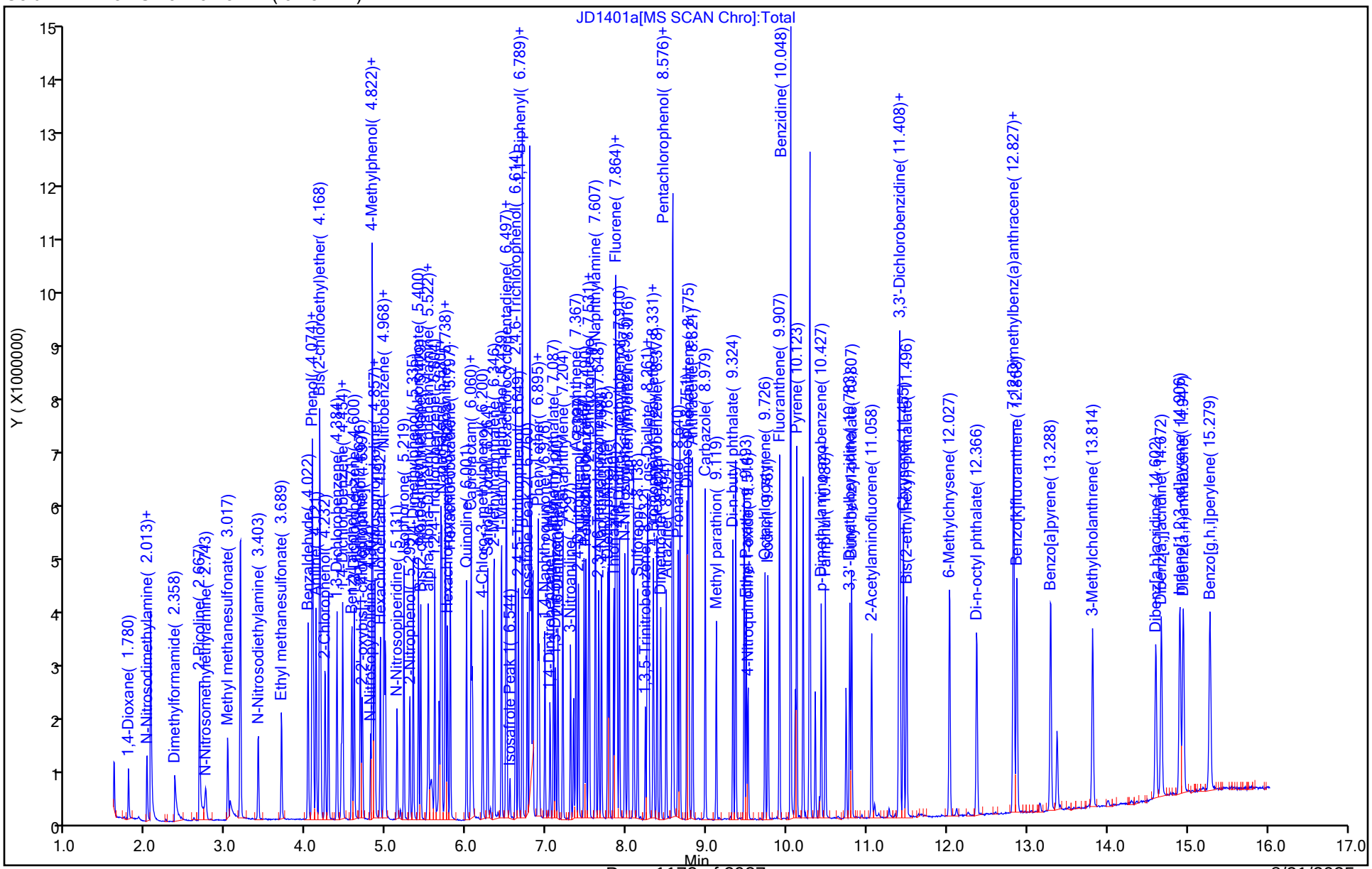
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1403.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Apr-2025 12:03:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0143944-003
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:09:04 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:20:04

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.780	1.780	0.000	94	687791	30.0	30.3	
	2 N-Nitrosodimethylamine	74	2.007	2.013	-0.006	91	1269392	30.0	29.3	
	3 Pyridine	79	2.054	2.054	0.000	97	4040303	60.0	59.1	
	4 Dimethylformamide	73	2.346	2.358	-0.012	93	1529108	30.0	29.4	
	5 2-Picoline	93	2.661	2.667	-0.006	90	2029505	30.0	30.7	
	6 N-Nitrosomethylethylamine	88	2.743	2.743	0.000	94	821984	30.0	27.7	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	86	1245411	30.0	28.8	
$	9 2-Fluorophenol	112	3.181	3.181	0.000	94	3328234	60.0	62.8	
	11 N-Nitrosodiethylamine	102	3.403	3.403	0.000	94	764477	30.0	28.9	
	12 Ethyl methanesulfonate	109	3.695	3.689	0.006	95	844324	30.0	29.5	
	13 Benzaldehyde	77	4.022	4.022	0.000	91	801770	30.0	12.5	
$	15 Phenol-d5	99	4.080	4.074	0.006	94	4878200	60.0	65.1	
	16 Phenol	94	4.092	4.086	0.006	93	2325765	30.0	31.9	
	17 Aniline	93	4.121	4.121	0.000	95	3041844	30.0	30.3	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	93	1887460	30.0	30.2	
	19 2-Chlorophenol	128	4.238	4.238	0.000	90	1456185	30.0	30.0	
	21 1,3-Dichlorobenzene	146	4.384	4.384	0.000	93	1674761	30.0	29.8	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	89	186751	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	1732301	30.0	28.8	
	26 Benzyl alcohol	108	4.571	4.571	0.000	86	1138071	30.0	31.4	
	27 1,2-Dichlorobenzene	146	4.600	4.600	0.000	93	1649891	30.0	29.6	
	29 2-Methylphenol	108	4.676	4.676	0.000	96	1575037	30.0	32.1	
	30 2,2'-oxybis[1-chloropropane]	45	4.699	4.699	0.000	91	2296358	30.0	30.2	
	31 N-Nitrosopyrrolidine	100	4.810	4.804	0.006	93	897691	30.0	29.7	
	34 4-Methylphenol	108	4.828	4.822	0.006	61	1606670	30.0	29.1	
	32 Acetophenone	105	4.828	4.822	0.006	80	2781186	30.0	30.2	
	33 N-Nitrosodi-n-propylamine	70	4.828	4.827	0.001	75	1685072	30.0	29.6	
	35 N-Nitrosomorpholine	56	4.845	4.845	0.000	84	1144010	30.0	28.6	
	36 2-Toluidine	106	4.857	4.857	0.000	93	2618936	30.0	29.8	
	37 Hexachloroethane	117	4.927	4.927	0.000	91	797286	30.0	29.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.974	4.968	0.006	87	5020163	60.0	61.4	
40 Nitrobenzene	77	4.991	4.985	0.006	84	2422566	30.0	30.2	
41 N-Nitrosopiperidine	114	5.137	5.131	0.006	81	755251	30.0	29.7	
42 Isophorone	82	5.219	5.219	0.000	95	4242595	30.0	31.2	
43 2-Nitrophenol	139	5.295	5.295	0.000	87	778903	30.0	32.1	
44 2,4-Dimethylphenol	107	5.336	5.335	0.001	97	1887509	30.0	33.1	
46 o,o',o''-Triethylphosphorothioat	198	5.406	5.400	0.006	90	799395	30.0	30.6	
47 Bis(2-chloroethoxy)methane	93	5.429	5.429	0.000	96	2428310	30.0	30.0	
54 alpha,alpha-Dimethyl phenethylam	58	5.511	5.511	0.000	98	433509	30.0	6.54	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	96	1319165	30.0	31.8	
50 1,2,4-Trichlorobenzene	180	5.604	5.604	0.000	93	1628696	30.0	31.4	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	656255	5.00	5.00	
53 Naphthalene	128	5.680	5.680	0.000	98	4213296	30.0	30.2	
55 Alpha-Terpineol	59	5.692	5.692	0.000	92	1577639	30.0	30.8	
56 4-Chloroaniline	127	5.733	5.733	0.000	89	1851125	30.0	31.9	
57 2,6-Dichlorophenol	162	5.744	5.738	0.006	92	1301151	30.0	31.5	
58 Hexachloropropene	213	5.762	5.762	0.000	98	1284923	30.0	31.6	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	1173667	30.0	29.4	
61 Quinoline	129	6.001	6.001	0.000	93	2697452	30.0	29.7	
62 Caprolactam	113	6.071	6.060	0.011	74	376690	30.0	31.6	
63 N-Nitrosodi-n-butylamine	84	6.060	6.060	0.000	88	1749203	30.0	30.1	
64 p-Phenylene diamine	108	6.077	6.071	0.006	91	1668413	30.0	32.1	
65 4-Chloro-3-methylphenol	107	6.206	6.200	0.006	91	1594087	30.0	31.0	
66 Safrole, Total	162	6.264	6.264	0.000	88	1096654	30.0	30.2	
67 2-Methylnaphthalene	142	6.346	6.346	0.000	91	2497545	30.0	29.5	
69 1-Methylnaphthalene	142	6.439	6.439	0.000	93	2694889	30.0	30.1	
71 Hexachlorocyclopentadiene	237	6.492	6.492	0.000	94	1514618	30.0	31.8	
70 1,2,4,5-Tetrachlorobenzene	216	6.503	6.503	0.000	97	1811638	30.0	30.2	
S 24 Dinitrotoluene	165				0		60.0	64.0	
72 Isosafrole Peak 1	162	6.544	6.544	0.000	81	183788	4.80	4.86	
79 2,4,6-Trichlorophenol	196	6.614	6.614	0.000	86	1073215	30.0	32.5	
80 2,4,5-Trichlorophenol	196	6.649	6.649	0.000	92	1221052	30.0	31.7	
$ 81 2-Fluorobiphenyl (Surr)	172	6.696	6.696	0.000	99	6935633	60.0	60.4	e
82 Isosafrole Peak 2	162	6.760	6.760	0.000	85	1065594	25.2	25.3	
83 1,1'-Biphenyl	154	6.789	6.789	0.000	96	3438401	30.0	29.5	
84 2-Chloronaphthalene	162	6.807	6.807	0.000	96	2673950	30.0	29.5	
85 1-Chloronaphthalene	162	6.830	6.830	0.000	97	2596577	30.0	29.3	
86 Phenyl ether	170	6.895	6.895	0.001	85	2023970	30.0	30.4	
87 2-Nitroaniline	138	6.912	6.906	0.006	74	874906	30.0	32.7	
88 1,4-Naphthoquinone	158	6.982	6.982	0.000	76	1079786	30.0	28.5	
89 1,4-Dinitrobenzene	168	7.046	7.046	0.000	83	424809	30.0	31.8	
90 Dimethyl phthalate	163	7.087	7.087	0.000	96	3275767	30.0	30.0	
91 1,3-Dinitrobenzene	168	7.111	7.111	0.000	81	489005	30.0	31.2	
92 2,6-Dinitrotoluene	165	7.146	7.140	0.006	88	762381	30.0	31.9	
93 Acenaphthylene	152	7.204	7.204	0.000	99	4300874	30.0	31.0	
95 3-Nitroaniline	138	7.303	7.297	0.006	86	763500	30.0	31.8	
* 96 Acenaphthene-d10	164	7.338	7.338	0.000	94	398684	5.00	5.00	
97 Acenaphthene	153	7.368	7.367	0.001	97	2897748	30.0	30.2	
98 2,4-Dinitrophenol	184	7.403	7.402	0.001	81	1023456	60.0	68.4	
100 4-Nitrophenol	109	7.473	7.467	0.006	93	1376467	60.0	68.5	
99 Pentachlorobenzene	250	7.490	7.490	0.000	98	1513338	30.0	28.7	
102 2,4-Dinitrotoluene	165	7.525	7.525	0.000	86	1043423	30.0	32.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	98	4116522	30.0	30.2	
104 1-Naphthylamine	143	7.613	7.607	0.006	97	2644179	30.0	30.1	
105 2,3,4,6-Tetrachlorophenol	232	7.654	7.648	0.006	71	1089978	30.0	31.1	
106 2-Naphthylamine	143	7.689	7.683	0.006	94	2663876	30.0	31.4	
107 Diethyl phthalate	149	7.765	7.765	0.000	96	3422482	30.0	30.5	
109 Thionazin	107	7.841	7.840	0.000	74	561517	30.0	29.3	
108 Fluorene	166	7.858	7.858	0.000	91	3158325	30.0	29.7	
110 4-Chlorophenyl phenyl ether	204	7.864	7.864	0.000	92	1639219	30.0	29.7	
111 N-Nitro-o-toluidine	152	7.876	7.875	0.001	85	770968	30.0	28.4	
112 4-Nitroaniline	138	7.887	7.881	0.006	75	705275	30.0	30.5	
113 4,6-Dinitro-2-methylphenol	198	7.911	7.910	0.001	78	1383069	60.0	61.9	
114 N-Nitrosodiphenylamine	169	7.981	7.975	0.006	64	2213892	25.5	25.3	
115 1,2-Diphenylhydrazine	77	8.016	8.016	0.000	97	4604074	30.0	29.2	
$ 116 2,4,6-Tribromophenol	330	8.092	8.086	0.006	94	1545978	60.0	63.1	
117 Sulfotepp	97	8.132	8.132	0.000	79	774212	30.0	30.0	
118 1,3,5-Trinitrobenzene	213	8.238	8.232	0.006	80	321854	30.0	34.2	
120 cis-Diallate	86	8.255	8.255	0.000	87	1169394	22.2	19.2	
119 Phorate	75	8.261	8.261	0.000	94	2775252	30.0	29.1	
121 Phenacetin	108	8.278	8.278	0.000	90	1807409	30.0	32.1	
122 4-Bromophenyl phenyl ether	248	8.331	8.331	0.000	65	1095291	30.0	28.8	
123 trans-Diallate	86	8.337	8.337	0.000	92	422766	7.80	6.93	
124 Hexachlorobenzene	284	8.378	8.378	0.000	96	1343797	30.0	28.3	
125 Dimethoate	87	8.424	8.424	0.000	95	1539235	30.0	30.8	
126 Atrazine	200	8.494	8.494	0.000	89	889846	30.0	28.9	
127 Pentachlorophenol	266	8.570	8.570	0.000	93	1753031	60.0	63.9	
129 4-Aminobiphenyl	169	8.576	8.576	0.000	90	3345882	30.0	29.8	
128 Pentachloronitrobenzene	237	8.582	8.582	0.000	86	624029	30.0	28.7	
130 Pronamide	173	8.640	8.640	0.000	90	1493553	30.0	30.2	
* 131 Phenanthrene-d10	188	8.751	8.751	0.000	87	780302	5.00	5.00	
133 Dinoseb	211	8.751	8.751	0.000	94	881837	30.0	32.3	
134 Disulfoton	88	8.763	8.763	0.000	97	2328679	30.0	27.2	
132 Phenanthrene	178	8.775	8.775	0.000	97	4636777	30.0	28.9	
135 Anthracene	178	8.821	8.821	0.000	98	4825978	30.0	30.0	
136 Carbazole	167	8.979	8.979	0.000	96	4368558	30.0	31.7	
137 Methyl parathion	109	9.119	9.119	0.000	90	1238041	30.0	32.2	
138 Di-n-butyl phthalate	149	9.324	9.324	0.000	100	5297093	30.0	31.6	
139 Ethyl Parathion	109	9.493	9.493	0.000	82	753403	30.0	32.1	
140 4-Nitroquinoline-1-oxide	190	9.516	9.516	0.000	90	424159	30.0	32.4	
S 68 Diallate	86				0		30.0	26.1	
142 Octachlorostyrene	308	9.727	9.726	0.001	89	564235	30.0	30.8	
143 Isodrin	193	9.762	9.761	0.001	93	607021	30.0	26.8	
144 Fluoranthene	202	9.908	9.907	0.001	97	5263887	30.0	29.2	
145 Benzidine	184	10.048	10.048	0.000	98	8535888	90.0	83.4	e
* 146 Pyrene-d10 (IS)	212	10.106	10.106	0.000	98	768419	5.00	5.00	
147 Pyrene	202	10.124	10.123	0.001	98	5509538	30.0	29.9	
$ 148 p-Terphenyl-d14	244	10.287	10.287	0.000	100	7115191	60.0	57.0	e
149 p-Dimethylamino azobenzene	225	10.427	10.427	0.000	92	814007	30.0	33.9	
150 Chlorobenzilate	139	10.480	10.480	0.000	89	1549907	30.0	33.4	
151 Famphur	218	10.480	10.480	0.000	51	12264	30.0	29.9	
152 3,3'-Dimethylbenzidine	212	10.783	10.783	0.000	99	2328894	30.0	29.5	
153 Butyl benzyl phthalate	149	10.807	10.807	0.000	95	2173193	30.0	32.5	
155 2-Acetylaminofluorene	181	11.058	11.058	0.000	92	1723363	30.0	32.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		30.0	30.1	
157 3,3'-Dichlorobenzidine	252	11.396	11.396	0.000	78	2093210	30.0	32.5	
158 4,4'-Methylene bis(2-chloroanil	231	11.408	11.402	0.006	91	944210	30.0	31.4	
156 Benzo[a]anthracene	228	11.408	11.408	0.000	98	5084390	30.0	31.6	
159 Chrysene	228	11.455	11.455	0.000	97	4642652	30.0	30.6	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	3168952	30.0	33.3	
S 103 Aramite, Total	185		11.583				30.0	ND	
161 6-Methylchrysene	242	12.027	12.027	0.000	99	3232131	30.0	31.9	
162 Di-n-octyl phthalate	149	12.366	12.366	0.000	99	5303186	30.0	32.9	
163 7,12-Dimethylbenz(a)anthracene	256	12.833	12.827	0.006	72	1998518	30.0	31.2	
164 Benzo[b]fluoranthene	252	12.833	12.827	0.006	96	5095994	30.0	30.7	
165 Benzo[k]fluoranthene	252	12.874	12.868	0.006	98	5097724	30.0	29.8	
166 Benzo[a]pyrene	252	13.294	13.294	0.000	76	4914991	30.0	31.2	
* 167 Perylene-d12	264	13.370	13.370	0.000	99	691298	5.00	5.00	
168 3-Methylcholanthrene	268	13.814	13.814	0.000	90	2360812	30.0	31.4	
169 Dibenz[a,h]acridine	279	14.608	14.602	0.006	90	3846187	30.0	31.7	
170 Dibenz[a,j]acridine	279	14.678	14.672	0.006	96	4376021	30.0	32.2	
171 Indeno[1,2,3-cd]pyrene	276	14.912	14.906	0.006	98	5188978	30.0	32.8	
172 Dibenz(a,h)anthracene	278	14.952	14.947	0.005	92	4875116	30.0	32.4	
173 Benzo[g,h,i]perylene	276	15.285	15.279	0.006	98	5023656	30.0	31.1	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

MSS_RV8270_8_00042 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:09:09 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1403.D

Injection Date: 14-Apr-2025 12:03:30 Instrument ID: HP23264 Operator ID: CJS101602

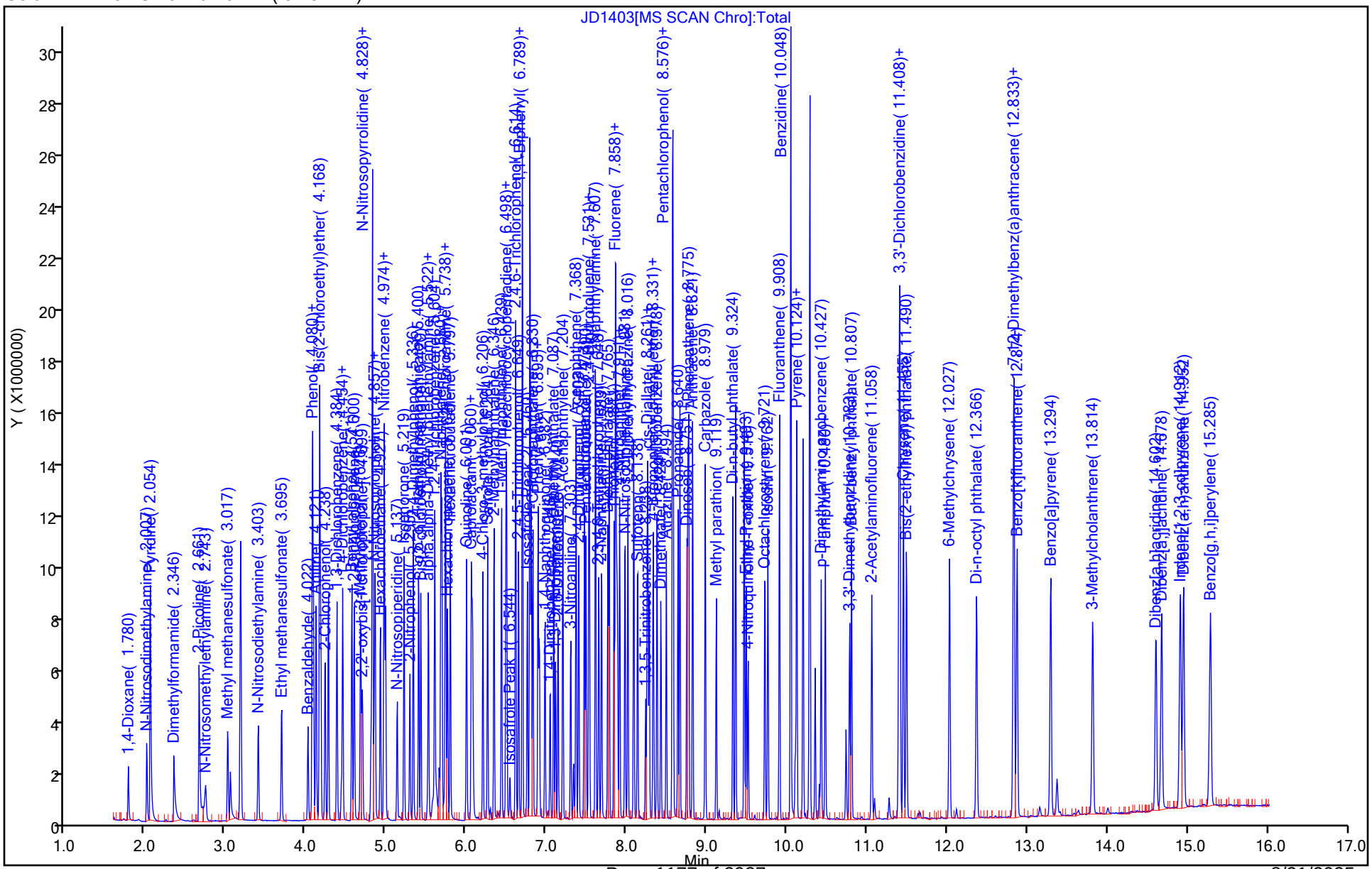
Lims ID: IC L8 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1404.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Apr-2025 12:24:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0143944-004
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:10:01 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:21:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.779	1.780	-0.001	93	477100	20.0	21.0	
	2 N-Nitrosodimethylamine	74	2.007	2.013	-0.006	91	860062	20.0	20.1	
	3 Pyridine	79	2.054	2.054	0.000	97	2756033	40.0	40.7	
	4 Dimethylformamide	73	2.352	2.358	-0.006	92	1073982	20.0	20.8	
	5 2-Picoline	93	2.661	2.667	-0.006	90	1333504	20.0	20.4	
	6 N-Nitrosomethylethylamine	88	2.743	2.743	0.000	93	550425	20.0	18.7	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	86	840070	20.0	19.6	
$	9 2-Fluorophenol	112	3.175	3.181	-0.006	94	2240723	40.0	42.7	
	11 N-Nitrosodiethylamine	102	3.397	3.403	-0.006	95	501507	20.0	19.2	
	12 Ethyl methanesulfonate	109	3.689	3.689	0.000	94	568223	20.0	20.1	
	13 Benzaldehyde	77	4.016	4.022	-0.006	92	1034292	20.0	16.3	
$	15 Phenol-d5	99	4.074	4.074	0.000	94	3330173	40.0	44.9	
	16 Phenol	94	4.086	4.086	0.000	93	1593632	20.0	22.1	
	17 Aniline	93	4.121	4.121	0.000	95	2065540	20.0	20.8	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	93	1265719	20.0	20.5	
	19 2-Chlorophenol	128	4.232	4.238	-0.006	90	1005634	20.0	20.9	
	21 1,3-Dichlorobenzene	146	4.378	4.384	-0.006	93	1111379	20.0	20.0	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	97	184873	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	1141144	20.0	19.2	
	26 Benzyl alcohol	108	4.565	4.571	-0.006	86	764975	20.0	21.3	
	27 1,2-Dichlorobenzene	146	4.594	4.600	-0.006	92	1092582	20.0	19.8	
	29 2-Methylphenol	108	4.676	4.676	0.000	96	1062181	20.0	21.8	
	30 2,2'-oxybis[1-chloropropane]	45	4.693	4.699	-0.006	91	1524674	20.0	20.3	
	31 N-Nitrosopyrrolidine	100	4.804	4.804	0.000	92	599737	20.0	20.0	
	34 4-Methylphenol	108	4.822	4.822	0.000	63	1066920	20.0	19.5	
	32 Acetophenone	105	4.822	4.822	0.000	79	1872994	20.0	20.6	
	33 N-Nitrosodi-n-propylamine	70	4.822	4.827	-0.005	78	1139430	20.0	20.2	
	35 N-Nitrosomorpholine	56	4.845	4.845	0.000	88	731196	20.0	18.5	
	36 2-Toluidine	106	4.857	4.857	0.000	93	1774705	20.0	20.4	
	37 Hexachloroethane	117	4.921	4.927	-0.006	92	534205	20.0	19.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.968	4.968	0.000	87	3424331	40.0	40.9	
40 Nitrobenzene	77	4.985	4.985	0.000	84	1597938	20.0	19.4	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	80	511093	20.0	19.6	
42 Isophorone	82	5.219	5.219	0.000	96	2897429	20.0	20.8	
43 2-Nitrophenol	139	5.289	5.295	-0.006	85	501485	20.0	20.2	
44 2,4-Dimethylphenol	107	5.335	5.335	0.000	97	1256992	20.0	21.5	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	88	553648	20.0	20.7	
47 Bis(2-chloroethoxy)methane	93	5.429	5.429	0.000	97	1672568	20.0	20.2	
54 alpha,alpha-Dimethyl phenethylam	58	5.505	5.511	-0.006	97	303120	20.0	4.46	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	96	907720	20.0	21.4	
50 1,2,4-Trichlorobenzene	180	5.604	5.604	0.000	93	1088141	20.0	20.5	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	672526	5.00	5.00	
53 Naphthalene	128	5.674	5.680	-0.006	98	2891332	20.0	20.2	
55 Alpha-Terpineol	59	5.686	5.692	-0.006	92	1116462	20.0	21.3	
56 4-Chloroaniline	127	5.732	5.733	-0.001	92	1237809	20.0	20.8	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	91	865730	20.0	20.4	
58 Hexachloropropene	213	5.762	5.762	0.000	98	865784	20.0	20.7	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	800259	20.0	19.6	
61 Quinoline	129	5.995	6.001	-0.006	93	1774063	20.0	19.0	
62 Caprolactam	113	6.059	6.060	-0.001	71	247209	20.0	20.3	
63 N-Nitrosodi-n-butylamine	84	6.059	6.060	-0.001	86	1165035	20.0	19.6	
64 p-Phenylene diamine	108	6.071	6.071	0.000	92	1105356	20.0	20.8	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	1047904	20.0	19.9	
66 Safrole, Total	162	6.258	6.264	-0.006	79	709573	20.0	19.1	
67 2-Methylnaphthalene	142	6.340	6.346	-0.006	91	1711189	20.0	19.7	
69 1-Methylnaphthalene	142	6.433	6.439	-0.006	92	1812171	20.0	19.8	
71 Hexachlorocyclopentadiene	237	6.492	6.492	0.000	92	1046379	20.0	21.3	
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.503	-0.006	96	1227982	20.0	19.8	
S 24 Dinitrotoluene	165				0		40.0	40.8	
72 Isosafrole Peak 1	162	6.538	6.544	-0.006	83	130807	3.20	3.34	
79 2,4,6-Trichlorophenol	196	6.614	6.614	0.000	85	727226	20.0	21.3	
80 2,4,5-Trichlorophenol	196	6.649	6.649	0.000	92	790749	20.0	19.9	
$ 81 2-Fluorobiphenyl (Surr)	172	6.696	6.696	0.000	100	4764526	40.0	40.1	
82 Isosafrole Peak 2	162	6.754	6.760	-0.006	85	733761	16.8	16.8	
83 1,1'-Biphenyl	154	6.789	6.789	0.000	94	2341294	20.0	19.4	
84 2-Chloronaphthalene	162	6.807	6.807	0.000	95	1981488	20.0	21.2	M
85 1-Chloronaphthalene	162	6.824	6.830	-0.006	98	1592148	20.0	17.4	Ma
86 Phenyl ether	170	6.889	6.895	-0.005	84	1340788	20.0	19.5	
87 2-Nitroaniline	138	6.906	6.906	0.000	73	582179	20.0	21.1	
88 1,4-Naphthoquinone	158	6.976	6.982	-0.006	79	732862	20.0	18.7	
89 1,4-Dinitrobenzene	168	7.040	7.046	-0.006	82	296621	20.0	21.5	
90 Dimethyl phthalate	163	7.087	7.087	0.000	96	2246531	20.0	19.9	
91 1,3-Dinitrobenzene	168	7.110	7.111	-0.001	83	330773	20.0	20.5	
92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	86	500117	20.0	20.3	
93 Acenaphthylene	152	7.198	7.204	-0.006	99	2882970	20.0	20.1	
95 3-Nitroaniline	138	7.297	7.297	0.000	87	519299	20.0	20.9	
* 96 Acenaphthene-d10	164	7.332	7.338	-0.006	94	411928	5.00	5.00	
97 Acenaphthene	153	7.362	7.367	-0.005	97	1984223	20.0	20.0	
98 2,4-Dinitrophenol	184	7.397	7.402	-0.005	80	666118	40.0	43.1	
100 4-Nitrophenol	109	7.467	7.467	0.000	81	896540	40.0	43.2	
99 Pentachlorobenzene	250	7.490	7.490	0.000	97	1036256	20.0	19.0	
102 2,4-Dinitrotoluene	165	7.525	7.525	0.000	84	688275	20.0	20.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	96	2749225	20.0	19.5	
104 1-Naphthylamine	143	7.607	7.607	0.000	96	1732163	20.0	19.1	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	718016	20.0	19.8	
106 2-Naphthylamine	143	7.683	7.683	0.000	94	1778204	20.0	20.3	
107 Diethyl phthalate	149	7.759	7.765	-0.006	96	2289999	20.0	19.8	
109 Thionazin	107	7.835	7.840	-0.005	75	384949	20.0	19.5	
108 Fluorene	166	7.858	7.858	0.000	91	2132204	20.0	19.4	
110 4-Chlorophenyl phenyl ether	204	7.864	7.864	0.000	91	1108444	20.0	19.4	
111 N-Nitro-o-toluidine	152	7.870	7.875	-0.005	86	516297	20.0	18.4	
112 4-Nitroaniline	138	7.881	7.881	0.000	75	474566	20.0	19.8	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.910	-0.005	79	929308	40.0	43.2	
114 N-Nitrosodiphenylamine	169	7.975	7.975	0.000	65	1455120	17.0	17.3	
115 1,2-Diphenylhydrazine	77	8.010	8.016	-0.006	97	3125247	20.0	20.6	
$ 116 2,4,6-Tribromophenol	330	8.086	8.086	0.000	93	1048819	40.0	41.5	
117 Sulfotepp	97	8.132	8.132	0.000	78	514837	20.0	20.7	
118 1,3,5-Trinitrobenzene	213	8.232	8.232	0.000	80	205220	20.0	22.6	
120 cis-Diallate	86	8.249	8.255	-0.006	86	799345	14.8	13.6	
119 Phorate	75	8.261	8.261	0.000	94	1911161	20.0	20.8	
121 Phenacetin	108	8.272	8.278	-0.006	89	1183542	20.0	21.8	
122 4-Bromophenyl phenyl ether	248	8.325	8.331	-0.006	65	740277	20.0	20.3	
123 trans-Diallate	86	8.337	8.337	0.000	91	271976	5.20	4.63	
124 Hexachlorobenzene	284	8.378	8.378	0.000	96	921277	20.0	20.1	
125 Dimethoate	87	8.418	8.424	-0.006	96	1049653	20.0	21.8	
126 Atrazine	200	8.488	8.494	-0.006	90	639898	20.0	21.6	
127 Pentachlorophenol	266	8.570	8.570	0.000	93	1208678	40.0	45.8	
129 4-Aminobiphenyl	169	8.576	8.576	0.000	91	2283944	20.0	21.1	
128 Pentachloronitrobenzene	237	8.576	8.582	-0.006	78	412693	20.0	19.7	
130 Pronamide	173	8.634	8.640	-0.006	89	994858	20.0	20.9	
* 131 Phenanthrene-d10	188	8.745	8.751	-0.006	95	750917	5.00	5.00	
133 Dinoseb	211	8.745	8.751	-0.006	91	578327	20.0	22.0	
134 Disulfoton	88	8.757	8.763	-0.006	95	1571333	20.0	19.1	
132 Phenanthrene	178	8.769	8.775	-0.006	97	3142559	20.0	20.3	
135 Anthracene	178	8.821	8.821	0.000	98	3269364	20.0	21.2	
136 Carbazole	167	8.979	8.979	0.000	96	2887623	20.0	21.8	
137 Methyl parathion	109	9.113	9.119	-0.006	90	795842	20.0	21.5	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	3511601	20.0	21.7	
139 Ethyl Parathion	109	9.487	9.493	-0.006	82	504877	20.0	22.4	
140 4-Nitroquinoline-1-oxide	190	9.510	9.516	-0.006	88	288345	20.0	22.9	
S 68 Diallate	86				0		20.0	18.3	
142 Octachlorostyrene	308	9.721	9.726	-0.005	90	373619	20.0	21.2	
143 Isodrin	193	9.761	9.761	0.000	93	406118	20.0	18.6	
144 Fluoranthene	202	9.902	9.907	-0.005	98	3556042	20.0	20.5	
145 Benzidine	184	10.042	10.048	-0.006	99	6623503	60.0	64.9	
* 146 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	98	765515	5.00	5.00	
147 Pyrene	202	10.118	10.123	-0.005	97	3716520	20.0	20.3	
$ 148 p-Terphenyl-d14	244	10.281	10.287	-0.006	99	5075313	40.0	40.8	
149 p-Dimethylamino azobenzene	225	10.427	10.427	0.000	93	524365	20.0	21.9	
150 Chlorobenzilate	139	10.474	10.480	-0.006	89	1013952	20.0	21.9	
151 Famphur	218	10.421	10.480	-0.059	52	174	20.0	0.4264	
152 3,3'-Dimethylbenzidine	212	10.777	10.783	-0.006	99	1697947	20.0	21.6	
153 Butyl benzyl phthalate	149	10.801	10.807	-0.006	94	1447325	20.0	21.7	
155 2-Acetylaminofluorene	181	11.052	11.058	-0.006	91	1107489	20.0	21.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		20.0	20.2	
157 3,3'-Dichlorobenzidine	252	11.390	11.396	-0.006	77	1455551	20.0	22.7	
158 4,4'-Methylene bis(2-chloroanil	231	11.402	11.402	0.000	94	618806	20.0	20.6	
156 Benzo[a]anthracene	228	11.402	11.408	-0.006	98	3433977	20.0	21.4	
159 Chrysene	228	11.449	11.455	-0.006	97	3182249	20.0	21.0	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	2101137	20.0	22.2	
S 103 Aramite, Total	185		11.583				20.0	ND	
161 6-Methylchrysene	242	12.027	12.027	0.000	99	2133865	20.0	21.2	
162 Di-n-octyl phthalate	149	12.360	12.366	-0.006	99	3452959	20.0	22.3	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.827	-0.006	75	1348675	20.0	22.0	
164 Benzo[b]fluoranthene	252	12.821	12.827	-0.006	96	3458844	20.0	21.7	
165 Benzo[k]fluoranthene	252	12.862	12.868	-0.006	98	3384623	20.0	20.7	
166 Benzo[a]pyrene	252	13.282	13.294	-0.012	76	3238746	20.0	21.5	
* 167 Perylene-d12	264	13.364	13.370	-0.006	100	662390	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.814	-0.006	89	1478763	20.0	20.5	
169 Dibenz[a,h]acridine	279	14.596	14.602	-0.006	90	2481661	20.0	21.4	
170 Dibenz[a,j]acridine	279	14.672	14.672	0.000	96	2875836	20.0	22.1	
171 Indeno[1,2,3-cd]pyrene	276	14.900	14.906	-0.006	99	3377310	20.0	22.3	
172 Dibenz(a,h)anthracene	278	14.941	14.947	-0.006	90	3330673	20.0	23.1	
173 Benzo[g,h,i]perylene	276	15.279	15.279	0.000	98	3328299	20.0	21.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_7_00043 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:10:06 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1404.D

Injection Date: 14-Apr-2025 12:24:30 Instrument ID: HP23264 Operator ID: CJS101602

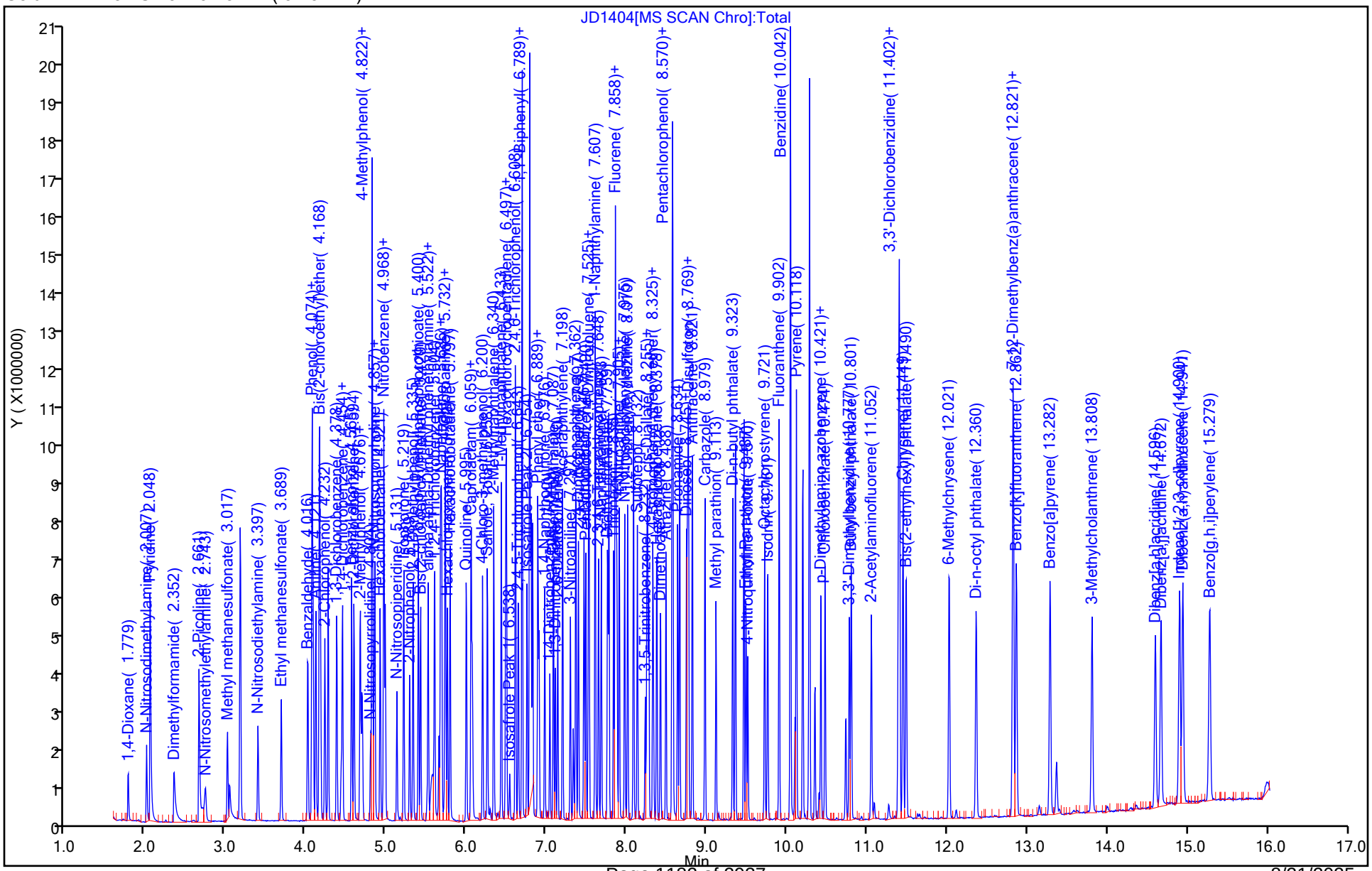
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

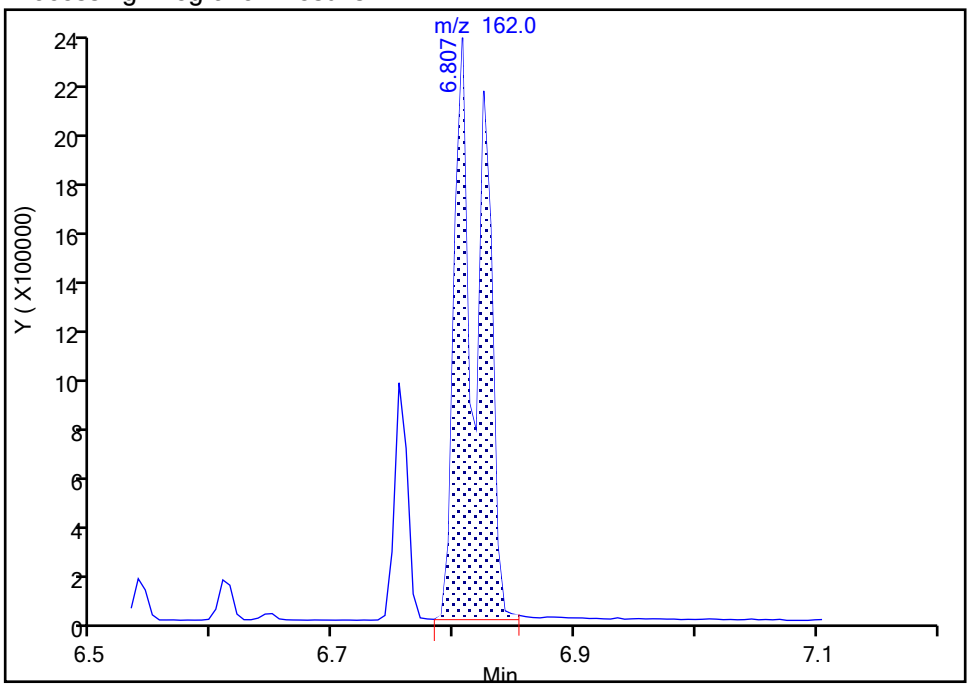
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Injection Date:	14-Apr-2025 12:24:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

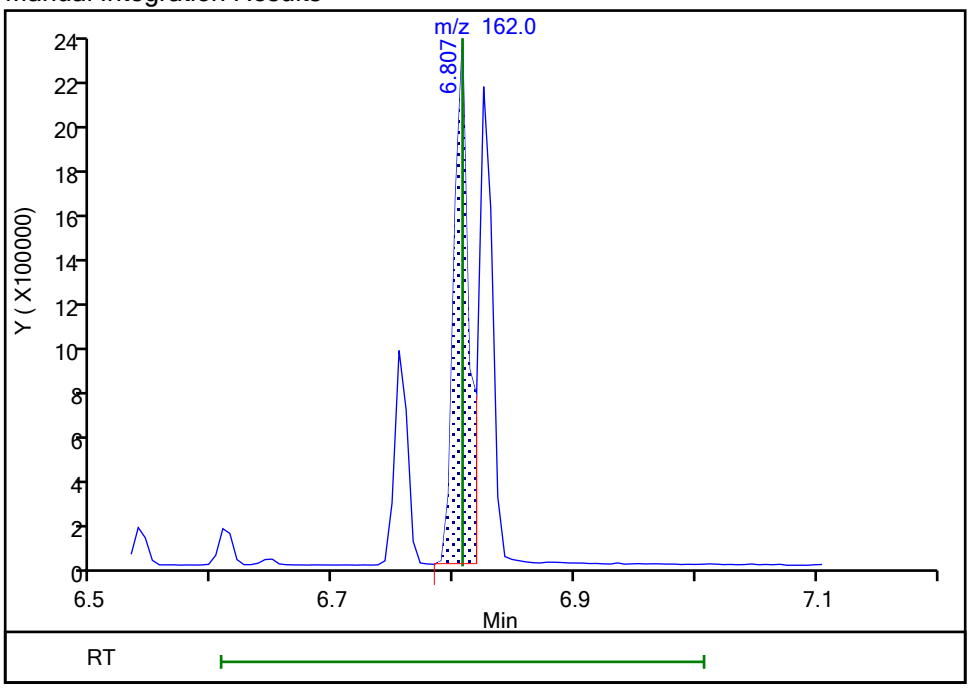
Processing Integration Results

RT: 6.81
Area: 3573638
Amount: 34.497159
Amount Units: ug/ml



Manual Integration Results

RT: 6.81
Area: 1981488
Amount: 21.160406
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:21:05 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

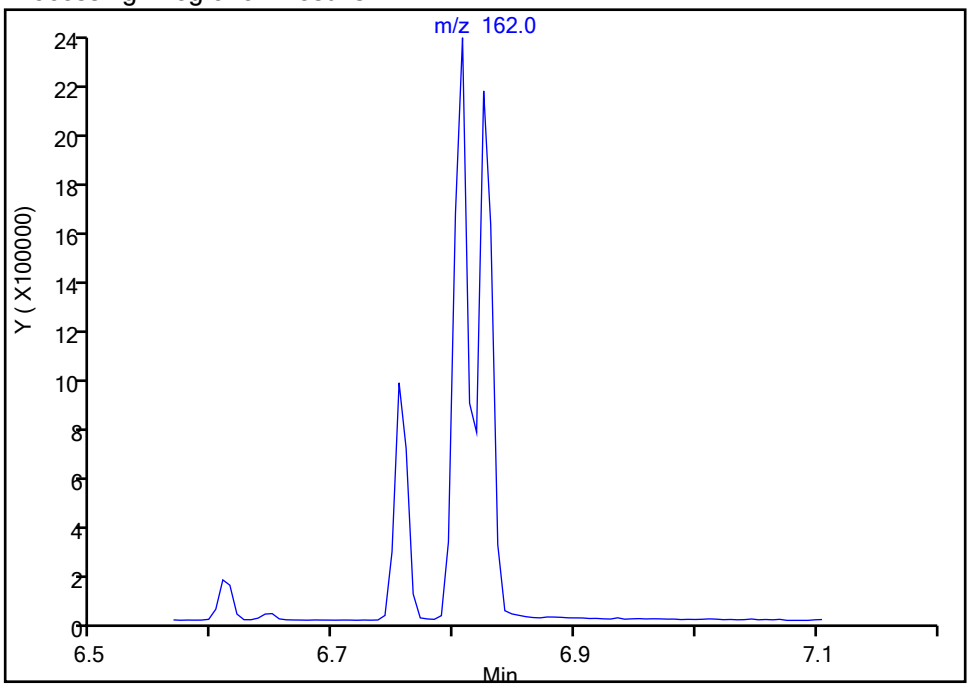
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Injection Date:	14-Apr-2025 12:24:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

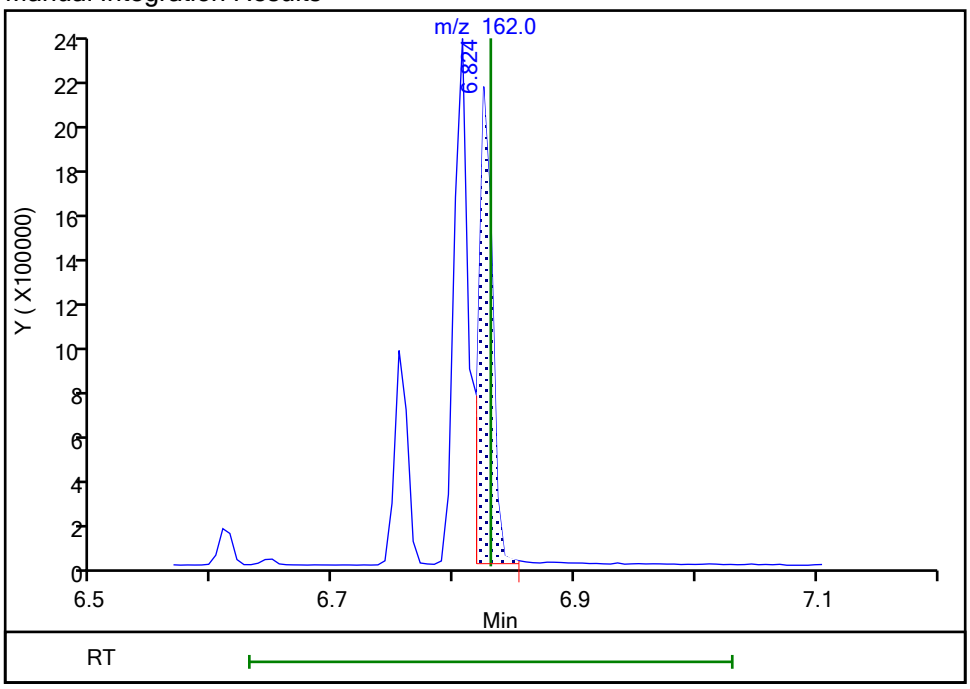
Not Detected
Expected RT: 6.83

Processing Integration Results



Manual Integration Results

RT: 6.82
Area: 1592148
Amount: 17.411487
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:21:13 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1405.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Apr-2025 12:46:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0143944-005
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:11:01 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:25:05

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.779	1.779	0.000	93	179400	7.50	6.87	
	2 N-Nitrosodimethylamine	74	2.007	2.007	0.000	92	314287	7.50	6.86	
	3 Pyridine	79	2.054	2.054	0.000	97	1024078	15.0	14.2	
	4 Dimethylformamide	73	2.363	2.363	0.000	89	380966	7.50	6.92	
	5 2-Picoline	93	2.667	2.667	0.000	90	513520	7.50	7.35	
	6 N-Nitrosomethylethylamine	88	2.737	2.737	0.000	95	232526	7.50	7.40	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	86	317307	7.50	6.94	
$	9 2-Fluorophenol	112	3.169	3.169	0.000	93	868882	15.0	15.5	
	11 N-Nitrosodiethylamine	102	3.397	3.397	0.000	96	202720	7.50	7.24	
	12 Ethyl methanesulfonate	109	3.689	3.689	0.000	93	212230	7.50	7.02	
	13 Benzaldehyde	77	4.016	4.016	0.000	92	476262	7.50	7.04	
$	15 Phenol-d5	99	4.068	4.068	0.000	94	1258323	15.0	15.9	
	16 Phenol	94	4.080	4.080	0.000	94	605378	7.50	7.85	
	17 Aniline	93	4.115	4.115	0.000	95	796668	7.50	7.50	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	93	487316	7.50	7.37	
	19 2-Chlorophenol	128	4.232	4.232	0.000	91	377452	7.50	7.34	
	21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	93	446321	7.50	7.51	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	95	197539	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	89	445846	7.50	7.01	
	26 Benzyl alcohol	108	4.565	4.565	0.000	86	287453	7.50	7.50	
	27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	93	433350	7.50	7.36	
	29 2-Methylphenol	108	4.670	4.670	0.000	95	406572	7.50	7.82	
	30 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.000	92	584855	7.50	7.28	
	31 N-Nitrosopyrrolidine	100	4.798	4.798	0.000	93	235966	7.50	7.37	
	34 4-Methylphenol	108	4.822	4.822	0.000	55	411732	7.50	7.06	
	32 Acetophenone	105	4.822	4.822	0.000	85	738940	7.50	7.60	
	33 N-Nitrosodi-n-propylamine	70	4.822	4.822	0.000	67	445032	7.50	7.39	
	35 N-Nitrosomorpholine	56	4.839	4.839	0.000	88	297026	7.50	7.02	
	36 2-Toluidine	106	4.851	4.851	0.000	93	660584	7.50	7.10	
	37 Hexachloroethane	117	4.921	4.921	0.000	92	205465	7.50	7.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.968	4.968	0.000	87	1308252	15.0	15.5	
40 Nitrobenzene	77	4.985	4.985	0.000	85	628139	7.50	7.57	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	82	204353	7.50	7.78	
42 Isophorone	82	5.213	5.213	0.000	96	1088680	7.50	7.74	
43 2-Nitrophenol	139	5.289	5.289	0.000	87	196606	7.50	7.84	
44 2,4-Dimethylphenol	107	5.330	5.330	0.000	96	480533	7.50	8.15	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	92	207305	7.50	7.67	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	97	650307	7.50	7.78	
54 alpha,alpha-Dimethyl phenethylam	58	5.505	5.505	0.000	89	158760	7.50	2.32	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	97	337895	7.50	7.88	
50 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	93	436483	7.50	8.14	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	678599	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	98	1118282	7.50	7.76	
55 Alpha-Terpineol	59	5.686	5.686	0.000	92	423210	7.50	7.99	
56 4-Chloroaniline	127	5.727	5.727	0.000	92	483377	7.50	8.06	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	93	341745	7.50	8.00	
58 Hexachloropropene	213	5.762	5.762	0.000	98	336767	7.50	8.00	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	306626	7.50	7.44	
61 Quinoline	129	5.995	5.995	0.000	93	689859	7.50	7.33	
62 Caprolactam	113	6.048	6.048	0.000	70	92076	7.50	7.48	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	87	454275	7.50	7.56	
64 p-Phenylene diamine	108	6.071	6.071	0.000	93	420295	7.50	7.82	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	91	409106	7.50	7.69	
66 Safrole, Total	162	6.258	6.258	0.000	80	280959	7.50	7.49	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	91	681578	7.50	7.79	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	91	711357	7.50	7.69	
71 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	92	410271	7.50	8.35	
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.497	0.000	97	487983	7.50	7.88	
S 24 Dinitrotoluene	165				0		15.0	16.5	
72 Isosafrole Peak 1	162	6.538	6.538	0.000	80	48671	1.20	1.25	
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	85	280271	7.50	8.21	
80 2,4,5-Trichlorophenol	196	6.643	6.643	0.000	92	309081	7.50	7.77	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	99	1893857	15.0	16.0	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	85	287282	6.30	6.59	
83 1,1'-Biphenyl	154	6.784	6.784	0.000	97	953956	7.50	7.92	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	97	737876	7.50	7.89	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	98	698172	7.50	7.64	
86 Phenyl ether	170	6.889	6.889	0.000	85	566566	7.50	8.24	
87 2-Nitroaniline	138	6.906	6.906	0.000	73	225702	7.50	8.18	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	76	287576	7.50	7.35	
89 1,4-Dinitrobenzene	168	7.040	7.040	0.000	83	112319	7.50	8.15	
90 Dimethyl phthalate	163	7.081	7.081	0.000	96	872901	7.50	7.75	
91 1,3-Dinitrobenzene	168	7.105	7.105	0.000	81	131809	7.50	8.16	
92 2,6-Dinitrotoluene	165	7.134	7.134	0.000	88	199217	7.50	8.08	
93 Acenaphthylene	152	7.198	7.198	0.000	99	1142969	7.50	7.98	
95 3-Nitroaniline	138	7.297	7.297	0.000	83	183186	7.50	7.38	
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	94	411619	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	97	771606	7.50	7.80	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	82	281454	17.5	18.2	
100 4-Nitrophenol	109	7.461	7.461	0.000	83	335577	15.0	16.2	
99 Pentachlorobenzene	250	7.490	7.490	0.000	97	394736	7.50	7.26	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	87	281339	7.50	8.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	96	1101549	7.50	7.82	
104 1-Naphthylamine	143	7.601	7.601	0.000	96	667621	7.50	7.37	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	280711	7.50	7.76	
106 2-Naphthylamine	143	7.677	7.677	0.000	94	673239	7.50	7.70	
107 Diethyl phthalate	149	7.759	7.759	0.000	96	874190	7.50	7.55	
109 Thionazin	107	7.835	7.835	0.000	75	141596	7.50	7.17	
108 Fluorene	166	7.852	7.852	0.000	93	841284	7.50	7.65	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	91	433098	7.50	7.59	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	84	194966	7.50	6.96	
112 4-Nitroaniline	138	7.875	7.875	0.000	76	191538	7.50	8.01	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.905	0.000	78	335480	15.0	15.8	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	66	589688	6.38	7.09	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	98	1200864	7.50	8.00	
$ 116 2,4,6-Tribromophenol	330	8.086	8.086	0.000	93	400998	15.0	15.9	
117 Sulfotepp	97	8.132	8.132	0.000	80	197727	7.50	8.06	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	80	75951	7.50	8.49	
120 cis-Diallate	86	8.249	8.249	0.000	81	323269	5.55	5.59	
119 Phorate	75	8.255	8.255	0.000	94	696228	7.50	7.68	
121 Phenacetin	108	8.267	8.267	0.000	85	423257	7.50	7.90	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	65	291533	7.50	8.08	
123 trans-Diallate	86	8.337	8.337	0.000	92	114699	1.95	1.98	
124 Hexachlorobenzene	284	8.372	8.372	0.000	96	358837	7.50	7.95	
125 Dimethoate	87	8.418	8.418	0.000	97	407004	7.50	8.58	
126 Atrazine	200	8.489	8.489	0.000	89	236481	7.50	8.08	
127 Pentachlorophenol	266	8.564	8.564	0.000	93	438014	15.0	16.8	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	92	854381	7.50	8.00	
128 Pentachloronitrobenzene	237	8.576	8.576	0.000	83	154760	7.50	7.49	
130 Pronamide	173	8.634	8.634	0.000	90	391155	7.50	8.33	
* 131 Phenanthrene-d10	188	8.745	8.745	0.000	98	741288	5.00	5.00	
133 Dinoseb	211	8.745	8.745	0.000	75	214180	7.50	8.25	
134 Disulfoton	88	8.757	8.757	0.000	97	586177	7.50	7.20	
132 Phenanthrene	178	8.769	8.769	0.000	97	1230410	7.50	8.07	
135 Anthracene	178	8.816	8.816	0.000	98	1219577	7.50	7.99	
136 Carbazole	167	8.973	8.973	0.000	96	1088962	7.50	8.31	
137 Methyl parathion	109	9.113	9.113	0.000	89	298082	7.50	8.17	
138 Di-n-butyl phthalate	149	9.324	9.324	0.000	100	1293958	7.50	8.11	
139 Ethyl Parathion	109	9.487	9.487	0.000	82	172667	7.50	7.76	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	76	84144	7.50	6.76	
S 68 Diallate	86				0		7.50	7.57	
142 Octachlorostyrene	308	9.721	9.721	0.000	89	150000	7.50	8.63	
143 Isodrin	193	9.761	9.761	0.000	91	157809	7.50	7.33	
144 Fluoranthene	202	9.902	9.902	0.000	98	1355554	7.50	7.91	
145 Benzidine	184	10.042	10.042	0.000	99	2405618	22.5	24.3	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	98	741758	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	97	1421803	7.50	8.00	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	100	1950184	15.0	16.2	
149 p-Dimethylamino azobenzene	225	10.421	10.421	0.000	92	195860	7.50	8.45	
150 Chlorobenzilate	139	10.474	10.474	0.000	91	355887	7.50	7.95	
151 Famphur	218	10.474	10.474	0.000	49	4642	7.50	11.7	
152 3,3'-Dimethylbenzidine	212	10.777	10.777	0.000	99	646996	7.50	8.48	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	95	532814	7.50	8.24	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	92	385642	7.50	7.54	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		7.50	7.84	
157 3,3'-Dichlorobenzidine	252	11.391	11.391	0.000	75	521488	7.50	8.38	
158 4,4'-Methylene bis(2-chloroanil	231	11.396	11.396	0.000	90	236356	7.50	8.14	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	98	1275685	7.50	8.22	
159 Chrysene	228	11.443	11.443	0.000	96	1210139	7.50	8.26	
160 Bis(2-ethylhexyl) phthalate	149	11.484	11.484	0.000	96	750749	7.50	8.17	
S 103 Aramite, Total	185		11.583				7.50	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	98	788948	7.50	8.08	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	99	1203302	7.50	7.87	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.821	0.000	70	482874	7.50	7.95	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	96	1294982	7.50	8.22	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	98	1314213	7.50	8.11	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	77	1215336	7.50	8.15	
* 167 Perylene-d12	264	13.364	13.364	0.000	99	655441	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.808	0.000	90	536945	7.50	7.53	
169 Dibenz[a,h]acridine	279	14.596	14.596	0.000	91	881411	7.50	7.67	
170 Dibenz[a,j]acridine	279	14.666	14.666	0.000	96	1052845	7.50	8.18	
171 Indeno[1,2,3-cd]pyrene	276	14.894	14.894	0.000	99	1176641	7.50	7.85	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	91	1184656	7.50	8.32	
173 Benzo[g,h,i]perylene	276	15.268	15.268	0.000	98	1222693	7.50	7.98	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_5_00051 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:11:06 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1405.D

Injection Date: 14-Apr-2025 12:46:30 Instrument ID: HP23264 Operator ID: CJS101602

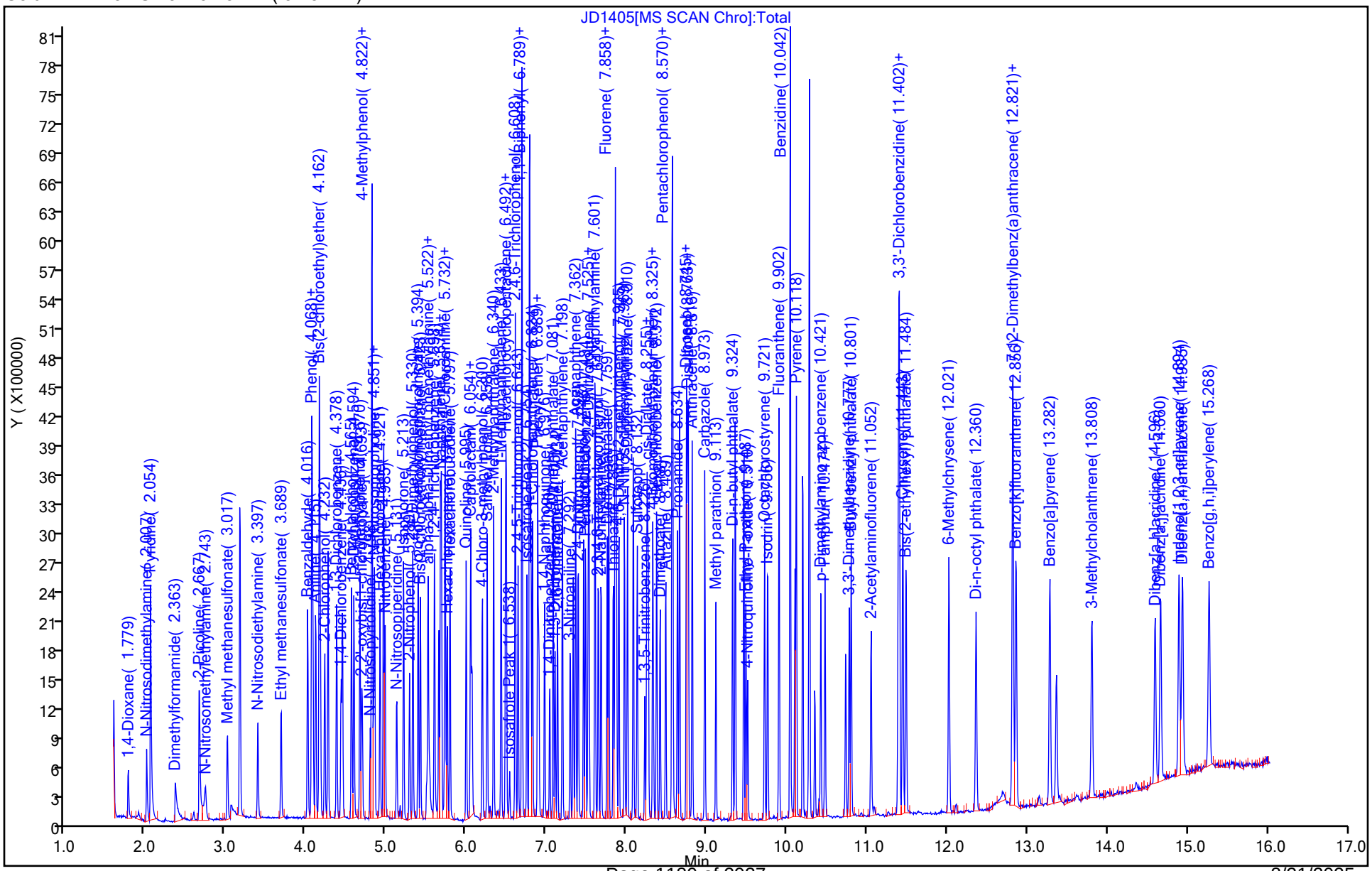
Lims ID: IC L5 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1406.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Apr-2025 13:07:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0143944-006
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:12:00 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:27:02

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.780	1.779	0.001	94	91353	3.75	3.36	
	2 N-Nitrosodimethylamine	74	2.013	2.007	0.006	89	150022	3.75	3.50	
	3 Pyridine	79	2.060	2.054	0.006	97	478248	7.50	7.06	
	4 Dimethylformamide	73	2.393	2.363	0.030	91	177802	3.75	3.45	
	5 2-Picoline	93	2.667	2.667	0.000	90	234877	3.75	3.59	
	6 N-Nitrosomethylethylamine	88	2.743	2.737	0.006	94	103033	3.75	3.50	
	7 Methyl methanesulfonate	80	3.017	3.017	0.000	87	162598	3.75	3.80	
$	9 2-Fluorophenol	112	3.169	3.169	0.000	93	382134	7.50	7.28	
	11 N-Nitrosodiethylamine	102	3.397	3.397	0.000	93	92051	3.75	3.51	
	12 Ethyl methanesulfonate	109	3.689	3.689	0.000	94	103228	3.75	3.64	
	13 Benzaldehyde	77	4.016	4.016	0.000	94	227615	3.75	3.59	
$	15 Phenol-d5	99	4.068	4.068	0.000	94	563684	7.50	7.59	
	16 Phenol	94	4.080	4.080	0.000	93	270805	3.75	3.75	
	17 Aniline	93	4.115	4.115	0.000	94	349185	3.75	3.51	
	18 Bis(2-chloroethyl)ether	93	4.174	4.179	-0.005	91	227317	3.75	3.67	
	19 2-Chlorophenol	128	4.232	4.232	0.000	91	177106	3.75	3.68	
	21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	92	204304	3.75	3.67	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	185092	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	202869	3.75	3.40	
	26 Benzyl alcohol	108	4.565	4.565	0.000	86	134277	3.75	3.74	
	27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	93	198445	3.75	3.60	
	29 2-Methylphenol	108	4.670	4.670	0.000	94	182417	3.75	3.75	
	30 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.000	91	289435	3.75	3.84	
	31 N-Nitrosopyrrolidine	100	4.798	4.798	0.000	89	109661	3.75	3.66	
	34 4-Methylphenol	108	4.822	4.822	0.000	54	191359	3.75	3.50	
	32 Acetophenone	105	4.822	4.822	0.000	80	349120	3.75	3.83	
	33 N-Nitrosodi-n-propylamine	70	4.816	4.822	-0.006	62	206334	3.75	3.66	
	35 N-Nitrosomorpholine	56	4.839	4.839	0.000	88	143833	3.75	3.63	
	36 2-Toluidine	106	4.851	4.851	0.000	95	314668	3.75	3.61	
	37 Hexachloroethane	117	4.921	4.921	0.000	91	98454	3.75	3.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.962	4.968	-0.006	87	604494	7.50	7.13	
40 Nitrobenzene	77	4.985	4.985	0.000	85	293728	3.75	3.53	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	89327	3.75	3.39	
42 Isophorone	82	5.213	5.213	0.000	97	512125	3.75	3.63	
43 2-Nitrophenol	139	5.289	5.289	0.000	84	87652	3.75	3.49	
44 2,4-Dimethylphenol	107	5.330	5.330	0.000	98	218636	3.75	3.70	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	91	99041	3.75	3.65	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	97	302968	3.75	3.61	
54 alpha,alpha-Dimethyl phenethylam	58	5.505	5.505	0.000	87	361438	3.75	5.26	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	97	160915	3.75	3.74	
50 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	93	194174	3.75	3.61	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	680232	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	98	526617	3.75	3.65	
55 Alpha-Terpineol	59	5.686	5.686	0.000	91	193659	3.75	3.65	
56 4-Chloroaniline	127	5.733	5.727	0.006	92	219469	3.75	3.65	
57 2,6-Dichlorophenol	162	5.733	5.738	-0.005	89	158614	3.75	3.70	
58 Hexachloropropene	213	5.762	5.762	0.000	97	157946	3.75	3.74	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	151817	3.75	3.67	
61 Quinoline	129	5.995	5.995	0.000	94	342023	3.75	3.63	
62 Caprolactam	113	6.048	6.048	0.000	74	46128	3.75	3.74	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	88	222211	3.75	3.69	
64 p-Phenylene diamine	108	6.071	6.071	0.000	92	179331	3.75	3.33	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	200330	3.75	3.76	
66 Safrole, Total	162	6.258	6.258	0.000	76	132830	3.75	3.53	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	93	328631	3.75	3.75	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	92	327984	3.75	3.54	
71 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	92	186821	3.75	3.86	
70 1,2,4,5-Tetrachlorobenzene	216	6.498	6.497	0.001	97	219418	3.75	3.59	
S 24 Dinitrotoluene	165				0		7.50	7.67	
72 Isosafrole Peak 1	162	6.538	6.538	0.000	80	24117	0.6000	0.6258	
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	85	128123	3.75	3.81	
80 2,4,5-Trichlorophenol	196	6.643	6.643	0.000	93	146308	3.75	3.73	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	99	928308	7.50	7.94	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	87	138781	3.15	3.23	
83 1,1'-Biphenyl	154	6.789	6.784	0.005	98	442670	3.75	3.73	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	95	339196	3.75	3.68	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	97	334023	3.75	3.71	
86 Phenyl ether	170	6.889	6.889	0.000	85	257994	3.75	3.81	
87 2-Nitroaniline	138	6.900	6.906	-0.006	72	103852	3.75	3.82	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	78	142724	3.75	3.70	
89 1,4-Dinitrobenzene	168	7.041	7.040	0.001	82	45601	3.75	3.35	
90 Dimethyl phthalate	163	7.081	7.081	0.000	96	418577	3.75	3.77	
91 1,3-Dinitrobenzene	168	7.105	7.105	0.000	79	56544	3.75	3.55	
92 2,6-Dinitrotoluene	165	7.134	7.134	0.000	83	88183	3.75	3.63	
93 Acenaphthylene	152	7.198	7.198	0.000	99	525169	3.75	3.72	
95 3-Nitroaniline	138	7.292	7.297	-0.005	84	82745	3.75	3.38	
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	95	405857	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	97	368368	3.75	3.78	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	81	174163	11.3	11.4	
100 4-Nitrophenol	109	7.461	7.461	0.000	82	155350	7.50	7.59	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	97	198507	3.75	3.70	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	93	133802	3.75	4.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.525	7.531	-0.006	96	519207	3.75	3.74	
104 1-Naphthylamine	143	7.601	7.601	0.000	96	320543	3.75	3.59	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	120592	3.75	3.38	
106 2-Naphthylamine	143	7.677	7.677	0.000	95	336775	3.75	3.90	
107 Diethyl phthalate	149	7.753	7.759	-0.006	96	428589	3.75	3.75	
109 Thionazin	107	7.829	7.835	-0.006	75	70912	3.75	3.64	
108 Fluorene	166	7.852	7.852	0.000	93	405048	3.75	3.74	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	90	219070	3.75	3.89	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	82	97355	3.75	3.52	
112 4-Nitroaniline	138	7.870	7.875	-0.005	74	91534	3.75	3.88	
113 4,6-Dinitro-2-methylphenol	198	7.899	7.905	-0.006	79	159674	7.50	6.99	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	64	273747	3.19	3.06	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	97	587168	3.75	3.64	
$ 116 2,4,6-Tribromophenol	330	8.080	8.086	-0.006	92	184052	7.50	7.38	
117 Sulfotepp	97	8.132	8.132	0.000	78	93129	3.75	3.53	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	80	35041	3.75	3.64	
120 cis-Diallate	86	8.249	8.249	0.000	84	151923	2.78	2.44	
119 Phorate	75	8.255	8.255	0.000	94	355106	3.75	3.64	
121 Phenacetin	108	8.267	8.267	0.000	86	218800	3.75	3.80	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	65	141171	3.75	3.64	
123 trans-Diallate	86	8.331	8.337	-0.006	92	57739	0.9750	0.9256	
124 Hexachlorobenzene	284	8.372	8.372	0.000	95	173809	3.75	3.58	
125 Dimethoate	87	8.413	8.418	-0.005	97	186515	3.75	3.65	
126 Atrazine	200	8.489	8.489	0.000	90	127620	3.75	4.05	
127 Pentachlorophenol	266	8.565	8.564	0.001	93	199791	7.50	7.13	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	91	429733	3.75	3.74	
128 Pentachloronitrobenzene	237	8.576	8.576	0.000	83	84148	3.75	3.78	
130 Pronamide	173	8.635	8.634	0.001	89	179120	3.75	3.55	
* 131 Phenanthrene-d10	188	8.746	8.745	0.001	97	797639	5.00	5.00	
133 Dinoseb	211	8.746	8.745	0.001	65	97806	3.75	3.50	
134 Disulfoton	88	8.757	8.757	0.000	97	296474	3.75	3.38	
132 Phenanthrene	178	8.769	8.769	0.000	98	587215	3.75	3.58	
135 Anthracene	178	8.816	8.816	0.000	98	600098	3.75	3.66	
136 Carbazole	167	8.973	8.973	0.000	96	520544	3.75	3.69	
137 Methyl parathion	109	9.113	9.113	0.000	90	136519	3.75	3.48	
138 Di-n-butyl phthalate	149	9.324	9.324	0.000	100	628202	3.75	3.66	
139 Ethyl Parathion	109	9.487	9.487	0.000	81	90122	3.75	3.76	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	78	39272	3.75	2.93	
S 68 Diallate	86				0		3.75	3.37	
142 Octachlorostyrene	308	9.721	9.721	0.000	89	70560	3.75	3.77	
143 Isodrin	193	9.756	9.761	-0.005	92	82383	3.75	3.56	
144 Fluoranthene	202	9.902	9.902	0.000	98	655232	3.75	3.56	
145 Benzidine	184	10.042	10.042	0.000	99	1161672	11.3	10.7	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	97	815410	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	97	701506	3.75	3.59	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	100	951028	7.50	7.18	
149 p-Dimethylamino azobenzene	225	10.421	10.421	0.000	93	92179	3.75	3.62	
150 Chlorobenzilate	139	10.474	10.474	0.000	89	173839	3.75	3.53	
151 Famphur	218	10.474	10.474	0.000	49	2124	3.75	4.89	
152 3,3'-Dimethylbenzidine	212	10.778	10.777	0.001	99	294238	3.75	3.51	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	93	244955	3.75	3.45	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	91	171261	3.75	3.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		3.75	3.86	
157 3,3'-Dichlorobenzidine	252	11.391	11.391	0.000	76	248578	3.75	3.63	
158 4,4'-Methylene bis(2-chloroanil	231	11.396	11.396	0.000	93	111778	3.75	3.50	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	98	619413	3.75	3.63	
159 Chrysene	228	11.443	11.443	0.000	97	585940	3.75	3.64	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.484	0.006	96	335380	3.75	3.32	
S 103 Aramite, Total	185		11.583				3.75	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	97	390537	3.75	3.64	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	99	534333	3.75	3.26	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.821	0.000	70	227453	3.75	3.50	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	96	601971	3.75	3.57	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	99	606786	3.75	3.50	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	77	564916	3.75	3.54	M
* 167 Perylene-d12	264	13.364	13.364	0.000	99	701749	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.808	0.000	89	245992	3.75	3.22	
169 Dibenz[a,h]acridine	279	14.590	14.596	-0.006	90	433666	3.75	3.52	
170 Dibenz[a,j]acridine	279	14.660	14.666	-0.006	96	508034	3.75	3.69	
171 Indeno[1,2,3-cd]pyrene	276	14.894	14.894	0.000	98	552032	3.75	3.44	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	91	570382	3.75	3.74	
173 Benzo[g,h,i]perylene	276	15.268	15.268	0.000	98	583210	3.75	3.56	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_4_00040 Amount Added: 1.00 Units: mL

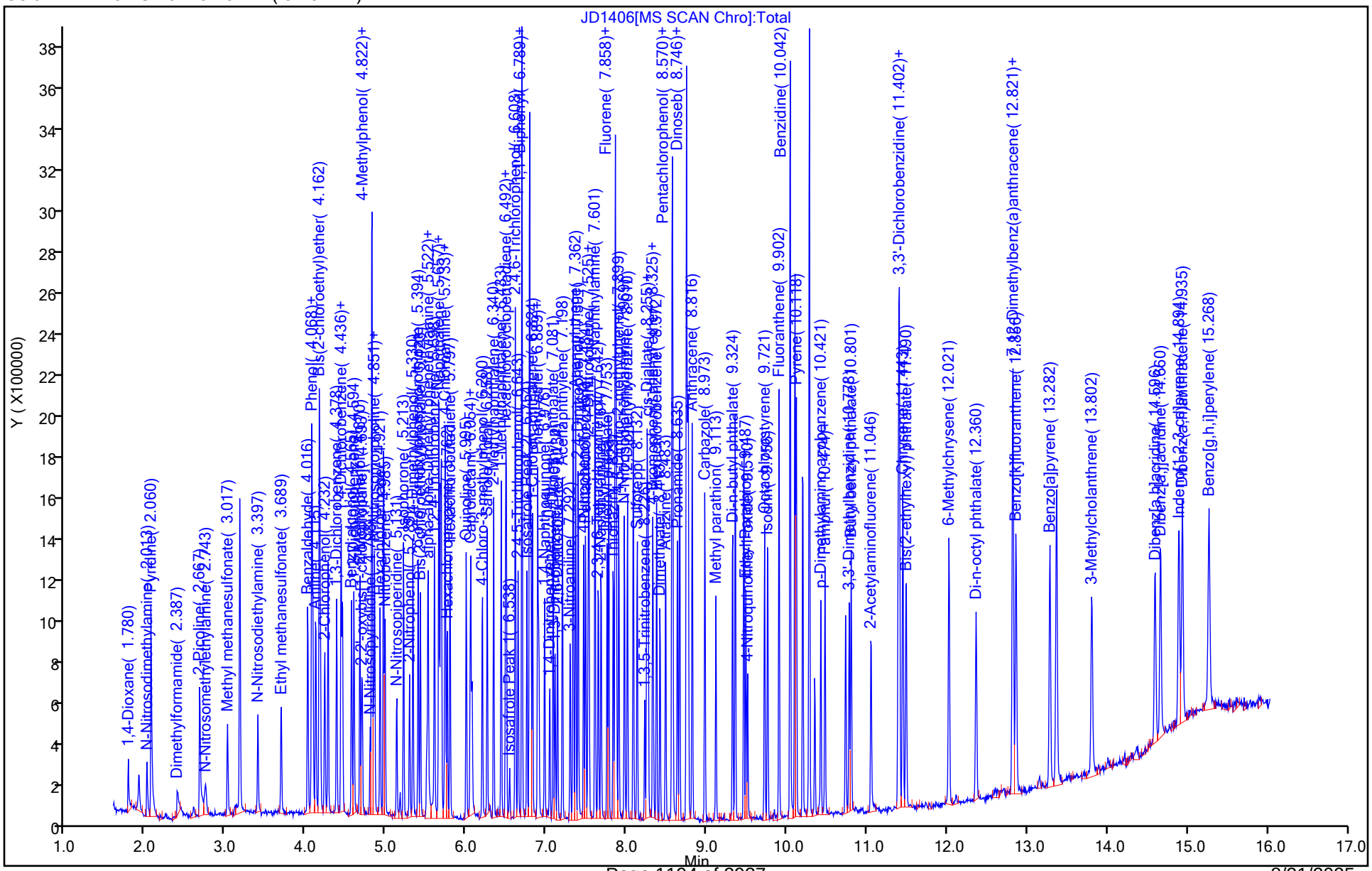
Report Date: 14-Apr-2025 19:12:05 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1406.D

Injection Date:	14-Apr-2025 13:07:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

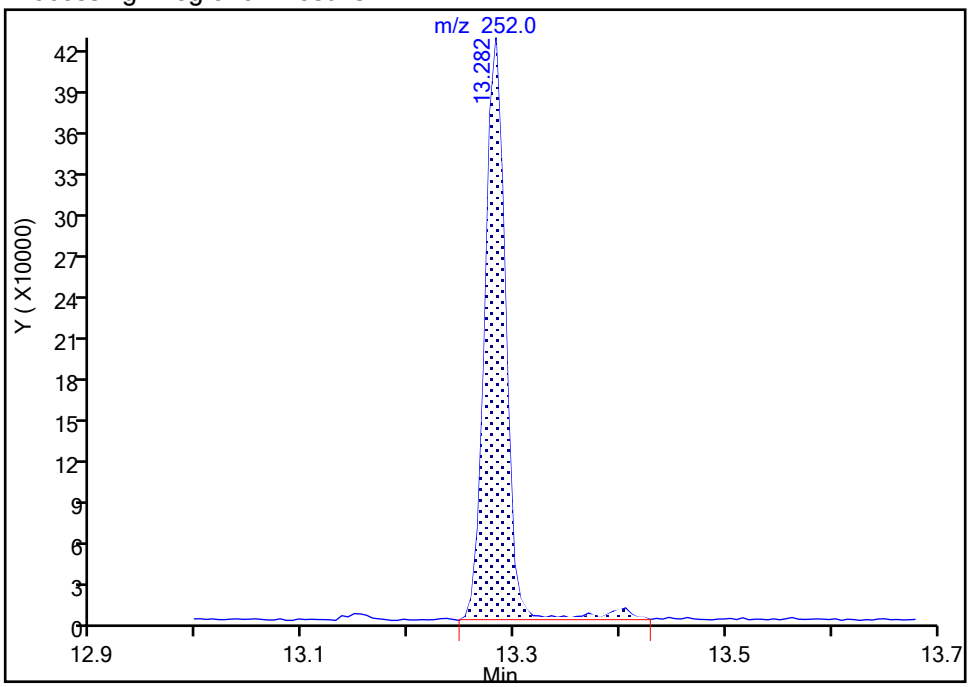
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Injection Date:	14-Apr-2025 13:07:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

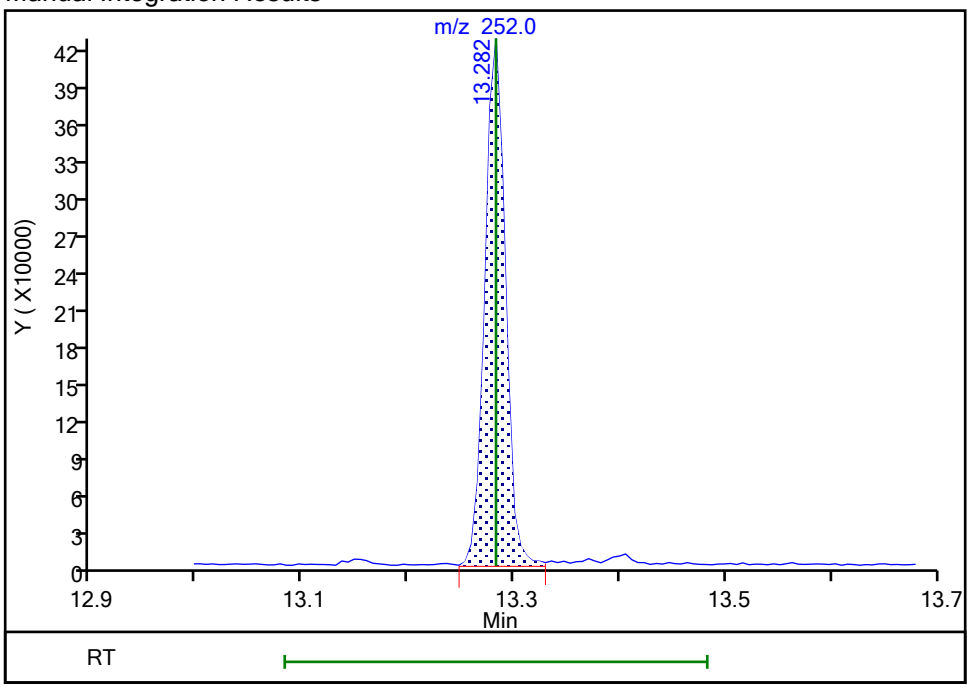
Processing Integration Results

RT: 13.28
Area: 587430
Amount: 3.660397
Amount Units: ug/ml



Manual Integration Results

RT: 13.28
Area: 564916
Amount: 3.536646
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:26:48 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1407.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Apr-2025 13:28:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0143944-007
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:13:01 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:29:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.785	1.779	0.006	90	43786	1.25	1.30	
2 N-Nitrosodimethylamine	74	2.019	2.007	0.012	90	49088	1.25	1.21	
3 Pyridine	79	2.071	2.054	0.017	96	163920	2.50	2.55	
4 Dimethylformamide	73	2.439	2.363	0.076	83	63648	1.25	1.30	M
5 2-Picoline	93	2.679	2.667	0.012	88	72002	1.25	1.16	
6 N-Nitrosomethylethylamine	88	2.714	2.737	-0.023	91	41296	1.25	1.48	
7 Methyl methanesulfonate	80	3.017	3.017	0.000	85	49909	1.25	1.23	
$ 9 2-Fluorophenol	112	3.169	3.169	0.000	93	120751	2.50	2.43	
11 N-Nitrosodiethylamine	102	3.397	3.397	0.000	90	28706	1.25	1.16	
12 Ethyl methanesulfonate	109	3.689	3.689	0.000	94	33351	1.25	1.24	
13 Benzaldehyde	77	4.016	4.016	0.000	90	78247	1.25	1.30	
$ 15 Phenol-d5	99	4.068	4.068	0.000	92	168185	2.50	2.39	
16 Phenol	94	4.080	4.080	0.000	93	84543	1.25	1.24	
17 Aniline	93	4.121	4.115	0.006	94	114447	1.25	1.21	
18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	96	77982	1.25	1.33	
19 2-Chlorophenol	128	4.232	4.232	0.000	90	54265	1.25	1.19	
21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	92	64651	1.25	1.22	
* 22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	175389	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.448	4.454	-0.006	91	69229	1.25	1.23	
26 Benzyl alcohol	108	4.565	4.565	0.000	86	36880	1.25	1.08	
27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	92	64653	1.25	1.24	
29 2-Methylphenol	108	4.670	4.670	0.000	93	54138	1.25	1.17	
30 2,2'-oxybis[1-chloropropane]	45	4.693	4.693	0.000	91	88863	1.25	1.25	
31 N-Nitrosopyrrolidine	100	4.798	4.798	0.000	90	35885	1.25	1.26	
34 4-Methylphenol	108	4.816	4.822	-0.006	66	70087	1.25	1.35	
32 Acetophenone	105	4.822	4.822	0.000	81	105614	1.25	1.22	
33 N-Nitrosodi-n-propylamine	70	4.816	4.822	-0.006	62	64345	1.25	1.20	
35 N-Nitrosomorpholine	56	4.839	4.839	0.000	82	47289	1.25	1.26	
36 2-Toluidine	106	4.851	4.851	0.000	95	102652	1.25	1.24	
37 Hexachloroethane	117	4.921	4.921	0.000	88	32008	1.25	1.24	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.962	4.968	-0.006	87	195167	2.50	2.37	
40 Nitrobenzene	77	4.985	4.985	0.000	84	99262	1.25	1.23	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	84	31960	1.25	1.25	
42 Isophorone	82	5.213	5.213	0.000	95	175516	1.25	1.28	
43 2-Nitrophenol	139	5.289	5.289	0.000	90	31484	1.25	1.29	
44 2,4-Dimethylphenol	107	5.330	5.330	0.000	95	68230	1.25	1.19	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	90	32565	1.25	1.24	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	96	96052	1.25	1.18	
54 alpha,alpha-Dimethyl phenethylam	58	5.511	5.505	0.006	86	110939	1.25	1.67	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	95	48583	1.25	1.16	
50 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	94	62787	1.25	1.20	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	100	659969	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	98	169365	1.25	1.21	
55 Alpha-Terpineol	59	5.686	5.686	0.000	90	61215	1.25	1.19	
56 4-Chloroaniline	127	5.732	5.727	0.005	92	74032	1.25	1.27	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	93	50484	1.25	1.21	
58 Hexachloropropene	213	5.762	5.762	0.000	95	52066	1.25	1.27	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	92	49829	1.25	1.24	
61 Quinoline	129	5.995	5.995	0.000	94	119101	1.25	1.30	
62 Caprolactam	113	6.042	6.048	-0.006	70	14206	1.25	1.19	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	89	76717	1.25	1.31	
64 p-Phenylene diamine	108	6.071	6.071	0.000	97	58877	1.25	1.13	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	61650	1.25	1.19	
66 Safrole, Total	162	6.258	6.258	0.000	82	46889	1.25	1.28	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	87	103849	1.25	1.22	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	91	106637	1.25	1.19	
71 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	94	57470	1.25	1.16	
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.497	0.000	96	77329	1.25	1.24	
S 24 Dinitrotoluene	165				0		2.50	2.35	
72 Isosafrole Peak 1	162	6.538	6.538	0.000	84	7172	0.2000	0.1817	
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	85	42947	1.25	1.25	
80 2,4,5-Trichlorophenol	196	6.643	6.643	0.000	92	48451	1.25	1.21	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	98	282773	2.50	2.36	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	81	41488	1.05	0.9428	
83 1,1'-Biphenyl	154	6.789	6.784	0.005	97	153832	1.25	1.26	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	95	109269	1.25	1.16	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	97	115292	1.25	1.25	
86 Phenyl ether	170	6.889	6.889	0.000	85	85474	1.25	1.23	
87 2-Nitroaniline	138	6.900	6.906	-0.006	74	31818	1.25	1.14	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	81	51631	1.25	1.31	
89 1,4-Dinitrobenzene	168	7.040	7.040	0.000	84	18118	1.25	1.30	
90 Dimethyl phthalate	163	7.081	7.081	0.000	95	140065	1.25	1.23	
91 1,3-Dinitrobenzene	168	7.105	7.105	0.000	83	19064	1.25	1.17	
92 2,6-Dinitrotoluene	165	7.134	7.134	0.000	83	29572	1.25	1.19	
93 Acenaphthylene	152	7.198	7.198	0.000	99	174365	1.25	1.20	
95 3-Nitroaniline	138	7.297	7.297	0.000	83	29044	1.25	1.16	
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	95	415727	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	96	122446	1.25	1.23	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	73	63987	5.00	4.10	
100 4-Nitrophenol	109	7.461	7.461	0.000	83	71765	3.75	3.42	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	95	70681	1.25	1.29	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	83	39259	1.25	1.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	96	176022	1.25	1.24	
104 1-Naphthylamine	143	7.601	7.601	0.000	98	106045	1.25	1.16	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	71	45121	1.25	1.23	
106 2-Naphthylamine	143	7.677	7.677	0.000	95	110514	1.25	1.25	
107 Diethyl phthalate	149	7.753	7.759	-0.006	96	145567	1.25	1.24	
109 Thionazin	107	7.835	7.835	-0.001	76	24156	1.25	1.21	
108 Fluorene	166	7.852	7.852	0.000	92	140935	1.25	1.27	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	91	72975	1.25	1.27	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	84	34066	1.25	1.20	
112 4-Nitroaniline	138	7.870	7.875	-0.005	70	28801	1.25	1.19	
113 4,6-Dinitro-2-methylphenol	198	7.899	7.905	-0.006	76	71476	3.75	3.04	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	66	86546	1.06	0.9395	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	97	197162	1.25	1.19	
$ 116 2,4,6-Tribromophenol	330	8.086	8.086	0.000	92	63197	2.50	2.48	
117 Sulfotepp	97	8.132	8.132	0.000	75	28864	1.25	1.06	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	80	11123	1.25	1.12	
120 cis-Diallate	86	8.249	8.249	0.000	84	54003	0.9250	0.8421	
119 Phorate	75	8.255	8.255	0.000	94	114357	1.25	1.14	
121 Phenacetin	108	8.267	8.267	0.000	84	69383	1.25	1.17	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	67	43615	1.25	1.09	
123 trans-Diallate	86	8.337	8.337	0.000	88	23401	0.3250	0.3642	
124 Hexachlorobenzene	284	8.372	8.372	0.000	95	61905	1.25	1.24	
125 Dimethoate	87	8.413	8.418	-0.005	96	57700	1.25	1.10	
126 Atrazine	200	8.483	8.489	-0.006	90	42082	1.25	1.30	
127 Pentachlorophenol	266	8.564	8.564	0.000	93	64405	2.50	2.23	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	91	134818	1.25	1.14	
128 Pentachloronitrobenzene	237	8.570	8.576	-0.006	51	26633	1.25	1.16	
130 Pronamide	173	8.634	8.634	0.000	89	63433	1.25	1.22	
* 131 Phenanthrene-d10	188	8.745	8.745	0.000	97	821585	5.00	5.00	
133 Dinoseb	211	8.745	8.745	0.000	62	31640	1.25	1.10	
134 Disulfoton	88	8.757	8.757	0.000	96	108955	1.25	1.21	
132 Phenanthrene	178	8.769	8.769	0.000	98	215692	1.25	1.28	
135 Anthracene	178	8.815	8.816	-0.001	98	203771	1.25	1.20	
136 Carbazole	167	8.973	8.973	0.000	96	173477	1.25	1.19	
137 Methyl parathion	109	9.113	9.113	0.000	87	46579	1.25	1.15	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	204642	1.25	1.16	
139 Ethyl Parathion	109	9.487	9.487	0.000	81	24171	1.25	0.9796	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	78	12332	1.25	0.8942	
S 68 Diallate	86				0		1.25	1.21	
142 Octachlorostyrene	308	9.721	9.721	-0.001	86	25881	1.25	1.34	
143 Isodrin	193	9.756	9.761	-0.005	92	30030	1.25	1.26	
144 Fluoranthene	202	9.902	9.902	0.000	98	218630	1.25	1.15	
145 Benzidine	184	10.042	10.042	0.000	99	334463	3.75	3.10	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	98	810624	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	98	235669	1.25	1.21	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	99	323583	2.50	2.46	
149 p-Dimethylamino azobenzene	225	10.421	10.421	0.000	90	27532	1.25	1.09	
150 Chlorobenzilate	139	10.474	10.474	0.000	85	56985	1.25	1.16	
151 Famphur	218		10.474				ND	ND	
152 3,3'-Dimethylbenzidine	212	10.777	10.777	0.000	99	94404	1.25	1.13	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	93	82510	1.25	1.17	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	91	50649	1.25	0.9062	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		1.25	1.12	
157 3,3'-Dichlorobenzidine	252	11.390	11.391	-0.001	75	74354	1.25	1.09	
158 4,4'-Methylene bis(2-chloroanil	231	11.396	11.396	0.000	90	34218	1.25	1.08	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	98	208780	1.25	1.23	
159 Chrysene	228	11.443	11.443	0.000	96	203120	1.25	1.27	
160 Bis(2-ethylhexyl) phthalate	149	11.484	11.484	0.000	97	112249	1.25	1.12	
S 103 Aramite, Total	185		11.583				1.25	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	98	128907	1.25	1.21	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	99	165667	1.25	1.01	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.821	0.000	69	73180	1.25	1.12	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	96	196493	1.25	1.16	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	97	204215	1.25	1.17	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	77	188653	1.25	1.18	
* 167 Perylene-d12	264	13.364	13.364	0.000	99	702645	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.808	0.000	91	81437	1.25	1.07	
169 Dibenz[a,h]acridine	279	14.596	14.596	0.000	91	140676	1.25	1.14	
170 Dibenz[a,j]acridine	279	14.660	14.666	-0.006	95	154327	1.25	1.12	
171 Indeno[1,2,3-cd]pyrene	276	14.888	14.894	-0.006	99	178529	1.25	1.11	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	90	187506	1.25	1.23	
173 Benzo[g,h,i]perylene	276	15.262	15.268	-0.006	98	195059	1.25	1.19	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_3_00041 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 19:13:06 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1407.D

Injection Date: 14-Apr-2025 13:28:30 Instrument ID: HP23264 Operator ID: CJS101602

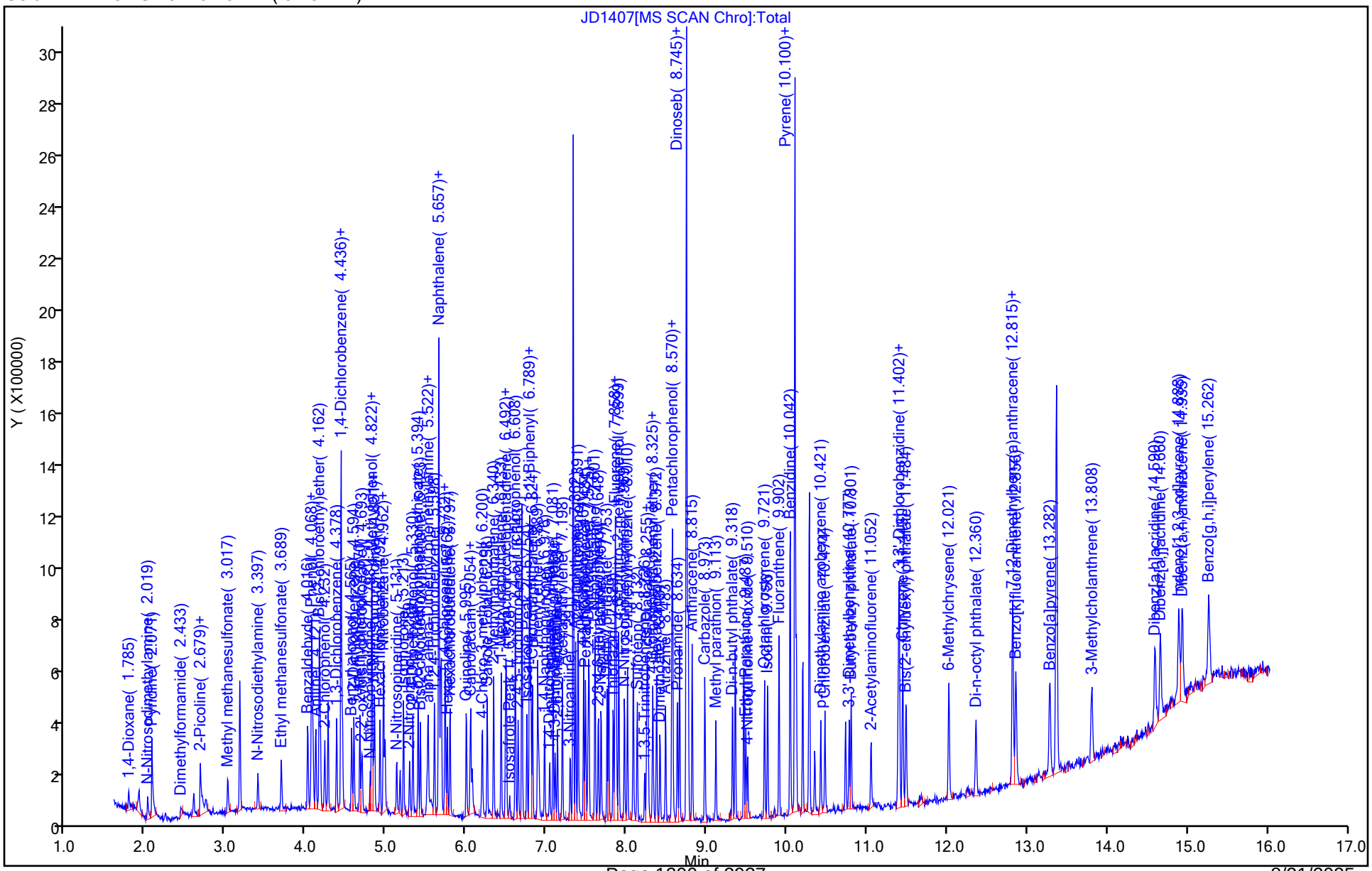
Lims ID: IC L3 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

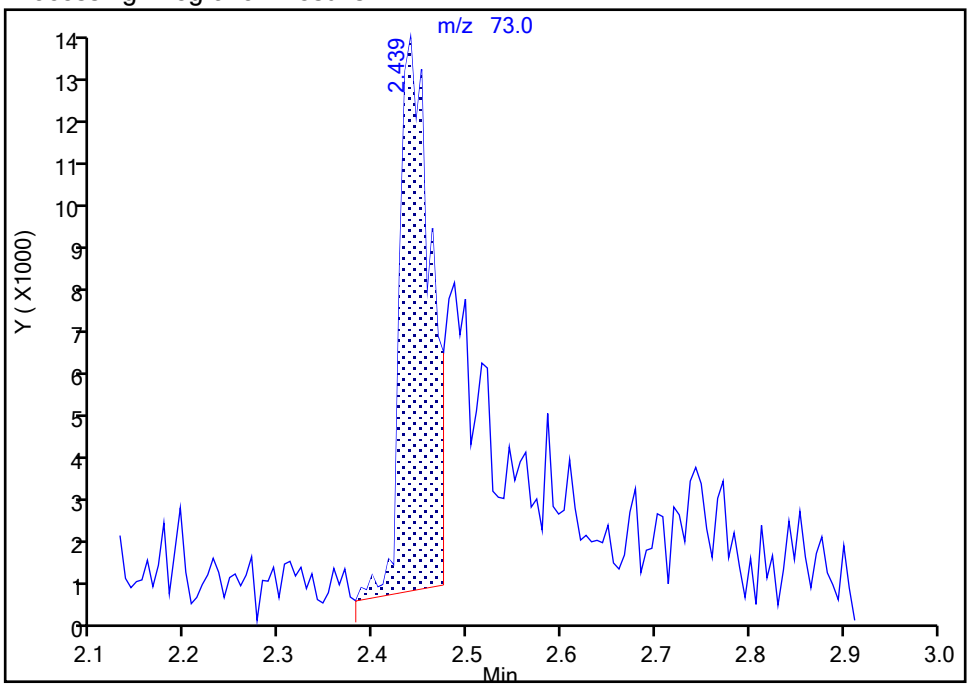
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1407.D				
Injection Date:	14-Apr-2025 13:28:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

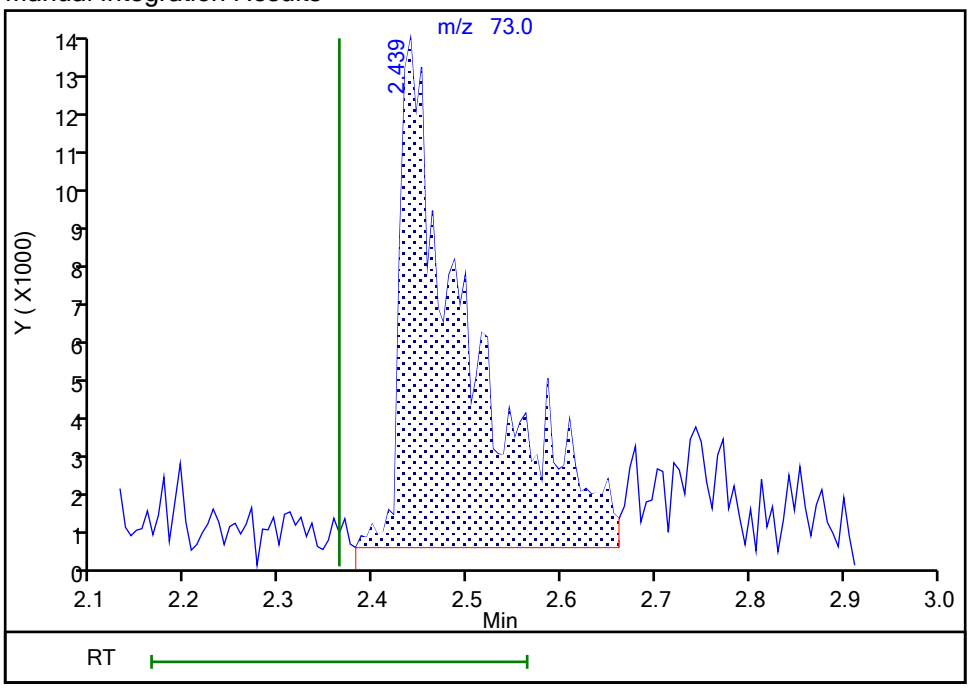
Processing Integration Results

RT: 2.44
Area: 27915
Amount: 0.723252
Amount Units: ug/ml



Manual Integration Results

RT: 2.44
Area: 63648
Amount: 1.301961
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:27:54 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Apr-2025 13:50:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0143944-008
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:13:58 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:33:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.791	1.779	0.012	61	33948	0.2500	0.7745	
2 N-Nitrosodimethylamine	74	2.042	2.007	0.035	63	11947	0.2500	0.2855	
3 Pyridine	79	2.095	2.054	0.041	94	32469	0.5000	0.4913	
4 Dimethylformamide	73		2.363				ND	ND	U
5 2-Picoline	93	2.702	2.667	0.035	28	15772	0.2500	0.2473	M
6 N-Nitrosomethylethylamine	88	2.743	2.737	0.006	17	17997	0.2500	0.6272	
7 Methyl methanesulfonate	80	3.017	3.017	0.000	75	9434	0.2500	0.2259	
$ 9 2-Fluorophenol	112	3.175	3.169	0.006	91	19029	0.5000	0.3717	
11 N-Nitrosodiethylamine	102	3.397	3.397	0.000	87	6765	0.2500	0.2646	M
12 Ethyl methanesulfonate	109	3.695	3.689	0.006	91	7095	0.2500	0.2568	
13 Benzaldehyde	77	4.022	4.016	0.006	86	15254	0.2500	0.2470	
$ 15 Phenol-d5	99	4.074	4.068	0.006	94	28174	0.5000	0.3893	
16 Phenol	94	4.086	4.080	0.006	93	14917	0.2500	0.2118	
17 Aniline	93	4.121	4.115	0.006	95	23773	0.2500	0.2450	
18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	88	13860	0.2500	0.2295	
19 2-Chlorophenol	128	4.232	4.232	0.000	89	12640	0.2500	0.2692	
21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	87	13318	0.2500	0.2452	
* 22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	97	180464	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	16272	0.2500	0.2799	
26 Benzyl alcohol	108	4.571	4.565	0.006	77	7979	0.2500	0.2279	
27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	84	12381	0.2500	0.2302	
29 2-Methylphenol	108	4.670	4.670	0.000	94	9424	0.2500	0.1985	
30 2,2'-oxybis[1-chloropropane]	45	4.699	4.693	0.006	88	18525	0.2500	0.2523	
31 N-Nitrosopyrrolidine	100	4.804	4.798	0.006	75	6674	0.2500	0.2283	
34 4-Methylphenol	108	4.822	4.822	0.000	64	12485	0.2500	0.2342	
32 Acetophenone	105	4.822	4.822	0.000	77	19371	0.2500	0.2180	
33 N-Nitrosodi-n-propylamine	70	4.816	4.822	-0.006	62	13534	0.2500	0.2460	
35 N-Nitrosomorpholine	56	4.839	4.839	0.000	82	10451	0.2500	0.2703	
36 2-Toluidine	106	4.851	4.851	0.000	93	21781	0.2500	0.2563	
37 Hexachloroethane	117	4.921	4.921	0.000	85	6890	0.2500	0.2590	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.968	4.968	0.000	83	39935	0.5000	0.4907	
40 Nitrobenzene	77	4.985	4.985	0.000	81	20670	0.2500	0.2589	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	6472	0.2500	0.2559	
42 Isophorone	82	5.213	5.213	0.000	95	29170	0.2500	0.2155	
43 2-Nitrophenol	139	5.295	5.289	0.006	34	5804	0.2500	0.2405	a
44 2,4-Dimethylphenol	107	5.335	5.330	0.005	89	12726	0.2500	0.2243	
46 o,o',o''-Triethylphosphorothioat	198	5.394	5.400	-0.006	82	5885	0.2500	0.2262	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	96	20112	0.2500	0.2499	
54 alpha,alpha-Dimethyl phenethylam	58	5.540	5.505	0.035	95	36501	0.2500	0.5537	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	91	8256	0.2500	0.2000	
50 1,2,4-Trichlorobenzene	180	5.604	5.598	0.006	91	12004	0.2500	0.2326	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	653036	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	95	34993	0.2500	0.2524	
55 Alpha-Terpineol	59	5.686	5.686	0.000	83	10570	0.2500	0.2075	
56 4-Chloroaniline	127	5.732	5.727	0.005	79	12810	0.2500	0.2220	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	82	9587	0.2500	0.2332	
58 Hexachloropropene	213	5.756	5.762	-0.006	89	9762	0.2500	0.2409	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	88	8964	0.2500	0.2259	
61 Quinoline	129	6.001	5.995	0.006	92	24565	0.2500	0.2714	
62 Caprolactam	113	6.054	6.048	0.006	51	2897	0.2500	0.2445	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	79	24694	0.2500	0.4270	
64 p-Phenylene diamine	108	6.089	6.071	0.018	28	7102	0.2500	0.1374	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	92	11772	0.2500	0.2299	
66 Safrole, Total	162	6.258	6.258	0.000	82	9482	0.2500	0.2626	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	92	18562	0.2500	0.2204	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	92	22357	0.2500	0.2512	
71 Hexachlorocyclopentadiene	237	6.486	6.486	0.000	90	10331	0.2500	0.2043	
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.497	0.000	94	15254	0.2500	0.2391	
S 24 Dinitrotoluene	165				0		0.5000	0.4731	
72 Isosafrole Peak 1	162	6.538	6.538	0.000	11	1821	0.0400	0.0452	a
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	80	5610	0.2500	0.1596	
80 2,4,5-Trichlorophenol	196	6.643	6.643	0.000	89	9199	0.2500	0.2247	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	98	57804	0.5000	0.4732	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	77	8024	0.2100	0.1788	
83 1,1'-Biphenyl	154	6.784	6.784	0.000	94	30844	0.2500	0.2486	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	90	22007	0.2500	0.2284	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	94	22981	0.2500	0.2442	
86 Phenyl ether	170	6.889	6.889	0.000	83	16025	0.2500	0.2264	
87 2-Nitroaniline	138	6.906	6.906	0.000	65	5066	0.2500	0.1782	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	79	10025	0.2500	0.2489	
89 1,4-Dinitrobenzene	168	7.040	7.040	0.000	59	3636	0.2500	0.2561	
90 Dimethyl phthalate	163	7.081	7.081	0.000	97	28228	0.2500	0.2432	
91 1,3-Dinitrobenzene	168	7.105	7.105	0.000	69	4299	0.2500	0.2583	
92 2,6-Dinitrotoluene	165	7.140	7.134	0.006	80	6738	0.2500	0.2653	
93 Acenaphthylene	152	7.198	7.198	0.000	98	33150	0.2500	0.2246	
95 3-Nitroaniline	138	7.297	7.297	0.000	79	3638	0.2500	0.1424	
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	94	423899	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	95	22579	0.2500	0.2216	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	80	32722	2.50	2.06	
100 4-Nitrophenol	109	7.467	7.461	0.006	82	27477	1.50	1.29	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	94	15592	0.2500	0.2785	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	85	7175	0.2500	0.2078	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.531	7.531	0.000	97	36832	0.2500	0.2539	
104 1-Naphthylamine	143	7.601	7.601	0.000	97	25983	0.2500	0.2785	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	69	8657	0.2500	0.2322	
106 2-Naphthylamine	143	7.683	7.677	0.006	93	21477	0.2500	0.2384	
107 Diethyl phthalate	149	7.753	7.759	-0.006	97	28044	0.2500	0.2351	
109 Thionazin	107	7.829	7.835	-0.006	73	5651	0.2500	0.2778	
108 Fluorene	166	7.852	7.852	0.000	89	25125	0.2500	0.2219	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	87	13150	0.2500	0.2238	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	64	8698	0.2500	0.3014	
112 4-Nitroaniline	138	7.875	7.875	0.000	50	5400	0.2500	0.2193	
113 4,6-Dinitro-2-methylphenol	198	7.899	7.905	-0.006	74	24966	1.50	1.06	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	64	20035	0.2125	0.2178	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	96	40157	0.2500	0.2418	
$ 116 2,4,6-Tribromophenol	330	8.080	8.086	-0.006	92	12829	0.5000	0.4928	
117 Sulfotepp	97	8.126	8.132	-0.006	72	6026	0.2500	0.2220	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	75	2359	0.2500	0.2382	a
120 cis-Diallate	86	8.249	8.249	0.000	59	14375	0.1850	0.2245	
119 Phorate	75	8.261	8.255	0.006	92	23270	0.2500	0.2318	
121 Phenacetin	108	8.267	8.267	0.000	84	12657	0.2500	0.2134	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	67	9174	0.2500	0.2297	M
123 trans-Diallate	86	8.331	8.337	-0.006	44	4970	0.0650	0.0774	Ma
124 Hexachlorobenzene	284	8.372	8.372	0.000	91	10845	0.2500	0.2171	
125 Dimethoate	87	8.418	8.418	0.000	95	11241	0.2500	0.2140	
126 Atrazine	200	8.483	8.489	-0.006	85	6534	0.2500	0.2018	
127 Pentachlorophenol	266	8.564	8.564	0.000	92	29585	1.25	1.03	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	87	28134	0.2500	0.2381	
128 Pentachloronitrobenzene	237	8.570	8.576	-0.006	51	5157	0.2500	0.2253	
130 Pronamide	173	8.634	8.634	0.000	87	11652	0.2500	0.2242	
* 131 Phenanthrene-d10	188	8.745	8.745	0.000	97	820547	5.00	5.00	
133 Dinoseb	211	8.745	8.745	0.000	60	5740	0.2500	0.1997	
134 Disulfoton	88	8.745	8.757	-0.012	93	29515	0.2500	0.3276	
132 Phenanthrene	178	8.769	8.769	0.000	93	38980	0.2500	0.2309	
135 Anthracene	178	8.815	8.816	-0.001	98	39232	0.2500	0.2323	
136 Carbazole	167	8.979	8.973	0.006	96	30742	0.2500	0.2120	
137 Methyl parathion	109	9.113	9.113	0.000	85	8587	0.2500	0.2126	
138 Di-n-butyl phthalate	149	9.318	9.324	-0.006	99	39311	0.2500	0.2227	
139 Ethyl Parathion	109	9.487	9.487	0.000	79	4807	0.2500	0.1951	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	74	2818	0.2500	0.2046	
S 68 Diallate	86				0		0.2500	0.3019	
142 Octachlorostyrene	308	9.715	9.721	-0.006	76	2882	0.2500	0.1498	
143 Isodrin	193	9.756	9.761	-0.005	79	6527	0.2500	0.2740	
144 Fluoranthene	202	9.902	9.902	0.000	97	45340	0.2500	0.2392	
145 Benzidine	184	10.042	10.042	0.000	99	55893	0.7500	0.5201	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	98	806600	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	97	51310	0.2500	0.2655	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	99	63855	0.5000	0.4874	
149 p-Dimethylamino azobenzene	225	10.421	10.421	0.000	86	5245	0.2500	0.2080	
150 Chlorobenzilate	139	10.474	10.474	0.000	85	10692	0.2500	0.2196	
151 Famphur	218		10.474				ND	ND	
152 3,3'-Dimethylbenzidine	212	10.777	10.777	0.000	97	18153	0.2500	0.2189	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	86	14860	0.2500	0.2114	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	88	8961	0.2500	0.1611	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.2500	0.2241	
157 3,3'-Dichlorobenzidine	252	11.391	11.391	-0.001	74	14595	0.2500	0.2156	
158 4,4'-Methylene bis(2-chloroanil	231	11.396	11.396	0.000	65	6625	0.2500	0.2098	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	97	34790	0.2500	0.2062	
159 Chrysene	228	11.443	11.443	0.000	92	38137	0.2500	0.2393	
160 Bis(2-ethylhexyl) phthalate	149	11.484	11.484	0.000	93	23702	0.2500	0.2373	
S 103 Aramite, Total	185		11.583				0.2500	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	93	23842	0.2500	0.2245	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	97	27002	0.2500	0.1771	
163 7,12-Dimethylbenz(a)anthracene	256	12.815	12.821	-0.006	69	15366	0.2500	0.2536	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	94	37012	0.2500	0.2356	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	98	39820	0.2500	0.2463	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	77	33465	0.2500	0.2249	
* 167 Perylene-d12	264	13.364	13.364	0.000	99	653641	5.00	5.00	
168 3-Methylcholanthrene	268	13.802	13.808	-0.006	89	22214	0.2500	0.3125	
169 Dibenz[a,h]acridine	279	14.596	14.596	0.000	90	26596	0.2500	0.2320	
170 Dibenz[a,j]acridine	279	14.666	14.666	0.000	94	28284	0.2500	0.2203	
171 Indeno[1,2,3-cd]pyrene	276	14.894	14.894	0.000	96	36583	0.2500	0.2448	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	92	29035	0.2500	0.2044	
173 Benzo[g,h,i]perylene	276	15.273	15.268	0.005	94	35417	0.2500	0.2319	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_2_00043 Amount Added: 1.00 Units: mL

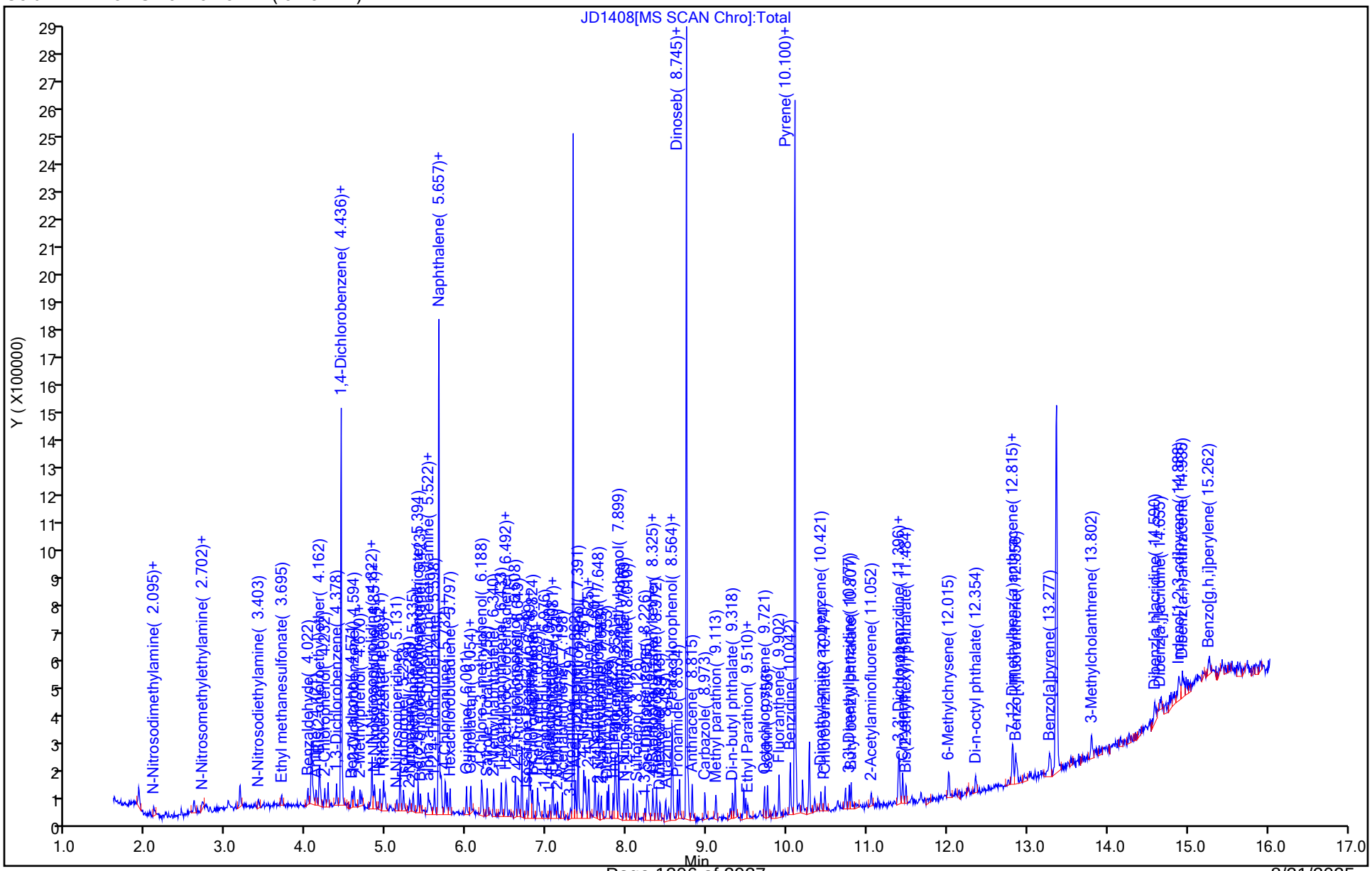
Report Date: 14-Apr-2025 19:14:03 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	IC L2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

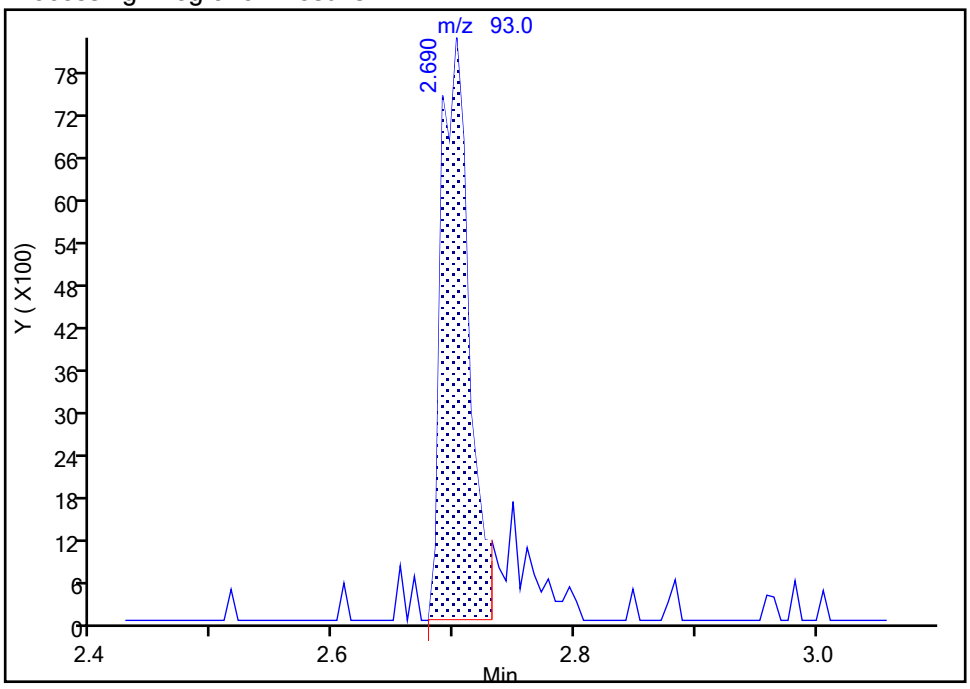
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Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

5 2-Picoline, CAS: 109-06-8

Signal: 1

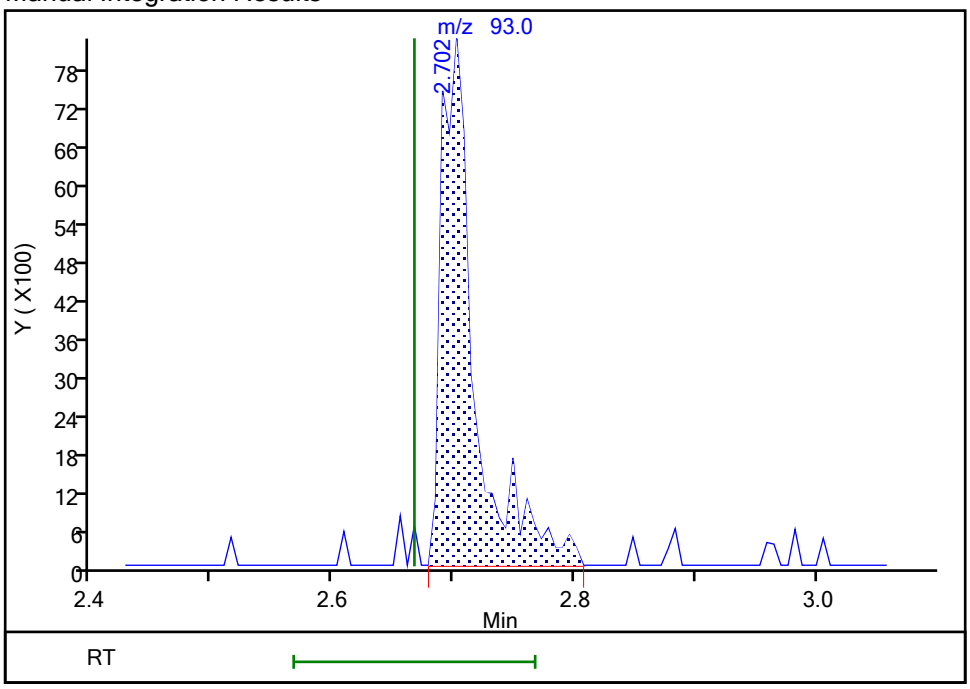
Processing Integration Results

RT: 2.69
Area: 12980
Amount: 0.208051
Amount Units: ug/ml



Manual Integration Results

RT: 2.70
Area: 15772
Amount: 0.247270
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:30:27 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

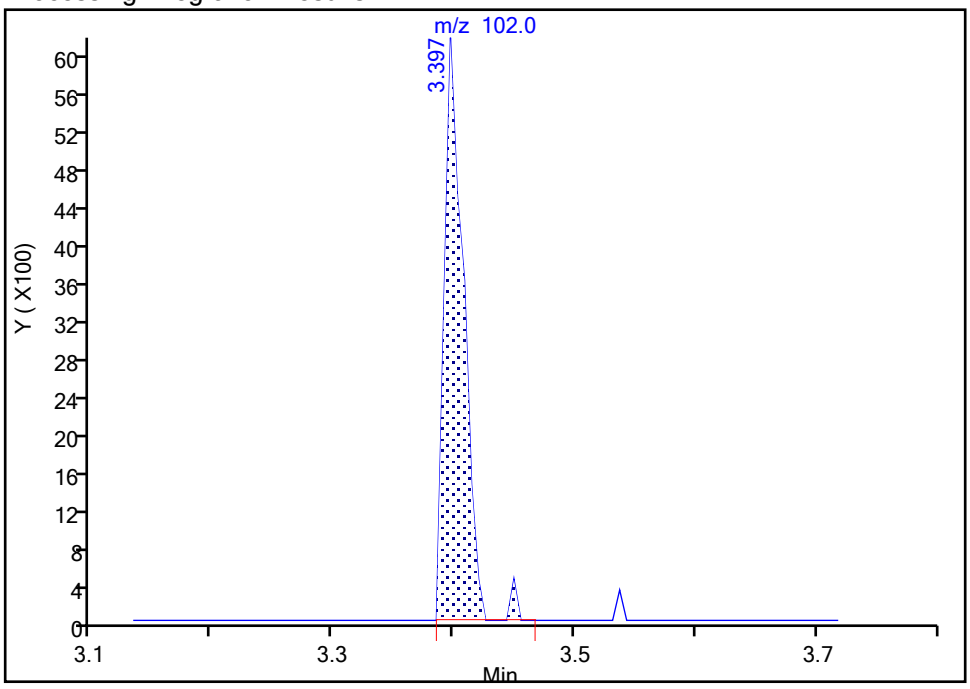
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Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

11 N-Nitrosodiethylamine, CAS: 55-18-5

Signal: 1

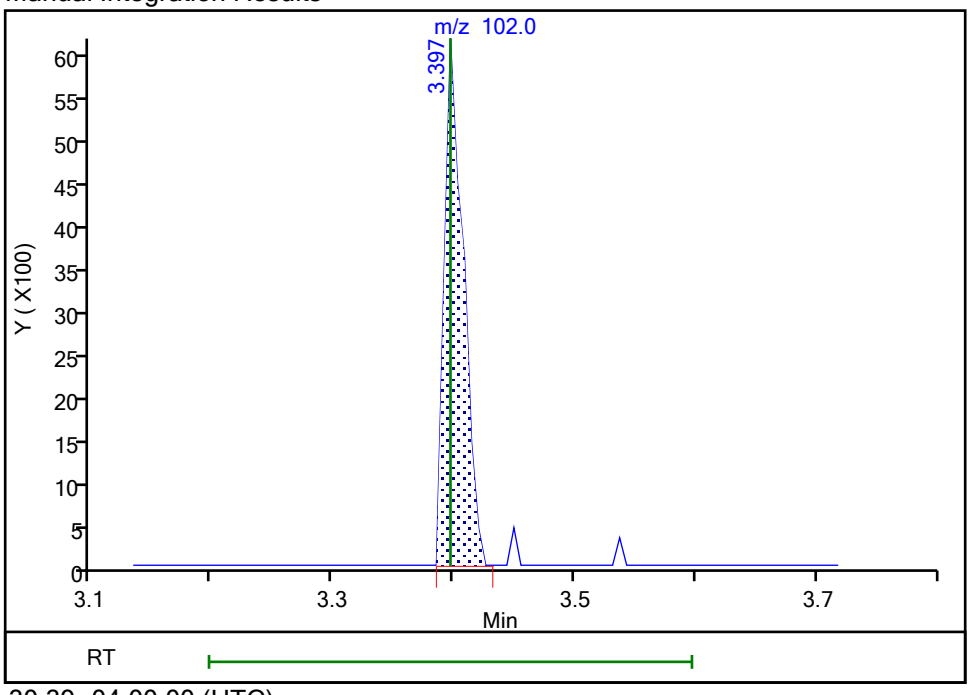
Processing Integration Results

RT: 3.40
Area: 6919
Amount: 0.269849
Amount Units: ug/ml



Manual Integration Results

RT: 3.40
Area: 6765
Amount: 0.264638
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:30:39 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

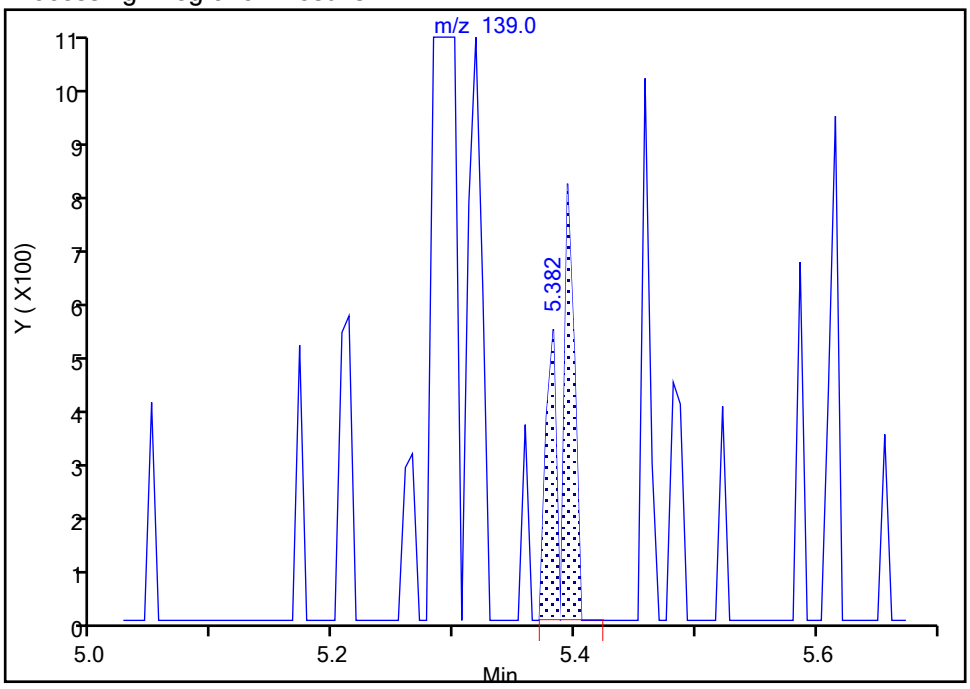
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

43 2-Nitrophenol, CAS: 88-75-5

Signal: 1

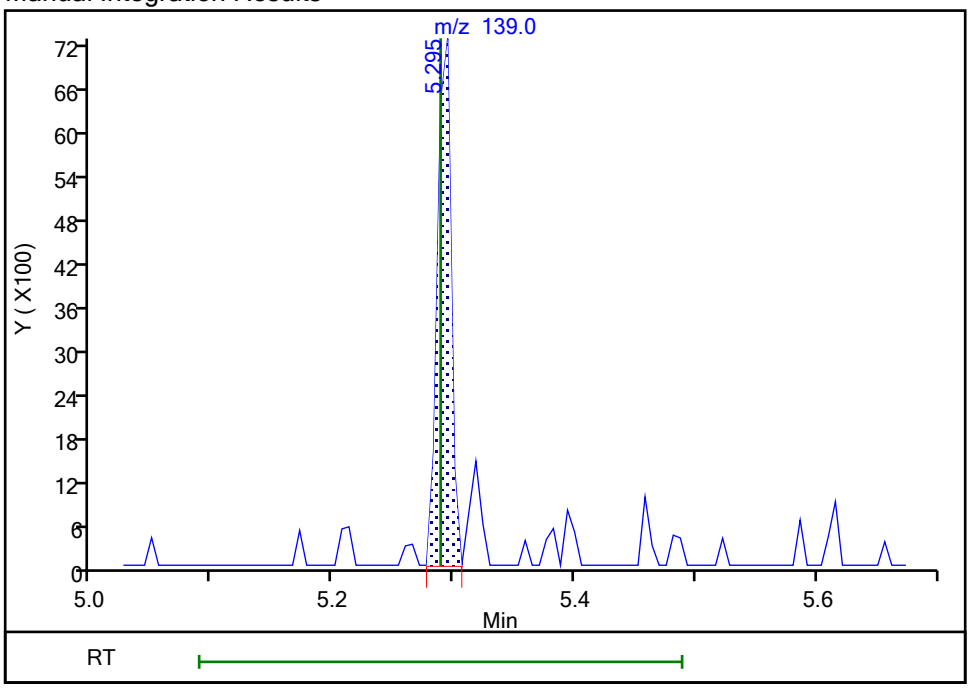
Processing Integration Results

RT: 5.38
Area: 732
Amount: 0.033893
Amount Units: ug/ml



Manual Integration Results

RT: 5.29
Area: 5804
Amount: 0.240499
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:31:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

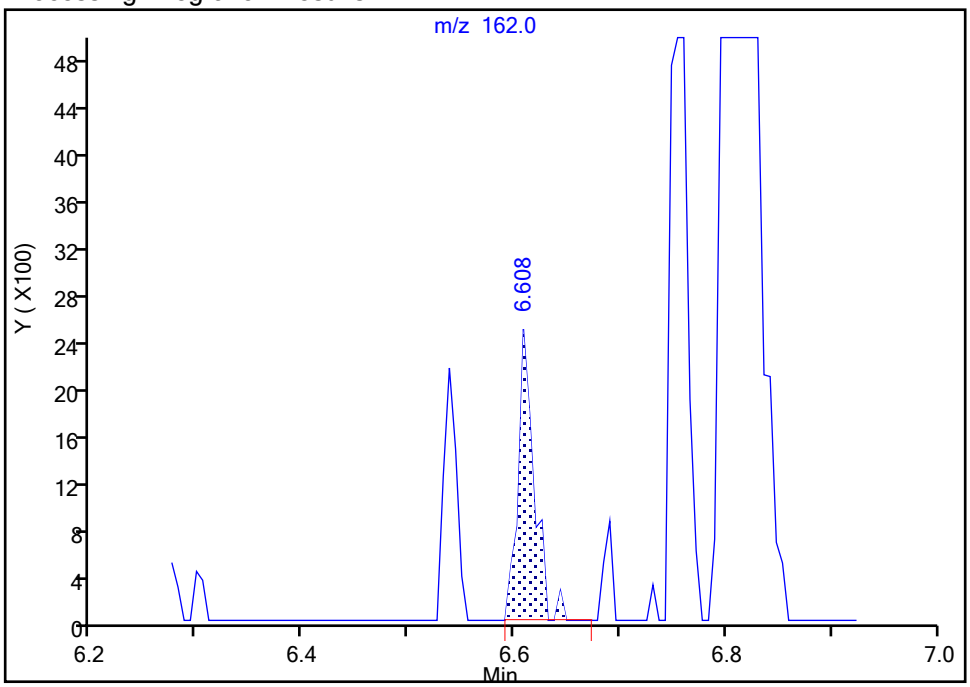
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

72 Isosafrole Peak 1, CAS: STL03315

Signal: 1

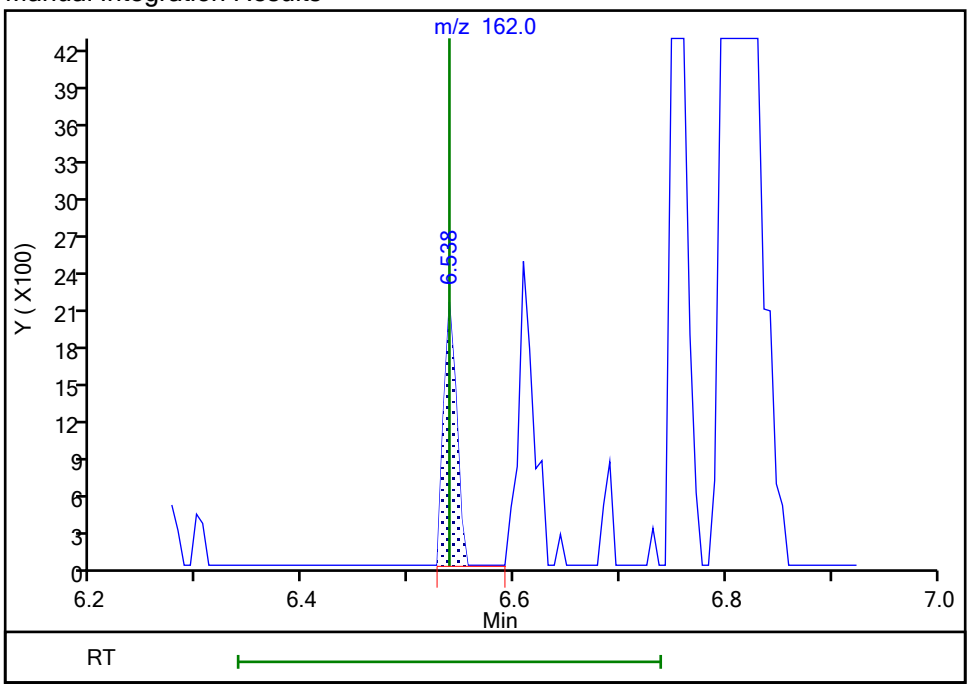
Processing Integration Results

RT: 6.61
Area: 2595
Amount: 0.050272
Amount Units: ug/ml



Manual Integration Results

RT: 6.54
Area: 1821
Amount: 0.045243
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:31:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

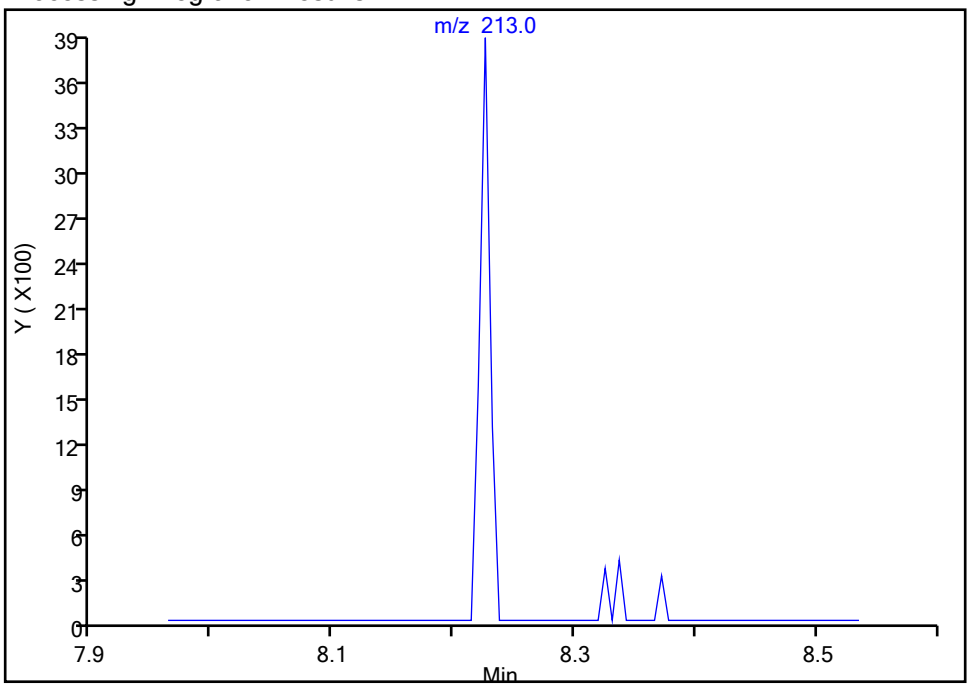
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

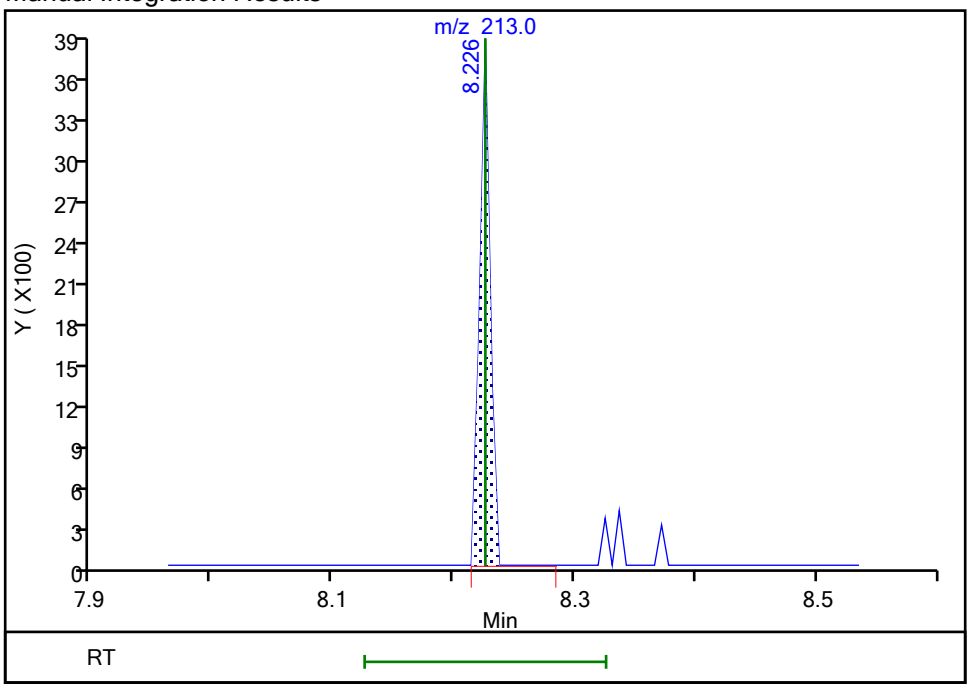
Not Detected
Expected RT: 8.23

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 2359
Amount: 0.238248
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:32:13 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

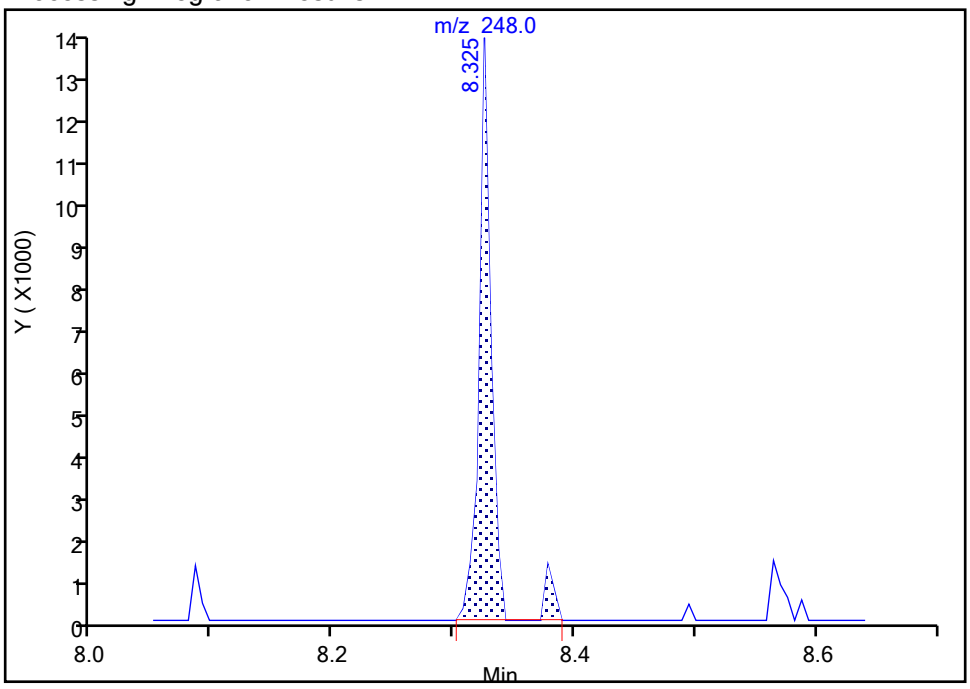
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

122 4-Bromophenyl phenyl ether, CAS: 101-55-3

Signal: 1

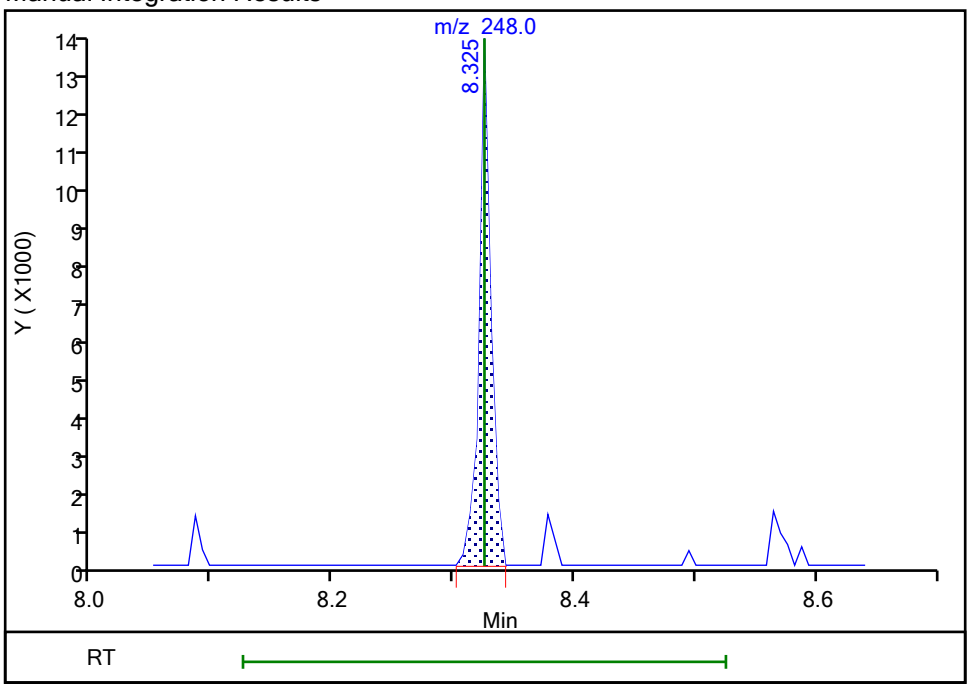
Processing Integration Results

RT: 8.33
Area: 9864
Amount: 0.244856
Amount Units: ug/ml



Manual Integration Results

RT: 8.33
Area: 9174
Amount: 0.229695
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:32:41 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

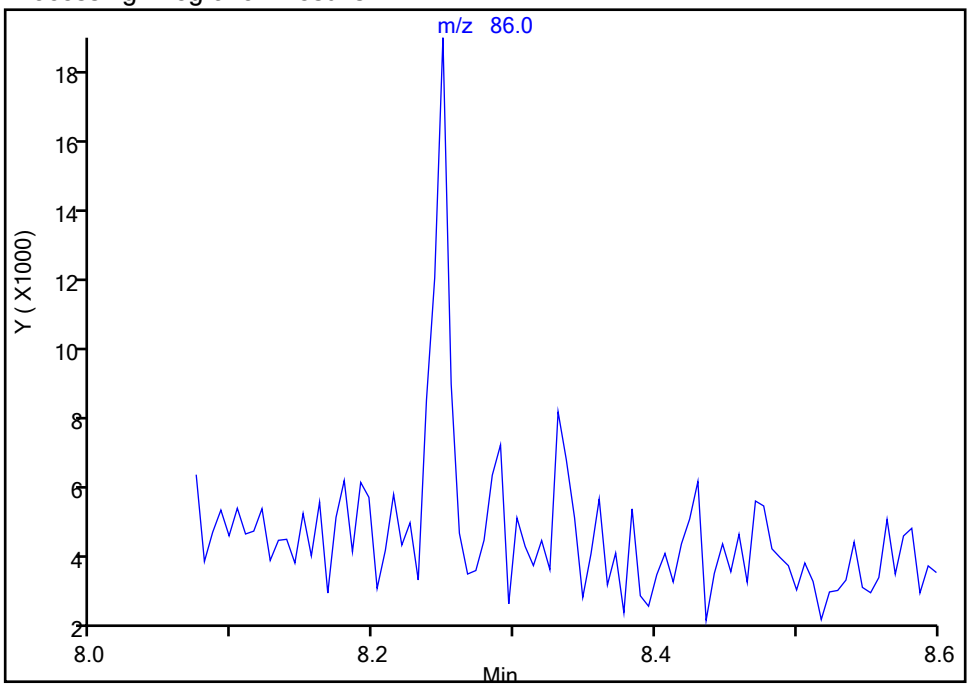
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

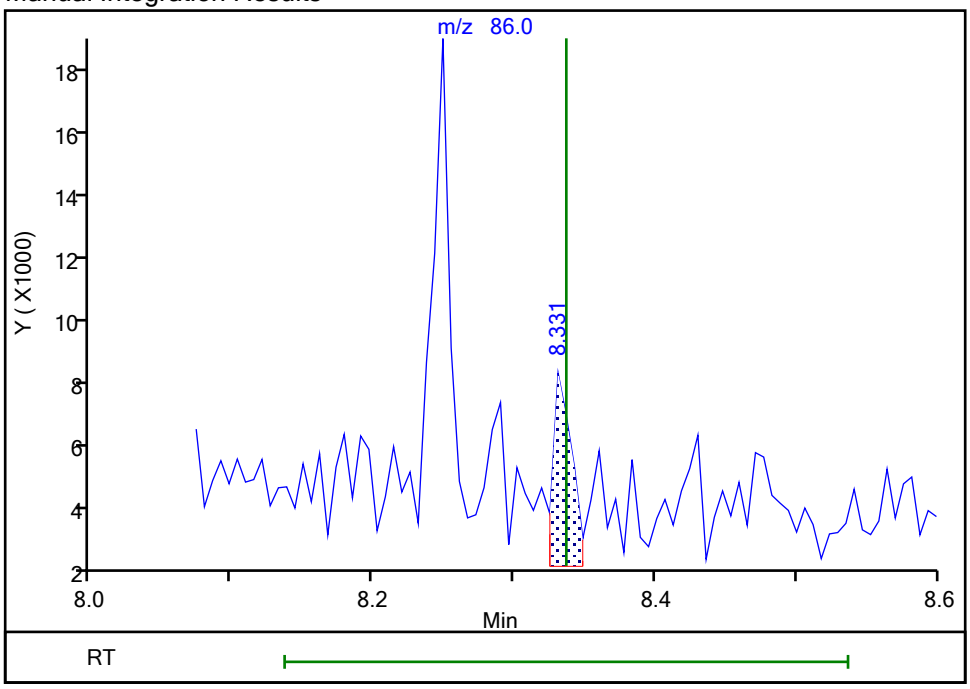
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.33
Area: 4970
Amount: 0.077448
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:32:25 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

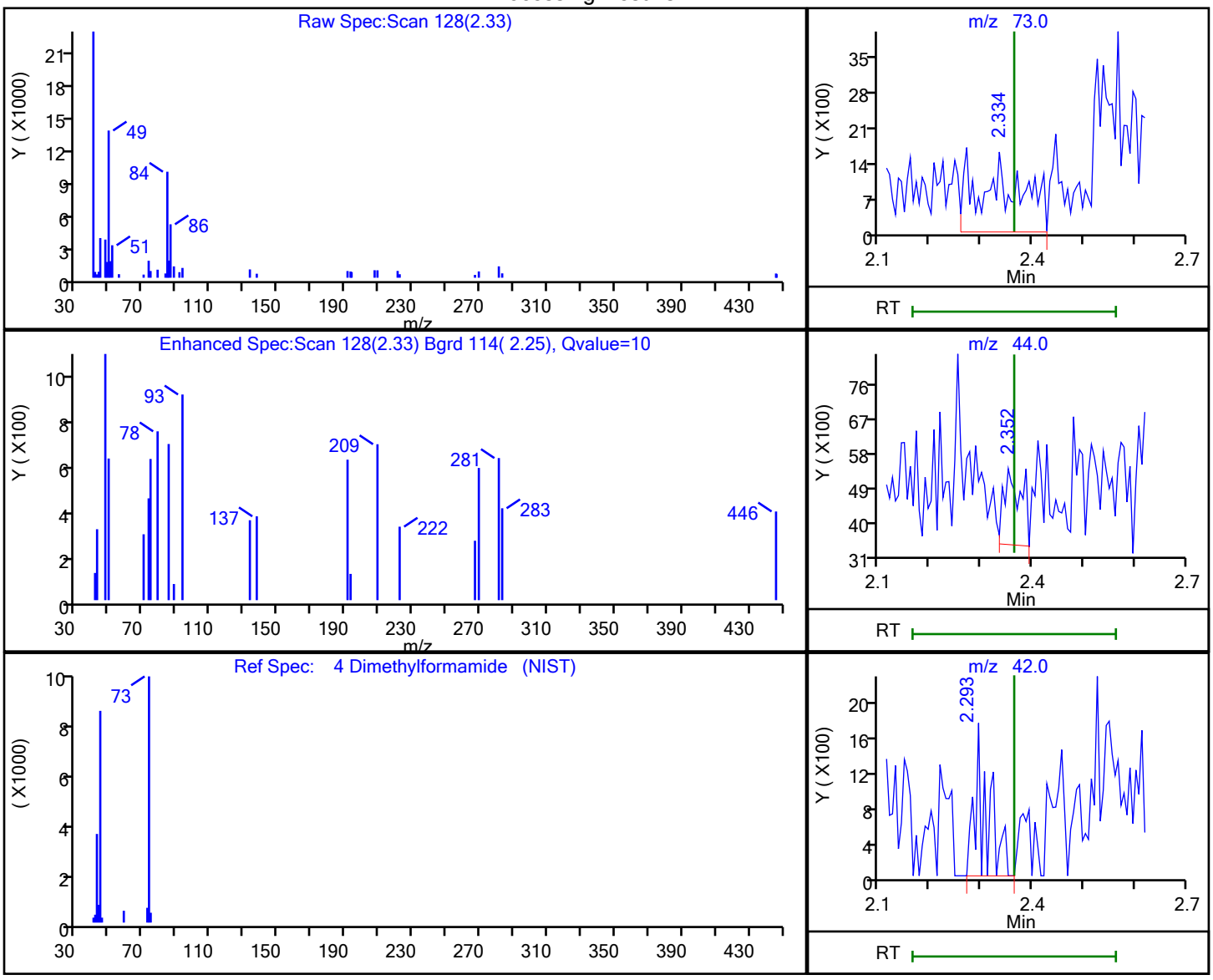
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1408.D				
Injection Date:	14-Apr-2025 13:50:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.33	73.00	8048	0.249257
2.35	44.00	4695	
2.29	42.00	2807	

Reviewer: N5QU, 14-Apr-2025 15:29:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Apr-2025 14:11:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0143944-009
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:14:56 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 15:37:54

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88		1.779				ND	ND	U
	2 N-Nitrosodimethylamine	74	2.060	2.007	0.053	55	6400	0.1250	0.1220	
	3 Pyridine	79	2.112	2.054	0.058	86	20608	0.2500	0.2488	
	4 Dimethylformamide	73		2.363				ND	ND	U
	5 2-Picoline	93	2.702	2.667	0.035	46	10049	0.1250	0.1257	
	6 N-Nitrosomethylethylamine	88		2.737				ND	ND	U
	7 Methyl methanesulfonate	80	3.029	3.017	0.012	51	7865	0.1250	0.1503	
$	9 2-Fluorophenol	112	3.175	3.169	0.006	88	16502	0.2500	0.2572	
	11 N-Nitrosodiethylamine	102	3.403	3.397	0.006	24	4521	0.1250	0.1411	
	12 Ethyl methanesulfonate	109	3.695	3.689	0.006	85	4434	0.1250	0.1281	
	13 Benzaldehyde	77	4.022	4.016	0.006	82	12004	0.1250	0.1551	
$	15 Phenol-d5	99	4.074	4.068	0.006	92	18648	0.2500	0.2056	
	16 Phenol	94	4.092	4.080	0.012	88	9058	0.1250	0.1026	
	17 Aniline	93	4.127	4.115	0.012	91	14342	0.1250	0.1180	
	18 Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	89	8953	0.1250	0.1183	
	19 2-Chlorophenol	128	4.232	4.232	0.000	74	6527	0.1250	0.1109	
	21 1,3-Dichlorobenzene	146	4.378	4.378	0.000	85	8510	0.1250	0.1250	
*	22 1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	97	226180	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.454	4.454	0.000	80	10045	0.1250	0.1378	
	26 Benzyl alcohol	108	4.571	4.565	0.006	75	5554	0.1250	0.1265	
	27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	89	9256	0.1250	0.1373	
	29 2-Methylphenol	108	4.670	4.670	0.000	58	6924	0.1250	0.1163	
	30 2,2'-oxybis[1-chloropropane]	45	4.699	4.693	0.006	86	10051	0.1250	0.1092	
	31 N-Nitrosopyrrolidine	100	4.804	4.798	0.006	89	4968	0.1250	0.1356	
	34 4-Methylphenol	108	4.822	4.822	0.000	57	9392	0.1250	0.1406	
	32 Acetophenone	105	4.822	4.822	0.000	78	13660	0.1250	0.1227	
	33 N-Nitrosodi-n-propylamine	70	4.822	4.822	0.000	66	8988	0.1250	0.1304	
	35 N-Nitrosomorpholine	56	4.845	4.839	0.006	43	6987	0.1250	0.1442	
	36 2-Toluidine	106	4.851	4.851	0.000	89	13519	0.1250	0.1269	
	37 Hexachloroethane	117	4.921	4.921	0.000	79	4482	0.1250	0.1344	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.968	4.968	0.000	89	25527	0.2500	0.2495	
40 Nitrobenzene	77	4.985	4.985	0.000	86	12649	0.1250	0.1260	
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	78	4293	0.1250	0.1350	
42 Isophorone	82	5.213	5.213	0.000	96	21260	0.1250	0.1249	
43 2-Nitrophenol	139	5.295	5.289	0.006	42	3357	0.1250	0.1106	
44 2,4-Dimethylphenol	107	5.336	5.330	0.006	87	7321	0.1250	0.1026	
46 o,o',o''-Triethylphosphorothioat	198	5.394	5.400	-0.006	85	6314	0.1250	0.1930	
47 Bis(2-chloroethoxy)methane	93	5.423	5.423	0.000	73	12391	0.1250	0.1225	
54 alpha,alpha-Dimethyl phenethylam	58	5.540	5.505	0.035	96	20280	0.1250	0.2447	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	85	6703	0.1250	0.1292	
50 1,2,4-Trichlorobenzene	180	5.598	5.598	0.000	84	7784	0.1250	0.1200	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	99	821100	5.00	5.00	
53 Naphthalene	128	5.674	5.674	0.000	94	21642	0.1250	0.1241	
55 Alpha-Terpineol	59	5.686	5.686	0.000	45	8463	0.1250	0.1321	
56 4-Chloroaniline	127	5.733	5.727	0.006	84	7775	0.1250	0.1072	
57 2,6-Dichlorophenol	162	5.733	5.738	-0.005	78	6009	0.1250	0.1162	
58 Hexachloropropene	213	5.762	5.762	0.000	77	5286	0.1250	0.1037	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	86	7292	0.1250	0.1461	
61 Quinoline	129	6.001	5.995	0.006	91	14452	0.1250	0.1270	
62 Caprolactam	113	6.054	6.048	0.006	48	1877	0.1250	0.1260	
63 N-Nitrosodi-n-butylamine	84	6.054	6.054	0.000	83	21759	0.1250	0.2992	
64 p-Phenylene diamine	108	6.089	6.071	0.018	1	2781	0.1250	0.0428	
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	84	8452	0.1250	0.1313	
66 Safrole, Total	162	6.258	6.258	0.000	84	5926	0.1250	0.1305	
67 2-Methylnaphthalene	142	6.340	6.340	0.000	92	14449	0.1250	0.1365	
69 1-Methylnaphthalene	142	6.433	6.433	0.000	94	15255	0.1250	0.1363	
71 Hexachlorocyclopentadiene	237	6.492	6.486	0.006	59	6472	0.1250	0.1092	
70 1,2,4,5-Tetrachlorobenzene	216	6.498	6.497	0.001	91	9443	0.1250	0.1263	
S 24 Dinitrotoluene	165				0		0.2500	0.2073	
72 Isosafrole Peak 1	162	6.533	6.538	-0.005	1	675	0.0200	0.0143	a
79 2,4,6-Trichlorophenol	196	6.608	6.608	0.000	79	4402	0.1250	0.1069	
80 2,4,5-Trichlorophenol	196	6.649	6.643	0.006	72	3713	0.1250	0.0774	
$ 81 2-Fluorobiphenyl (Surr)	172	6.690	6.690	0.000	97	33023	0.2500	0.2307	
82 Isosafrole Peak 2	162	6.754	6.754	0.000	80	6140	0.1050	0.1168	
83 1,1'-Biphenyl	154	6.784	6.784	0.000	93	16853	0.1250	0.1159	
84 2-Chloronaphthalene	162	6.801	6.801	0.000	89	14433	0.1250	0.1278	
85 1-Chloronaphthalene	162	6.824	6.824	0.000	93	16313	0.1250	0.1479	
86 Phenyl ether	170	6.889	6.889	0.000	81	9839	0.1250	0.1186	
87 2-Nitroaniline	138	6.906	6.906	0.000	41	4326	0.1250	0.1299	
88 1,4-Naphthoquinone	158	6.976	6.976	0.000	91	6672	0.1250	0.1414	
89 1,4-Dinitrobenzene	168	7.035	7.040	-0.005	14	1627	0.1250	0.0978	
90 Dimethyl phthalate	163	7.081	7.081	0.000	94	16355	0.1250	0.1203	
91 1,3-Dinitrobenzene	168	7.111	7.105	0.006	50	2090	0.1250	0.1072	
92 2,6-Dinitrotoluene	165	7.134	7.134	0.000	21	2964	0.1250	0.0996	a
93 Acenaphthylene	152	7.198	7.198	0.000	98	21342	0.1250	0.1234	
95 3-Nitroaniline	138	7.297	7.297	0.000	32	4193	0.1250	0.1401	a
* 96 Acenaphthene-d10	164	7.332	7.332	0.000	95	496721	5.00	5.00	
97 Acenaphthene	153	7.362	7.362	0.000	95	15563	0.1250	0.1304	
98 2,4-Dinitrophenol	184	7.397	7.397	0.000	74	16281	1.25	0.8735	
100 4-Nitrophenol	109	7.467	7.461	0.006	90	14913	0.7500	0.5956	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	82	8051	0.1250	0.1227	
102 2,4-Dinitrotoluene	165	7.519	7.519	0.000	59	4358	0.1250	0.1077	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.525	7.531	-0.006	92	19647	0.1250	0.1156	
104 1-Naphthylamine	143	7.601	7.601	0.000	94	13838	0.1250	0.1266	
105 2,3,4,6-Tetrachlorophenol	232	7.642	7.648	-0.006	72	5803	0.1250	0.1329	
106 2-Naphthylamine	143	7.683	7.677	0.006	86	11312	0.1250	0.1072	
107 Diethyl phthalate	149	7.753	7.759	-0.006	95	17638	0.1250	0.1262	
109 Thionazin	107	7.829	7.835	-0.006	51	3117	0.1250	0.1308	
108 Fluorene	166	7.852	7.852	0.000	95	18375	0.1250	0.1385	
110 4-Chlorophenyl phenyl ether	204	7.858	7.858	0.000	87	9101	0.1250	0.1322	
111 N-Nitro-o-toluidine	152	7.870	7.870	0.000	56	4692	0.1250	0.1387	
112 4-Nitroaniline	138	7.876	7.875	0.001	42	1999	0.1250	0.0693	
113 4,6-Dinitro-2-methylphenol	198	7.899	7.905	-0.006	63	13246	0.7500	0.4648	
114 N-Nitrosodiphenylamine	169	7.969	7.969	0.000	65	10847	0.1063	0.0972	
115 1,2-Diphenylhydrazine	77	8.010	8.010	0.000	98	24989	0.1250	0.1241	
$ 116 2,4,6-Tribromophenol	330	8.080	8.086	-0.006	84	6227	0.2500	0.2041	
117 Sulfotepp	97	8.127	8.132	-0.005	71	4830	0.1250	0.1467	
118 1,3,5-Trinitrobenzene	213	8.226	8.226	0.000	66	958	0.1250	0.0798	
120 cis-Diallate	86	8.249	8.249	0.000	56	8887	0.0925	0.1145	
119 Phorate	75	8.255	8.255	0.000	92	16720	0.1250	0.1374	
121 Phenacetin	108	8.267	8.267	0.000	80	7914	0.1250	0.1101	
122 4-Bromophenyl phenyl ether	248	8.325	8.325	0.000	62	7052	0.1250	0.1456	
123 trans-Diallate	86		8.337				ND	ND	
124 Hexachlorobenzene	284	8.372	8.372	0.000	91	8666	0.1250	0.1431	
125 Dimethoate	87	8.413	8.418	-0.005	41	7178	0.1250	0.1127	a
126 Atrazine	200	8.483	8.489	-0.006	76	4195	0.1250	0.1068	
127 Pentachlorophenol	266	8.565	8.564	0.001	89	18258	0.6250	0.5223	
129 4-Aminobiphenyl	169	8.570	8.570	0.000	87	16600	0.1250	0.1159	
128 Pentachloronitrobenzene	237	8.570	8.576	-0.006	51	4192	0.1250	0.1511	
130 Pronamide	173	8.629	8.634	-0.005	85	7229	0.1250	0.1147	
* 131 Phenanthrene-d10	188	8.746	8.745	0.001	97	994797	5.00	5.00	
133 Dinoseb	211	8.740	8.745	-0.005	60	2967	0.1250	0.0851	
134 Disulfoton	88	8.746	8.757	-0.011	55	26992	0.1250	0.2471	
132 Phenanthrene	178	8.769	8.769	0.000	95	24921	0.1250	0.1218	
135 Anthracene	178	8.816	8.816	0.000	94	22691	0.1250	0.1108	
136 Carbazole	167	8.973	8.973	0.000	95	18526	0.1250	0.1054	
137 Methyl parathion	109	9.113	9.113	0.000	80	5693	0.1250	0.1163	
138 Di-n-butyl phthalate	149	9.318	9.324	-0.006	98	23478	0.1250	0.1097	
139 Ethyl Parathion	109	9.487	9.487	0.000	8	4040	0.1250	0.1352	
140 4-Nitroquinoline-1-oxide	190	9.510	9.510	0.000	37	2474	0.1250	0.1481	
S 68 Diallate	86				0		0.1250	0.1145	
142 Octachlorostyrene	308	9.721	9.721	0.000	74	1962	0.1250	0.0841	
143 Isodrin	193	9.762	9.761	0.001	82	4143	0.1250	0.1435	
144 Fluoranthene	202	9.902	9.902	0.000	97	30176	0.1250	0.1313	
145 Benzidine	184	10.042	10.042	0.000	98	34360	0.3750	0.2615	
* 146 Pyrene-d10 (IS)	212	10.100	10.100	0.000	98	986084	5.00	5.00	
147 Pyrene	202	10.118	10.118	0.000	96	26945	0.1250	0.1141	
$ 148 p-Terphenyl-d14	244	10.281	10.281	0.000	98	38013	0.2500	0.2373	
149 p-Dimethylamino azobenzene	225	10.427	10.421	0.006	84	3314	0.1250	0.1075	
150 Chlorobenzilate	139	10.468	10.474	-0.006	79	6312	0.1250	0.1060	
151 Famphur	218		10.474				ND	ND	
152 3,3'-Dimethylbenzidine	212	10.778	10.777	0.001	97	11473	0.1250	0.1132	
153 Butyl benzyl phthalate	149	10.801	10.801	0.000	95	9739	0.1250	0.1133	
155 2-Acetylaminofluorene	181	11.052	11.052	0.000	32	5078	0.1250	0.0747	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.1250	0.1311	
157 3,3'-Dichlorobenzidine	252	11.391	11.391	0.000	53	8464	0.1250	0.1023	
158 4,4'-Methylene bis(2-chloroanil	231	11.402	11.396	0.006	62	5473	0.1250	0.1418	
156 Benzo[a]anthracene	228	11.402	11.402	0.000	96	23456	0.1250	0.1137	
159 Chrysene	228	11.443	11.443	0.000	94	19363	0.1250	0.0994	
160 Bis(2-ethylhexyl) phthalate	149	11.484	11.484	0.000	92	12731	0.1250	0.1043	
S 103 Aramite, Total	185		11.583				0.1250	ND	
161 6-Methylchrysene	242	12.021	12.021	0.000	92	13968	0.1250	0.1076	
162 Di-n-octyl phthalate	149	12.360	12.360	0.000	95	17303	0.1250	0.1020	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.821	0.000	69	7769	0.1250	0.1152	
164 Benzo[b]fluoranthene	252	12.821	12.821	0.000	94	19924	0.1250	0.1140	
165 Benzo[k]fluoranthene	252	12.856	12.856	0.000	97	22942	0.1250	0.1275	
166 Benzo[a]pyrene	252	13.282	13.282	0.000	78	19769	0.1250	0.1194	
* 167 Perylene-d12	264	13.364	13.364	0.000	99	727332	5.00	5.00	
168 3-Methylcholanthrene	268	13.802	13.808	-0.006	6	9518	0.1250	0.1203	
169 Dibenz[a,h]acridine	279	14.596	14.596	0.000	88	16581	0.1250	0.1300	
170 Dibenz[a,j]acridine	279	14.666	14.666	0.000	86	15772	0.1250	0.1104	
171 Indeno[1,2,3-cd]pyrene	276	14.894	14.894	0.000	95	18673	0.1250	0.1123	
172 Dibenz(a,h)anthracene	278	14.935	14.935	0.000	88	15482	0.1250	0.0979	
173 Benzo[g,h,i]perylene	276	15.256	15.268	-0.012	53	20037	0.1250	0.1179	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_1_00042 Amount Added: 1.00 Units: mL

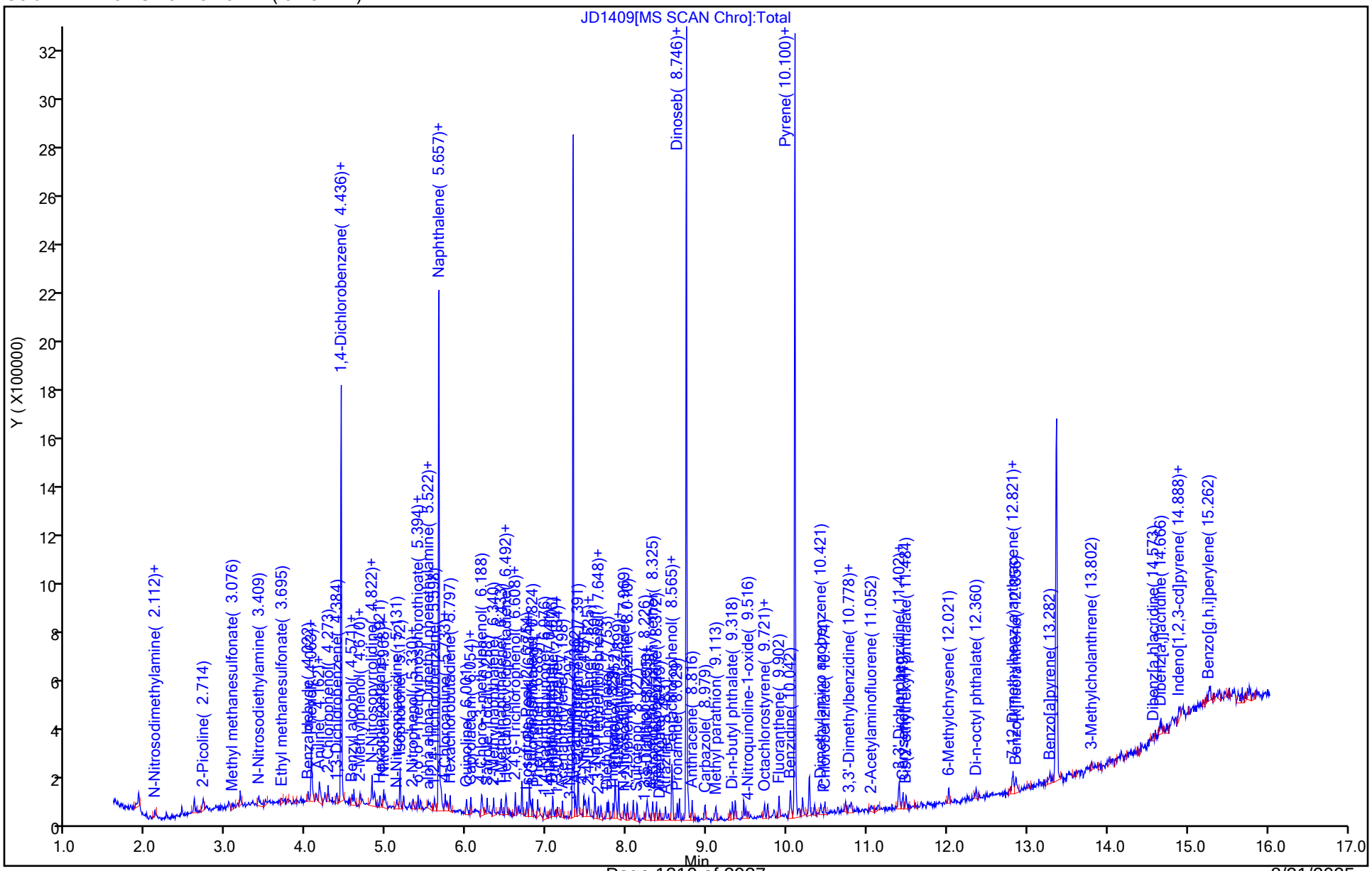
Report Date: 14-Apr-2025 19:15:01 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

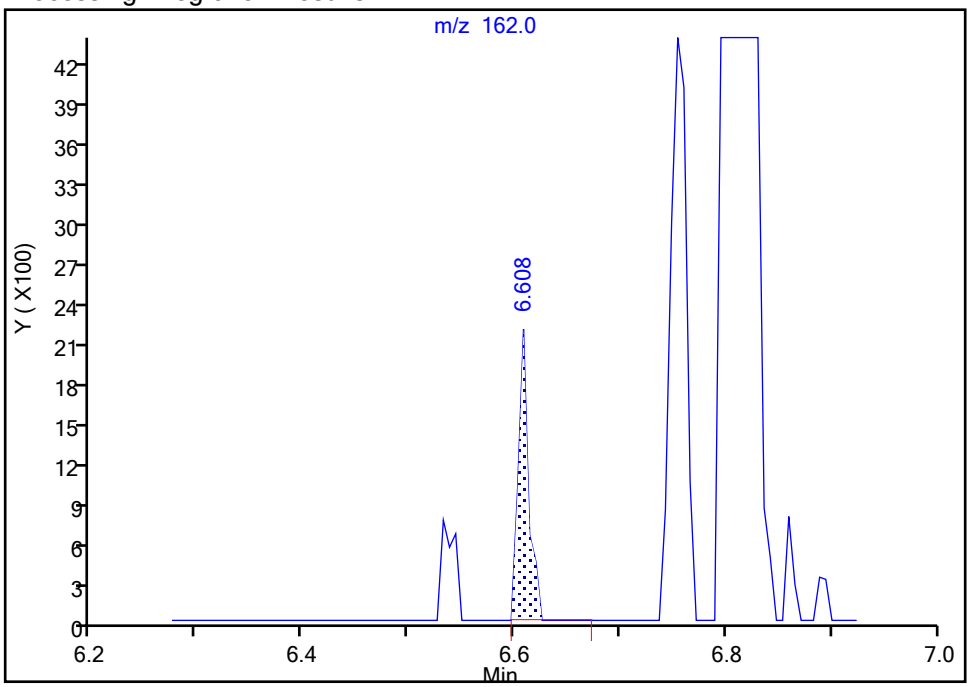
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Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

72 Isosafrole Peak 1, CAS: STL03315

Signal: 1

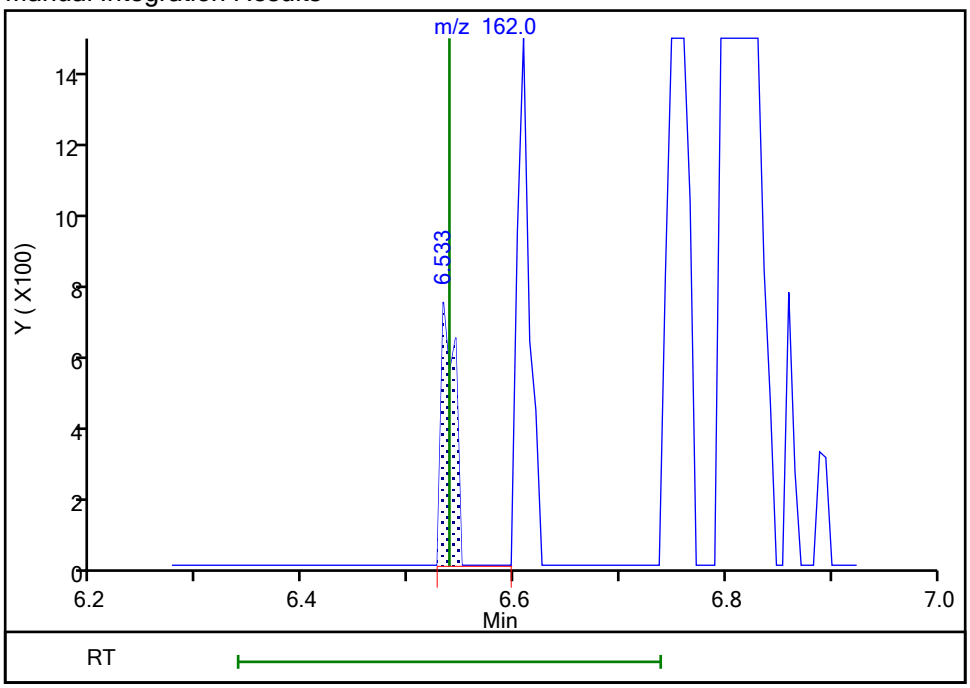
Processing Integration Results

RT: 6.61
Area: 1460
Amount: 0.028039
Amount Units: ug/ml



Manual Integration Results

RT: 6.53
Area: 675
Amount: 0.014312
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:35:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

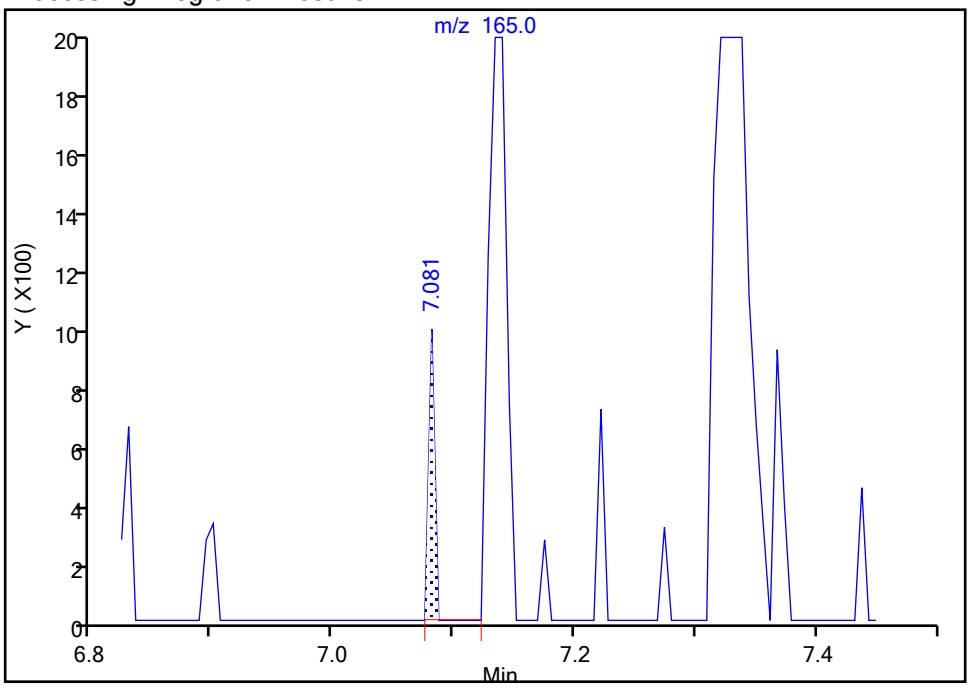
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Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Signal: 1

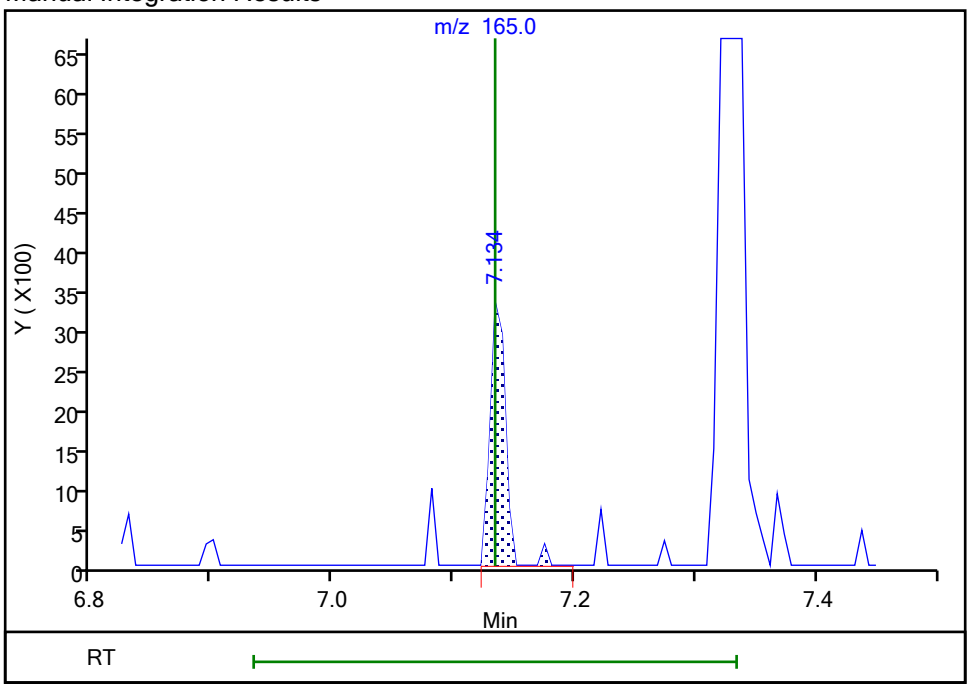
Processing Integration Results

RT: 7.08
Area: 341
Amount: 0.012564
Amount Units: ug/ml



Manual Integration Results

RT: 7.13
Area: 2964
Amount: 0.099586
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:35:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

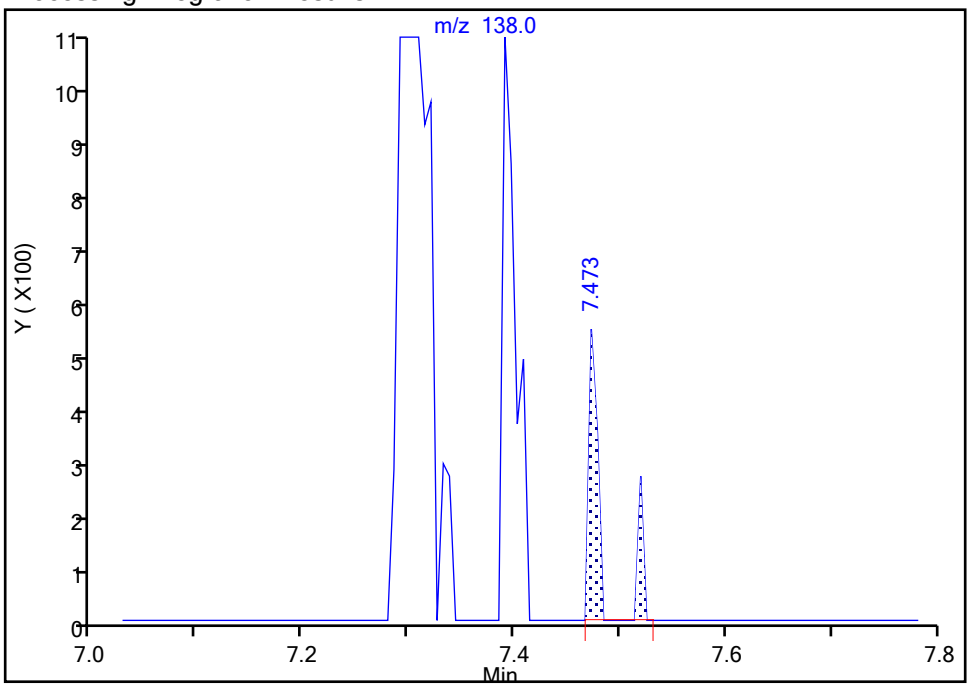
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Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

95 3-Nitroaniline, CAS: 99-09-2

Signal: 1

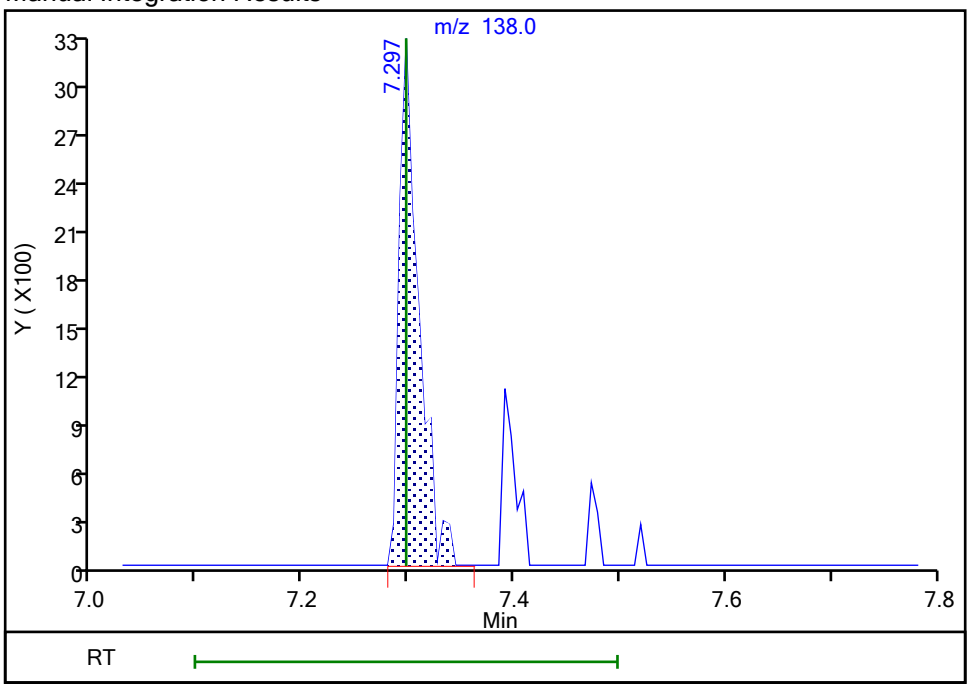
Processing Integration Results

RT: 7.47
Area: 384
Amount: 0.125105
Amount Units: ug/ml



Manual Integration Results

RT: 7.30
Area: 4193
Amount: 0.140063
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:36:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

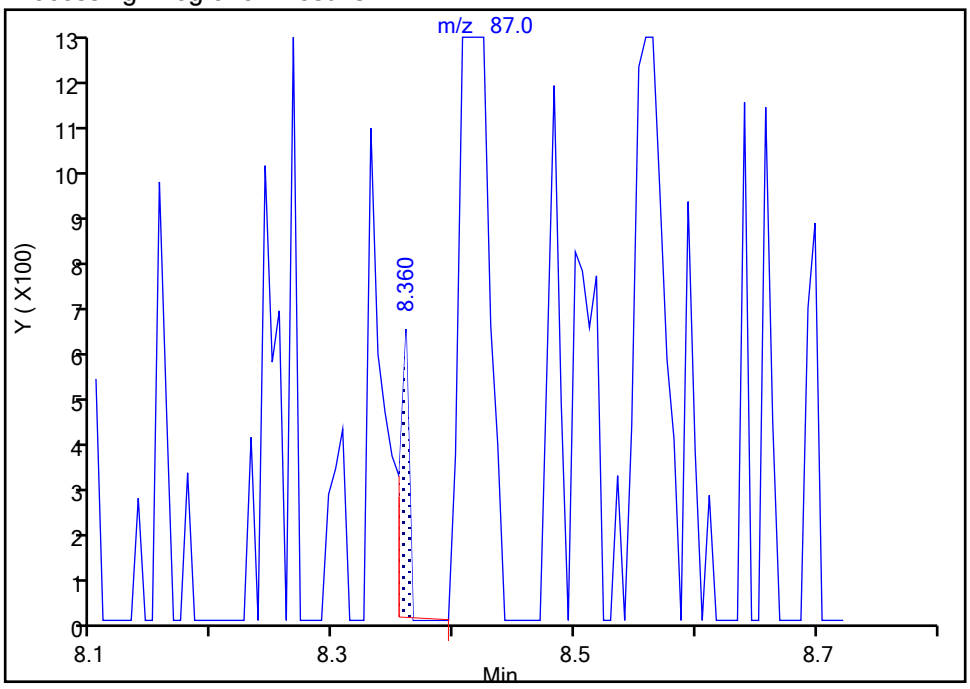
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Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

125 Dimethoate, CAS: 60-51-5

Signal: 1

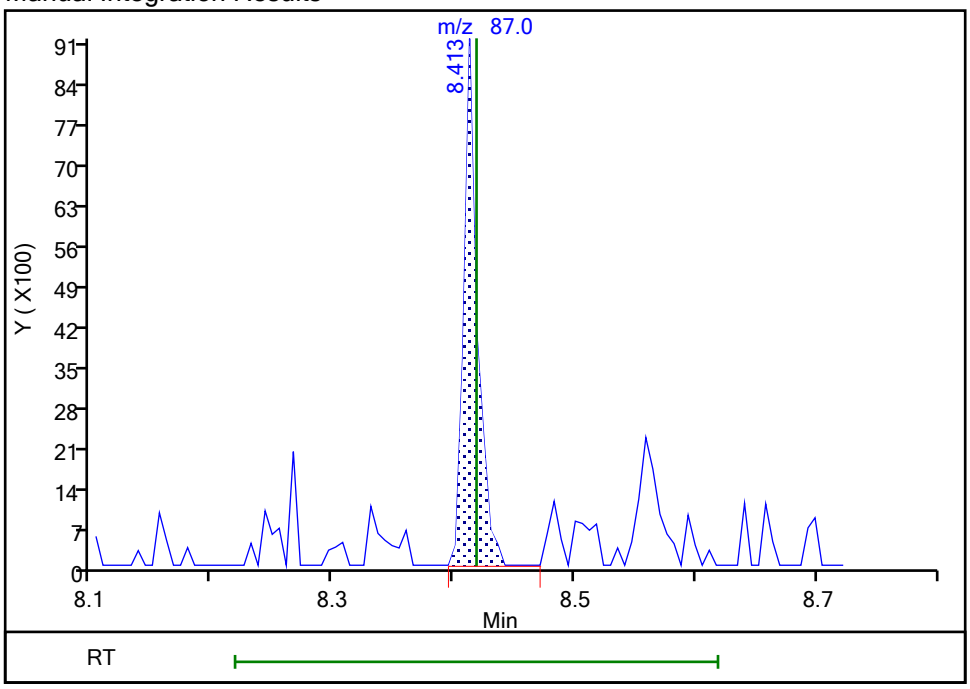
Processing Integration Results

RT: 8.36
Area: 262
Amount: 0.107024
Amount Units: ug/ml



Manual Integration Results

RT: 8.41
Area: 7178
Amount: 0.112712
Amount Units: ug/ml



Reviewer: N5QU, 14-Apr-2025 15:36:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

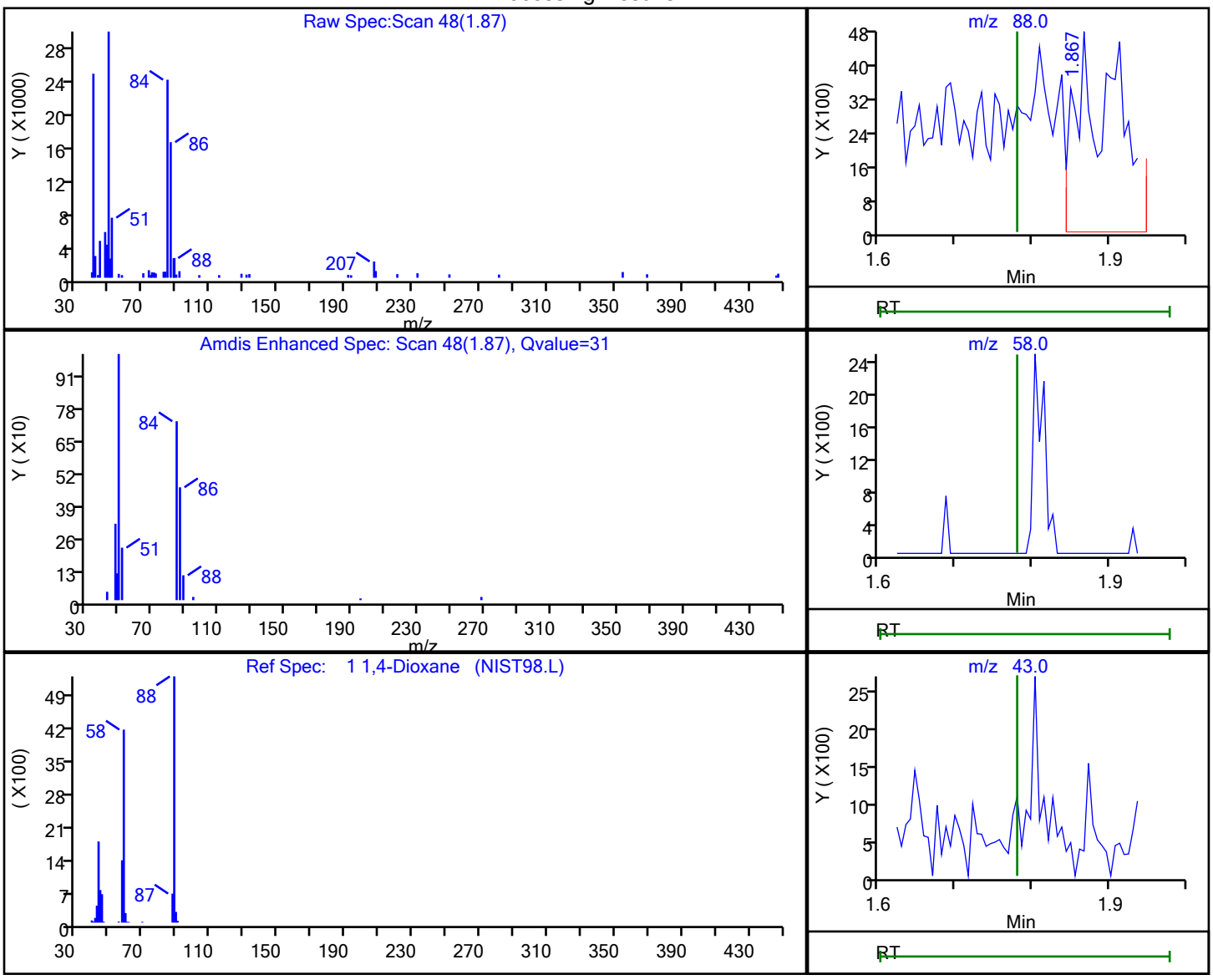
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

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Client ID:					
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
1.87	88.00	17066	0.274765
1.78	58.00	0	
1.78	43.00	0	

Reviewer: N5QU, 14-Apr-2025 15:34:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

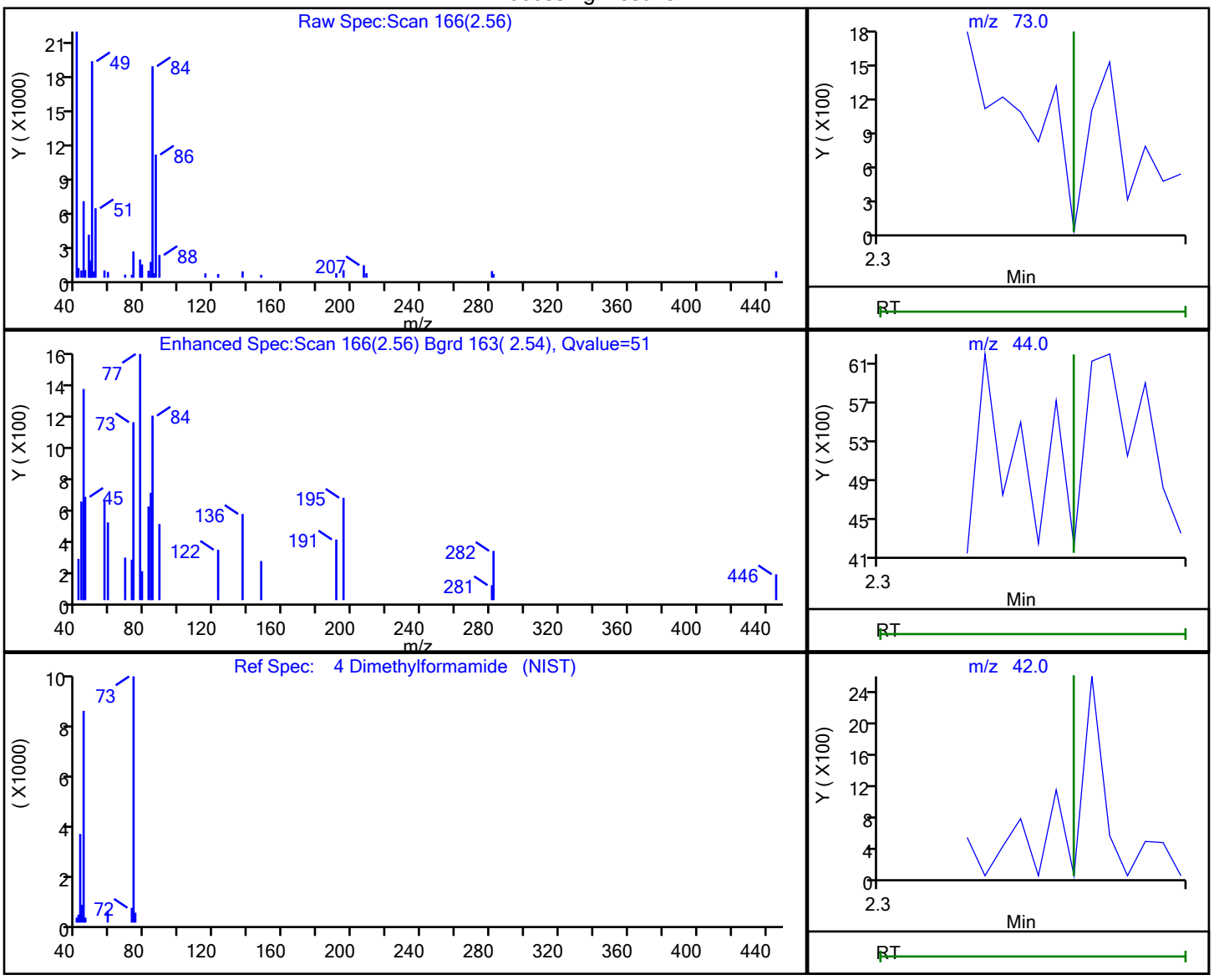
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Processing Results



RT	Mass	Response	Amount
2.56	73.00	2056	0.124200
2.36	44.00	0	
2.36	42.00	0	

Reviewer: N5QU, 14-Apr-2025 15:34:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

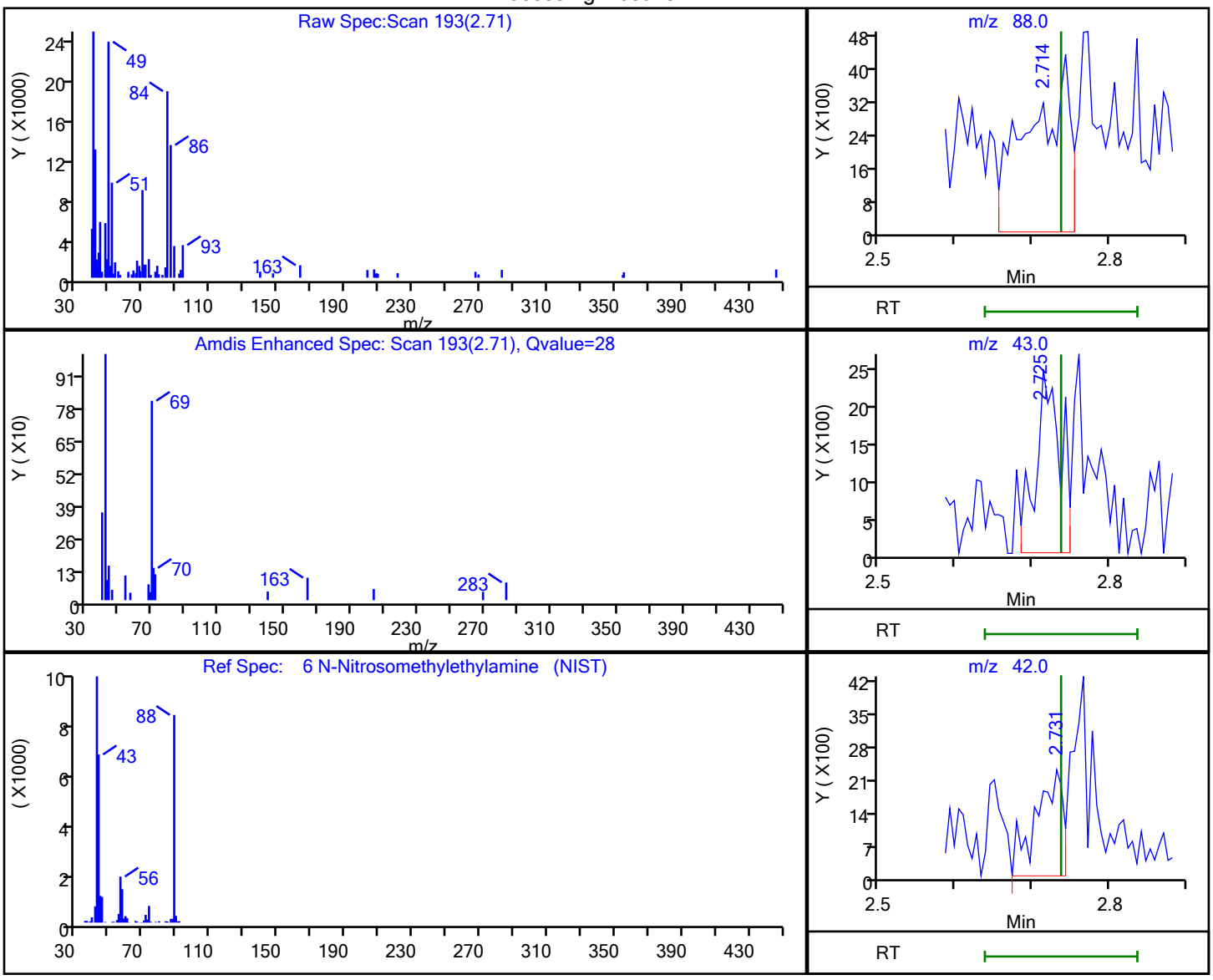
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	14-Apr-2025 14:11:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

6 N-Nitrosomethylethylamine, CAS: 10595-95-6

Processing Results



RT	Mass	Response	Amount
2.71	88.00	15136	0.095876
2.73	43.00	5425	
2.73	42.00	5382	

Reviewer: N5QU, 14-Apr-2025 15:34:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

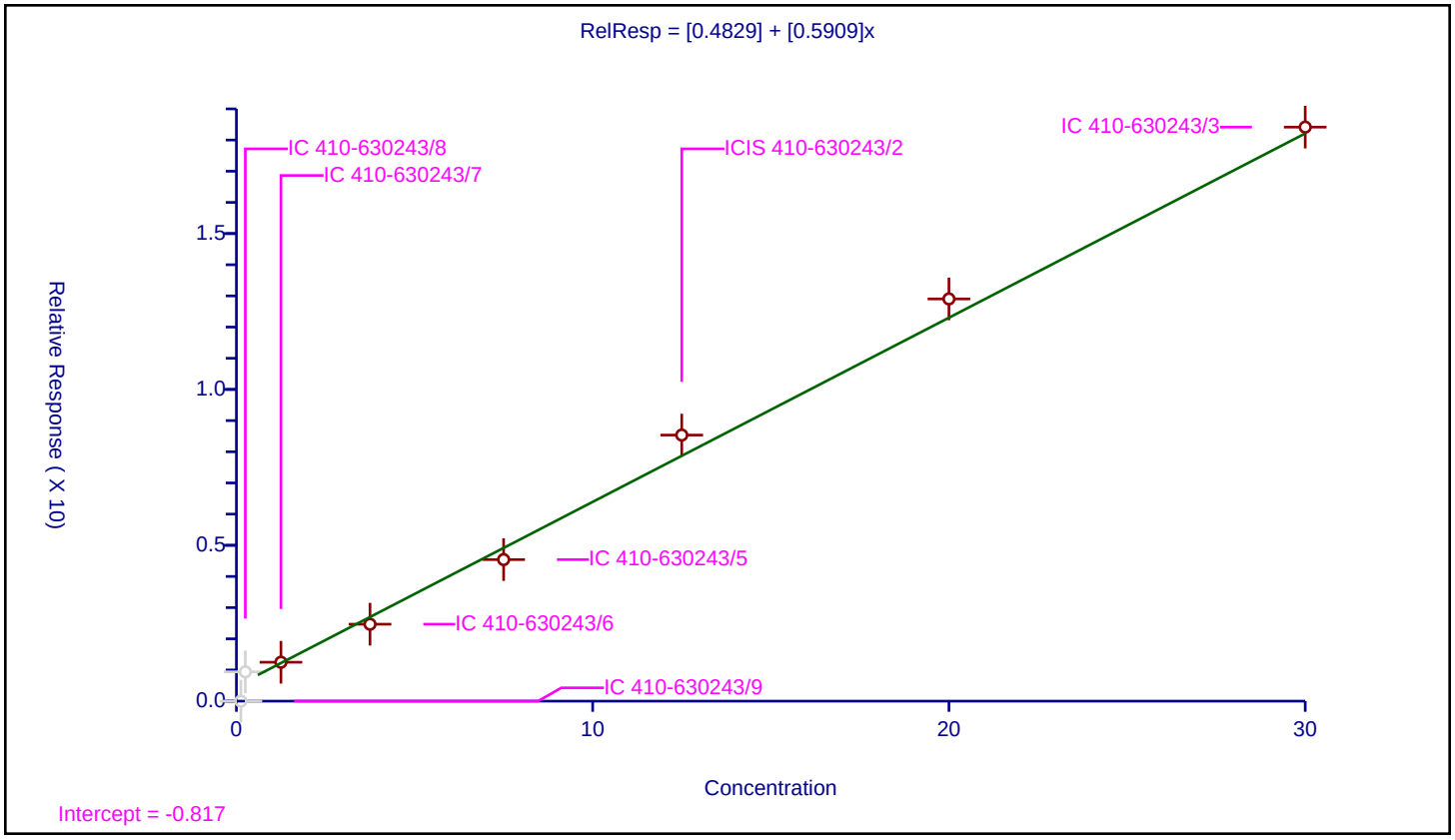
Curve Coefficients

Intercept:	0.4829
Slope:	0.5909

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0	5.0	226180.0	0.0	N
2	IC 410-630243/8	0.25	0.940575	5.0	180464.0	3.762302	N
3	IC 410-630243/7	1.25	1.248254	5.0	175389.0	0.998603	Y
4	IC 410-630243/6	3.75	2.467773	5.0	185092.0	0.658073	Y
5	IC 410-630243/5	7.5	4.540875	5.0	197539.0	0.60545	Y
6	ICIS 410-630243/2	12.5	8.535576	5.0	181020.0	0.682846	Y
7	IC 410-630243/4	20.0	12.903453	5.0	184873.0	0.645173	Y
8	IC 410-630243/3	30.0	18.414654	5.0	186751.0	0.613822	Y



8/21/2025
7:28:43 PM

Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

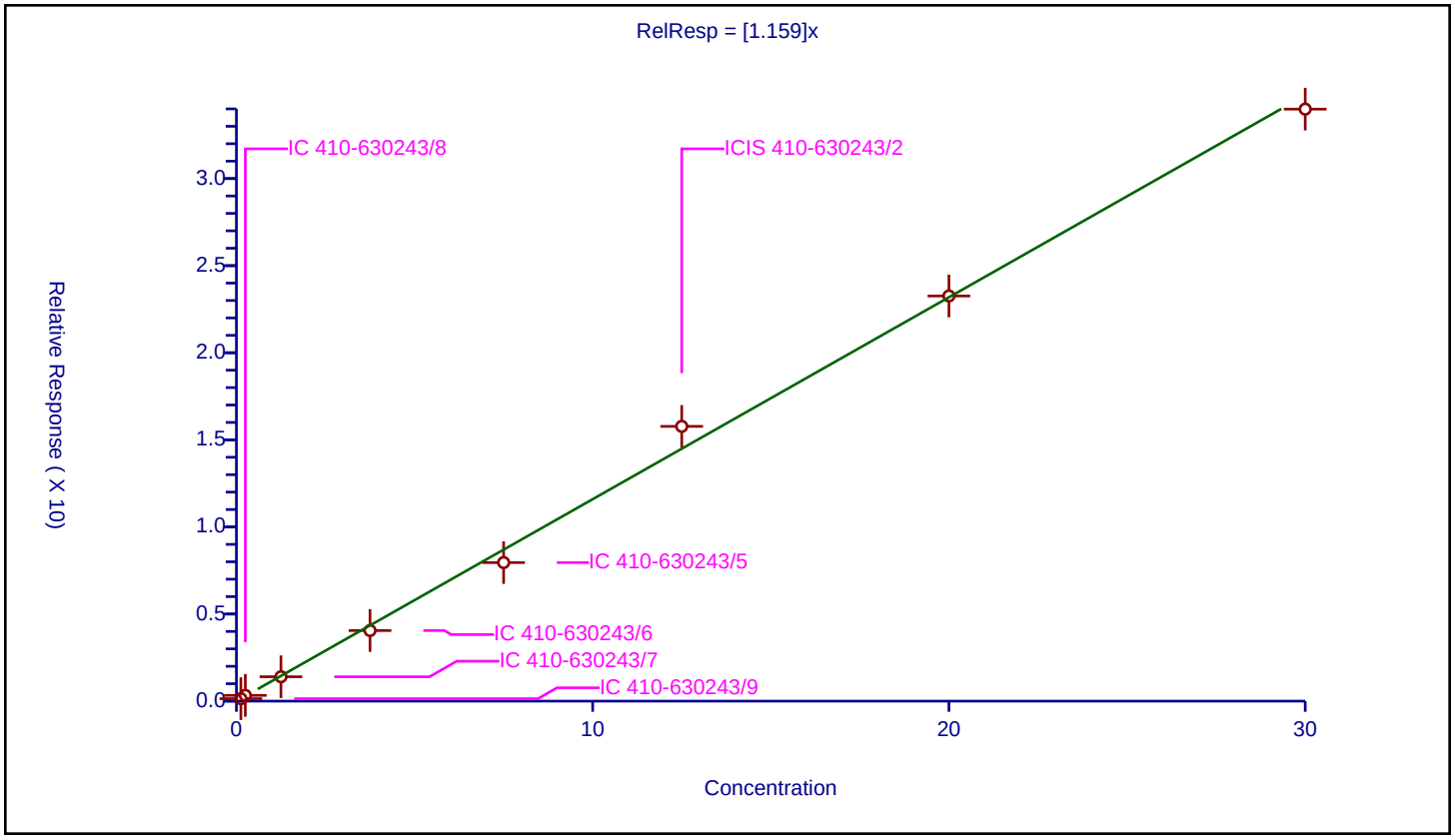
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.14148	5.0	226180.0	1.131842	Y
2	IC 410-630243/8	0.25	0.331008	5.0	180464.0	1.324031	Y
3	IC 410-630243/7	1.25	1.399404	5.0	175389.0	1.119523	Y
4	IC 410-630243/6	3.75	4.052633	5.0	185092.0	1.080702	Y
5	IC 410-630243/5	7.5	7.955062	5.0	197539.0	1.060675	Y
6	ICIS 410-630243/2	12.5	15.773644	5.0	181020.0	1.261892	Y
7	IC 410-630243/4	20.0	23.260887	5.0	184873.0	1.163044	Y
8	IC 410-630243/3	30.0	33.986217	5.0	186751.0	1.132874	Y



8/21/2025
7:28:43 PM

Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

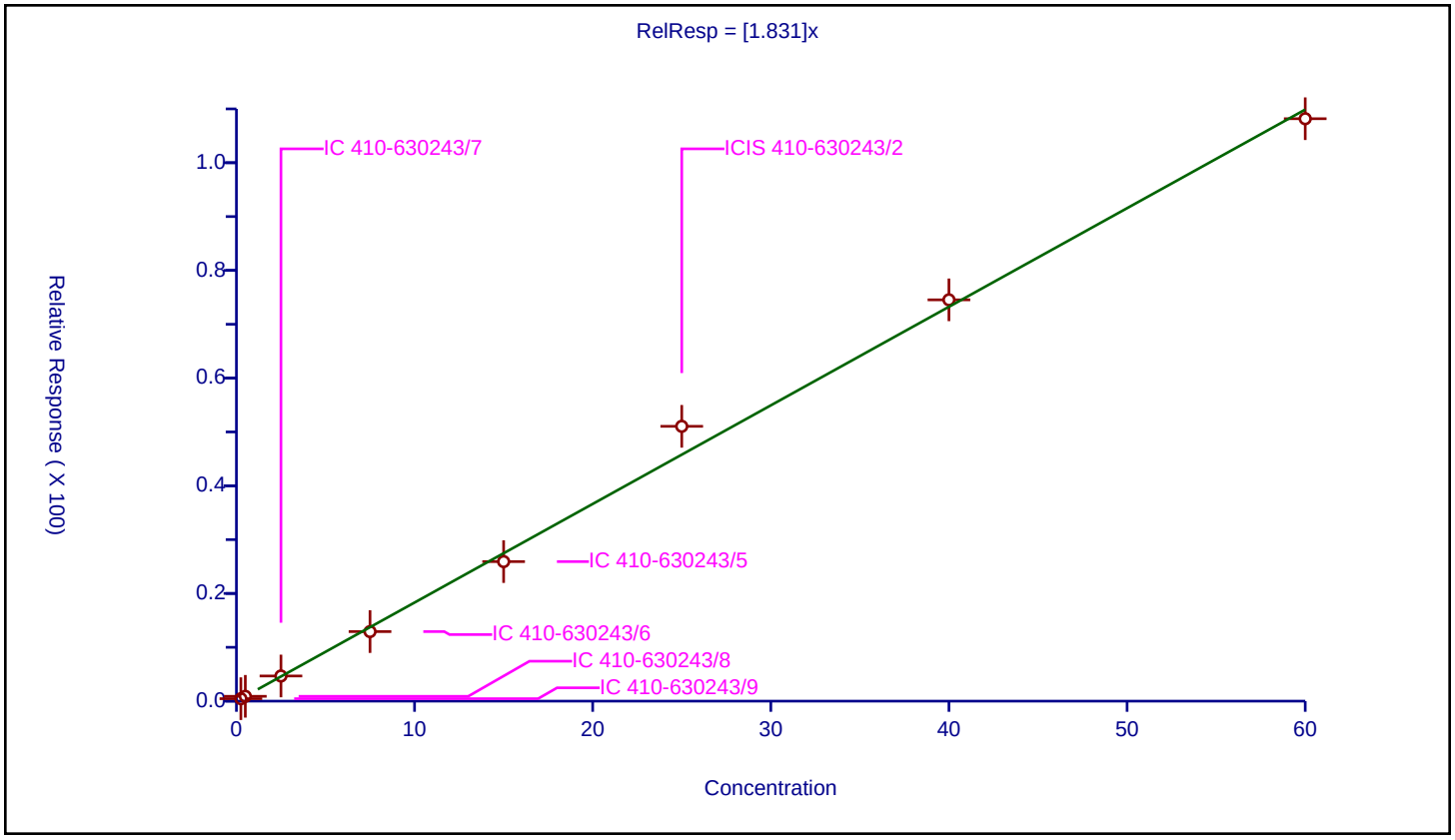
Curve Coefficients

Intercept:	0
Slope:	1.831

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.455566	5.0	226180.0	1.822265	Y
2	IC 410-630243/8	0.5	0.899598	5.0	180464.0	1.799195	Y
3	IC 410-630243/7	2.5	4.673041	5.0	175389.0	1.869216	Y
4	IC 410-630243/6	7.5	12.919197	5.0	185092.0	1.72256	Y
5	IC 410-630243/5	15.0	25.920907	5.0	197539.0	1.72806	Y
6	ICIS 410-630243/2	25.0	51.04168	5.0	181020.0	2.041667	Y
7	IC 410-630243/4	40.0	74.538548	5.0	184873.0	1.863464	Y
8	IC 410-630243/3	60.0	108.173531	5.0	186751.0	1.802892	Y



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Calibration / Dimethylformamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

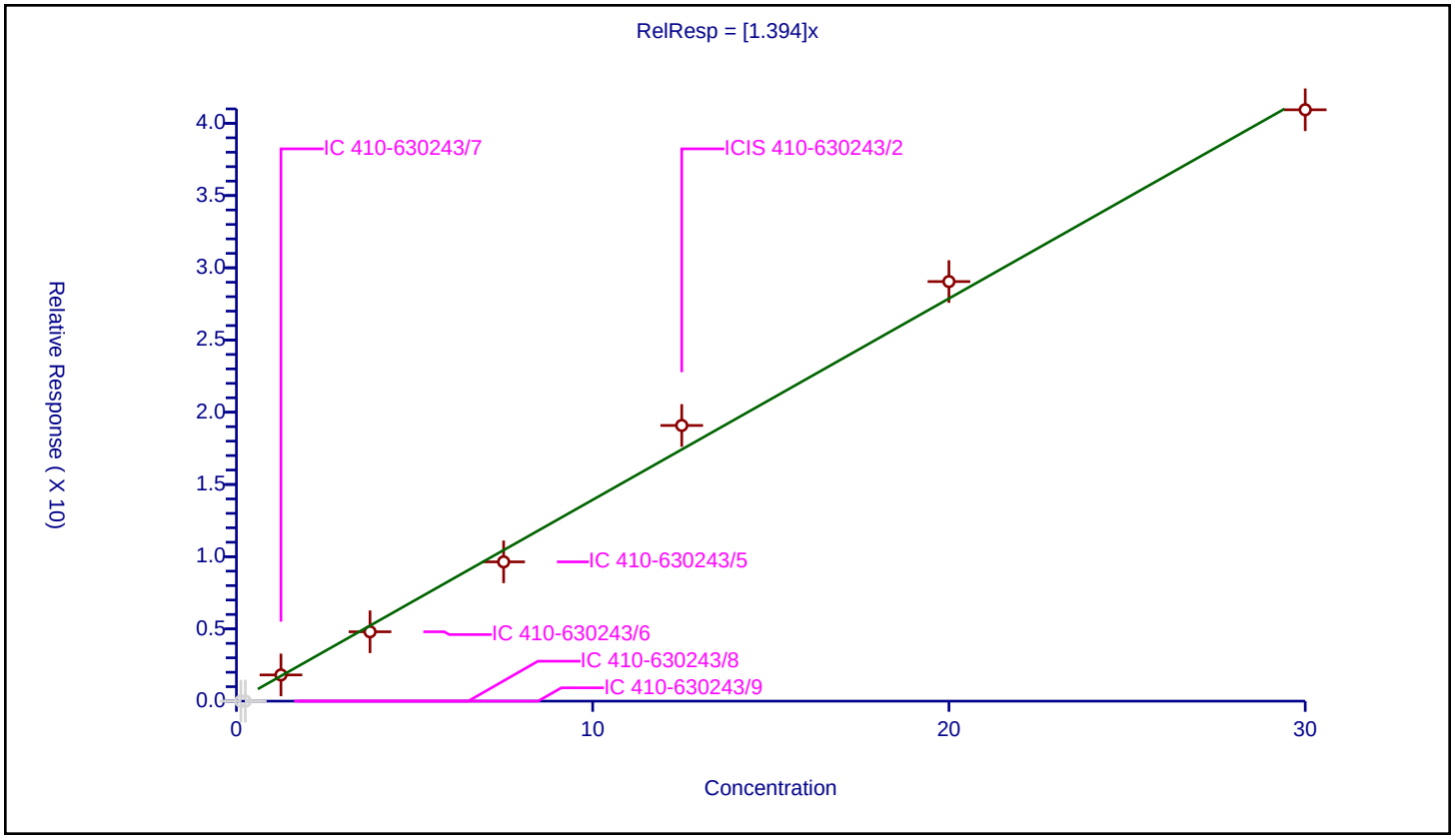
Curve Coefficients

Intercept:	0
Slope:	1.394

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0	5.0	226180.0	0.0	N
2	IC 410-630243/8	0.25	0.0	5.0	180464.0	0.0	N
3	IC 410-630243/7	1.25	1.814481	5.0	175389.0	1.451585	Y
4	IC 410-630243/6	3.75	4.803071	5.0	185092.0	1.280819	Y
5	IC 410-630243/5	7.5	9.642805	5.0	197539.0	1.285707	Y
6	ICIS 410-630243/2	12.5	19.085239	5.0	181020.0	1.526819	Y
7	IC 410-630243/4	20.0	29.046481	5.0	184873.0	1.452324	Y
8	IC 410-630243/3	30.0	40.939754	5.0	186751.0	1.364658	Y



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Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

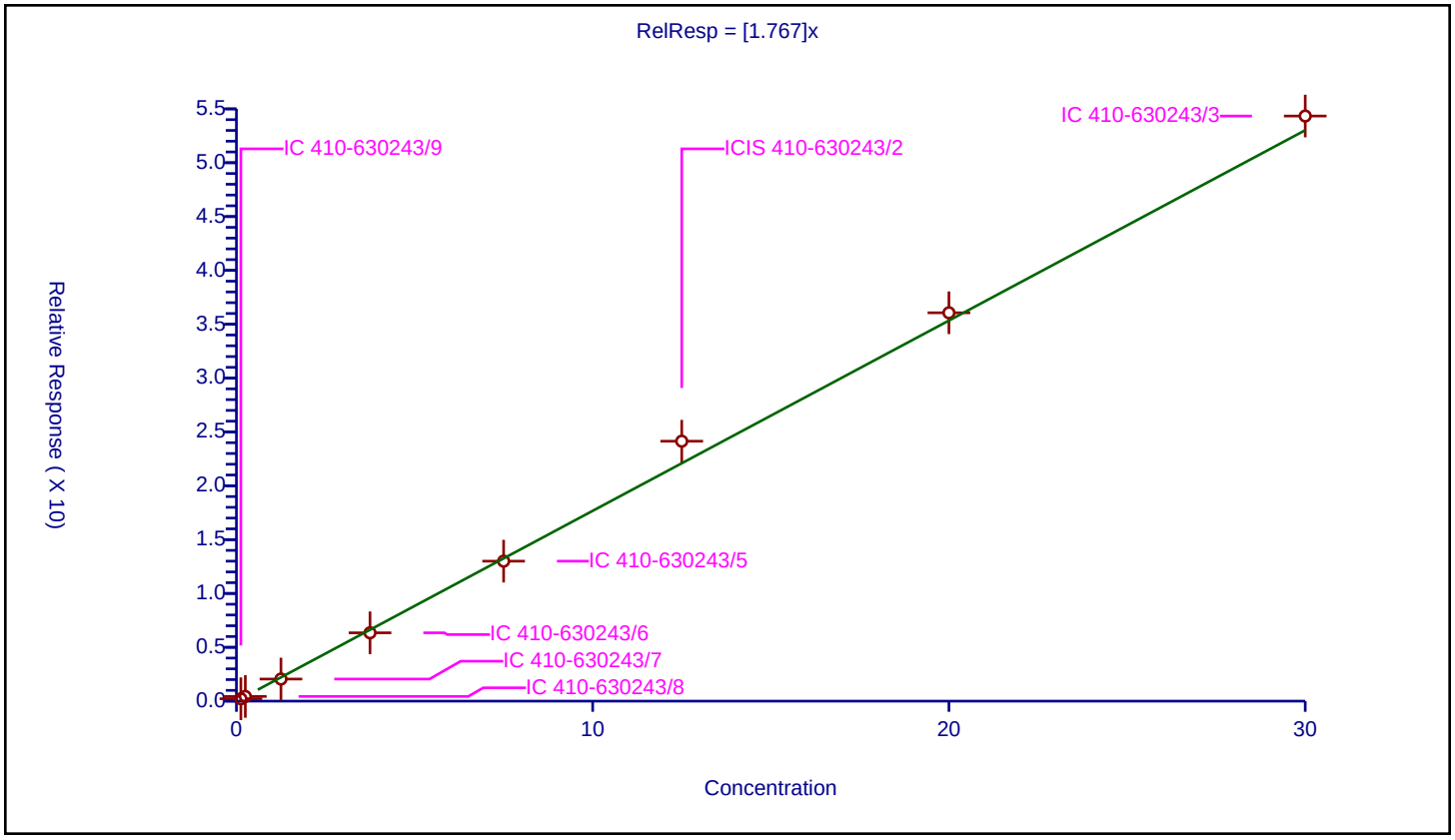
Curve Coefficients

Intercept:	0
Slope:	1.767

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.222146	5.0	226180.0	1.777169	Y
2	IC 410-630243/8	0.25	0.436985	5.0	180464.0	1.747939	Y
3	IC 410-630243/7	1.25	2.052637	5.0	175389.0	1.64211	Y
4	IC 410-630243/6	3.75	6.344872	5.0	185092.0	1.691966	Y
5	IC 410-630243/5	7.5	12.99794	5.0	197539.0	1.733059	Y
6	ICIS 410-630243/2	12.5	24.13899	5.0	181020.0	1.931119	Y
7	IC 410-630243/4	20.0	36.065407	5.0	184873.0	1.80327	Y
8	IC 410-630243/3	30.0	54.337192	5.0	186751.0	1.81124	Y



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Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

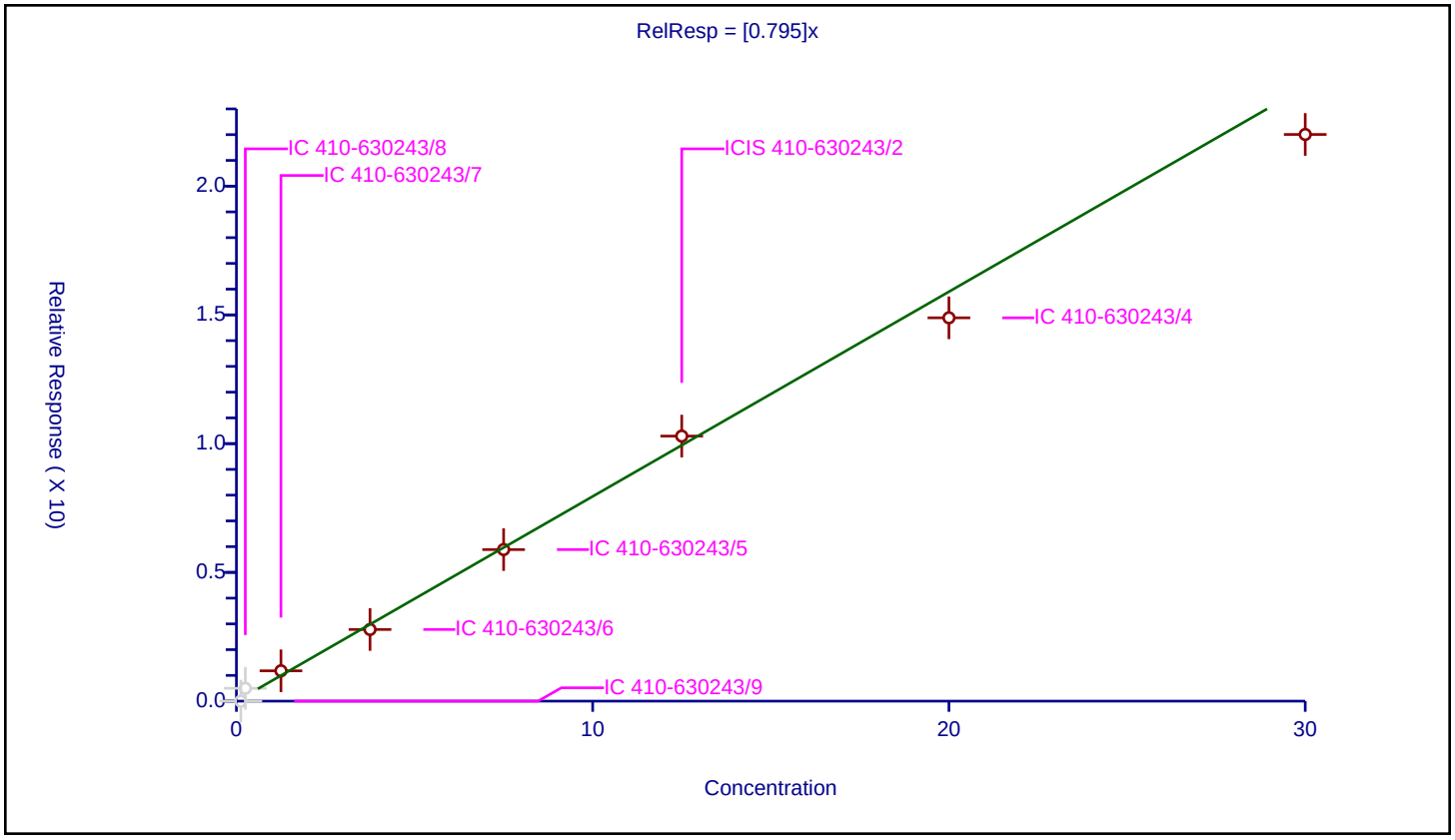
Curve Coefficients

Intercept:	0
Slope:	0.795

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0	5.0	226180.0	0.0	N
2	IC 410-630243/8	0.25	0.498631	5.0	180464.0	1.994525	N
3	IC 410-630243/7	1.25	1.177269	5.0	175389.0	0.941815	Y
4	IC 410-630243/6	3.75	2.783292	5.0	185092.0	0.742211	Y
5	IC 410-630243/5	7.5	5.885572	5.0	197539.0	0.784743	Y
6	ICIS 410-630243/2	12.5	10.292923	5.0	181020.0	0.823434	Y
7	IC 410-630243/4	20.0	14.886571	5.0	184873.0	0.744329	Y
8	IC 410-630243/3	30.0	22.007486	5.0	186751.0	0.733583	Y



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Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

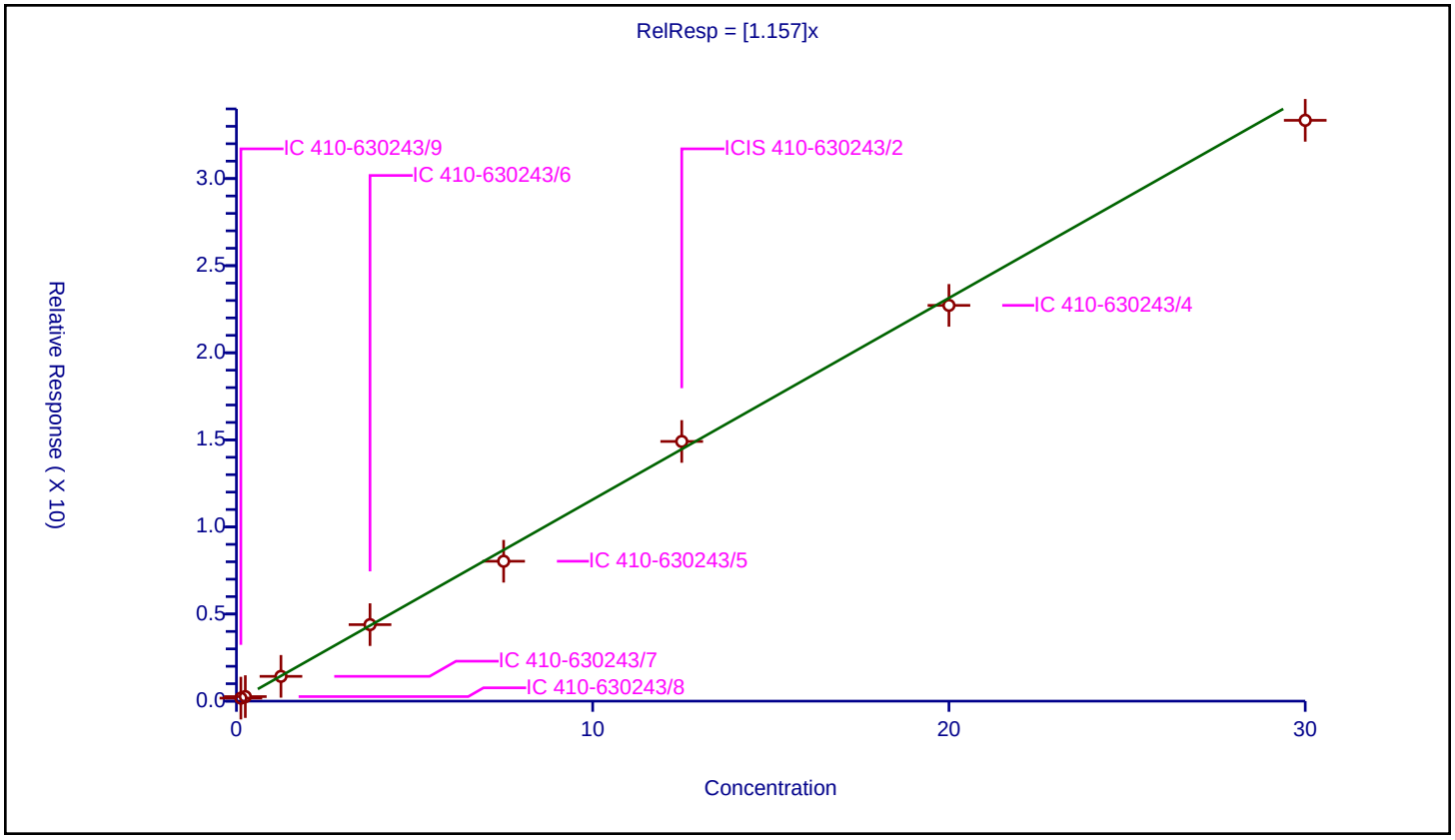
Curve Coefficients

Intercept:	0
Slope:	1.157

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.173866	5.0	226180.0	1.390928	Y
2	IC 410-630243/8	0.25	0.261382	5.0	180464.0	1.045527	Y
3	IC 410-630243/7	1.25	1.422809	5.0	175389.0	1.138247	Y
4	IC 410-630243/6	3.75	4.392356	5.0	185092.0	1.171295	Y
5	IC 410-630243/5	7.5	8.031503	5.0	197539.0	1.070867	Y
6	ICIS 410-630243/2	12.5	14.909071	5.0	181020.0	1.192726	Y
7	IC 410-630243/4	20.0	22.720192	5.0	184873.0	1.13601	Y
8	IC 410-630243/3	30.0	33.344159	5.0	186751.0	1.111472	Y



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Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

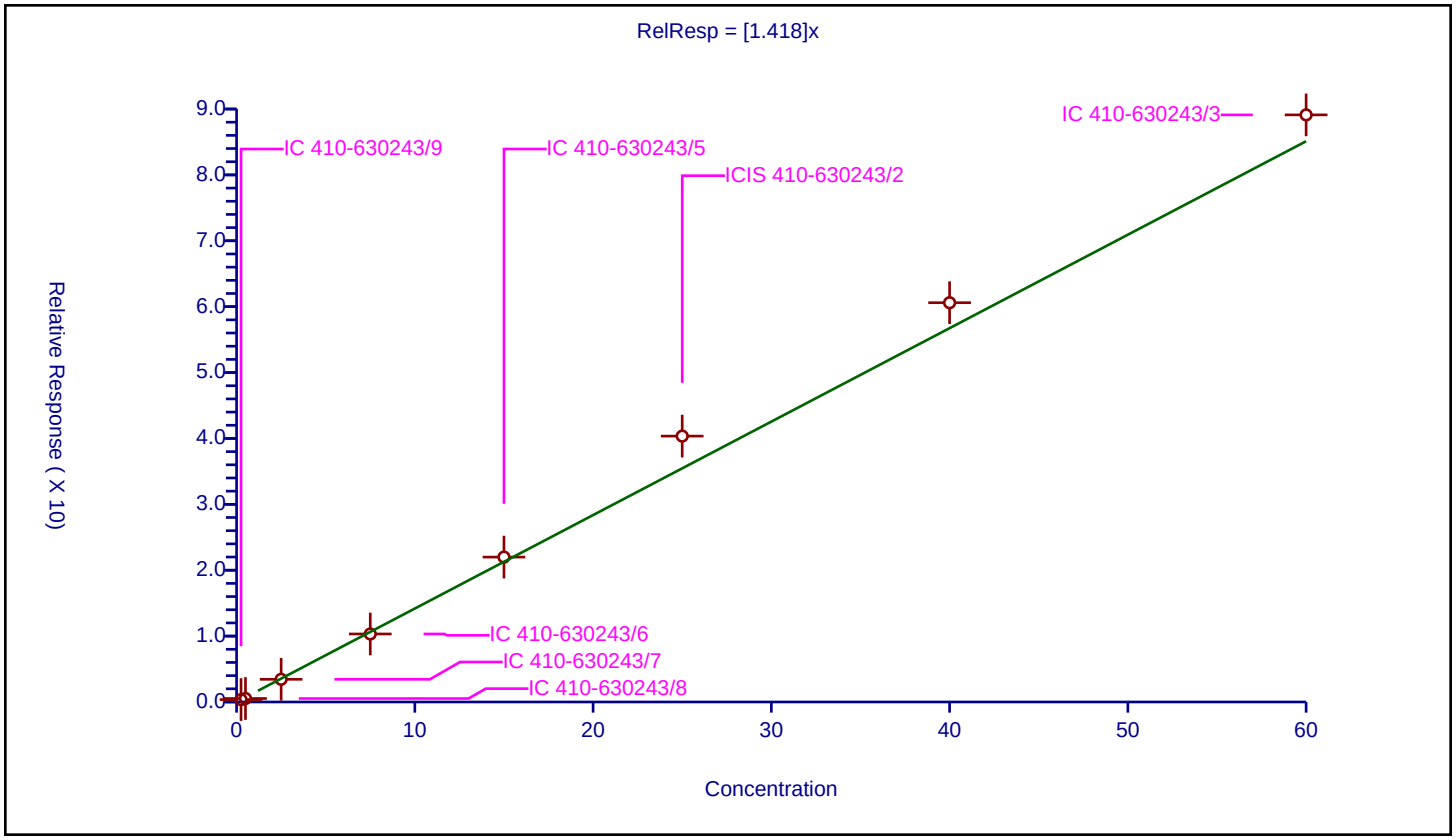
Curve Coefficients

Intercept:	0
Slope:	1.418

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.364798	5.0	226180.0	1.459192	Y
2	IC 410-630243/8	0.5	0.527224	5.0	180464.0	1.054449	Y
3	IC 410-630243/7	2.5	3.442377	5.0	175389.0	1.376951	Y
4	IC 410-630243/6	7.5	10.322812	5.0	185092.0	1.376375	Y
5	IC 410-630243/5	15.0	21.99267	5.0	197539.0	1.466178	Y
6	ICIS 410-630243/2	25.0	40.355237	5.0	181020.0	1.614209	Y
7	IC 410-630243/4	40.0	60.601683	5.0	184873.0	1.515042	Y
8	IC 410-630243/3	60.0	89.108867	5.0	186751.0	1.485148	Y



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Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

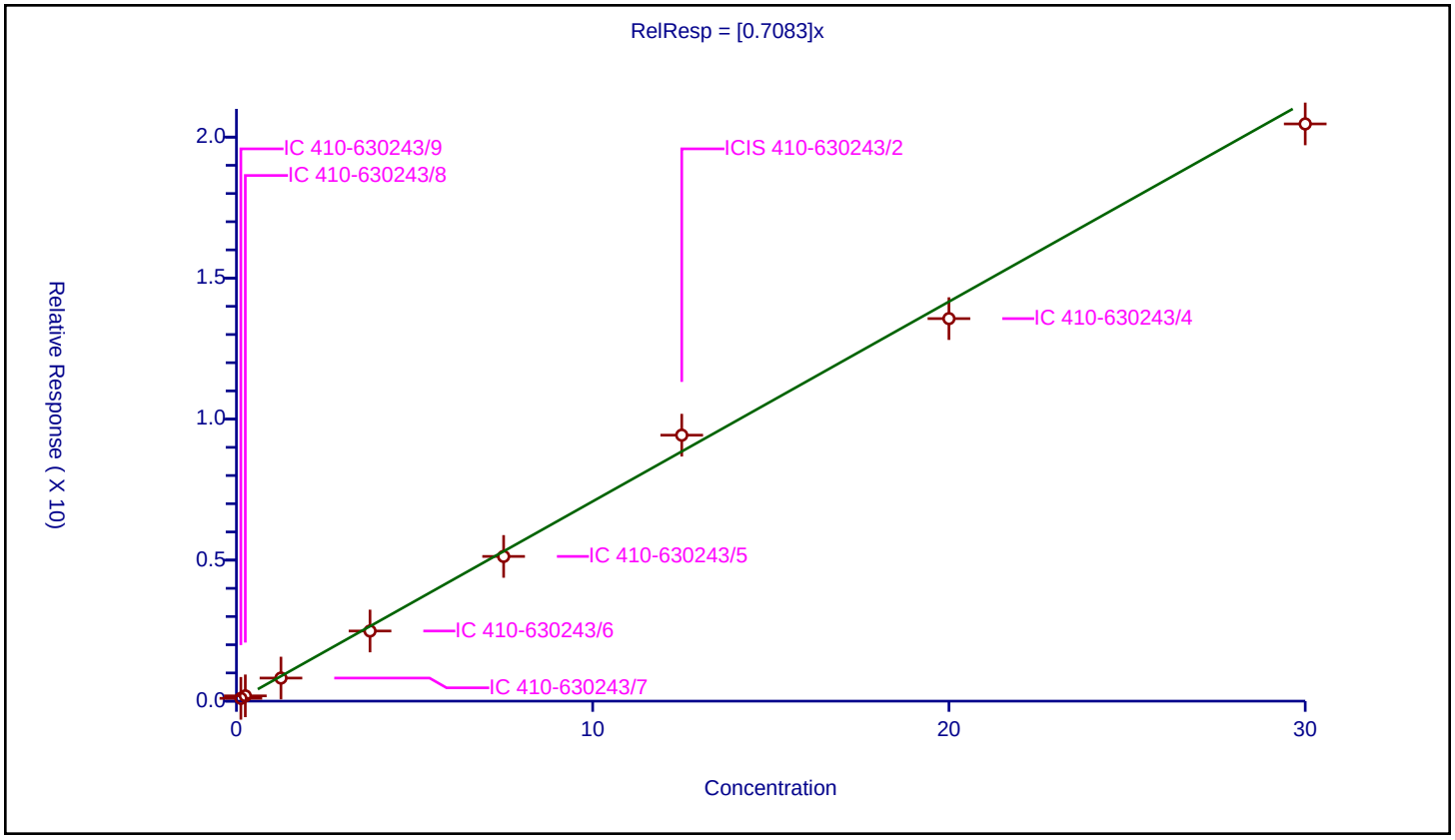
Curve Coefficients

Intercept:	0
Slope:	0.7083

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.099943	5.0	226180.0	0.79954	Y
2	IC 410-630243/8	0.25	0.187434	5.0	180464.0	0.749734	Y
3	IC 410-630243/7	1.25	0.818352	5.0	175389.0	0.654682	Y
4	IC 410-630243/6	3.75	2.486628	5.0	185092.0	0.663101	Y
5	IC 410-630243/5	7.5	5.131139	5.0	197539.0	0.684152	Y
6	ICIS 410-630243/2	12.5	9.430809	5.0	181020.0	0.754465	Y
7	IC 410-630243/4	20.0	13.563554	5.0	184873.0	0.678178	Y
8	IC 410-630243/3	30.0	20.467815	5.0	186751.0	0.682261	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

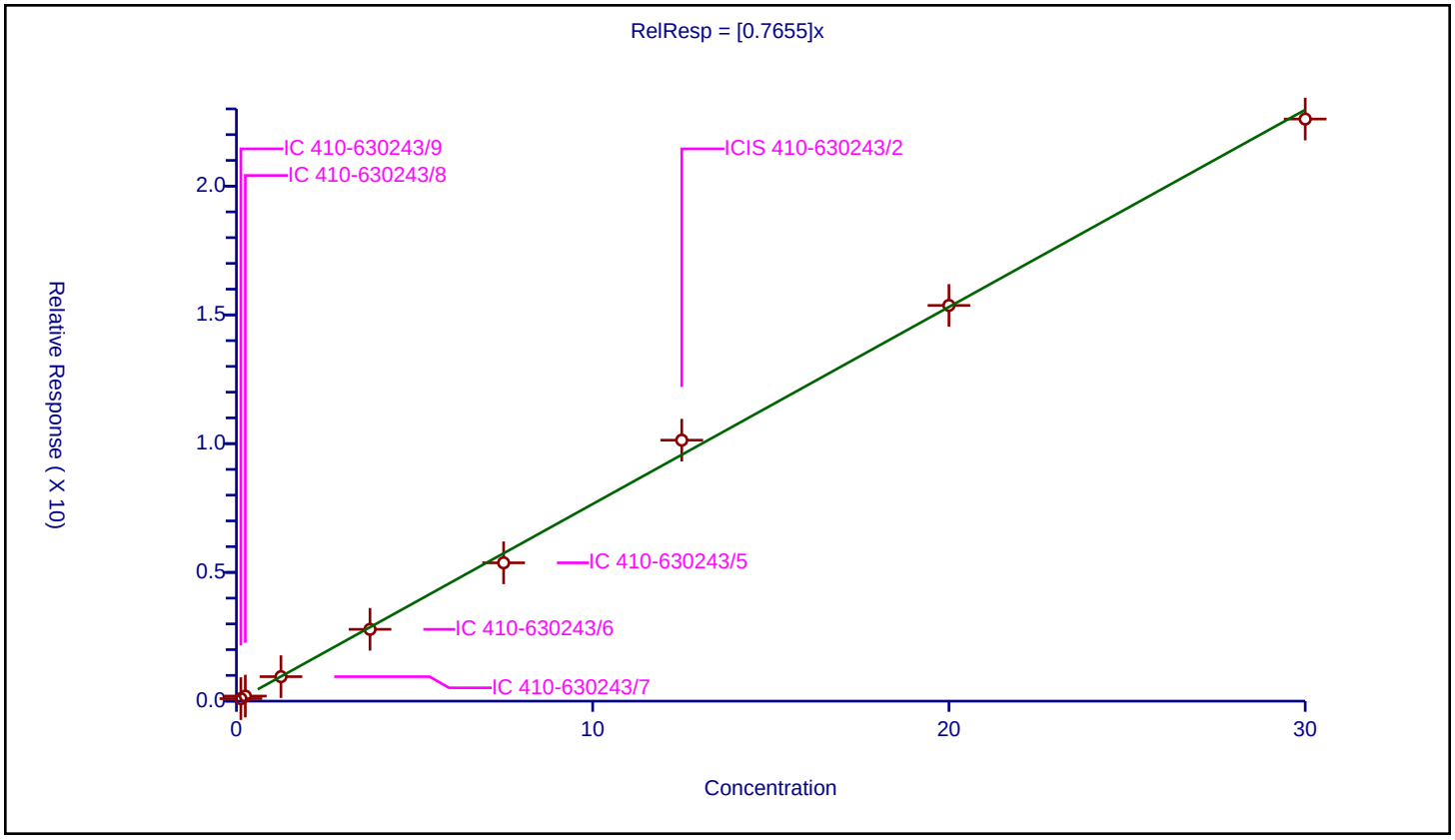
Curve Coefficients

Intercept:	0
Slope:	0.7655

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.098019	5.0	226180.0	0.784154	Y
2	IC 410-630243/8	0.25	0.196577	5.0	180464.0	0.786306	Y
3	IC 410-630243/7	1.25	0.950772	5.0	175389.0	0.760618	Y
4	IC 410-630243/6	3.75	2.788559	5.0	185092.0	0.743616	Y
5	IC 410-630243/5	7.5	5.371851	5.0	197539.0	0.716247	Y
6	ICIS 410-630243/2	12.5	10.134875	5.0	181020.0	0.81079	Y
7	IC 410-630243/4	20.0	15.367928	5.0	184873.0	0.768396	Y
8	IC 410-630243/3	30.0	22.605609	5.0	186751.0	0.75352	Y



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Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

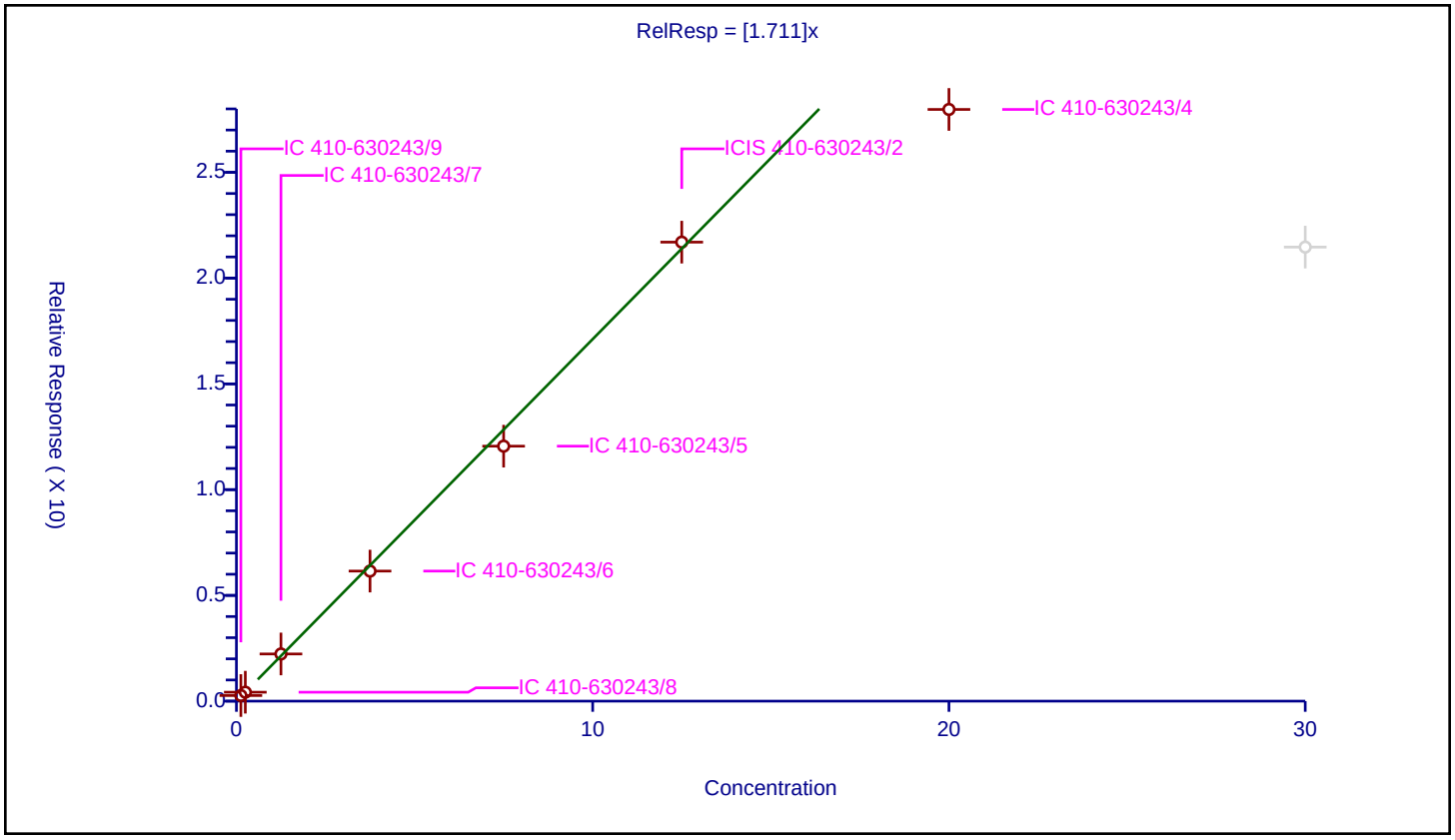
Curve Coefficients

Intercept:	0
Slope:	1.711

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.265364	5.0	226180.0	2.122911	Y
2	IC 410-630243/8	0.25	0.422633	5.0	180464.0	1.690531	Y
3	IC 410-630243/7	1.25	2.23067	5.0	175389.0	1.784536	Y
4	IC 410-630243/6	3.75	6.148699	5.0	185092.0	1.639653	Y
5	IC 410-630243/5	7.5	12.054885	5.0	197539.0	1.607318	Y
6	ICIS 410-630243/2	12.5	21.700061	5.0	181020.0	1.736005	Y
7	IC 410-630243/4	20.0	27.973041	5.0	184873.0	1.398652	Y
8	IC 410-630243/3	30.0	21.466284	5.0	186751.0	0.715543	N



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Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

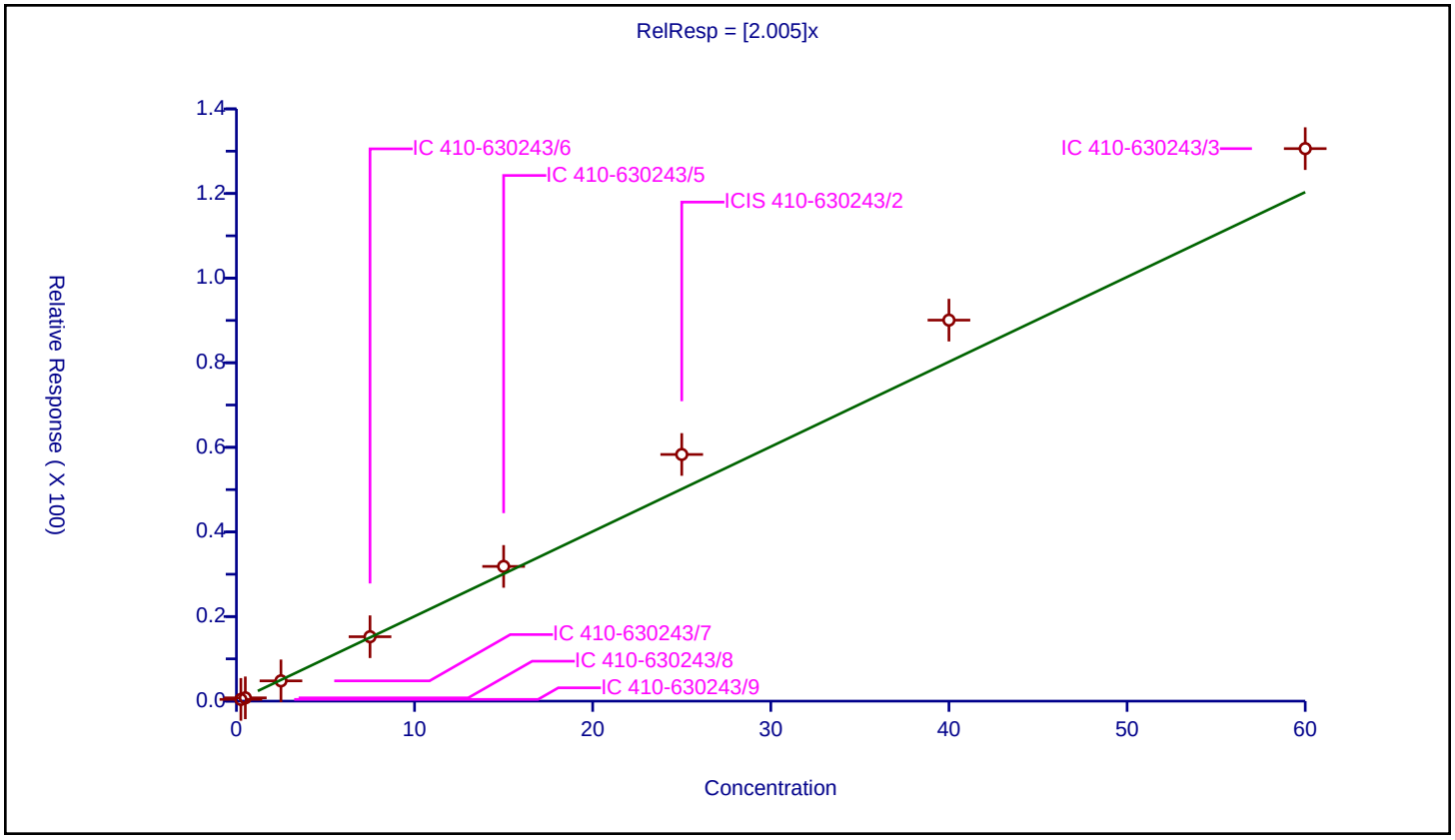
Curve Coefficients

Intercept:	0
Slope:	2.005

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.412238	5.0	226180.0	1.648952	Y
2	IC 410-630243/8	0.5	0.780599	5.0	180464.0	1.561198	Y
3	IC 410-630243/7	2.5	4.794628	5.0	175389.0	1.917851	Y
4	IC 410-630243/6	7.5	15.22713	5.0	185092.0	2.030284	Y
5	IC 410-630243/5	15.0	31.849989	5.0	197539.0	2.123333	Y
6	ICIS 410-630243/2	25.0	58.3098	5.0	181020.0	2.332392	Y
7	IC 410-630243/4	40.0	90.066505	5.0	184873.0	2.251663	Y
8	IC 410-630243/3	60.0	130.607065	5.0	186751.0	2.176784	Y



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Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

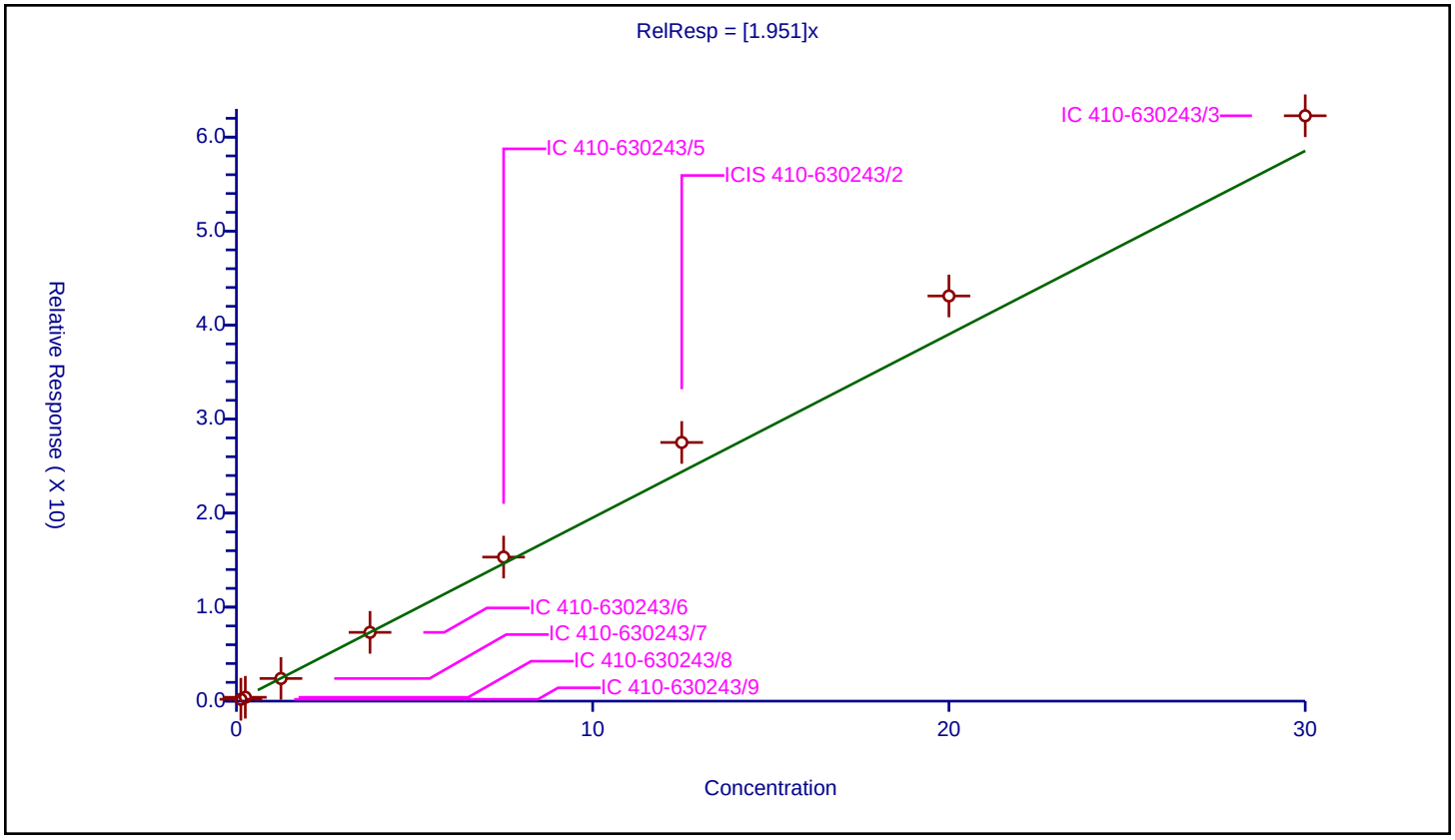
Curve Coefficients

Intercept:	0
Slope:	1.951

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.200239	5.0	226180.0	1.60191	Y
2	IC 410-630243/8	0.25	0.413296	5.0	180464.0	1.653183	Y
3	IC 410-630243/7	1.25	2.410157	5.0	175389.0	1.928125	Y
4	IC 410-630243/6	3.75	7.315416	5.0	185092.0	1.950778	Y
5	IC 410-630243/5	7.5	15.323	5.0	197539.0	2.043067	Y
6	ICIS 410-630243/2	12.5	27.518064	5.0	181020.0	2.201445	Y
7	IC 410-630243/4	20.0	43.100723	5.0	184873.0	2.155036	Y
8	IC 410-630243/3	30.0	62.269144	5.0	186751.0	2.075638	Y



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Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

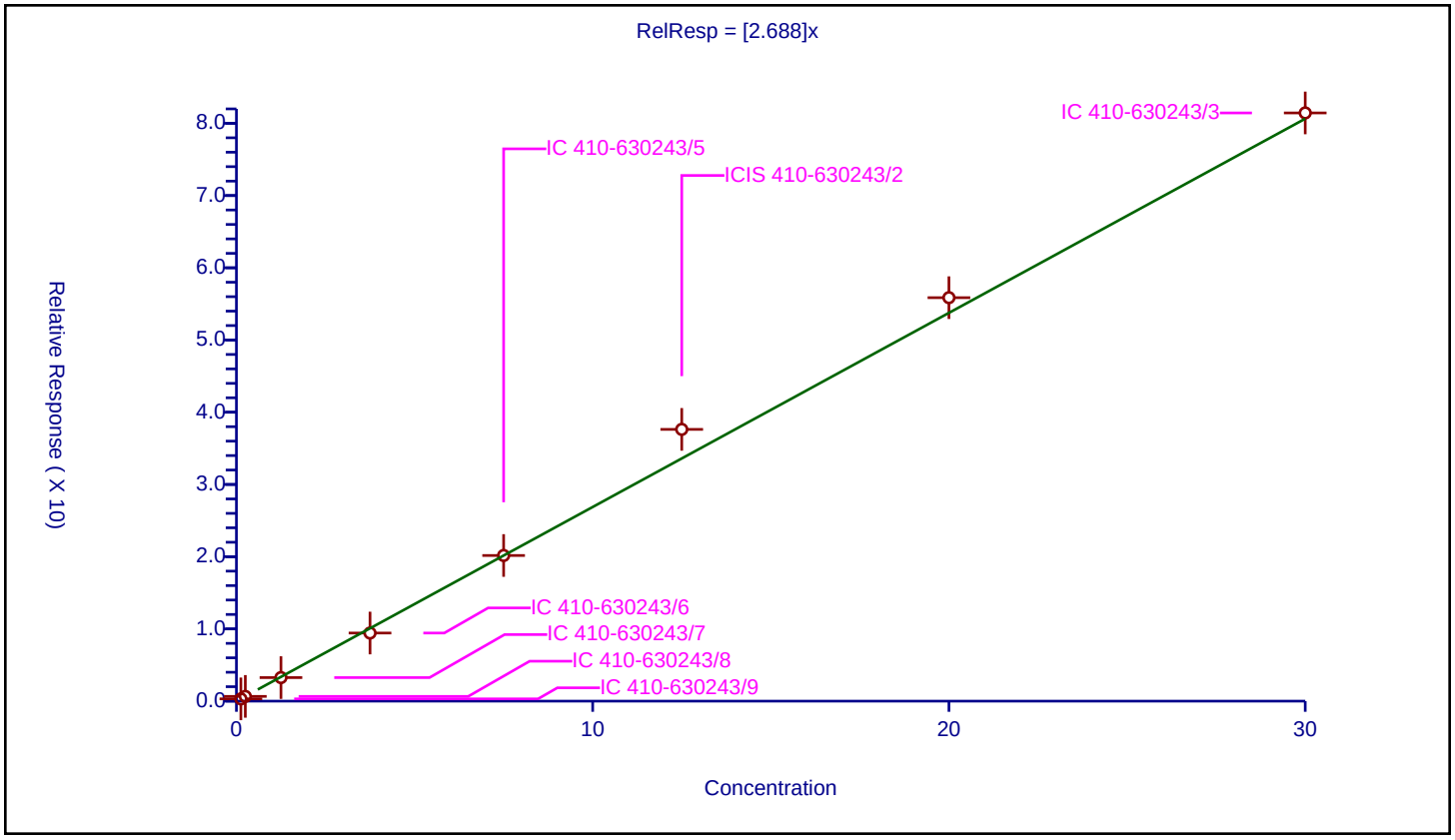
Curve Coefficients

Intercept:	0
Slope:	2.688

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.317048	5.0	226180.0	2.536387	Y
2	IC 410-630243/8	0.25	0.658663	5.0	180464.0	2.634653	Y
3	IC 410-630243/7	1.25	3.262662	5.0	175389.0	2.610129	Y
4	IC 410-630243/6	3.75	9.432742	5.0	185092.0	2.515398	Y
5	IC 410-630243/5	7.5	20.164828	5.0	197539.0	2.688644	Y
6	ICIS 410-630243/2	12.5	37.627748	5.0	181020.0	3.01022	Y
7	IC 410-630243/4	20.0	55.863755	5.0	184873.0	2.793188	Y
8	IC 410-630243/3	30.0	81.44117	5.0	186751.0	2.714706	Y



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Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

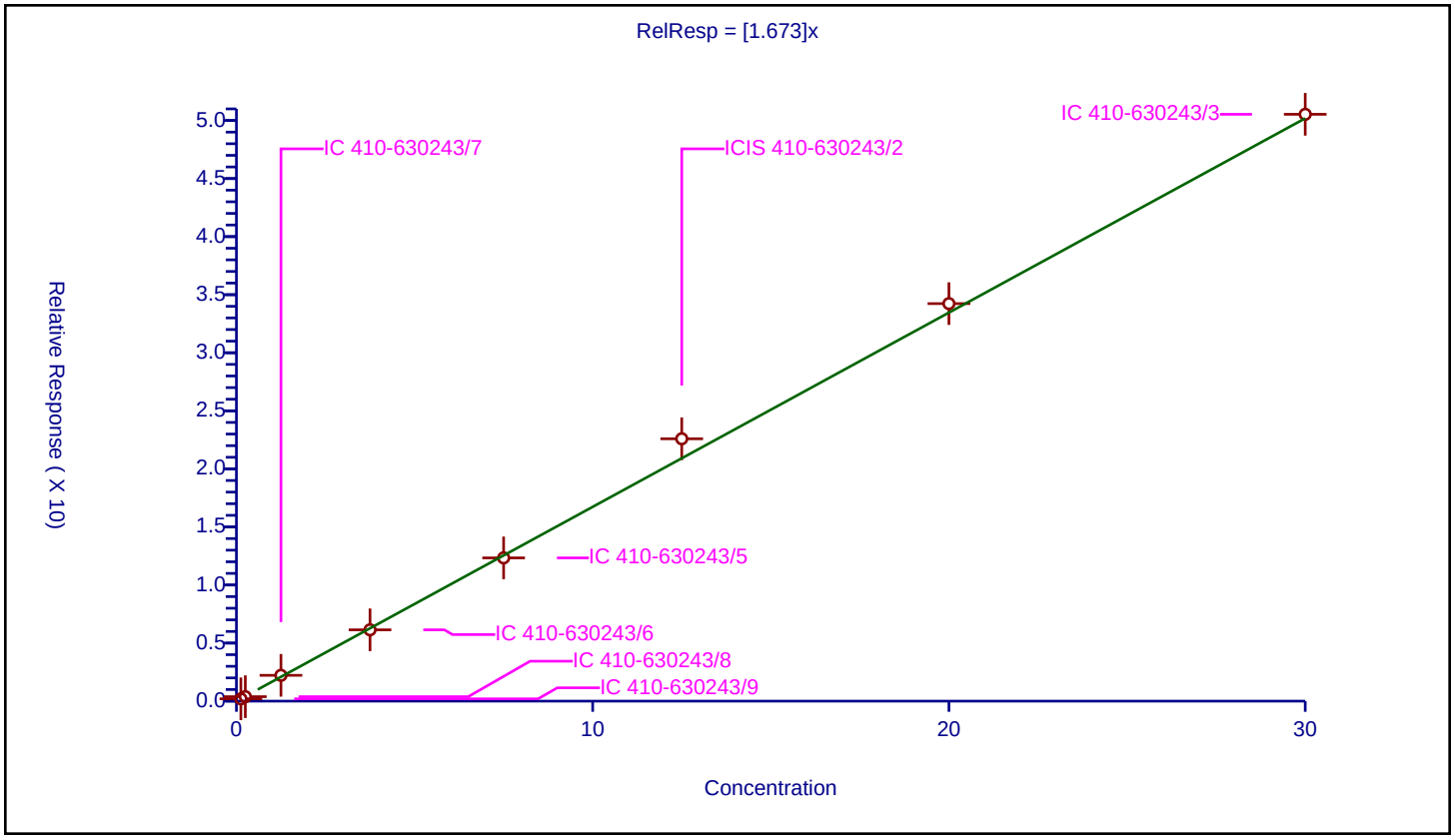
Curve Coefficients

Intercept:	0
Slope:	1.673

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.197918	5.0	226180.0	1.583341	Y
2	IC 410-630243/8	0.25	0.38401	5.0	180464.0	1.53604	Y
3	IC 410-630243/7	1.25	2.223115	5.0	175389.0	1.778492	Y
4	IC 410-630243/6	3.75	6.140649	5.0	185092.0	1.637506	Y
5	IC 410-630243/5	7.5	12.334678	5.0	197539.0	1.644624	Y
6	ICIS 410-630243/2	12.5	22.592752	5.0	181020.0	1.80742	Y
7	IC 410-630243/4	20.0	34.232122	5.0	184873.0	1.711606	Y
8	IC 410-630243/3	30.0	50.534134	5.0	186751.0	1.684471	Y



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Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

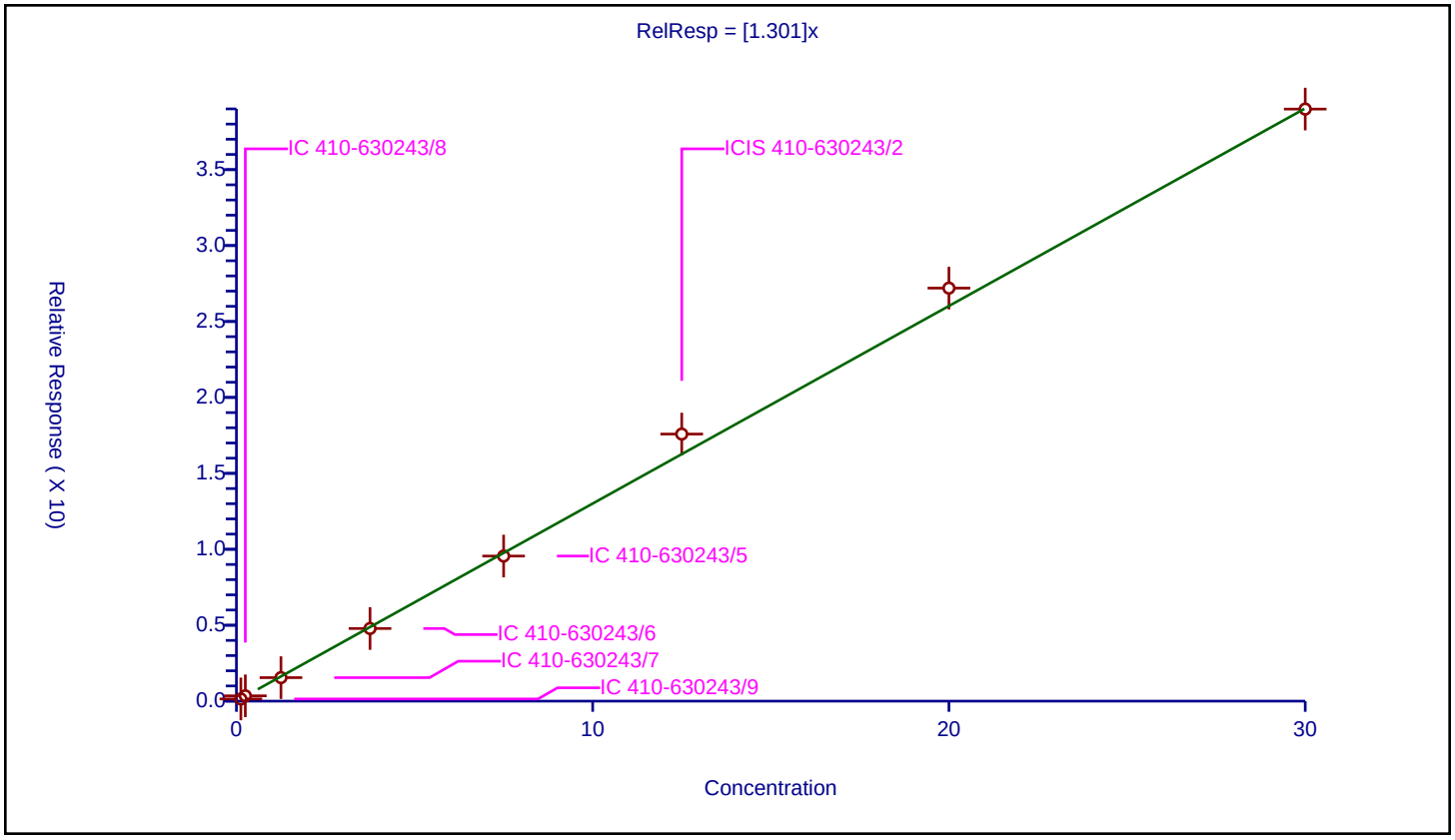
Curve Coefficients

Intercept:	0
Slope:	1.301

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.144288	5.0	226180.0	1.154302	Y
2	IC 410-630243/8	0.25	0.350208	5.0	180464.0	1.400833	Y
3	IC 410-630243/7	1.25	1.54699	5.0	175389.0	1.237592	Y
4	IC 410-630243/6	3.75	4.784269	5.0	185092.0	1.275805	Y
5	IC 410-630243/5	7.5	9.55386	5.0	197539.0	1.273848	Y
6	ICIS 410-630243/2	12.5	17.586869	5.0	181020.0	1.40695	Y
7	IC 410-630243/4	20.0	27.197968	5.0	184873.0	1.359898	Y
8	IC 410-630243/3	30.0	38.987341	5.0	186751.0	1.299578	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

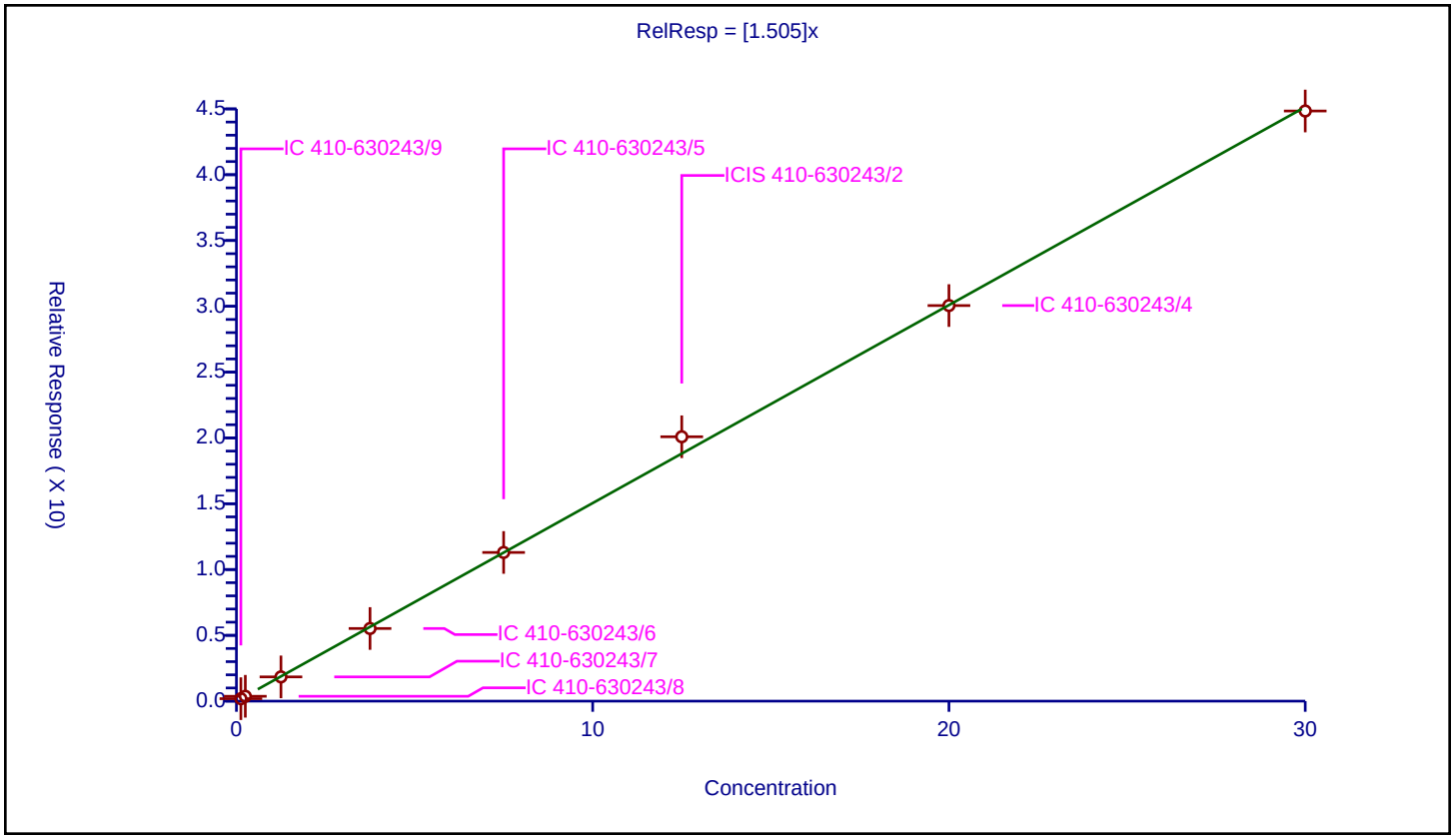
Curve Coefficients

Intercept:	0
Slope:	1.505

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.188125	5.0	226180.0	1.504996	Y
2	IC 410-630243/8	0.25	0.368993	5.0	180464.0	1.475973	Y
3	IC 410-630243/7	1.25	1.843075	5.0	175389.0	1.47446	Y
4	IC 410-630243/6	3.75	5.518985	5.0	185092.0	1.471729	Y
5	IC 410-630243/5	7.5	11.297035	5.0	197539.0	1.506271	Y
6	ICIS 410-630243/2	12.5	20.087836	5.0	181020.0	1.607027	Y
7	IC 410-630243/4	20.0	30.057905	5.0	184873.0	1.502895	Y
8	IC 410-630243/3	30.0	44.839412	5.0	186751.0	1.494647	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

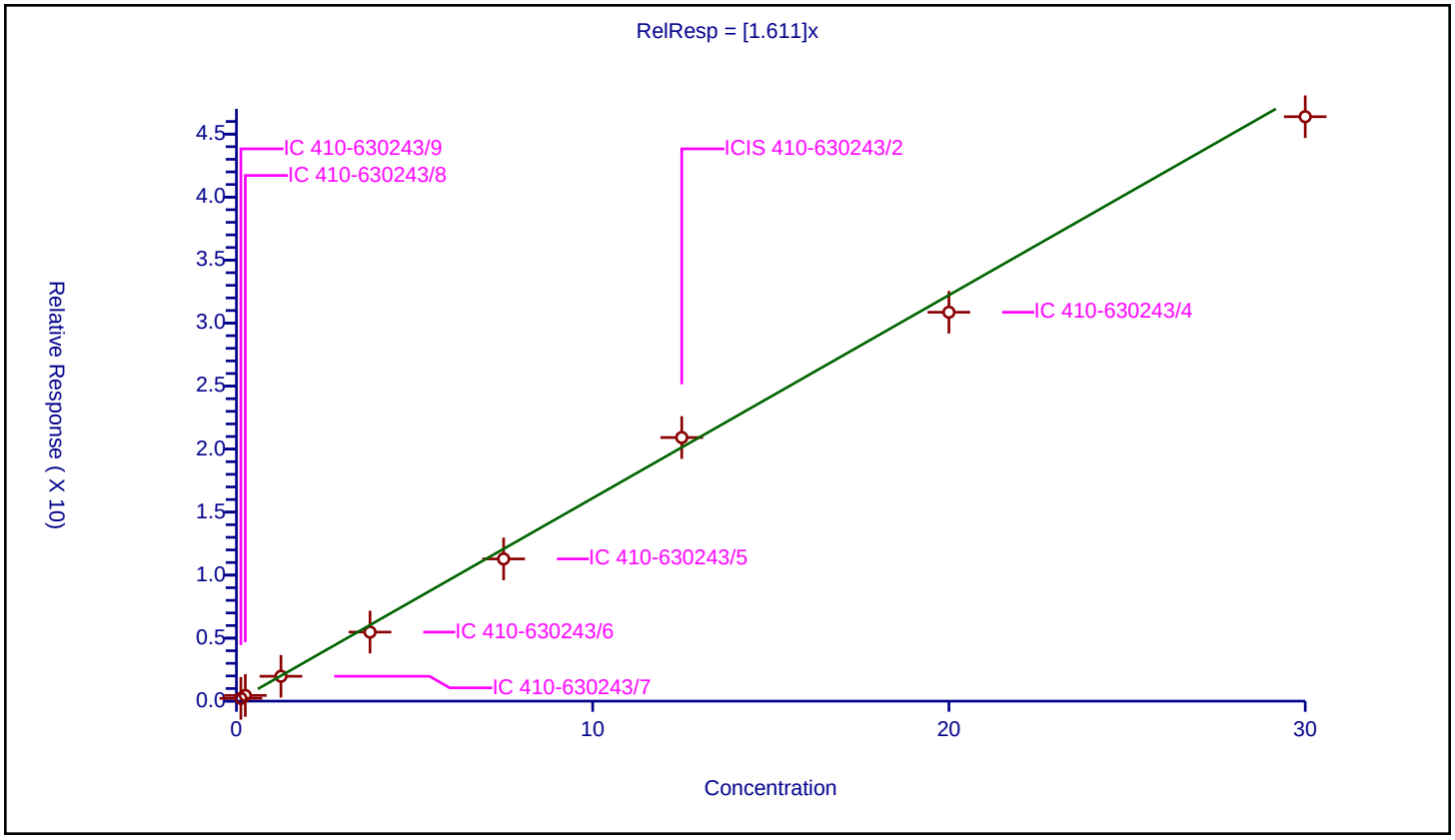
Curve Coefficients

Intercept:	0
Slope:	1.611

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.222058	5.0	226180.0	1.776461	Y
2	IC 410-630243/8	0.25	0.450838	5.0	180464.0	1.803351	Y
3	IC 410-630243/7	1.25	1.973584	5.0	175389.0	1.578868	Y
4	IC 410-630243/6	3.75	5.480221	5.0	185092.0	1.461392	Y
5	IC 410-630243/5	7.5	11.285012	5.0	197539.0	1.504668	Y
6	ICIS 410-630243/2	12.5	20.920478	5.0	181020.0	1.673638	Y
7	IC 410-630243/4	20.0	30.862917	5.0	184873.0	1.543146	Y
8	IC 410-630243/3	30.0	46.379966	5.0	186751.0	1.545999	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

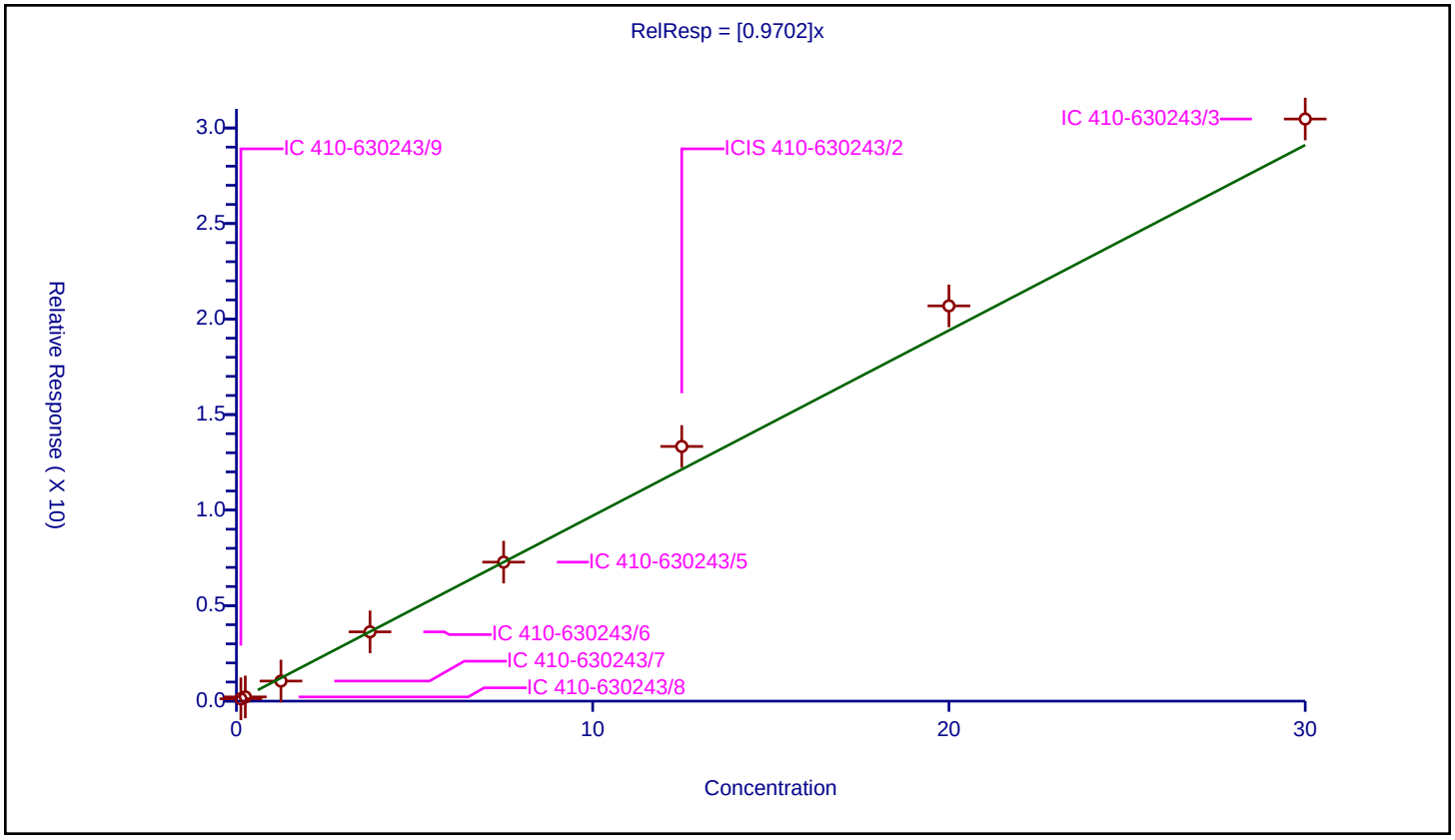
Curve Coefficients

Intercept:	0
Slope:	0.9702

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.122778	5.0	226180.0	0.982227	Y
2	IC 410-630243/8	0.25	0.221069	5.0	180464.0	0.884276	Y
3	IC 410-630243/7	1.25	1.051377	5.0	175389.0	0.841102	Y
4	IC 410-630243/6	3.75	3.627304	5.0	185092.0	0.967281	Y
5	IC 410-630243/5	7.5	7.275854	5.0	197539.0	0.970114	Y
6	ICIS 410-630243/2	12.5	13.331731	5.0	181020.0	1.066539	Y
7	IC 410-630243/4	20.0	20.689203	5.0	184873.0	1.03446	Y
8	IC 410-630243/3	30.0	30.470279	5.0	186751.0	1.015676	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

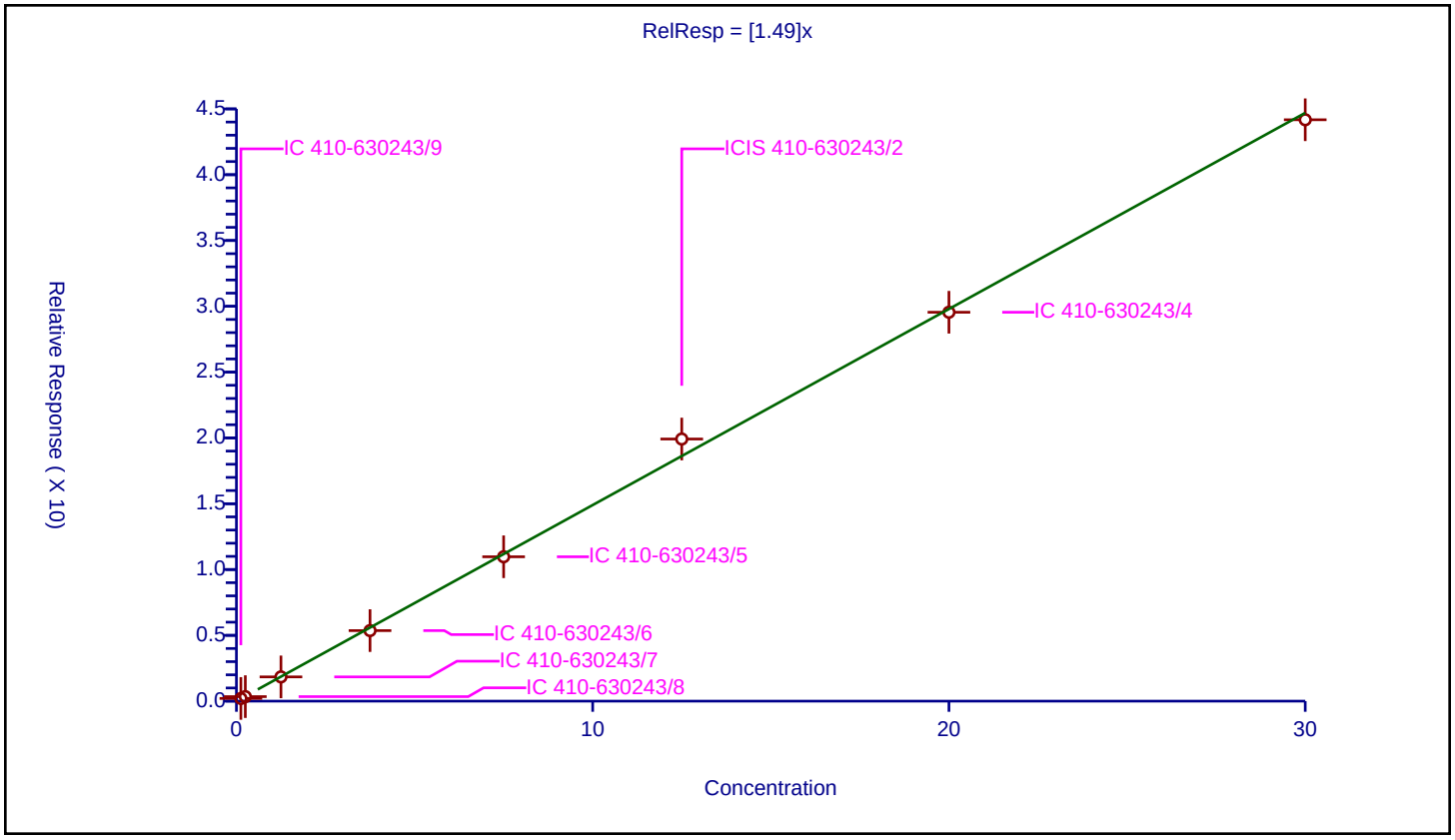
Curve Coefficients

Intercept:	0
Slope:	1.49

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.204616	5.0	226180.0	1.636926	Y
2	IC 410-630243/8	0.25	0.343032	5.0	180464.0	1.37213	Y
3	IC 410-630243/7	1.25	1.843132	5.0	175389.0	1.474505	Y
4	IC 410-630243/6	3.75	5.360713	5.0	185092.0	1.429523	Y
5	IC 410-630243/5	7.5	10.96872	5.0	197539.0	1.462496	Y
6	ICIS 410-630243/2	12.5	19.915424	5.0	181020.0	1.593234	Y
7	IC 410-630243/4	20.0	29.549529	5.0	184873.0	1.477476	Y
8	IC 410-630243/3	30.0	44.173552	5.0	186751.0	1.472452	Y



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Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

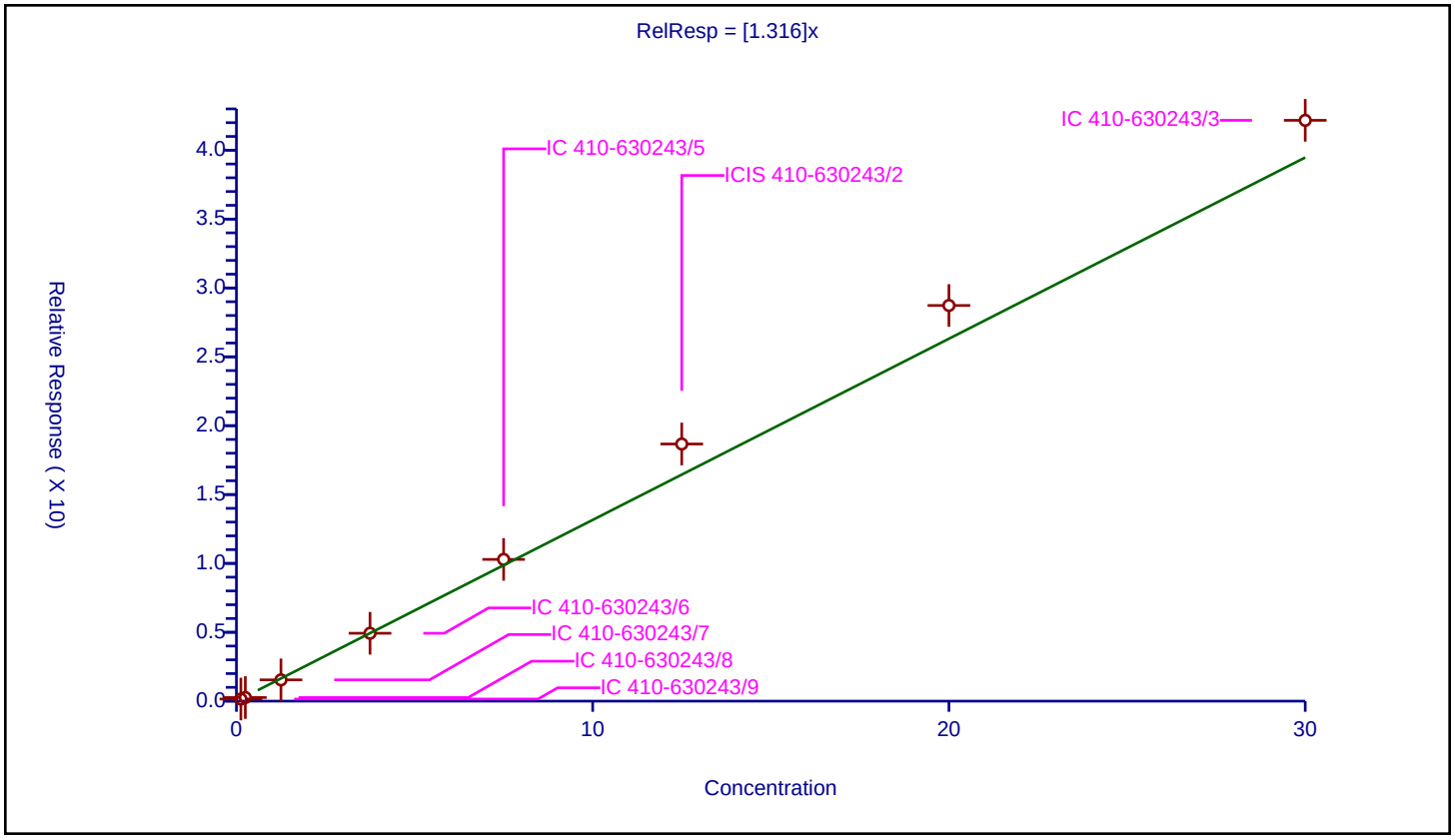
Curve Coefficients

Intercept:	0
Slope:	1.316

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.153064	5.0	226180.0	1.224511	Y
2	IC 410-630243/8	0.25	0.261105	5.0	180464.0	1.044419	Y
3	IC 410-630243/7	1.25	1.543369	5.0	175389.0	1.234695	Y
4	IC 410-630243/6	3.75	4.927739	5.0	185092.0	1.314064	Y
5	IC 410-630243/5	7.5	10.29093	5.0	197539.0	1.372124	Y
6	ICIS 410-630243/2	12.5	18.67034	5.0	181020.0	1.493627	Y
7	IC 410-630243/4	20.0	28.727316	5.0	184873.0	1.436366	Y
8	IC 410-630243/3	30.0	42.16944	5.0	186751.0	1.405648	Y



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Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

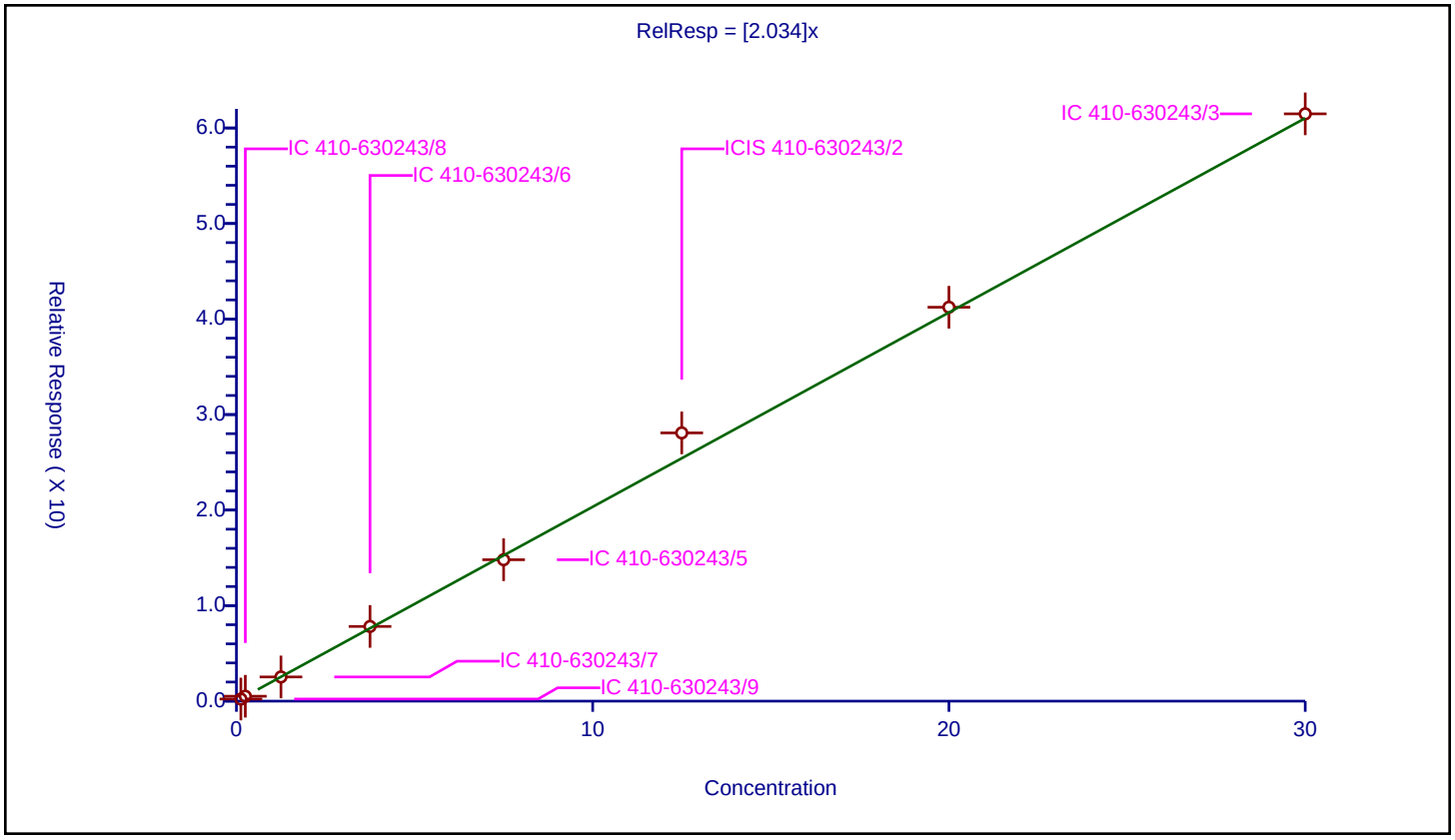
Curve Coefficients

Intercept:	0
Slope:	2.034

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.22219	5.0	226180.0	1.777522	Y
2	IC 410-630243/8	0.25	0.51326	5.0	180464.0	2.053041	Y
3	IC 410-630243/7	1.25	2.533312	5.0	175389.0	2.026649	Y
4	IC 410-630243/6	3.75	7.818679	5.0	185092.0	2.084981	Y
5	IC 410-630243/5	7.5	14.803532	5.0	197539.0	1.973804	Y
6	ICIS 410-630243/2	12.5	28.081041	5.0	181020.0	2.246483	Y
7	IC 410-630243/4	20.0	41.235713	5.0	184873.0	2.061786	Y
8	IC 410-630243/3	30.0	61.481813	5.0	186751.0	2.049394	Y



Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

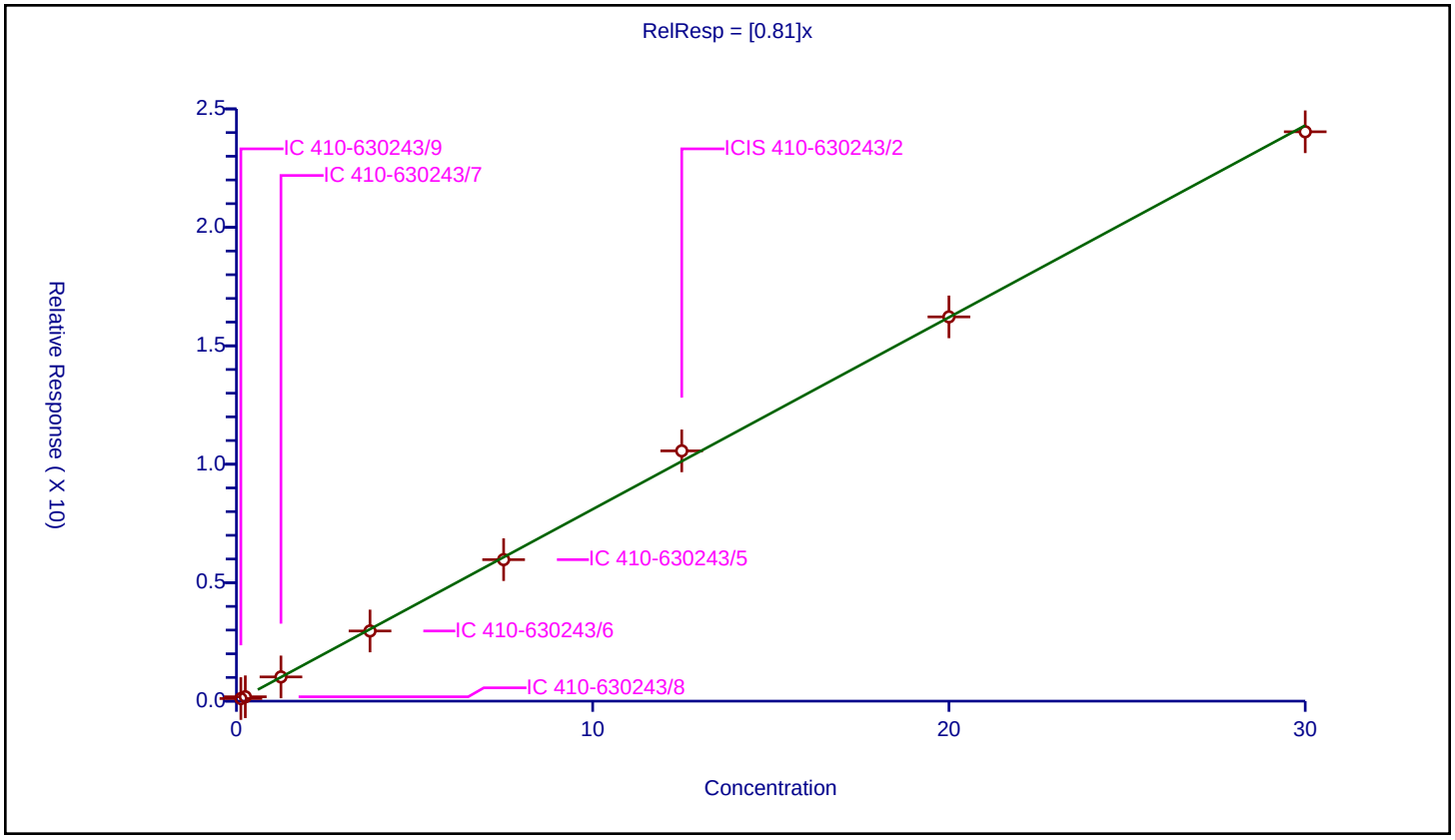
Curve Coefficients

Intercept:	0
Slope:	0.81

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.109824	5.0	226180.0	0.878592	Y
2	IC 410-630243/8	0.25	0.184912	5.0	180464.0	0.739649	Y
3	IC 410-630243/7	1.25	1.023012	5.0	175389.0	0.818409	Y
4	IC 410-630243/6	3.75	2.962338	5.0	185092.0	0.789957	Y
5	IC 410-630243/5	7.5	5.972643	5.0	197539.0	0.796352	Y
6	ICIS 410-630243/2	12.5	10.564744	5.0	181020.0	0.84518	Y
7	IC 410-630243/4	20.0	16.220243	5.0	184873.0	0.811012	Y
8	IC 410-630243/3	30.0	24.034436	5.0	186751.0	0.801148	Y



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Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

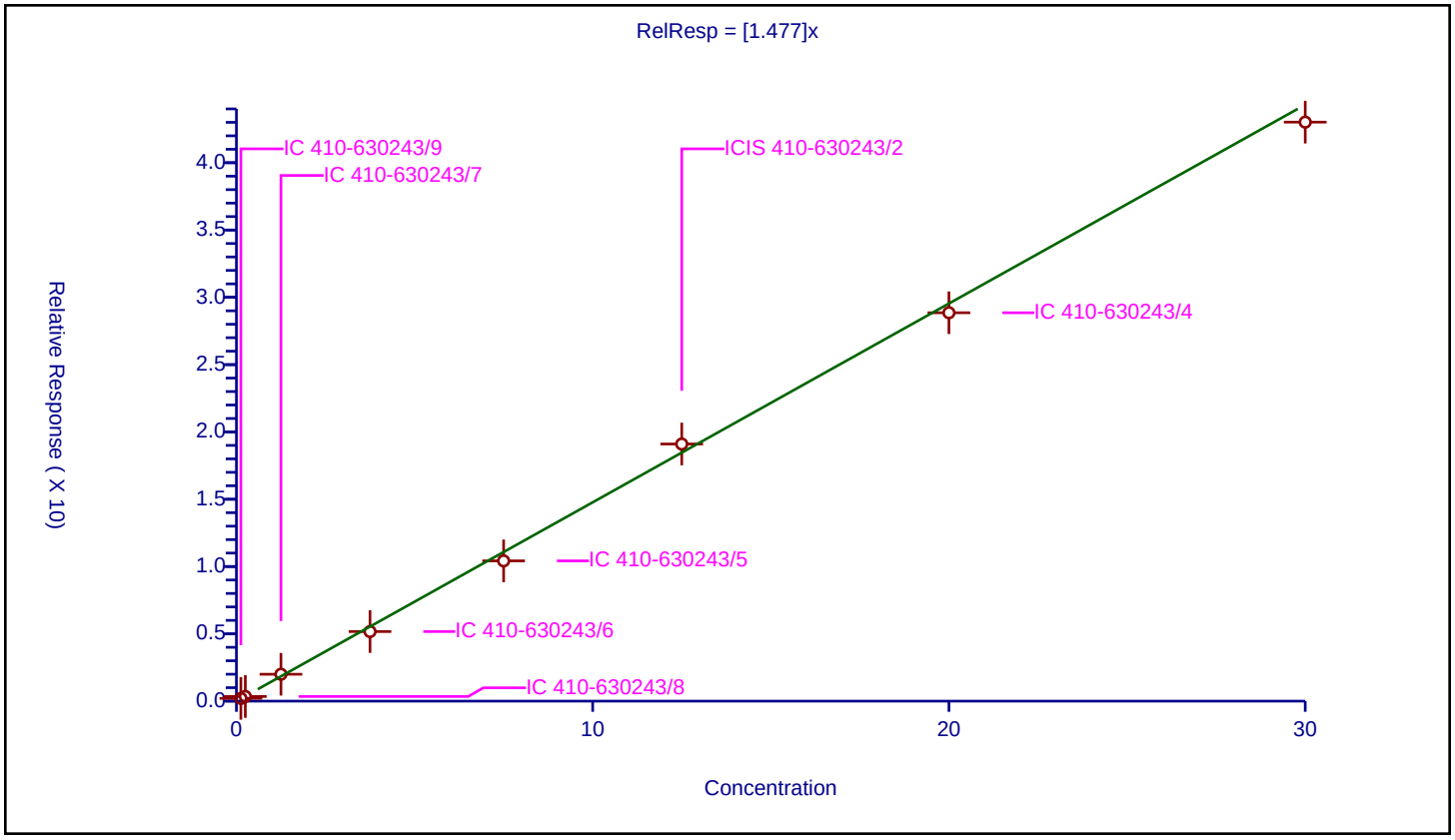
Curve Coefficients

Intercept:	0
Slope:	1.477

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.207622	5.0	226180.0	1.660978	Y
2	IC 410-630243/8	0.25	0.345914	5.0	180464.0	1.383655	Y
3	IC 410-630243/7	1.25	1.998044	5.0	175389.0	1.598435	Y
4	IC 410-630243/6	3.75	5.169294	5.0	185092.0	1.378478	Y
5	IC 410-630243/5	7.5	10.421537	5.0	197539.0	1.389538	Y
6	ICIS 410-630243/2	12.5	19.102641	5.0	181020.0	1.528211	Y
7	IC 410-630243/4	20.0	28.855485	5.0	184873.0	1.442774	Y
8	IC 410-630243/3	30.0	43.016369	5.0	186751.0	1.433879	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

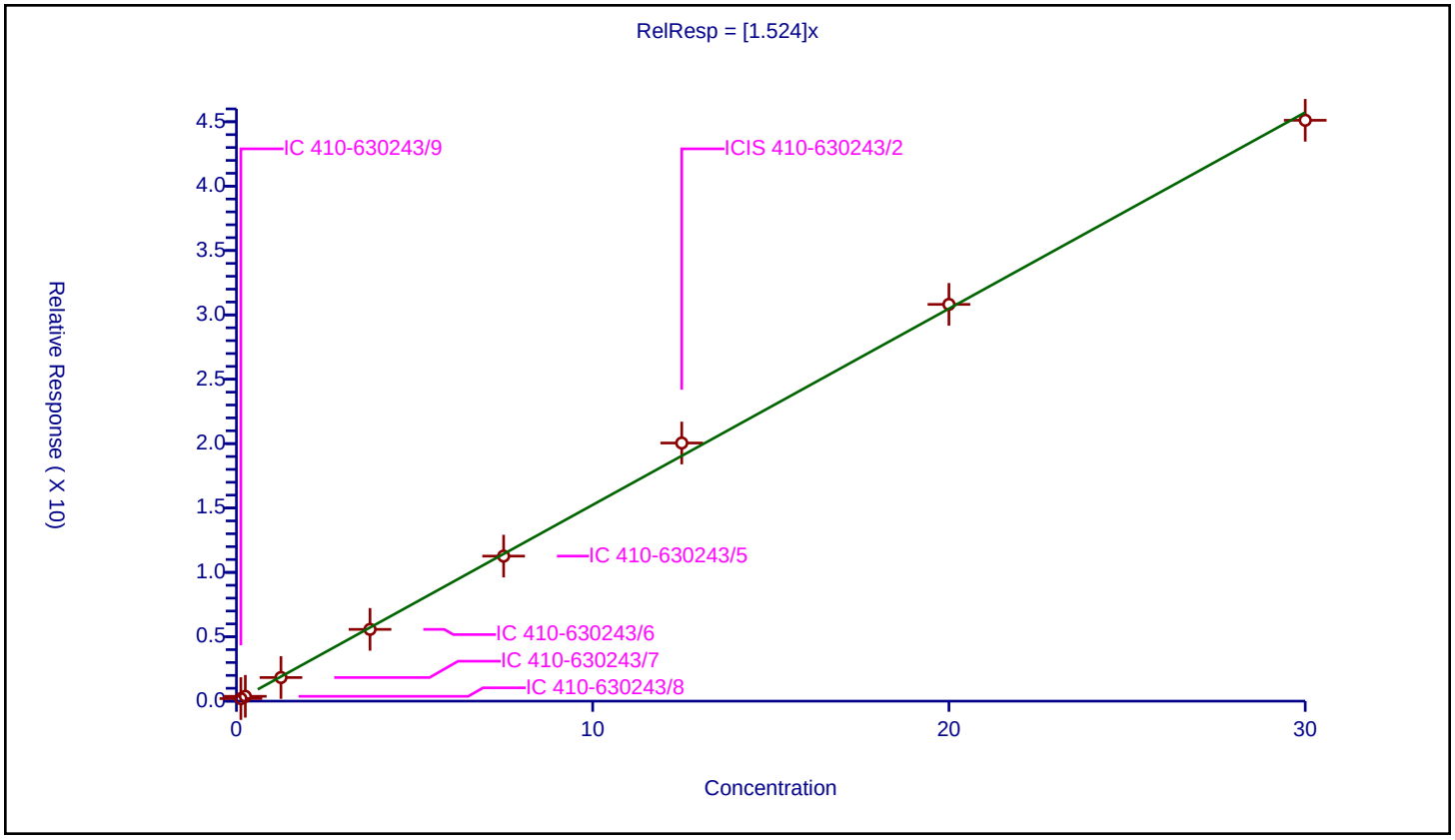
Curve Coefficients

Intercept:	0
Slope:	1.524

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.198691	5.0	226180.0	1.58953	Y
2	IC 410-630243/8	0.25	0.374978	5.0	180464.0	1.499911	Y
3	IC 410-630243/7	1.25	1.834351	5.0	175389.0	1.467481	Y
4	IC 410-630243/6	3.75	5.573823	5.0	185092.0	1.486353	Y
5	IC 410-630243/5	7.5	11.264409	5.0	197539.0	1.501921	Y
6	ICIS 410-630243/2	12.5	20.049	5.0	181020.0	1.60392	Y
7	IC 410-630243/4	20.0	30.816561	5.0	184873.0	1.540828	Y
8	IC 410-630243/3	30.0	45.115475	5.0	186751.0	1.503849	Y



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Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

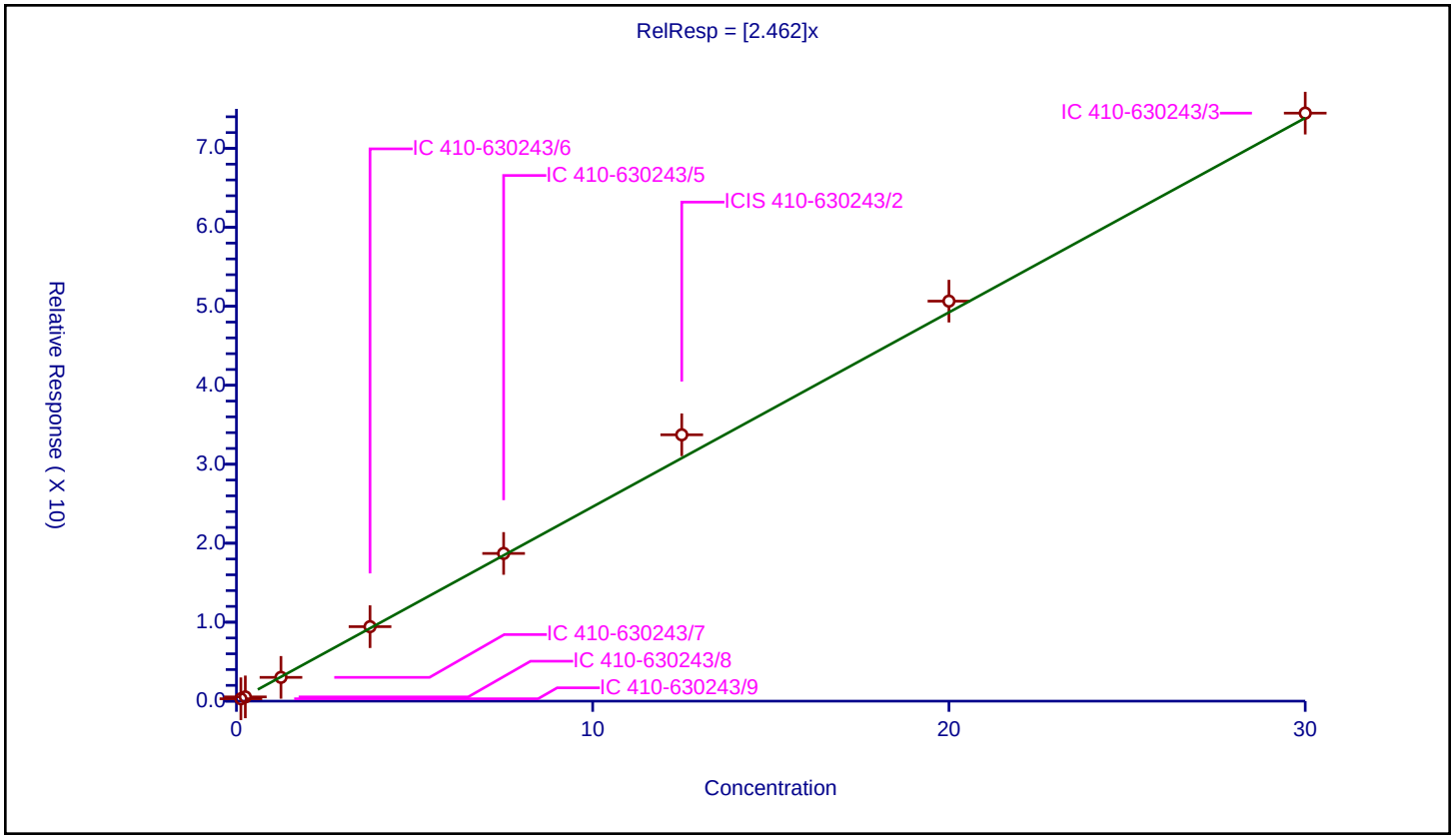
Curve Coefficients

Intercept:	0
Slope:	2.462

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.301972	5.0	226180.0	2.415775	Y
2	IC 410-630243/8	0.25	0.5367	5.0	180464.0	2.146799	Y
3	IC 410-630243/7	1.25	3.01085	5.0	175389.0	2.40868	Y
4	IC 410-630243/6	3.75	9.430986	5.0	185092.0	2.51493	Y
5	IC 410-630243/5	7.5	18.703648	5.0	197539.0	2.49382	Y
6	ICIS 410-630243/2	12.5	33.729671	5.0	181020.0	2.698374	Y
7	IC 410-630243/4	20.0	50.656234	5.0	184873.0	2.532812	Y
8	IC 410-630243/3	30.0	74.462413	5.0	186751.0	2.48208	Y



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Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

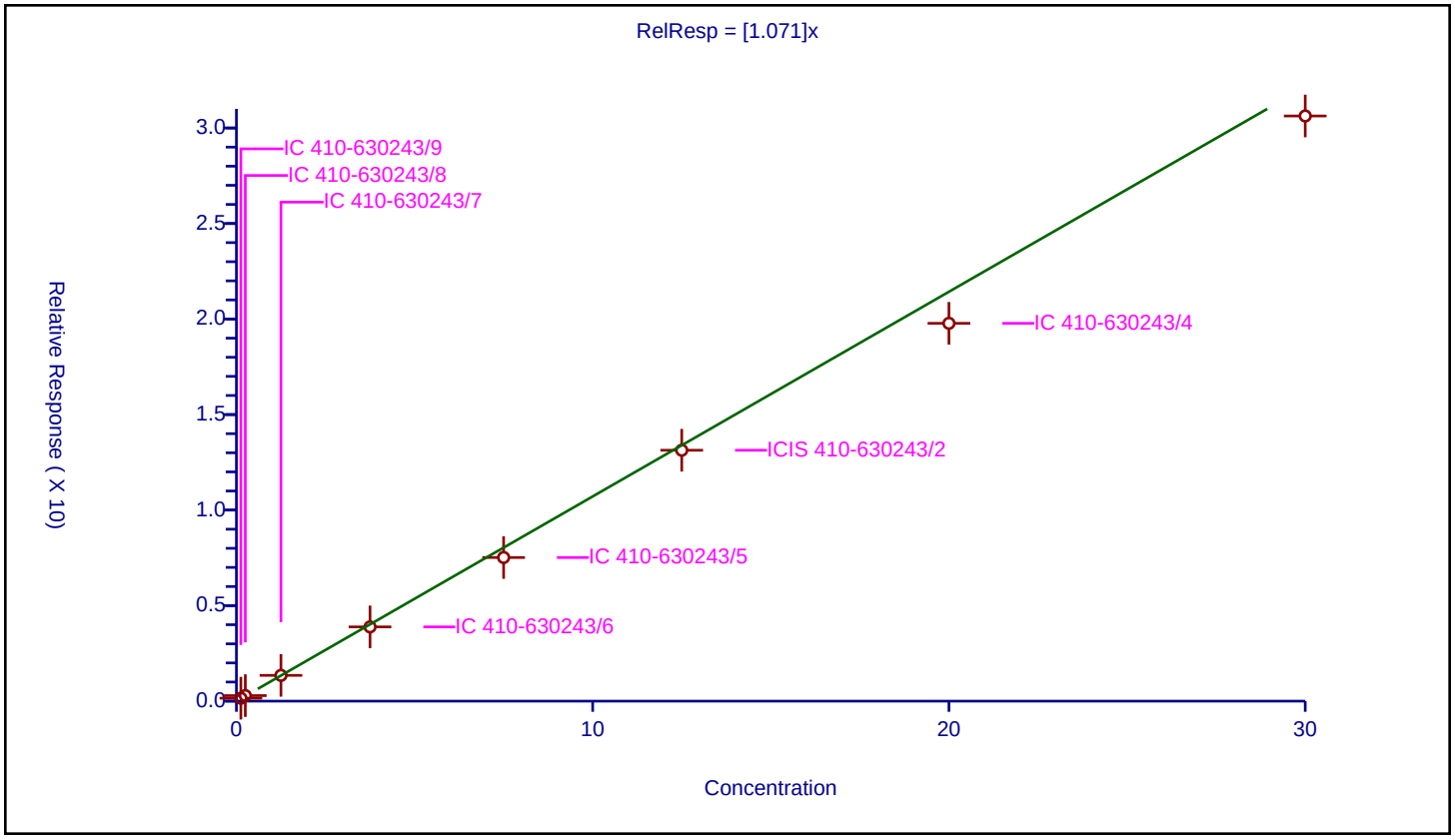
Curve Coefficients

Intercept:	0
Slope:	1.071

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.154457	5.0	226180.0	1.235653	Y
2	IC 410-630243/8	0.25	0.289559	5.0	180464.0	1.158237	Y
3	IC 410-630243/7	1.25	1.348118	5.0	175389.0	1.078494	Y
4	IC 410-630243/6	3.75	3.885446	5.0	185092.0	1.036119	Y
5	IC 410-630243/5	7.5	7.518161	5.0	197539.0	1.002421	Y
6	ICIS 410-630243/2	12.5	13.133797	5.0	181020.0	1.050704	Y
7	IC 410-630243/4	20.0	19.77563	5.0	184873.0	0.988781	Y
8	IC 410-630243/3	30.0	30.629287	5.0	186751.0	1.020976	Y



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Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

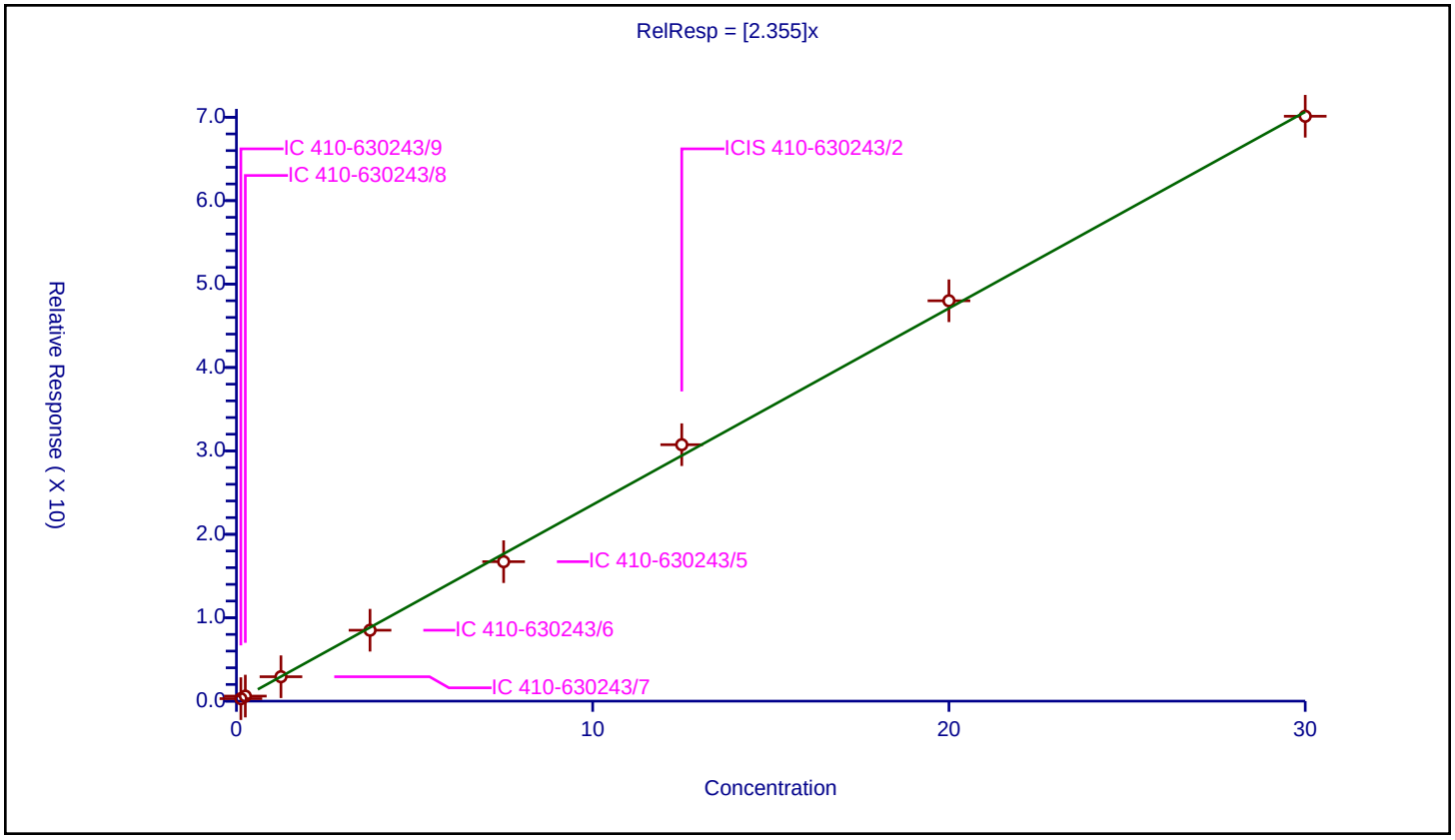
Curve Coefficients

Intercept:	0
Slope:	2.355

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.298855	5.0	226180.0	2.390839	Y
2	IC 410-630243/8	0.25	0.603472	5.0	180464.0	2.413889	Y
3	IC 410-630243/7	1.25	2.926409	5.0	175389.0	2.341127	Y
4	IC 410-630243/6	3.75	8.500313	5.0	185092.0	2.26675	Y
5	IC 410-630243/5	7.5	16.720344	5.0	197539.0	2.229379	Y
6	ICIS 410-630243/2	12.5	30.743205	5.0	181020.0	2.459456	Y
7	IC 410-630243/4	20.0	47.99795	5.0	184873.0	2.399897	Y
8	IC 410-630243/3	30.0	70.118393	5.0	186751.0	2.33728	Y



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Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

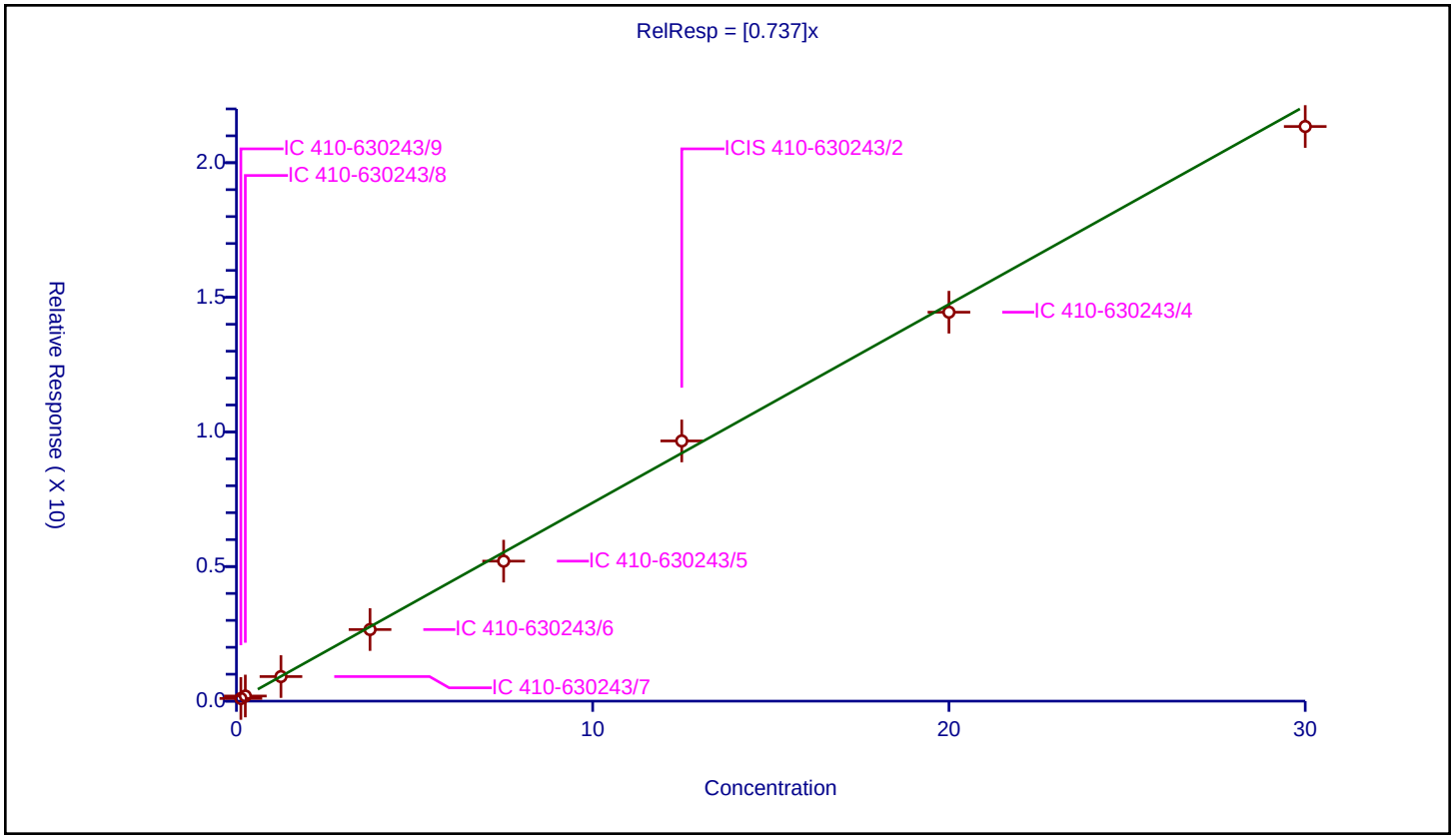
Curve Coefficients

Intercept:	0
Slope:	0.737

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.09908	5.0	226180.0	0.792643	Y
2	IC 410-630243/8	0.25	0.190897	5.0	180464.0	0.763587	Y
3	IC 410-630243/7	1.25	0.912486	5.0	175389.0	0.729989	Y
4	IC 410-630243/6	3.75	2.659596	5.0	185092.0	0.709226	Y
5	IC 410-630243/5	7.5	5.200619	5.0	197539.0	0.693416	Y
6	ICIS 410-630243/2	12.5	9.665258	5.0	181020.0	0.773221	Y
7	IC 410-630243/4	20.0	14.447891	5.0	184873.0	0.722395	Y
8	IC 410-630243/3	30.0	21.346231	5.0	186751.0	0.711541	Y



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Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

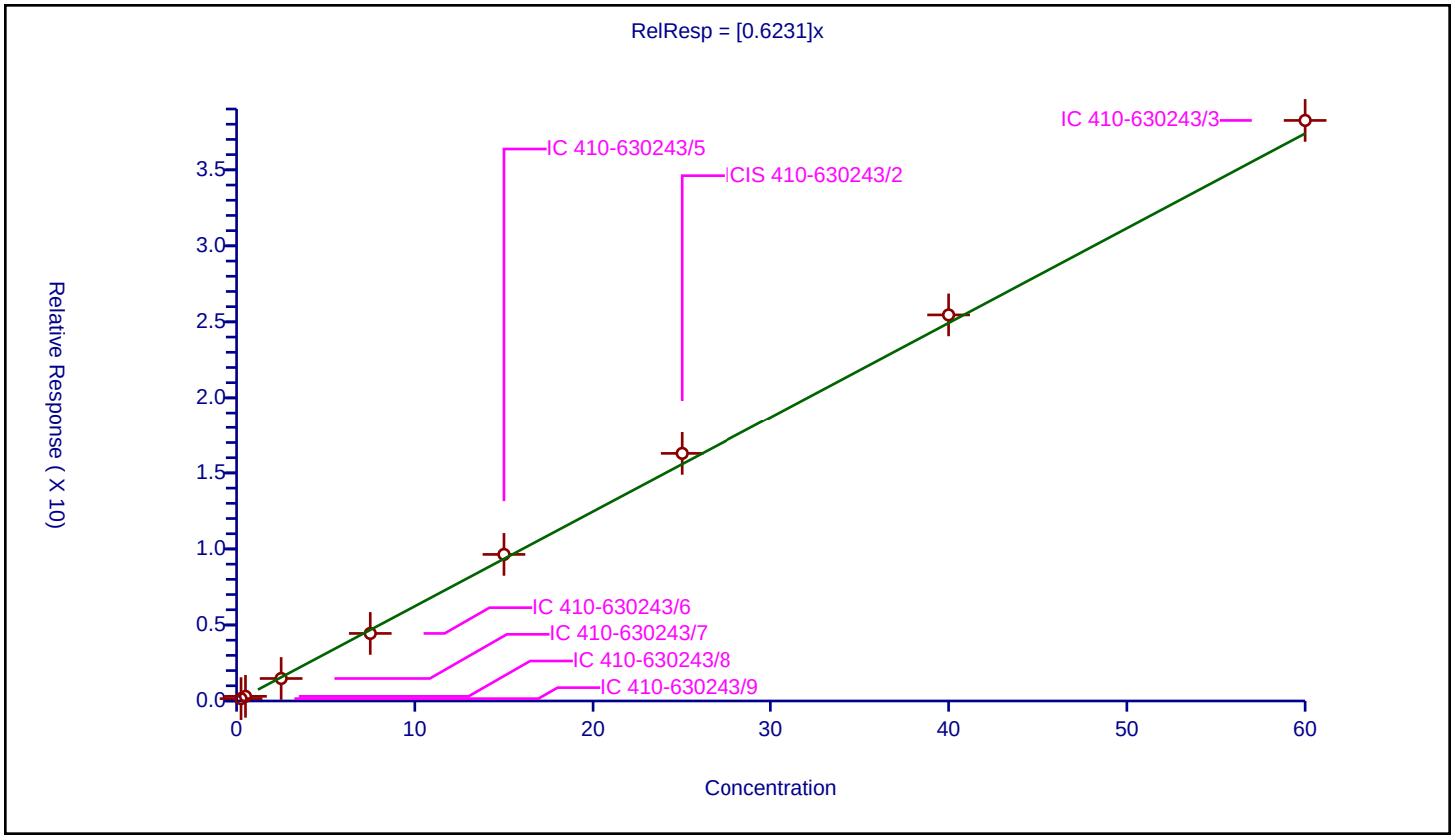
Curve Coefficients

Intercept:	0
Slope:	0.6231

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.155444	5.0	821100.0	0.621776	Y
2	IC 410-630243/8	0.5	0.305764	5.0	653036.0	0.611528	Y
3	IC 410-630243/7	2.5	1.478607	5.0	659969.0	0.591443	Y
4	IC 410-630243/6	7.5	4.443293	5.0	680232.0	0.592439	Y
5	IC 410-630243/5	15.0	9.63936	5.0	678599.0	0.642624	Y
6	ICIS 410-630243/2	25.0	16.285403	5.0	677126.0	0.651416	Y
7	IC 410-630243/4	40.0	25.458726	5.0	672526.0	0.636468	Y
8	IC 410-630243/3	60.0	38.24857	5.0	656255.0	0.637476	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

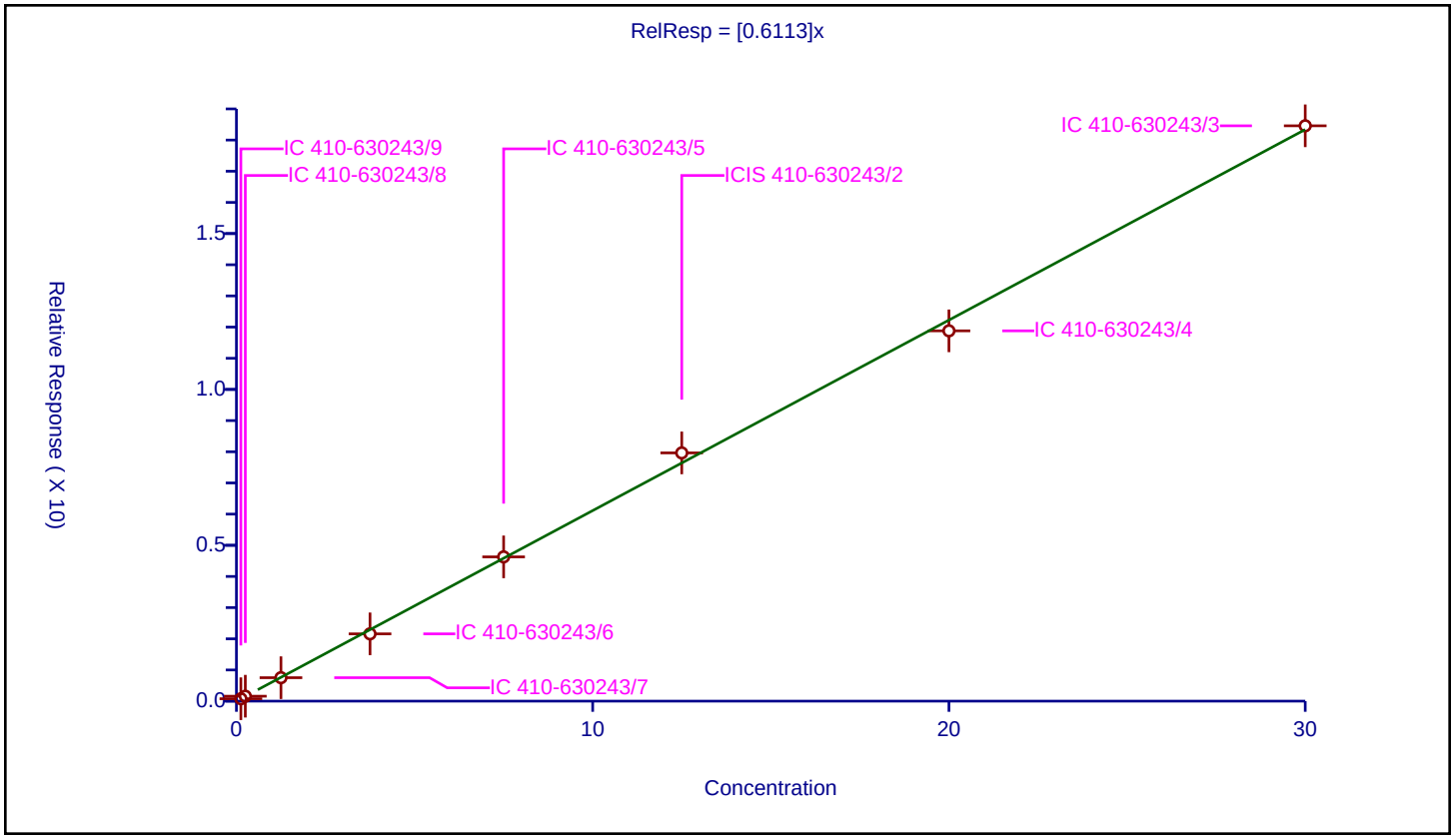
Curve Coefficients

Intercept:	0
Slope:	0.6113

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.077025	5.0	821100.0	0.616198	Y
2	IC 410-630243/8	0.25	0.158261	5.0	653036.0	0.633043	Y
3	IC 410-630243/7	1.25	0.75202	5.0	659969.0	0.601616	Y
4	IC 410-630243/6	3.75	2.159028	5.0	680232.0	0.575741	Y
5	IC 410-630243/5	7.5	4.628205	5.0	678599.0	0.617094	Y
6	ICIS 410-630243/2	12.5	7.963496	5.0	677126.0	0.63708	Y
7	IC 410-630243/4	20.0	11.880121	5.0	672526.0	0.594006	Y
8	IC 410-630243/3	30.0	18.457505	5.0	656255.0	0.61525	Y



Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

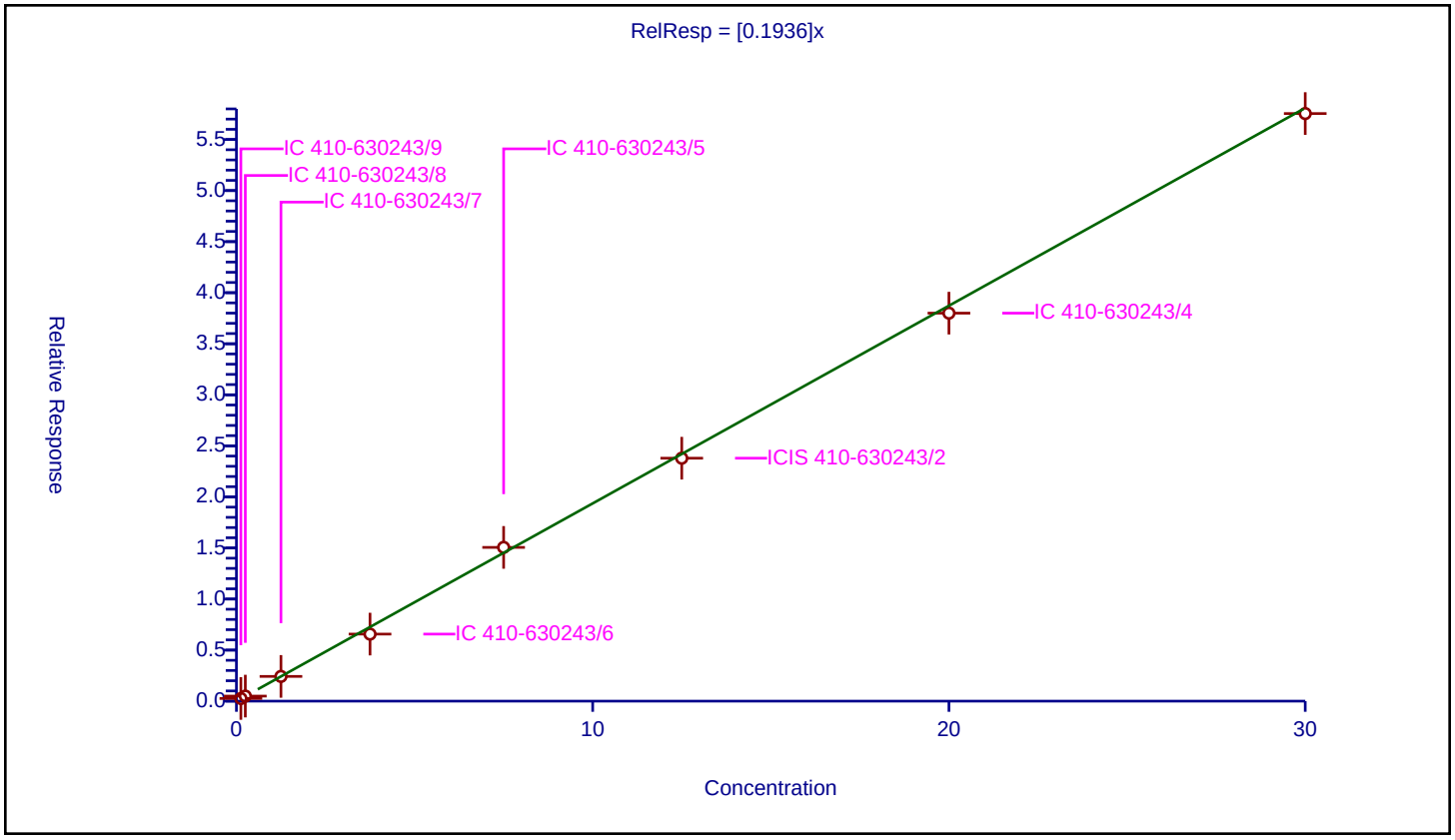
Curve Coefficients

Intercept:	0
Slope:	0.1936

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.026142	5.0	821100.0	0.209134	Y
2	IC 410-630243/8	0.25	0.049553	5.0	653036.0	0.198213	Y
3	IC 410-630243/7	1.25	0.242133	5.0	659969.0	0.193706	Y
4	IC 410-630243/6	3.75	0.656592	5.0	680232.0	0.175091	Y
5	IC 410-630243/5	7.5	1.505698	5.0	678599.0	0.20076	Y
6	ICIS 410-630243/2	12.5	2.379136	5.0	677126.0	0.190331	Y
7	IC 410-630243/4	20.0	3.799801	5.0	672526.0	0.18999	Y
8	IC 410-630243/3	30.0	5.754249	5.0	656255.0	0.191808	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

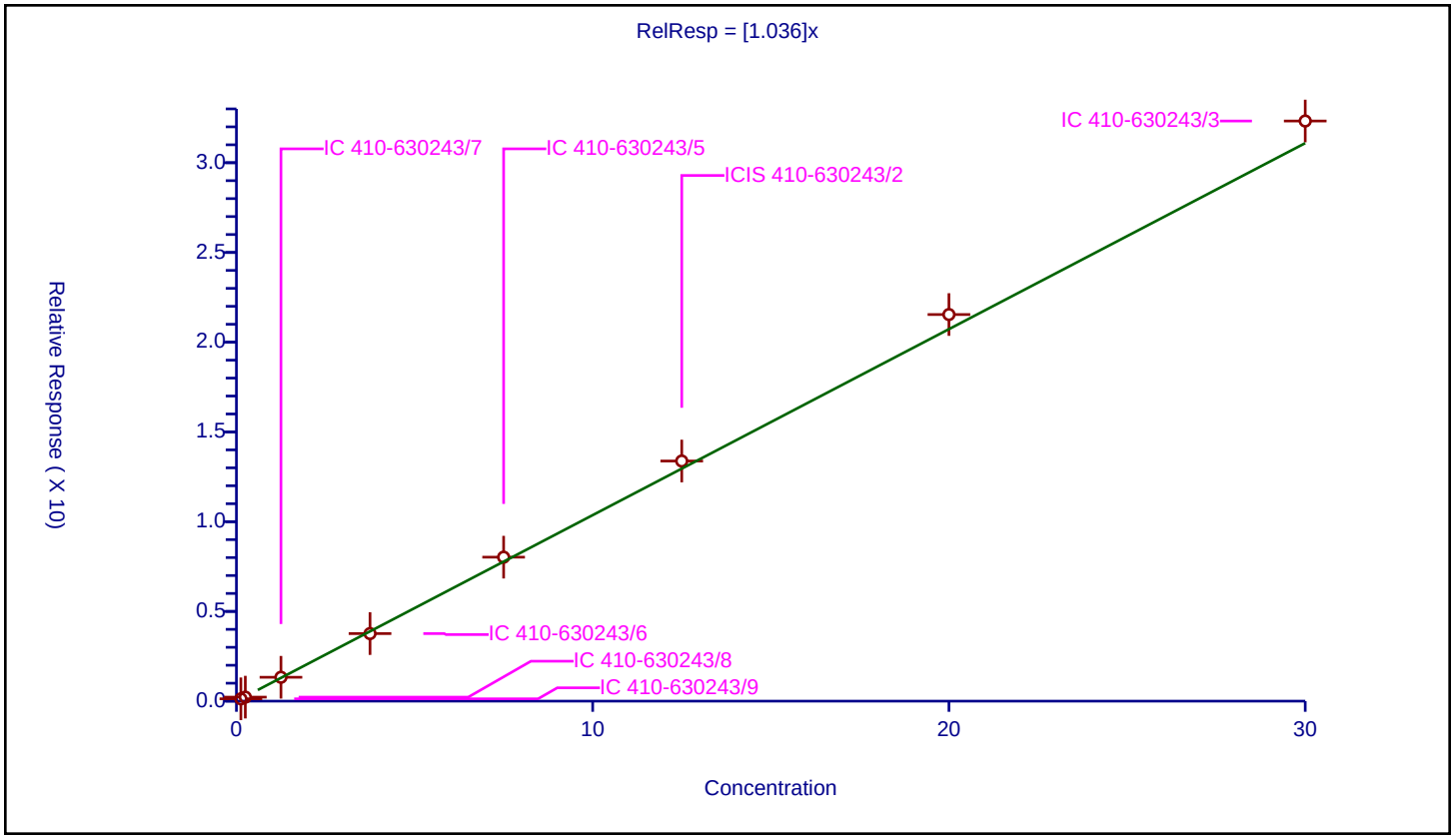
Curve Coefficients

Intercept:	0
Slope:	1.036

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.12946	5.0	821100.0	1.035684	Y
2	IC 410-630243/8	0.25	0.223341	5.0	653036.0	0.893366	Y
3	IC 410-630243/7	1.25	1.329729	5.0	659969.0	1.063783	Y
4	IC 410-630243/6	3.75	3.764341	5.0	680232.0	1.003824	Y
5	IC 410-630243/5	7.5	8.021527	5.0	678599.0	1.069537	Y
6	ICIS 410-630243/2	12.5	13.378972	5.0	677126.0	1.070318	Y
7	IC 410-630243/4	20.0	21.54139	5.0	672526.0	1.07707	Y
8	IC 410-630243/3	30.0	32.324287	5.0	656255.0	1.077476	Y



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Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

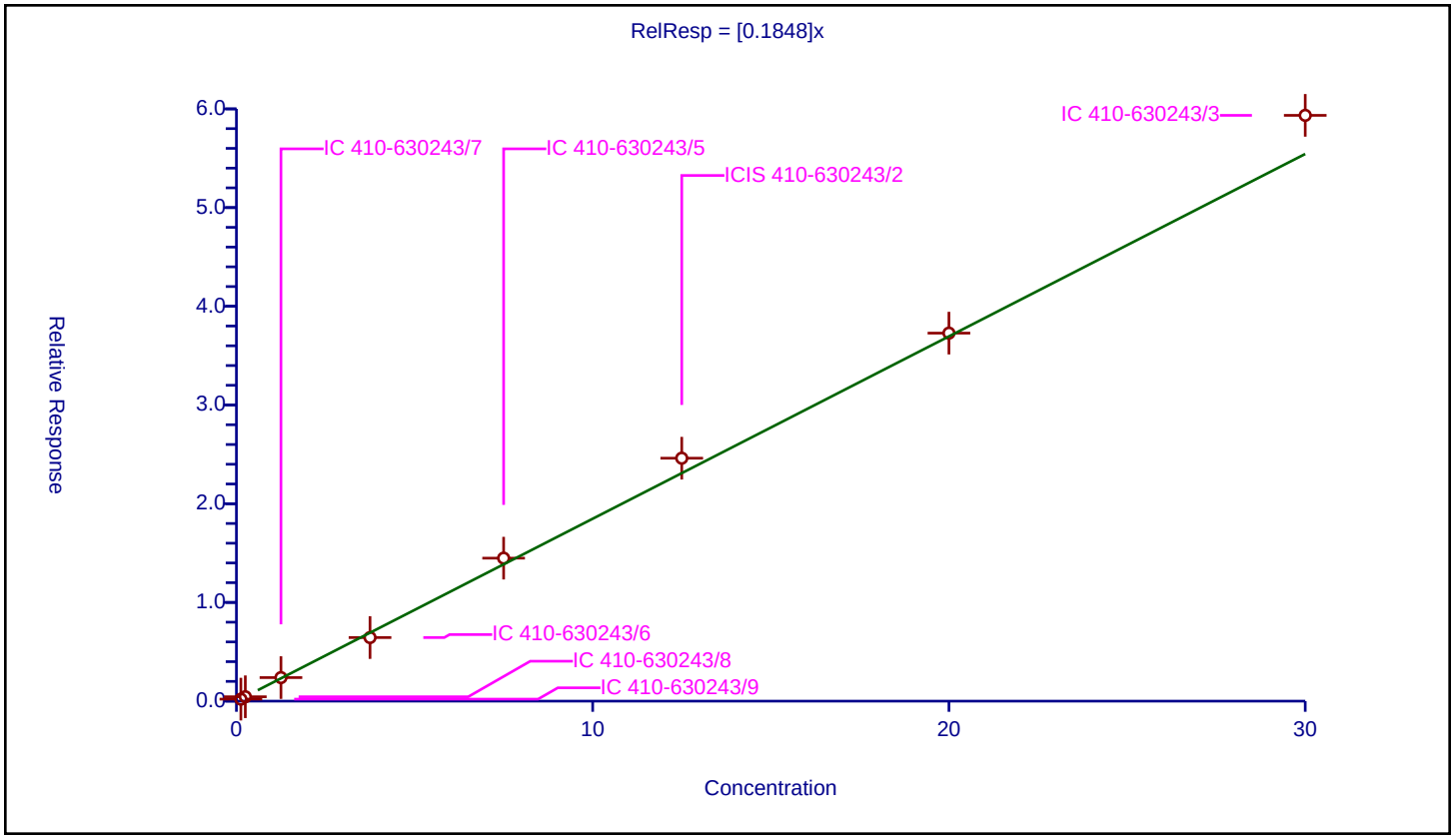
Curve Coefficients

Intercept:	0
Slope:	0.1848

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.020442	5.0	821100.0	0.163537	Y
2	IC 410-630243/8	0.25	0.044439	5.0	653036.0	0.177754	Y
3	IC 410-630243/7	1.25	0.238526	5.0	659969.0	0.190821	Y
4	IC 410-630243/6	3.75	0.64428	5.0	680232.0	0.171808	Y
5	IC 410-630243/5	7.5	1.448617	5.0	678599.0	0.193149	Y
6	ICIS 410-630243/2	12.5	2.461351	5.0	677126.0	0.196908	Y
7	IC 410-630243/4	20.0	3.728369	5.0	672526.0	0.186418	Y
8	IC 410-630243/3	30.0	5.934454	5.0	656255.0	0.197815	Y



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Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

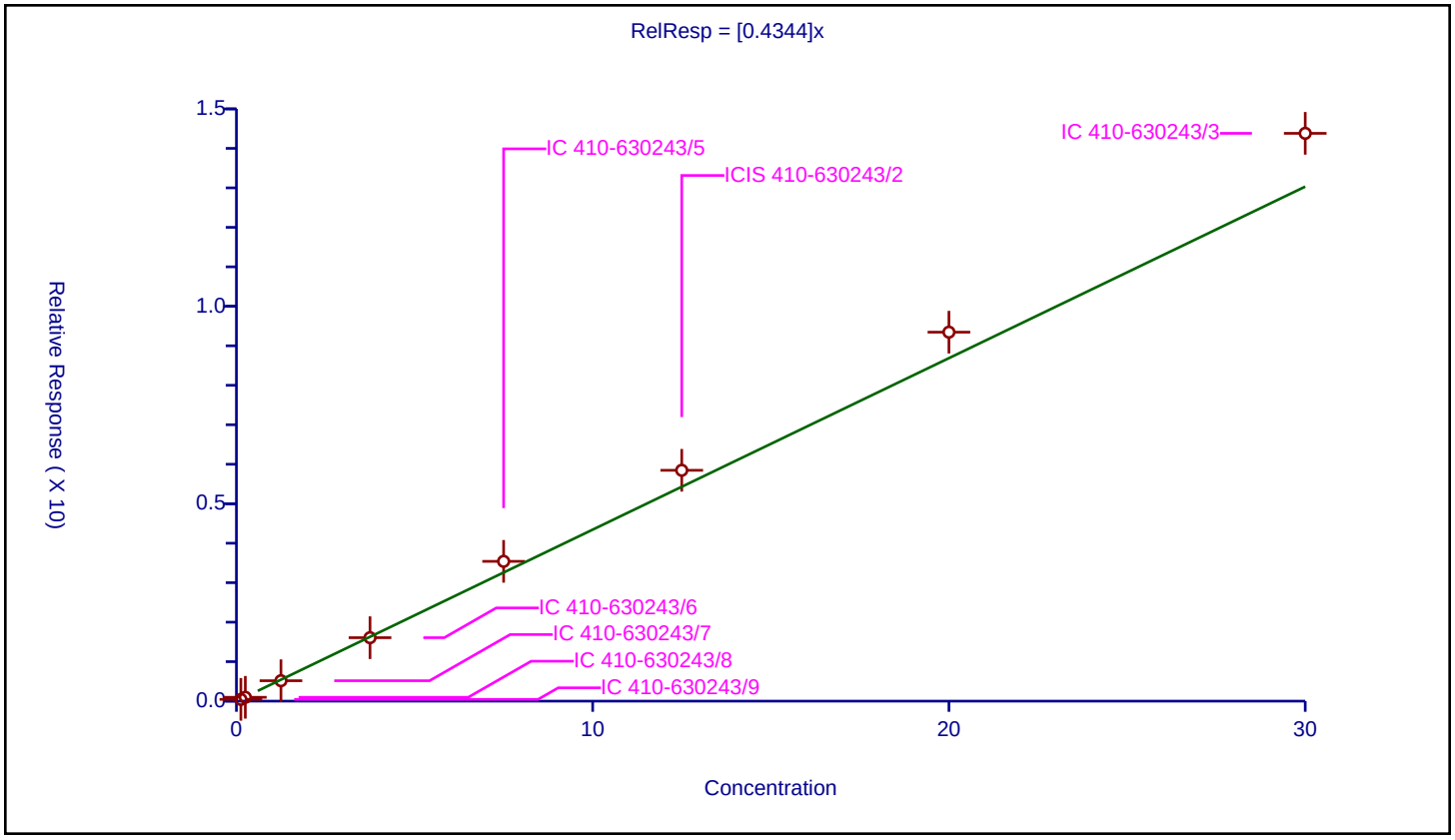
Curve Coefficients

Intercept:	0
Slope:	0.4344

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.04458	5.0	821100.0	0.356644	Y
2	IC 410-630243/8	0.25	0.097437	5.0	653036.0	0.389749	Y
3	IC 410-630243/7	1.25	0.516918	5.0	659969.0	0.413535	Y
4	IC 410-630243/6	3.75	1.607069	5.0	680232.0	0.428552	Y
5	IC 410-630243/5	7.5	3.540626	5.0	678599.0	0.472083	Y
6	ICIS 410-630243/2	12.5	5.846563	5.0	677126.0	0.467725	Y
7	IC 410-630243/4	20.0	9.345304	5.0	672526.0	0.467265	Y
8	IC 410-630243/3	30.0	14.380911	5.0	656255.0	0.479364	Y



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Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

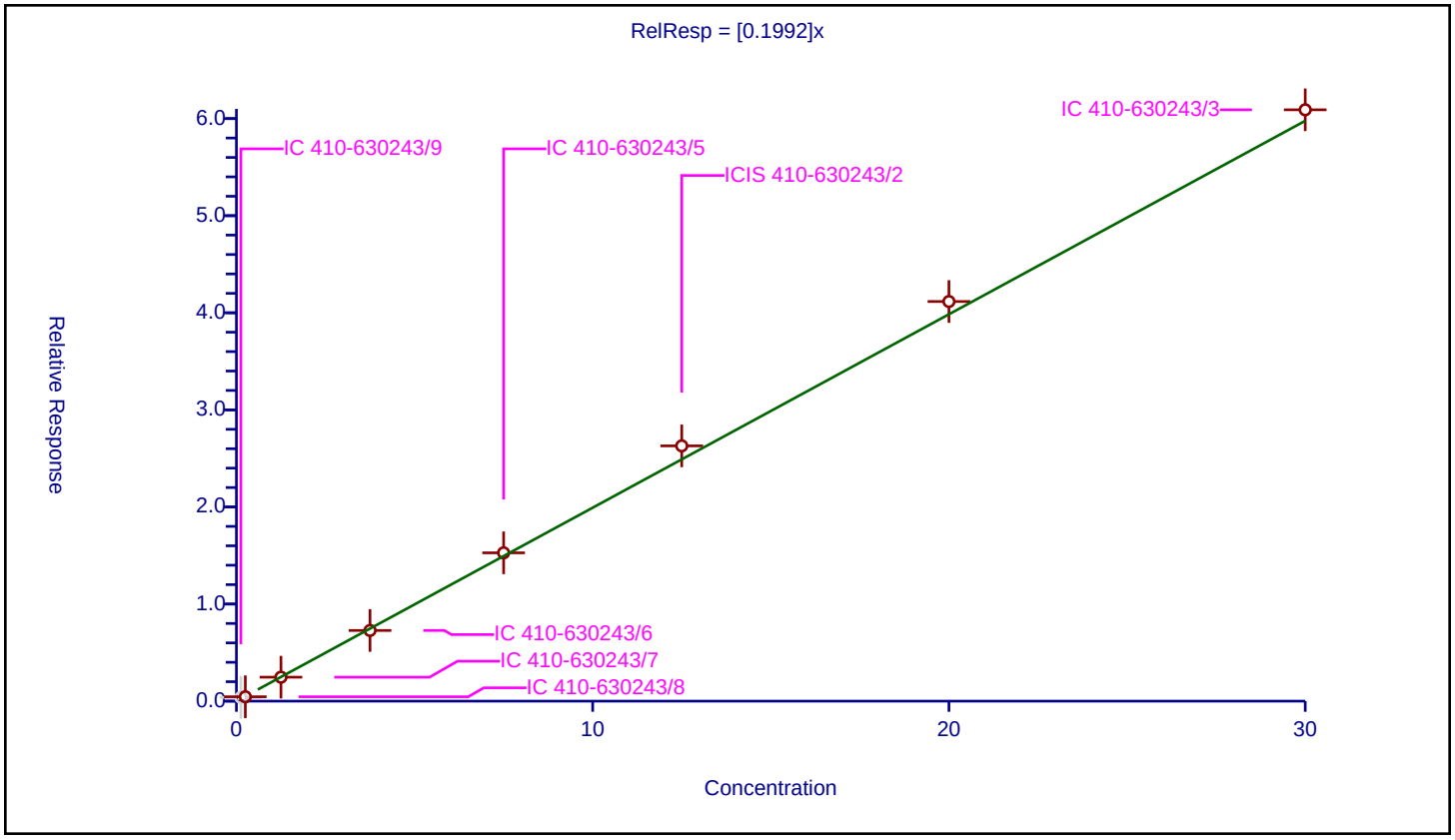
Curve Coefficients

Intercept:	0
Slope:	0.1992

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.038448	5.0	821100.0	0.307587	N
2	IC 410-630243/8	0.25	0.045059	5.0	653036.0	0.180235	Y
3	IC 410-630243/7	1.25	0.246716	5.0	659969.0	0.197373	Y
4	IC 410-630243/6	3.75	0.727994	5.0	680232.0	0.194132	Y
5	IC 410-630243/5	7.5	1.527448	5.0	678599.0	0.20366	Y
6	ICIS 410-630243/2	12.5	2.629171	5.0	677126.0	0.210334	Y
7	IC 410-630243/4	20.0	4.116183	5.0	672526.0	0.205809	Y
8	IC 410-630243/3	30.0	6.090582	5.0	656255.0	0.203019	Y



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Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

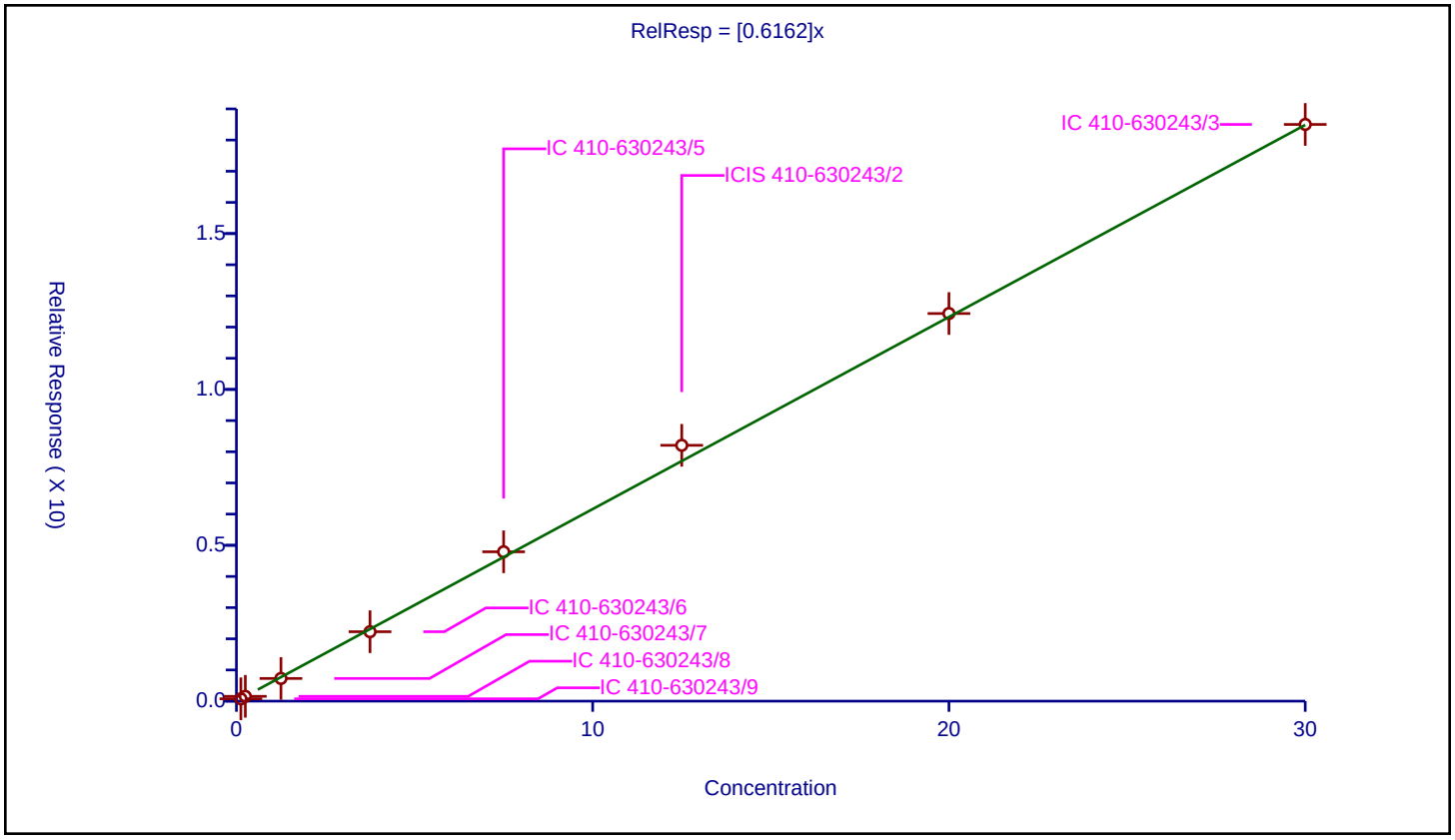
Curve Coefficients

Intercept:	0
Slope:	0.6162

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.075454	5.0	821100.0	0.603629	Y
2	IC 410-630243/8	0.25	0.153988	5.0	653036.0	0.615954	Y
3	IC 410-630243/7	1.25	0.727701	5.0	659969.0	0.582161	Y
4	IC 410-630243/6	3.75	2.226946	5.0	680232.0	0.593852	Y
5	IC 410-630243/5	7.5	4.791541	5.0	678599.0	0.638872	Y
6	ICIS 410-630243/2	12.5	8.207372	5.0	677126.0	0.65659	Y
7	IC 410-630243/4	20.0	12.434969	5.0	672526.0	0.621748	Y
8	IC 410-630243/3	30.0	18.501269	5.0	656255.0	0.616709	Y



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Calibration / alpha,alpha-Dimethyl phenethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

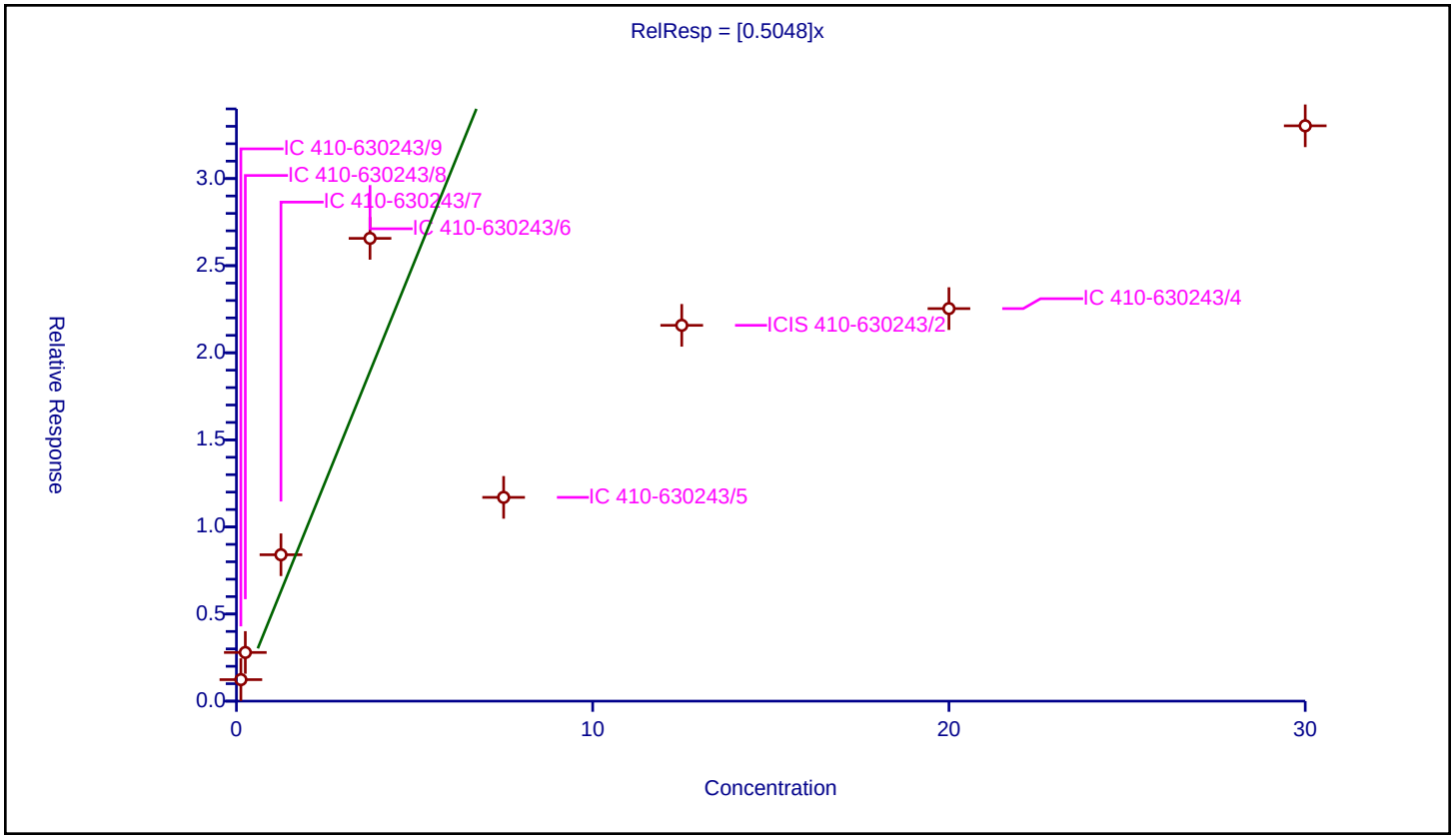
Curve Coefficients

Intercept:	0
Slope:	0.5048

Error Coefficients

Relative Standard Deviation:	82.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.123493	5.0	821100.0	0.987943	Y
2	IC 410-630243/8	0.25	0.279472	5.0	653036.0	1.117886	Y
3	IC 410-630243/7	1.25	0.840486	5.0	659969.0	0.672389	Y
4	IC 410-630243/6	3.75	2.656726	5.0	680232.0	0.70846	Y
5	IC 410-630243/5	7.5	1.169763	5.0	678599.0	0.155968	Y
6	ICIS 410-630243/2	12.5	2.157523	5.0	677126.0	0.172602	Y
7	IC 410-630243/4	20.0	2.253593	5.0	672526.0	0.11268	Y
8	IC 410-630243/3	30.0	3.302901	5.0	656255.0	0.110097	Y



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Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

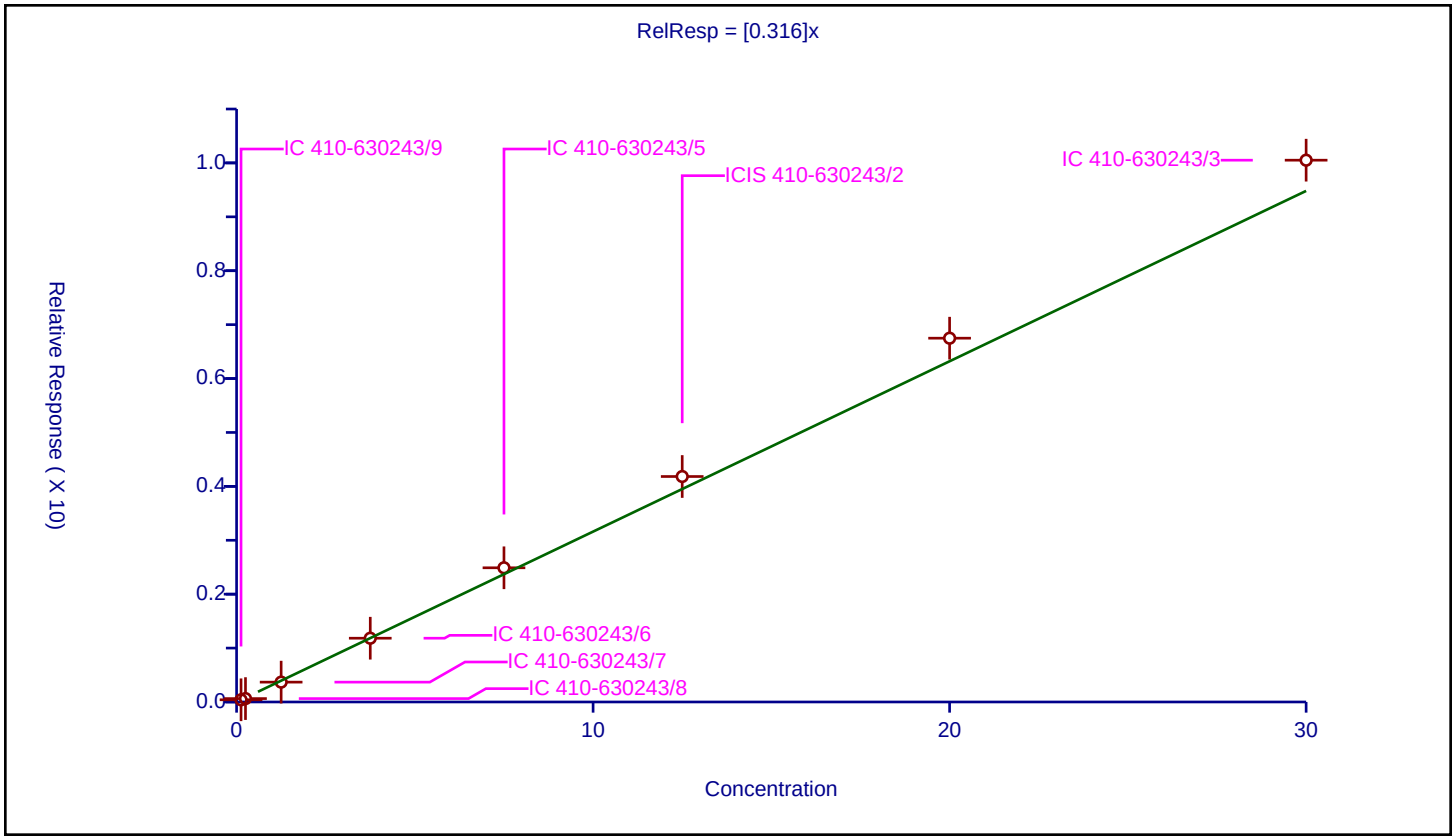
Curve Coefficients

Intercept:	0
Slope:	0.316

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.040817	5.0	821100.0	0.326538	Y
2	IC 410-630243/8	0.25	0.063212	5.0	653036.0	0.25285	Y
3	IC 410-630243/7	1.25	0.36807	5.0	659969.0	0.294456	Y
4	IC 410-630243/6	3.75	1.182795	5.0	680232.0	0.315412	Y
5	IC 410-630243/5	7.5	2.489651	5.0	678599.0	0.331954	Y
6	ICIS 410-630243/2	12.5	4.182634	5.0	677126.0	0.334611	Y
7	IC 410-630243/4	20.0	6.748587	5.0	672526.0	0.337429	Y
8	IC 410-630243/3	30.0	10.050704	5.0	656255.0	0.335023	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

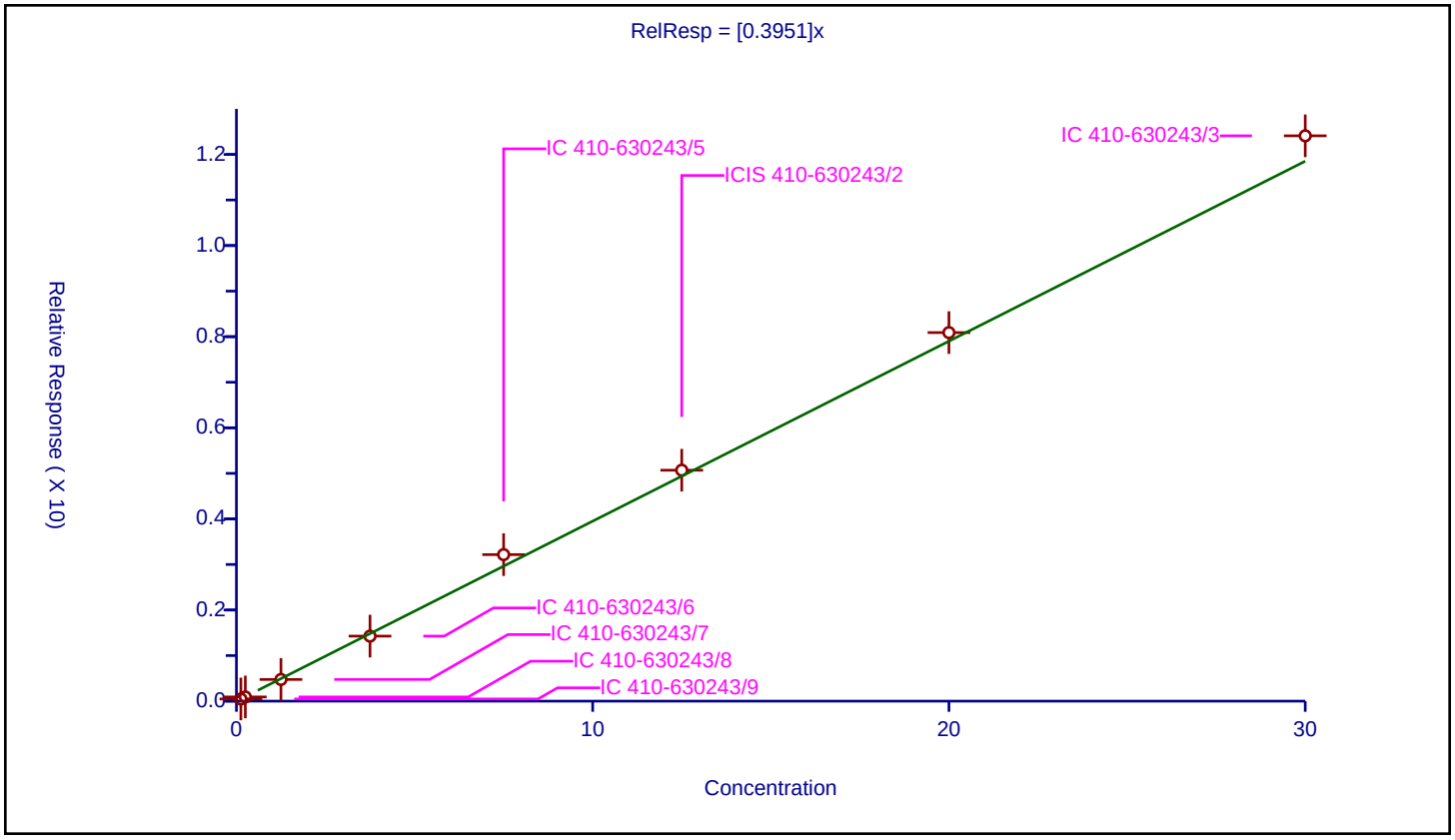
Curve Coefficients

Intercept:	0
Slope:	0.3951

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0474	5.0	821100.0	0.379199	Y
2	IC 410-630243/8	0.25	0.091909	5.0	653036.0	0.367637	Y
3	IC 410-630243/7	1.25	0.475681	5.0	659969.0	0.380545	Y
4	IC 410-630243/6	3.75	1.427263	5.0	680232.0	0.380603	Y
5	IC 410-630243/5	7.5	3.21606	5.0	678599.0	0.428808	Y
6	ICIS 410-630243/2	12.5	5.068806	5.0	677126.0	0.405504	Y
7	IC 410-630243/4	20.0	8.089955	5.0	672526.0	0.404498	Y
8	IC 410-630243/3	30.0	12.409018	5.0	656255.0	0.413634	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

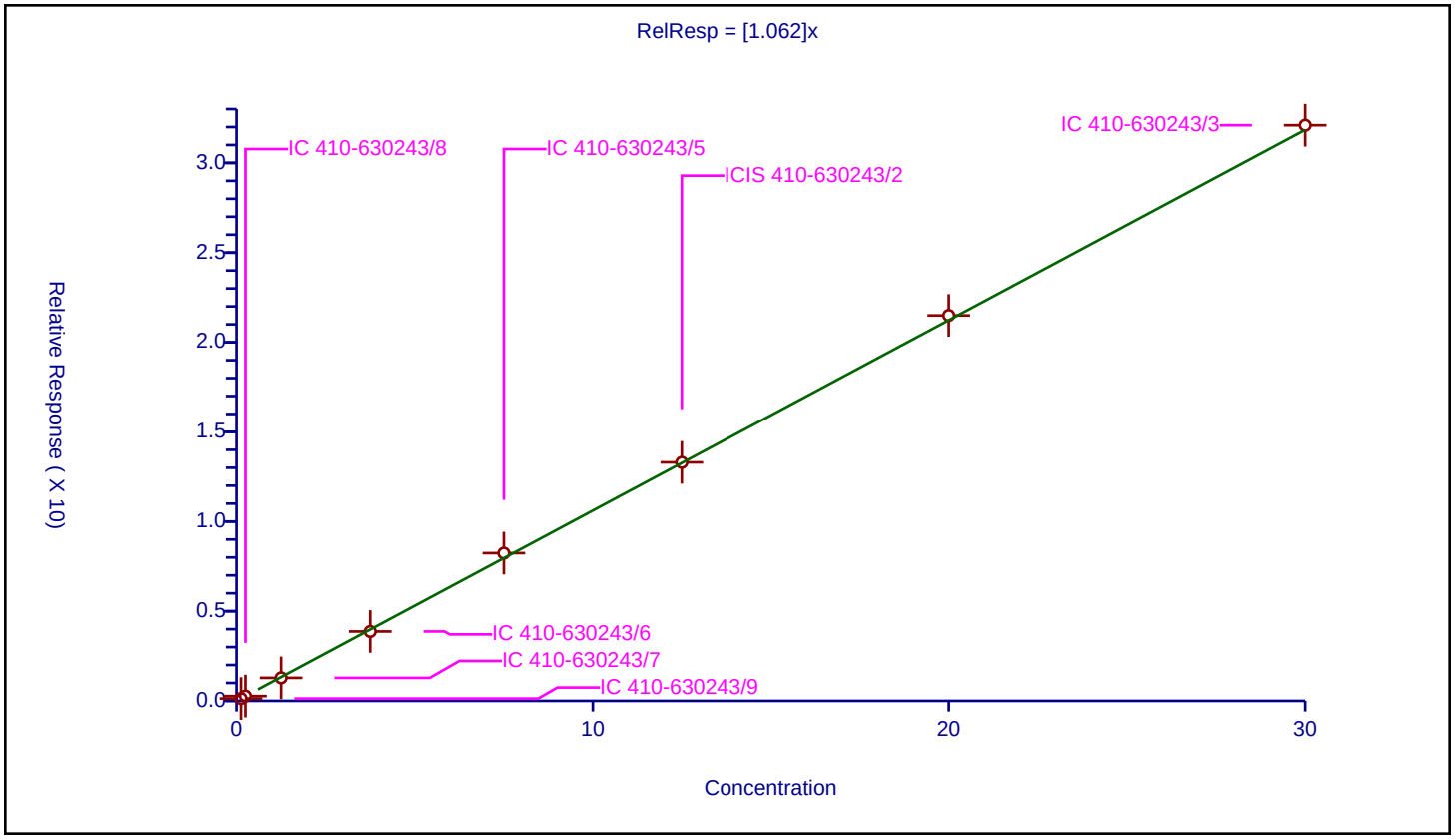
Curve Coefficients

Intercept:	0
Slope:	1.062

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.131787	5.0	821100.0	1.054293	Y
2	IC 410-630243/8	0.25	0.267926	5.0	653036.0	1.071702	Y
3	IC 410-630243/7	1.25	1.283128	5.0	659969.0	1.026503	Y
4	IC 410-630243/6	3.75	3.870863	5.0	680232.0	1.03223	Y
5	IC 410-630243/5	7.5	8.239638	5.0	678599.0	1.098618	Y
6	ICIS 410-630243/2	12.5	13.301202	5.0	677126.0	1.064096	Y
7	IC 410-630243/4	20.0	21.496061	5.0	672526.0	1.074803	Y
8	IC 410-630243/3	30.0	32.101058	5.0	656255.0	1.070035	Y



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Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

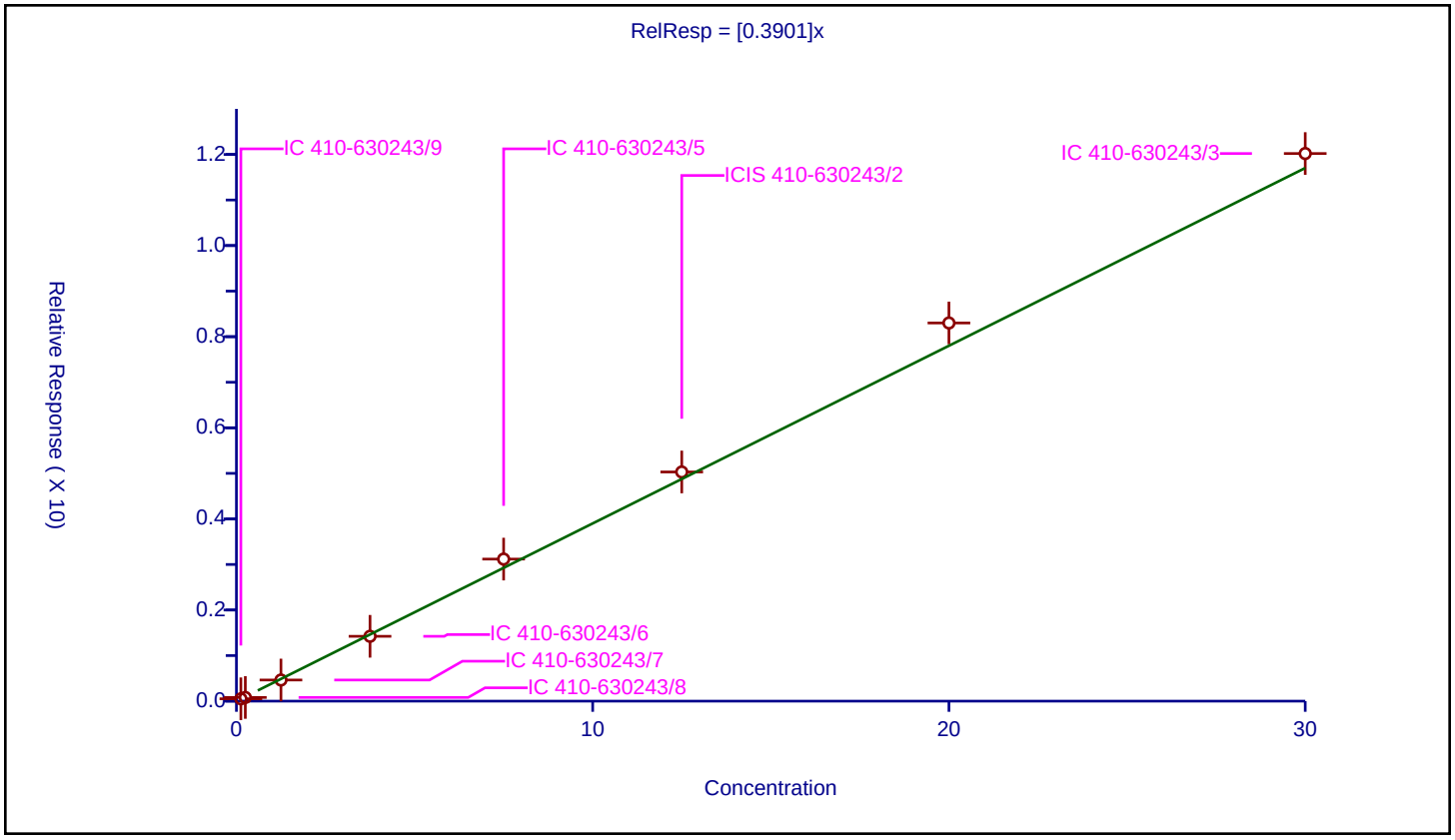
Curve Coefficients

Intercept:	0
Slope:	0.3901

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.051535	5.0	821100.0	0.412276	Y
2	IC 410-630243/8	0.25	0.08093	5.0	653036.0	0.323719	Y
3	IC 410-630243/7	1.25	0.463772	5.0	659969.0	0.371017	Y
4	IC 410-630243/6	3.75	1.423478	5.0	680232.0	0.379594	Y
5	IC 410-630243/5	7.5	3.118263	5.0	678599.0	0.415768	Y
6	ICIS 410-630243/2	12.5	5.030415	5.0	677126.0	0.402433	Y
7	IC 410-630243/4	20.0	8.300512	5.0	672526.0	0.415026	Y
8	IC 410-630243/3	30.0	12.020015	5.0	656255.0	0.400667	Y



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Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

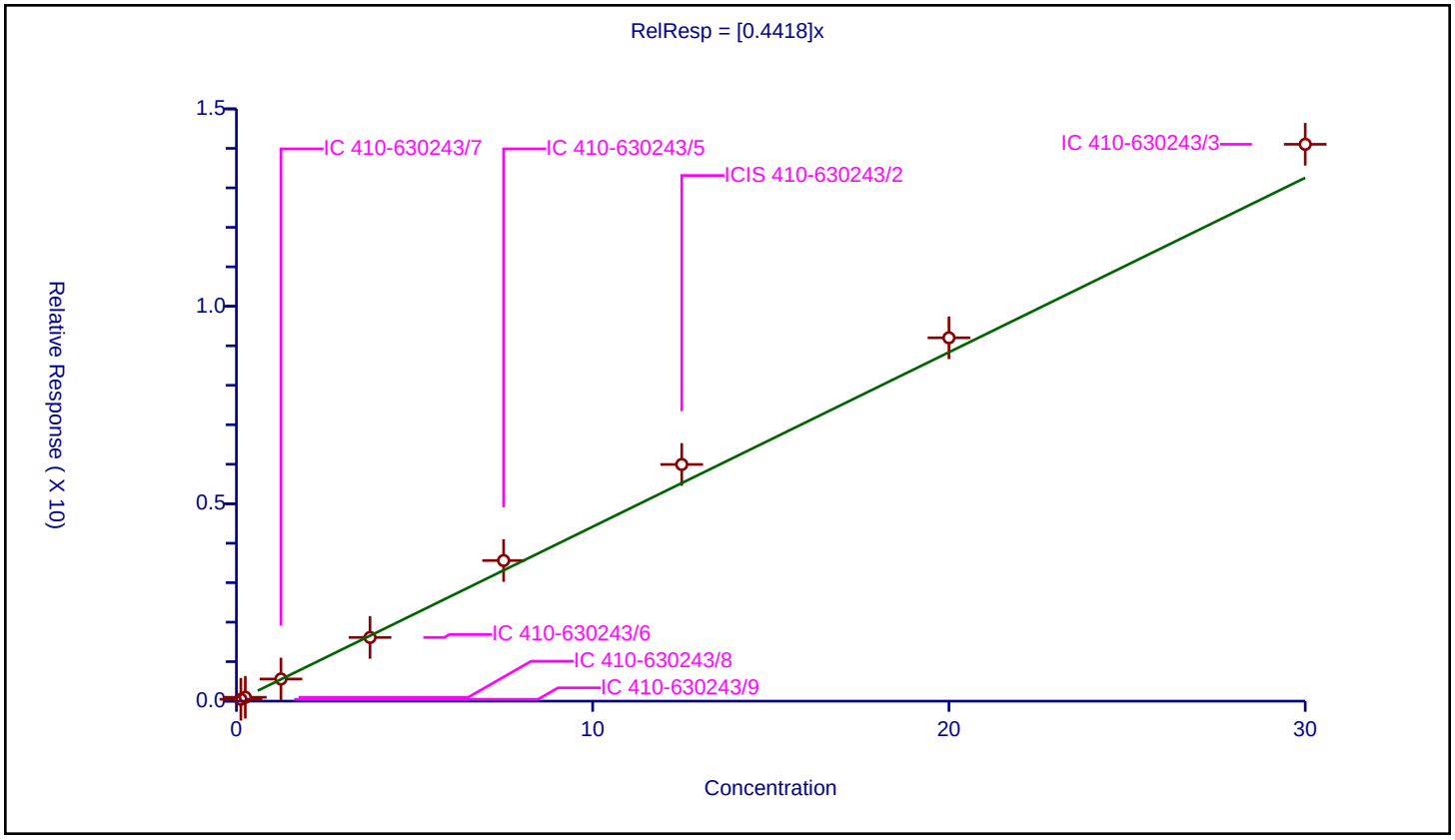
Curve Coefficients

Intercept:	0
Slope:	0.4418

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.047345	5.0	821100.0	0.37876	Y
2	IC 410-630243/8	0.25	0.09808	5.0	653036.0	0.392321	Y
3	IC 410-630243/7	1.25	0.560875	5.0	659969.0	0.4487	Y
4	IC 410-630243/6	3.75	1.613192	5.0	680232.0	0.430185	Y
5	IC 410-630243/5	7.5	3.561581	5.0	678599.0	0.474877	Y
6	ICIS 410-630243/2	12.5	5.994342	5.0	677126.0	0.479547	Y
7	IC 410-630243/4	20.0	9.202685	5.0	672526.0	0.460134	Y
8	IC 410-630243/3	30.0	14.103702	5.0	656255.0	0.470123	Y



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Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

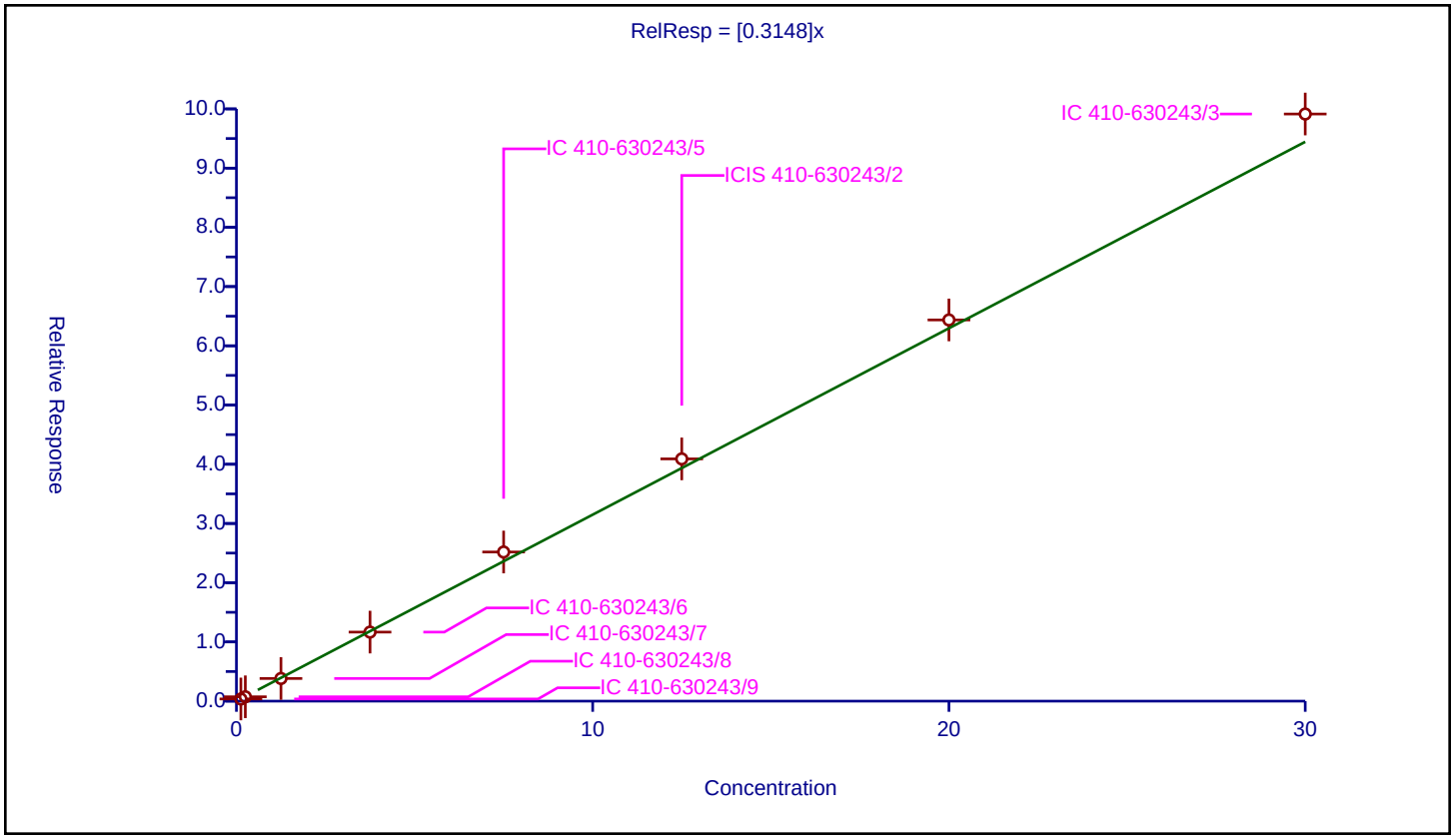
Curve Coefficients

Intercept:	0
Slope:	0.3148

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.036591	5.0	821100.0	0.292729	Y
2	IC 410-630243/8	0.25	0.073403	5.0	653036.0	0.293613	Y
3	IC 410-630243/7	1.25	0.382473	5.0	659969.0	0.305978	Y
4	IC 410-630243/6	3.75	1.165882	5.0	680232.0	0.310902	Y
5	IC 410-630243/5	7.5	2.518019	5.0	678599.0	0.335736	Y
6	ICIS 410-630243/2	12.5	4.090162	5.0	677126.0	0.327213	Y
7	IC 410-630243/4	20.0	6.436405	5.0	672526.0	0.32182	Y
8	IC 410-630243/3	30.0	9.913456	5.0	656255.0	0.330449	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

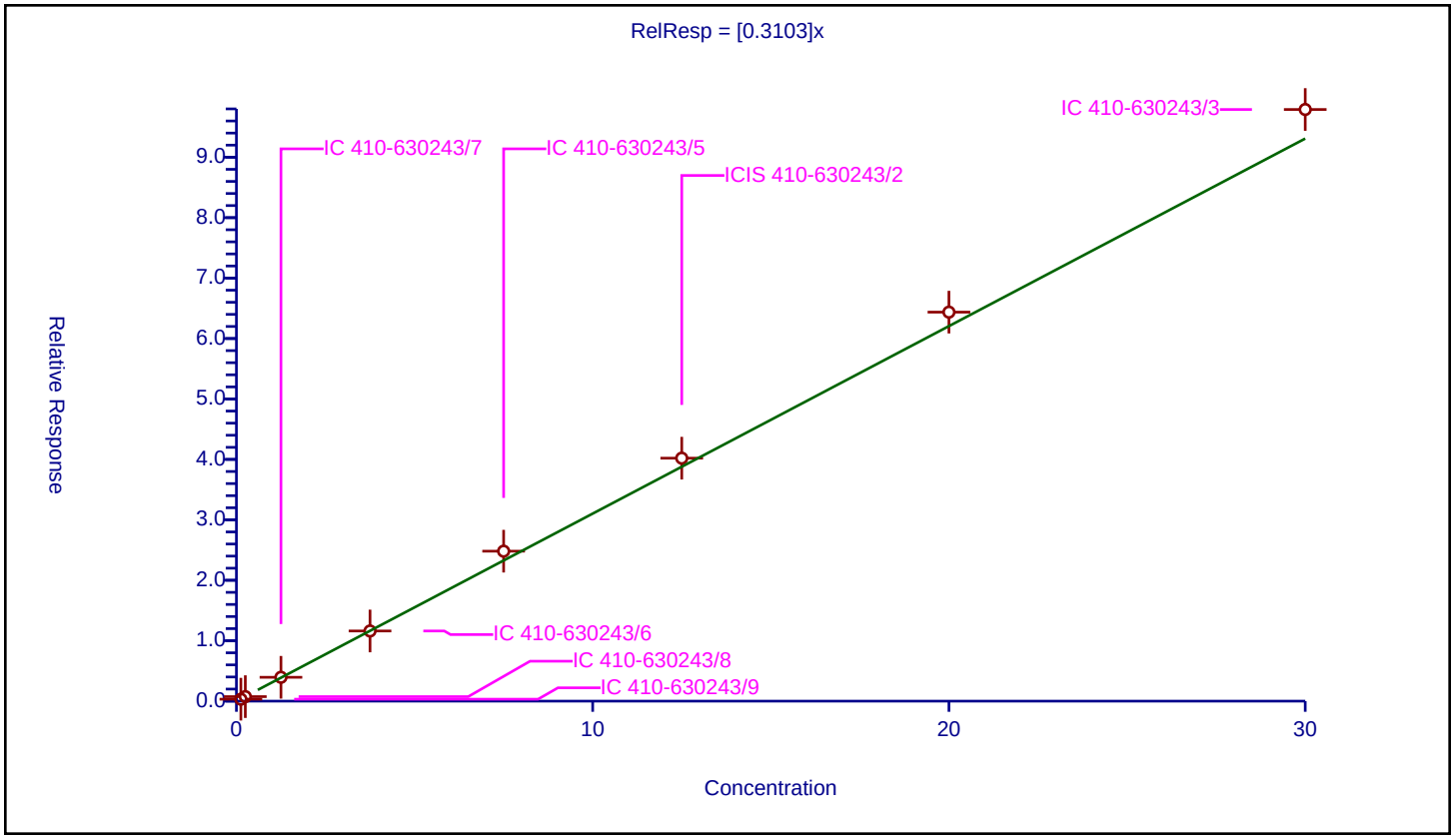
Curve Coefficients

Intercept:	0
Slope:	0.3103

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.032189	5.0	821100.0	0.257508	Y
2	IC 410-630243/8	0.25	0.074743	5.0	653036.0	0.298973	Y
3	IC 410-630243/7	1.25	0.394458	5.0	659969.0	0.315566	Y
4	IC 410-630243/6	3.75	1.160972	5.0	680232.0	0.309592	Y
5	IC 410-630243/5	7.5	2.48134	5.0	678599.0	0.330845	Y
6	ICIS 410-630243/2	12.5	4.02064	5.0	677126.0	0.321651	Y
7	IC 410-630243/4	20.0	6.436807	5.0	672526.0	0.32184	Y
8	IC 410-630243/3	30.0	9.789815	5.0	656255.0	0.326327	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

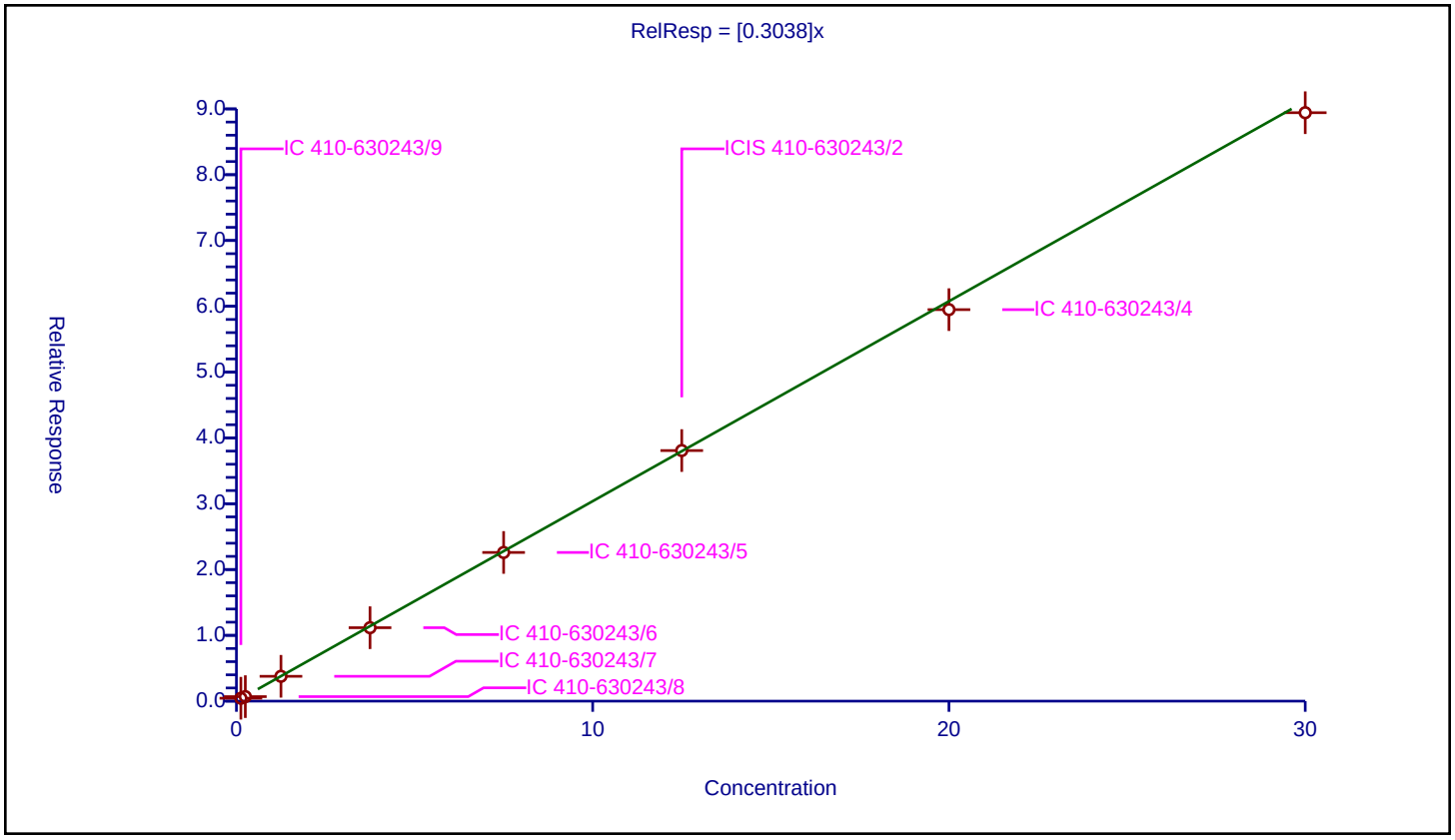
Curve Coefficients

Intercept:	0
Slope:	0.3038

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.044404	5.0	821100.0	0.355231	Y
2	IC 410-630243/8	0.25	0.068633	5.0	653036.0	0.274533	Y
3	IC 410-630243/7	1.25	0.37751	5.0	659969.0	0.302008	Y
4	IC 410-630243/6	3.75	1.115921	5.0	680232.0	0.297579	Y
5	IC 410-630243/5	7.5	2.259258	5.0	678599.0	0.301234	Y
6	ICIS 410-630243/2	12.5	3.808132	5.0	677126.0	0.304651	Y
7	IC 410-630243/4	20.0	5.949651	5.0	672526.0	0.297483	Y
8	IC 410-630243/3	30.0	8.942157	5.0	656255.0	0.298072	Y



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Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

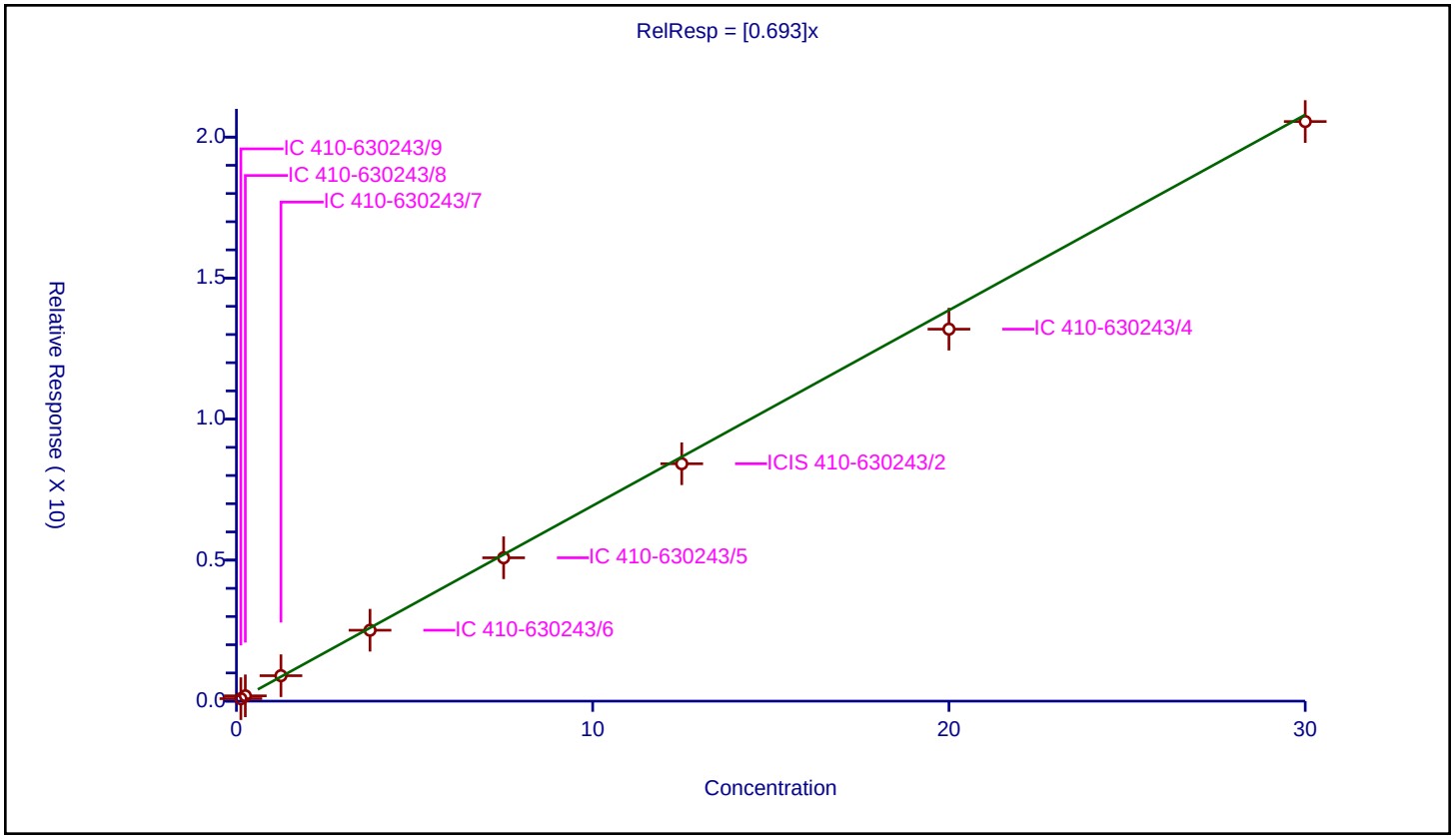
Curve Coefficients

Intercept:	0
Slope:	0.693

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.088004	5.0	821100.0	0.704031	Y
2	IC 410-630243/8	0.25	0.188083	5.0	653036.0	0.752332	Y
3	IC 410-630243/7	1.25	0.902323	5.0	659969.0	0.721858	Y
4	IC 410-630243/6	3.75	2.514017	5.0	680232.0	0.670405	Y
5	IC 410-630243/5	7.5	5.082965	5.0	678599.0	0.677729	Y
6	ICIS 410-630243/2	12.5	8.417665	5.0	677126.0	0.673413	Y
7	IC 410-630243/4	20.0	13.18955	5.0	672526.0	0.659477	Y
8	IC 410-630243/3	30.0	20.551859	5.0	656255.0	0.685062	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

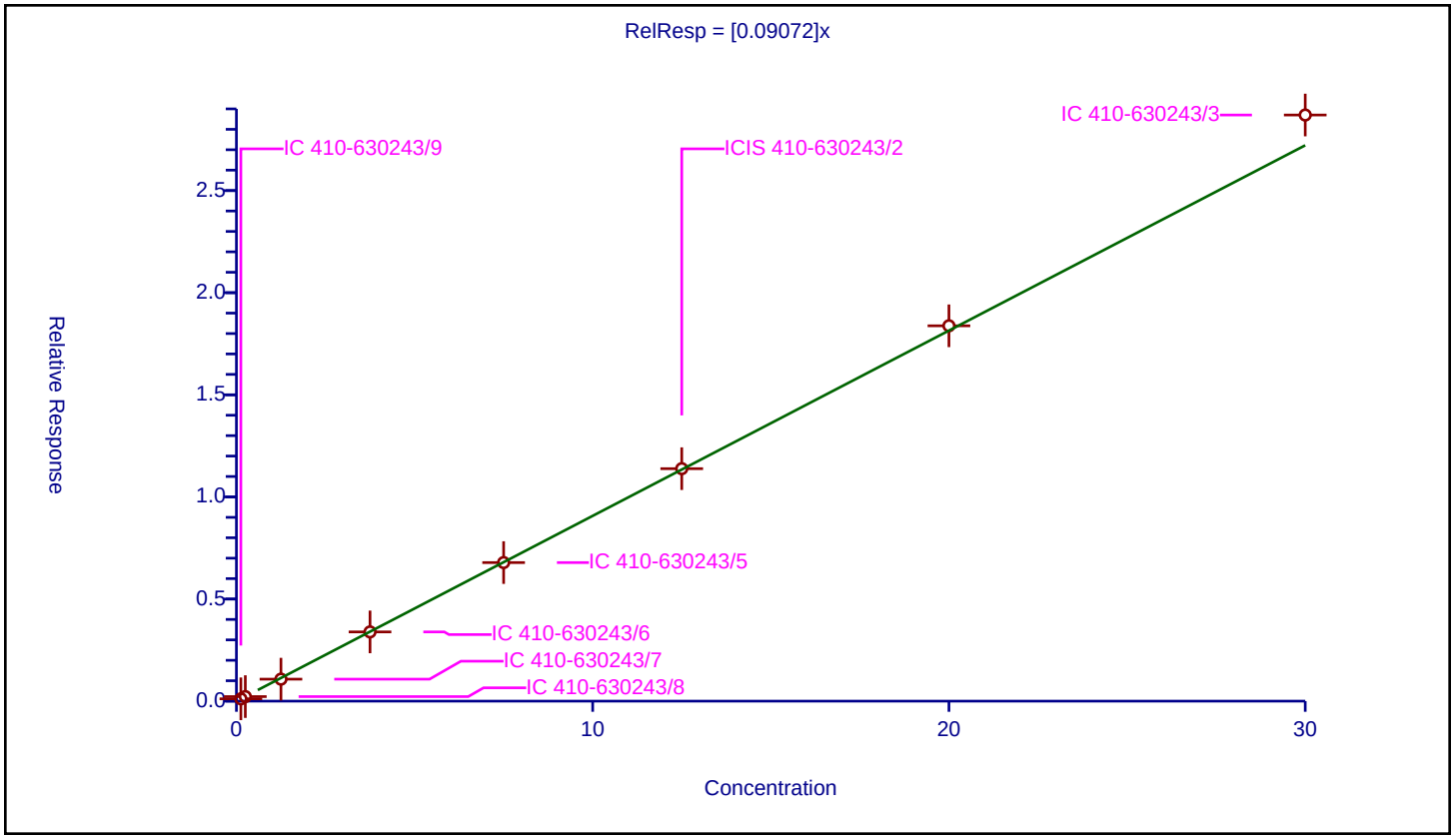
Curve Coefficients

Intercept:	0
Slope:	0.09072

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.01143	5.0	821100.0	0.091438	Y
2	IC 410-630243/8	0.25	0.022181	5.0	653036.0	0.088724	Y
3	IC 410-630243/7	1.25	0.107626	5.0	659969.0	0.086101	Y
4	IC 410-630243/6	3.75	0.339061	5.0	680232.0	0.090416	Y
5	IC 410-630243/5	7.5	0.678427	5.0	678599.0	0.090457	Y
6	ICIS 410-630243/2	12.5	1.138326	5.0	677126.0	0.091066	Y
7	IC 410-630243/4	20.0	1.837914	5.0	672526.0	0.091896	Y
8	IC 410-630243/3	30.0	2.869997	5.0	656255.0	0.095667	Y



Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

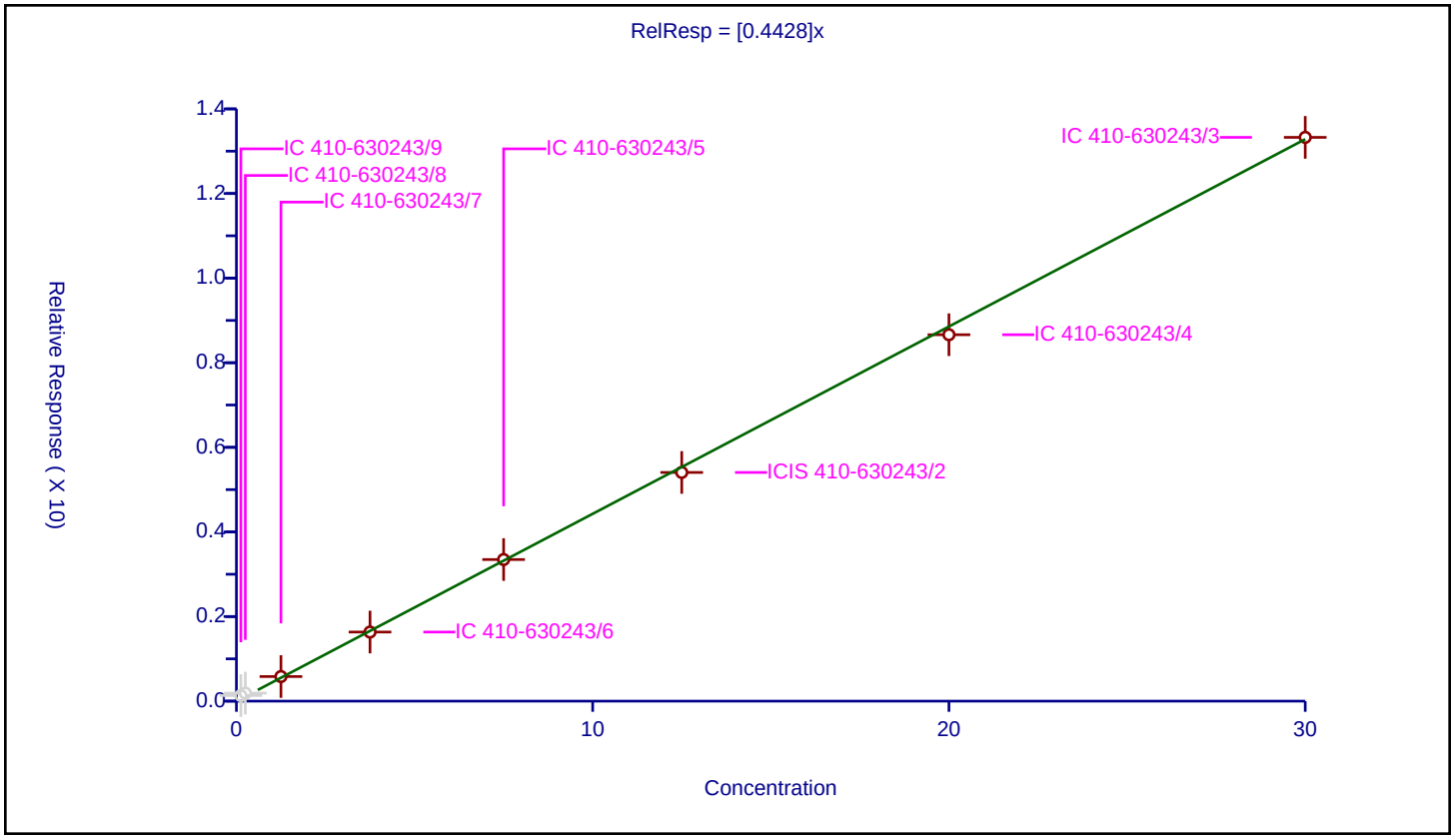
Curve Coefficients

Intercept:	0
Slope:	0.4428

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.132499	5.0	821100.0	1.059993	N
2	IC 410-630243/8	0.25	0.189071	5.0	653036.0	0.756283	N
3	IC 410-630243/7	1.25	0.581217	5.0	659969.0	0.464973	Y
4	IC 410-630243/6	3.75	1.633347	5.0	680232.0	0.435559	Y
5	IC 410-630243/5	7.5	3.347153	5.0	678599.0	0.446287	Y
6	ICIS 410-630243/2	12.5	5.406276	5.0	677126.0	0.432502	Y
7	IC 410-630243/4	20.0	8.661635	5.0	672526.0	0.433082	Y
8	IC 410-630243/3	30.0	13.327159	5.0	656255.0	0.444239	Y



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Calibration / p-Phenylene diamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

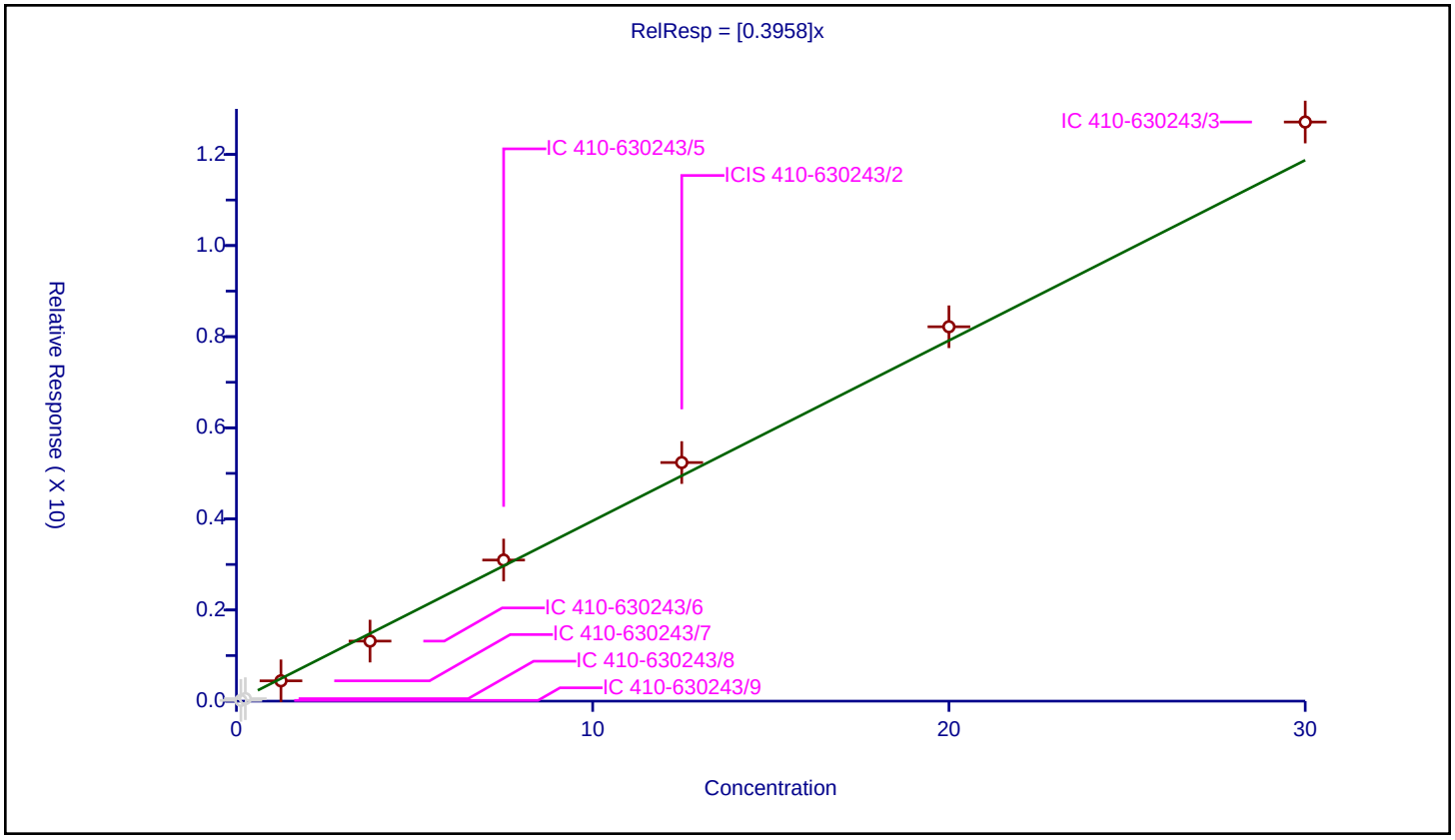
Curve Coefficients

Intercept:	0
Slope:	0.3958

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.016935	5.0	821100.0	0.135477	N
2	IC 410-630243/8	0.25	0.054377	5.0	653036.0	0.217507	N
3	IC 410-630243/7	1.25	0.446059	5.0	659969.0	0.356847	Y
4	IC 410-630243/6	3.75	1.318161	5.0	680232.0	0.351509	Y
5	IC 410-630243/5	7.5	3.096785	5.0	678599.0	0.412905	Y
6	ICIS 410-630243/2	12.5	5.237304	5.0	677126.0	0.418984	Y
7	IC 410-630243/4	20.0	8.217943	5.0	672526.0	0.410897	Y
8	IC 410-630243/3	30.0	12.711621	5.0	656255.0	0.423721	Y



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Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

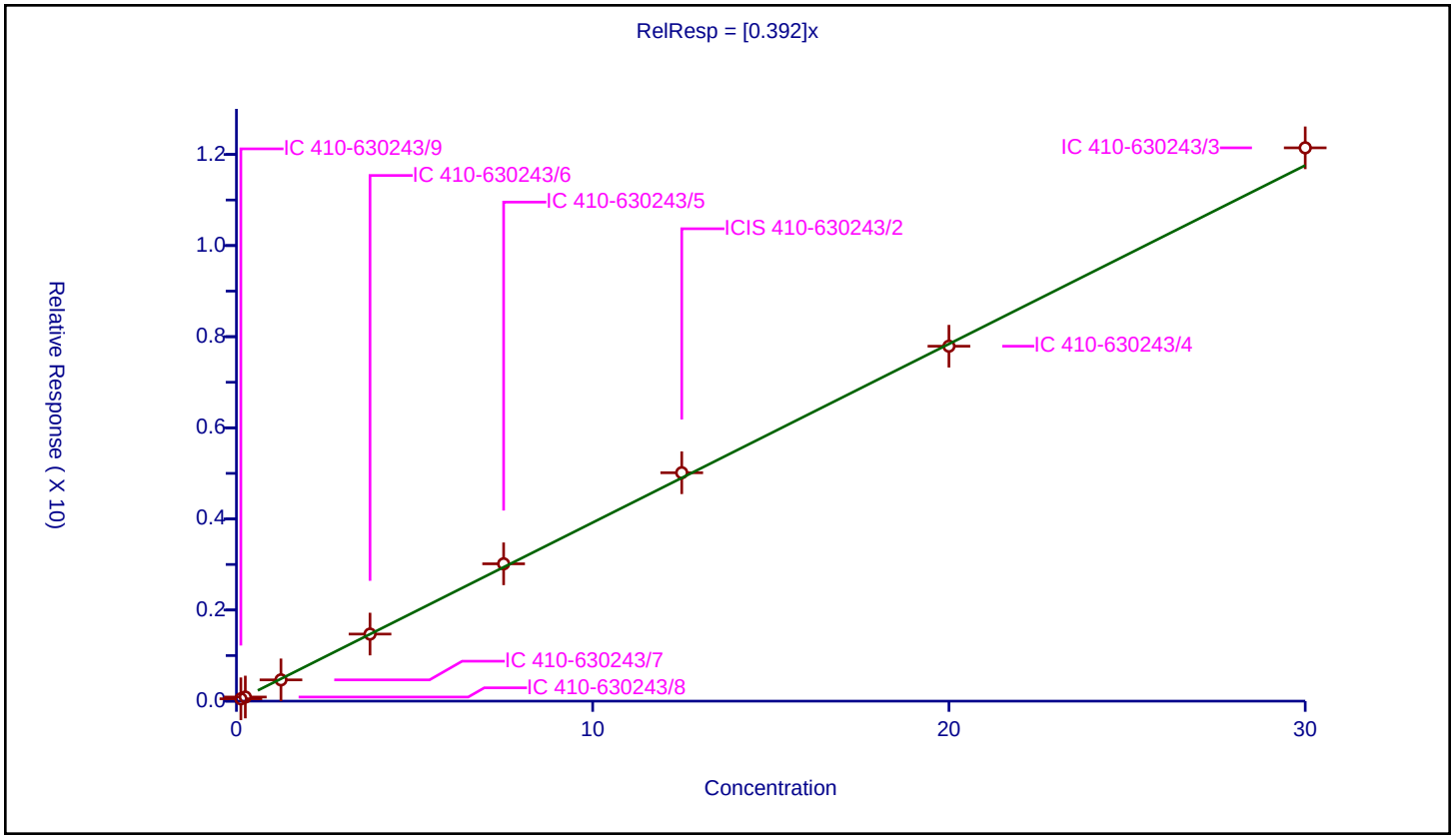
Curve Coefficients

Intercept:	0
Slope:	0.392

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.051468	5.0	821100.0	0.41174	Y
2	IC 410-630243/8	0.25	0.090133	5.0	653036.0	0.360531	Y
3	IC 410-630243/7	1.25	0.467067	5.0	659969.0	0.373654	Y
4	IC 410-630243/6	3.75	1.472512	5.0	680232.0	0.39267	Y
5	IC 410-630243/5	7.5	3.014343	5.0	678599.0	0.401912	Y
6	ICIS 410-630243/2	12.5	5.01372	5.0	677126.0	0.401098	Y
7	IC 410-630243/4	20.0	7.790807	5.0	672526.0	0.38954	Y
8	IC 410-630243/3	30.0	12.145332	5.0	656255.0	0.404844	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

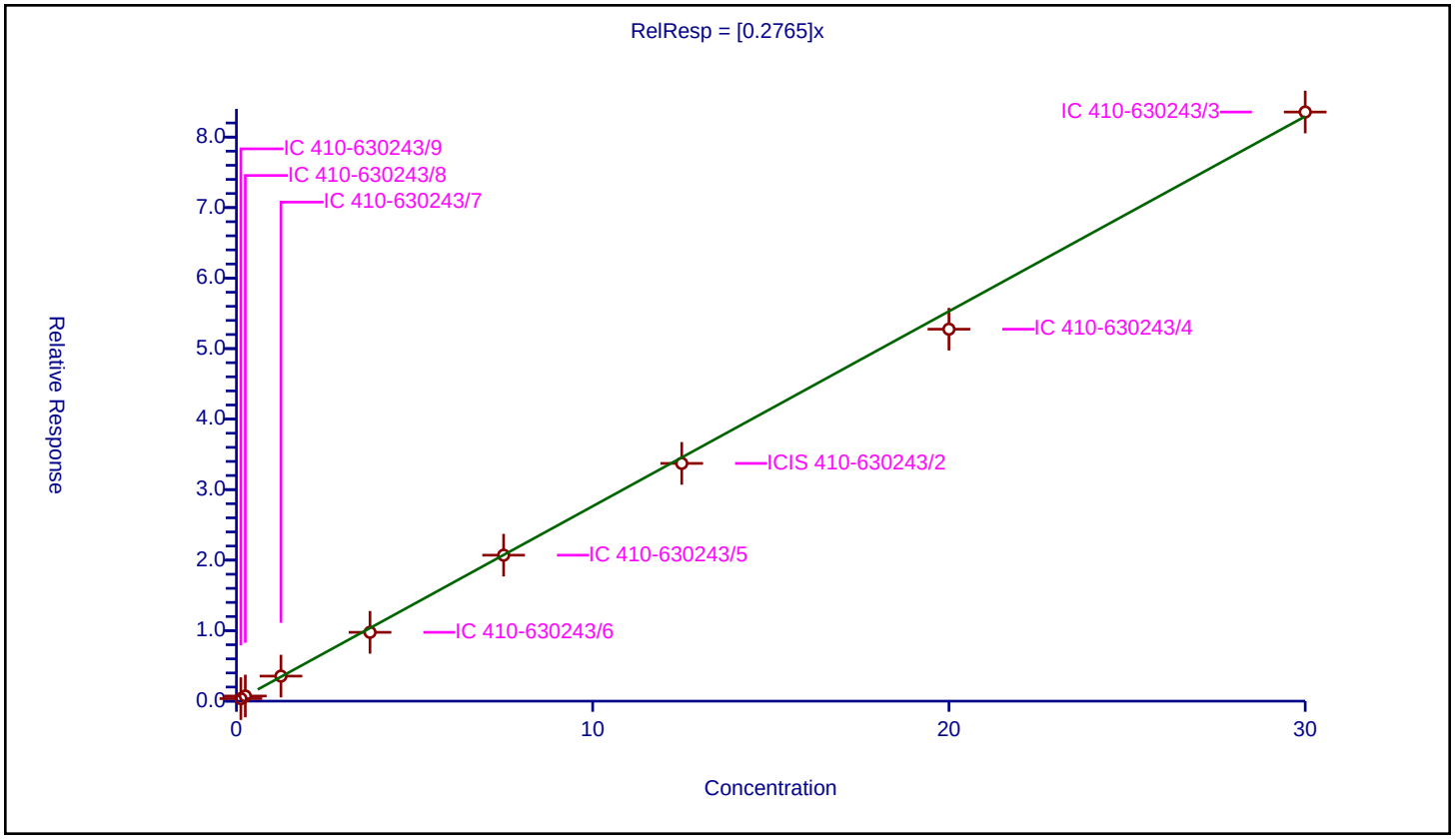
Curve Coefficients

Intercept:	0
Slope:	0.2765

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.036086	5.0	821100.0	0.288686	Y
2	IC 410-630243/8	0.25	0.072599	5.0	653036.0	0.290397	Y
3	IC 410-630243/7	1.25	0.355236	5.0	659969.0	0.284189	Y
4	IC 410-630243/6	3.75	0.976358	5.0	680232.0	0.260362	Y
5	IC 410-630243/5	7.5	2.07014	5.0	678599.0	0.276019	Y
6	ICIS 410-630243/2	12.5	3.371869	5.0	677126.0	0.26975	Y
7	IC 410-630243/4	20.0	5.275432	5.0	672526.0	0.263772	Y
8	IC 410-630243/3	30.0	8.355395	5.0	656255.0	0.278513	Y



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Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

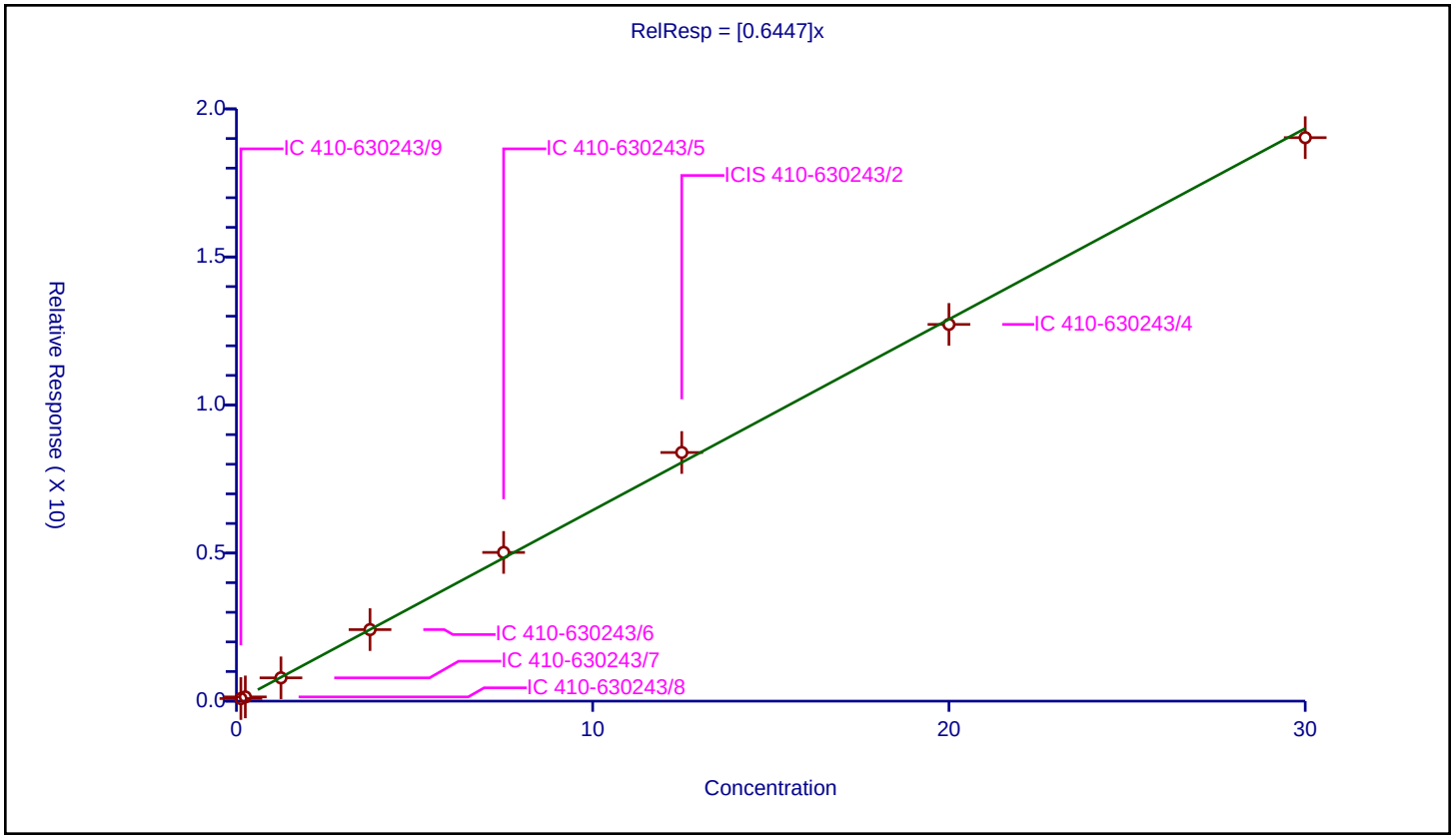
Curve Coefficients

Intercept:	0
Slope:	0.6447

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.087986	5.0	821100.0	0.703885	Y
2	IC 410-630243/8	0.25	0.142121	5.0	653036.0	0.568483	Y
3	IC 410-630243/7	1.25	0.786772	5.0	659969.0	0.629417	Y
4	IC 410-630243/6	3.75	2.41558	5.0	680232.0	0.644155	Y
5	IC 410-630243/5	7.5	5.02195	5.0	678599.0	0.669593	Y
6	ICIS 410-630243/2	12.5	8.396332	5.0	677126.0	0.671707	Y
7	IC 410-630243/4	20.0	12.722103	5.0	672526.0	0.636105	Y
8	IC 410-630243/3	30.0	19.028769	5.0	656255.0	0.634292	Y



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Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

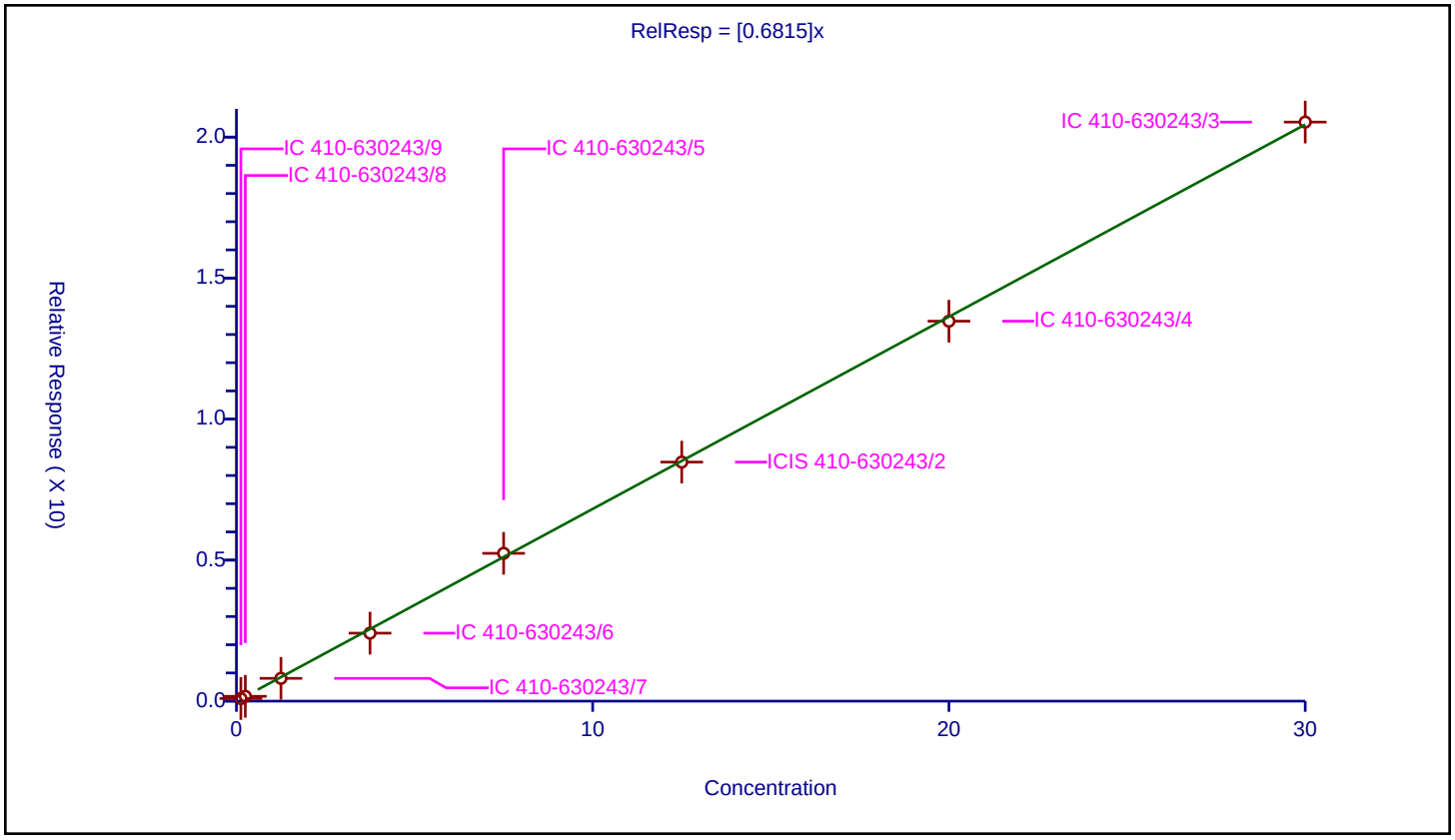
Curve Coefficients

Intercept:	0
Slope:	0.6815

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.092894	5.0	821100.0	0.743149	Y
2	IC 410-630243/8	0.25	0.171177	5.0	653036.0	0.68471	Y
3	IC 410-630243/7	1.25	0.807894	5.0	659969.0	0.646315	Y
4	IC 410-630243/6	3.75	2.410825	5.0	680232.0	0.642887	Y
5	IC 410-630243/5	7.5	5.241365	5.0	678599.0	0.698849	Y
6	ICIS 410-630243/2	12.5	8.476687	5.0	677126.0	0.678135	Y
7	IC 410-630243/4	20.0	13.472869	5.0	672526.0	0.673643	Y
8	IC 410-630243/3	30.0	20.532331	5.0	656255.0	0.684411	Y



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Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

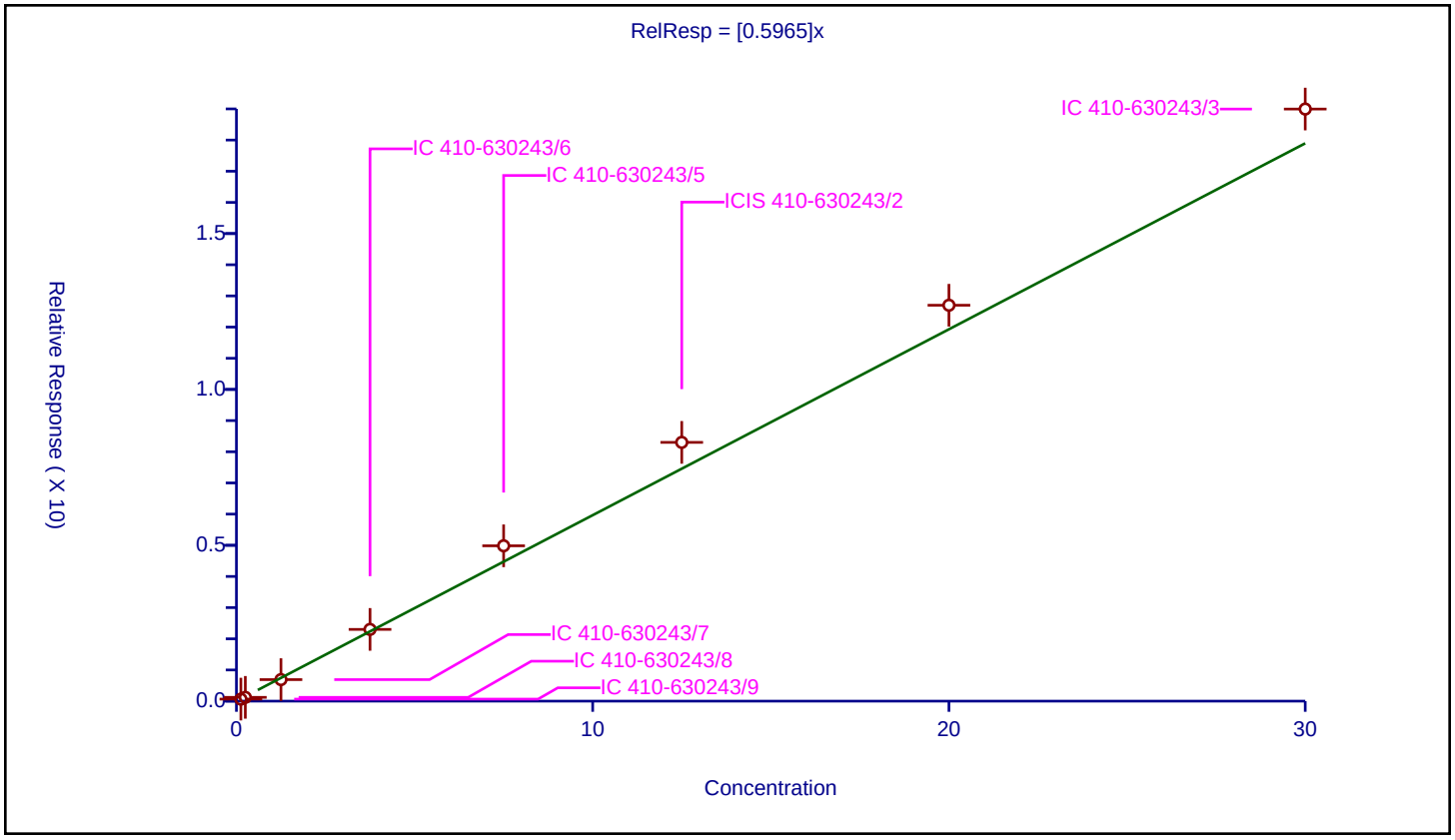
Curve Coefficients

Intercept:	0
Slope:	0.5965

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.065147	5.0	496721.0	0.521178	Y
2	IC 410-630243/8	0.25	0.121857	5.0	423899.0	0.487427	Y
3	IC 410-630243/7	1.25	0.691199	5.0	415727.0	0.552959	Y
4	IC 410-630243/6	3.75	2.301562	5.0	405857.0	0.61375	Y
5	IC 410-630243/5	7.5	4.983626	5.0	411619.0	0.664483	Y
6	ICIS 410-630243/2	12.5	8.301302	5.0	398829.0	0.664104	Y
7	IC 410-630243/4	20.0	12.700994	5.0	411928.0	0.63505	Y
8	IC 410-630243/3	30.0	18.995219	5.0	398684.0	0.633174	Y



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Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

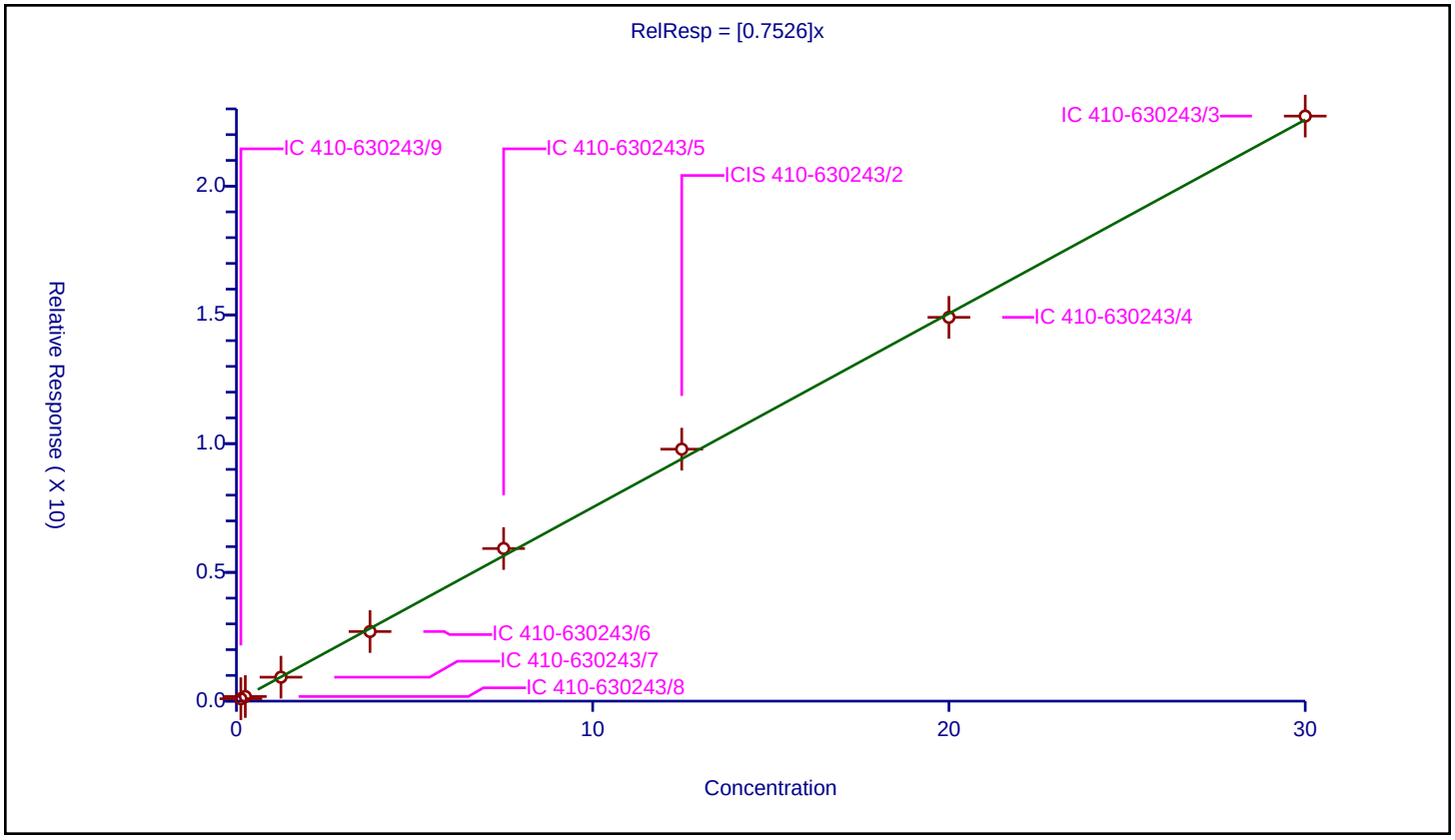
Curve Coefficients

Intercept:	0
Slope:	0.7526

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.095053	5.0	496721.0	0.760427	Y
2	IC 410-630243/8	0.25	0.179925	5.0	423899.0	0.7197	Y
3	IC 410-630243/7	1.25	0.930045	5.0	415727.0	0.744036	Y
4	IC 410-630243/6	3.75	2.703144	5.0	405857.0	0.720838	Y
5	IC 410-630243/5	7.5	5.927605	5.0	411619.0	0.790347	Y
6	ICIS 410-630243/2	12.5	9.784883	5.0	398829.0	0.782791	Y
7	IC 410-630243/4	20.0	14.905299	5.0	411928.0	0.745265	Y
8	IC 410-630243/3	30.0	22.720225	5.0	398684.0	0.757341	Y



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Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

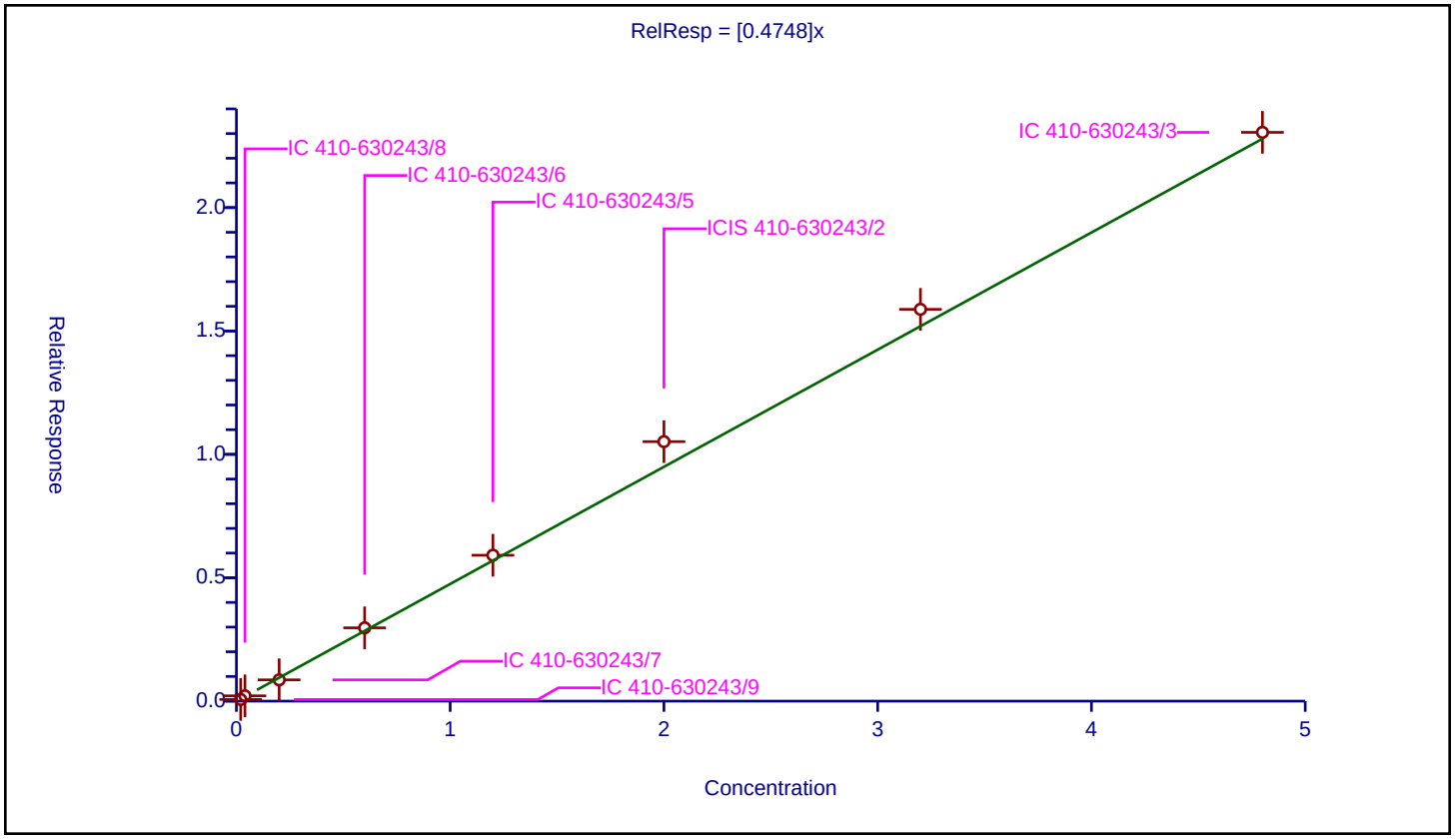
Curve Coefficients

Intercept:	0
Slope:	0.4748

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.02	0.006795	5.0	496721.0	0.339728	Y
2	IC 410-630243/8	0.04	0.021479	5.0	423899.0	0.536979	Y
3	IC 410-630243/7	0.2	0.086259	5.0	415727.0	0.431293	Y
4	IC 410-630243/6	0.6	0.297112	5.0	405857.0	0.495187	Y
5	IC 410-630243/5	1.2	0.591214	5.0	411619.0	0.492679	Y
6	ICIS 410-630243/2	2.0	1.051604	5.0	398829.0	0.525802	Y
7	IC 410-630243/4	3.2	1.587741	5.0	411928.0	0.496169	Y
8	IC 410-630243/3	4.8	2.304933	5.0	398684.0	0.480194	Y



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Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

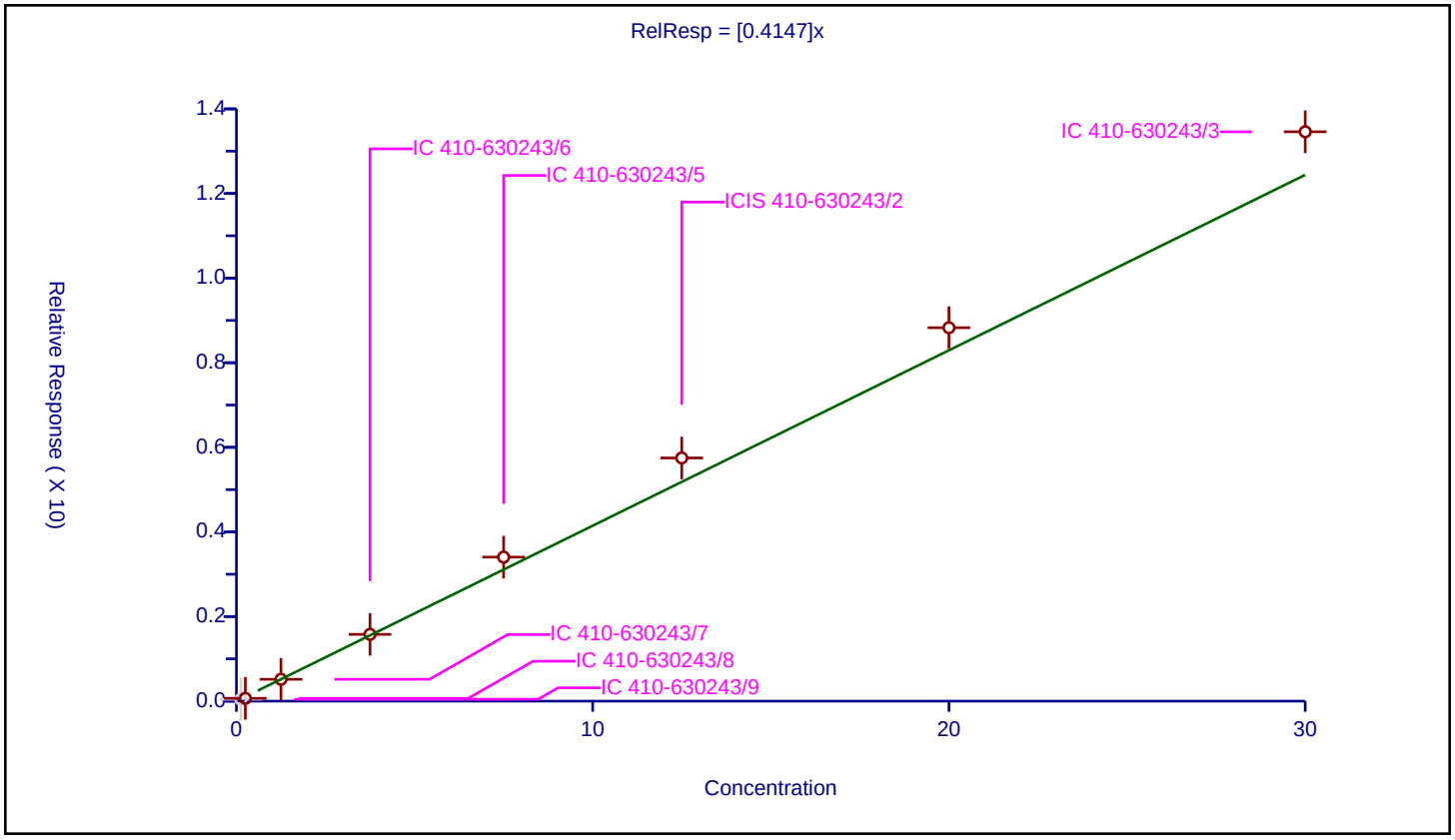
Curve Coefficients

Intercept:	0
Slope:	0.4147

Error Coefficients

Relative Standard Deviation:	16.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.044311	5.0	496721.0	0.354485	N
2	IC 410-630243/8	0.25	0.066171	5.0	423899.0	0.264686	Y
3	IC 410-630243/7	1.25	0.516529	5.0	415727.0	0.413223	Y
4	IC 410-630243/6	3.75	1.578425	5.0	405857.0	0.420913	Y
5	IC 410-630243/5	7.5	3.404495	5.0	411619.0	0.453933	Y
6	ICIS 410-630243/2	12.5	5.748742	5.0	398829.0	0.459899	Y
7	IC 410-630243/4	20.0	8.827101	5.0	411928.0	0.441355	Y
8	IC 410-630243/3	30.0	13.459469	5.0	398684.0	0.448649	Y



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Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

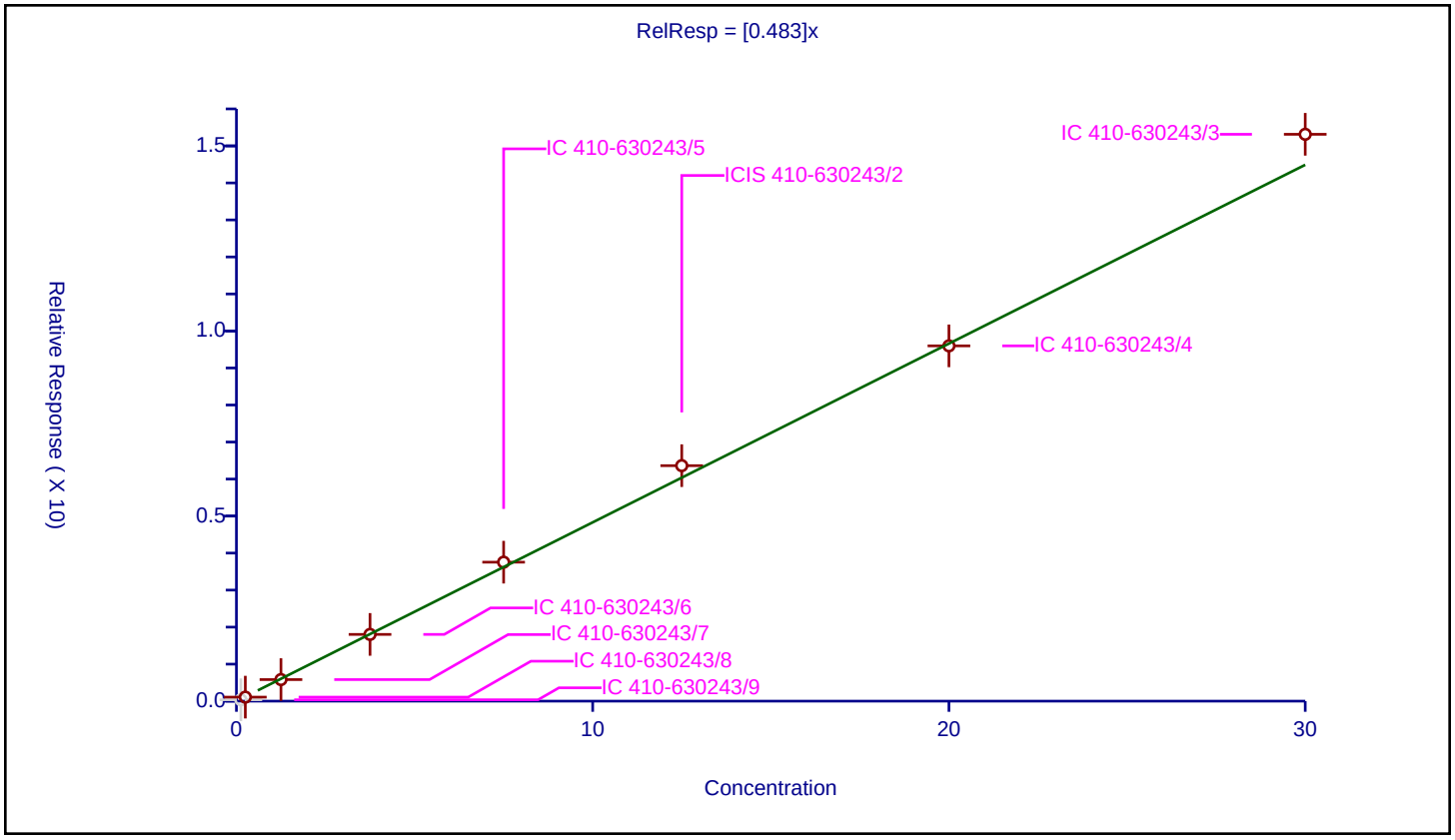
Curve Coefficients

Intercept:	0
Slope:	0.483

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.037375	5.0	496721.0	0.299001	N
2	IC 410-630243/8	0.25	0.108505	5.0	423899.0	0.434018	Y
3	IC 410-630243/7	1.25	0.582726	5.0	415727.0	0.466181	Y
4	IC 410-630243/6	3.75	1.802458	5.0	405857.0	0.480655	Y
5	IC 410-630243/5	7.5	3.754455	5.0	411619.0	0.500594	Y
6	ICIS 410-630243/2	12.5	6.361812	5.0	398829.0	0.508945	Y
7	IC 410-630243/4	20.0	9.598146	5.0	411928.0	0.479907	Y
8	IC 410-630243/3	30.0	15.313532	5.0	398684.0	0.510451	Y



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Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

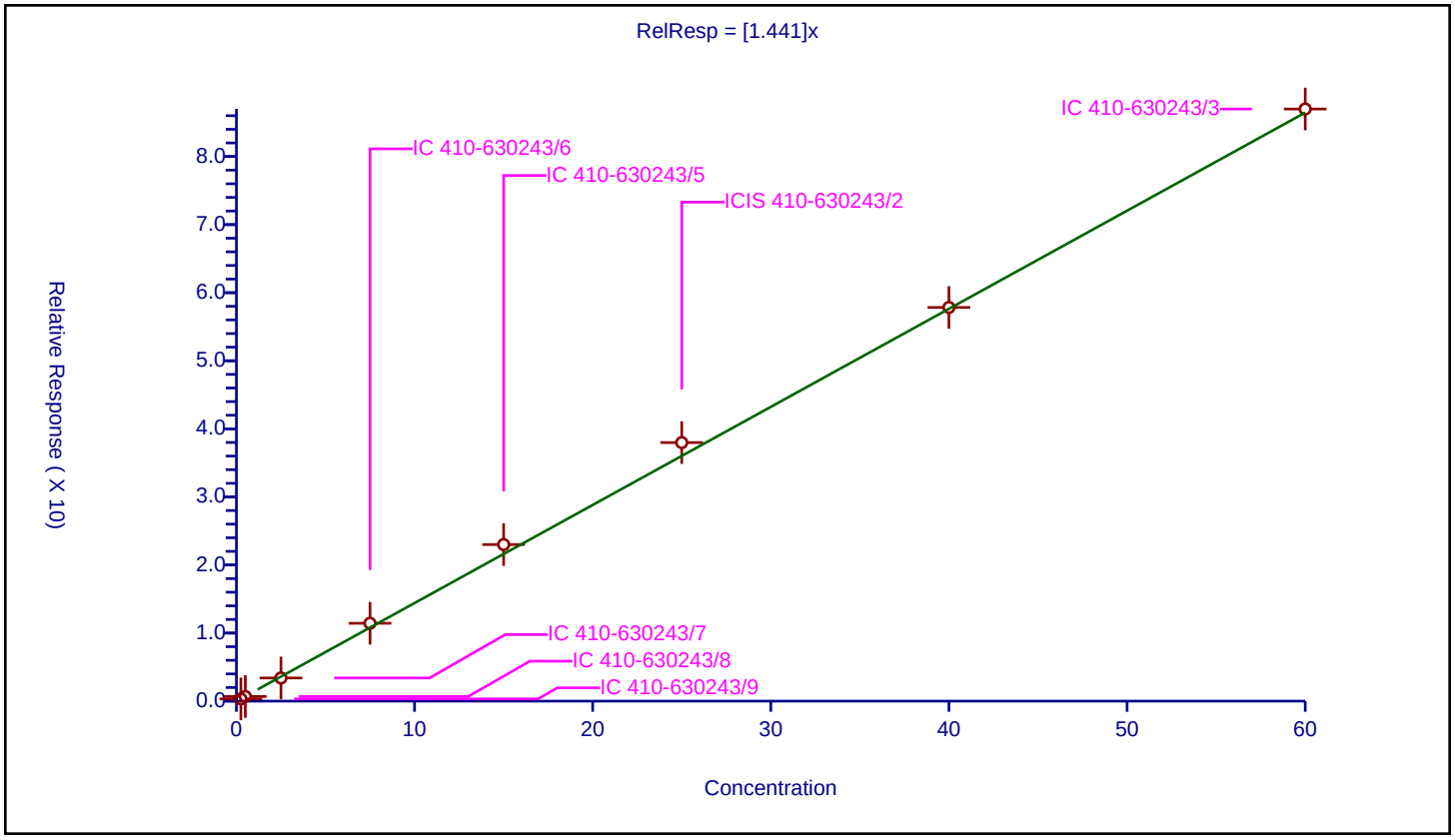
Curve Coefficients

Intercept:	0
Slope:	1.441

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.33241	5.0	496721.0	1.32964	Y
2	IC 410-630243/8	0.5	0.681813	5.0	423899.0	1.363627	Y
3	IC 410-630243/7	2.5	3.400946	5.0	415727.0	1.360378	Y
4	IC 410-630243/6	7.5	11.436393	5.0	405857.0	1.524852	Y
5	IC 410-630243/5	15.0	23.004975	5.0	411619.0	1.533665	Y
6	ICIS 410-630243/2	25.0	37.982469	5.0	398829.0	1.519299	Y
7	IC 410-630243/4	40.0	57.832024	5.0	411928.0	1.445801	Y
8	IC 410-630243/3	60.0	86.981582	5.0	398684.0	1.449693	Y



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Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

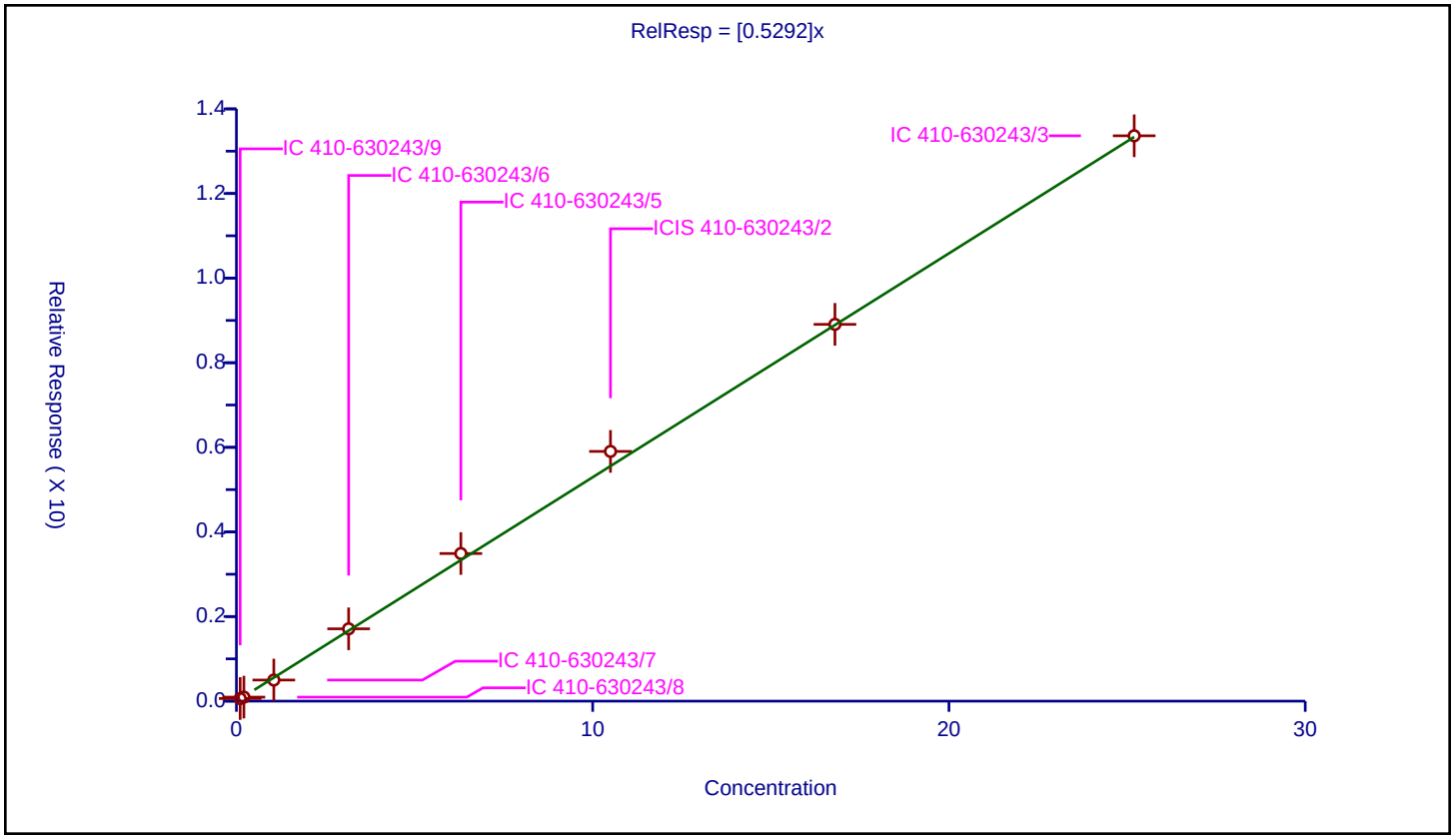
Curve Coefficients

Intercept:	0
Slope:	0.5292

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.105	0.061805	5.0	496721.0	0.588622	Y
2	IC 410-630243/8	0.21	0.094645	5.0	423899.0	0.450691	Y
3	IC 410-630243/7	1.05	0.498981	5.0	415727.0	0.47522	Y
4	IC 410-630243/6	3.15	1.709728	5.0	405857.0	0.542771	Y
5	IC 410-630243/5	6.3	3.489659	5.0	411619.0	0.553914	Y
6	ICIS 410-630243/2	10.5	5.903119	5.0	398829.0	0.562202	Y
7	IC 410-630243/4	16.8	8.906423	5.0	411928.0	0.530144	Y
8	IC 410-630243/3	25.2	13.363892	5.0	398684.0	0.530313	Y



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Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

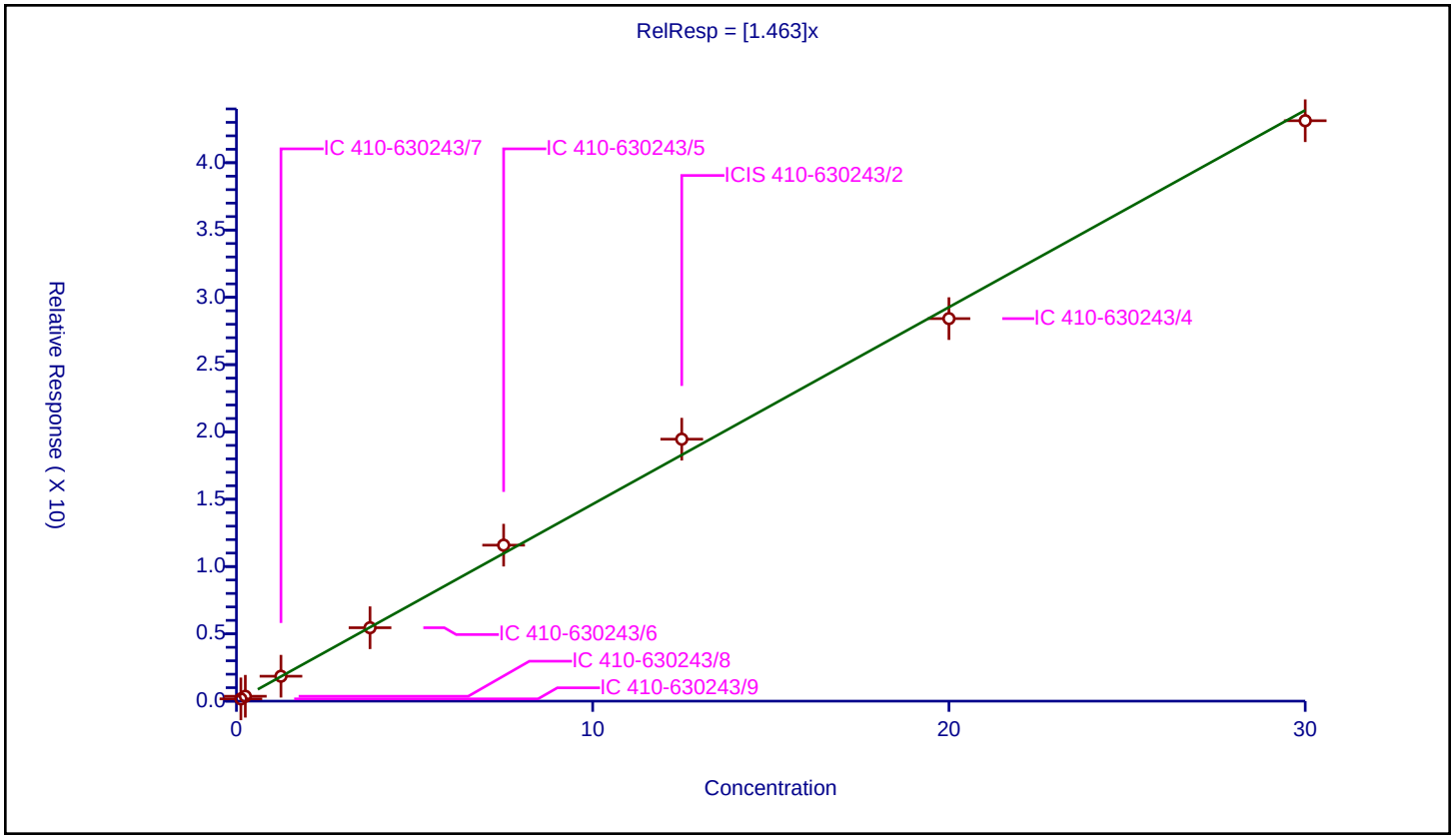
Curve Coefficients

Intercept:	0
Slope:	1.463

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.169643	5.0	496721.0	1.35714	Y
2	IC 410-630243/8	0.25	0.363813	5.0	423899.0	1.455252	Y
3	IC 410-630243/7	1.25	1.850156	5.0	415727.0	1.480125	Y
4	IC 410-630243/6	3.75	5.453522	5.0	405857.0	1.454272	Y
5	IC 410-630243/5	7.5	11.587852	5.0	411619.0	1.545047	Y
6	ICIS 410-630243/2	12.5	19.461724	5.0	398829.0	1.556938	Y
7	IC 410-630243/4	20.0	28.418729	5.0	411928.0	1.420936	Y
8	IC 410-630243/3	30.0	43.121883	5.0	398684.0	1.437396	Y



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Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

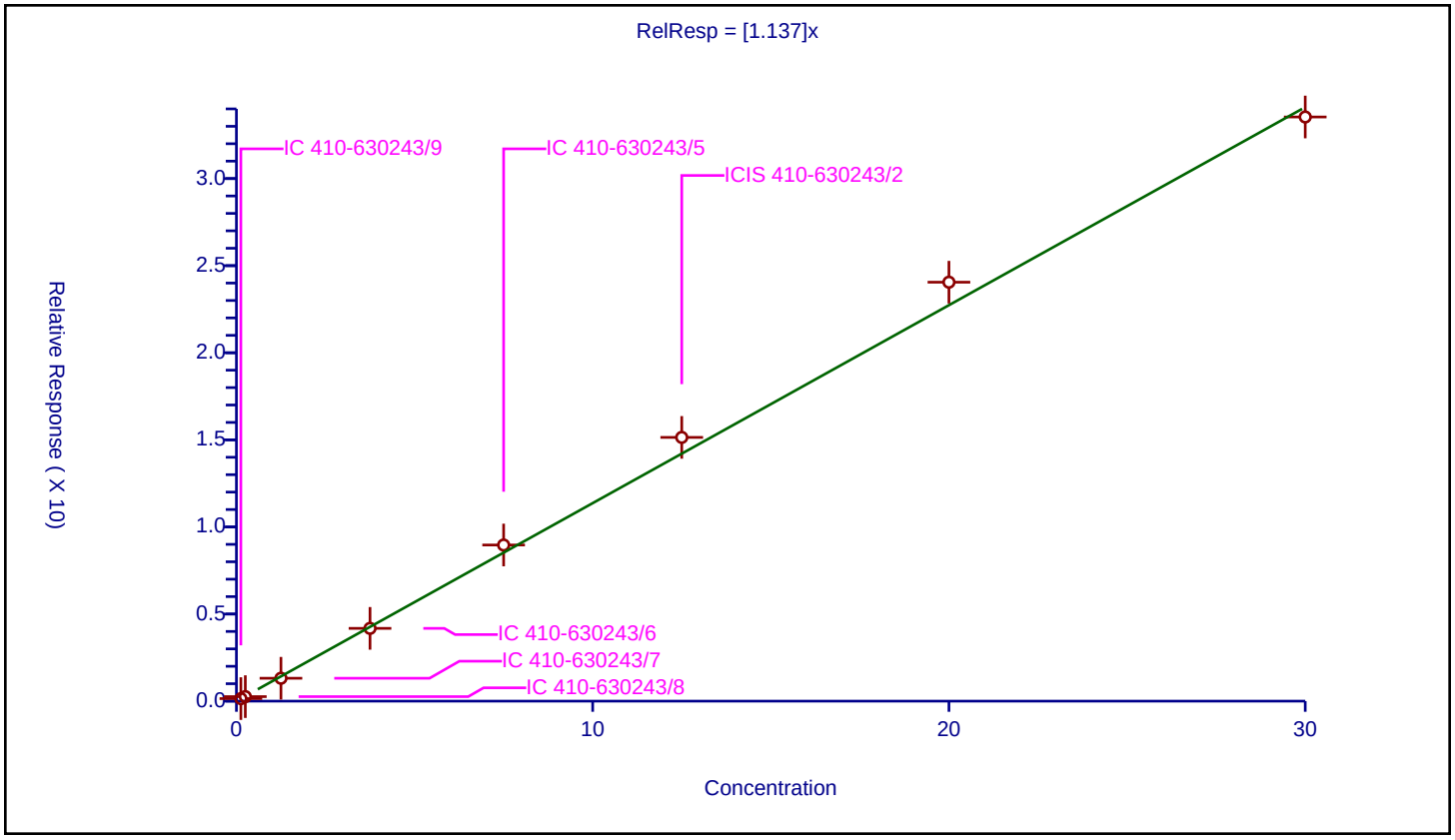
Curve Coefficients

Intercept:	0
Slope:	1.137

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.145283	5.0	496721.0	1.162262	Y
2	IC 410-630243/8	0.25	0.259578	5.0	423899.0	1.038313	Y
3	IC 410-630243/7	1.25	1.314192	5.0	415727.0	1.051353	Y
4	IC 410-630243/6	3.75	4.178762	5.0	405857.0	1.114337	Y
5	IC 410-630243/5	7.5	8.963095	5.0	411619.0	1.195079	Y
6	ICIS 410-630243/2	12.5	15.140499	5.0	398829.0	1.21124	Y
7	IC 410-630243/4	20.0	24.051388	5.0	411928.0	1.202569	Y
8	IC 410-630243/3	30.0	33.534704	5.0	398684.0	1.117823	Y



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Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

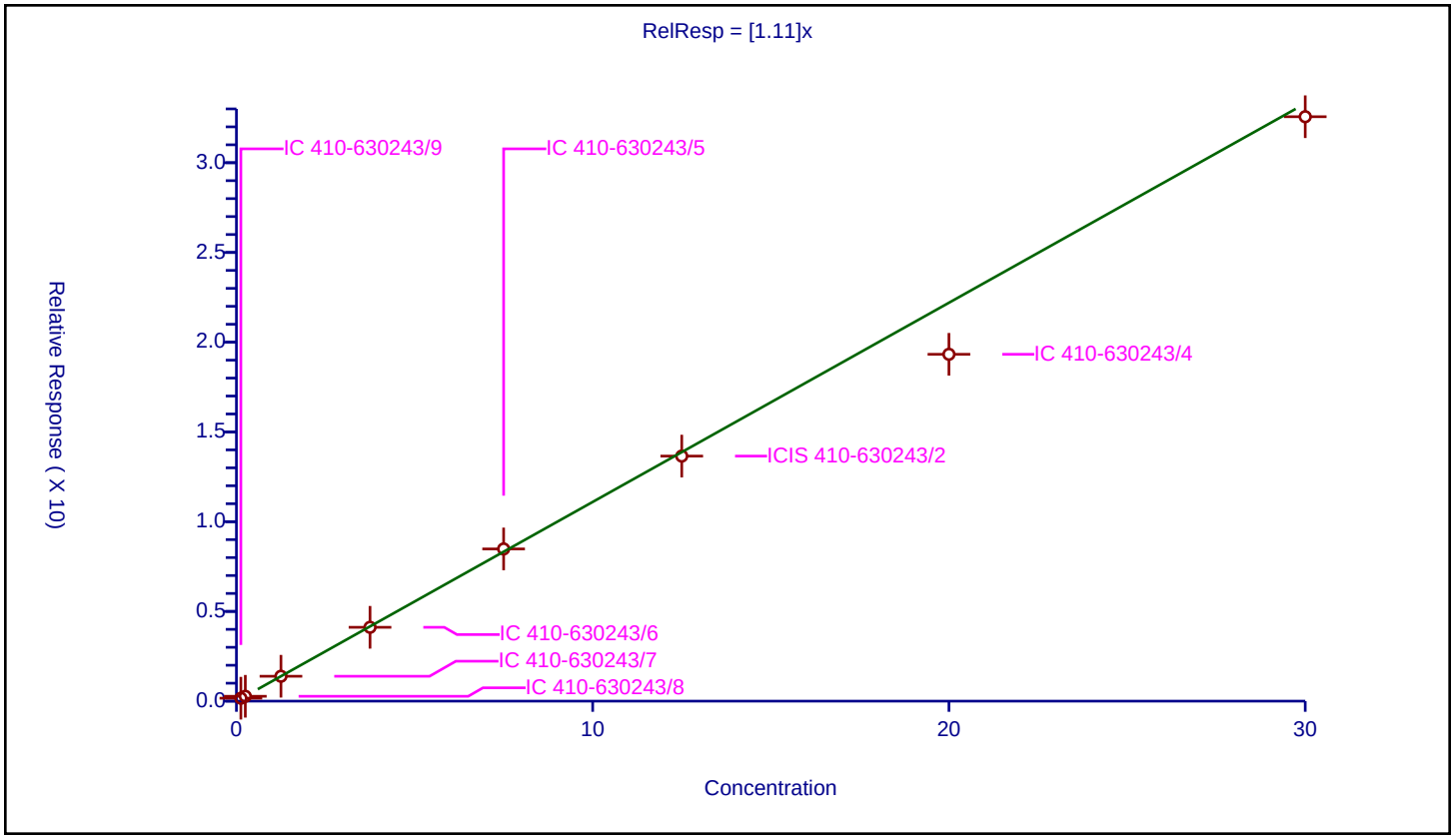
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.164207	5.0	496721.0	1.313655	Y
2	IC 410-630243/8	0.25	0.271067	5.0	423899.0	1.084268	Y
3	IC 410-630243/7	1.25	1.386631	5.0	415727.0	1.109305	Y
4	IC 410-630243/6	3.75	4.115033	5.0	405857.0	1.097342	Y
5	IC 410-630243/5	7.5	8.480804	5.0	411619.0	1.130774	Y
6	ICIS 410-630243/2	12.5	13.654423	5.0	398829.0	1.092354	Y
7	IC 410-630243/4	20.0	19.325562	5.0	411928.0	0.966278	Y
8	IC 410-630243/3	30.0	32.564349	5.0	398684.0	1.085478	Y



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Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

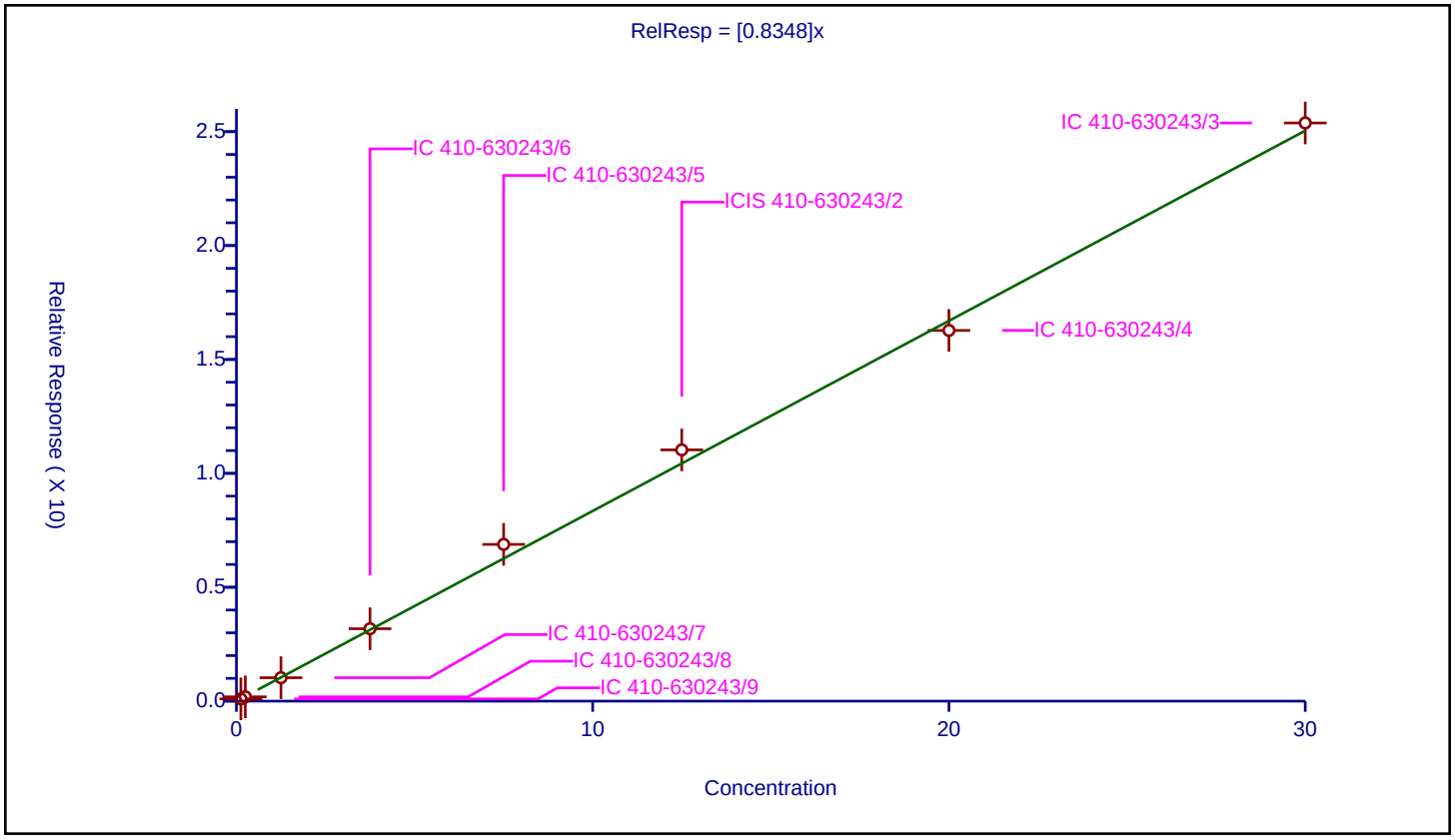
Curve Coefficients

Intercept:	0
Slope:	0.8348

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.09904	5.0	496721.0	0.792316	Y
2	IC 410-630243/8	0.25	0.189019	5.0	423899.0	0.756076	Y
3	IC 410-630243/7	1.25	1.028006	5.0	415727.0	0.822405	Y
4	IC 410-630243/6	3.75	3.178385	5.0	405857.0	0.847569	Y
5	IC 410-630243/5	7.5	6.882165	5.0	411619.0	0.917622	Y
6	ICIS 410-630243/2	12.5	11.02984	5.0	398829.0	0.882387	Y
7	IC 410-630243/4	20.0	16.274543	5.0	411928.0	0.813727	Y
8	IC 410-630243/3	30.0	25.383136	5.0	398684.0	0.846105	Y



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Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

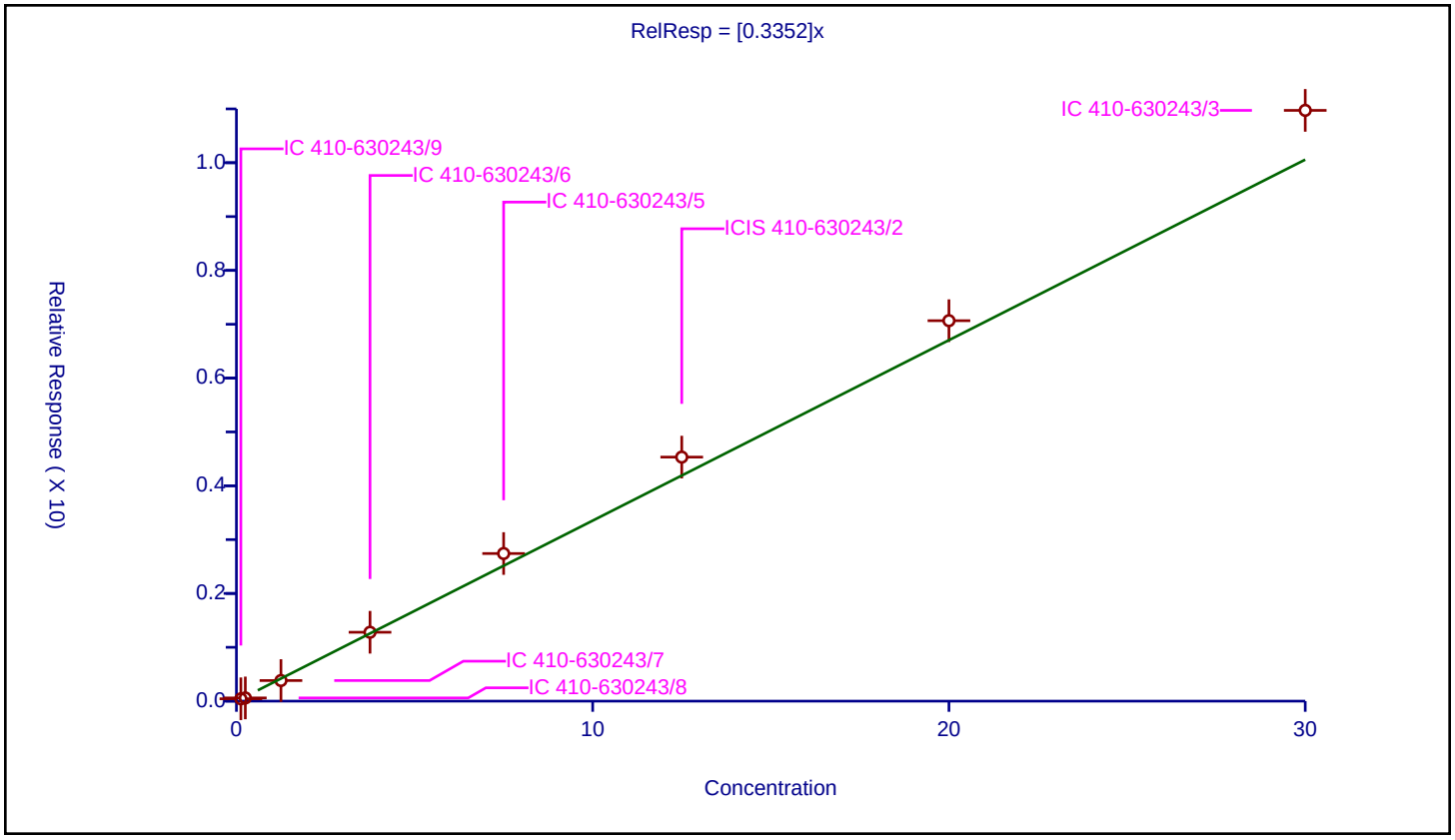
Curve Coefficients

Intercept:	0
Slope:	0.3352

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.043546	5.0	496721.0	0.348365	Y
2	IC 410-630243/8	0.25	0.059755	5.0	423899.0	0.239019	Y
3	IC 410-630243/7	1.25	0.382679	5.0	415727.0	0.306143	Y
4	IC 410-630243/6	3.75	1.279416	5.0	405857.0	0.341178	Y
5	IC 410-630243/5	7.5	2.741637	5.0	411619.0	0.365552	Y
6	ICIS 410-630243/2	12.5	4.532657	5.0	398829.0	0.362613	Y
7	IC 410-630243/4	20.0	7.066514	5.0	411928.0	0.353326	Y
8	IC 410-630243/3	30.0	10.972424	5.0	398684.0	0.365747	Y



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Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

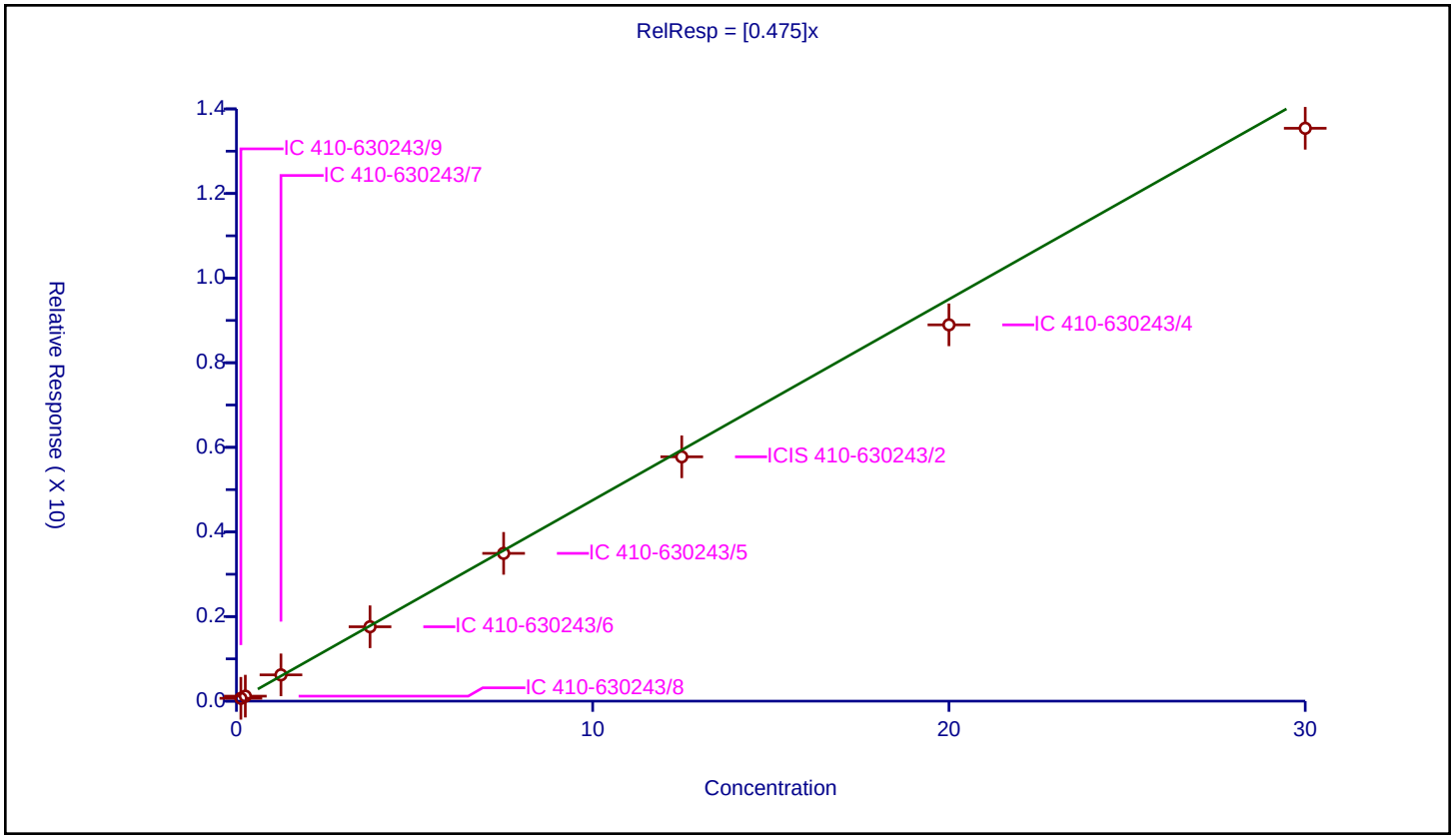
Curve Coefficients

Intercept:	0
Slope:	0.475

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.06716	5.0	496721.0	0.537284	Y
2	IC 410-630243/8	0.25	0.118248	5.0	423899.0	0.47299	Y
3	IC 410-630243/7	1.25	0.620972	5.0	415727.0	0.496778	Y
4	IC 410-630243/6	3.75	1.758304	5.0	405857.0	0.468881	Y
5	IC 410-630243/5	7.5	3.49323	5.0	411619.0	0.465764	Y
6	ICIS 410-630243/2	12.5	5.775696	5.0	398829.0	0.462056	Y
7	IC 410-630243/4	20.0	8.895511	5.0	411928.0	0.444776	Y
8	IC 410-630243/3	30.0	13.541878	5.0	398684.0	0.451396	Y



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Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

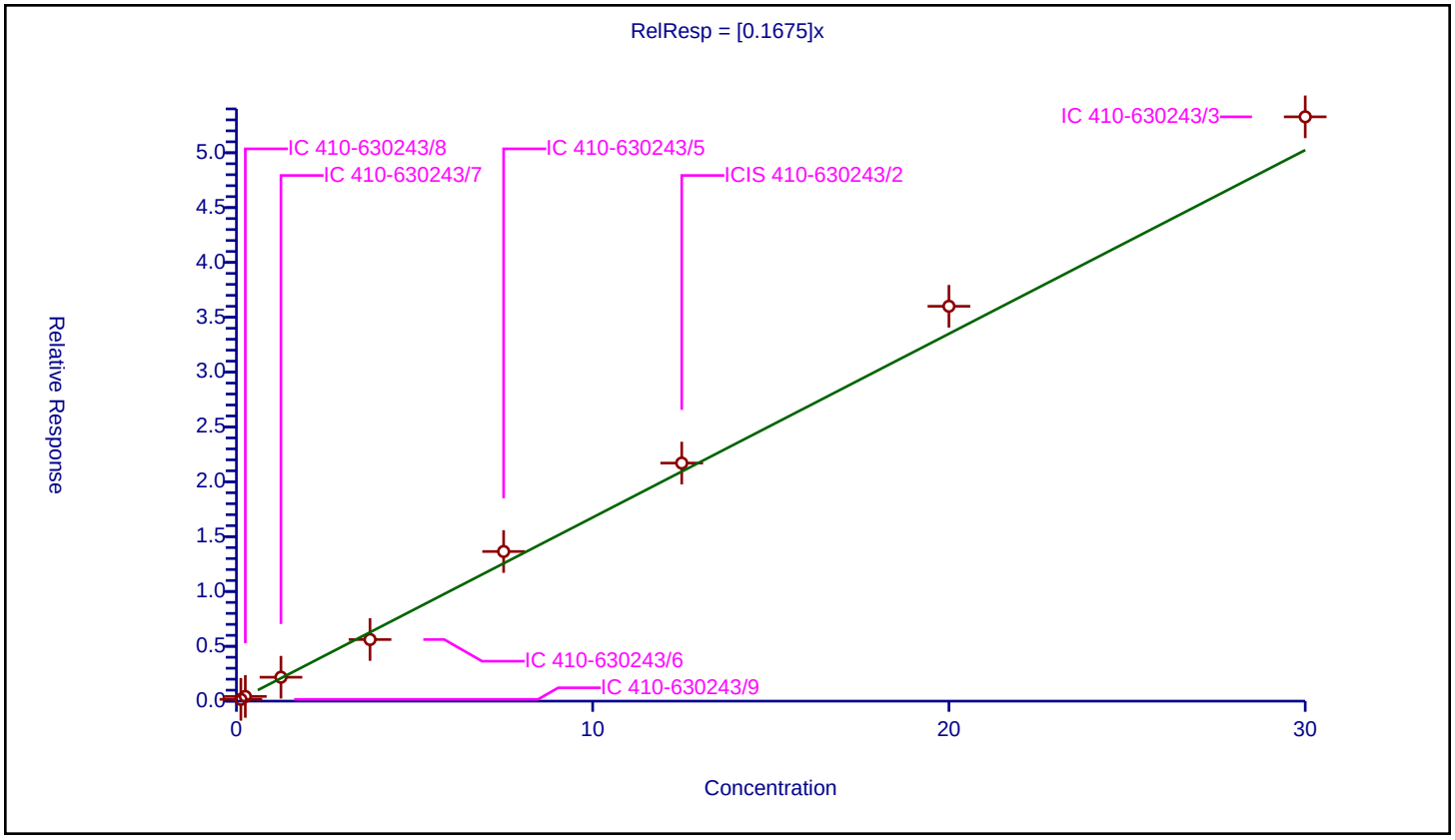
Curve Coefficients

Intercept:	0
Slope:	0.1675

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.016377	5.0	496721.0	0.131019	Y
2	IC 410-630243/8	0.25	0.042888	5.0	423899.0	0.17155	Y
3	IC 410-630243/7	1.25	0.217907	5.0	415727.0	0.174326	Y
4	IC 410-630243/6	3.75	0.561787	5.0	405857.0	0.14981	Y
5	IC 410-630243/5	7.5	1.364356	5.0	411619.0	0.181914	Y
6	ICIS 410-630243/2	12.5	2.170655	5.0	398829.0	0.173652	Y
7	IC 410-630243/4	20.0	3.600399	5.0	411928.0	0.18002	Y
8	IC 410-630243/3	30.0	5.32764	5.0	398684.0	0.177588	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

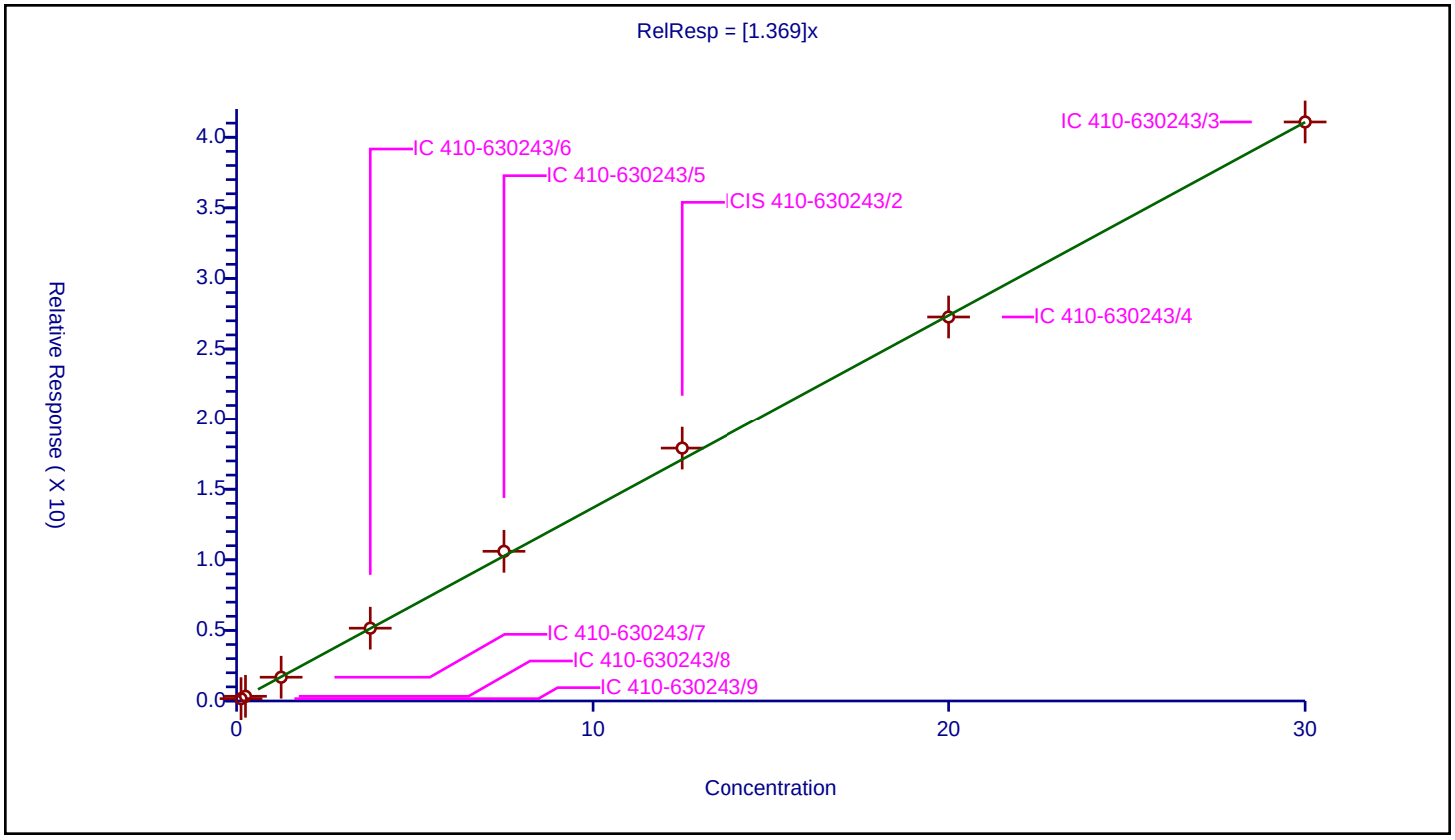
Curve Coefficients

Intercept:	0
Slope:	1.369

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.16463	5.0	496721.0	1.317037	Y
2	IC 410-630243/8	0.25	0.332957	5.0	423899.0	1.331827	Y
3	IC 410-630243/7	1.25	1.684579	5.0	415727.0	1.347663	Y
4	IC 410-630243/6	3.75	5.156705	5.0	405857.0	1.375121	Y
5	IC 410-630243/5	7.5	10.603264	5.0	411619.0	1.413769	Y
6	ICIS 410-630243/2	12.5	17.913605	5.0	398829.0	1.433088	Y
7	IC 410-630243/4	20.0	27.268491	5.0	411928.0	1.363425	Y
8	IC 410-630243/3	30.0	41.082248	5.0	398684.0	1.369408	Y



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Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

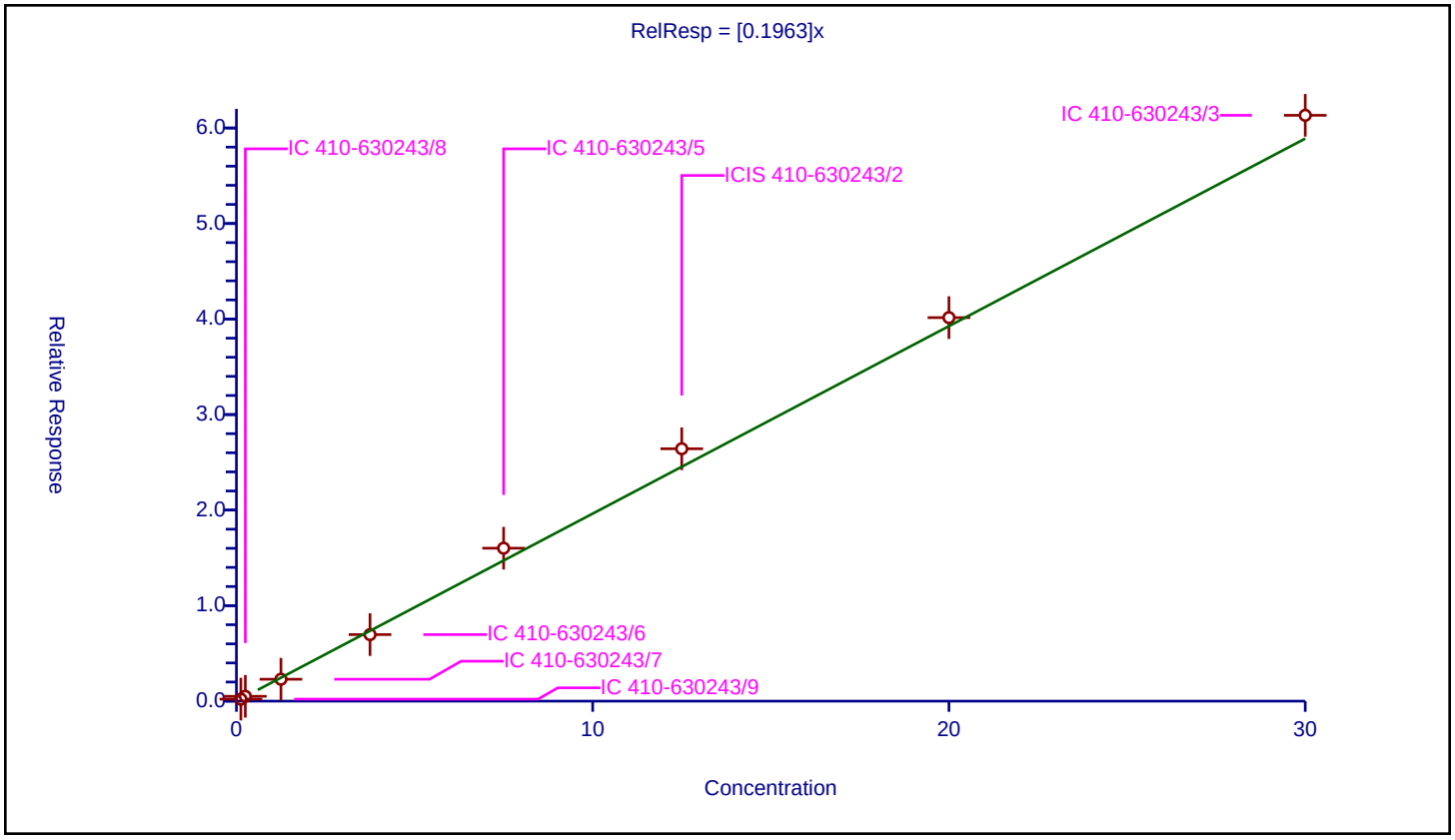
Curve Coefficients

Intercept:	0
Slope:	0.1963

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.021038	5.0	496721.0	0.168304	Y
2	IC 410-630243/8	0.25	0.050708	5.0	423899.0	0.202831	Y
3	IC 410-630243/7	1.25	0.229285	5.0	415727.0	0.183428	Y
4	IC 410-630243/6	3.75	0.6966	5.0	405857.0	0.18576	Y
5	IC 410-630243/5	7.5	1.601104	5.0	411619.0	0.213481	Y
6	ICIS 410-630243/2	12.5	2.642172	5.0	398829.0	0.211374	Y
7	IC 410-630243/4	20.0	4.014937	5.0	411928.0	0.200747	Y
8	IC 410-630243/3	30.0	6.132739	5.0	398684.0	0.204425	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

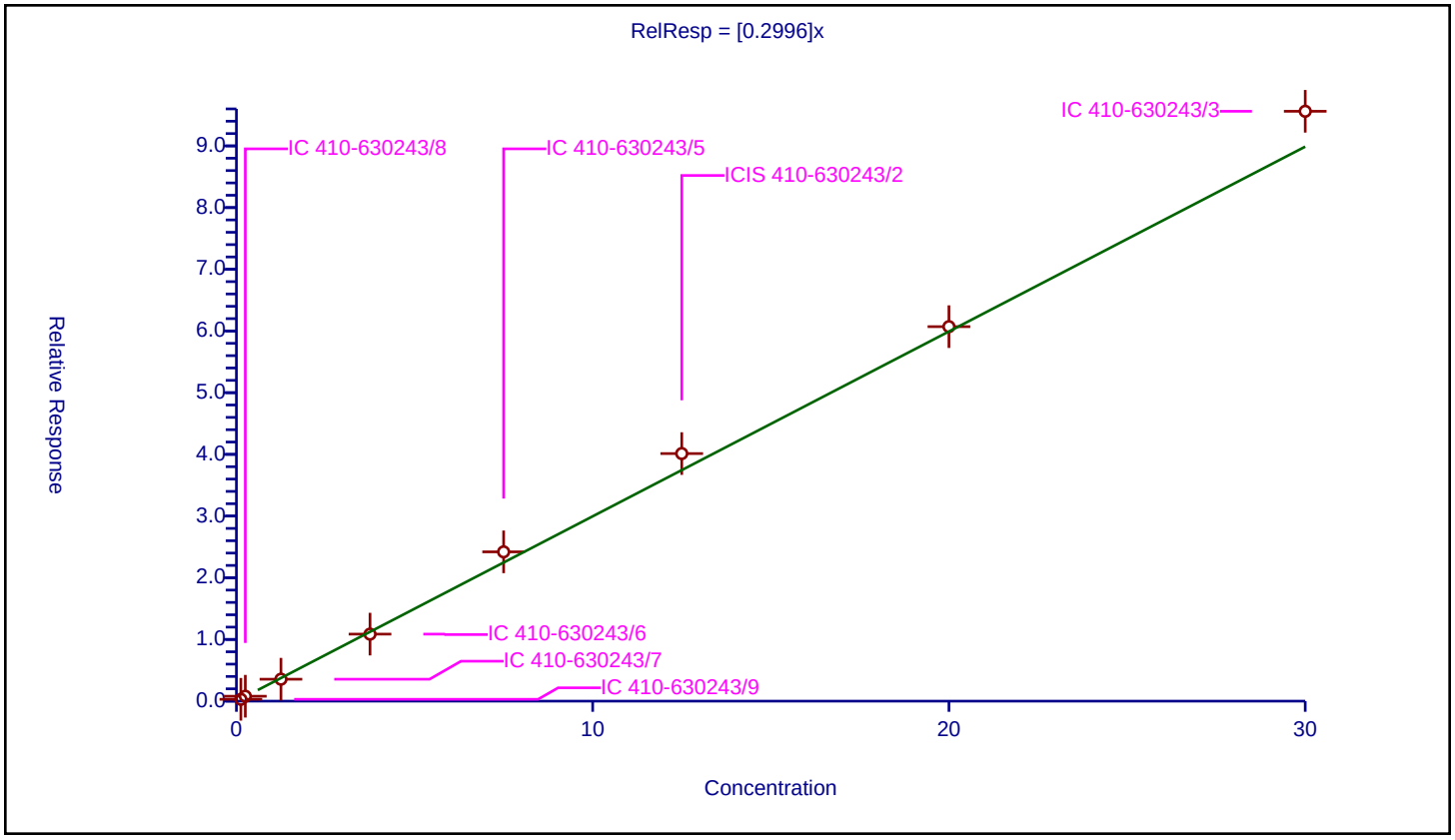
Curve Coefficients

Intercept:	0
Slope:	0.2996

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.029836	5.0	496721.0	0.238685	Y
2	IC 410-630243/8	0.25	0.079476	5.0	423899.0	0.317906	Y
3	IC 410-630243/7	1.25	0.355666	5.0	415727.0	0.284533	Y
4	IC 410-630243/6	3.75	1.08638	5.0	405857.0	0.289701	Y
5	IC 410-630243/5	7.5	2.41992	5.0	411619.0	0.322656	Y
6	ICIS 410-630243/2	12.5	4.013211	5.0	398829.0	0.321057	Y
7	IC 410-630243/4	20.0	6.070442	5.0	411928.0	0.303522	Y
8	IC 410-630243/3	30.0	9.561219	5.0	398684.0	0.318707	Y



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Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

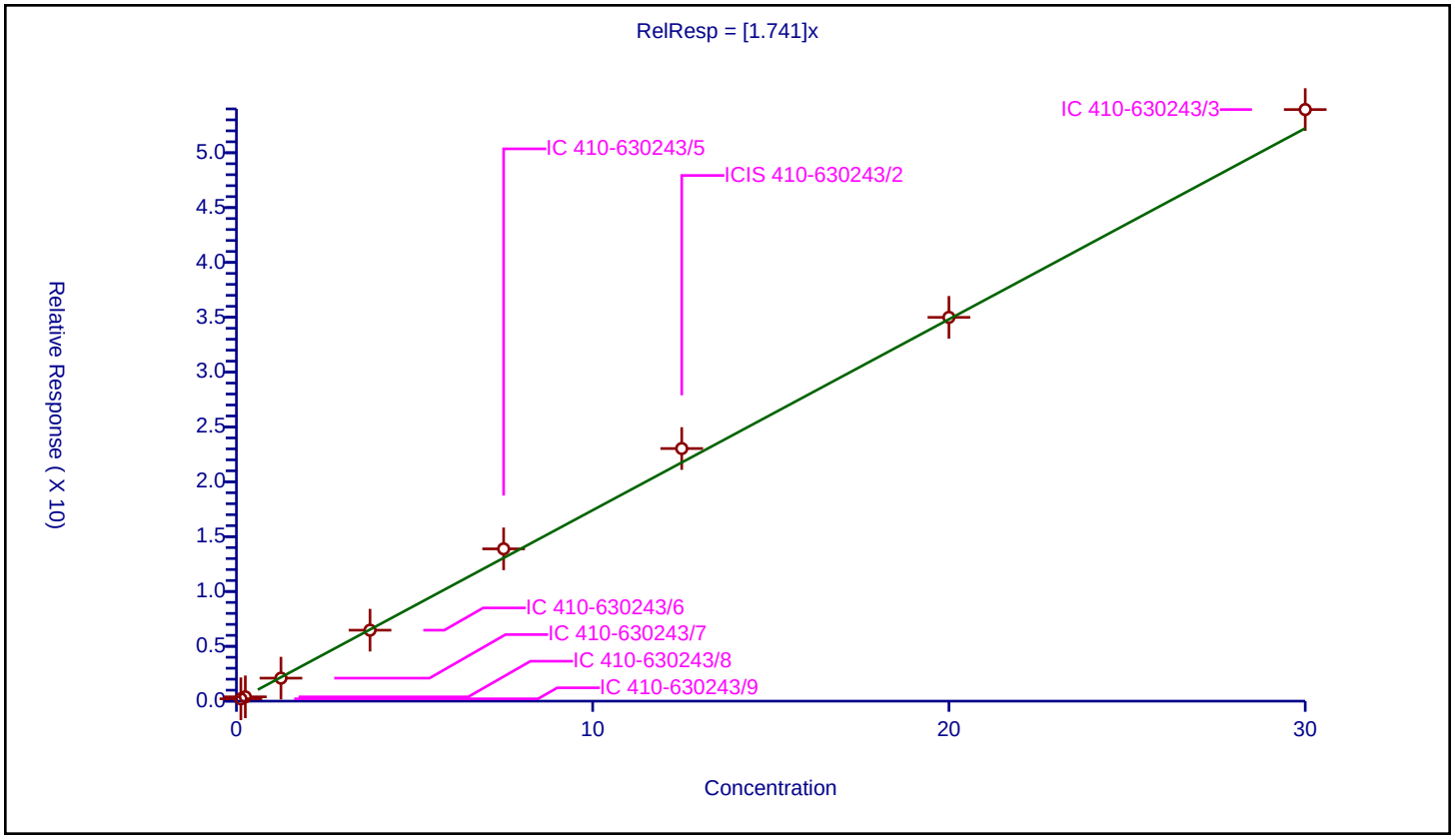
Curve Coefficients

Intercept:	0
Slope:	1.741

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.214829	5.0	496721.0	1.718631	Y
2	IC 410-630243/8	0.25	0.391013	5.0	423899.0	1.564052	Y
3	IC 410-630243/7	1.25	2.097109	5.0	415727.0	1.677688	Y
4	IC 410-630243/6	3.75	6.469877	5.0	405857.0	1.725301	Y
5	IC 410-630243/5	7.5	13.883822	5.0	411619.0	1.851176	Y
6	ICIS 410-630243/2	12.5	23.033719	5.0	398829.0	1.842697	Y
7	IC 410-630243/4	20.0	34.993615	5.0	411928.0	1.749681	Y
8	IC 410-630243/3	30.0	53.938382	5.0	398684.0	1.797946	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

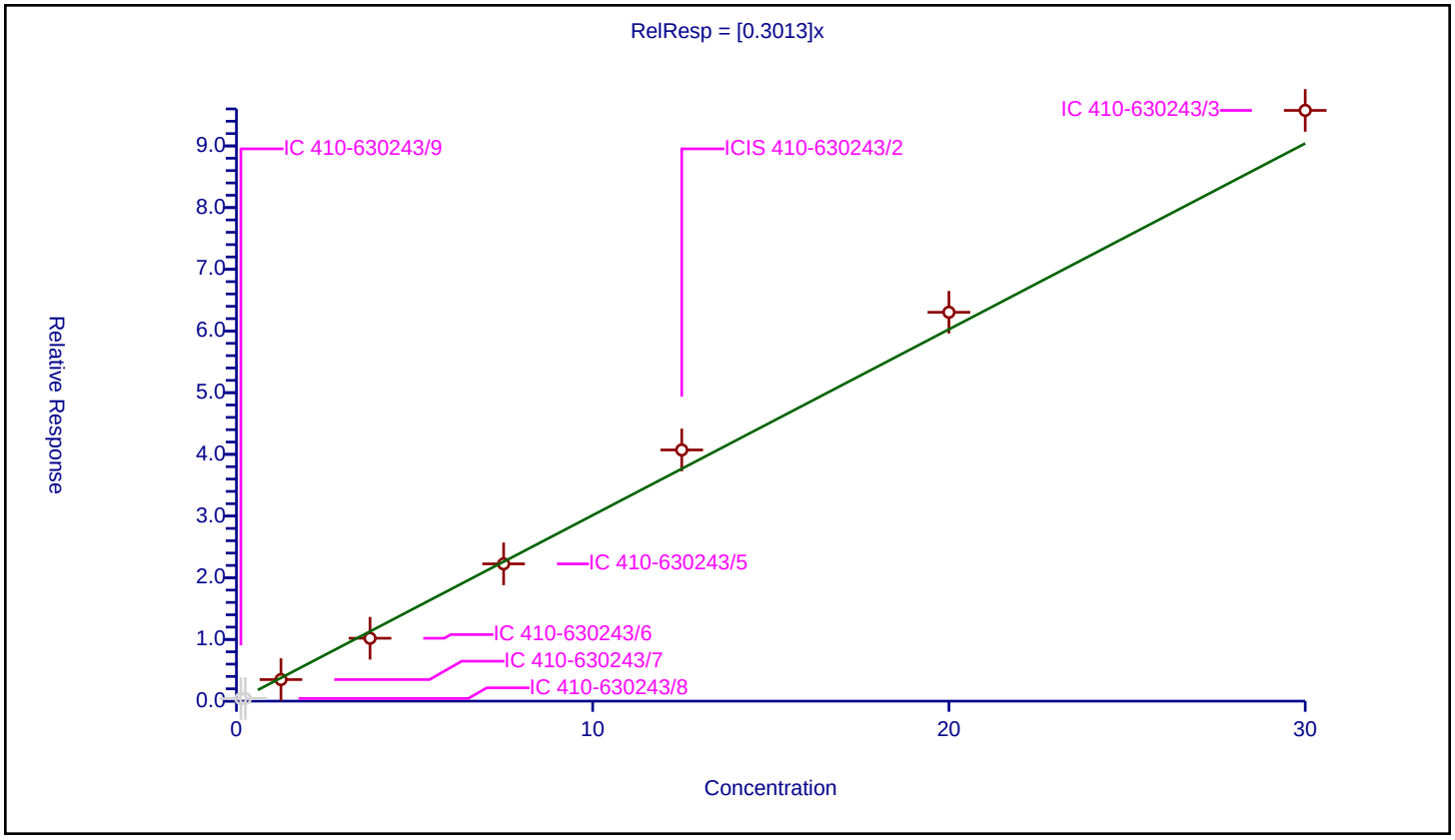
Curve Coefficients

Intercept:	0
Slope:	0.3013

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.042207	5.0	496721.0	0.337654	N
2	IC 410-630243/8	0.25	0.042911	5.0	423899.0	0.171645	N
3	IC 410-630243/7	1.25	0.349316	5.0	415727.0	0.279453	Y
4	IC 410-630243/6	3.75	1.019386	5.0	405857.0	0.271836	Y
5	IC 410-630243/5	7.5	2.225189	5.0	411619.0	0.296692	Y
6	ICIS 410-630243/2	12.5	4.071632	5.0	398829.0	0.325731	Y
7	IC 410-630243/4	20.0	6.303274	5.0	411928.0	0.315164	Y
8	IC 410-630243/3	30.0	9.575253	5.0	398684.0	0.319175	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

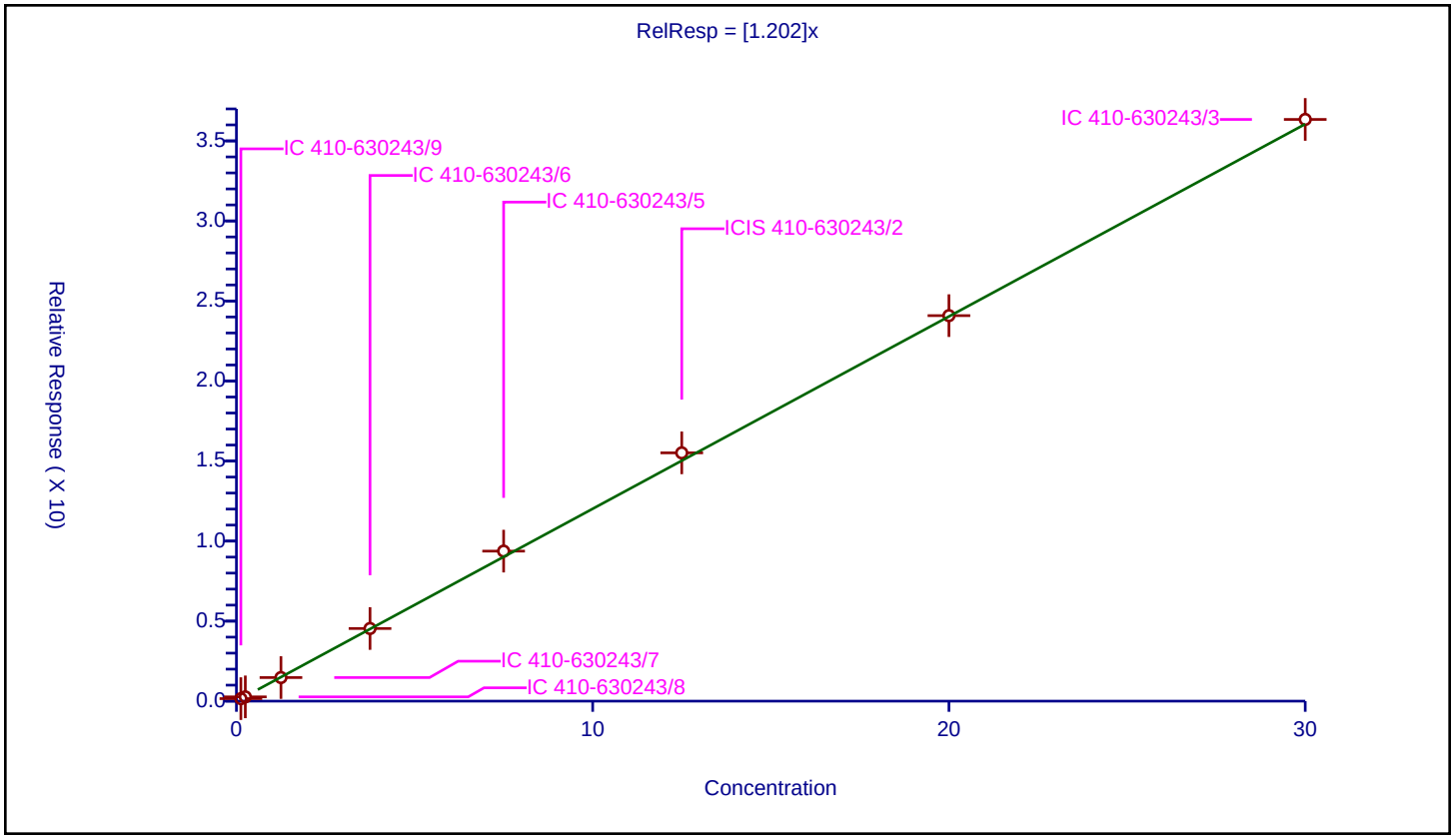
Curve Coefficients

Intercept:	0
Slope:	1.202

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.156657	5.0	496721.0	1.253259	Y
2	IC 410-630243/8	0.25	0.266325	5.0	423899.0	1.065301	Y
3	IC 410-630243/7	1.25	1.472673	5.0	415727.0	1.178139	Y
4	IC 410-630243/6	3.75	4.53815	5.0	405857.0	1.210173	Y
5	IC 410-630243/5	7.5	9.372818	5.0	411619.0	1.249709	Y
6	ICIS 410-630243/2	12.5	15.51161	5.0	398829.0	1.240929	Y
7	IC 410-630243/4	20.0	24.084585	5.0	411928.0	1.204229	Y
8	IC 410-630243/3	30.0	36.341413	5.0	398684.0	1.21138	Y



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Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

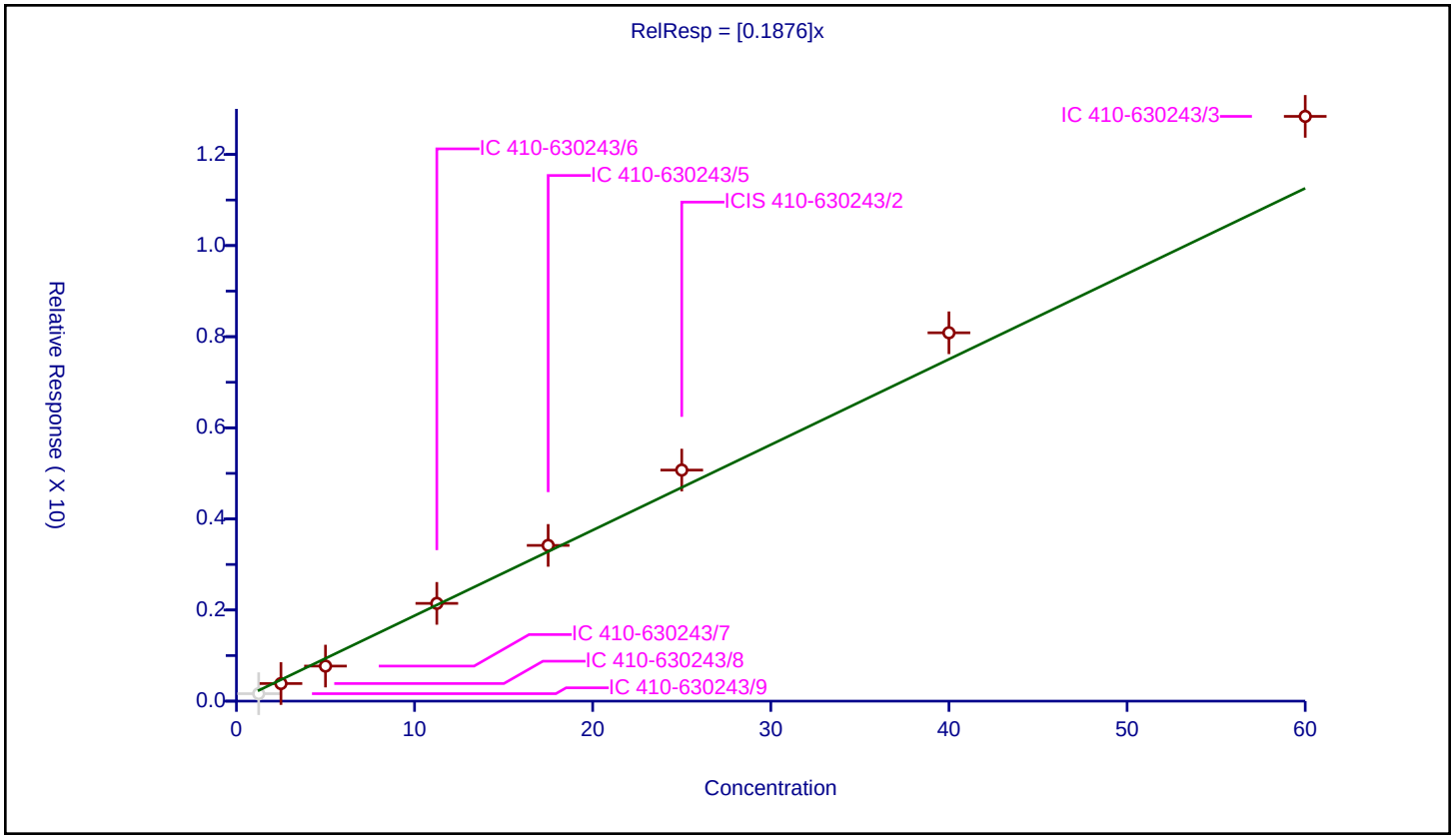
Curve Coefficients

Intercept:	0
Slope:	0.1876

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	1.25	0.163885	5.0	496721.0	0.131108	N
2	IC 410-630243/8	2.5	0.385965	5.0	423899.0	0.154386	Y
3	IC 410-630243/7	5.0	0.76958	5.0	415727.0	0.153916	Y
4	IC 410-630243/6	11.25	2.14562	5.0	405857.0	0.190722	Y
5	IC 410-630243/5	17.5	3.418866	5.0	411619.0	0.195364	Y
6	ICIS 410-630243/2	25.0	5.071898	5.0	398829.0	0.202876	Y
7	IC 410-630243/4	40.0	8.085369	5.0	411928.0	0.202134	Y
8	IC 410-630243/3	60.0	12.835429	5.0	398684.0	0.213924	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

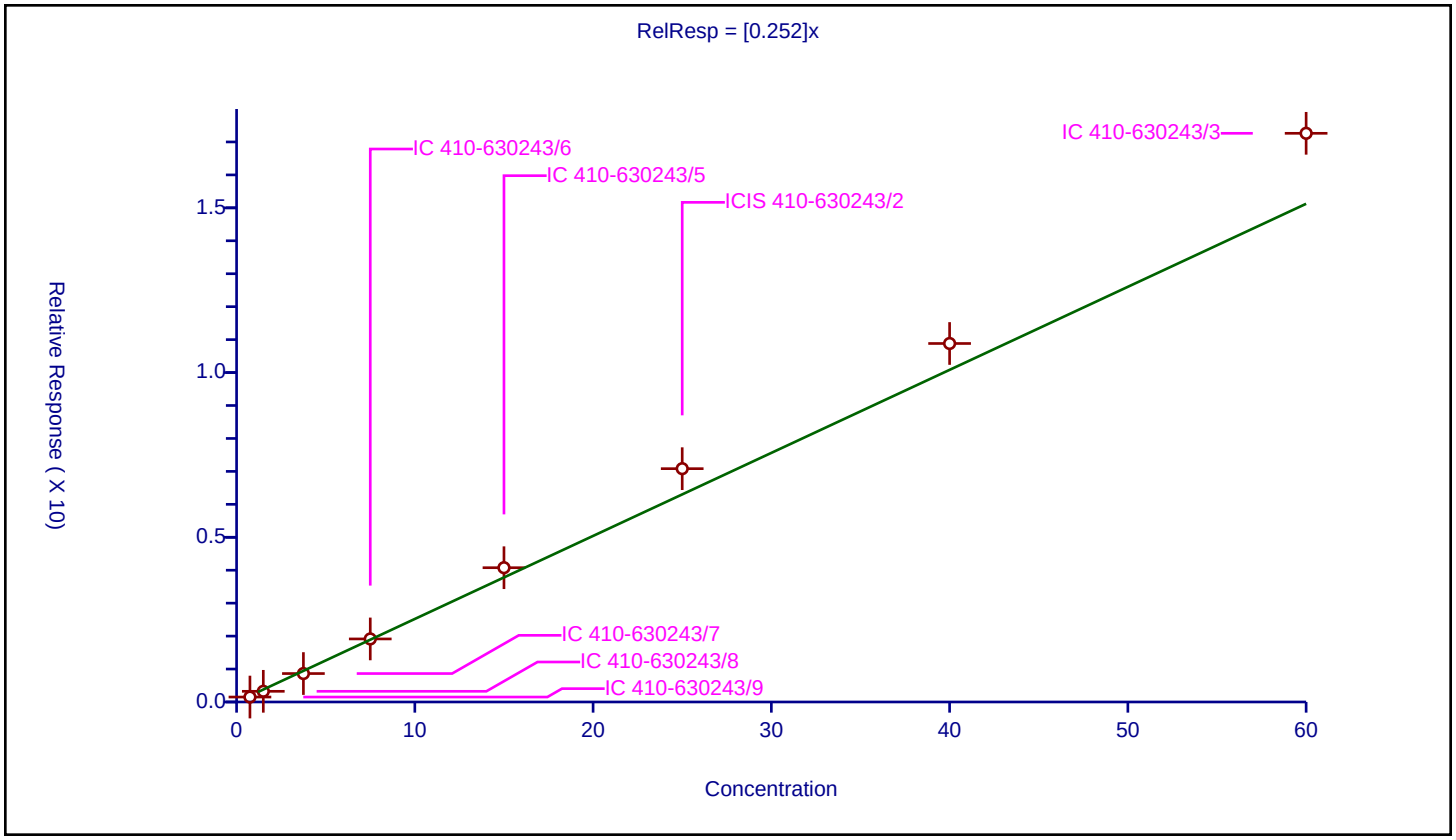
Curve Coefficients

Intercept:	0
Slope:	0.252

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.75	0.150114	5.0	496721.0	0.200153	Y
2	IC 410-630243/8	1.5	0.324098	5.0	423899.0	0.216066	Y
3	IC 410-630243/7	3.75	0.863127	5.0	415727.0	0.230167	Y
4	IC 410-630243/6	7.5	1.913851	5.0	405857.0	0.25518	Y
5	IC 410-630243/5	15.0	4.076306	5.0	411619.0	0.271754	Y
6	ICIS 410-630243/2	25.0	7.082334	5.0	398829.0	0.283293	Y
7	IC 410-630243/4	40.0	10.882242	5.0	411928.0	0.272056	Y
8	IC 410-630243/3	60.0	17.262632	5.0	398684.0	0.287711	Y



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Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

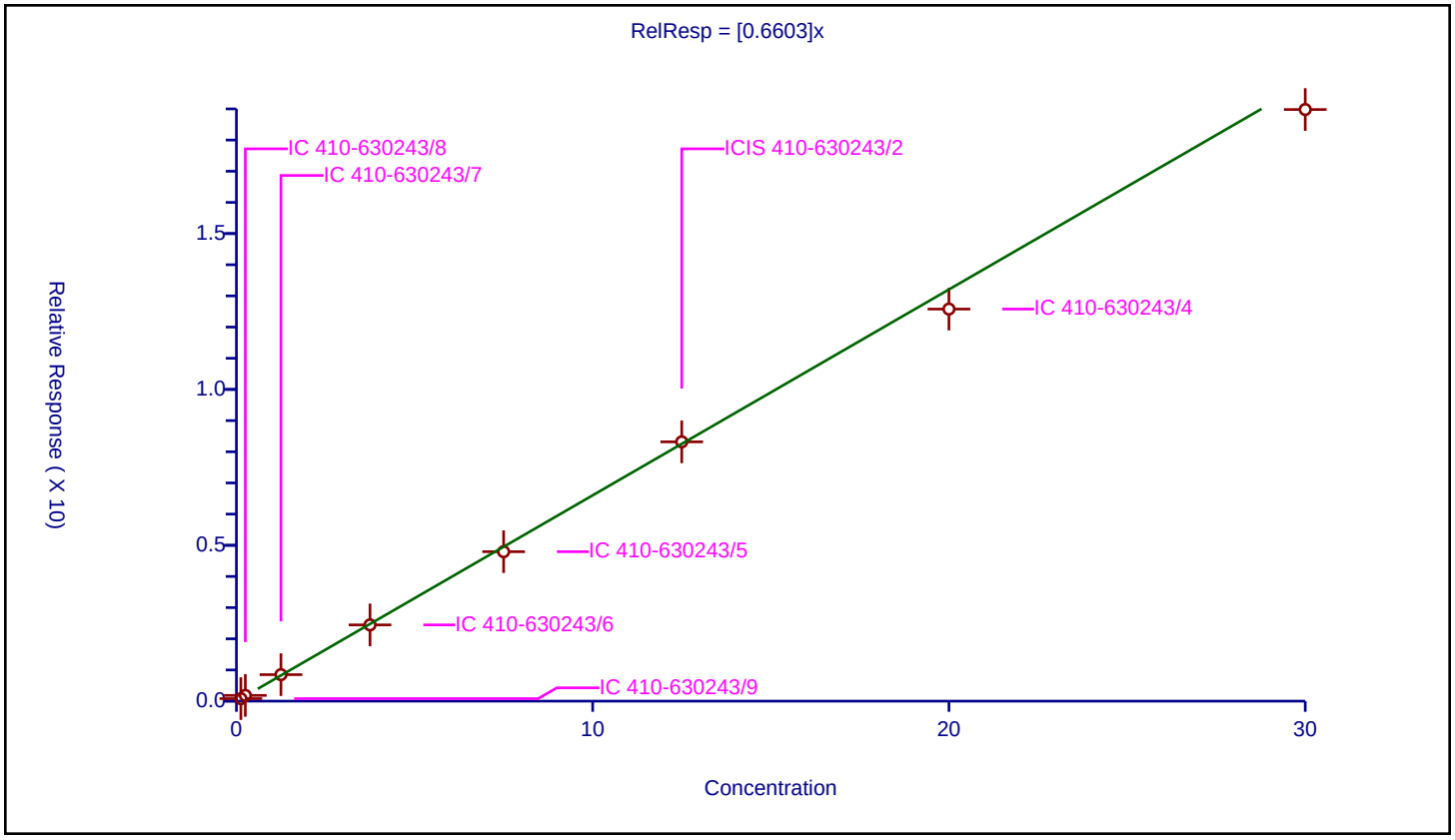
Curve Coefficients

Intercept:	0
Slope:	0.6603

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.081041	5.0	496721.0	0.648332	Y
2	IC 410-630243/8	0.25	0.183912	5.0	423899.0	0.735647	Y
3	IC 410-630243/7	1.25	0.850089	5.0	415727.0	0.680071	Y
4	IC 410-630243/6	3.75	2.445529	5.0	405857.0	0.652141	Y
5	IC 410-630243/5	7.5	4.79492	5.0	411619.0	0.639323	Y
6	ICIS 410-630243/2	12.5	8.318615	5.0	398829.0	0.665489	Y
7	IC 410-630243/4	20.0	12.57812	5.0	411928.0	0.628906	Y
8	IC 410-630243/3	30.0	18.979166	5.0	398684.0	0.632639	Y



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Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

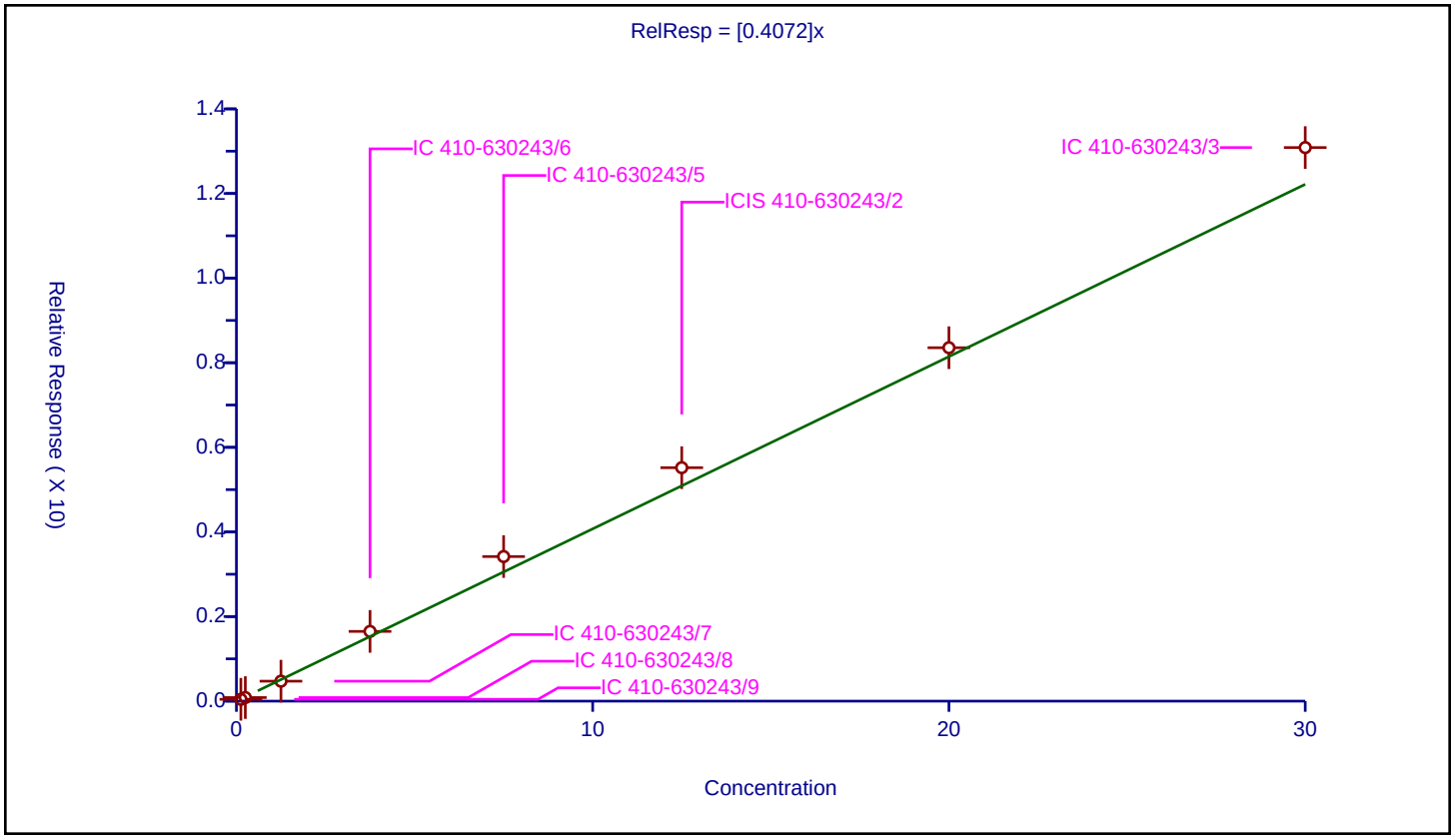
Curve Coefficients

Intercept:	0
Slope:	0.4072

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.043868	5.0	496721.0	0.350941	Y
2	IC 410-630243/8	0.25	0.084631	5.0	423899.0	0.338524	Y
3	IC 410-630243/7	1.25	0.472173	5.0	415727.0	0.377738	Y
4	IC 410-630243/6	3.75	1.648388	5.0	405857.0	0.43957	Y
5	IC 410-630243/5	7.5	3.417469	5.0	411619.0	0.455662	Y
6	ICIS 410-630243/2	12.5	5.518756	5.0	398829.0	0.4415	Y
7	IC 410-630243/4	20.0	8.354312	5.0	411928.0	0.417716	Y
8	IC 410-630243/3	30.0	13.08584	5.0	398684.0	0.436195	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

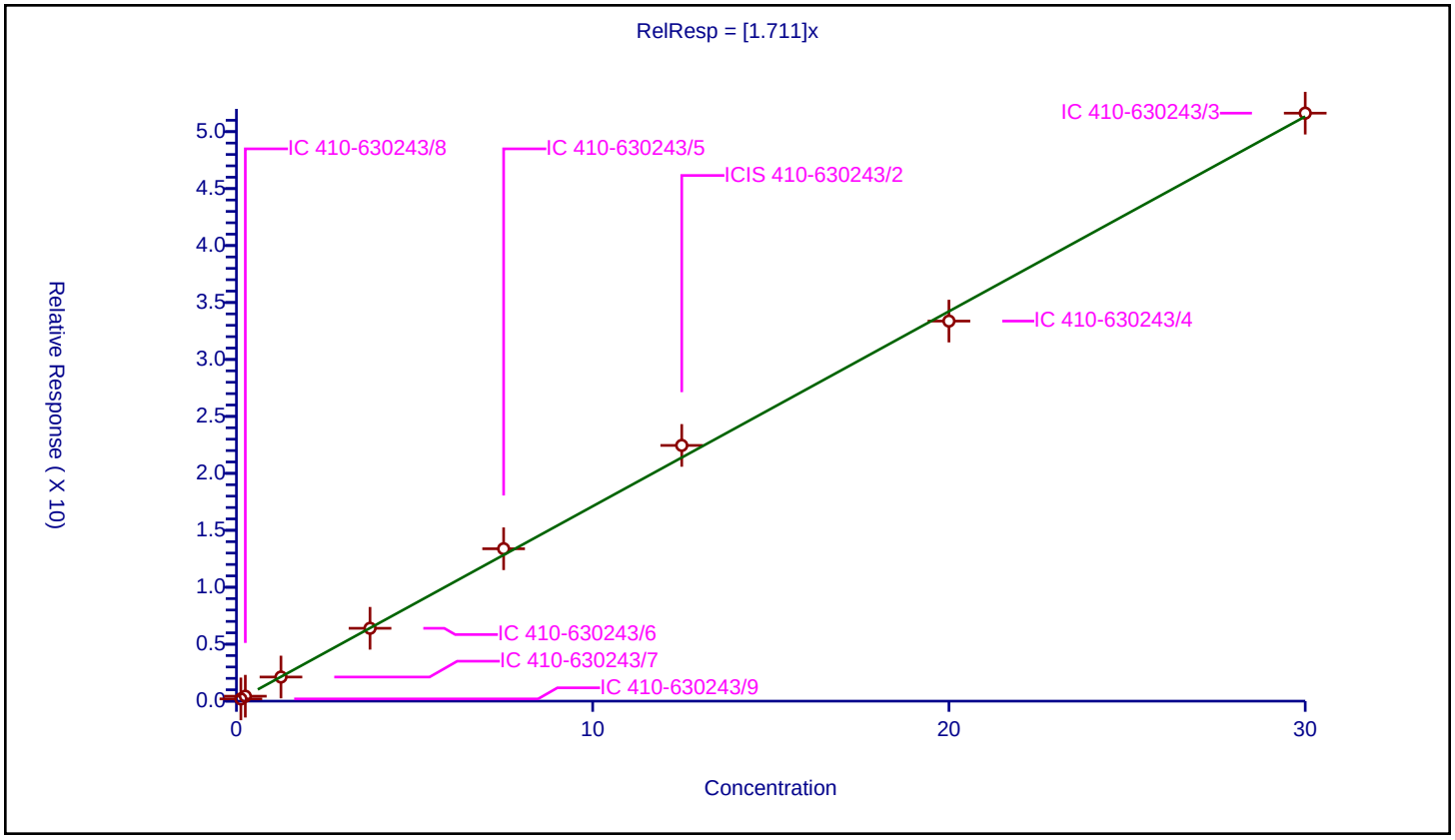
Curve Coefficients

Intercept:	0
Slope:	1.711

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.197767	5.0	496721.0	1.582136	Y
2	IC 410-630243/8	0.25	0.434443	5.0	423899.0	1.737772	Y
3	IC 410-630243/7	1.25	2.117038	5.0	415727.0	1.693631	Y
4	IC 410-630243/6	3.75	6.396428	5.0	405857.0	1.705714	Y
5	IC 410-630243/5	7.5	13.380687	5.0	411619.0	1.784092	Y
6	ICIS 410-630243/2	12.5	22.453157	5.0	398829.0	1.796253	Y
7	IC 410-630243/4	20.0	33.370213	5.0	411928.0	1.668511	Y
8	IC 410-630243/3	30.0	51.626376	5.0	398684.0	1.720879	Y



Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

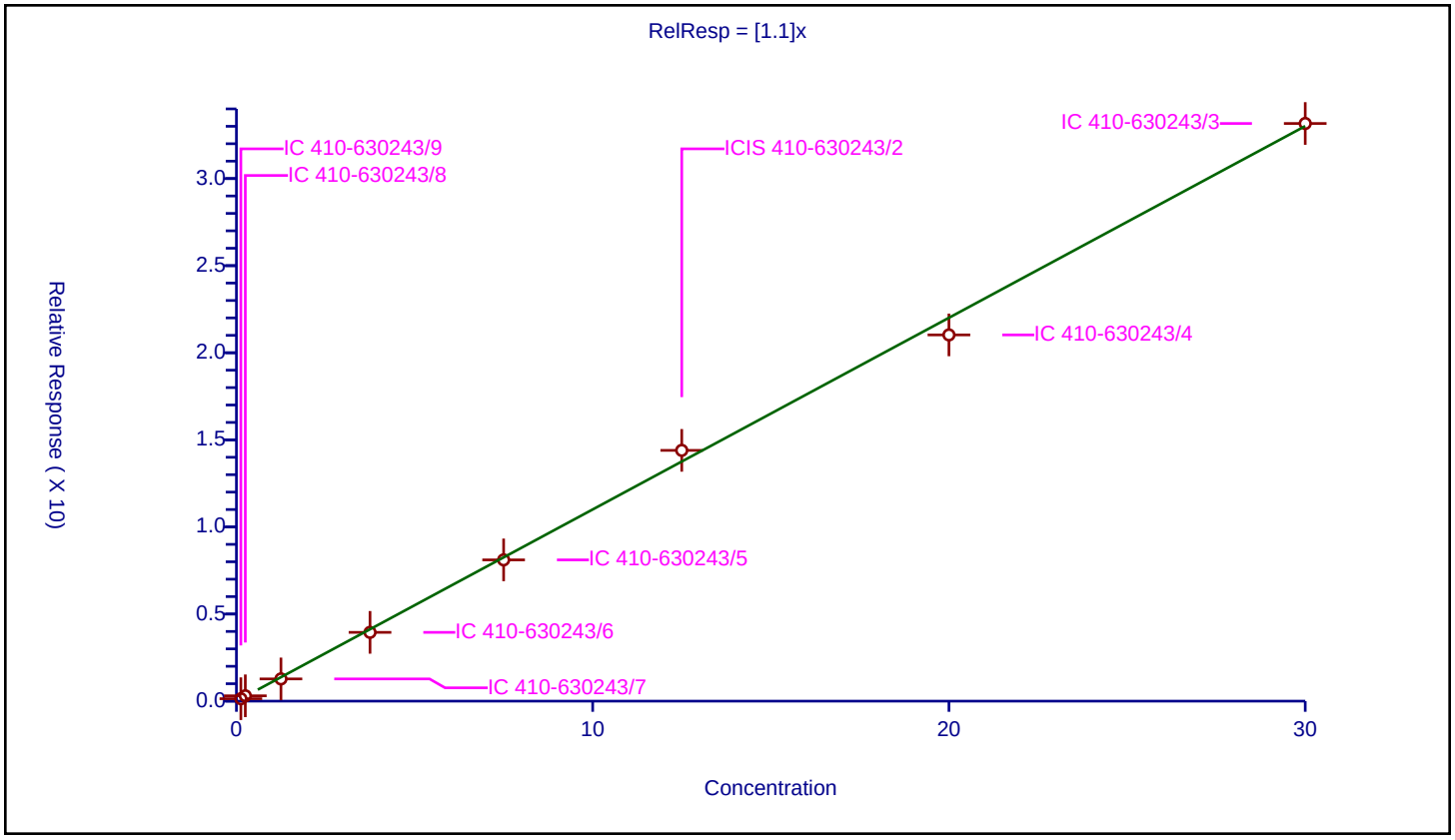
Curve Coefficients

Intercept:	0
Slope:	1.1

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.139293	5.0	496721.0	1.114348	Y
2	IC 410-630243/8	0.25	0.306476	5.0	423899.0	1.225905	Y
3	IC 410-630243/7	1.25	1.275416	5.0	415727.0	1.020333	Y
4	IC 410-630243/6	3.75	3.948965	5.0	405857.0	1.053057	Y
5	IC 410-630243/5	7.5	8.109696	5.0	411619.0	1.081293	Y
6	ICIS 410-630243/2	12.5	14.396546	5.0	398829.0	1.151724	Y
7	IC 410-630243/4	20.0	21.02507	5.0	411928.0	1.051253	Y
8	IC 410-630243/3	30.0	33.161338	5.0	398684.0	1.105378	Y



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Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

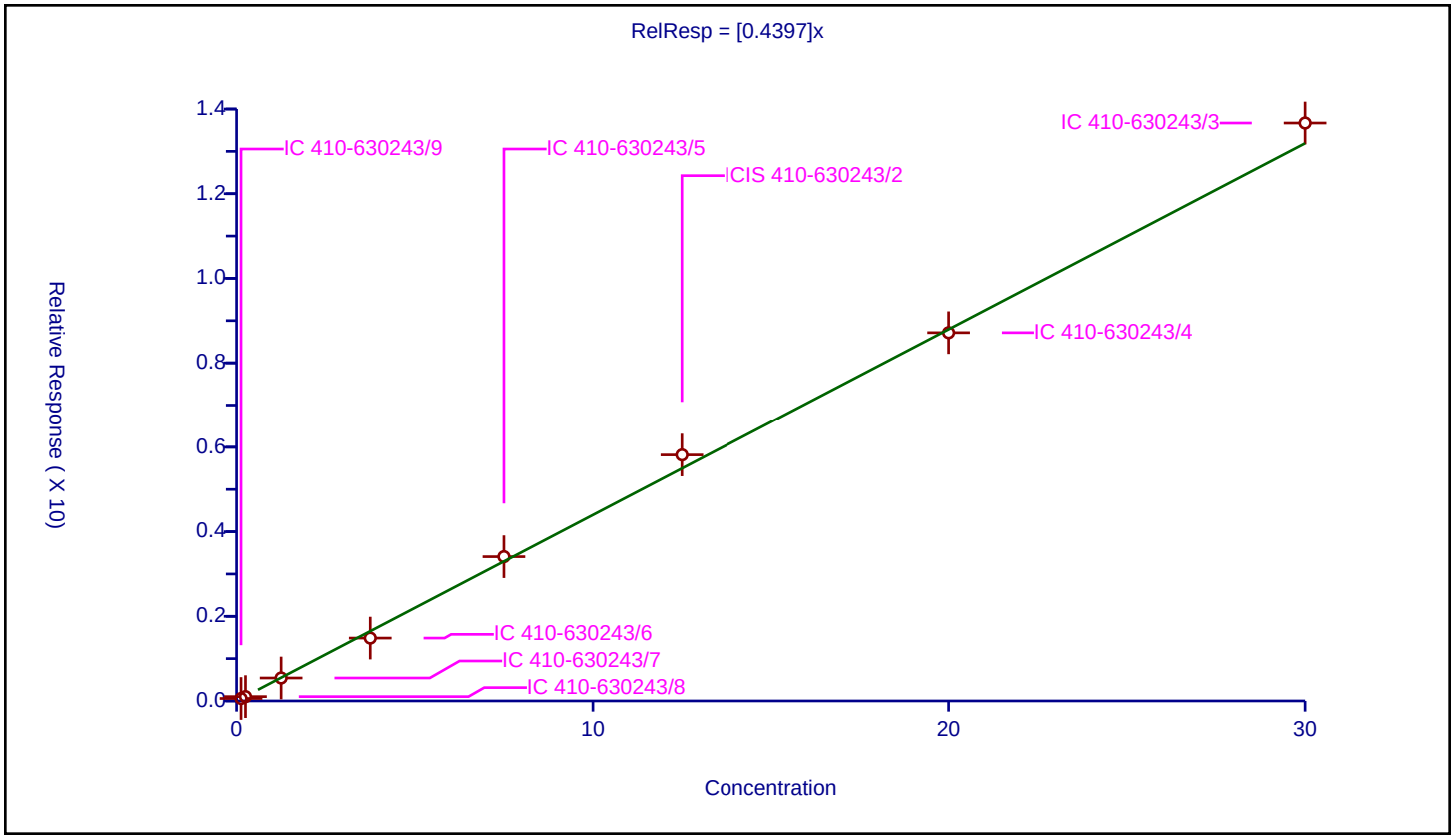
Curve Coefficients

Intercept:	0
Slope:	0.4397

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.058413	5.0	496721.0	0.467305	Y
2	IC 410-630243/8	0.25	0.102112	5.0	423899.0	0.408446	Y
3	IC 410-630243/7	1.25	0.542676	5.0	415727.0	0.434141	Y
4	IC 410-630243/6	3.75	1.485646	5.0	405857.0	0.396172	Y
5	IC 410-630243/5	7.5	3.40984	5.0	411619.0	0.454645	Y
6	ICIS 410-630243/2	12.5	5.816277	5.0	398829.0	0.465302	Y
7	IC 410-630243/4	20.0	8.715309	5.0	411928.0	0.435765	Y
8	IC 410-630243/3	30.0	13.669698	5.0	398684.0	0.455657	Y



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Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

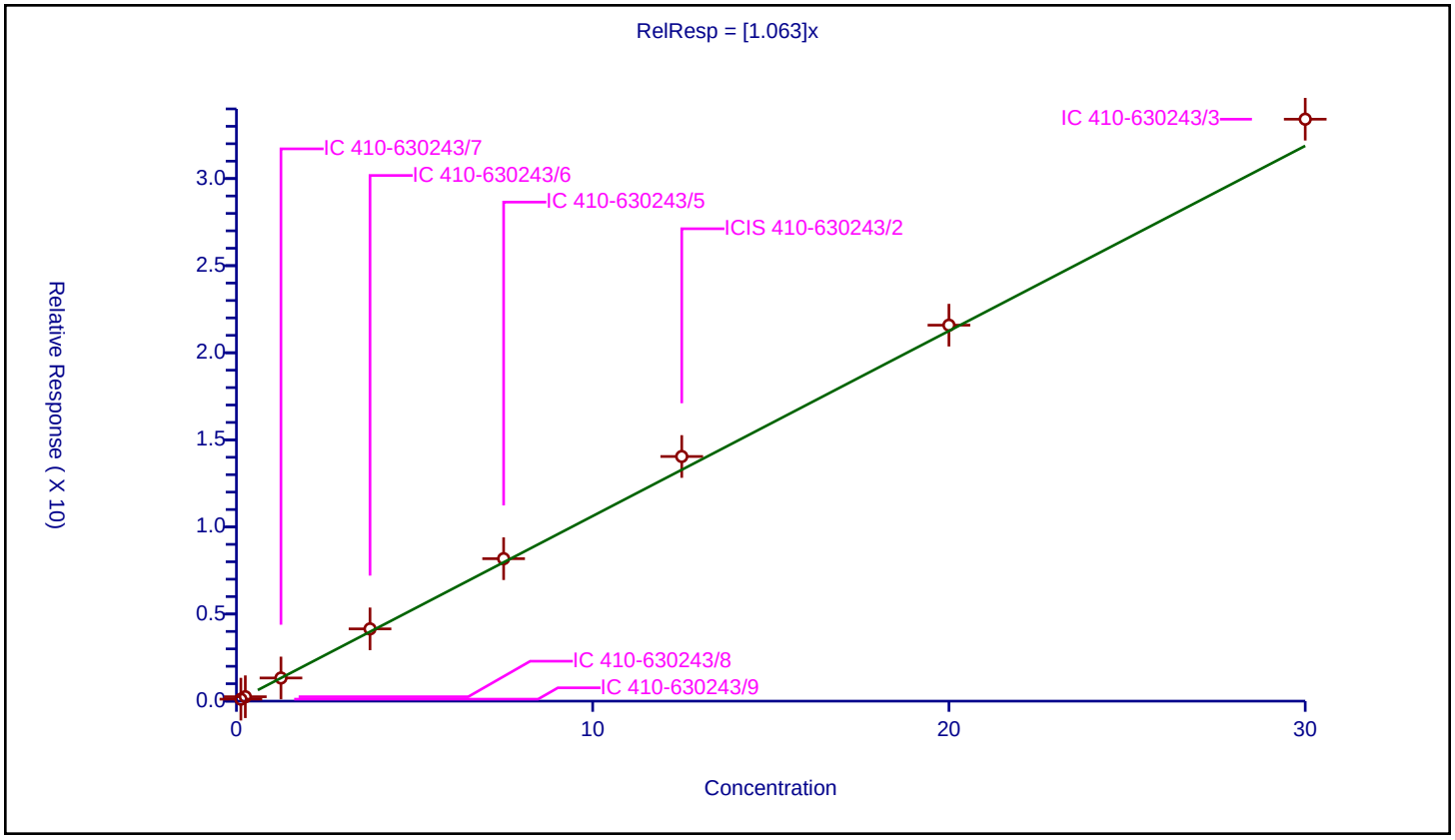
Curve Coefficients

Intercept:	0
Slope:	1.063

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.113867	5.0	496721.0	0.910934	Y
2	IC 410-630243/8	0.25	0.253327	5.0	423899.0	1.013307	Y
3	IC 410-630243/7	1.25	1.329166	5.0	415727.0	1.063332	Y
4	IC 410-630243/6	3.75	4.148937	5.0	405857.0	1.106383	Y
5	IC 410-630243/5	7.5	8.177939	5.0	411619.0	1.090392	Y
6	ICIS 410-630243/2	12.5	14.044741	5.0	398829.0	1.123579	Y
7	IC 410-630243/4	20.0	21.583918	5.0	411928.0	1.079196	Y
8	IC 410-630243/3	30.0	33.408364	5.0	398684.0	1.113612	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

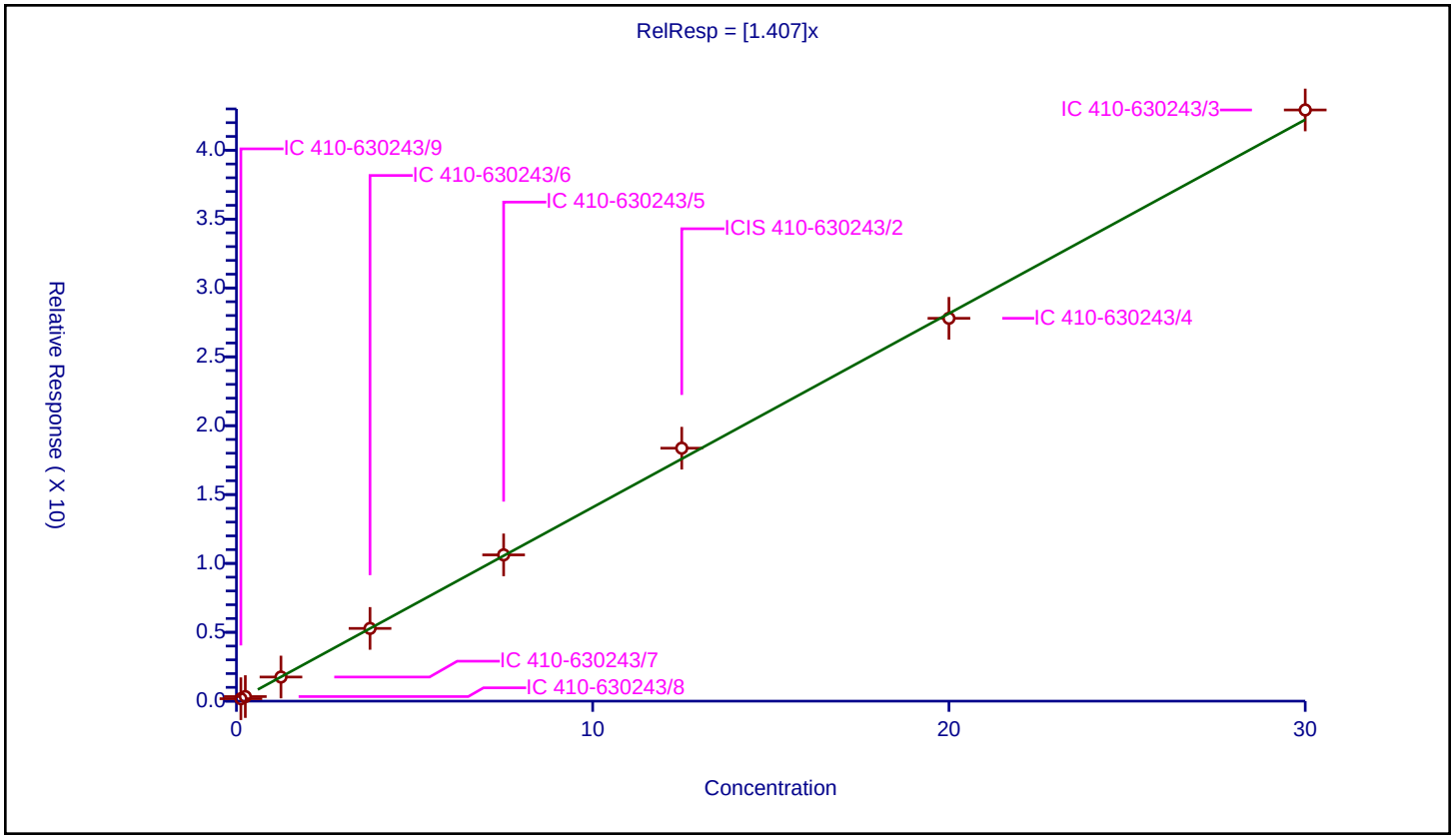
Curve Coefficients

Intercept:	0
Slope:	1.407

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.177544	5.0	496721.0	1.420355	Y
2	IC 410-630243/8	0.25	0.330786	5.0	423899.0	1.323145	Y
3	IC 410-630243/7	1.25	1.750752	5.0	415727.0	1.400602	Y
4	IC 410-630243/6	3.75	5.280049	5.0	405857.0	1.408013	Y
5	IC 410-630243/5	7.5	10.618922	5.0	411619.0	1.415856	Y
6	ICIS 410-630243/2	12.5	18.365866	5.0	398829.0	1.469269	Y
7	IC 410-630243/4	20.0	27.796108	5.0	411928.0	1.389805	Y
8	IC 410-630243/3	30.0	42.922239	5.0	398684.0	1.430741	Y



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Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

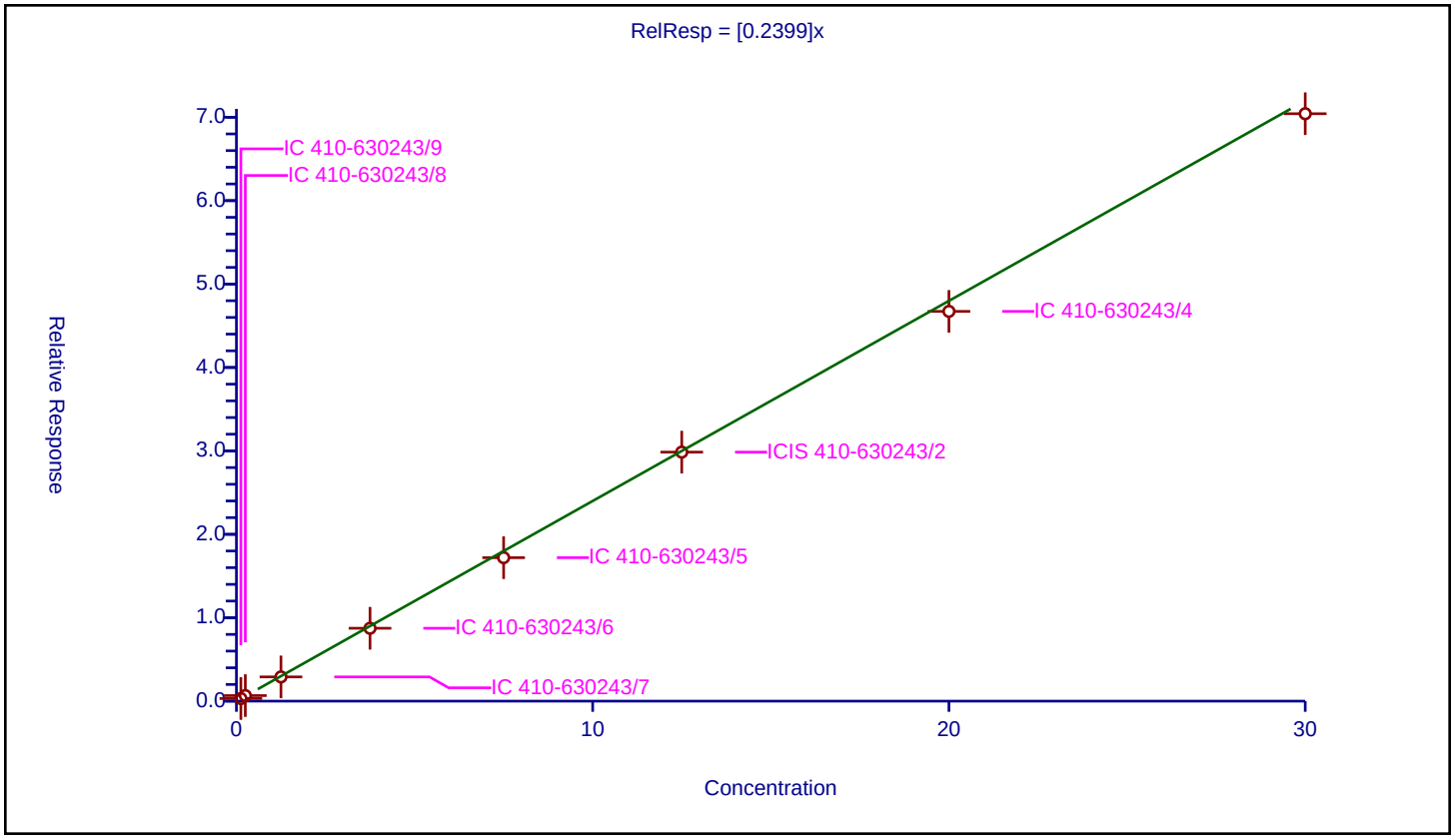
Curve Coefficients

Intercept:	0
Slope:	0.2399

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.031376	5.0	496721.0	0.251006	Y
2	IC 410-630243/8	0.25	0.066655	5.0	423899.0	0.26662	Y
3	IC 410-630243/7	1.25	0.290527	5.0	415727.0	0.232422	Y
4	IC 410-630243/6	3.75	0.873608	5.0	405857.0	0.232962	Y
5	IC 410-630243/5	7.5	1.719989	5.0	411619.0	0.229332	Y
6	ICIS 410-630243/2	12.5	2.985126	5.0	398829.0	0.23881	Y
7	IC 410-630243/4	20.0	4.672528	5.0	411928.0	0.233626	Y
8	IC 410-630243/3	30.0	7.042131	5.0	398684.0	0.234738	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

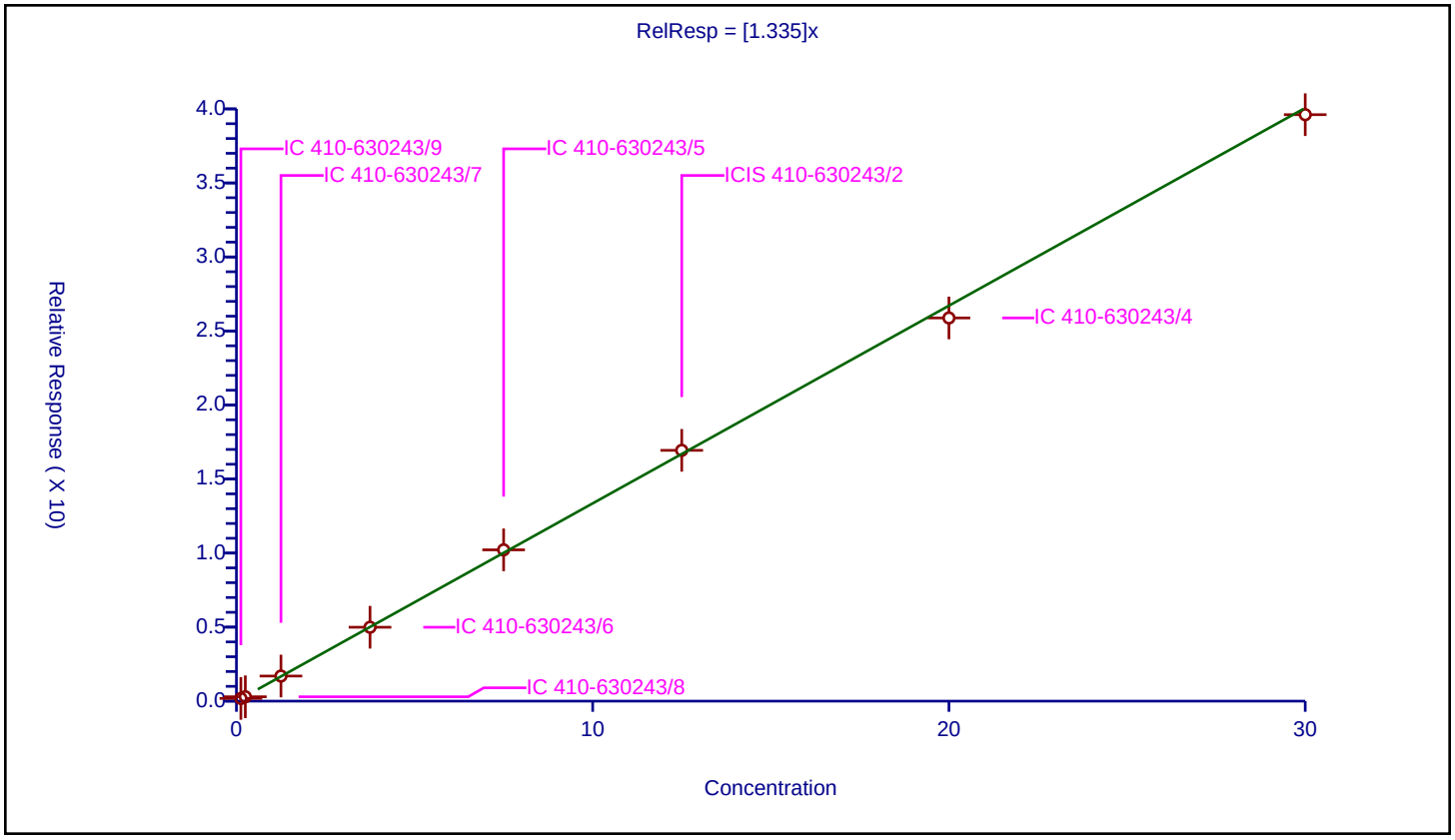
Curve Coefficients

Intercept:	0
Slope:	1.335

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.184963	5.0	496721.0	1.479704	Y
2	IC 410-630243/8	0.25	0.296356	5.0	423899.0	1.185424	Y
3	IC 410-630243/7	1.25	1.695043	5.0	415727.0	1.356034	Y
4	IC 410-630243/6	3.75	4.990033	5.0	405857.0	1.330676	Y
5	IC 410-630243/5	7.5	10.219208	5.0	411619.0	1.362561	Y
6	ICIS 410-630243/2	12.5	16.938212	5.0	398829.0	1.355057	Y
7	IC 410-630243/4	20.0	25.880785	5.0	411928.0	1.294039	Y
8	IC 410-630243/3	30.0	39.609377	5.0	398684.0	1.320313	Y



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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

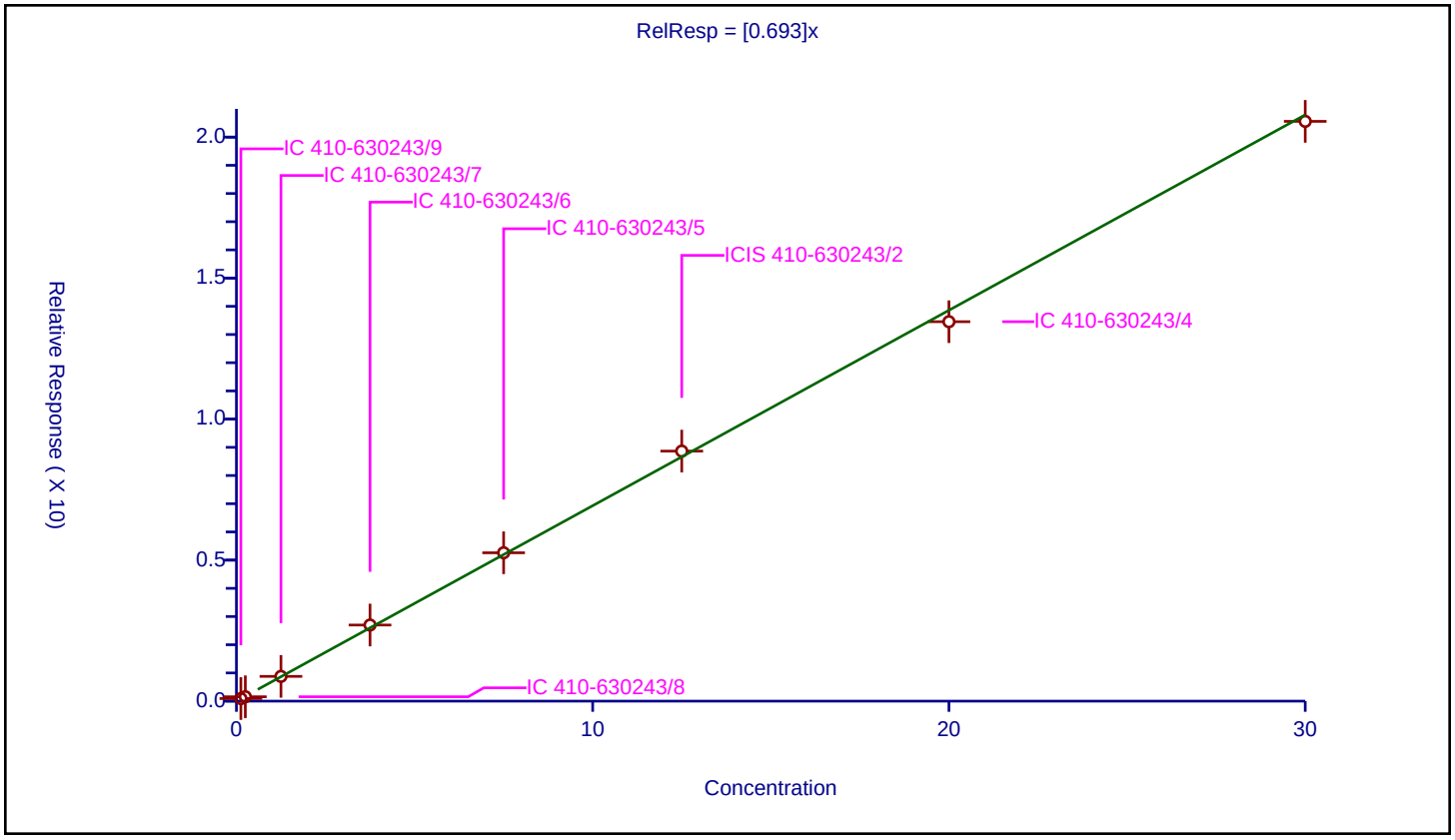
Curve Coefficients

Intercept:	0
Slope:	0.693

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.091611	5.0	496721.0	0.732886	Y
2	IC 410-630243/8	0.25	0.155108	5.0	423899.0	0.620431	Y
3	IC 410-630243/7	1.25	0.877679	5.0	415727.0	0.702143	Y
4	IC 410-630243/6	3.75	2.698857	5.0	405857.0	0.719695	Y
5	IC 410-630243/5	7.5	5.260909	5.0	411619.0	0.701455	Y
6	ICIS 410-630243/2	12.5	8.865052	5.0	398829.0	0.709204	Y
7	IC 410-630243/4	20.0	13.454342	5.0	411928.0	0.672717	Y
8	IC 410-630243/3	30.0	20.557873	5.0	398684.0	0.685262	Y



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Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

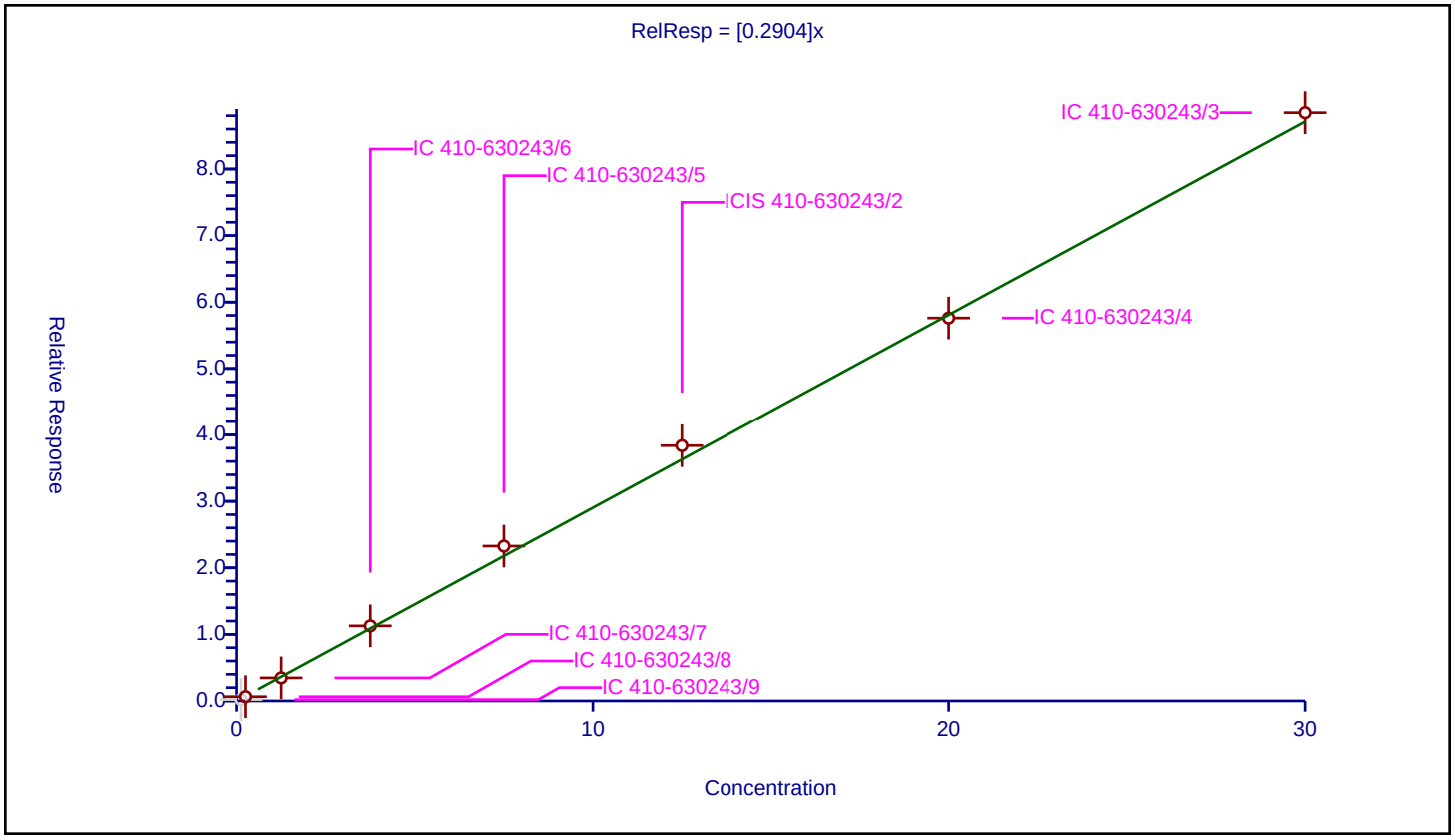
Curve Coefficients

Intercept:	0
Slope:	0.2904

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.020122	5.0	496721.0	0.160976	N
2	IC 410-630243/8	0.25	0.063694	5.0	423899.0	0.254778	Y
3	IC 410-630243/7	1.25	0.346393	5.0	415727.0	0.277115	Y
4	IC 410-630243/6	3.75	1.127663	5.0	405857.0	0.30071	Y
5	IC 410-630243/5	7.5	2.326642	5.0	411619.0	0.310219	Y
6	ICIS 410-630243/2	12.5	3.838236	5.0	398829.0	0.307059	Y
7	IC 410-630243/4	20.0	5.760303	5.0	411928.0	0.288015	Y
8	IC 410-630243/3	30.0	8.845038	5.0	398684.0	0.294835	Y



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Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

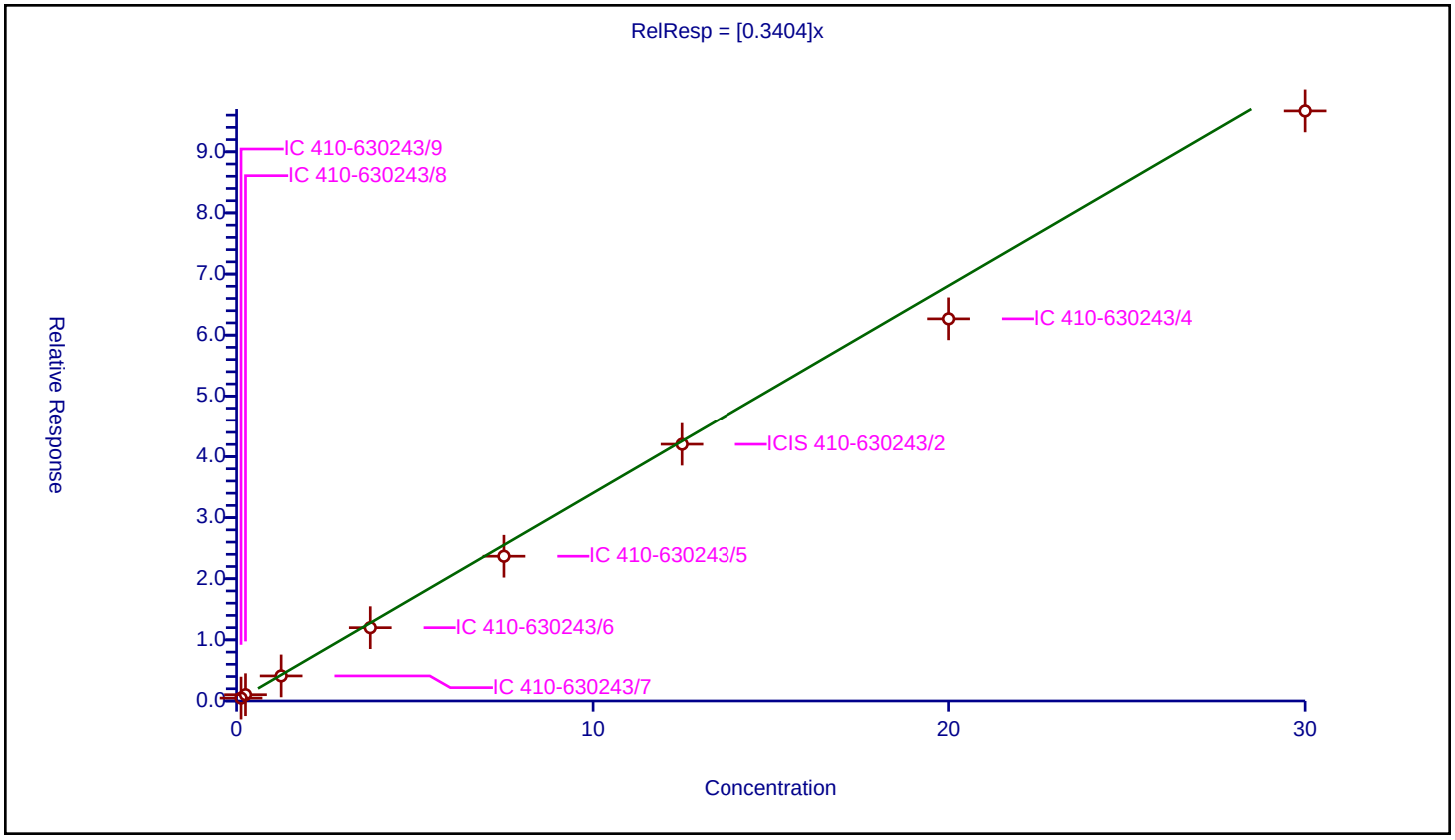
Curve Coefficients

Intercept:	0
Slope:	0.3404

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.04723	5.0	496721.0	0.377838	Y
2	IC 410-630243/8	0.25	0.102595	5.0	423899.0	0.410381	Y
3	IC 410-630243/7	1.25	0.409716	5.0	415727.0	0.327773	Y
4	IC 410-630243/6	3.75	1.199376	5.0	405857.0	0.319834	Y
5	IC 410-630243/5	7.5	2.368282	5.0	411619.0	0.315771	Y
6	ICIS 410-630243/2	12.5	4.203644	5.0	398829.0	0.336291	Y
7	IC 410-630243/4	20.0	6.266835	5.0	411928.0	0.313342	Y
8	IC 410-630243/3	30.0	9.668911	5.0	398684.0	0.322297	Y



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Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

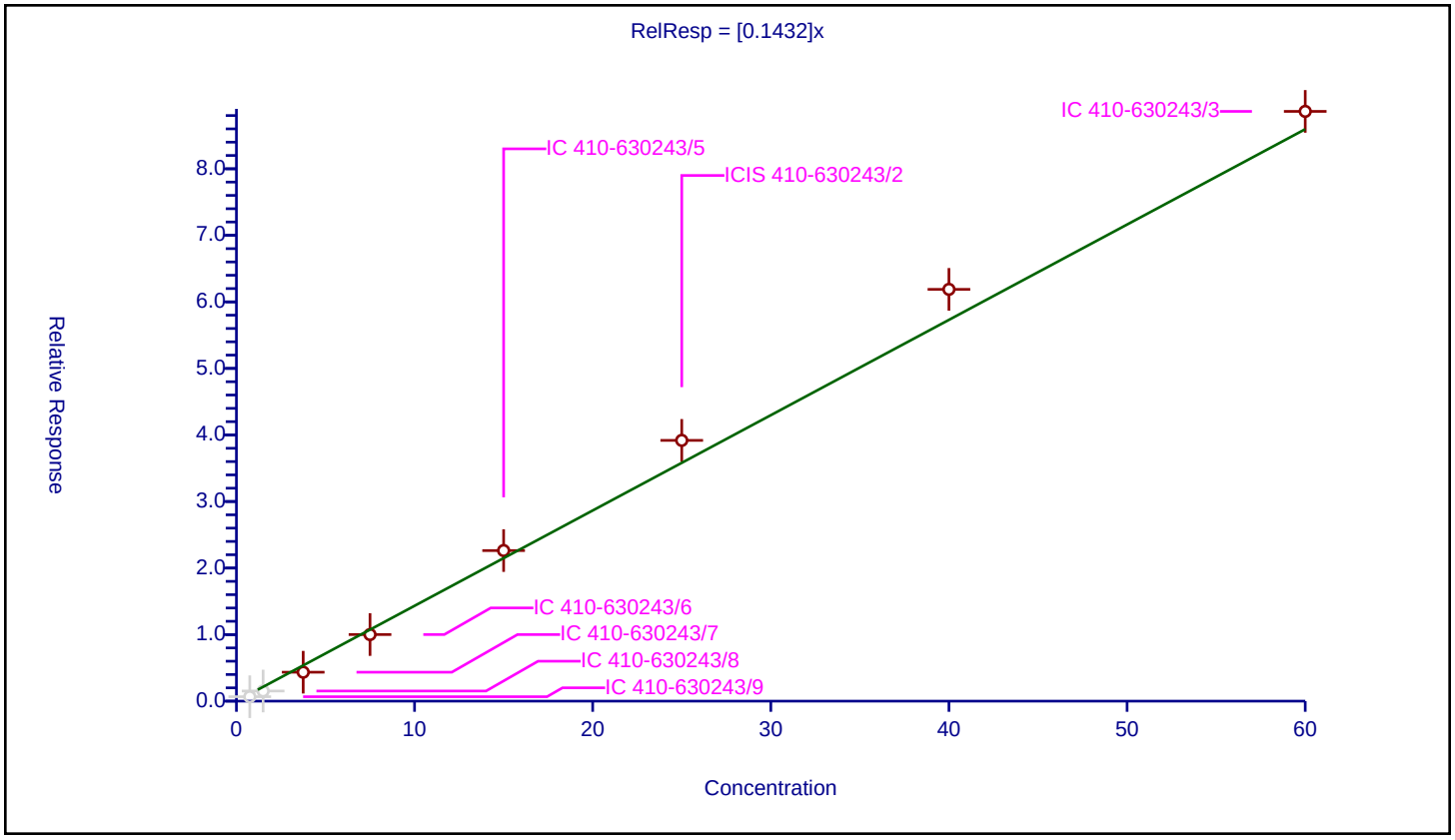
Curve Coefficients

Intercept:	0
Slope:	0.1432

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.75	0.066576	5.0	994797.0	0.088769	N
2	IC 410-630243/8	1.5	0.15213	5.0	820547.0	0.10142	N
3	IC 410-630243/7	3.75	0.434988	5.0	821585.0	0.115997	Y
4	IC 410-630243/6	7.5	1.000916	5.0	797639.0	0.133456	Y
5	IC 410-630243/5	15.0	2.262818	5.0	741288.0	0.150855	Y
6	ICIS 410-630243/2	25.0	3.918461	5.0	732664.0	0.156738	Y
7	IC 410-630243/4	40.0	6.187821	5.0	750917.0	0.154696	Y
8	IC 410-630243/3	60.0	8.862396	5.0	780302.0	0.147707	Y



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Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

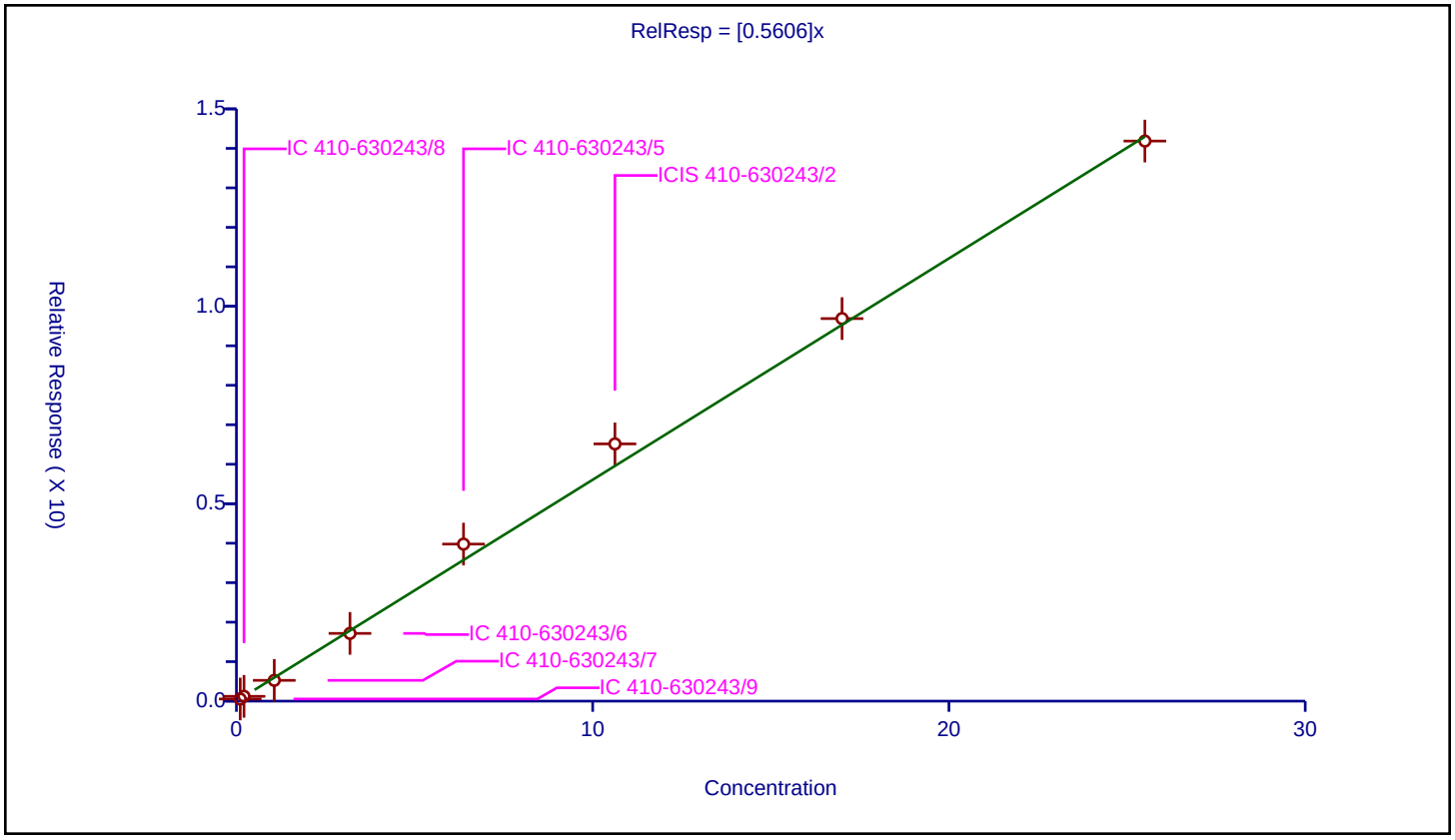
Curve Coefficients

Intercept:	0
Slope:	0.5606

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.10625	0.054519	5.0	994797.0	0.513117	Y
2	IC 410-630243/8	0.2125	0.122083	5.0	820547.0	0.574509	Y
3	IC 410-630243/7	1.0625	0.526701	5.0	821585.0	0.495719	Y
4	IC 410-630243/6	3.1875	1.715983	5.0	797639.0	0.538348	Y
5	IC 410-630243/5	6.375	3.977455	5.0	741288.0	0.623915	Y
6	ICIS 410-630243/2	10.625	6.515367	5.0	732664.0	0.613211	Y
7	IC 410-630243/4	17.0	9.688954	5.0	750917.0	0.569938	Y
8	IC 410-630243/3	25.5	14.186123	5.0	780302.0	0.556319	Y



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Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

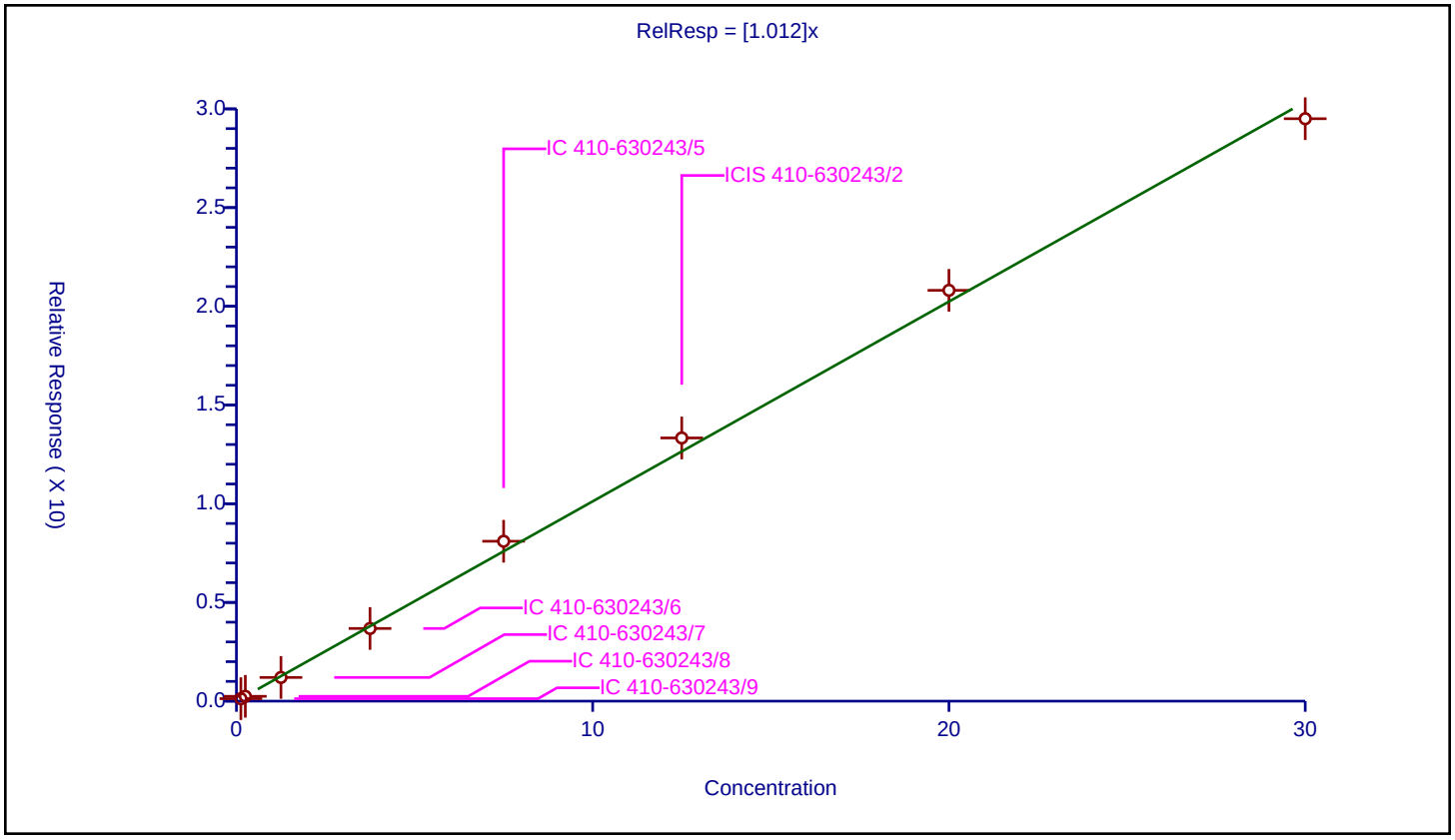
Curve Coefficients

Intercept:	0
Slope:	1.012

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.125598	5.0	994797.0	1.004788	Y
2	IC 410-630243/8	0.25	0.244697	5.0	820547.0	0.978786	Y
3	IC 410-630243/7	1.25	1.199888	5.0	821585.0	0.95991	Y
4	IC 410-630243/6	3.75	3.680663	5.0	797639.0	0.98151	Y
5	IC 410-630243/5	7.5	8.099848	5.0	741288.0	1.07998	Y
6	ICIS 410-630243/2	12.5	13.331923	5.0	732664.0	1.066554	Y
7	IC 410-630243/4	20.0	20.809537	5.0	750917.0	1.040477	Y
8	IC 410-630243/3	30.0	29.501872	5.0	780302.0	0.983396	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

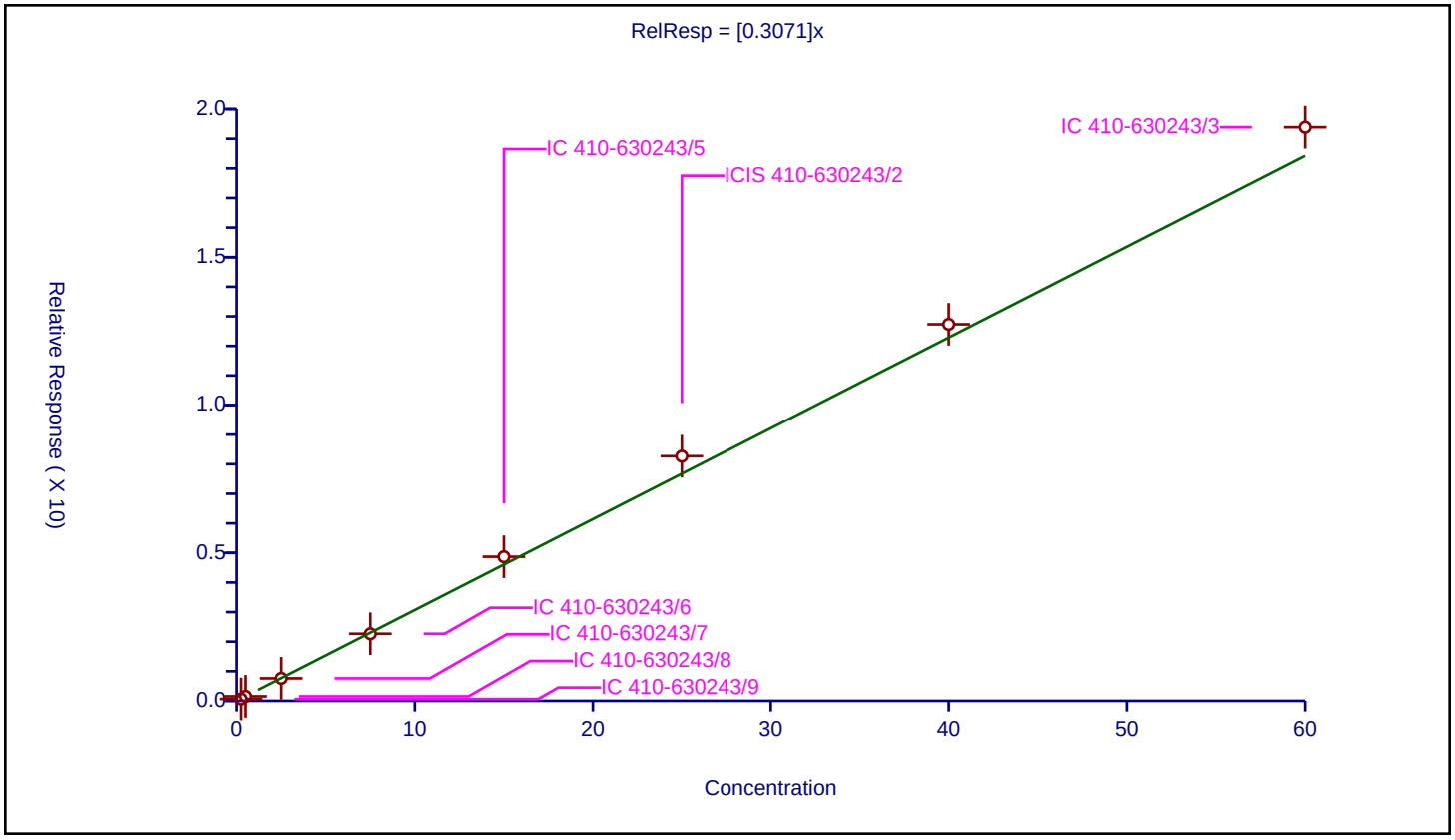
Curve Coefficients

Intercept:	0
Slope:	0.3071

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.062681	5.0	496721.0	0.250724	Y
2	IC 410-630243/8	0.5	0.151321	5.0	423899.0	0.302643	Y
3	IC 410-630243/7	2.5	0.760078	5.0	415727.0	0.304031	Y
4	IC 410-630243/6	7.5	2.267449	5.0	405857.0	0.302327	Y
5	IC 410-630243/5	15.0	4.870985	5.0	411619.0	0.324732	Y
6	ICIS 410-630243/2	25.0	8.269484	5.0	398829.0	0.330779	Y
7	IC 410-630243/4	40.0	12.730611	5.0	411928.0	0.318265	Y
8	IC 410-630243/3	60.0	19.388513	5.0	398684.0	0.323142	Y



Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

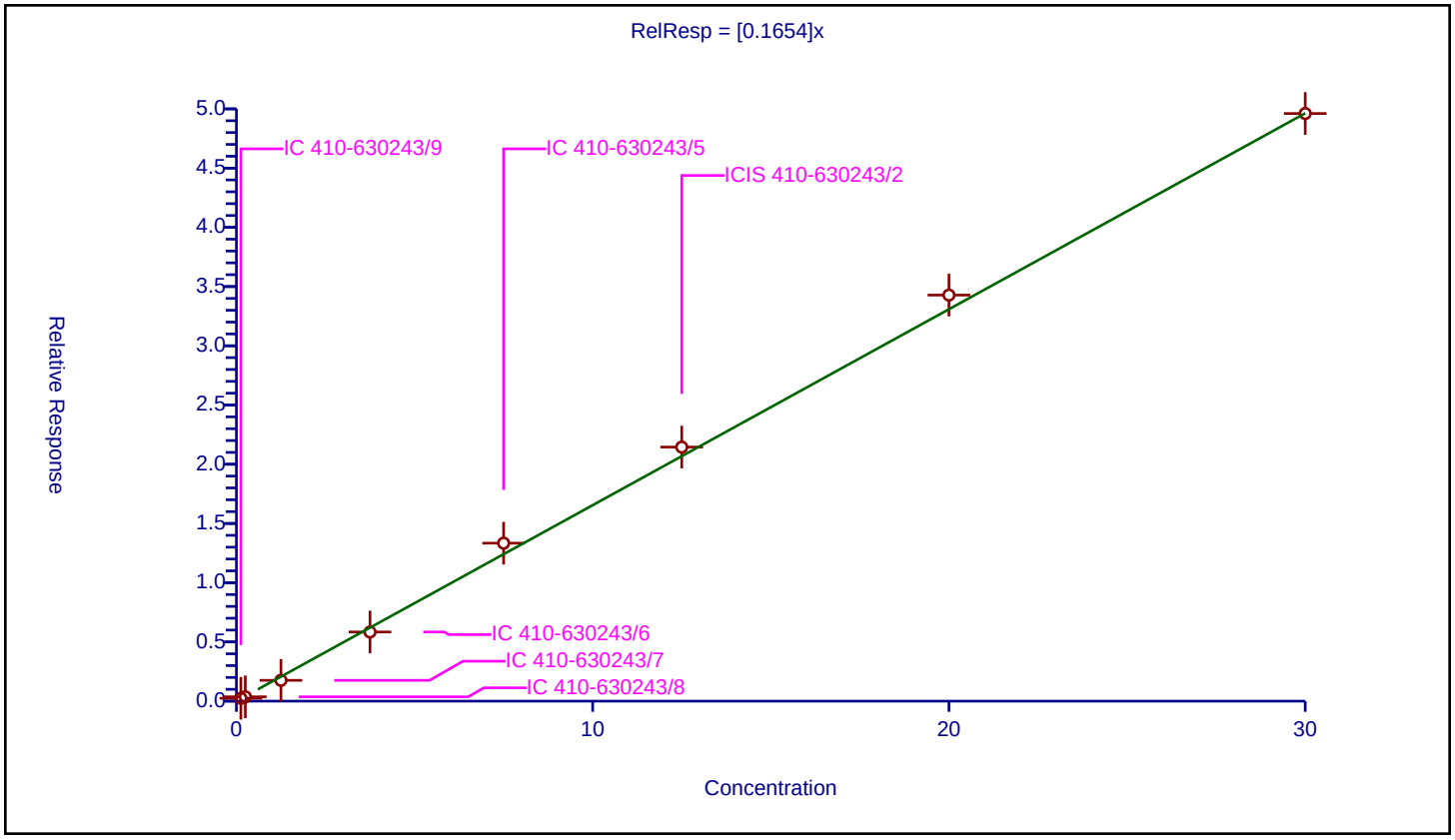
Curve Coefficients

Intercept:	0
Slope:	0.1654

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.024276	5.0	994797.0	0.19421	Y
2	IC 410-630243/8	0.25	0.036719	5.0	820547.0	0.146878	Y
3	IC 410-630243/7	1.25	0.17566	5.0	821585.0	0.140528	Y
4	IC 410-630243/6	3.75	0.583779	5.0	797639.0	0.155674	Y
5	IC 410-630243/5	7.5	1.333672	5.0	741288.0	0.177823	Y
6	ICIS 410-630243/2	12.5	2.144708	5.0	732664.0	0.171577	Y
7	IC 410-630243/4	20.0	3.428055	5.0	750917.0	0.171403	Y
8	IC 410-630243/3	30.0	4.960977	5.0	780302.0	0.165366	Y



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Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

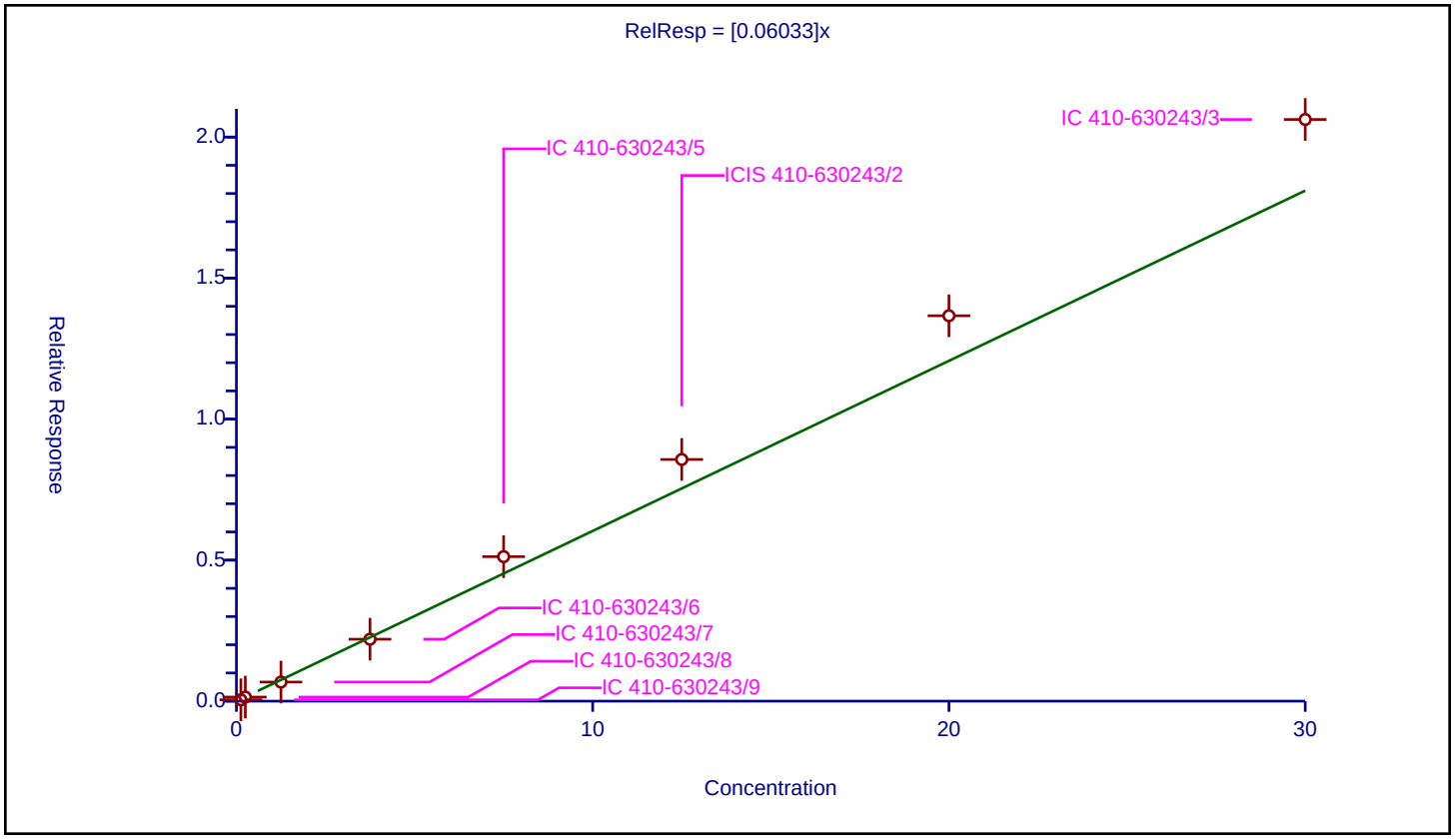
Curve Coefficients

Intercept:	0
Slope:	0.06033

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.004815	5.0	994797.0	0.03852	Y
2	IC 410-630243/8	0.25	0.014375	5.0	820547.0	0.057498	Y
3	IC 410-630243/7	1.25	0.067692	5.0	821585.0	0.054154	Y
4	IC 410-630243/6	3.75	0.219655	5.0	797639.0	0.058575	Y
5	IC 410-630243/5	7.5	0.512291	5.0	741288.0	0.068305	Y
6	ICIS 410-630243/2	12.5	0.856928	5.0	732664.0	0.068554	Y
7	IC 410-630243/4	20.0	1.366463	5.0	750917.0	0.068323	Y
8	IC 410-630243/3	30.0	2.062368	5.0	780302.0	0.068746	Y



Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

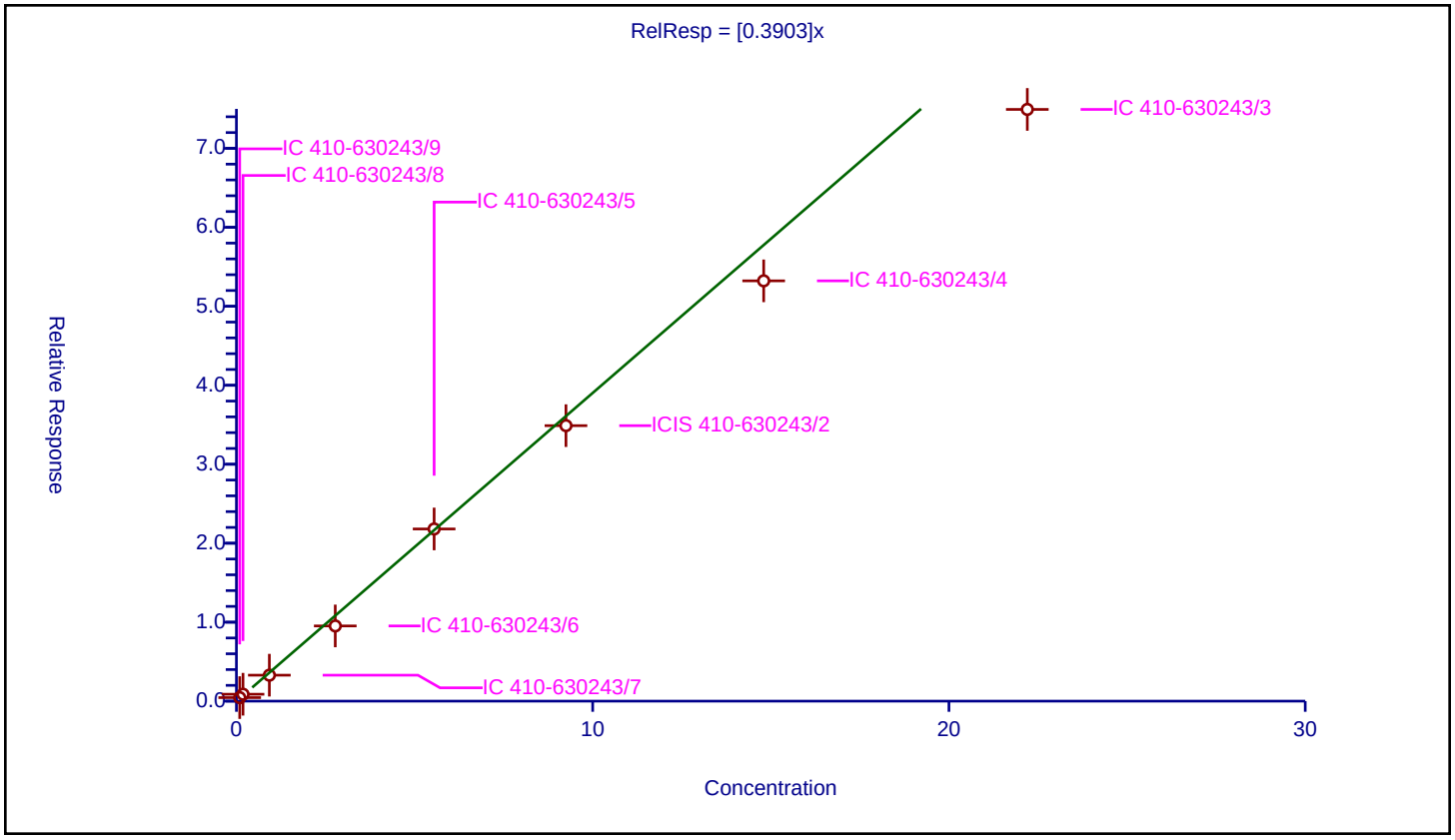
Curve Coefficients

Intercept:	0
Slope:	0.3903

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.0925	0.044667	5.0	994797.0	0.482891	Y
2	IC 410-630243/8	0.185	0.087594	5.0	820547.0	0.473481	Y
3	IC 410-630243/7	0.925	0.328651	5.0	821585.0	0.355299	Y
4	IC 410-630243/6	2.775	0.952329	5.0	797639.0	0.343182	Y
5	IC 410-630243/5	5.55	2.180455	5.0	741288.0	0.392875	Y
6	ICIS 410-630243/2	9.25	3.488803	5.0	732664.0	0.377168	Y
7	IC 410-630243/4	14.8	5.322459	5.0	750917.0	0.359626	Y
8	IC 410-630243/3	22.2	7.493214	5.0	780302.0	0.337532	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

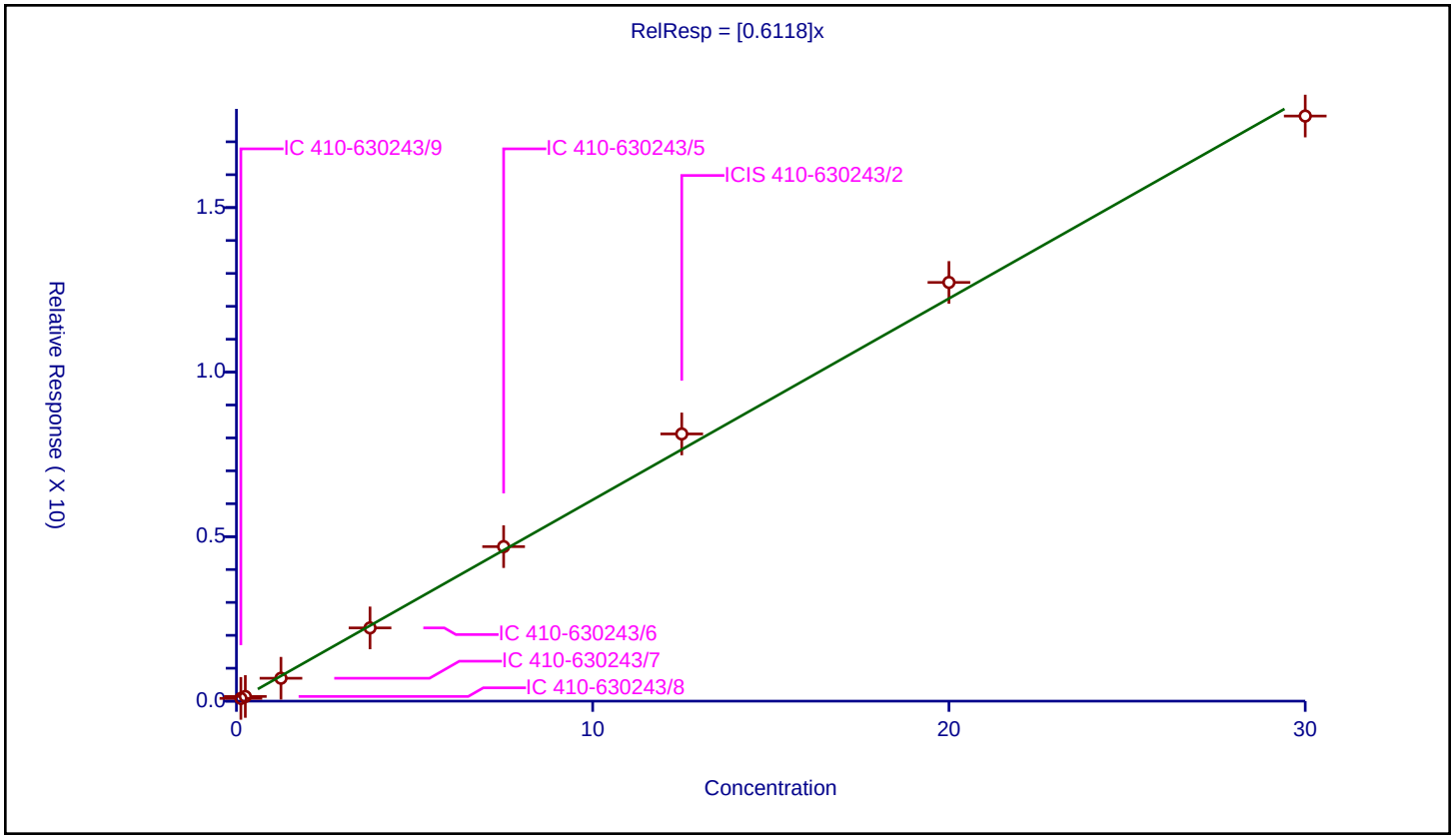
Curve Coefficients

Intercept:	0
Slope:	0.6118

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.084037	5.0	994797.0	0.672298	Y
2	IC 410-630243/8	0.25	0.141796	5.0	820547.0	0.567183	Y
3	IC 410-630243/7	1.25	0.695954	5.0	821585.0	0.556763	Y
4	IC 410-630243/6	3.75	2.225982	5.0	797639.0	0.593595	Y
5	IC 410-630243/5	7.5	4.69607	5.0	741288.0	0.626143	Y
6	ICIS 410-630243/2	12.5	8.121431	5.0	732664.0	0.649714	Y
7	IC 410-630243/4	20.0	12.725514	5.0	750917.0	0.636276	Y
8	IC 410-630243/3	30.0	17.783192	5.0	780302.0	0.592773	Y



Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

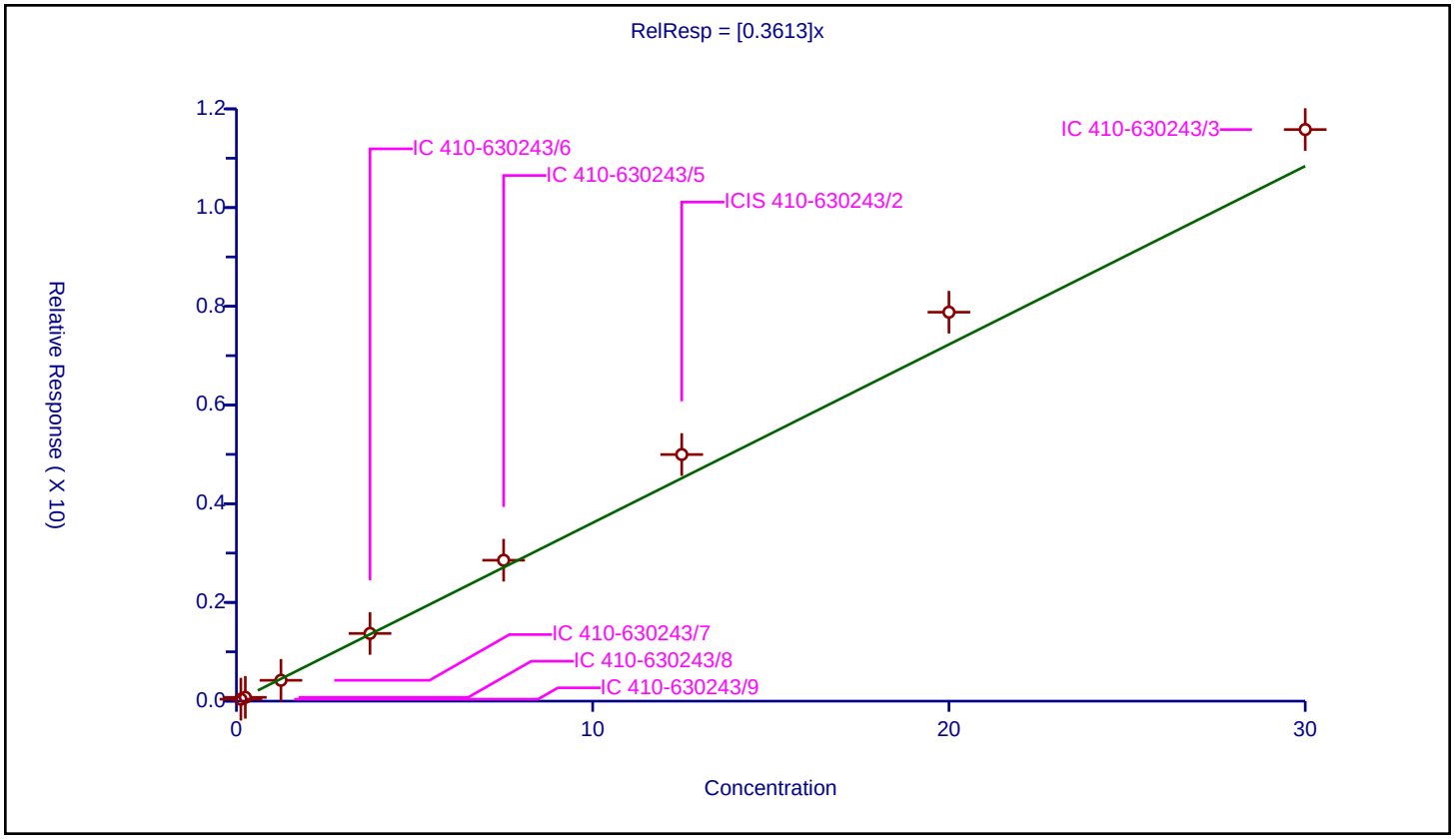
Curve Coefficients

Intercept:	0
Slope:	0.3613

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.039777	5.0	994797.0	0.318216	Y
2	IC 410-630243/8	0.25	0.077125	5.0	820547.0	0.308502	Y
3	IC 410-630243/7	1.25	0.422251	5.0	821585.0	0.337801	Y
4	IC 410-630243/6	3.75	1.371548	5.0	797639.0	0.365746	Y
5	IC 410-630243/5	7.5	2.854876	5.0	741288.0	0.38065	Y
6	ICIS 410-630243/2	12.5	4.996799	5.0	732664.0	0.399744	Y
7	IC 410-630243/4	20.0	7.880645	5.0	750917.0	0.394032	Y
8	IC 410-630243/3	30.0	11.581471	5.0	780302.0	0.386049	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

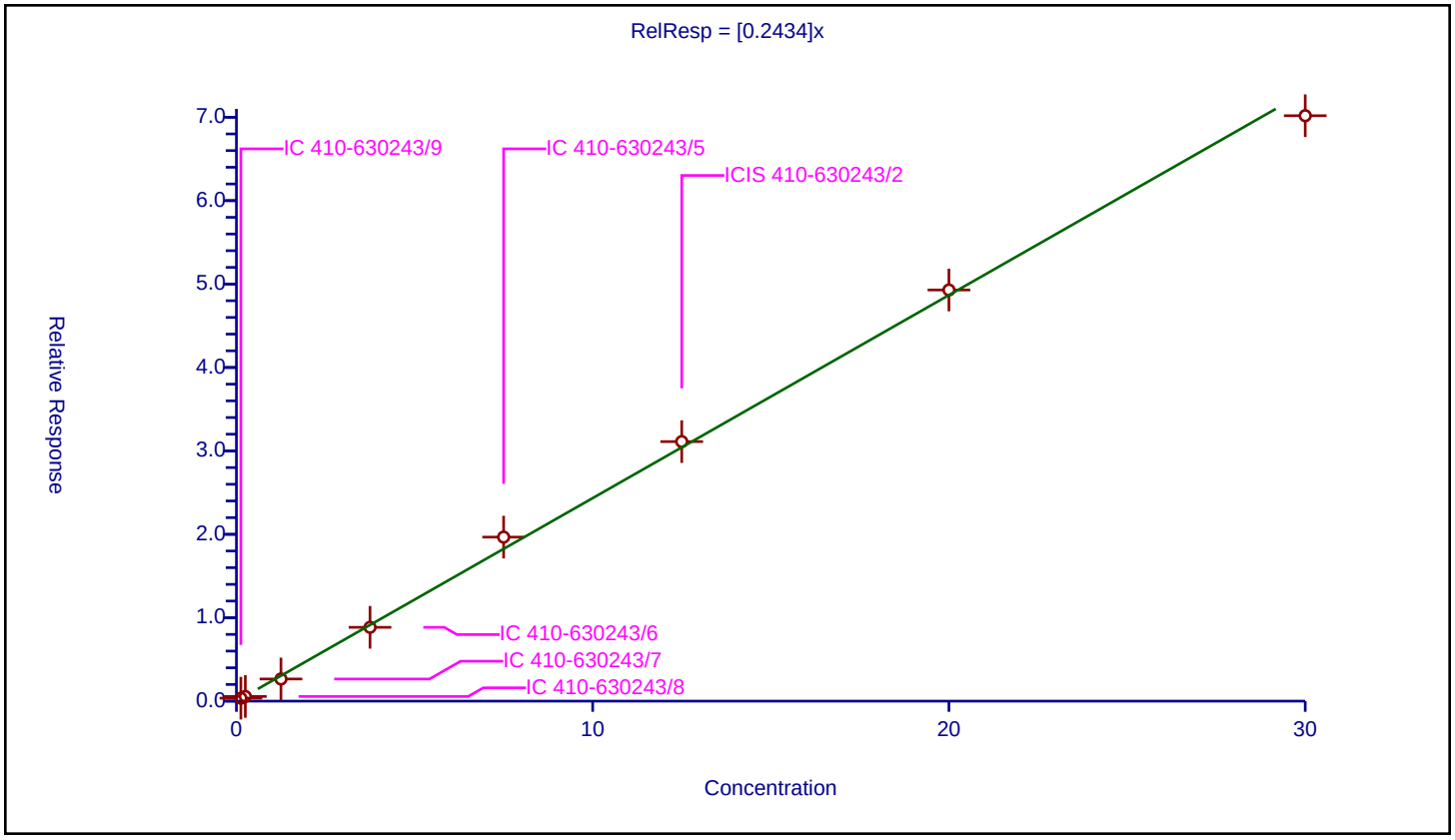
Curve Coefficients

Intercept:	0
Slope:	0.2434

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.035444	5.0	994797.0	0.283555	Y
2	IC 410-630243/8	0.25	0.055902	5.0	820547.0	0.223607	Y
3	IC 410-630243/7	1.25	0.265432	5.0	821585.0	0.212346	Y
4	IC 410-630243/6	3.75	0.88493	5.0	797639.0	0.235981	Y
5	IC 410-630243/5	7.5	1.966395	5.0	741288.0	0.262186	Y
6	ICIS 410-630243/2	12.5	3.111385	5.0	732664.0	0.248911	Y
7	IC 410-630243/4	20.0	4.929153	5.0	750917.0	0.246458	Y
8	IC 410-630243/3	30.0	7.018379	5.0	780302.0	0.233946	Y



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Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

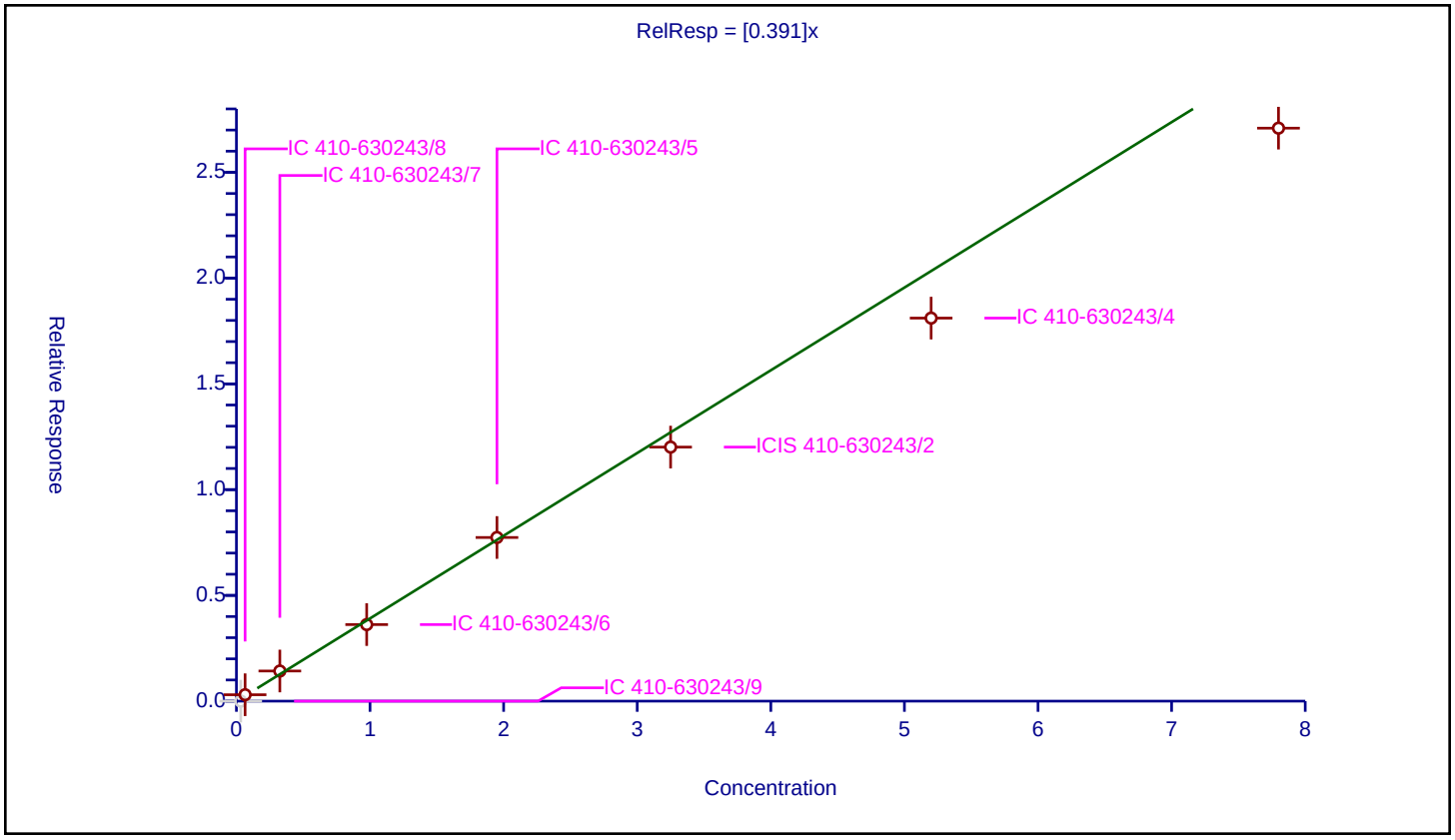
Curve Coefficients

Intercept:	0
Slope:	0.391

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.0325	0.0	5.0	994797.0	0.0	N
2	IC 410-630243/8	0.065	0.030285	5.0	820547.0	0.465918	Y
3	IC 410-630243/7	0.325	0.142414	5.0	821585.0	0.438196	Y
4	IC 410-630243/6	0.975	0.361937	5.0	797639.0	0.371217	Y
5	IC 410-630243/5	1.95	0.773647	5.0	741288.0	0.396742	Y
6	ICIS 410-630243/2	3.25	1.20113	5.0	732664.0	0.369579	Y
7	IC 410-630243/4	5.2	1.810959	5.0	750917.0	0.348261	Y
8	IC 410-630243/3	7.8	2.70899	5.0	780302.0	0.347306	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

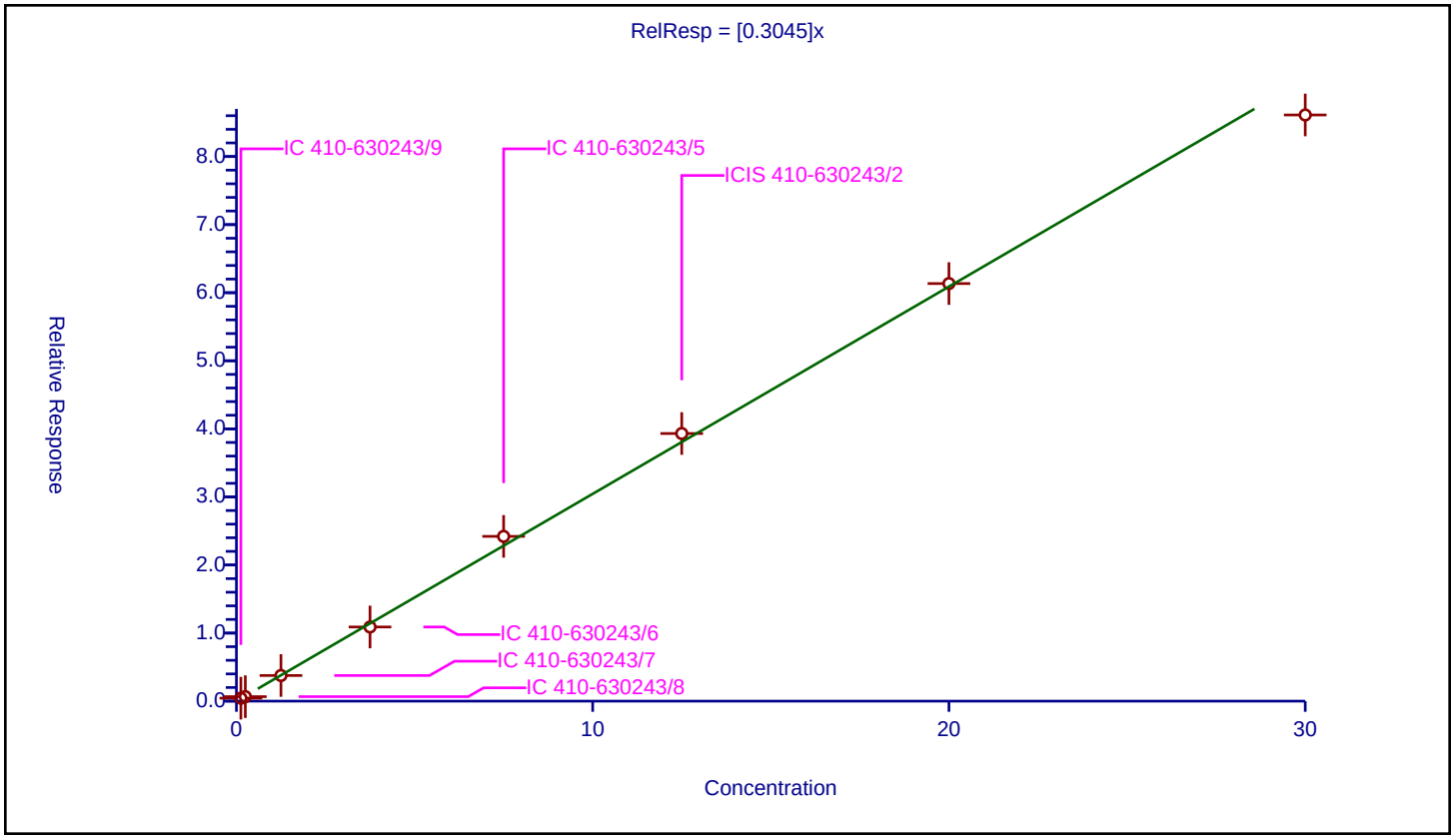
Curve Coefficients

Intercept:	0
Slope:	0.3045

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.043557	5.0	994797.0	0.348453	Y
2	IC 410-630243/8	0.25	0.066084	5.0	820547.0	0.264336	Y
3	IC 410-630243/7	1.25	0.376741	5.0	821585.0	0.301393	Y
4	IC 410-630243/6	3.75	1.089522	5.0	797639.0	0.290539	Y
5	IC 410-630243/5	7.5	2.420362	5.0	741288.0	0.322715	Y
6	ICIS 410-630243/2	12.5	3.931639	5.0	732664.0	0.314531	Y
7	IC 410-630243/4	20.0	6.134346	5.0	750917.0	0.306717	Y
8	IC 410-630243/3	30.0	8.610749	5.0	780302.0	0.287025	Y



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Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

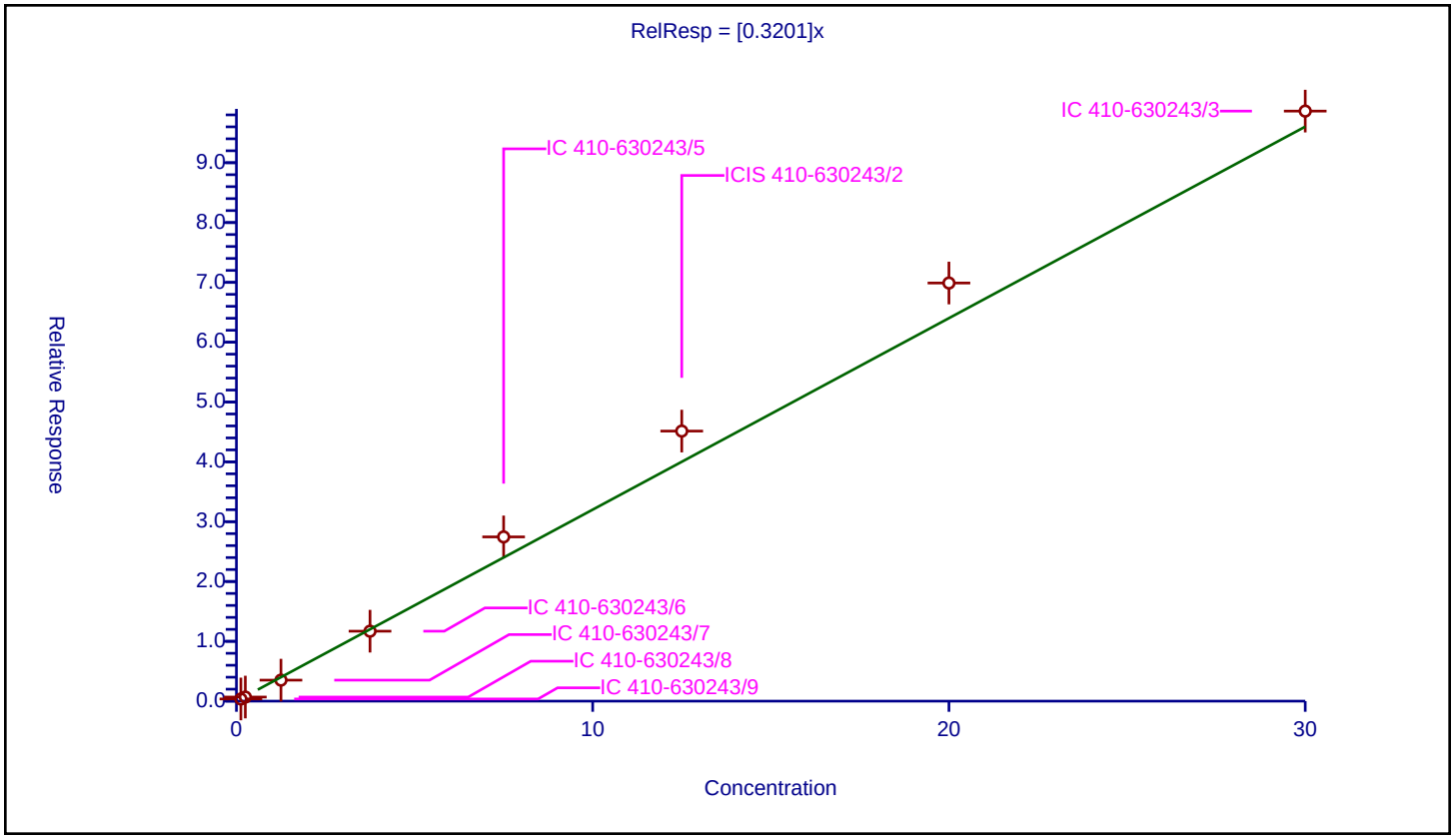
Curve Coefficients

Intercept:	0
Slope:	0.3201

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.036078	5.0	994797.0	0.288622	Y
2	IC 410-630243/8	0.25	0.068497	5.0	820547.0	0.273988	Y
3	IC 410-630243/7	1.25	0.351151	5.0	821585.0	0.28092	Y
4	IC 410-630243/6	3.75	1.169169	5.0	797639.0	0.311778	Y
5	IC 410-630243/5	7.5	2.745249	5.0	741288.0	0.366033	Y
6	ICIS 410-630243/2	12.5	4.51417	5.0	732664.0	0.361134	Y
7	IC 410-630243/4	20.0	6.989141	5.0	750917.0	0.349457	Y
8	IC 410-630243/3	30.0	9.863072	5.0	780302.0	0.328769	Y



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Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

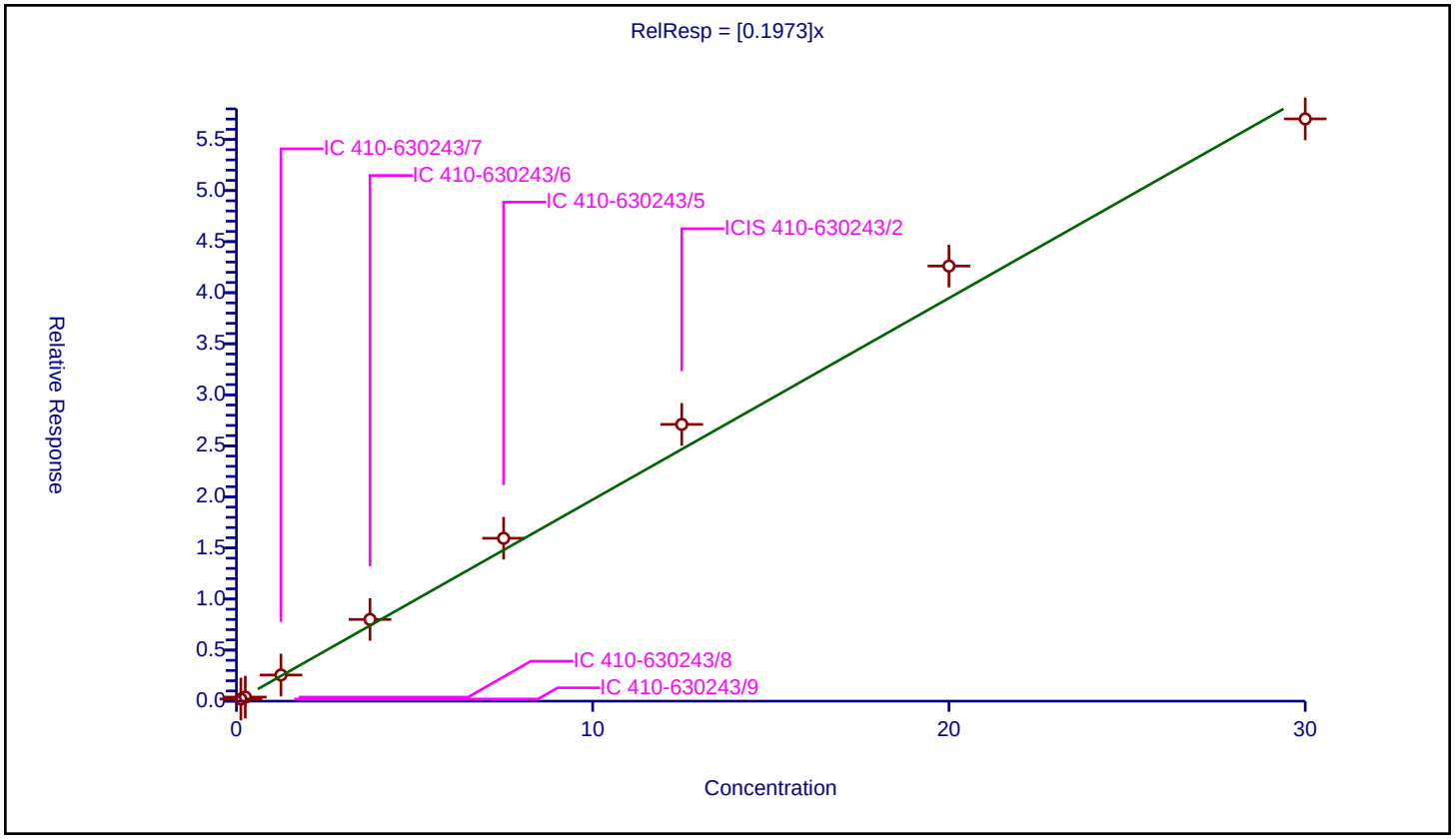
Curve Coefficients

Intercept:	0
Slope:	0.1973

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.021085	5.0	994797.0	0.168678	Y
2	IC 410-630243/8	0.25	0.039815	5.0	820547.0	0.15926	Y
3	IC 410-630243/7	1.25	0.256103	5.0	821585.0	0.204882	Y
4	IC 410-630243/6	3.75	0.799986	5.0	797639.0	0.21333	Y
5	IC 410-630243/5	7.5	1.595068	5.0	741288.0	0.212676	Y
6	ICIS 410-630243/2	12.5	2.710308	5.0	732664.0	0.216825	Y
7	IC 410-630243/4	20.0	4.260777	5.0	750917.0	0.213039	Y
8	IC 410-630243/3	30.0	5.701933	5.0	780302.0	0.190064	Y



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Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

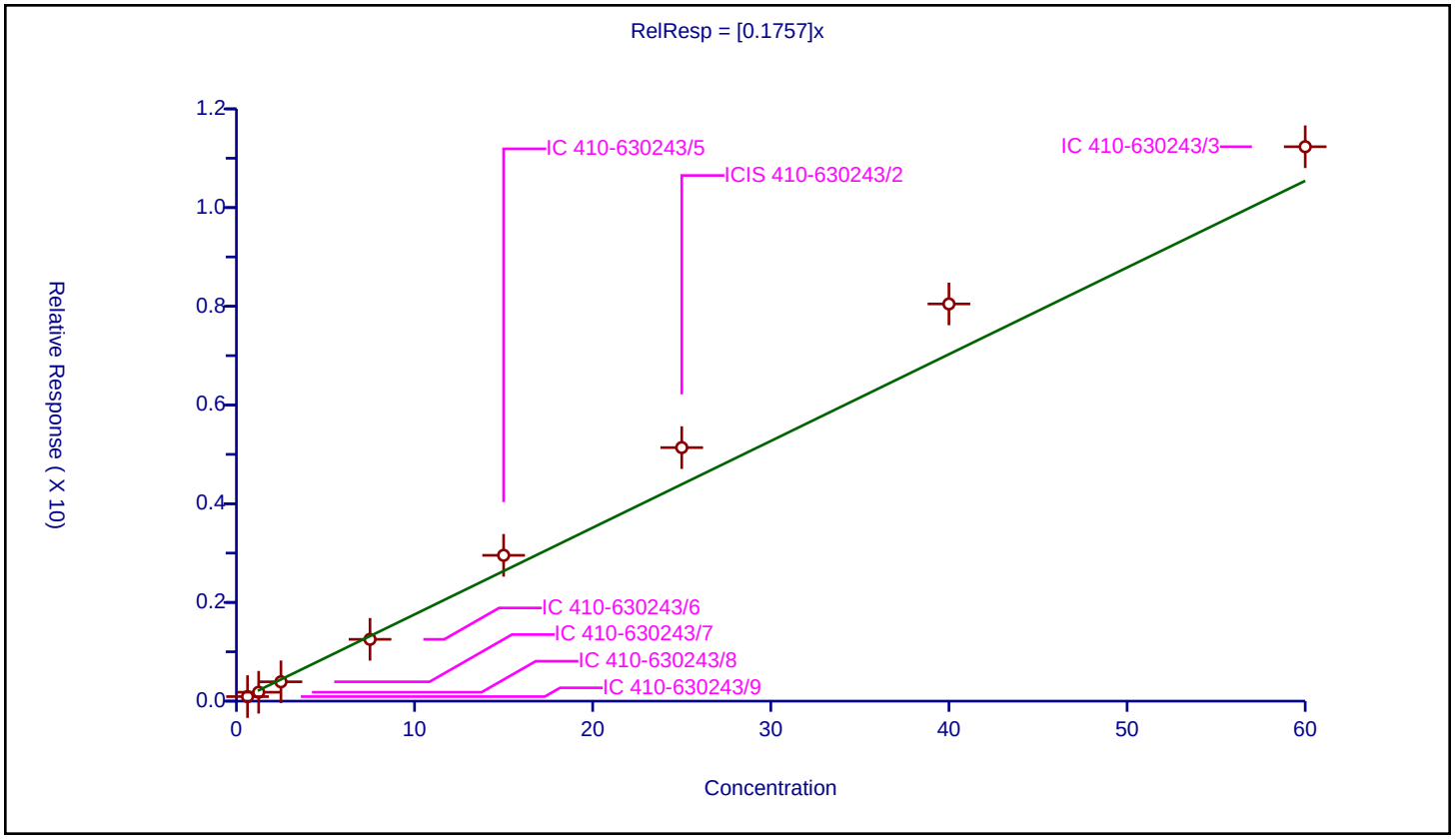
Curve Coefficients

Intercept:	0
Slope:	0.1757

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.625	0.091767	5.0	994797.0	0.146828	Y
2	IC 410-630243/8	1.25	0.180276	5.0	820547.0	0.144221	Y
3	IC 410-630243/7	2.5	0.391956	5.0	821585.0	0.156782	Y
4	IC 410-630243/6	7.5	1.25239	5.0	797639.0	0.166985	Y
5	IC 410-630243/5	15.0	2.954412	5.0	741288.0	0.196961	Y
6	ICIS 410-630243/2	25.0	5.1373	5.0	732664.0	0.205492	Y
7	IC 410-630243/4	40.0	8.048013	5.0	750917.0	0.2012	Y
8	IC 410-630243/3	60.0	11.233029	5.0	780302.0	0.187217	Y



Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

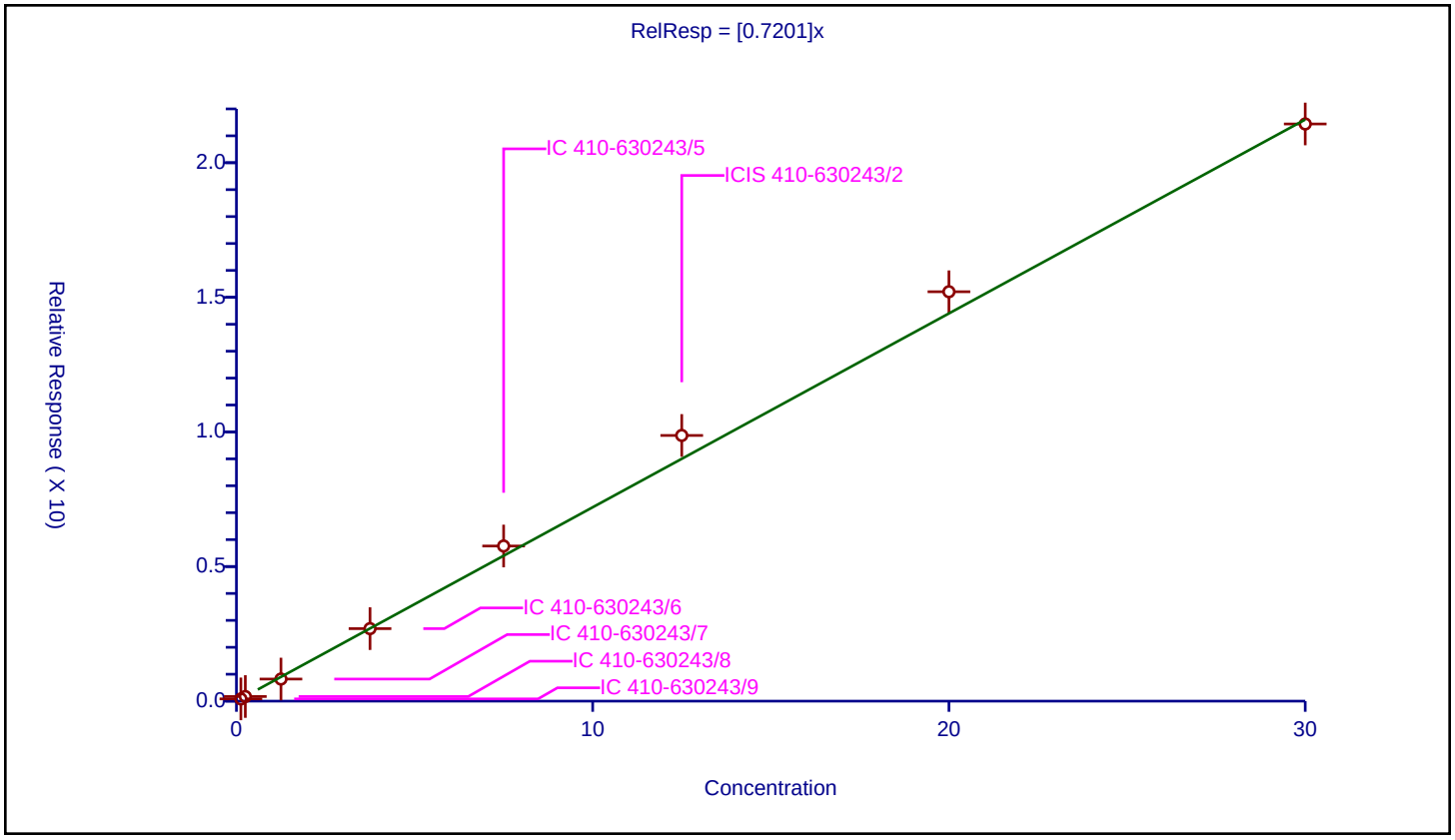
Curve Coefficients

Intercept:	0
Slope:	0.7201

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.083434	5.0	994797.0	0.667473	Y
2	IC 410-630243/8	0.25	0.171434	5.0	820547.0	0.685738	Y
3	IC 410-630243/7	1.25	0.820475	5.0	821585.0	0.65638	Y
4	IC 410-630243/6	3.75	2.693781	5.0	797639.0	0.718342	Y
5	IC 410-630243/5	7.5	5.762814	5.0	741288.0	0.768375	Y
6	ICIS 410-630243/2	12.5	9.869081	5.0	732664.0	0.789526	Y
7	IC 410-630243/4	20.0	15.207699	5.0	750917.0	0.760385	Y
8	IC 410-630243/3	30.0	21.439661	5.0	780302.0	0.714655	Y



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Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

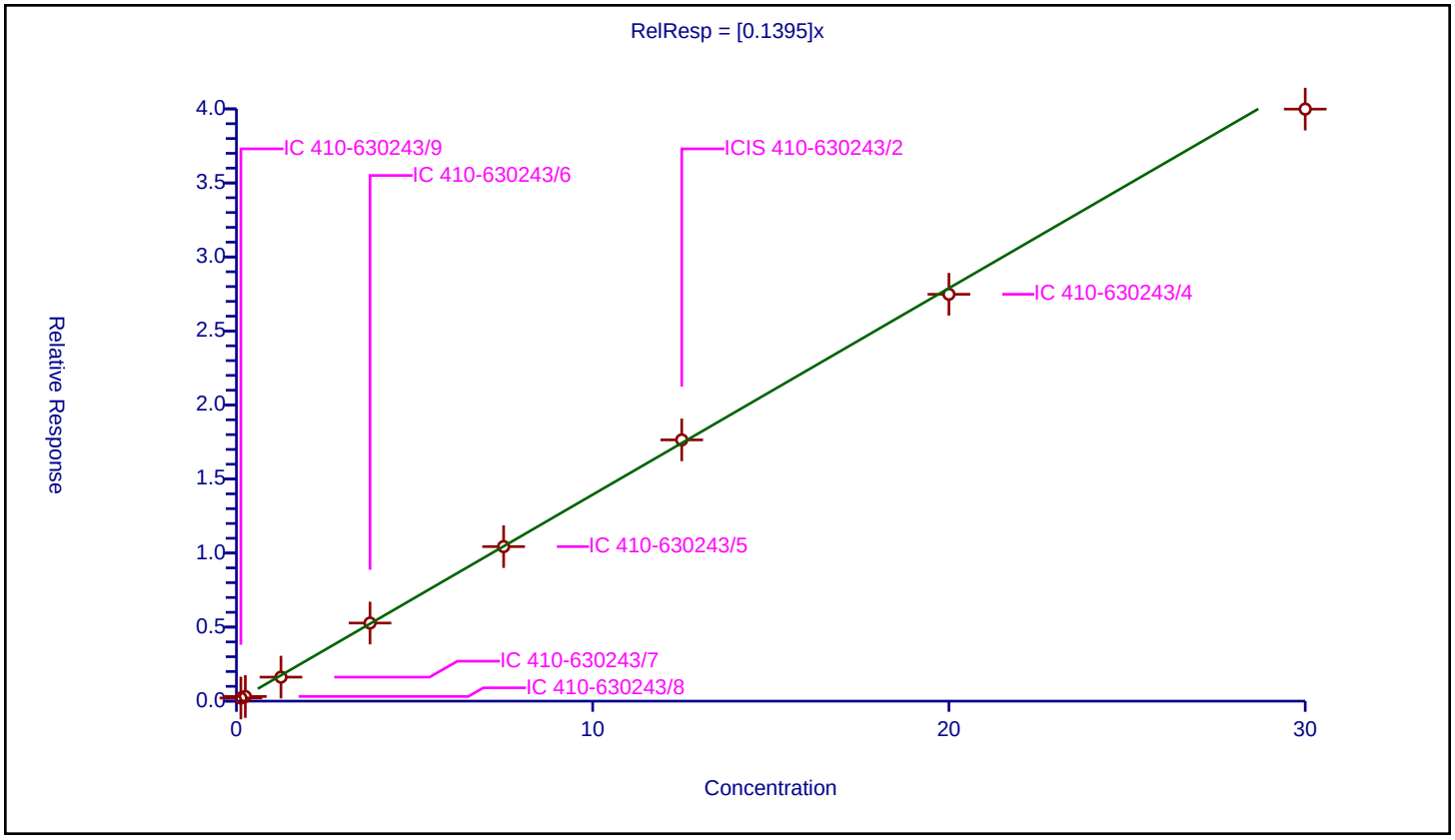
Curve Coefficients

Intercept:	0
Slope:	0.1395

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.02107	5.0	994797.0	0.168557	Y
2	IC 410-630243/8	0.25	0.031424	5.0	820547.0	0.125697	Y
3	IC 410-630243/7	1.25	0.162083	5.0	821585.0	0.129666	Y
4	IC 410-630243/6	3.75	0.527482	5.0	797639.0	0.140662	Y
5	IC 410-630243/5	7.5	1.043859	5.0	741288.0	0.139181	Y
6	ICIS 410-630243/2	12.5	1.764485	5.0	732664.0	0.141159	Y
7	IC 410-630243/4	20.0	2.747927	5.0	750917.0	0.137396	Y
8	IC 410-630243/3	30.0	3.998638	5.0	780302.0	0.133288	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

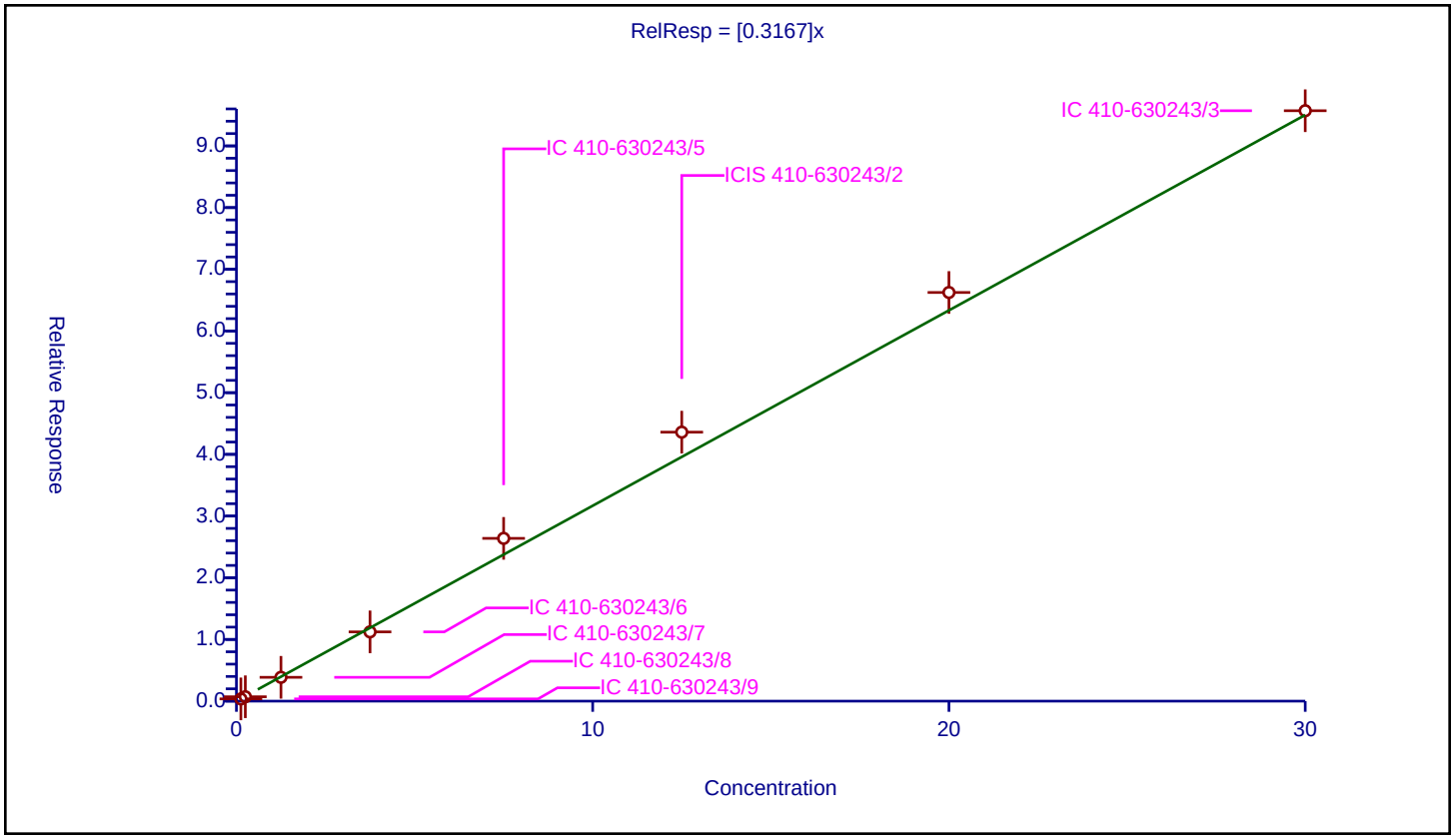
Curve Coefficients

Intercept:	0
Slope:	0.3167

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.036334	5.0	994797.0	0.290672	Y
2	IC 410-630243/8	0.25	0.071001	5.0	820547.0	0.284006	Y
3	IC 410-630243/7	1.25	0.38604	5.0	821585.0	0.308832	Y
4	IC 410-630243/6	3.75	1.122814	5.0	797639.0	0.299417	Y
5	IC 410-630243/5	7.5	2.638347	5.0	741288.0	0.35178	Y
6	ICIS 410-630243/2	12.5	4.360177	5.0	732664.0	0.348814	Y
7	IC 410-630243/4	20.0	6.624287	5.0	750917.0	0.331214	Y
8	IC 410-630243/3	30.0	9.570352	5.0	780302.0	0.319012	Y



Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

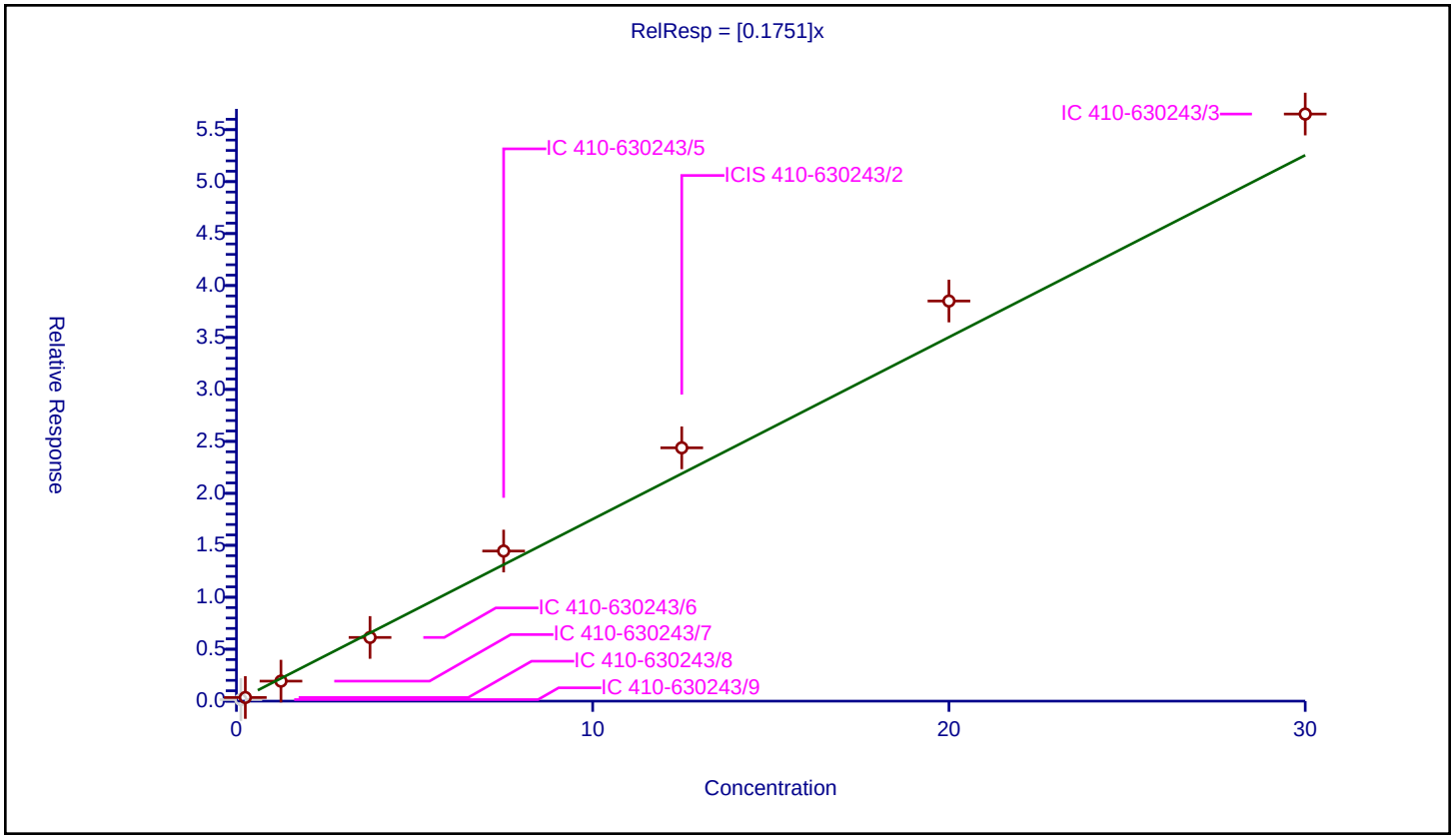
Curve Coefficients

Intercept:	0
Slope:	0.1751

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.014913	5.0	994797.0	0.119301	N
2	IC 410-630243/8	0.25	0.034977	5.0	820547.0	0.139907	Y
3	IC 410-630243/7	1.25	0.192555	5.0	821585.0	0.154044	Y
4	IC 410-630243/6	3.75	0.613097	5.0	797639.0	0.163493	Y
5	IC 410-630243/5	7.5	1.444648	5.0	741288.0	0.19262	Y
6	ICIS 410-630243/2	12.5	2.438096	5.0	732664.0	0.195048	Y
7	IC 410-630243/4	20.0	3.850805	5.0	750917.0	0.19254	Y
8	IC 410-630243/3	30.0	5.650613	5.0	780302.0	0.188354	Y



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Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

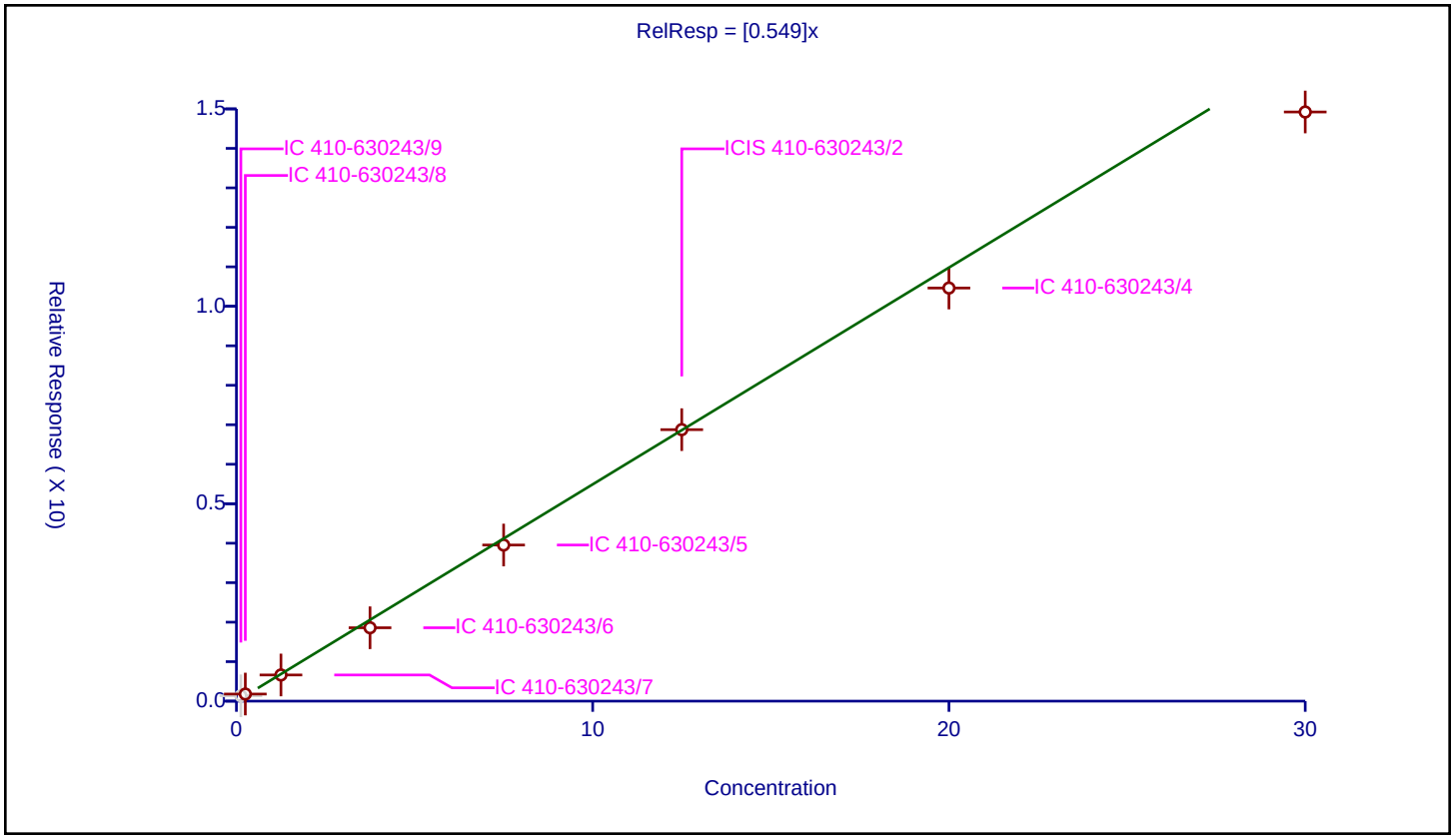
Curve Coefficients

Intercept:	0
Slope:	0.549

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.135666	5.0	994797.0	1.085327	N
2	IC 410-630243/8	0.25	0.17985	5.0	820547.0	0.719398	Y
3	IC 410-630243/7	1.25	0.663078	5.0	821585.0	0.530462	Y
4	IC 410-630243/6	3.75	1.858447	5.0	797639.0	0.495586	Y
5	IC 410-630243/5	7.5	3.953774	5.0	741288.0	0.52717	Y
6	ICIS 410-630243/2	12.5	6.876317	5.0	732664.0	0.550105	Y
7	IC 410-630243/4	20.0	10.462761	5.0	750917.0	0.523138	Y
8	IC 410-630243/3	30.0	14.921652	5.0	780302.0	0.497388	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

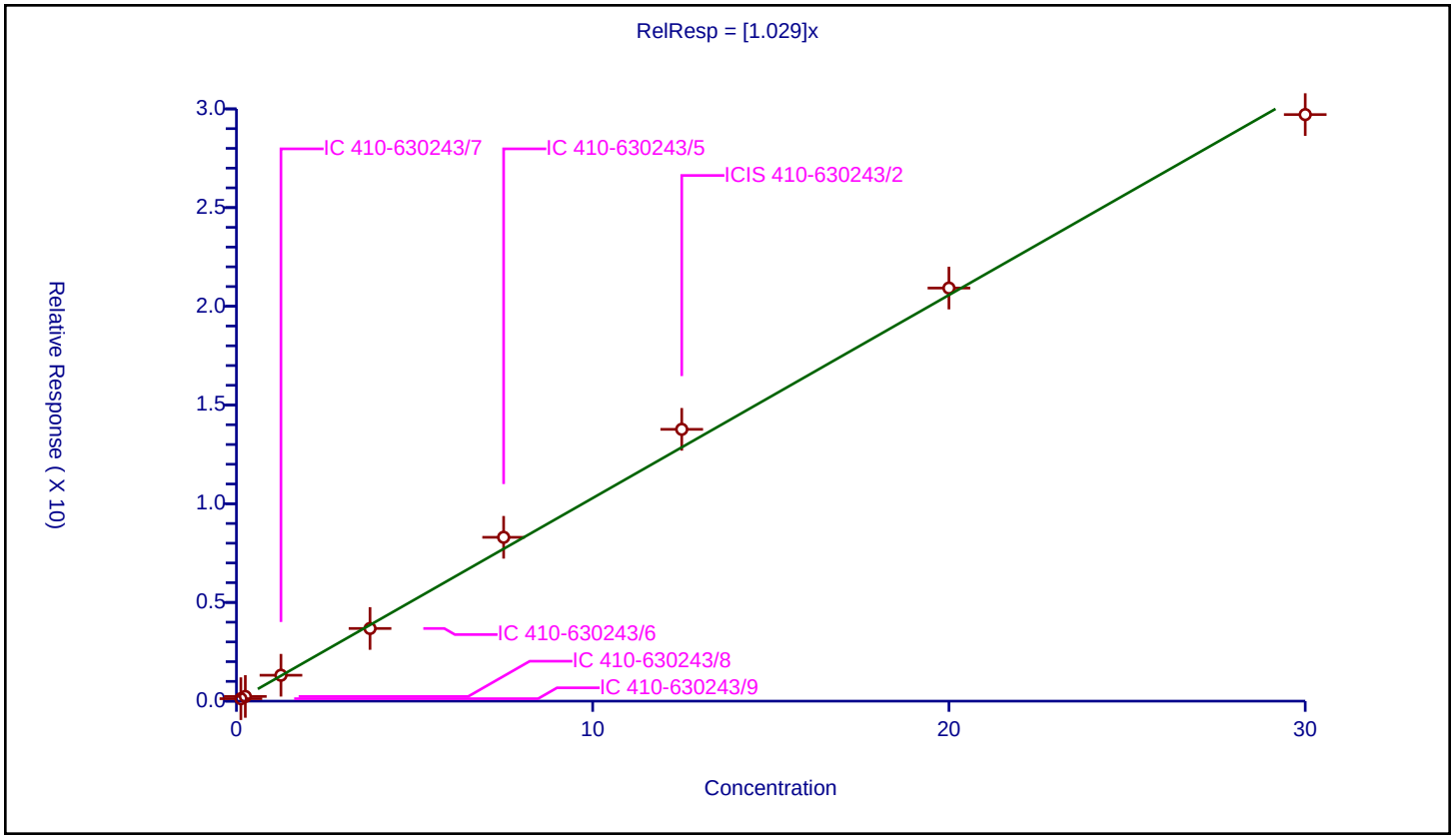
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.125257	5.0	994797.0	1.002054	Y
2	IC 410-630243/8	0.25	0.237524	5.0	820547.0	0.950098	Y
3	IC 410-630243/7	1.25	1.312658	5.0	821585.0	1.050126	Y
4	IC 410-630243/6	3.75	3.680957	5.0	797639.0	0.981589	Y
5	IC 410-630243/5	7.5	8.299136	5.0	741288.0	1.106551	Y
6	ICIS 410-630243/2	12.5	13.767989	5.0	732664.0	1.101439	Y
7	IC 410-630243/4	20.0	20.924809	5.0	750917.0	1.04624	Y
8	IC 410-630243/3	30.0	29.711426	5.0	780302.0	0.990381	Y



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Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

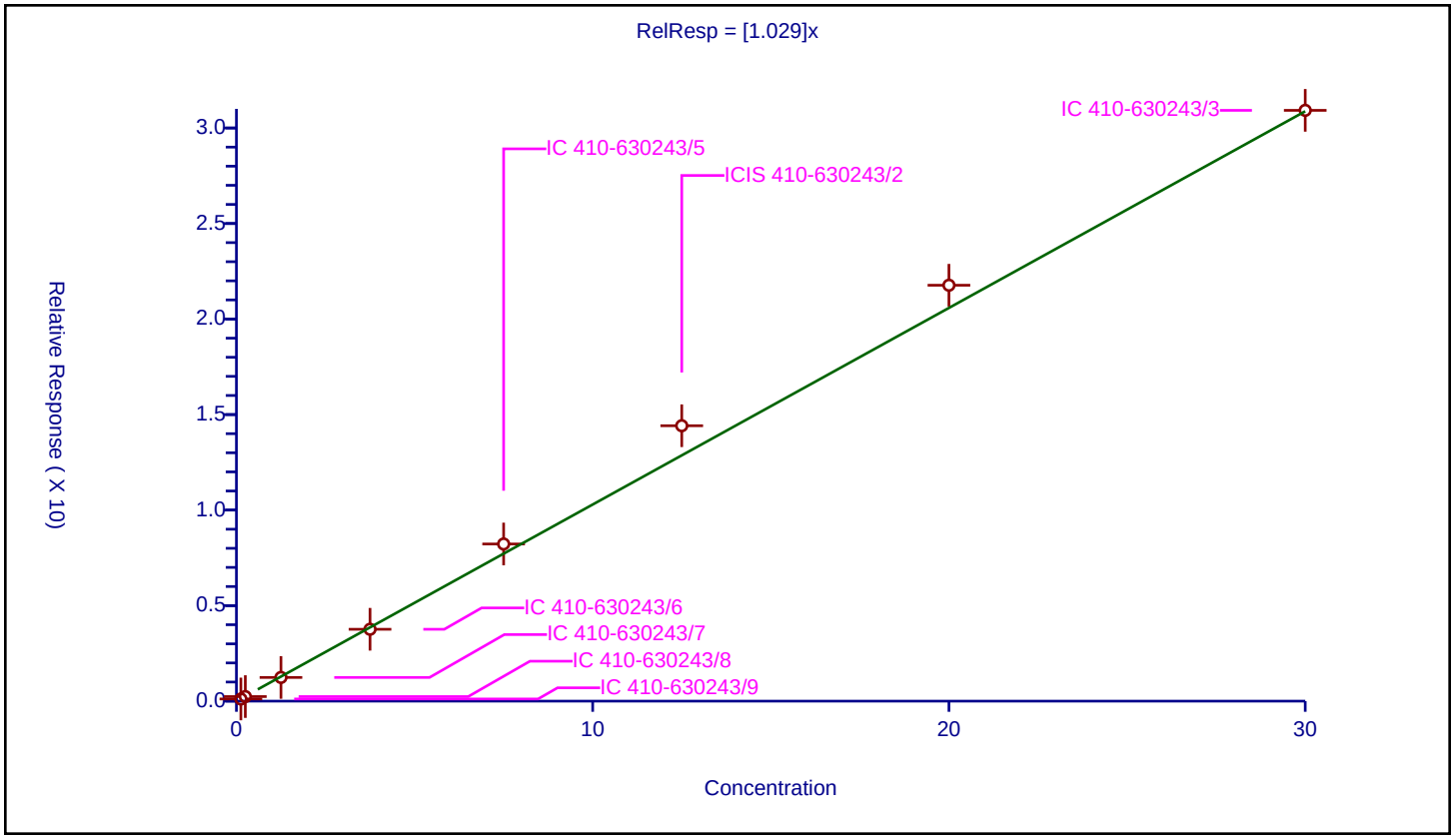
Curve Coefficients

Intercept:	0
Slope:	1.029

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.114048	5.0	994797.0	0.912387	Y
2	IC 410-630243/8	0.25	0.23906	5.0	820547.0	0.95624	Y
3	IC 410-630243/7	1.25	1.240109	5.0	821585.0	0.992087	Y
4	IC 410-630243/6	3.75	3.761714	5.0	797639.0	1.003124	Y
5	IC 410-630243/5	7.5	8.226067	5.0	741288.0	1.096809	Y
6	ICIS 410-630243/2	12.5	14.415128	5.0	732664.0	1.15321	Y
7	IC 410-630243/4	20.0	21.769144	5.0	750917.0	1.088457	Y
8	IC 410-630243/3	30.0	30.923783	5.0	780302.0	1.030793	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

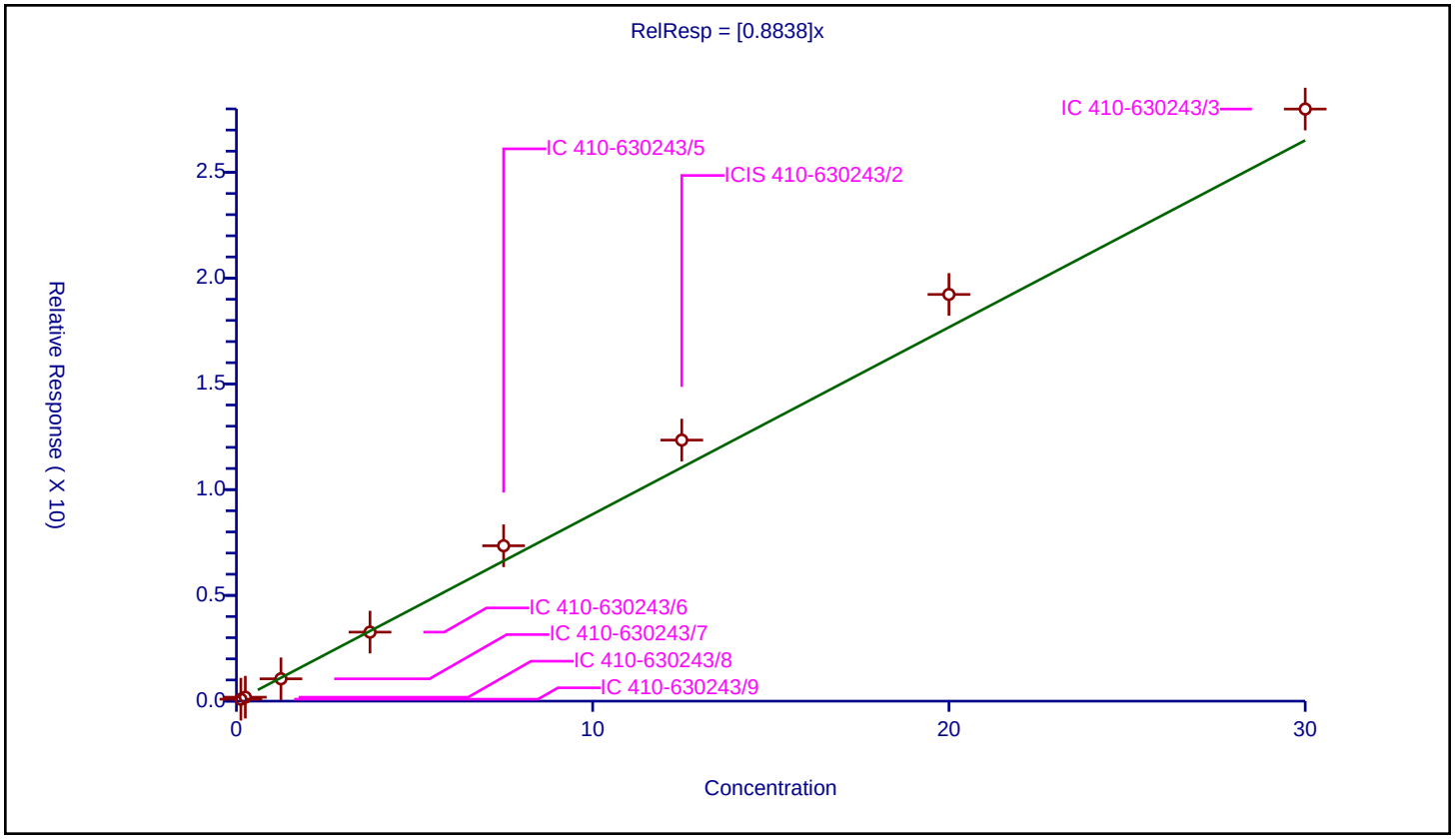
Curve Coefficients

Intercept:	0
Slope:	0.8838

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.093114	5.0	994797.0	0.744916	Y
2	IC 410-630243/8	0.25	0.187326	5.0	820547.0	0.749305	Y
3	IC 410-630243/7	1.25	1.055746	5.0	821585.0	0.844597	Y
4	IC 410-630243/6	3.75	3.26303	5.0	797639.0	0.870141	Y
5	IC 410-630243/5	7.5	7.345067	5.0	741288.0	0.979342	Y
6	ICIS 410-630243/2	12.5	12.34179	5.0	732664.0	0.987343	Y
7	IC 410-630243/4	20.0	19.227311	5.0	750917.0	0.961366	Y
8	IC 410-630243/3	30.0	27.992739	5.0	780302.0	0.933091	Y



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Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

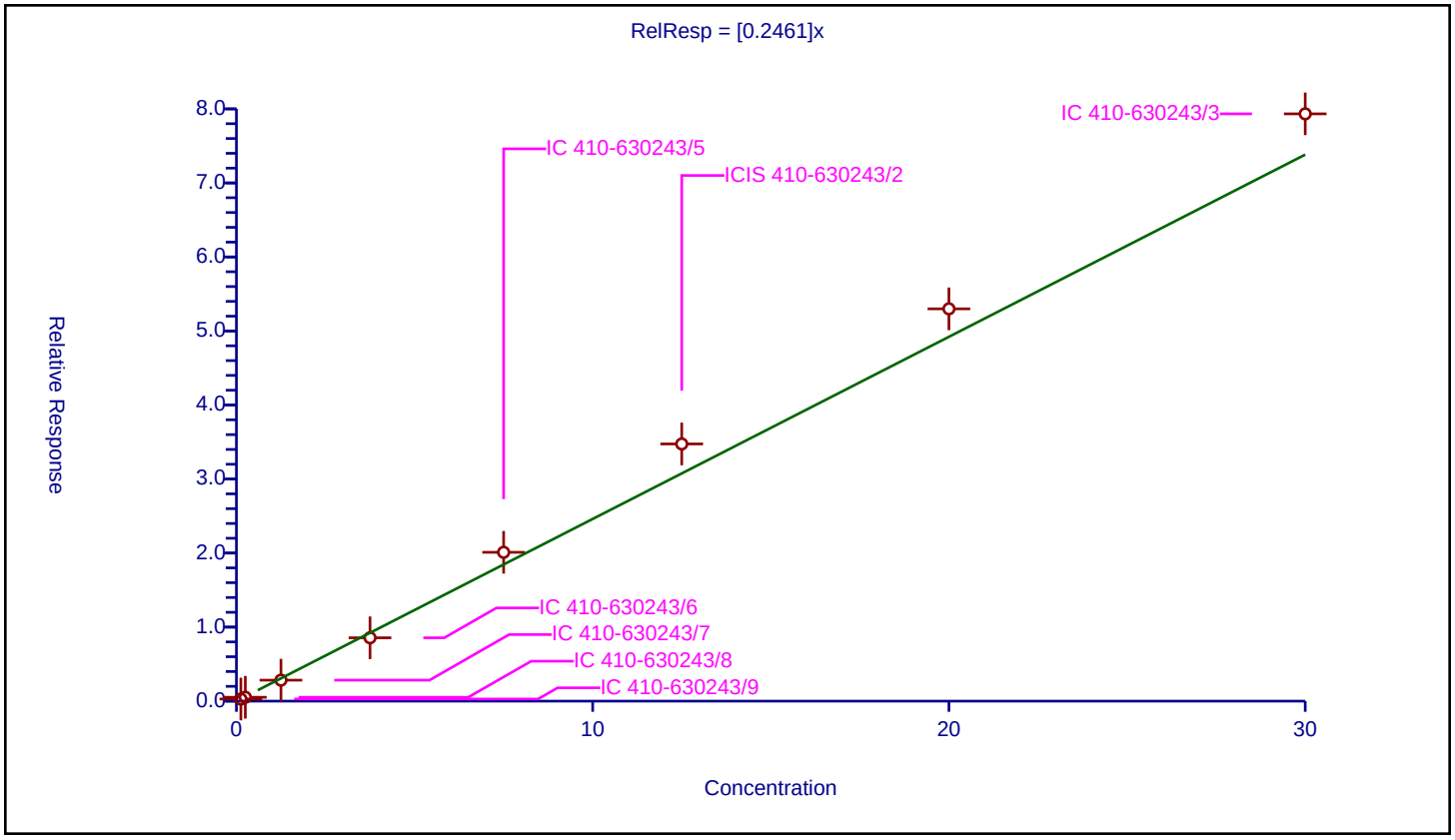
Curve Coefficients

Intercept:	0
Slope:	0.2461

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.028614	5.0	994797.0	0.228911	Y
2	IC 410-630243/8	0.25	0.052325	5.0	820547.0	0.209299	Y
3	IC 410-630243/7	1.25	0.28347	5.0	821585.0	0.226776	Y
4	IC 410-630243/6	3.75	0.855769	5.0	797639.0	0.228205	Y
5	IC 410-630243/5	7.5	2.010568	5.0	741288.0	0.268076	Y
6	ICIS 410-630243/2	12.5	3.474096	5.0	732664.0	0.277928	Y
7	IC 410-630243/4	20.0	5.299134	5.0	750917.0	0.264957	Y
8	IC 410-630243/3	30.0	7.933089	5.0	780302.0	0.264436	Y



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Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

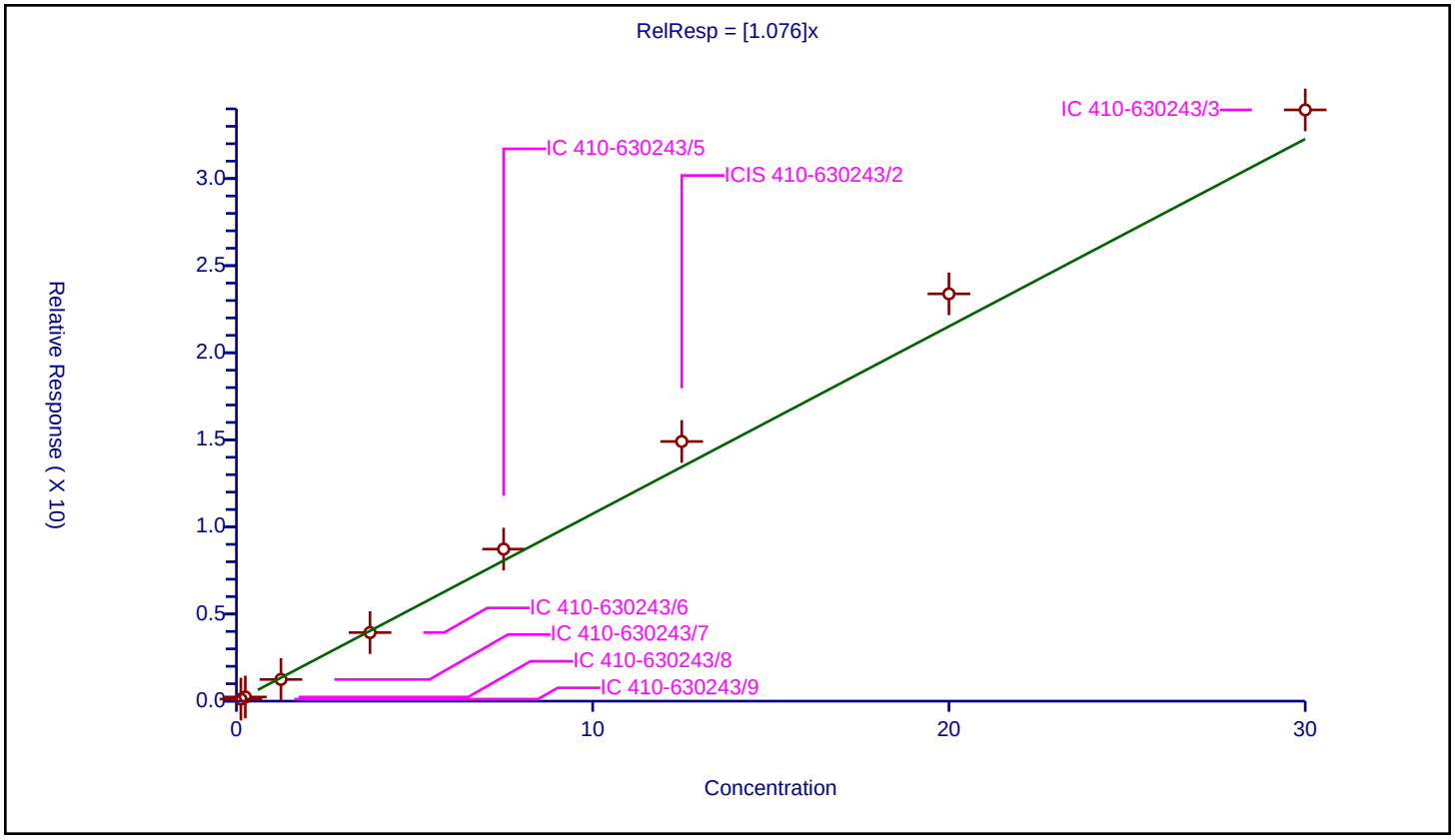
Curve Coefficients

Intercept:	0
Slope:	1.076

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.118004	5.0	994797.0	0.944032	Y
2	IC 410-630243/8	0.25	0.239541	5.0	820547.0	0.958166	Y
3	IC 410-630243/7	1.25	1.24541	5.0	821585.0	0.996328	Y
4	IC 410-630243/6	3.75	3.937884	5.0	797639.0	1.050102	Y
5	IC 410-630243/5	7.5	8.727768	5.0	741288.0	1.163702	Y
6	ICIS 410-630243/2	12.5	14.907877	5.0	732664.0	1.19263	Y
7	IC 410-630243/4	20.0	23.382085	5.0	750917.0	1.169104	Y
8	IC 410-630243/3	30.0	33.942582	5.0	780302.0	1.131419	Y



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Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

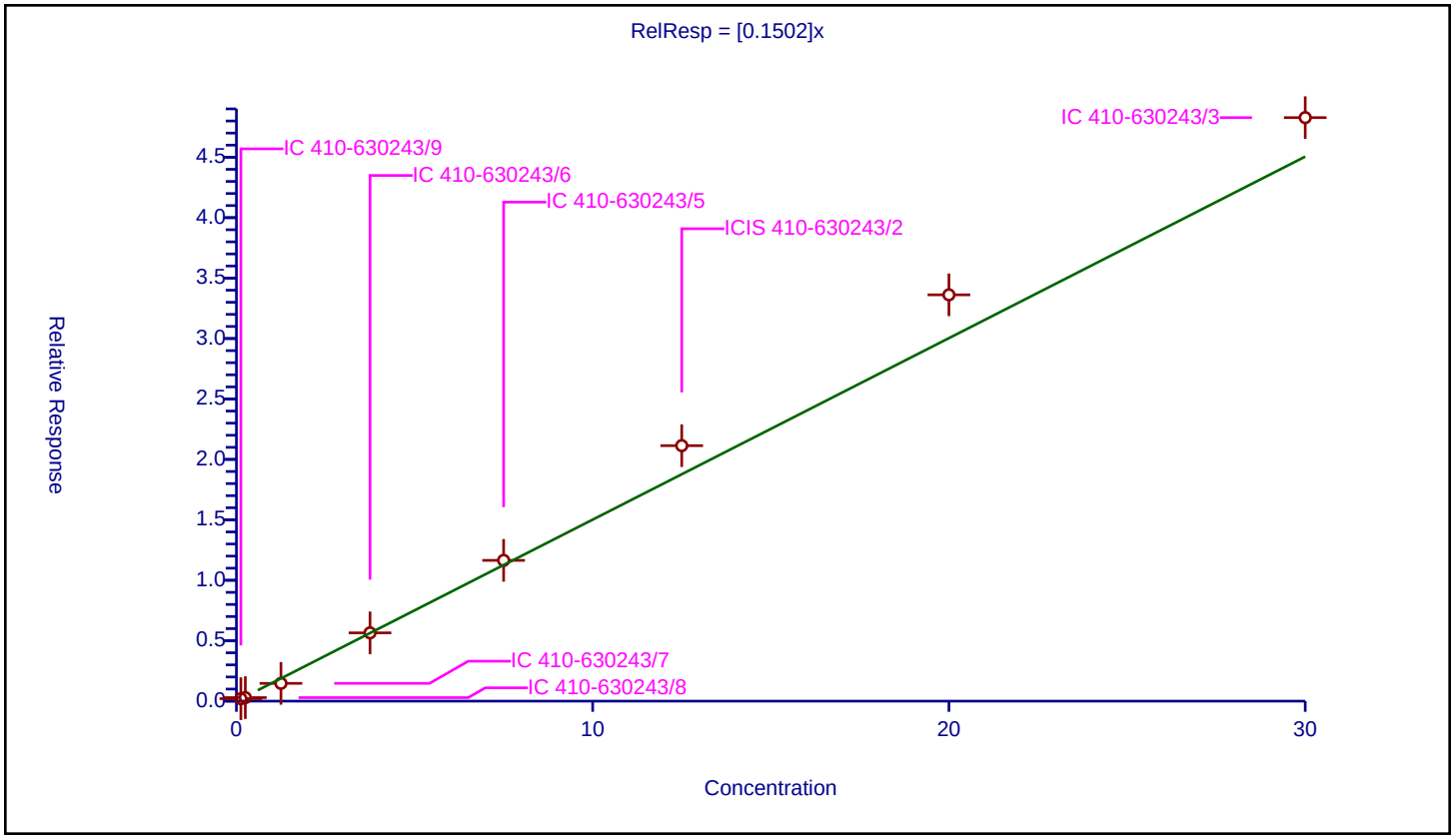
Curve Coefficients

Intercept:	0
Slope:	0.1502

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.020306	5.0	994797.0	0.162445	Y
2	IC 410-630243/8	0.25	0.029291	5.0	820547.0	0.117166	Y
3	IC 410-630243/7	1.25	0.1471	5.0	821585.0	0.11768	Y
4	IC 410-630243/6	3.75	0.56493	5.0	797639.0	0.150648	Y
5	IC 410-630243/5	7.5	1.164642	5.0	741288.0	0.155286	Y
6	ICIS 410-630243/2	12.5	2.113841	5.0	732664.0	0.169107	Y
7	IC 410-630243/4	20.0	3.361736	5.0	750917.0	0.168087	Y
8	IC 410-630243/3	30.0	4.827637	5.0	780302.0	0.160921	Y



Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

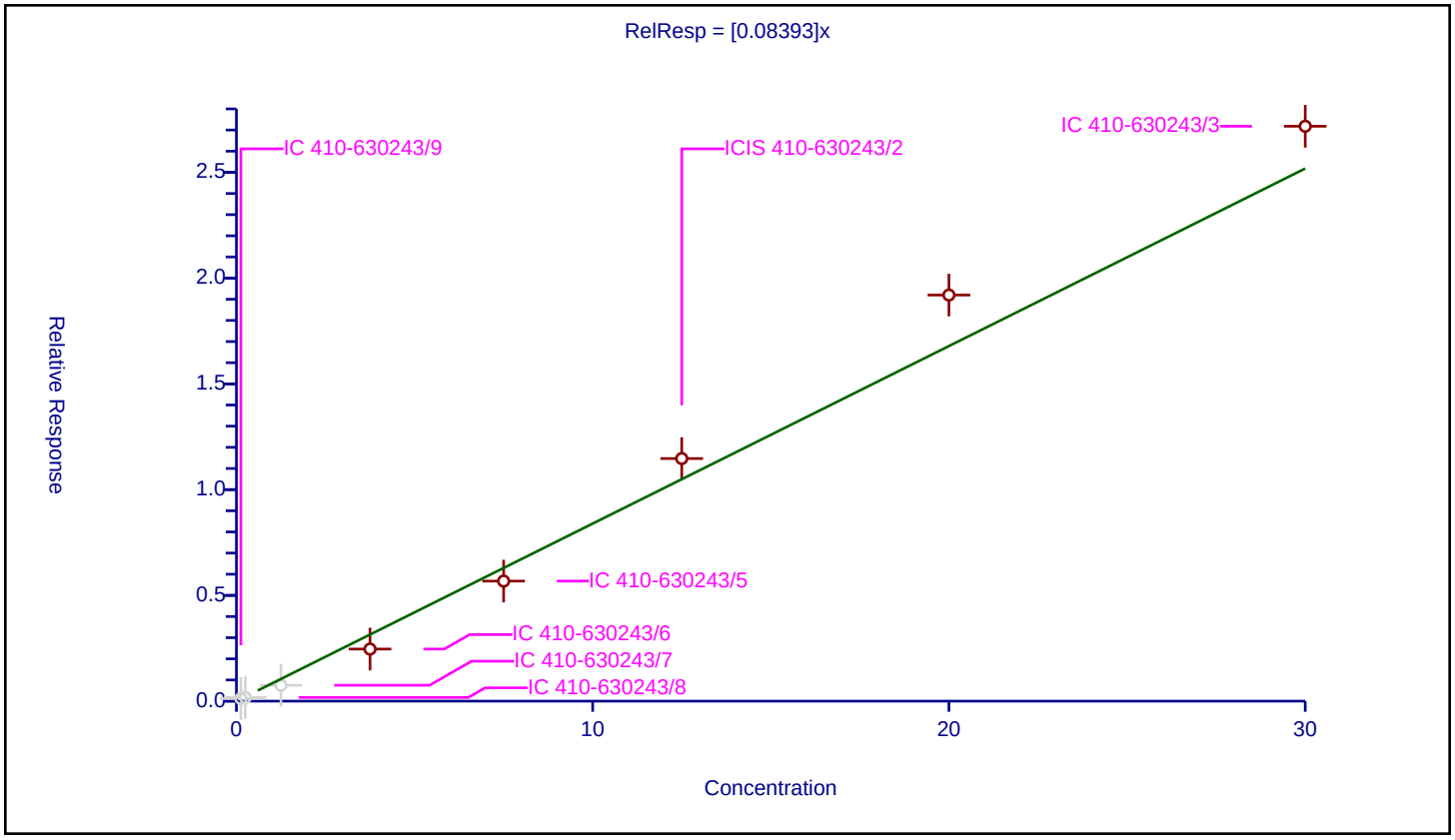
Curve Coefficients

Intercept:	0
Slope:	0.08393

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.012435	5.0	994797.0	0.099478	N
2	IC 410-630243/8	0.25	0.017171	5.0	820547.0	0.068686	N
3	IC 410-630243/7	1.25	0.07505	5.0	821585.0	0.06004	N
4	IC 410-630243/6	3.75	0.246177	5.0	797639.0	0.065647	Y
5	IC 410-630243/5	7.5	0.567553	5.0	741288.0	0.075674	Y
6	ICIS 410-630243/2	12.5	1.14691	5.0	732664.0	0.091753	Y
7	IC 410-630243/4	20.0	1.919953	5.0	750917.0	0.095998	Y
8	IC 410-630243/3	30.0	2.717916	5.0	780302.0	0.090597	Y



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Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

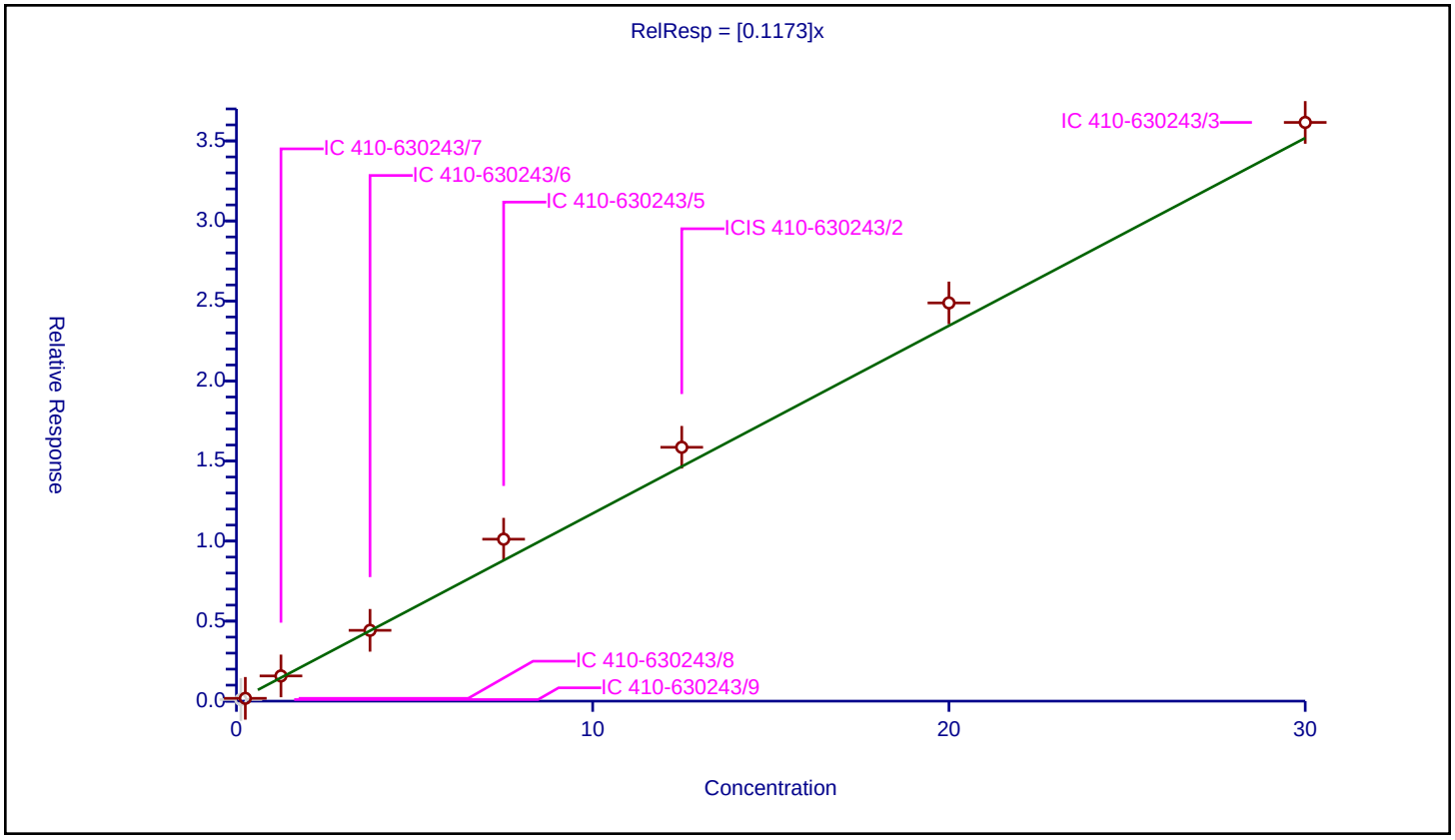
Curve Coefficients

Intercept:	0
Slope:	0.1173

Error Coefficients

Relative Standard Deviation:	18.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.009861	5.0	994797.0	0.07889	N
2	IC 410-630243/8	0.25	0.017561	5.0	820547.0	0.070246	Y
3	IC 410-630243/7	1.25	0.157507	5.0	821585.0	0.126005	Y
4	IC 410-630243/6	3.75	0.442305	5.0	797639.0	0.117948	Y
5	IC 410-630243/5	7.5	1.011753	5.0	741288.0	0.1349	Y
6	ICIS 410-630243/2	12.5	1.585979	5.0	732664.0	0.126878	Y
7	IC 410-630243/4	20.0	2.487752	5.0	750917.0	0.124388	Y
8	IC 410-630243/3	30.0	3.615491	5.0	780302.0	0.120516	Y



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Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

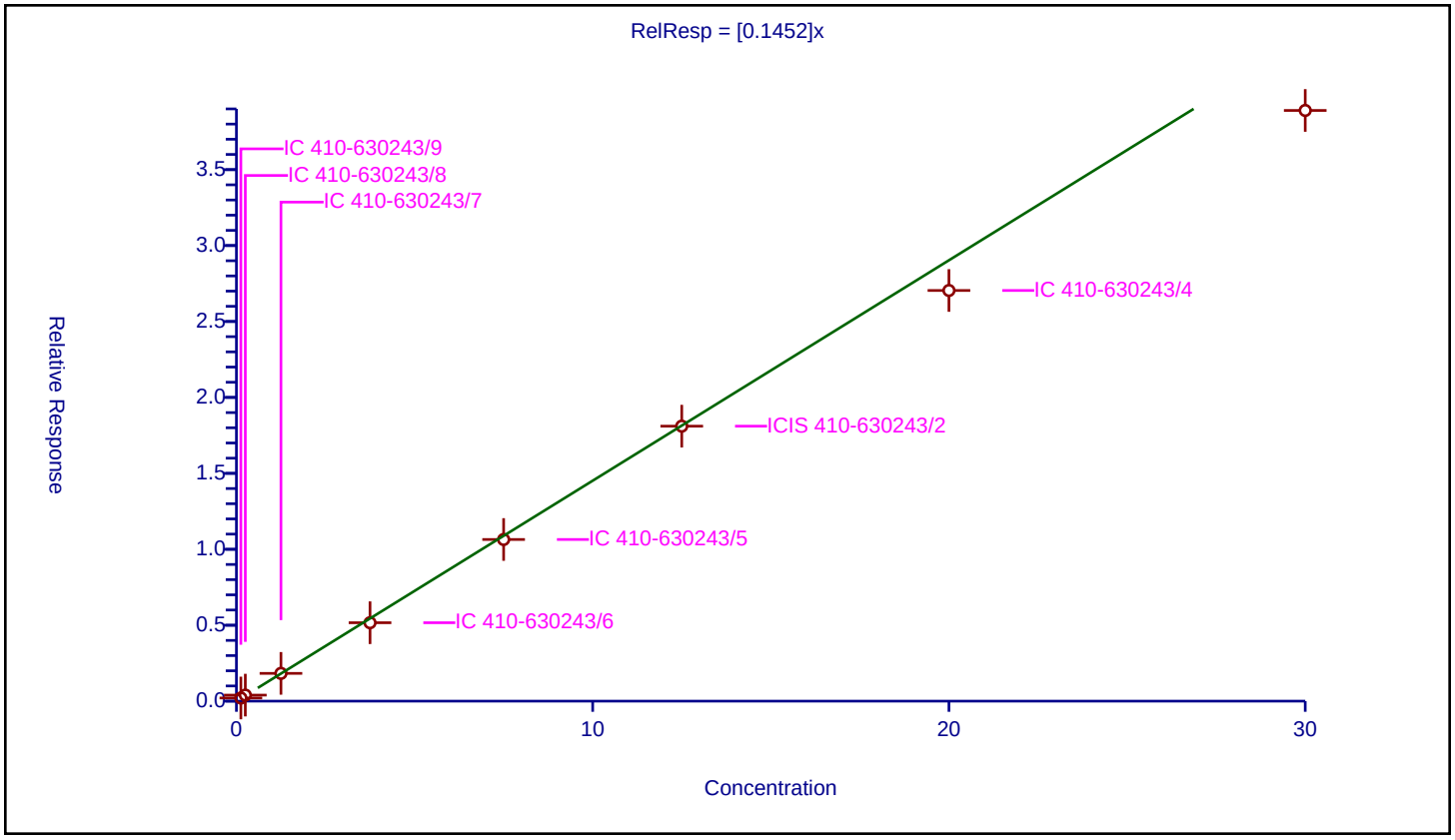
Curve Coefficients

Intercept:	0
Slope:	0.1452

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.020823	5.0	994797.0	0.166587	Y
2	IC 410-630243/8	0.25	0.039772	5.0	820547.0	0.159089	Y
3	IC 410-630243/7	1.25	0.182757	5.0	821585.0	0.146205	Y
4	IC 410-630243/6	3.75	0.516418	5.0	797639.0	0.137711	Y
5	IC 410-630243/5	7.5	1.064424	5.0	741288.0	0.141923	Y
6	ICIS 410-630243/2	12.5	1.810857	5.0	732664.0	0.144869	Y
7	IC 410-630243/4	20.0	2.704147	5.0	750917.0	0.135207	Y
8	IC 410-630243/3	30.0	3.889654	5.0	780302.0	0.129655	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

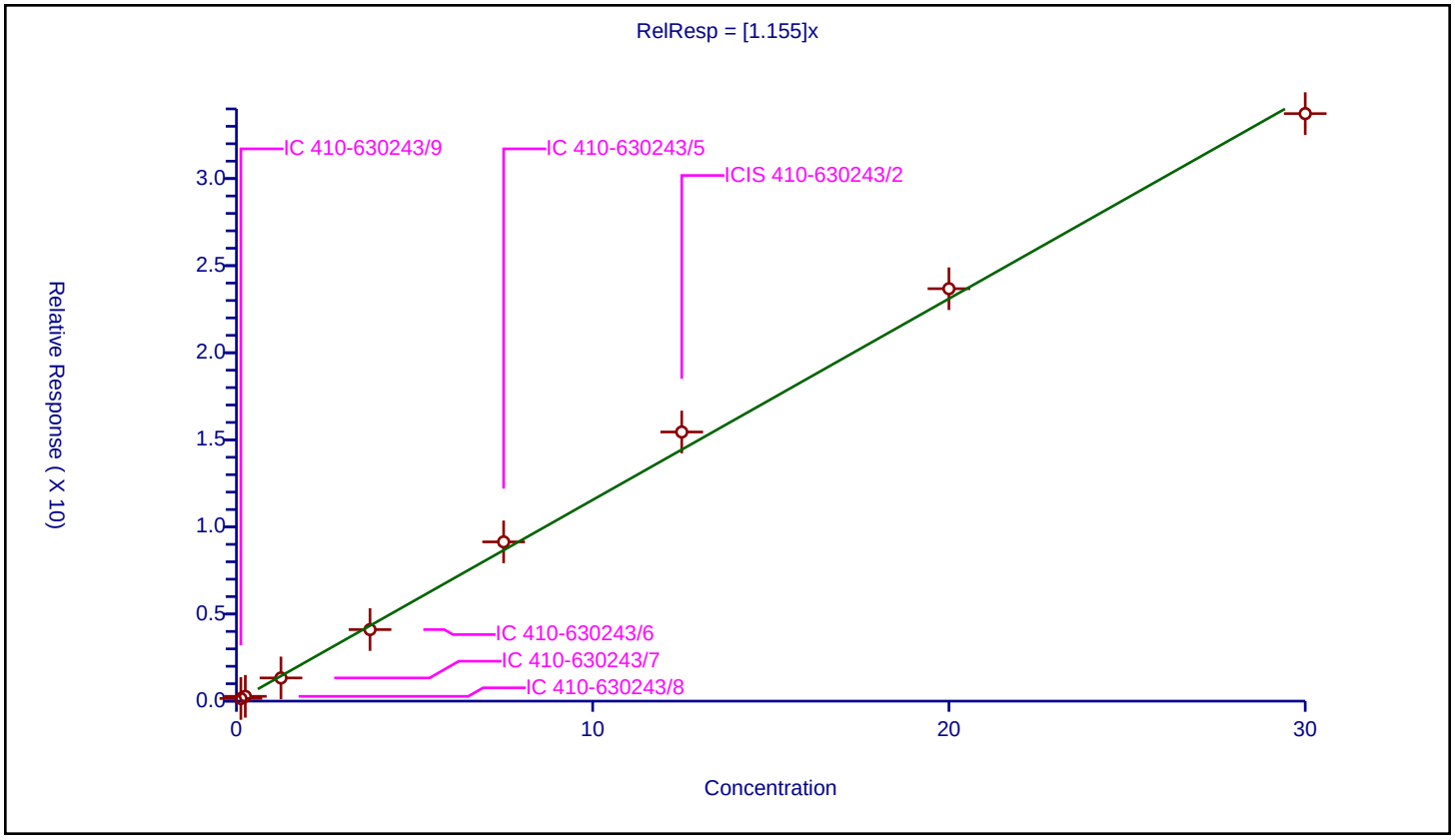
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.151669	5.0	994797.0	1.213353	Y
2	IC 410-630243/8	0.25	0.276279	5.0	820547.0	1.105116	Y
3	IC 410-630243/7	1.25	1.330538	5.0	821585.0	1.06443	Y
4	IC 410-630243/6	3.75	4.107322	5.0	797639.0	1.095286	Y
5	IC 410-630243/5	7.5	9.143234	5.0	741288.0	1.219098	Y
6	ICIS 410-630243/2	12.5	15.451762	5.0	732664.0	1.236141	Y
7	IC 410-630243/4	20.0	23.677996	5.0	750917.0	1.1839	Y
8	IC 410-630243/3	30.0	33.729806	5.0	780302.0	1.124327	Y



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Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

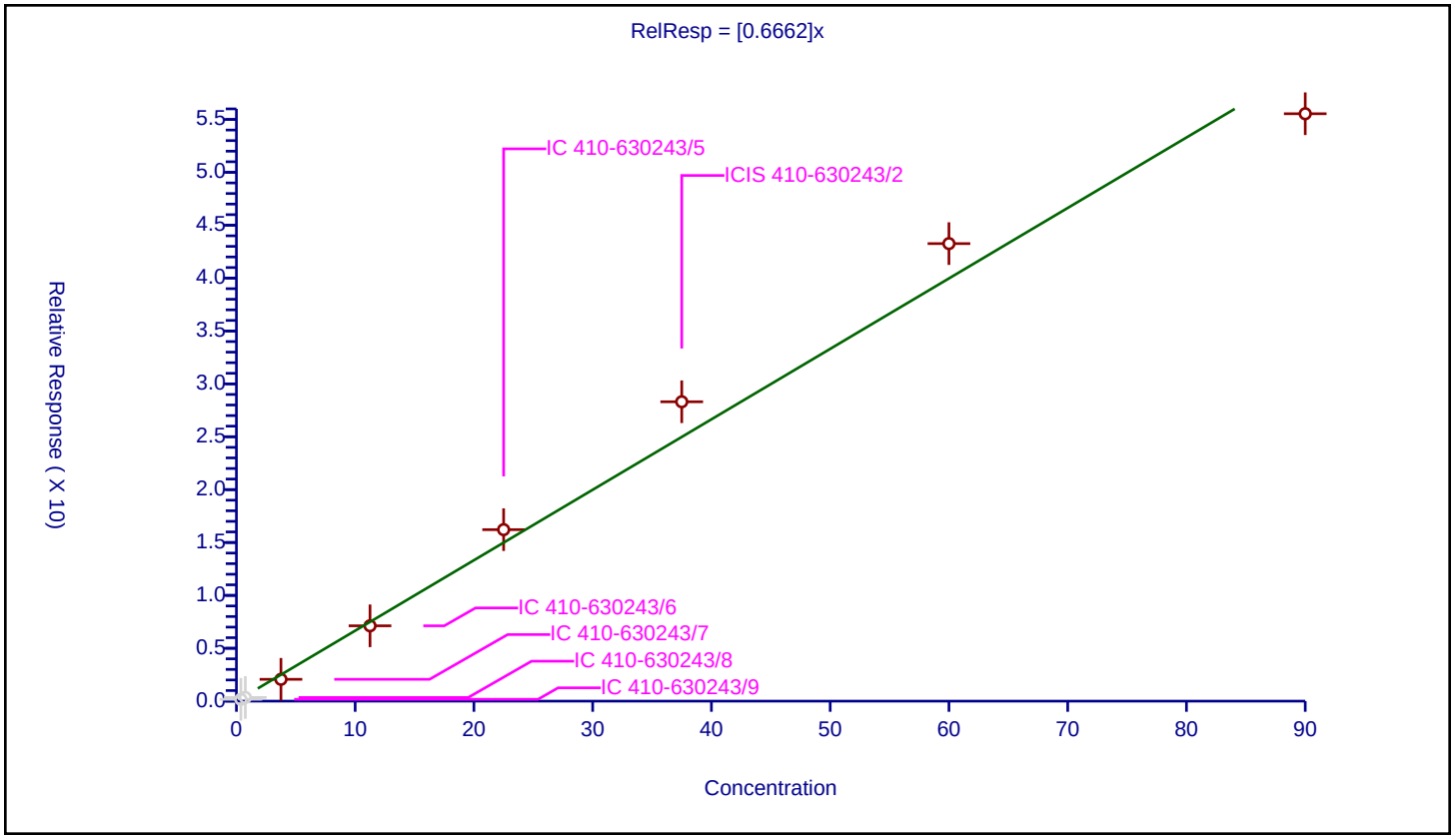
Curve Coefficients

Intercept:	0
Slope:	0.6662

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.375	0.174225	5.0	986084.0	0.464599	N
2	IC 410-630243/8	0.75	0.346473	5.0	806600.0	0.461964	N
3	IC 410-630243/7	3.75	2.062997	5.0	810624.0	0.550133	Y
4	IC 410-630243/6	11.25	7.123239	5.0	815410.0	0.633177	Y
5	IC 410-630243/5	22.5	16.215653	5.0	741758.0	0.720696	Y
6	ICIS 410-630243/2	37.5	28.30712	5.0	750133.0	0.754857	Y
7	IC 410-630243/4	60.0	43.261745	5.0	765515.0	0.721029	Y
8	IC 410-630243/3	90.0	55.541885	5.0	768419.0	0.617132	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

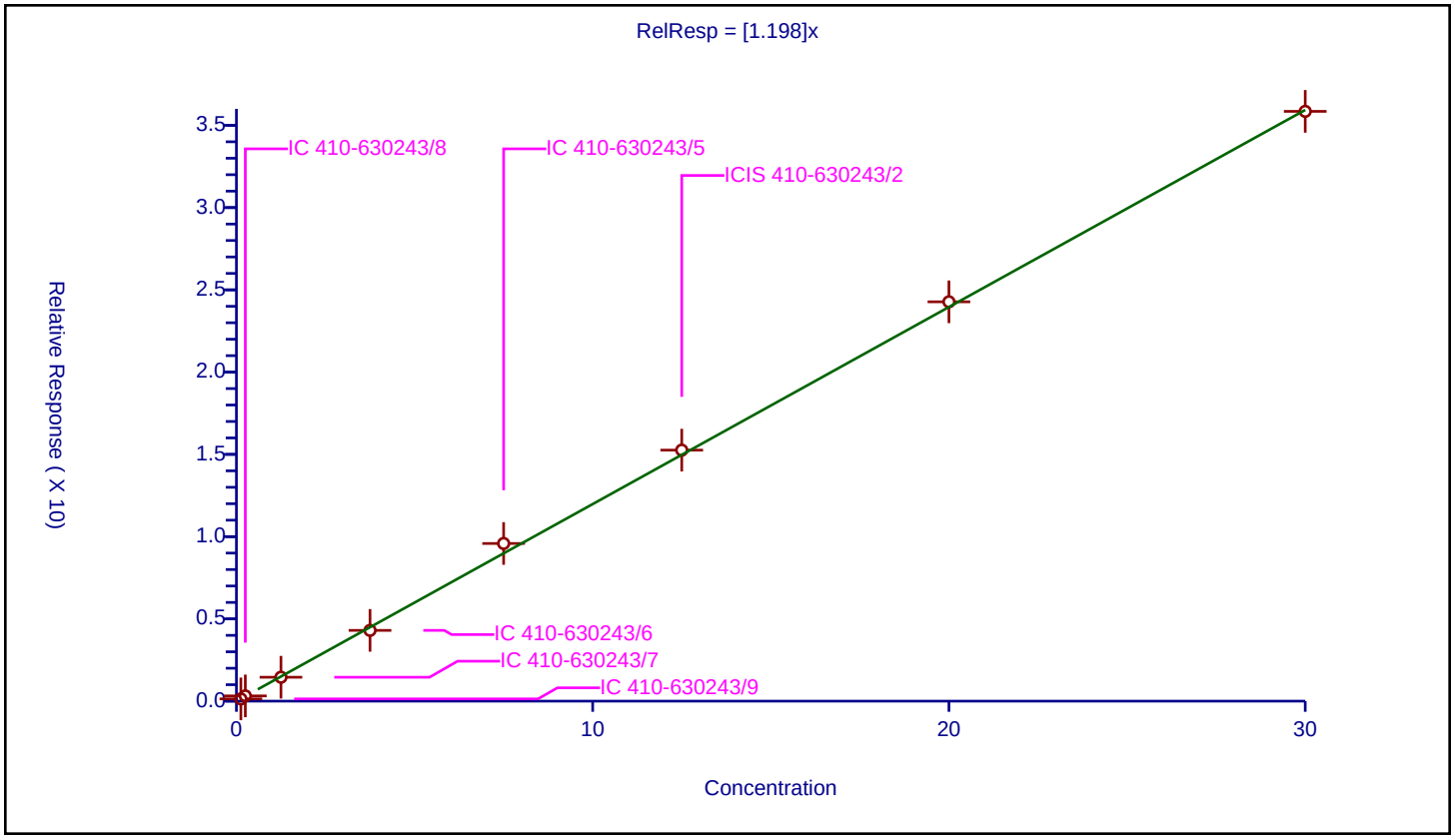
Curve Coefficients

Intercept:	0
Slope:	1.198

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.136626	5.0	986084.0	1.09301	Y
2	IC 410-630243/8	0.25	0.318063	5.0	806600.0	1.272254	Y
3	IC 410-630243/7	1.25	1.453627	5.0	810624.0	1.162902	Y
4	IC 410-630243/6	3.75	4.301554	5.0	815410.0	1.147081	Y
5	IC 410-630243/5	7.5	9.584009	5.0	741758.0	1.277868	Y
6	ICIS 410-630243/2	12.5	15.258361	5.0	750133.0	1.220669	Y
7	IC 410-630243/4	20.0	24.274639	5.0	765515.0	1.213732	Y
8	IC 410-630243/3	30.0	35.849829	5.0	768419.0	1.194994	Y



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Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

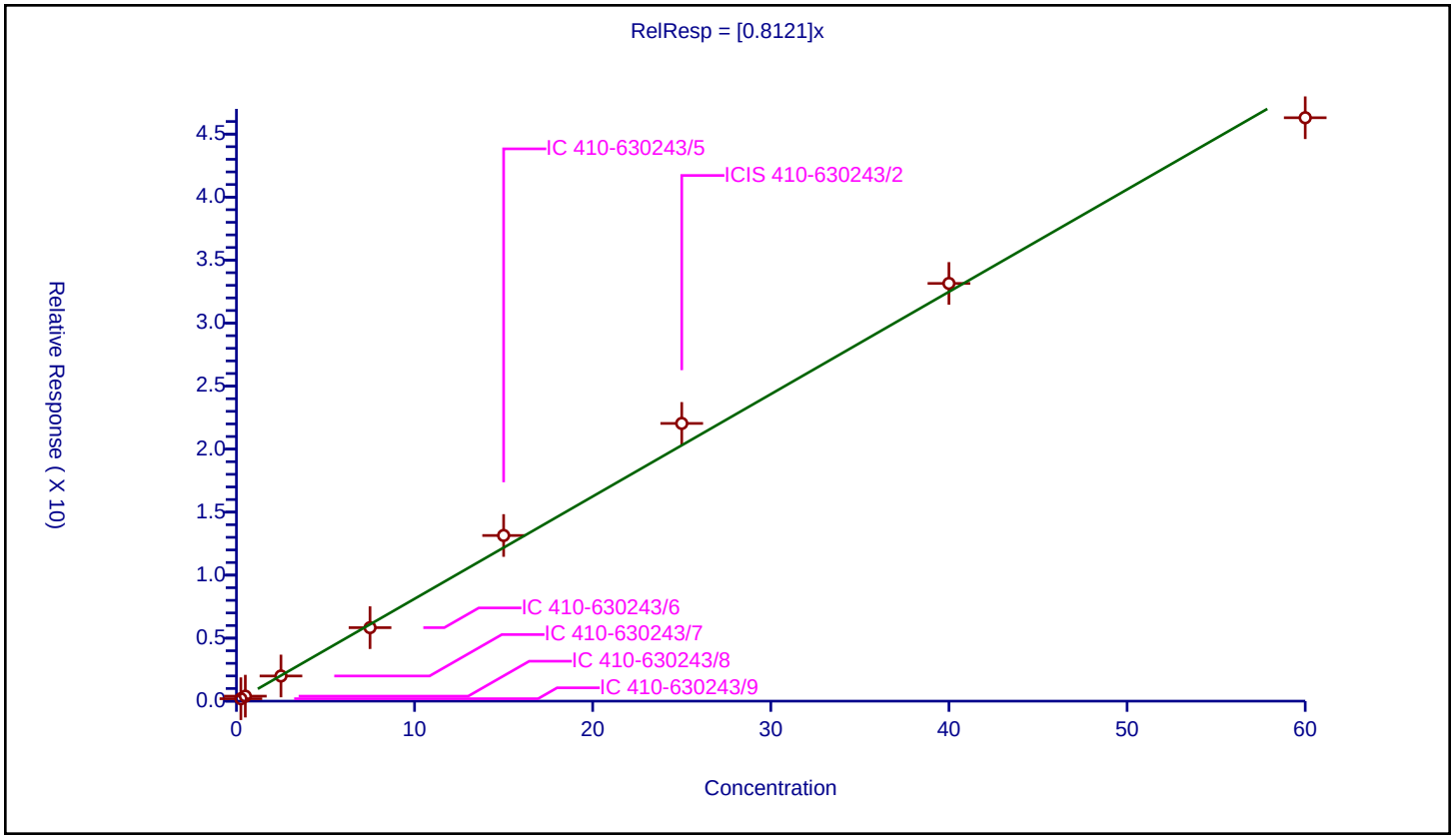
Curve Coefficients

Intercept:	0
Slope:	0.8121

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.25	0.192747	5.0	986084.0	0.770989	Y
2	IC 410-630243/8	0.5	0.395828	5.0	806600.0	0.791656	Y
3	IC 410-630243/7	2.5	1.995888	5.0	810624.0	0.798355	Y
4	IC 410-630243/6	7.5	5.831594	5.0	815410.0	0.777546	Y
5	IC 410-630243/5	15.0	13.145689	5.0	741758.0	0.876379	Y
6	ICIS 410-630243/2	25.0	22.039505	5.0	750133.0	0.88158	Y
7	IC 410-630243/4	40.0	33.149664	5.0	765515.0	0.828742	Y
8	IC 410-630243/3	60.0	46.297599	5.0	768419.0	0.771627	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

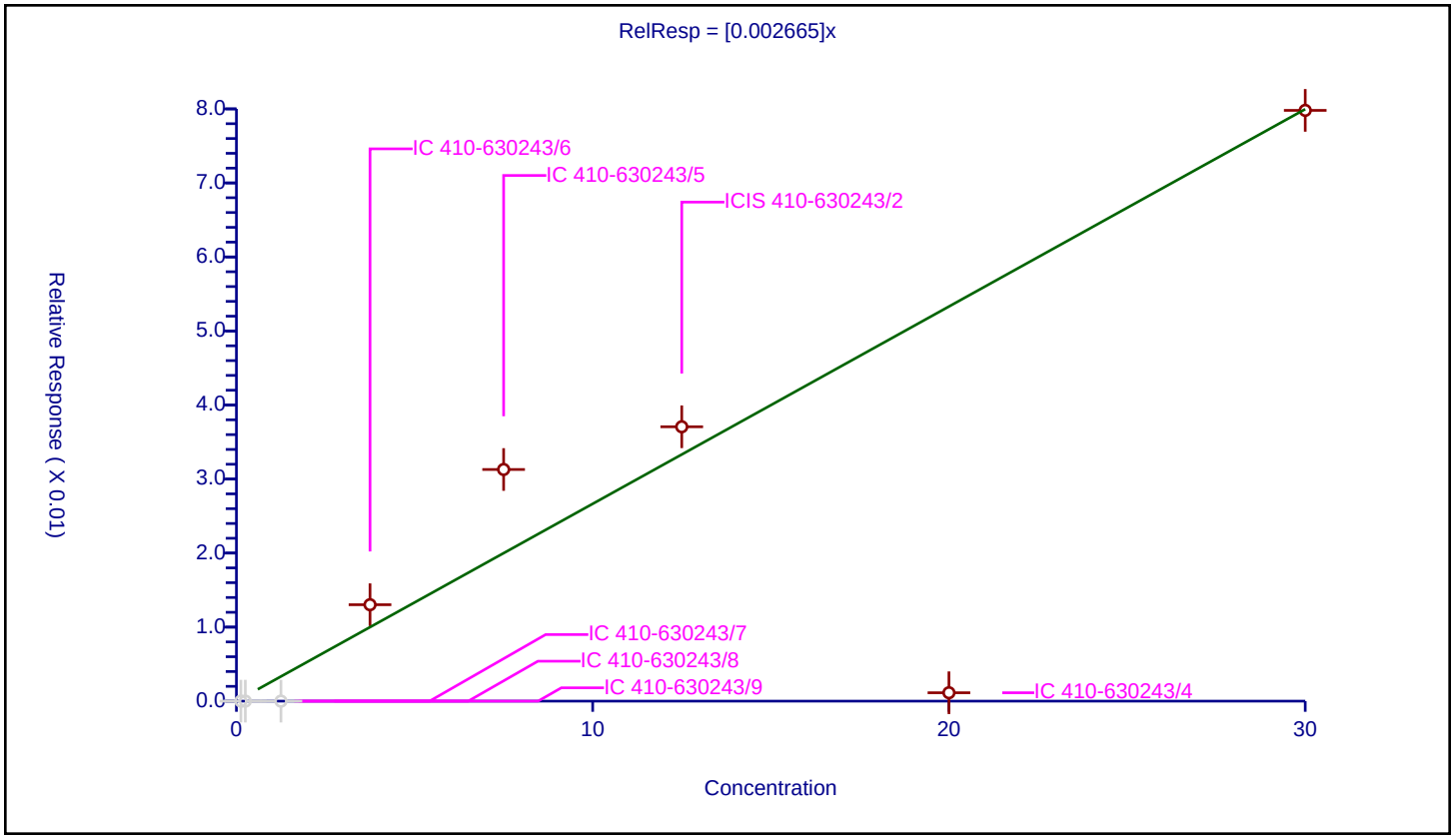
Curve Coefficients

Intercept:	0
Slope:	0.002665

Error Coefficients

Relative Standard Deviation:	58.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.0	5.0	986084.0	0.0	N
2	IC 410-630243/8	0.25	0.0	5.0	806600.0	0.0	N
3	IC 410-630243/7	1.25	0.0	5.0	810624.0	0.0	N
4	IC 410-630243/6	3.75	0.013024	5.0	815410.0	0.003473	Y
5	IC 410-630243/5	7.5	0.031291	5.0	741758.0	0.004172	Y
6	ICIS 410-630243/2	12.5	0.03706	5.0	750133.0	0.002965	Y
7	IC 410-630243/4	20.0	0.001136	5.0	765515.0	0.000057	Y
8	IC 410-630243/3	30.0	0.0798	5.0	768419.0	0.00266	Y



Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

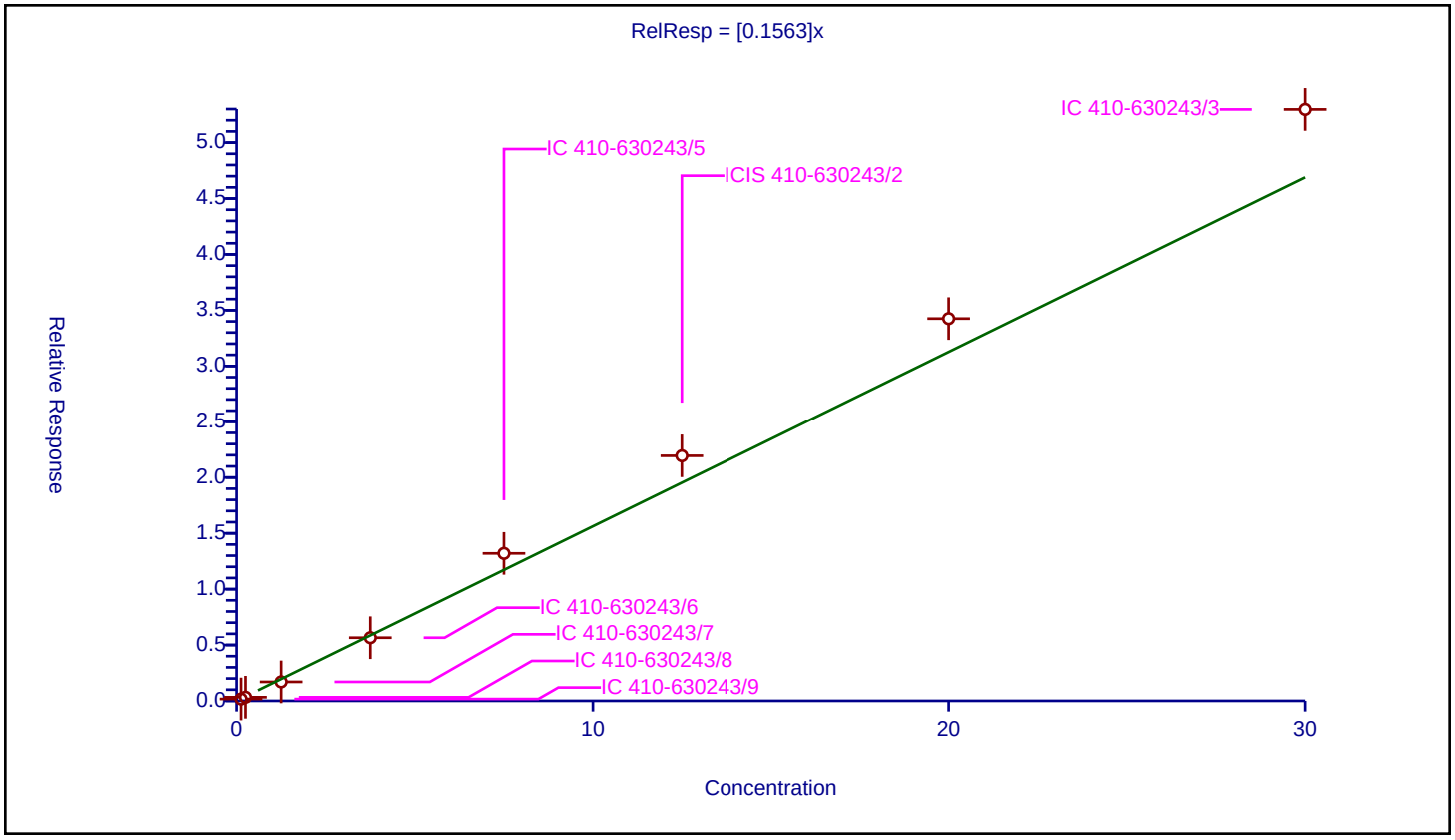
Curve Coefficients

Intercept:	0
Slope:	0.1563

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.016804	5.0	986084.0	0.134431	Y
2	IC 410-630243/8	0.25	0.032513	5.0	806600.0	0.130052	Y
3	IC 410-630243/7	1.25	0.16982	5.0	810624.0	0.135856	Y
4	IC 410-630243/6	3.75	0.565231	5.0	815410.0	0.150728	Y
5	IC 410-630243/5	7.5	1.320242	5.0	741758.0	0.176032	Y
6	ICIS 410-630243/2	12.5	2.194884	5.0	750133.0	0.175591	Y
7	IC 410-630243/4	20.0	3.424917	5.0	765515.0	0.171246	Y
8	IC 410-630243/3	30.0	5.296635	5.0	768419.0	0.176555	Y



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Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

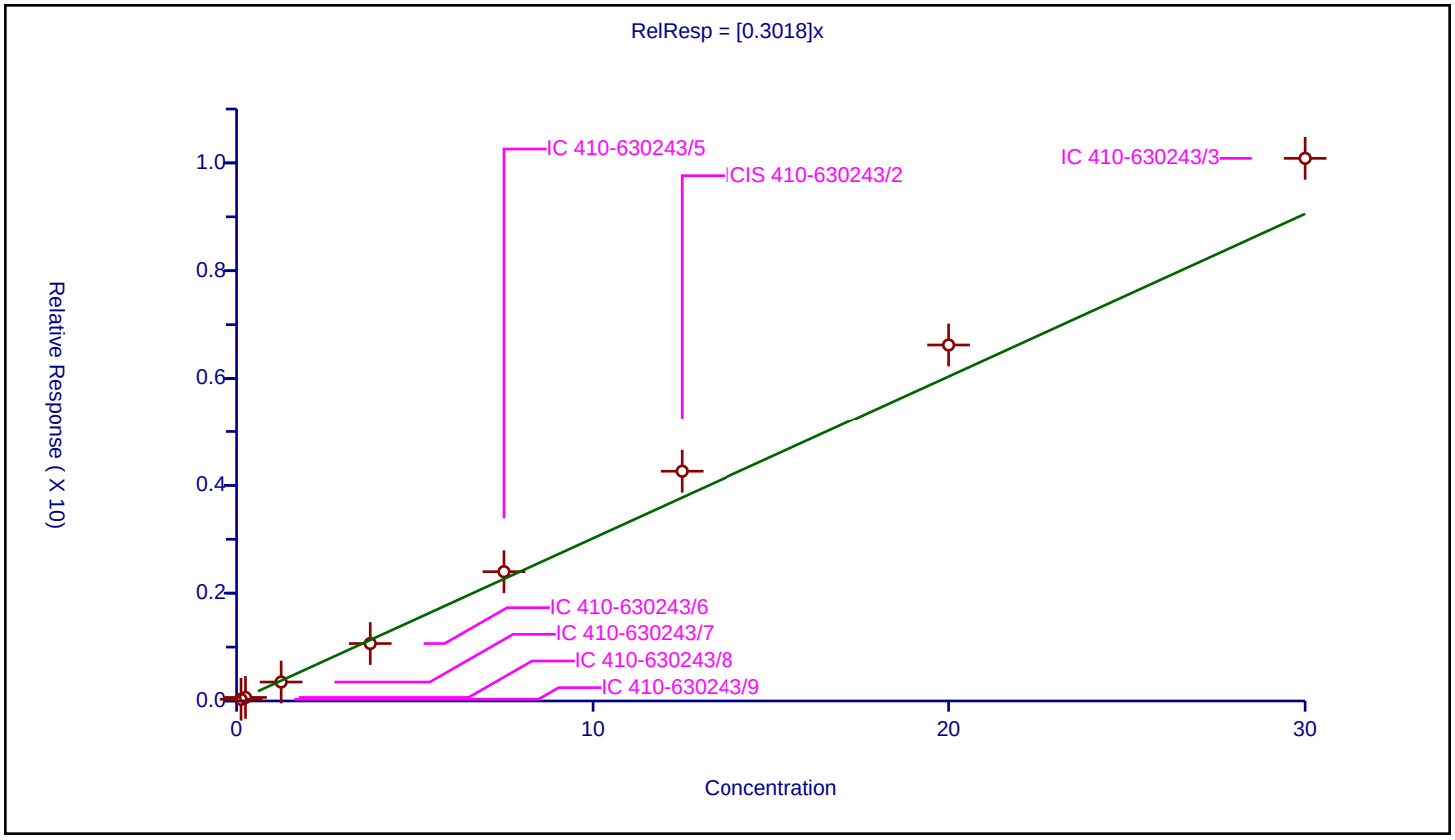
Curve Coefficients

Intercept:	0
Slope:	0.3018

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.032005	5.0	986084.0	0.256043	Y
2	IC 410-630243/8	0.25	0.066278	5.0	806600.0	0.265113	Y
3	IC 410-630243/7	1.25	0.351488	5.0	810624.0	0.281191	Y
4	IC 410-630243/6	3.75	1.065961	5.0	815410.0	0.284256	Y
5	IC 410-630243/5	7.5	2.398943	5.0	741758.0	0.319859	Y
6	ICIS 410-630243/2	12.5	4.262231	5.0	750133.0	0.340978	Y
7	IC 410-630243/4	20.0	6.622679	5.0	765515.0	0.331134	Y
8	IC 410-630243/3	30.0	10.085038	5.0	768419.0	0.336168	Y



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Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

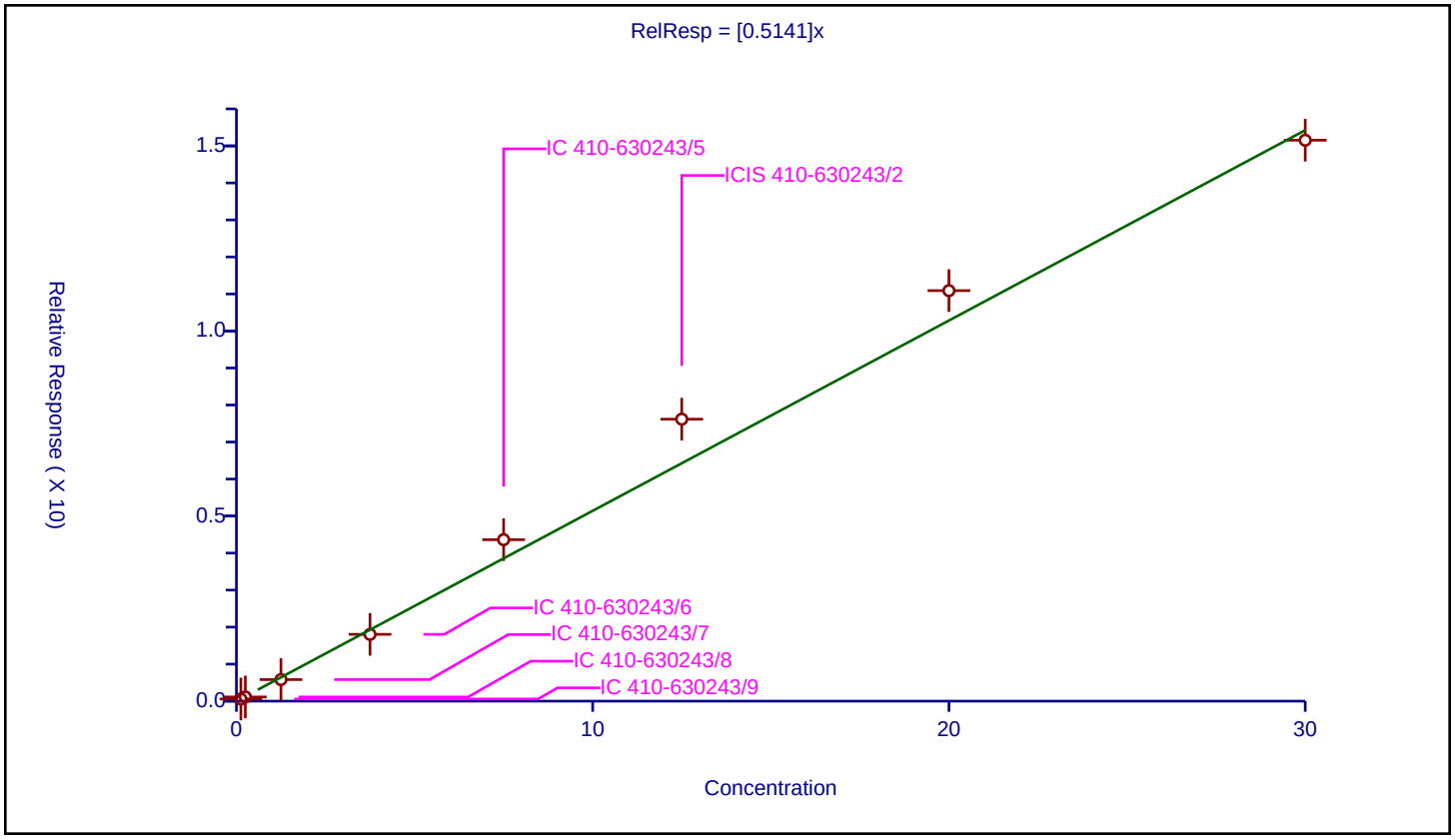
Curve Coefficients

Intercept:	0
Slope:	0.5141

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.058175	5.0	986084.0	0.465396	Y
2	IC 410-630243/8	0.25	0.112528	5.0	806600.0	0.450112	Y
3	IC 410-630243/7	1.25	0.582292	5.0	810624.0	0.465834	Y
4	IC 410-630243/6	3.75	1.804233	5.0	815410.0	0.481129	Y
5	IC 410-630243/5	7.5	4.361234	5.0	741758.0	0.581498	Y
6	ICIS 410-630243/2	12.5	7.617443	5.0	750133.0	0.609395	Y
7	IC 410-630243/4	20.0	11.090227	5.0	765515.0	0.554511	Y
8	IC 410-630243/3	30.0	15.153803	5.0	768419.0	0.505127	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

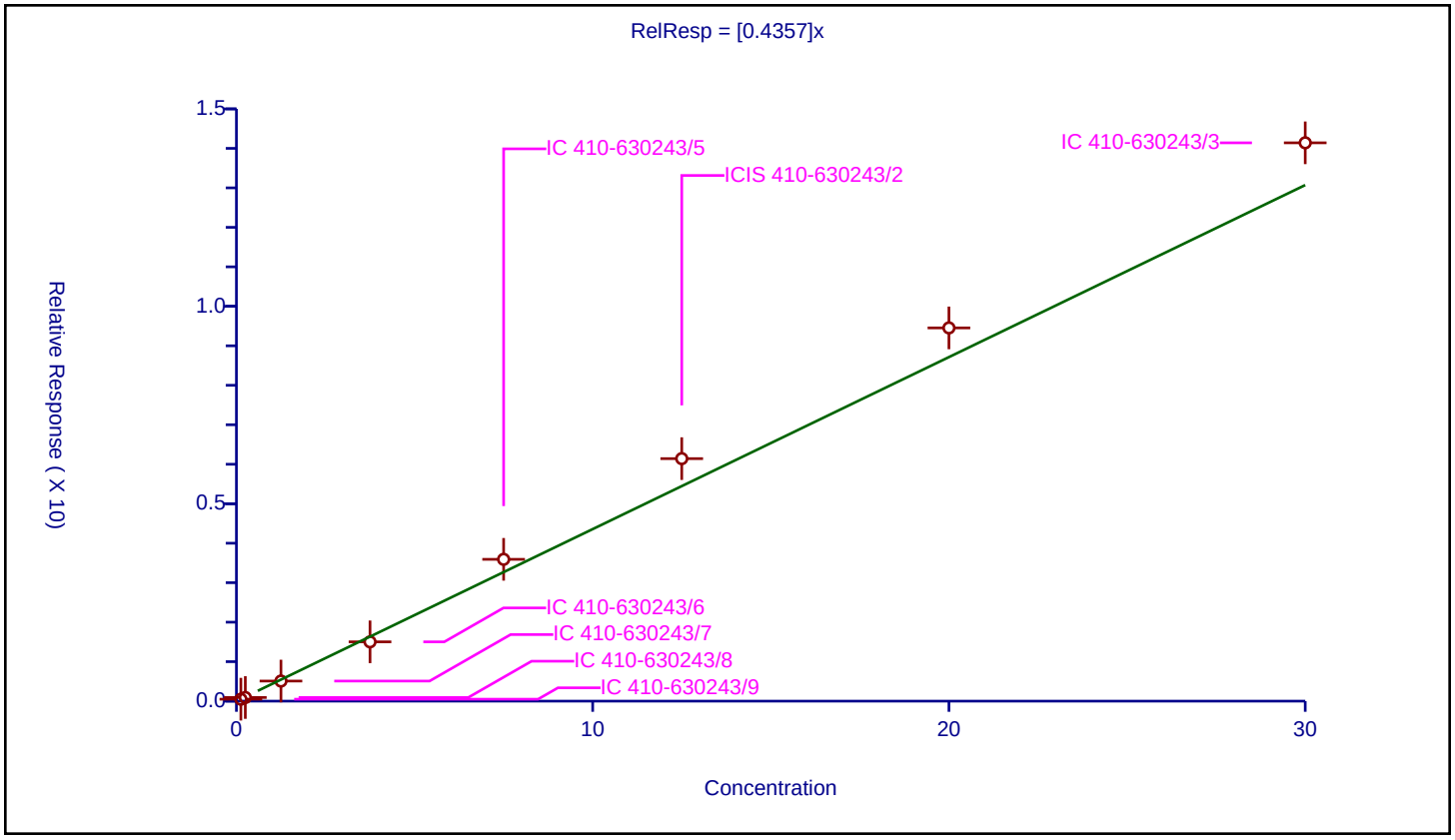
Curve Coefficients

Intercept:	0
Slope:	0.4357

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.049382	5.0	986084.0	0.395058	Y
2	IC 410-630243/8	0.25	0.092115	5.0	806600.0	0.36846	Y
3	IC 410-630243/7	1.25	0.508929	5.0	810624.0	0.407143	Y
4	IC 410-630243/6	3.75	1.502036	5.0	815410.0	0.400543	Y
5	IC 410-630243/5	7.5	3.591562	5.0	741758.0	0.478875	Y
6	ICIS 410-630243/2	12.5	6.141944	5.0	750133.0	0.491356	Y
7	IC 410-630243/4	20.0	9.453277	5.0	765515.0	0.472664	Y
8	IC 410-630243/3	30.0	14.140677	5.0	768419.0	0.471356	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

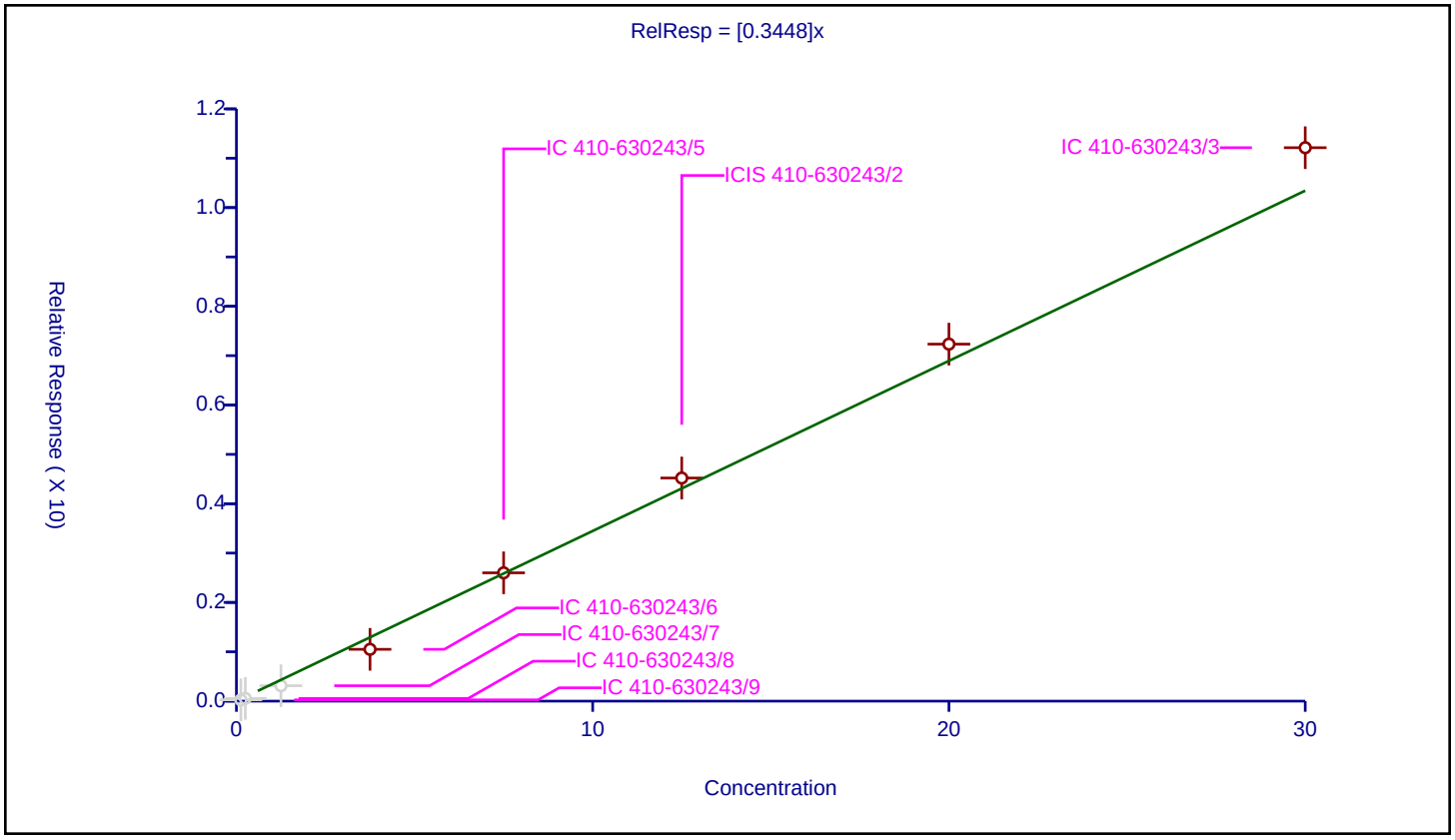
Curve Coefficients

Intercept:	0
Slope:	0.3448

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.025748	5.0	986084.0	0.205987	N
2	IC 410-630243/8	0.25	0.055548	5.0	806600.0	0.222192	N
3	IC 410-630243/7	1.25	0.312407	5.0	810624.0	0.249926	N
4	IC 410-630243/6	3.75	1.050153	5.0	815410.0	0.280041	Y
5	IC 410-630243/5	7.5	2.599514	5.0	741758.0	0.346602	Y
6	ICIS 410-630243/2	12.5	4.520772	5.0	750133.0	0.361662	Y
7	IC 410-630243/4	20.0	7.233621	5.0	765515.0	0.361681	Y
8	IC 410-630243/3	30.0	11.213693	5.0	768419.0	0.37379	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

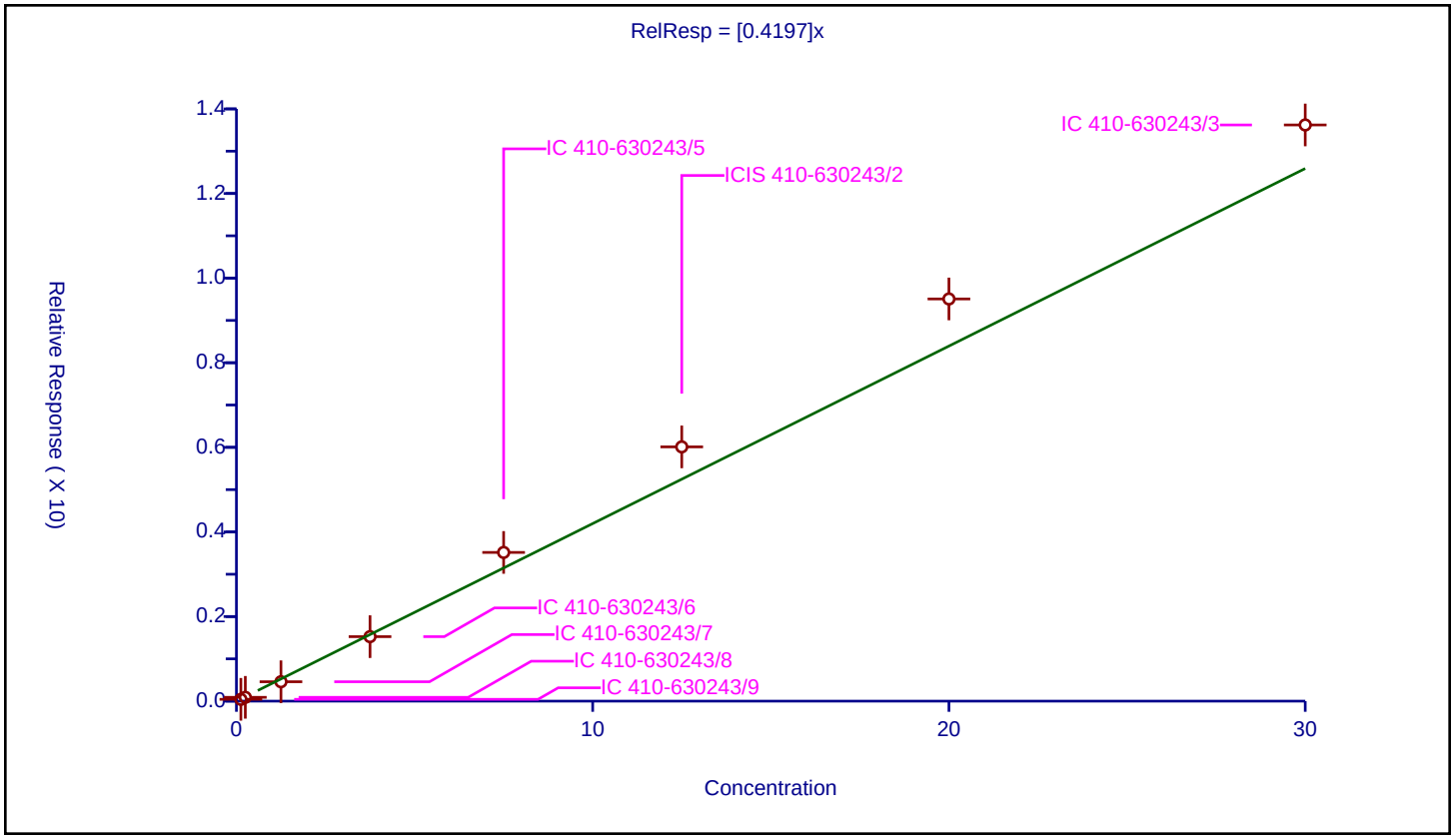
Curve Coefficients

Intercept:	0
Slope:	0.4197

Error Coefficients

Relative Standard Deviation:	13.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.042917	5.0	986084.0	0.343338	Y
2	IC 410-630243/8	0.25	0.090472	5.0	806600.0	0.361889	Y
3	IC 410-630243/7	1.25	0.458622	5.0	810624.0	0.366898	Y
4	IC 410-630243/6	3.75	1.524252	5.0	815410.0	0.406467	Y
5	IC 410-630243/5	7.5	3.515217	5.0	741758.0	0.468696	Y
6	ICIS 410-630243/2	12.5	6.010514	5.0	750133.0	0.480841	Y
7	IC 410-630243/4	20.0	9.507005	5.0	765515.0	0.47535	Y
8	IC 410-630243/3	30.0	13.620238	5.0	768419.0	0.454008	Y



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Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

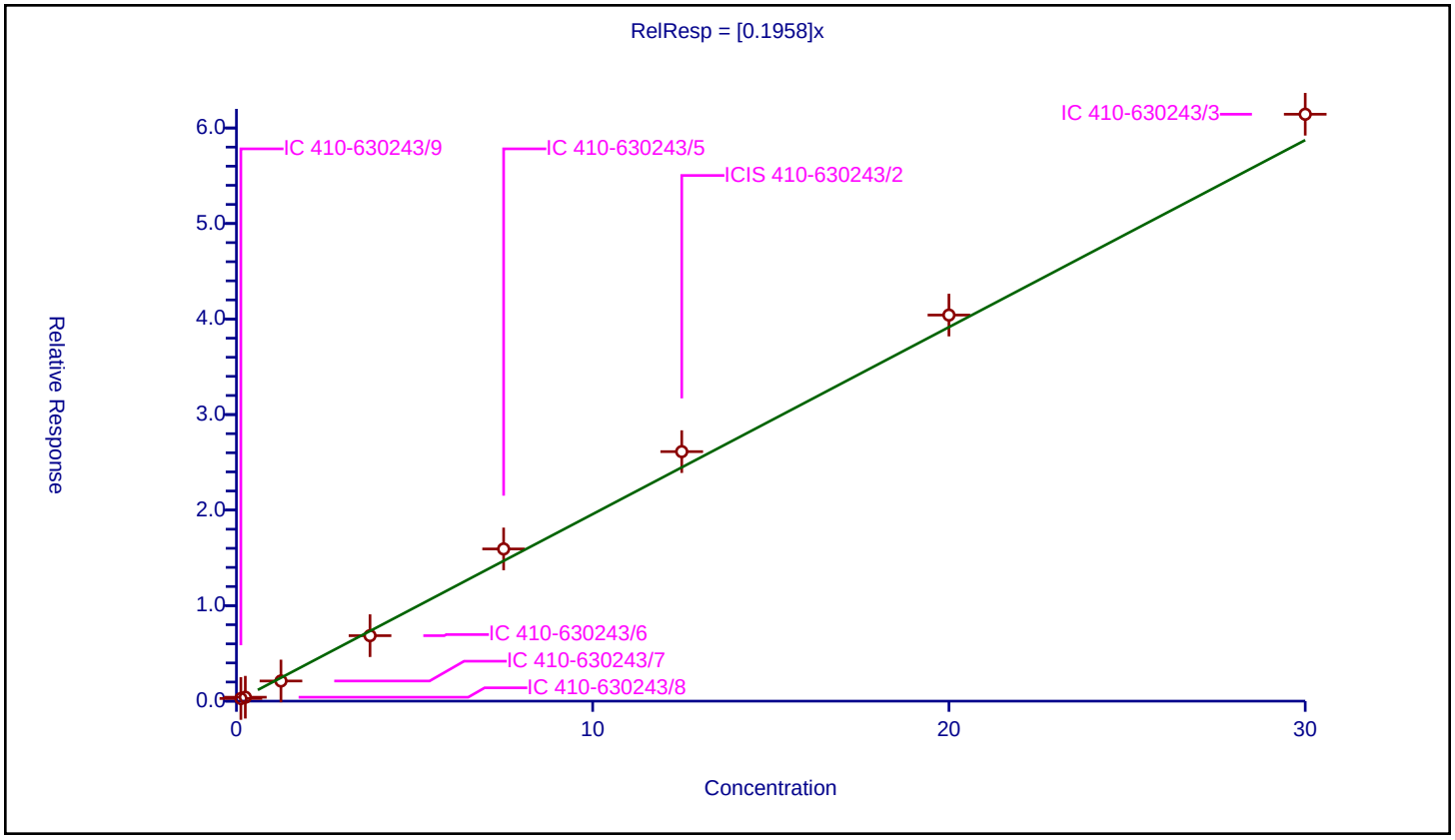
Curve Coefficients

Intercept:	0
Slope:	0.1958

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.027751	5.0	986084.0	0.222009	Y
2	IC 410-630243/8	0.25	0.041067	5.0	806600.0	0.16427	Y
3	IC 410-630243/7	1.25	0.21106	5.0	810624.0	0.168848	Y
4	IC 410-630243/6	3.75	0.68541	5.0	815410.0	0.182776	Y
5	IC 410-630243/5	7.5	1.593215	5.0	741758.0	0.212429	Y
6	ICIS 410-630243/2	12.5	2.61203	5.0	750133.0	0.208962	Y
7	IC 410-630243/4	20.0	4.041763	5.0	765515.0	0.202088	Y
8	IC 410-630243/3	30.0	6.143849	5.0	768419.0	0.204795	Y



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Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

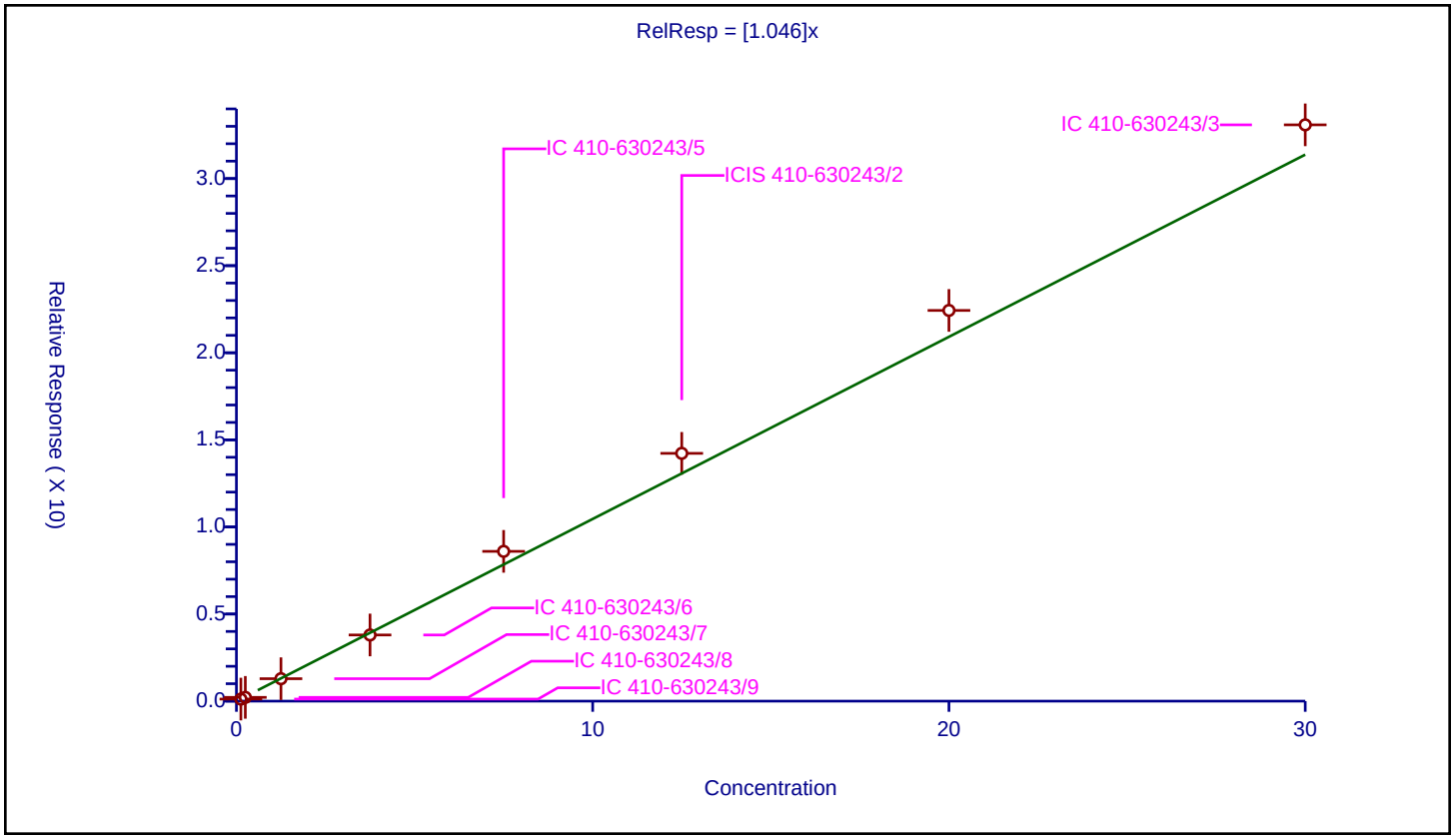
Curve Coefficients

Intercept:	0
Slope:	1.046

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.118935	5.0	986084.0	0.951481	Y
2	IC 410-630243/8	0.25	0.215658	5.0	806600.0	0.862633	Y
3	IC 410-630243/7	1.25	1.287773	5.0	810624.0	1.030219	Y
4	IC 410-630243/6	3.75	3.798169	5.0	815410.0	1.012845	Y
5	IC 410-630243/5	7.5	8.599065	5.0	741758.0	1.146542	Y
6	ICIS 410-630243/2	12.5	14.225424	5.0	750133.0	1.138034	Y
7	IC 410-630243/4	20.0	22.429195	5.0	765515.0	1.12146	Y
8	IC 410-630243/3	30.0	33.083448	5.0	768419.0	1.102782	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

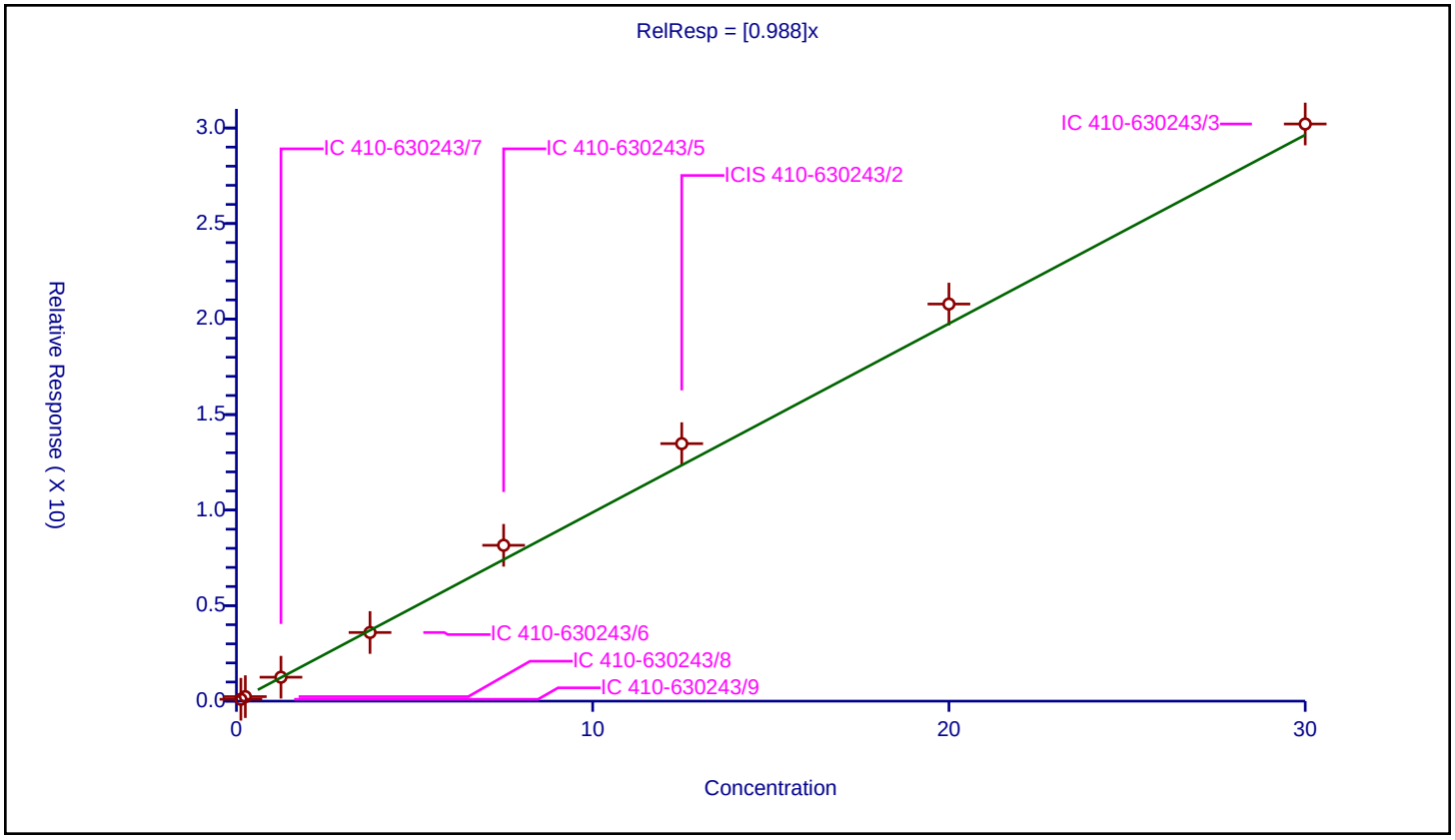
Curve Coefficients

Intercept:	0
Slope:	0.988

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.098181	5.0	986084.0	0.78545	Y
2	IC 410-630243/8	0.25	0.236406	5.0	806600.0	0.945624	Y
3	IC 410-630243/7	1.25	1.252862	5.0	810624.0	1.00229	Y
4	IC 410-630243/6	3.75	3.592916	5.0	815410.0	0.958111	Y
5	IC 410-630243/5	7.5	8.157236	5.0	741758.0	1.087631	Y
6	ICIS 410-630243/2	12.5	13.478643	5.0	750133.0	1.078291	Y
7	IC 410-630243/4	20.0	20.785021	5.0	765515.0	1.039251	Y
8	IC 410-630243/3	30.0	30.209118	5.0	768419.0	1.006971	Y



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Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

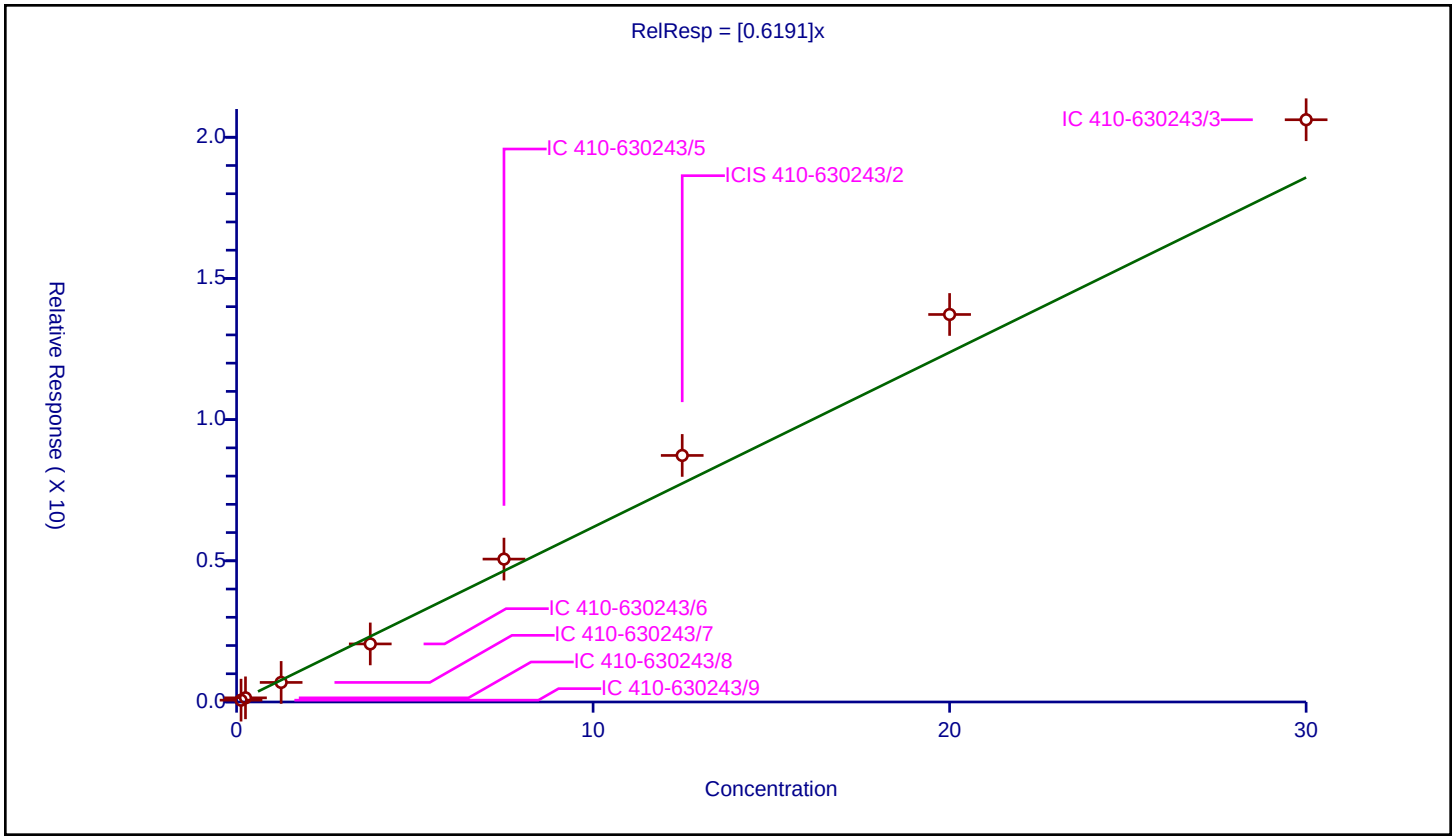
Curve Coefficients

Intercept:	0
Slope:	0.6191

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.064553	5.0	986084.0	0.516427	Y
2	IC 410-630243/8	0.25	0.146925	5.0	806600.0	0.587701	Y
3	IC 410-630243/7	1.25	0.692362	5.0	810624.0	0.553889	Y
4	IC 410-630243/6	3.75	2.056511	5.0	815410.0	0.548403	Y
5	IC 410-630243/5	7.5	5.060606	5.0	741758.0	0.674747	Y
6	ICIS 410-630243/2	12.5	8.730958	5.0	750133.0	0.698477	Y
7	IC 410-630243/4	20.0	13.723683	5.0	765515.0	0.686184	Y
8	IC 410-630243/3	30.0	20.619948	5.0	768419.0	0.687332	Y



Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

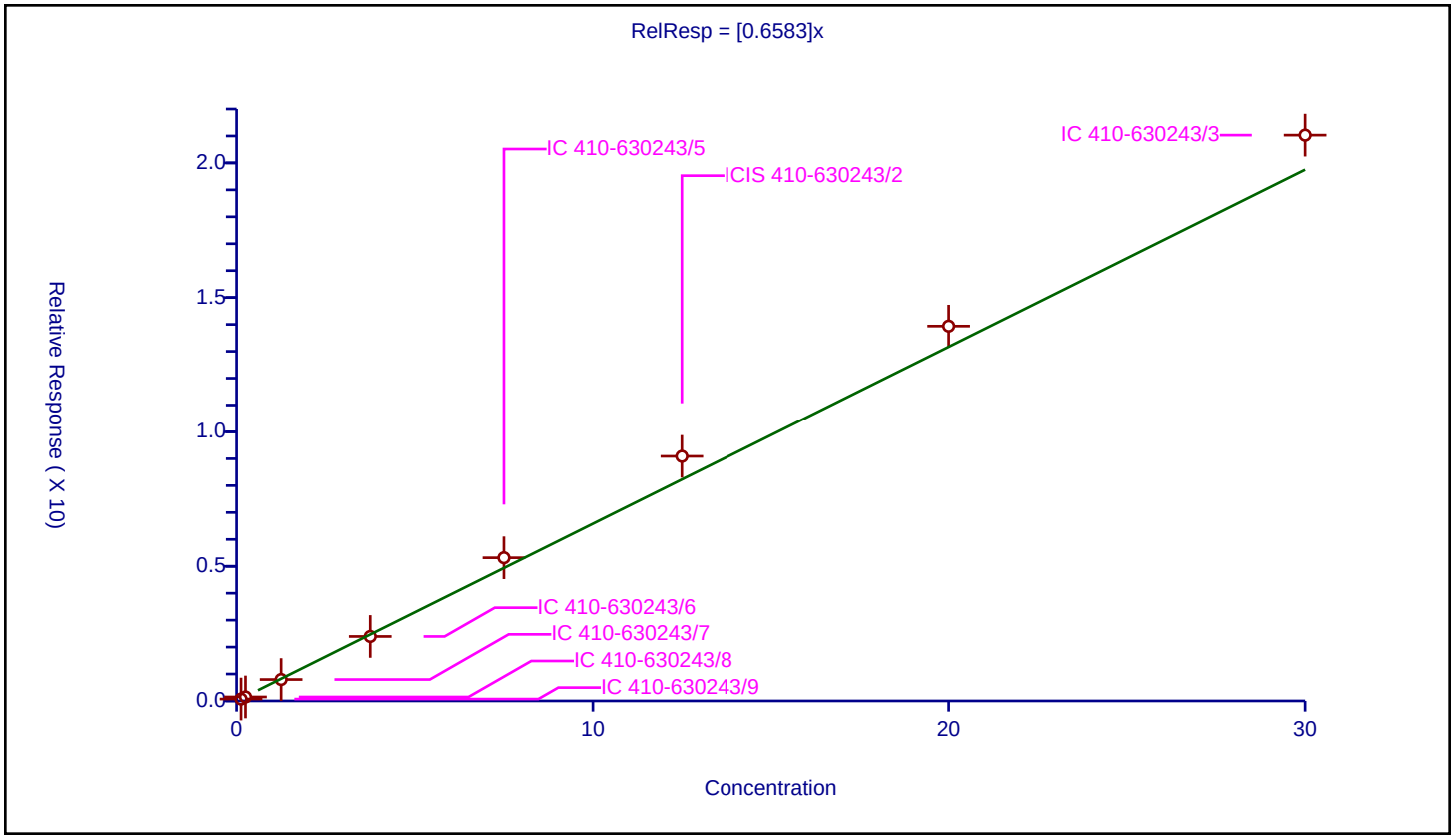
Curve Coefficients

Intercept:	0
Slope:	0.6583

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.070826	5.0	986084.0	0.566605	Y
2	IC 410-630243/8	0.25	0.147793	5.0	806600.0	0.591173	Y
3	IC 410-630243/7	1.25	0.79511	5.0	810624.0	0.636088	Y
4	IC 410-630243/6	3.75	2.394728	5.0	815410.0	0.638594	Y
5	IC 410-630243/5	7.5	5.318096	5.0	741758.0	0.709079	Y
6	ICIS 410-630243/2	12.5	9.089495	5.0	750133.0	0.72716	Y
7	IC 410-630243/4	20.0	13.937447	5.0	765515.0	0.696872	Y
8	IC 410-630243/3	30.0	21.031046	5.0	768419.0	0.701035	Y



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Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

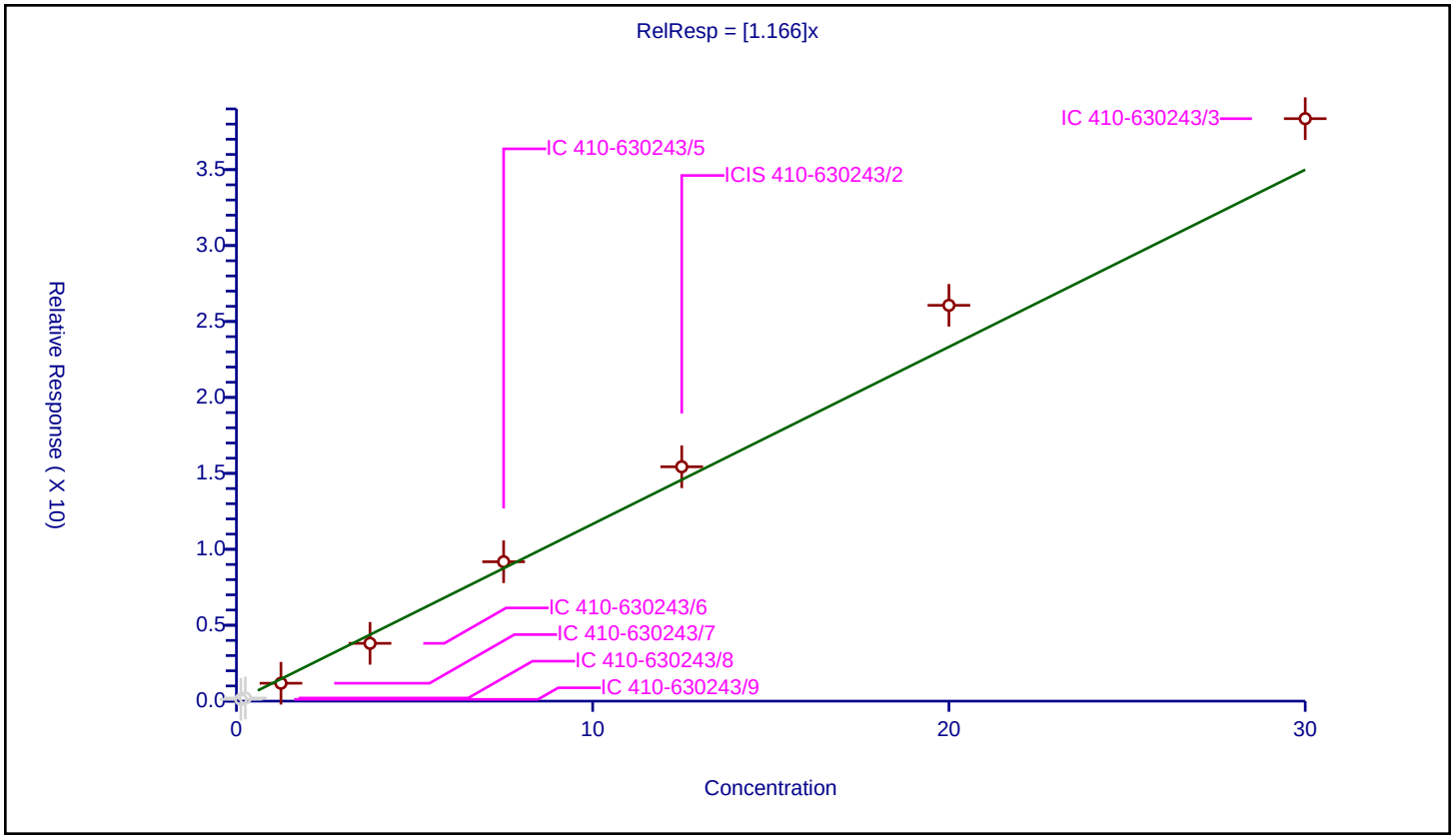
Curve Coefficients

Intercept:	0
Slope:	1.166

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.118948	5.0	727332.0	0.951587	N
2	IC 410-630243/8	0.25	0.206551	5.0	653641.0	0.826203	N
3	IC 410-630243/7	1.25	1.178881	5.0	702645.0	0.943105	Y
4	IC 410-630243/6	3.75	3.807152	5.0	701749.0	1.01524	Y
5	IC 410-630243/5	7.5	9.179331	5.0	655441.0	1.223911	Y
6	ICIS 410-630243/2	12.5	15.433192	5.0	678187.0	1.234655	Y
7	IC 410-630243/4	20.0	26.064396	5.0	662390.0	1.30322	Y
8	IC 410-630243/3	30.0	38.356729	5.0	691298.0	1.278558	Y



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Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

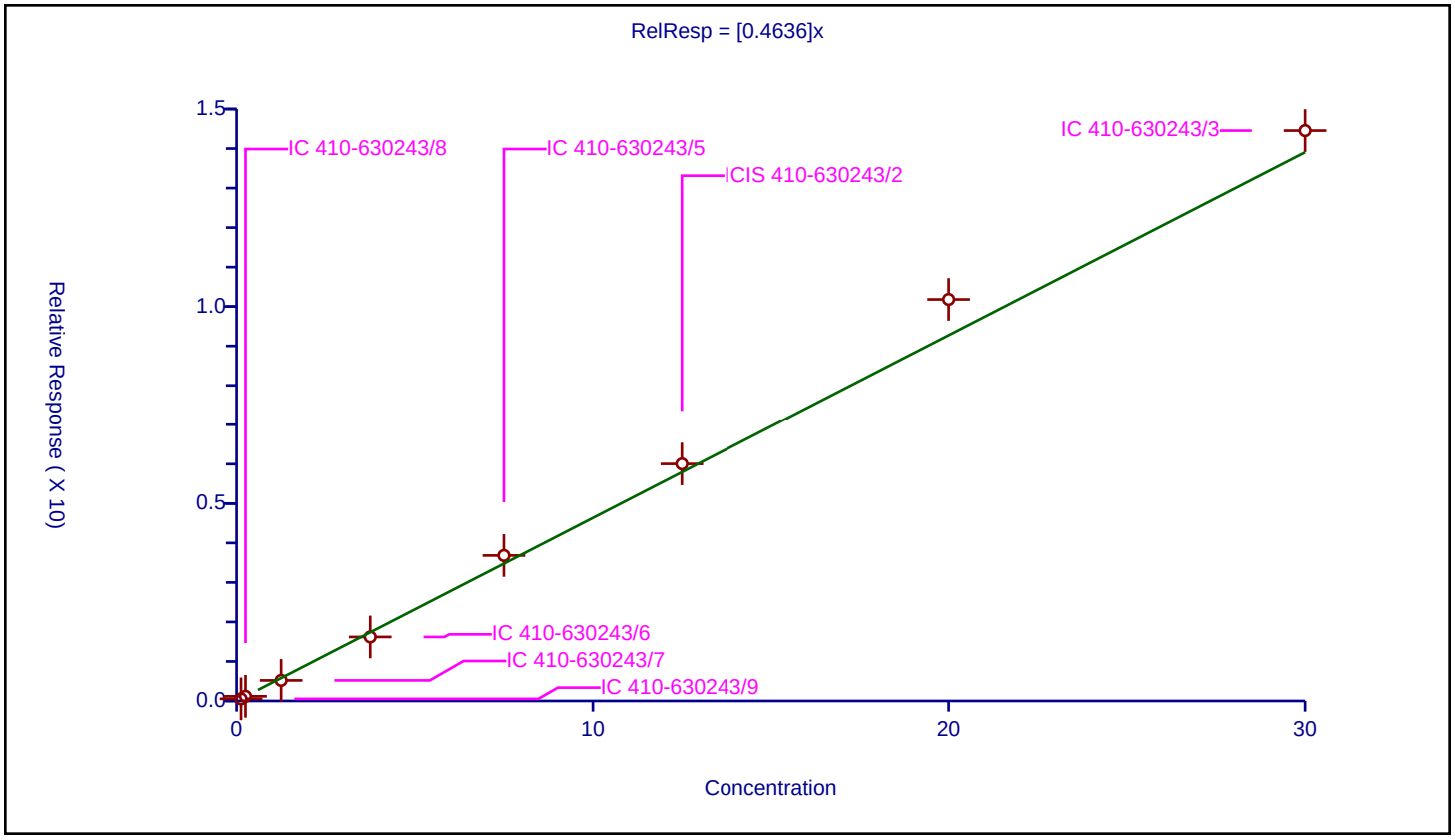
Curve Coefficients

Intercept:	0
Slope:	0.4636

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.053408	5.0	727332.0	0.42726	Y
2	IC 410-630243/8	0.25	0.117542	5.0	653641.0	0.470166	Y
3	IC 410-630243/7	1.25	0.520747	5.0	702645.0	0.416597	Y
4	IC 410-630243/6	3.75	1.620615	5.0	701749.0	0.432164	Y
5	IC 410-630243/5	7.5	3.683581	5.0	655441.0	0.491144	Y
6	ICIS 410-630243/2	12.5	6.004598	5.0	678187.0	0.480368	Y
7	IC 410-630243/4	20.0	10.18037	5.0	662390.0	0.509018	Y
8	IC 410-630243/3	30.0	14.454823	5.0	691298.0	0.481827	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

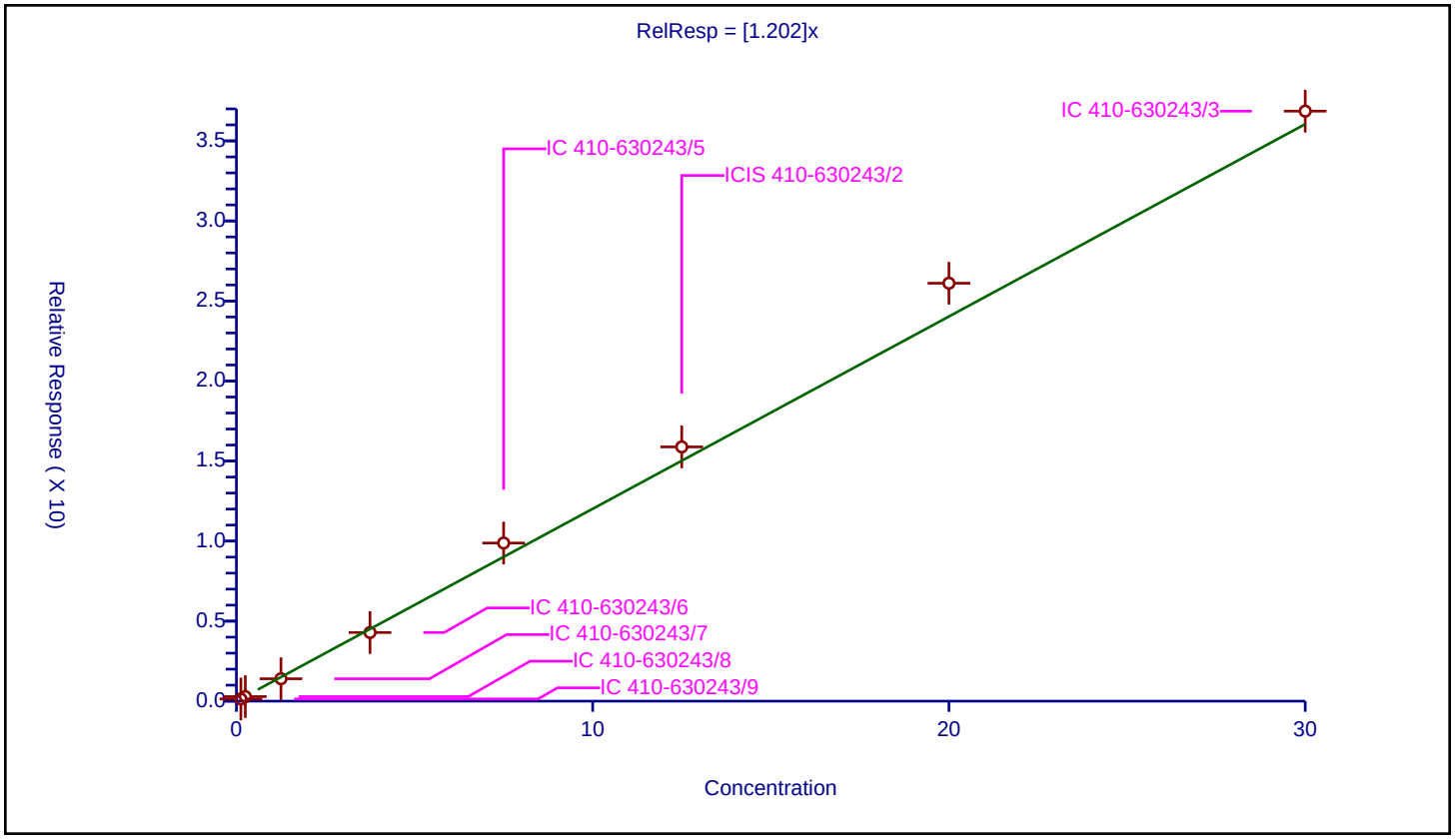
Curve Coefficients

Intercept:	0
Slope:	1.202

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.136966	5.0	727332.0	1.095731	Y
2	IC 410-630243/8	0.25	0.283122	5.0	653641.0	1.132487	Y
3	IC 410-630243/7	1.25	1.398238	5.0	702645.0	1.11859	Y
4	IC 410-630243/6	3.75	4.289076	5.0	701749.0	1.143754	Y
5	IC 410-630243/5	7.5	9.878708	5.0	655441.0	1.317161	Y
6	ICIS 410-630243/2	12.5	15.883576	5.0	678187.0	1.270686	Y
7	IC 410-630243/4	20.0	26.108818	5.0	662390.0	1.305441	Y
8	IC 410-630243/3	30.0	36.858157	5.0	691298.0	1.228605	Y



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Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

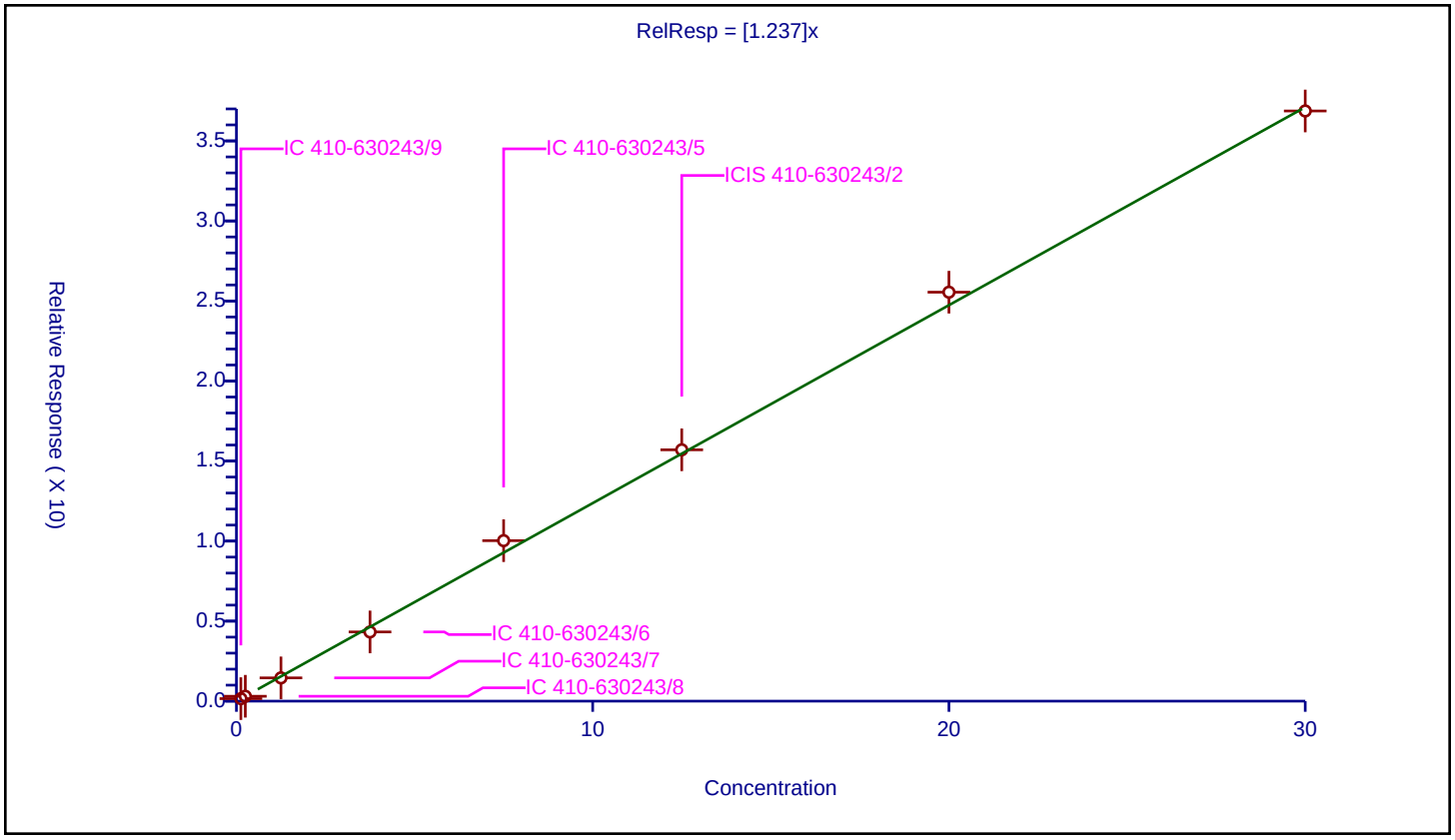
Curve Coefficients

Intercept:	0
Slope:	1.237

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.157713	5.0	727332.0	1.261707	Y
2	IC 410-630243/8	0.25	0.304601	5.0	653641.0	1.218406	Y
3	IC 410-630243/7	1.25	1.453188	5.0	702645.0	1.16255	Y
4	IC 410-630243/6	3.75	4.323383	5.0	701749.0	1.152902	Y
5	IC 410-630243/5	7.5	10.02541	5.0	655441.0	1.336721	Y
6	ICIS 410-630243/2	12.5	15.701857	5.0	678187.0	1.256149	Y
7	IC 410-630243/4	20.0	25.548567	5.0	662390.0	1.277428	Y
8	IC 410-630243/3	30.0	36.870669	5.0	691298.0	1.229022	Y



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Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

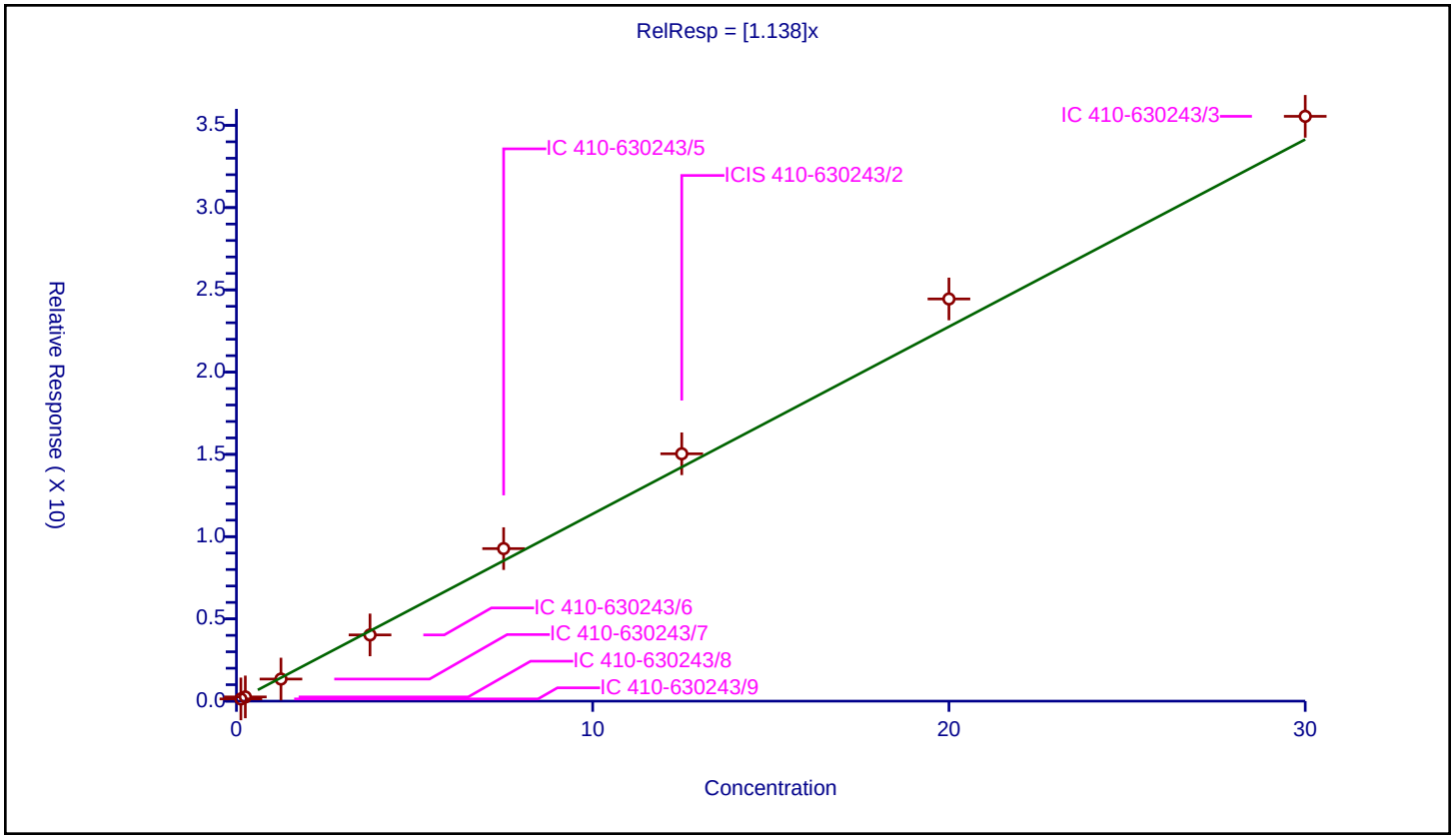
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.135901	5.0	727332.0	1.087206	Y
2	IC 410-630243/8	0.25	0.255989	5.0	653641.0	1.023957	Y
3	IC 410-630243/7	1.25	1.342449	5.0	702645.0	1.073959	Y
4	IC 410-630243/6	3.75	4.025057	5.0	701749.0	1.073349	Y
5	IC 410-630243/5	7.5	9.271132	5.0	655441.0	1.236151	Y
6	ICIS 410-630243/2	12.5	15.035521	5.0	678187.0	1.202842	Y
7	IC 410-630243/4	20.0	24.447425	5.0	662390.0	1.222371	Y
8	IC 410-630243/3	30.0	35.549003	5.0	691298.0	1.184967	Y



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Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

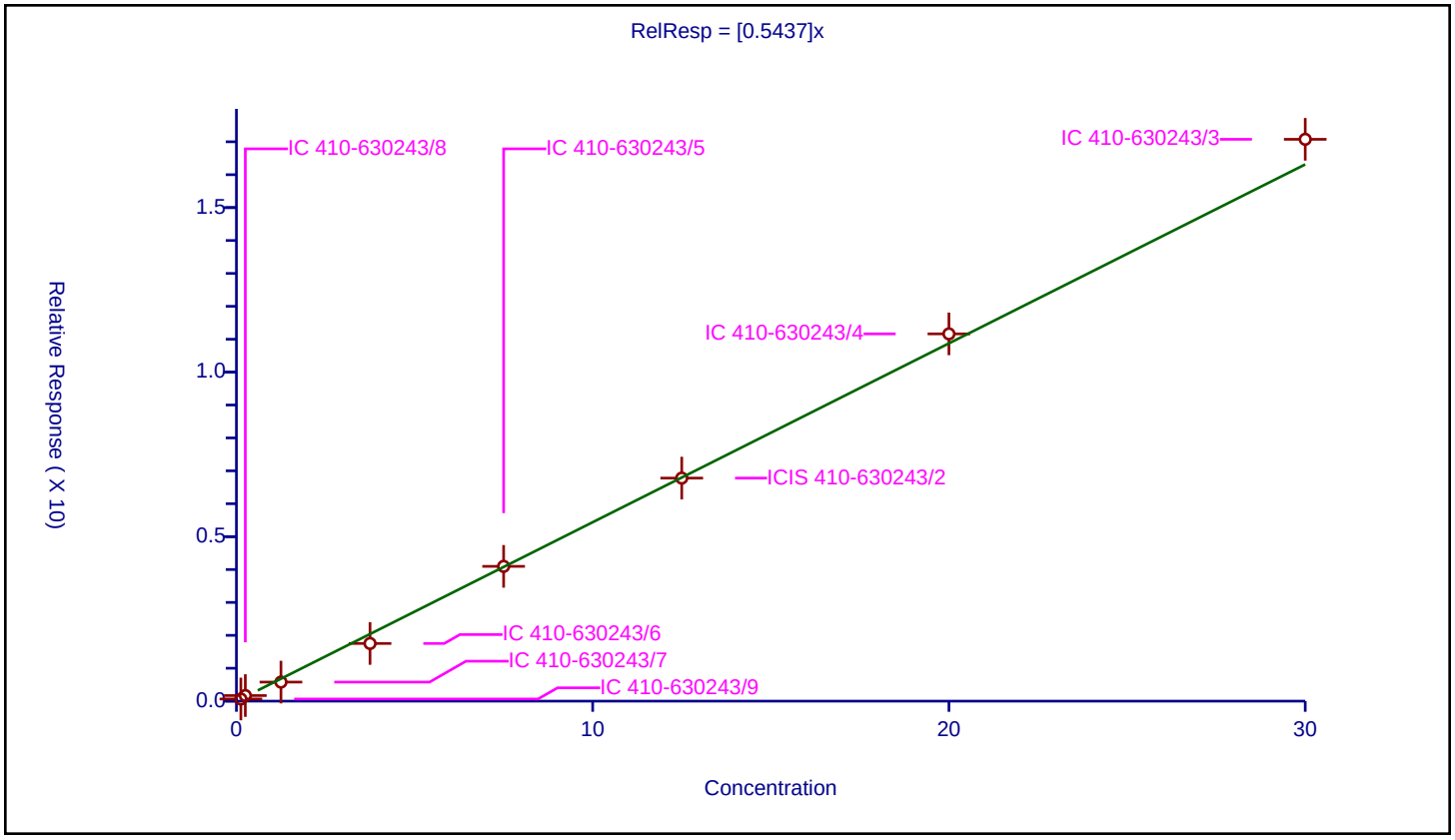
Curve Coefficients

Intercept:	0
Slope:	0.5437

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.065431	5.0	727332.0	0.523447	Y
2	IC 410-630243/8	0.25	0.169925	5.0	653641.0	0.6797	Y
3	IC 410-630243/7	1.25	0.579503	5.0	702645.0	0.463603	Y
4	IC 410-630243/6	3.75	1.752706	5.0	701749.0	0.467388	Y
5	IC 410-630243/5	7.5	4.096059	5.0	655441.0	0.546141	Y
6	ICIS 410-630243/2	12.5	6.778639	5.0	678187.0	0.542291	Y
7	IC 410-630243/4	20.0	11.162329	5.0	662390.0	0.558116	Y
8	IC 410-630243/3	30.0	17.075212	5.0	691298.0	0.569174	Y



Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

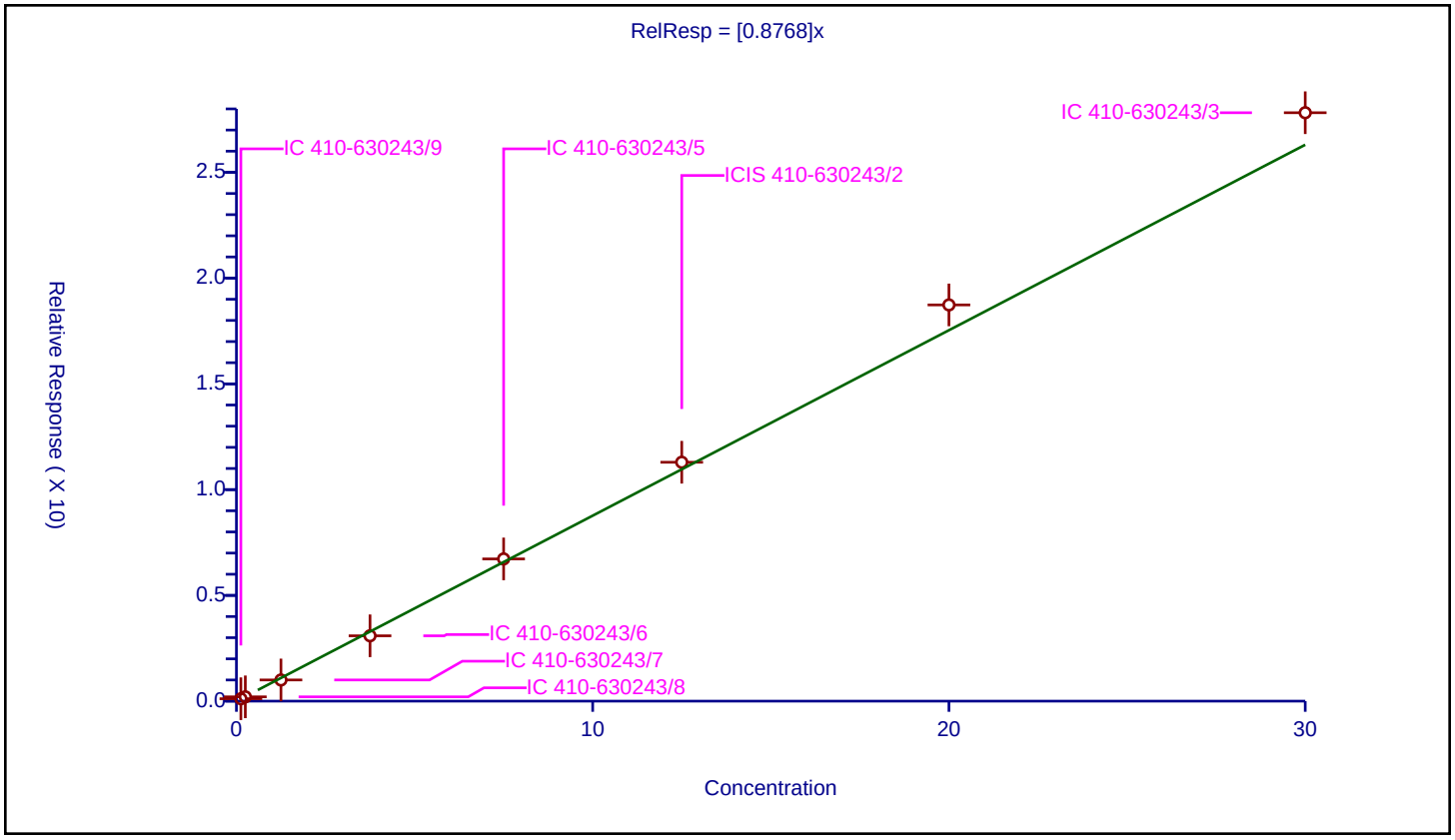
Curve Coefficients

Intercept:	0
Slope:	0.8768

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.113985	5.0	727332.0	0.911881	Y
2	IC 410-630243/8	0.25	0.203445	5.0	653641.0	0.81378	Y
3	IC 410-630243/7	1.25	1.001046	5.0	702645.0	0.800837	Y
4	IC 410-630243/6	3.75	3.089894	5.0	701749.0	0.823972	Y
5	IC 410-630243/5	7.5	6.723801	5.0	655441.0	0.896507	Y
6	ICIS 410-630243/2	12.5	11.294083	5.0	678187.0	0.903527	Y
7	IC 410-630243/4	20.0	18.732627	5.0	662390.0	0.936631	Y
8	IC 410-630243/3	30.0	27.818589	5.0	691298.0	0.927286	Y



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Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

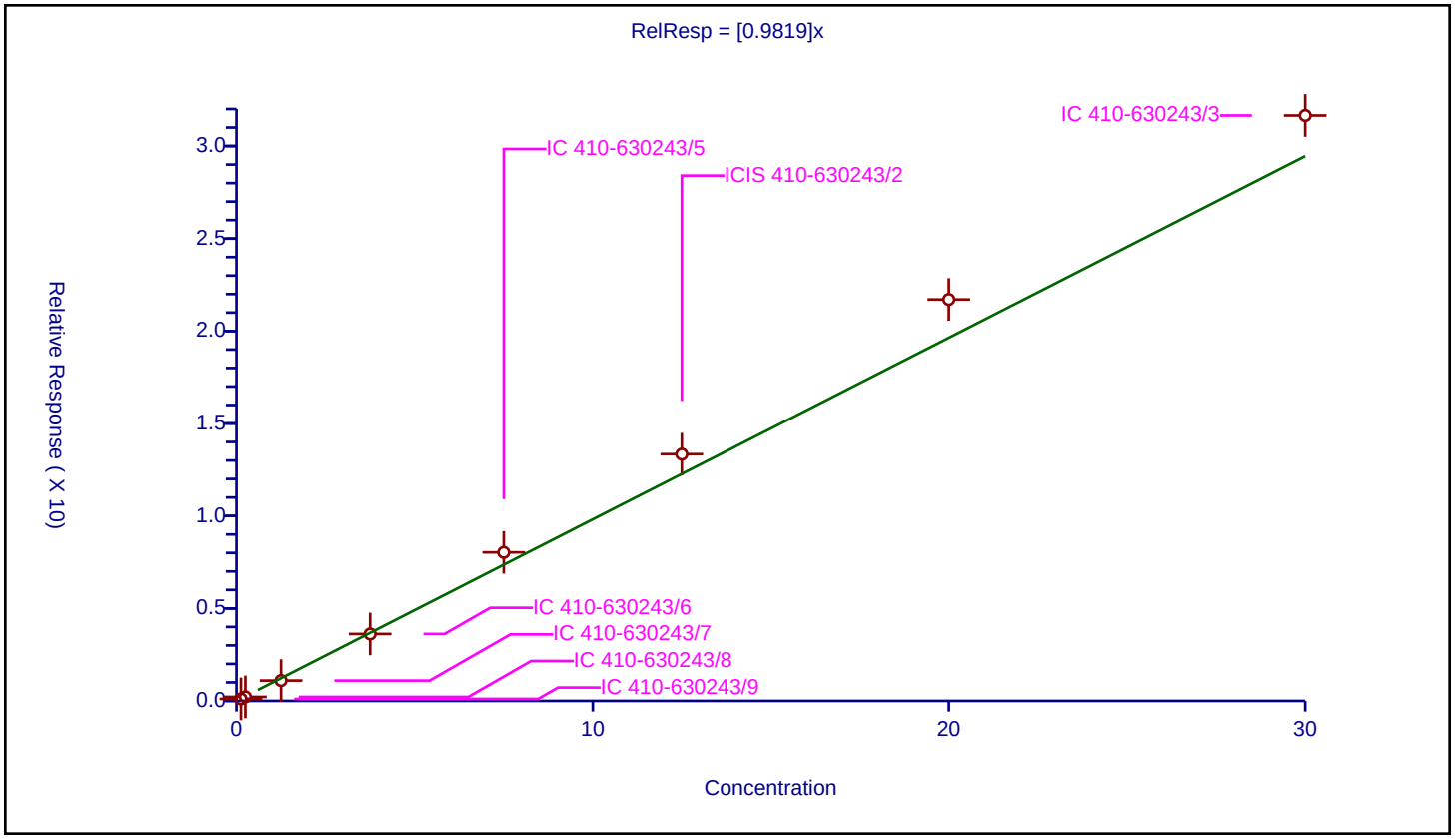
Curve Coefficients

Intercept:	0
Slope:	0.9819

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.108424	5.0	727332.0	0.867389	Y
2	IC 410-630243/8	0.25	0.216357	5.0	653641.0	0.865429	Y
3	IC 410-630243/7	1.25	1.098186	5.0	702645.0	0.878549	Y
4	IC 410-630243/6	3.75	3.61977	5.0	701749.0	0.965272	Y
5	IC 410-630243/5	7.5	8.031577	5.0	655441.0	1.070877	Y
6	ICIS 410-630243/2	12.5	13.340996	5.0	678187.0	1.06728	Y
7	IC 410-630243/4	20.0	21.708027	5.0	662390.0	1.085401	Y
8	IC 410-630243/3	30.0	31.650757	5.0	691298.0	1.055025	Y



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Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

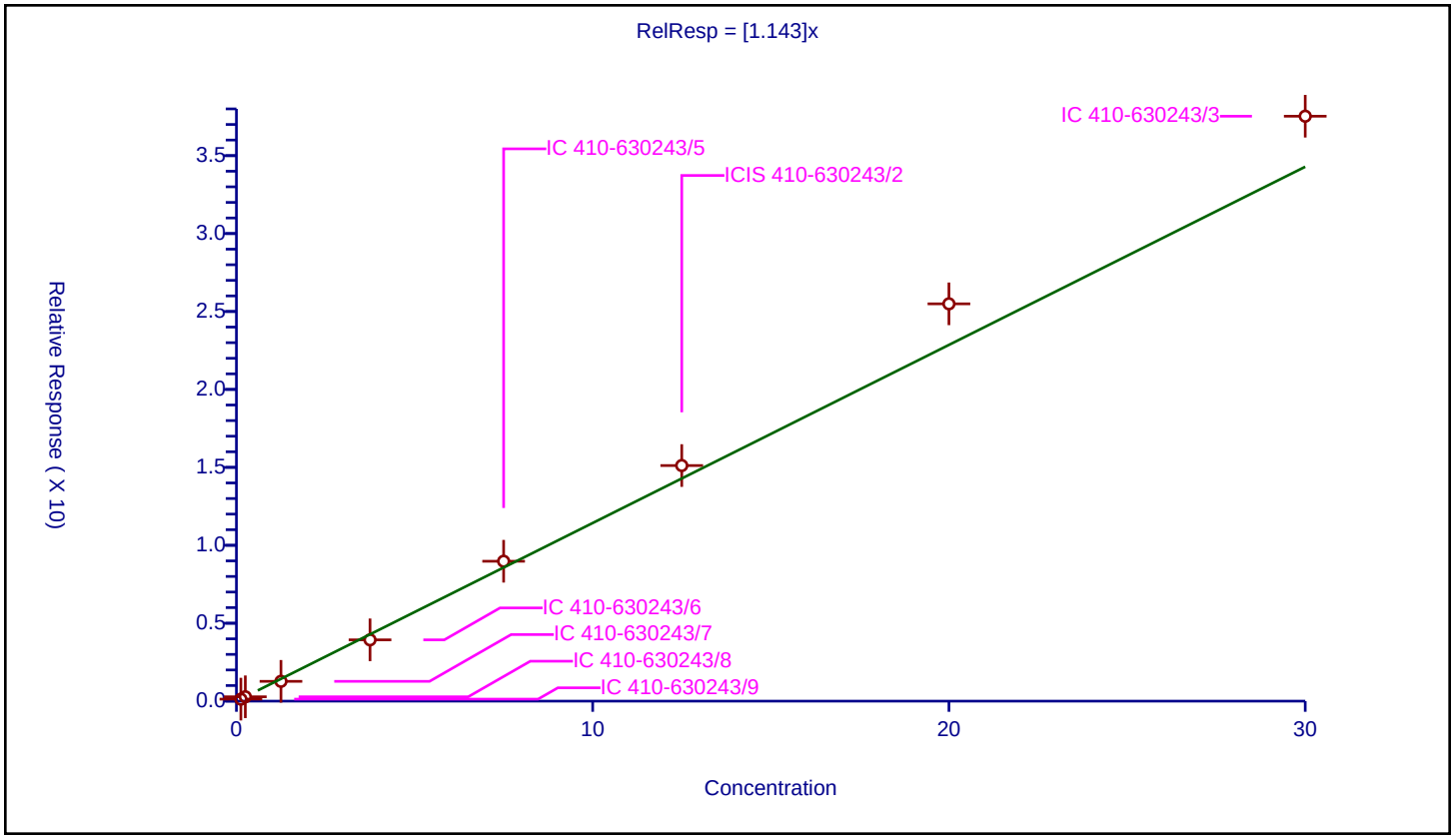
Curve Coefficients

Intercept:	0
Slope:	1.143

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.128366	5.0	727332.0	1.026931	Y
2	IC 410-630243/8	0.25	0.27984	5.0	653641.0	1.119361	Y
3	IC 410-630243/7	1.25	1.270407	5.0	702645.0	1.016325	Y
4	IC 410-630243/6	3.75	3.933258	5.0	701749.0	1.048869	Y
5	IC 410-630243/5	7.5	8.975949	5.0	655441.0	1.196793	Y
6	ICIS 410-630243/2	12.5	15.116111	5.0	678187.0	1.209289	Y
7	IC 410-630243/4	20.0	25.493365	5.0	662390.0	1.274668	Y
8	IC 410-630243/3	30.0	37.530689	5.0	691298.0	1.251023	Y



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Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

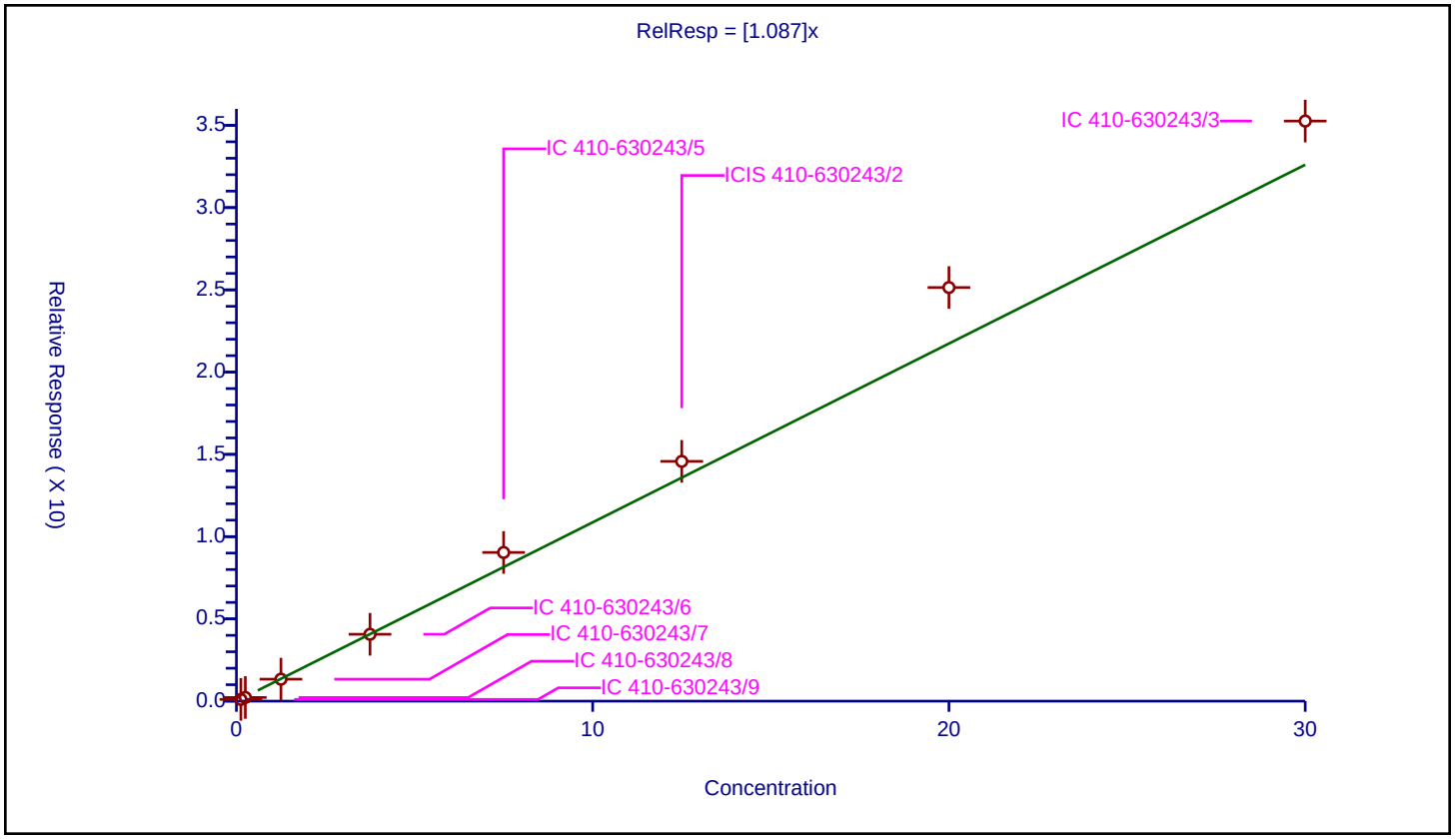
Curve Coefficients

Intercept:	0
Slope:	1.087

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.10643	5.0	727332.0	0.851441	Y
2	IC 410-630243/8	0.25	0.222102	5.0	653641.0	0.888408	Y
3	IC 410-630243/7	1.25	1.334287	5.0	702645.0	1.067429	Y
4	IC 410-630243/6	3.75	4.064003	5.0	701749.0	1.083734	Y
5	IC 410-630243/5	7.5	9.037091	5.0	655441.0	1.204945	Y
6	ICIS 410-630243/2	12.5	14.575066	5.0	678187.0	1.166005	Y
7	IC 410-630243/4	20.0	25.141329	5.0	662390.0	1.257066	Y
8	IC 410-630243/3	30.0	35.260597	5.0	691298.0	1.175353	Y



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Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

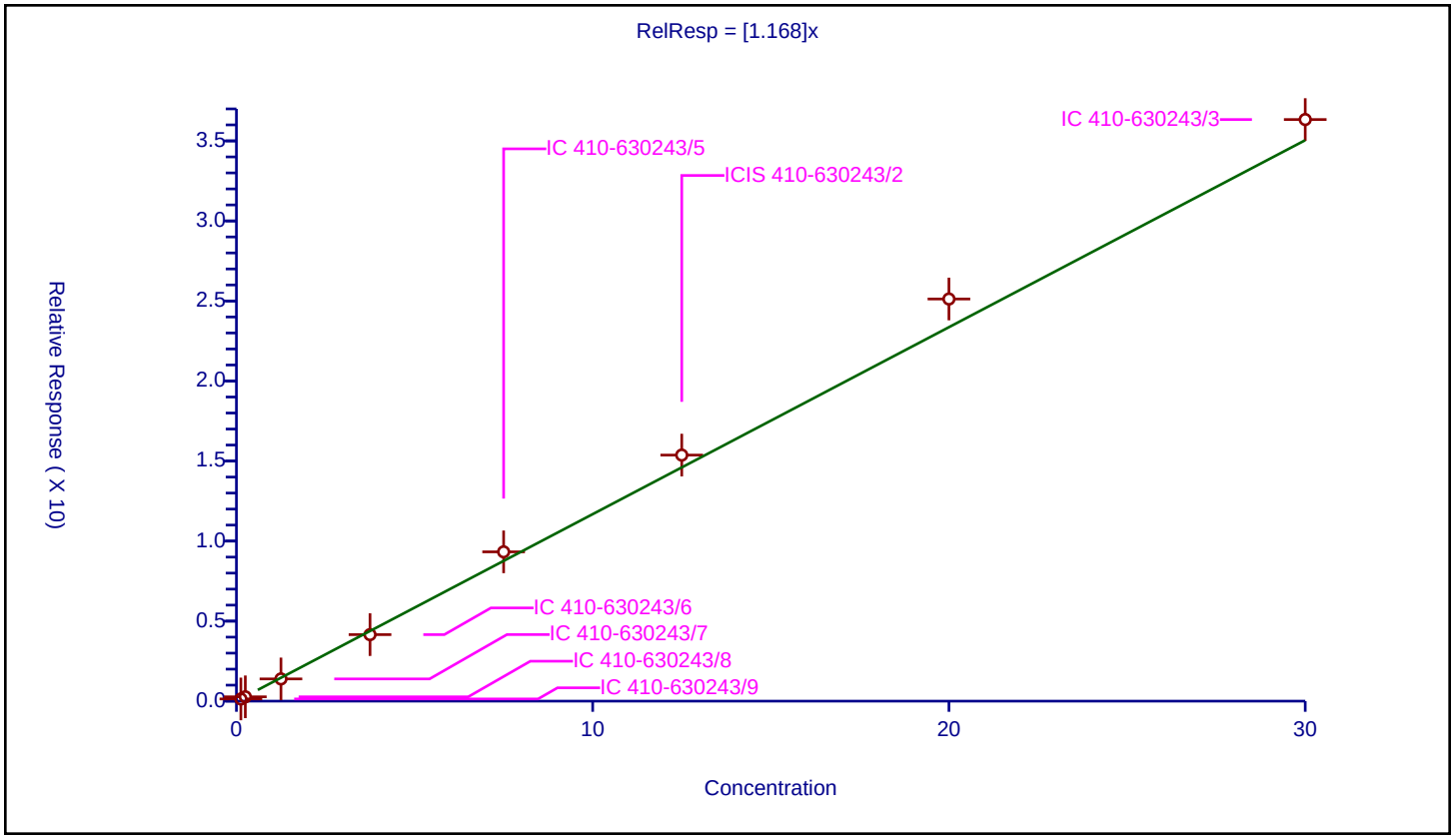
Curve Coefficients

Intercept:	0
Slope:	1.168

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-630243/9	0.125	0.137743	5.0	727332.0	1.101945	Y
2	IC 410-630243/8	0.25	0.270921	5.0	653641.0	1.083684	Y
3	IC 410-630243/7	1.25	1.388034	5.0	702645.0	1.110427	Y
4	IC 410-630243/6	3.75	4.155403	5.0	701749.0	1.108108	Y
5	IC 410-630243/5	7.5	9.327254	5.0	655441.0	1.243634	Y
6	ICIS 410-630243/2	12.5	15.372759	5.0	678187.0	1.229821	Y
7	IC 410-630243/4	20.0	25.123409	5.0	662390.0	1.25617	Y
8	IC 410-630243/3	30.0	36.334953	5.0	691298.0	1.211165	Y



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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.7845	+++++ 0.7040	0.8503 0.6856	0.7174	0.7099	Ave		0.7420				8.5		20.0			
N-Nitrosodimethylamine	1.3302 1.3418	1.2505 1.2298	1.0324 1.2787	1.0972	1.1875	Ave		1.2185				8.9		20.0			
Pyridine	2.3282 2.2062	1.7701 2.0081	1.8161 2.0584	1.7548	1.9947	Ave		1.9921				10.4		20.0			
N,N-dimethylformamide	+++++ 1.5214	+++++ 1.3587	1.0011 1.5290	1.3541	1.3717	Ave		1.3560				14.1		20.0			
2-Picoline	+++++ 2.0956	+++++ 1.7917	1.7184 1.8814	1.5792	1.8456	Ave		1.8187				9.5		20.0			
N-Nitrosomethylethylamine	+++++ 0.8845	+++++ 0.7886	0.8367 0.7992	0.7453	0.8434	Ave		0.8163				6.0		20.0			
Methyl methanesulfonate	1.3828 1.4412	1.2893 1.2120	1.2385 1.2669	1.1921	1.3024	Ave		1.2907				6.6		20.0			
N-Nitrosodiethylamine	0.5622 0.8122	0.8011 0.7584	0.7140 0.8038	0.6493	0.7646	Ave		0.7332				12.0		20.0			
Ethyl methanesulfonate	0.7338 0.8387	0.7523 0.7892	0.8190 0.8025	0.7361	0.7860	Ave		0.7822				4.9		20.0			
Benzaldehyde	1.6621 1.9114	1.8853 +++++	1.5861 +++++	1.5813	1.8360	Ave		1.7437			0.0100	8.7		20.0			
Phenol	2.2281 2.5126	2.2536 2.5206	2.2119 2.6531	1.9055	2.3849	Ave		2.3338			0.8000	10.1		20.0			
Aniline	2.1501 3.0559	2.0915 2.8403	2.3704 2.9444	2.4785	2.6998	Ave		2.5789				14.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.8396 1.8136	1.7667 1.6442	1.7424 1.6776	1.4994	1.6314	Ave		1.7019			0.7000	6.6		20.0			
2-Chlorophenol	1.5509 1.5115	1.0322 1.3816	1.1978 1.4355	1.2899	1.4134	Ave		1.3516			0.8000	12.7		20.0			
1,3-Dichlorobenzene	1.8877 1.6554	1.1092 1.5231	1.4477 1.5651	1.4491	1.4957	Ave		1.5166				14.4		20.0			
1,4-Dichlorobenzene	2.0119 1.7033	1.5031 1.5515	1.4968 1.5573	1.4204	1.5727	Ave		1.6021				11.5		20.0			
Benzyl alcohol	+++++ 1.2527	0.7860 1.1550	1.1128 1.2005	1.0174	1.1180	Ave		1.0918				14.1		20.0			
1,2-Dichlorobenzene	1.5865 1.6265	1.2550 1.4964	1.3523 1.5106	1.4188	1.4883	Ave		1.4668				8.3		20.0			
2-Methylphenol	+++++ 1.7550	1.0013 1.5935	1.4155 1.6212	1.3932	1.6305	Ave		1.4872			0.7000	16.7		20.0			
2,2'-oxybis[1-chloropropane]	2.5929 2.0579	1.6879 1.8694	1.8013 1.8851	1.7717	1.8662	Ave		1.9415			0.0100	14.6		20.0			
N-Nitrosopyrrolidine	0.8751 0.9334	1.0428 0.9039	0.7539 0.9097	0.8149	0.9104	Ave		0.8930				9.5		20.0			
N-Nitrosodi-n-propylamine	1.6305 1.7690	1.4354 1.6505	1.4195 1.6685	1.4676	1.6364	Ave		1.5847			0.5000	8.0		20.0			
Acetophenone	2.4466 2.9558	2.4143 2.7016	2.5096 2.7783	2.4668	2.6078	Ave		2.6101			0.0100	7.3		20.0			
3,4-Methylphenol	1.4826 1.9665	1.4935 1.6393	1.6630 1.9228	1.4222	1.8015	Ave		1.6739			0.6000	12.3		20.0			
N-Nitrosomorpholine	+++++ 1.2472	1.2914 1.2353	1.1238 1.2662	1.0159	1.2000	Ave		1.1971				8.1		20.0			
2-Toluidine	2.5829 2.8428	2.5761 2.4958	2.2228 2.5985	2.3024	2.5187	Ave		2.5175				7.6		20.0			
Hexachloroethane	1.0169 0.8571	0.6356 0.7652	0.8057 0.7842	0.6802	0.7658	Ave		0.7888			0.3000	14.6		20.0			
Nitrobenzene	0.5000 0.6377	0.6071 0.6318	0.6424 0.6504	0.5958	0.6322	Ave		0.6122			0.2000	8.0		20.0			
N-Nitrosopiperidine	0.2120 0.2045	0.2203 0.1942	0.1989 0.2002	0.1706	0.1892	Ave		0.1987				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	1.0179 1.1131	0.9980 1.1316	1.0661 1.1191	1.0196	1.0841	Ave		1.0687			0.4000	4.8		20.0			
2-Nitrophenol	0.2525 0.2079	0.1652 0.2034	0.2156 0.2034	0.1873	0.2005	Ave		0.2045			0.1000	12.1		20.0			
2,4-Dimethylphenol	0.3849 0.5213	0.4196 0.5215	0.4542 0.5293	0.4761	0.4988	Ave		0.4757			0.2000	11.1		20.0			
o,o',o''-Triethylphosphorothioate	0.2060 0.1713	0.1545 0.1688	0.1834 0.1757	0.1693	0.1761	Ave		0.1757				8.4		20.0			
Bis(2-chloroethoxy)methane	0.4928 0.6073	0.3948 0.5995	0.5827 0.5772	0.5491	0.5838	Ave		0.5484			0.3000	13.1		20.0			
2,4-Dichlorophenol	0.2234 0.3289	0.2620 0.3226	0.3015 0.3396	0.2947	0.3330	Ave		0.3007			0.2000	13.4		20.0			
1,2,4-Trichlorobenzene	0.2636 0.3548	0.3705 0.3637	0.3469 0.3619	0.3636	0.3483	Ave		0.3467				10.0		20.0			
Naphthalene	1.0648 1.0979	1.0228 1.0996	1.0714 1.0967	1.0336	1.0503	Ave		1.0671			0.7000	2.8		20.0			
a-Terpineol	0.3027 0.4186	0.3849 0.4216	0.4504 0.4228	0.3883	0.4141	Ave		0.4004				11.1		20.0			
4-Chloroaniline	+++++ 0.4805	0.3215 0.4853	0.4401 0.4949	0.4671	0.4669	Ave		0.4509			0.0100	13.2		20.0			
2,6-Dichlorophenol	0.2366 0.3366	0.3125 0.3291	0.2917 0.3265	0.3147	0.3125	Ave		0.3075				10.3		20.0			
Hexachloropropene	0.3684 0.2683	0.2836 0.2806	0.2563 0.2884	0.2583	0.2685	Ave		0.2840				12.7		20.0			
Hexachlorobutadiene	0.1833 0.2512	0.1819 0.2452	0.2274 0.2437	0.2370	0.2481	Ave		0.2272			0.0100	12.5		20.0			
Quinoline	0.6334 0.7277	0.5352 0.7082	0.7008 0.7053	0.6868	0.6926	Ave		0.6737				9.2		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4599	0.5146 0.4697	0.5506 0.4684	0.4611	0.4774	Ave		0.4859				7.0		20.0			
Caprolactam	+++++ 0.1039	0.1204 0.1122	0.1115 0.1145	0.1044	0.1128	Ave		0.1114			0.0100	5.2		20.0			
1,4-phenylenediamine	+++++ 0.4499	+++++ 0.4245	0.1778 0.4603	0.3168	0.4565	Lin2	-0.371	0.4653							0.9930		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.4149 0.4442	0.3710 0.4471	0.4176 0.4563	0.3947	0.4502	Ave		0.4245			0.2000	7.2		20.0			
Safrole, Total	0.2660 0.2722	0.2993 0.2655	0.2716 0.2747	0.2776	0.2861	Ave		0.2766				4.1		20.0			
2-Methylnaphthalene	0.5903 0.6441	0.5880 0.6530	0.6401 0.6358	0.6029	0.6192	Ave		0.6217			0.4000	4.1		20.0			
1-Methylnaphthalene	0.5958 0.6709	0.5705 0.6650	0.6265 0.6750	0.6383	0.6693	Ave		0.6389				6.1		20.0			
Hexachlorocyclopentadiene	0.6574 0.5960	0.4857 0.5447	0.4791 0.5480	0.5128	0.5503	Ave		0.5467			0.0500	10.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.6381 0.6770	0.5750 0.6395	0.6124 0.6452	0.6422	0.6467	Ave		0.6345			0.0100	4.7		20.0			
Isosafrole Peak 1	+++++ 0.5553	+++++ 0.5184	0.4194 0.5121	0.4807	0.5310	Ave		0.5028				9.5		20.0			
2,4,6-Trichlorophenol	0.3811 0.4340	0.2769 0.4119	0.3897 0.4187	0.3835	0.4144	Ave		0.3888			0.2000	12.6		20.0			
2,4,5-Trichlorophenol	+++++ 0.4943	0.3954 0.4641	0.4316 0.4565	0.4431	0.4544	Ave		0.4485			0.2000	6.8		20.0			
Isosafrole Peak 2	0.7462 0.5904	0.4884 0.5328	0.5945 0.5447	0.5139	0.5654	Ave		0.5720				13.8		20.0			
1,1'-Biphenyl	1.8682 1.6158	1.6192 1.5420	1.6428 1.5681	1.4256	1.5092	Ave		1.5989			0.0100	8.1		20.0			
2-Chloronaphthalene	0.8890 1.3510	0.9594 1.1364	1.1678 1.3092	1.1347	1.2141	Ave		1.1452			0.8000	13.8		20.0			
1-Chloronaphthalene	1.0719 1.0983	1.1730 1.1731	1.0037 1.0036	1.0275	1.1049	Ave		1.0820				6.3		20.0			
Diphenyl ether	0.9172 0.8799	0.8009 0.8206	0.7643 0.8130	0.7513	0.8253	Ave		0.8216				6.7		20.0			
2-Nitroaniline	0.4081 0.4422	0.3965 0.4133	0.4144 0.4270	0.4086	0.3942	Ave		0.4130			0.0100	3.8		20.0			
1,4-Naphthoquinone	0.6210 0.5170	0.4304 0.4790	0.4291 0.4810	0.4534	0.4927	Ave		0.4880				12.7		20.0			
1,4-Dinitrobenzene	+++++ 0.1825	0.1680 0.1685	0.1668 0.1810	0.1660	0.1888	Ave		0.1745				5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.5166 1.5625	1.4744 1.4782	1.4415 1.4674	1.4302	1.4502	Ave		1.4776			0.0100	2.9		20.0			
1,3-Dinitrobenzene	0.1825 0.2143	0.2388 0.2114	0.2141 0.2107	0.2035	0.2088	Ave		0.2105				7.3		20.0			
2,6-Dinitrotoluene	+++++ 0.3274	0.2421 0.3071	0.2885 0.3113	0.3184	0.3104	Ave		0.3007			0.2000	9.5		20.0			
Acenaphthylene	1.8636 1.9403	1.7655 1.8570	1.7576 1.8383	1.7036	1.8647	Ave		1.8238			0.9000	4.2		20.0			
3-Nitroaniline	+++++ 0.3868	0.2769 0.3642	0.2992 0.3695	0.3508	0.3509	Ave		0.3426			0.0100	11.6		20.0			
Acenaphthene	1.4143 1.3353	1.3369 1.2773	1.2006 1.2750	1.1868	1.2619	Ave		1.2860			0.9000	5.8		20.0			
2,4-Dinitrophenol	0.1636 0.2327	0.1750 0.2228	0.1977 0.2289	0.1989	0.2064	Ave		0.2033			0.0100	12.2		20.0			
4-Nitrophenol	+++++ 0.4100	+++++ 0.3704	0.2903 0.3812	0.3244	0.3600	Ave		0.3560			0.0100	12.0		20.0			
Pentachlorobenzene	0.7196 0.5861	0.4726 0.5564	0.5488 0.5530	0.5231	0.5749	Ave		0.5668				12.5		20.0			
2,4-Dinitrotoluene	0.3403 0.4758	0.3989 0.4608	0.4365 0.4574	0.4205	0.4484	Ave		0.4298			0.2000	10.1		20.0			
Dibenzofuran	1.5195 1.8441	1.7724 1.6865	1.5768 1.6655	1.6177	1.7474	Ave		1.6787			0.8000	6.4		20.0			
1-Naphthylamine	1.0661 1.2563	1.0278 1.1760	1.1190 1.2333	1.1187	1.2222	Ave		1.1524				7.2		20.0			
2,3,4,6-Tetrachlorophenol	0.5200 0.4184	0.3137 0.4136	0.3870 0.4074	0.3526	0.4117	Ave		0.4031			0.0100	14.8		20.0			
2-Naphthylamine	1.0983 1.3019	1.3078 1.2127	1.1743 1.2259	1.1467	1.2638	Ave		1.2164				6.1		20.0			
Diethyl phthalate	1.4317 1.6460	1.4634 1.5676	1.5049 1.5653	1.4820	1.5764	Ave		1.5297			0.0100	4.6		20.0			
Thionazin	0.3492 0.2721	0.2203 0.2833	0.2569 0.2790	0.2443	0.2705	Ave		0.2720				13.8		20.0			
Fluorene	1.7320 1.4365	1.4051 1.3363	1.2155 1.3570	1.2970	1.3380	Ave		1.3897			0.9000	11.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl phenyl ether	0.6402 0.6784	0.7462 0.6517	0.5879 0.6440	0.6239	0.6645	Ave		0.6546			0.4000	7.0		20.0			
5-Nitro-o-toluidine	+++++ 0.3969	0.5076 0.3742	0.3394 0.3667	0.3464	0.3685	Ave		0.3857				14.8		20.0			
4-Nitroaniline	+++++ 0.3765	0.3437 0.3528	0.3382 0.3498	0.3389	0.3537	Ave		0.3505			0.0100	3.7		20.0			
4,6-Dinitro-2-methylphenol	0.1310 0.1640	0.1059 0.1599	0.1359 0.1494	0.1343	0.1514	Ave		0.1415			0.0100	13.3		20.0			
N-Nitrosodiphenylamine	0.5508 0.6655	0.5751 0.5884	0.5565 0.5632	0.5914	0.5990	Ave		0.5862			0.0100	6.2		20.0			
1,2-Diphenylhydrazine	1.0608 1.3077	1.0086 1.2118	1.1217 1.1446	1.1497	1.2213	Ave		1.1533				8.2		20.0			
Sulfotepp	0.2300 0.2268	0.1789 0.2125	0.1926 0.2013	0.2112	0.2110	Ave		0.2080				8.1		20.0			
1,3,5-Trinitrobenzene	0.0727 0.0755	0.0390 0.0666	0.0565 0.0702	0.0693	0.0659	Ave		0.0645				18.2		20.0			
cis-Diallate	+++++ 0.4091	+++++ 0.3863	0.3765 0.3632	0.3757	0.3855	Ave		0.3827				4.0		20.0			
Phorate	0.9502 0.7844	0.6834 0.7343	0.6987 1.0295	0.6461	0.7221	Ave		0.7811				17.5		20.0			
Phenacetin	+++++ 0.5759	+++++ 0.5351	0.4062 0.5109	0.4675	0.5529	Ave		0.5081				12.2		20.0			
4-Bromophenyl phenyl ether	0.1905 0.2434	0.1791 0.2244	0.1983 0.2108	0.2109	0.2227	Ave		0.2100			0.1000	9.8		20.0			
trans-Diallate	+++++ 0.4253	+++++ 0.3795	0.5177 0.3769	0.4429	0.4179	Ave		0.4267				12.1		20.0			
Hexachlorobenzene	0.2270 0.3061	0.2870 0.2684	0.2582 0.2614	0.2722	0.2826	Ave		0.2704			0.1000	8.6		20.0			
Dimethoate	0.3656 0.4400	0.4014 0.4088	0.3536 0.3853	0.3863	0.4255	Ave		0.3958				7.4		20.0			
Atrazine	0.2453 0.2441	0.2568 0.2163	0.2240 0.1933	0.2172	0.2334	Ave		0.2288			0.0100	8.9		20.0			
Pentachlorophenol	+++++ 0.2208	0.1601 0.1927	0.1408 0.1853	0.1558	0.1845	Ave		0.1771			0.0500	15.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Pentachloronitrobenzene	+++++ 0.1594	0.1545 0.1375	0.1130 0.1406	0.1403	0.1511	Ave		0.1424				10.8		20.0			
4-Aminobiphenyl	0.8242 0.9387	0.8230 0.8394	0.7417 0.8151	0.7643	0.8686	Ave		0.8269				7.3		20.0			
Pronamide	0.3780 0.4020	0.3904 0.3666	0.3064 0.3527	0.3616	0.3850	Ave		0.3678				8.0		20.0			
Dinoseb	+++++ 0.2041	0.1453 0.1937	0.1554 0.1937	0.1651	0.1967	Ave		0.1791				13.0		20.0			
Disulfoton	+++++ 0.6519	0.6837 0.6063	0.5730 0.5776	0.5813	0.6267	Ave		0.6143				6.8		20.0			
Phenanthrene	1.1171 1.2257	1.0841 1.1158	1.0229 1.1111	1.0524	1.1434	Ave		1.1091			0.7000	5.5		20.0			
Anthracene	1.0628 1.2711	1.0345 1.1571	0.9991 1.1184	1.1181	1.1505	Ave		1.1140			0.7000	7.6		20.0			
Carbazole	0.6885 1.1629	0.8930 1.0750	0.9506 1.0275	1.0154	1.0829	Ave		0.9870			0.0100	14.8		20.0			
Methyl parathion	0.3713 0.3555	0.2558 0.3297	0.2677 0.3272	0.3028	0.3395	Ave		0.3187				12.7		20.0			
Di-n-butyl phthalate	1.3052 1.4961	1.3048 1.4147	1.2850 1.3071	1.2645	1.3737	Ave		1.3439			0.0100	5.8		20.0			
Parathion	0.2532 0.2238	0.1708 0.2292	0.1558 0.2072	0.1879	0.2101	Ave		0.2047				15.6		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.1202	+++++ 0.1143	0.0768 0.1134	0.0860	0.0990	Ave		0.1016				17.1		20.0			
Octachlorostyrene	0.1414 0.1359	0.1226 0.1230	0.1419 0.1129	0.1211	0.1237	Ave		0.1278				8.3		20.0			
Isodrin	+++++ 0.1469	0.2578 0.1413	0.1461 0.1328	0.1469	0.1413	Lin2	0.0298	0.1362							0.9970		0.9900
Fluoranthene	0.9829 1.3920	1.0970 1.3110	1.2085 1.2403	1.1946	1.2532	Ave		1.2099			0.6000	10.4		20.0			
Benzidine	+++++ 0.9373	+++++ 0.8240	0.7235 0.6454	0.7906	0.8888	Ave		0.8016				13.3		20.0			
Pyrene	1.2477 1.3201	1.2427 1.3200	1.1913 1.2777	1.2492	1.2774	Ave		1.2658			0.6000	3.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	0.2229 0.1868	0.1952 0.1813	0.1518 0.1826	0.1688	0.1825	Ave		0.1840				11.1		20.0			
Chlorobenzilate	0.4026 0.4622	0.4238 0.4760	0.3674 0.4432	0.4200	0.4459	Ave		0.4301				8.0		20.0			
Famphur	0.3907	0.4971 +++++	0.4172 +++++	0.4191		Ave		0.4310				10.6		20.0			
3,3'-Dimethylbenzidine	0.5984 0.6506	0.5680 0.6043	0.5581 0.5782	0.6073	0.6287	Ave		0.5992				5.2		20.0			
Butyl benzyl phthalate	0.6241 0.6039	0.5282 0.6366	0.5783 0.6080	0.5819	0.5887	Ave		0.5937			0.0100	5.6		20.0			
2-Acetylaminofluorene	+++++ 0.4673	+++++ 0.4845	0.3250 0.4868	0.4019	0.4670	Ave		0.4388				14.5		20.0			
3,3'-Dichlorobenzidine	0.4054 0.5285	0.4326 0.5263	0.4173 0.5108	0.4863	0.4788	Ave		0.4733			0.0100	10.4		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.2023 0.2483	0.2555 0.2395	0.2196 0.2297	0.2281	0.2297	Ave		0.2316				7.2		20.0			
Benzo[a]anthracene	1.0739 1.2244	1.0056 1.2160	1.0573 1.1889	1.1303	1.1642	Ave		1.1326			0.8000	7.1		20.0			
Chrysene	1.0227 1.1298	1.0270 1.1104	0.9646 1.0945	1.0574	1.0630	Ave		1.0587			0.7000	5.1		20.0			
Bis(2-ethylhexyl) phthalate	0.6958 0.8871	0.7631 0.9316	0.7759 0.8788	0.8504	0.8508	Ave		0.8292			0.0100	9.4		20.0			
6-Methylchrysene	0.6983 0.7502	0.7085 0.7600	0.6841 0.7474	0.7009	0.7379	Ave		0.7234				4.0		20.0			
Di-n-octyl phthalate	1.2788 1.5111	1.3374 1.6402	1.1853 1.5292	1.3473	1.4346	Ave		1.4080			0.0100	10.6		20.0			
7,12-Dimethylbenz(a)anthracene	0.4299 0.4856	0.3412 0.4938	0.4228 0.4965	0.3967	0.4886	Ave		0.4444				12.7		20.0			
Benzo[b]fluoranthene	1.1106 1.2993	0.9823 1.2630	1.0517 1.2609	1.1170	1.2337	Ave		1.1648			0.7000	9.9		20.0			
Benzo[k]fluoranthene	1.1629 1.1971	1.2146 1.2836	1.0915 1.1798	1.0865	1.2149	Ave		1.1789			0.7000	5.6		20.0			
Benzo[a]pyrene	1.4600 1.2026	1.2116 1.2369	1.0870 1.1737	1.1003	1.1930	Ave		1.2081			0.7000	9.5		20.0			

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3-Methylcholanthrene	0.5691 0.5511	0.5511 0.5689	0.4651 0.5544	0.5015	0.5373	Ave		0.5373				6.7		20.0			
Dibenz[a,h]acridine	0.7795 0.8781	0.8362 0.9042	0.8212 0.8755	0.7857	0.9163	Ave		0.8496				6.1		20.0			
Dibenz[a,j]acridine	0.9930 0.9982	0.9615 1.0235	0.8719 1.0016	0.9221	1.0257	Ave		0.9747				5.5		20.0			
Indeno[1,2,3-cd]pyrene	0.9449 1.2104	1.2540 1.2175	1.0531 1.1653	1.0817	1.1809	Ave		1.1385			0.5000	9.1		20.0			
Dibenz(a,h)anthracene	0.9113 1.1491	1.0170 1.1884	1.0460 1.1251	1.0598	1.1628	Ave		1.0824			0.4000	8.5		20.0			
Benzo[g,h,i]perylene	0.9272 1.1980	1.0556 1.2047	1.0789 1.1561	1.0683	1.1961	Ave		1.1106			0.5000	8.7		20.0			
2-Fluorophenol (Surr)	1.1245 1.7480	1.4768 1.5853	1.3978 1.6259	1.3896	1.5290	Ave		1.4846				12.7		20.0			
Phenol-d5 (Surr)	+++++ 2.5385	1.9720 2.2960	2.1089 2.4189	1.9947	2.1609	Ave		2.2129				9.7		20.0			
Nitrobenzene-d5 (Surr)	0.4956 0.6746	0.6217 0.6544	0.6243 0.6780	0.6073	0.6389	Ave		0.6244				9.3		20.0			
2-Fluorobiphenyl (Surr)	1.4615 1.5133	1.3319 1.4732	1.3282 1.3675	1.3636	1.4337	Ave		1.4091				5.0		20.0			
2,4,6-Tribromophenol (Surr)	0.2919 0.3116	0.2618 0.3083	0.2563 0.3011	0.2843	0.2899	Ave		0.2881				7.0		20.0			
p-Terphenyl-d14 (Surr)	0.7670 0.8679	0.6946 0.8762	0.7594 0.7918	0.7887	0.8295	Ave		0.7969				7.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 404263	+++++ 552188	38442 741228	104963	195873	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	5612 691425	11307 964548	46674 1382482	160539	327681	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	19645 2273593	32011 3150074	164214 4450811	513500	1100835	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 783926	+++++ 1065668	45259 1653063	198121	378499	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	+++++ 1079817	+++++ 1405312	77690 2034040	231055	509261	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 455784	+++++ 618516	37828 864024	109050	232721	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	5834 742618	11658 950633	55995 1369721	174411	359365	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	2372 418528	7244 594803	32280 869020	95002	210984	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	3096 432170	6802 619010	37028 867550	107702	216876	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	7012 984917	17047 +++++	71707 +++++	231362	506605	0.125 12.5	0.250 +++++	1.25 +++++	3.75	7.50
Phenol	DCBd4	Ave	9400 1294706	20377 1976971	100002 2868342	278800	658069	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	9071 1574648	18911 2227705	107166 3183245	362638	744969	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	7761 934495	15975 1289617	78776 1813742	219381	450152	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	6543 778844	9333 1083595	54154 1551954	188723	390014	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	7964	10029	65453	212013	412718	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			852984	1194608	1692117			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	8488 877701	13591 1216913	67669 1683664	207823	433955	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	+++++ 645482	7107 905889	50311 1297914	148859	308502	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	6693 838110	11348 1173690	61140 1633116	207580	410664	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	+++++ 904312	9054 1249820	63996 1752697	203839	449899	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	10939 1060422	15262 1466206	81436 2037983	259212	514939	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	3692 480939	9429 708979	34083 983482	119225	251201	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	6879 911523	12979 1294540	64175 1803886	214719	451546	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	10322 1523056	21830 2118938	113461 3003676	360924	719592	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,4-Methylphenol	DCBd4	Ave	6255 1013281	13504 1285734	75183 2078819	208088	497091	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	+++++ 642676	11677 968910	50807 1368944	148631	331119	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	10897 1464843	23293 1957524	100493 2809329	336870	694989	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	4290 441662	5747 600140	36425 847847	99519	211304	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	8640 1325624	20583 1863013	105261 2704843	315365	663001	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	3663 425210	7470 572554	32600 832402	90307	198449	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	17590 2314072	33836 3336829	174691 4654017	539688	1136965	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	4363 432243	5600 599863	35334 845920	99124	210288	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	6652 1083654	14225 1537865	74426 2200994	252040	523159	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	3560 356155	5239 497898	30045 730862	89632	184706	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	8515 1262601	13385 1767772	95480 2400458	290682	612213	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	3860	8882	49405	155987	349203	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			683688	951237	1412259			12.5	20.0	30.0		
1,2,4-Trichlorobenzene	NPT	Ave	4555 737691	12563 1072486	56836 1505130	192490	365227	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	18400 2282465	34677 3242450	175565 4560544	547112	1101478	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	5231 870281	13050 1243117	73799 1758241	205534	434269	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 998975	10899 1431074	72118 2058027	247236	489667	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	4089 699754	10594 970402	47801 1357740	166557	327701	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	6366 557728	9615 827291	41994 1199296	136744	281562	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	3167 522142	6166 722990	37267 1013349	125470	260214	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	10945 1512779	18146 2088307	114833 2932925	363563	726311	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 956048	17446 1384974	90223 1947821	244095	500651	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	+++++ 216005	4083 330797	18278 476042	55257	118277	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Lin2	+++++ 935394	+++++ 1251827	29140 1914096	167672	478796	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	7169 923404	12580 1318534	68435 1897476	208939	472165	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	4597 565909	10147 782784	44498 1142523	146930	300096	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	10200 1339000	19935 1925646	104895 2644129	319115	649382	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	10296 1394804	19341 1960829	102662 2806979	337849	701944	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	6242 690356	9371 953909	47217 1353037	163181	333486	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	6059 784262	11095 1119948	60356 1593176	204366	391855	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	+++++ 102925	+++++ 145238	6614 202326	24475	51486	+++++ 2.00	+++++ 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	3619 502753	5342 721285	38409 1033767	122043	251084	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	+++++	7630	42534	141001	275379	+++++	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			572548	812668	1127165			12.5	20.0	30.0		
Isosafrole Peak 2	ANT	Ave	5952 574498	7916 783753	49220 1129777	137378	287790	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	17739 1871791	31241 2700258	161920 3872032	453663	914516	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	8441 1565031	18511 1990056	115095 3232872	361109	735696	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	10178 1272293	22633 2054262	98921 2478110	326982	669556	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	8709 1019282	15453 1437067	75328 2007598	239096	500135	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	3875 512296	7651 723835	40845 1054341	130020	238866	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	5897 598945	8304 838802	42297 1187718	144278	298572	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 211421	3242 295027	16438 446970	52818	114433	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	14401 1809955	28448 2588553	142077 3623404	455122	878797	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	1733 248245	4607 370275	21099 520365	64771	126554	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	+++++ 379202	4672 537699	28431 768667	101330	188113	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	17695 2247578	34065 3251906	173229 4539360	542137	1129922	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 448018	5342 637824	29492 912441	111648	212660	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	13429 1546842	25795 2236765	118334 3148199	377681	764667	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	15535 539087	33762 780362	77932 1130648	189915	291812	1.25 25.0	2.50 40.0	5.00 60.0	11.3	17.5
4-Nitrophenol	ANT	Ave	+++++ 949846	+++++ 1297371	85825 1882603	206479	436238	+++++ 25.0	+++++ 40.0	3.75 60.0	7.50	15.0
Pentachlorobenzene	ANT	Ave	6833 678947	9118 974337	54089 1365449	166463	348362	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	3231 551183	7697 807008	43018 1129324	133812	271744	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenzofuran	ANT	Ave	14428 2136199	34197 2953275	155409 4112600	514786	1058868	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	10123	19831	110287	355994	740598	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1455282	2059319	3045394			12.5	20.0	30.0		
2,3,4,6-Tetrachlorophenol	ANT	Ave	4938 484730	6053 724260	38145 1005883	112210	249474	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	10429 1508057	25233 2123566	115739 3027020	364899	765846	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	13594 1906694	28236 2745146	148319 3865225	471615	955237	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	3316 315236	4251 496165	25323 688846	77737	163912	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	16446 1664069	27111 2340117	119797 3350904	412751	810785	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl phenyl ether	ANT	Ave	6079 785899	14397 1141239	57940 1590328	198531	402693	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	+++++ 459736	9793 655294	33448 905501	110247	223279	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 436079	6632 617771	33332 863765	107846	214303	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	15265 661398	24274 1030068	76774 1439631	157182	330689	0.750 25.0	1.50 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	9091 1140792	18671 1611027	89100 2306588	294186	555989	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	20598 2637199	38522 3903575	211283 5515215	672802	1333677	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	4465 457417	6834 684537	36284 969859	123608	230420	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	1411 152296	1489 214599	10646 338234	40528	71976	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 610455	+++++ 920886	52477 1295162	162686	311544	+++++ 9.25	+++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	18449 1581801	26104 2365542	131611 4960785	378097	788571	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 1161394	+++++ 1723793	76518 2461722	273558	603742	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl phenyl ether	PHN	Ave	3699 490758	6841 723035	37351 1015919	123397	243165	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 222979	+++++ 317855	25352 472217	67385	118662	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	4408 617312	10960 864599	48634 1259772	159286	308661	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	7099	15330	66596	226036	464681	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			887305	1317002	1856712			12.5	20.0	30.0		
Atrazine	PHN	Ave	4763 492182	9807 696627	42198 931351	127090	254894	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 890363	30580 1241435	53052 1785379	182319	402973	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
Pentachloronitrobenzene	PHN	Ave	+++++ 321438	5902 443013	21290 677592	82106	165040	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Aminobiphenyl	PHN	Ave	16003 1892958	31435 2704110	139697 3927813	447266	948525	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	7340 810609	14913 1180938	57714 1699591	211594	420394	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 411554	5548 624042	29277 933195	96616	214752	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	+++++ 1314600	26114 1953002	107938 2783115	340144	684374	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	21690 2471761	41408 3594265	192664 5353917	615868	1248657	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	20636 2563352	39512 3727435	188191 5388972	654325	1256395	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	13368 2345192	34108 3462827	179061 4951156	594213	1182587	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	7209 716907	9770 1061994	50431 1576568	177220	370789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	25342 3017072	49836 4557324	242050 6298265	739996	1500114	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	4916 451263	6525 738416	29337 998334	109944	229456	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 242497	+++++ 368304	14462 546398	50352	108061	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	2745 274037	4681 396213	26733 544207	70889	135038	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Lin2	+++++ 296300	9845 455117	27515 640120	85980	154336	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	19085 2807252	41900 4223194	227628 5976422	699052	1368557	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 6122149	+++++ 7970064	416878 9306451	1392120	3014318	+++++ 37.5	+++++ 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	23720 2874188	47330 4255785	228805 6141884	733248	1443973	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	4237	7436	29156	99096	206283	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			406741	584474	877791			12.5	20.0	30.0		
Chlorobenzilate	PYR10	Ave	7653 1006267	16142 1534718	70569 2130642	246538	504007	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Famphur	PYR10	Ave	7428	18932 +++++	80126 +++++	246002		0.125	0.250 +++++	1.25 +++++	3.75	
3,3'-Dimethylbenzidine	PYR10	Ave	11376 1416672	21632 1948308	107180 2779104	356448	710695	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butyl benzyl phthalate	PYR10	Ave	11864 1314887	20117 2052589	111060 2922614	341576	665489	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 1017553	+++++ 1562162	62418 2339837	235934	527897	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	7707 1150819	16478 1696833	80138 2455570	285445	541216	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	3846 540664	9733 772230	42180 1104128	133913	259701	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	20416 2666008	38302 3920574	203056 5714915	663482	1316086	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	19441 2459963	39115 3580187	185267 5261375	620680	1201661	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	13227 1931404	29063 3003613	149013 4224302	499167	961757	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	13275 1633327	26984 2450330	131389 3592607	411388	834171	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	22506 3275901	49935 5033721	225573 7164621	823508	1547035	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	7565 1052763	12739 1515484	80469 2326029	242490	526869	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	19546 2816736	36677 3876112	200152 5907431	682741	1330449	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	20465 2595135	45350 3939512	207726 5527501	664125	1310150	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	25694 2607195	45238 3796128	206859 5498969	672551	1286461	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	10015 1194794	20575 1745830	88511 2597295	306543	579381	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	13718 1903740	31220 2774940	156278 4101891	480224	988160	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	17476 2163927	35901 3141039	165938 4692815	563608	1106097	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	16630	46823	200412	661166	1273432	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			2623961	3736568	5459521			12.5	20.0	30.0		
Dibenz(a,h)anthracene	PRY	Ave	16038 2491240	37971 3647088	199065 5271458	647759	1253957	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[g,h,i]perylene	PRY	Ave	16318 2597239	39413 3697286	205318 5416409	652982	1289879	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	9488 1801443	26707 2486866	126393 3515494	406637	843782	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	+++++ 2616078	35662 3601673	190691 5230168	583695	1192554	+++++ 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	17128 2804952	42159 3859543	204583 5638985	642901	1340106	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	27755 3506039	51397 5159555	261811 6753511	867851	1737548	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	5543 721914	10101 1079836	50516 1486988	180917	351354	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	29163 3779262	52911 5650213	291707 7612471	925854	1875354	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 641051

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/07/2025 23:49 Calibration End Date: 05/08/2025 02:18 Calibration ID: 72461

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-641051/9	JE0758.D
Level 2	IC 410-641051/8	JE0757.D
Level 3	IC 410-641051/7	JE0756.D
Level 4	IC 410-641051/6	JE0755.D
Level 5	IC 410-641051/5	JE0754.D
Level 6	ICIS 410-641051/2	JE0751a.D
Level 7	IC 410-641051/4	JE0753.D
Level 8	IC 410-641051/3	JE0752.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
1,4-phenylenediamine	+++++ -4.8	+++++ 1.6	2.0	-10.7	8.8	3.1	30	30	50	30	30	30
Isodrin	+++++ 2.6	1.8 -3.2	-10.2	2.0	0.9	6.1	30	50 30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 07-May-2025 23:49:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:30:29 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:46:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.707	1.707	0.000	94	404263	12.5	13.2	
	2 N-Nitrosodimethylamine	74	1.935	1.935	0.000	93	691425	12.5	13.8	
	3 Pyridine	79	1.976	1.976	0.000	97	2273593	25.0	27.7	
	4 Dimethylformamide	73	2.279	2.279	0.000	94	783926	12.5	14.0	
	5 2-Picoline	93	2.571	2.571	0.000	90	1079817	12.5	14.4	
	6 N-Nitrosomethylethylamine	88	2.653	2.653	0.000	94	455784	12.5	13.5	
	7 Methyl methanesulfonate	80	2.922	2.922	0.000	87	742618	12.5	14.0	
$	9 2-Fluorophenol	112	3.074	3.074	0.000	94	1801443	25.0	29.4	
	11 N-Nitrosodiethylamine	102	3.295	3.295	0.000	94	418528	12.5	13.8	
	12 Ethyl methanesulfonate	109	3.593	3.593	0.000	94	432170	12.5	13.4	
	13 Benzaldehyde	77	3.914	3.914	0.000	89	984917	12.5	13.7	
$	15 Phenol-d5	99	3.979	3.979	0.000	93	2616078	25.0	28.7	
	16 Phenol	94	3.990	3.990	0.000	92	1294706	12.5	13.5	
	17 Aniline	93	4.019	4.019	0.000	94	1574648	12.5	14.8	
	18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	93	934495	12.5	13.3	
	19 2-Chlorophenol	128	4.130	4.130	0.000	88	778844	12.5	14.0	
	21 1,3-Dichlorobenzene	146	4.276	4.276	0.000	89	852984	12.5	13.6	
*	22 1,4-Dichlorobenzene-d4	152	4.335	4.335	0.000	94	206113	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.352	4.352	0.000	87	877701	12.5	13.3	
	26 Benzyl alcohol	108	4.469	4.469	0.000	86	645482	12.5	14.3	
	27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	90	838110	12.5	13.9	
	29 2-Methylphenol	108	4.580	4.580	0.000	95	904312	12.5	14.8	
	30 2,2'-oxybis[1-chloropropane]	45	4.598	4.598	0.000	88	1060422	12.5	13.2	
	31 N-Nitrosopyrrolidine	100	4.703	4.703	0.000	85	480939	12.5	13.1	
	32 Acetophenone	105	4.726	4.726	0.000	81	1523056	12.5	14.2	
	33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	67	911523	12.5	14.0	
	34 4-Methylphenol	108	4.732	4.732	0.000	88	1013281	12.5	14.7	
	35 N-Nitrosomorpholine	56	4.743	4.743	0.000	88	642676	12.5	13.0	
	36 2-Toluidine	106	4.755	4.755	0.000	93	1464843	12.5	14.1	
	37 Hexachloroethane	117	4.819	4.819	0.000	94	441662	12.5	13.6	
$	39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	2804952	25.0	27.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.884	4.884	0.000	86	1325624	12.5	13.0	
41 N-Nitrosopiperidine	114	5.035	5.035	0.000	79	425210	12.5	12.9	
42 Isophorone	82	5.117	5.117	0.000	96	2314072	12.5	13.0	
43 2-Nitrophenol	139	5.193	5.193	0.000	84	432243	12.5	12.7	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	95	1083654	12.5	13.7	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	90	356155	12.5	12.2	
47 Bis(2-chloroethoxy)methane	93	5.333	5.333	0.000	97	1262601	12.5	13.8	
49 2,4-Dichlorophenol	162	5.427	5.427	0.000	94	683688	12.5	13.7	
50 1,2,4-Trichlorobenzene	180	5.503	5.503	0.000	92	737691	12.5	12.8	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	831564	5.00	5.00	
53 Naphthalene	128	5.578	5.578	0.000	98	2282465	12.5	12.9	
55 Alpha-Terpineol	59	5.590	5.590	0.000	91	870281	12.5	13.1	
56 4-Chloroaniline	127	5.637	5.637	0.000	93	998975	12.5	13.3	
57 2,6-Dichlorophenol	162	5.643	5.643	0.000	82	699754	12.5	13.7	
58 Hexachloropropene	213	5.660	5.660	0.000	96	557728	12.5	11.8	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	95	522142	12.5	13.8	
61 Quinoline	129	5.900	5.900	0.000	93	1512779	12.5	13.5	
63 N-Nitrosodi-n-butylamine	84	5.964	5.964	0.000	89	956048	12.5	11.8	
62 Caprolactam	113	5.970	5.970	0.000	74	216005	12.5	11.7	
64 p-Phenylene diamine	108	5.981	5.981	0.000	92	935394	12.5	12.9	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	923404	12.5	13.1	
66 Safrole, Total	162	6.162	6.162	0.000	73	565909	12.5	12.3	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	1339000	12.5	13.0	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	1394804	12.5	13.1	
71 Hexachlorocyclopentadiene	237	6.390	6.390	0.000	95	690356	12.5	13.6	
70 1,2,4,5-Tetrachlorobenzene	216	6.402	6.402	0.000	98	784262	12.5	13.3	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	78	102925	2.00	2.21	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	82	502753	12.5	14.0	
S 24 Dinitrotoluene	165				0		25.0	27.4	
80 2,4,5-Trichlorophenol	196	6.554	6.554	0.000	88	572548	12.5	13.8	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	99	3506039	25.0	26.8	
82 Isosafrole Peak 2	162	6.659	6.659	0.000	80	574498	10.5	10.8	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1871791	12.5	12.6	
84 2-Chloronaphthalene	162	6.705	6.705	0.000	97	1565031	12.5	14.7	M
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1272293	12.5	12.7	Ma
86 Phenyl ether	170	6.793	6.793	0.000	84	1019282	12.5	13.4	
87 2-Nitroaniline	138	6.811	6.811	0.000	73	512296	12.5	13.4	
88 1,4-Naphthoquinone	158	6.881	6.881	0.000	69	598945	12.5	13.2	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	211421	12.5	13.1	
90 Dimethyl phthalate	163	6.992	6.992	0.000	95	1809955	12.5	13.2	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	78	248245	12.5	12.7	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	77	379202	12.5	13.6	
93 Acenaphthylene	152	7.097	7.097	0.000	99	2247578	12.5	13.3	
95 3-Nitroaniline	138	7.202	7.202	0.000	83	448018	12.5	14.1	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	463358	5.00	5.00	
97 Acenaphthene	153	7.266	7.266	0.000	97	1546842	12.5	13.0	
98 2,4-Dinitrophenol	184	7.301	7.301	0.000	75	539087	25.0	28.6	
100 4-Nitrophenol	109	7.377	7.377	0.000	81	949846	25.0	28.8	
99 Pentachlorobenzene	250	7.389	7.389	0.000	96	678947	12.5	12.9	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	79	551183	12.5	13.8	
101 Dibenzofuran	168	7.429	7.429	0.000	95	2136199	12.5	13.7	
104 1-Naphthylamine	143	7.505	7.505	0.000	95	1455282	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	484730	12.5	13.0	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	1508057	12.5	13.4	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	1906694	12.5	13.5	
109 Thionazin	107	7.739	7.739	0.000	73	315236	12.5	12.5	
108 Fluorene	166	7.756	7.756	0.000	94	1664069	12.5	12.9	
110 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	94	785899	12.5	13.0	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	84	459736	12.5	12.9	
112 4-Nitroaniline	138	7.786	7.786	0.000	73	436079	12.5	13.4	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.809	0.000	67	661398	25.0	29.0	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	66	1140792	10.6	12.1	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	2637199	12.5	14.2	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	91	721914	25.0	27.0	
117 Sulfotepp	97	8.037	8.037	0.000	78	457417	12.5	13.6	
118 1,3,5-Trinitrobenzene	213	8.142	8.142	0.000	80	152296	12.5	14.6	
120 cis-Diallate	86	8.153	8.153	0.000	88	610455	9.25	9.89	
119 Phorate	75	8.159	8.159	0.000	92	1581801	12.5	12.6	
121 Phenacetin	108	8.183	8.183	0.000	87	1161394	12.5	14.2	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	73	490758	12.5	14.5	
123 trans-Diallate	86	8.235	8.235	0.000	90	222979	3.25	3.24	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	617312	12.5	14.2	
125 Dimethoate	87	8.323	8.323	0.000	94	887305	12.5	13.9	
126 Atrazine	200	8.393	8.393	0.000	86	492182	12.5	13.3	
127 Pentachlorophenol	266	8.469	8.469	0.000	90	890363	25.0	31.2	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	91	1892958	12.5	14.2	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	50	321438	12.5	14.0	
130 Pronamide	173	8.539	8.539	0.000	90	810609	12.5	13.7	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	806658	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	91	411554	12.5	14.2	
134 Disulfoton	88	8.661	8.661	0.000	96	1314600	12.5	13.3	
132 Phenanthrene	178	8.667	8.667	0.000	97	2471761	12.5	13.8	
135 Anthracene	178	8.714	8.714	0.000	98	2563352	12.5	14.3	
136 Carbazole	167	8.878	8.878	0.000	96	2345192	12.5	14.7	
137 Methyl parathion	109	9.012	9.012	0.000	89	716907	12.5	13.9	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	100	3017072	12.5	13.9	
139 Ethyl Parathion	109	9.391	9.391	0.000	80	451263	12.5	13.7	
140 4-Nitroquinoline-1-oxide	190	9.415	9.415	0.000	84	242497	12.5	14.8	
142 Octachlorostyrene	308	9.619	9.619	0.000	90	274037	12.5	13.3	
S 68 Diallate	86				0		12.5	13.1	
143 Isodrin	193	9.654	9.654	0.000	89	296300	12.5	13.3	
144 Fluoranthene	202	9.800	9.800	0.000	99	2807252	12.5	14.4	
145 Benzidine	184	9.946	9.946	0.000	99	6122149	37.5	43.8	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	97	870930	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2874188	12.5	13.0	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	3779262	25.0	27.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	406741	12.5	12.7	
150 Chlorobenzilate	139	10.366	10.366	0.000	81	1006267	12.5	13.4	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	1416672	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1314887	12.5	12.7	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	92	1017553	12.5	13.3	
S 94 Isosafrole	162				0		12.5	13.0	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	1150819	12.5	14.0	
158 4,4'-Methylene bis(2-chloroani	231	11.277	11.277	0.000	80	540664	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.277	11.277	0.000	98	2666008	12.5	13.5	
159 Chrysene	228	11.318	11.318	0.000	97	2459963	12.5	13.3	
160 Bis(2-ethylhexyl) phthalate	149	11.365	11.365	0.000	96	1931404	12.5	13.4	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	1633327	12.5	13.0	
162 Di-n-octyl phthalate	149	12.217	12.217	0.000	99	3275901	12.5	13.4	
164 Benzo[b]fluoranthene	252	12.661	12.661	0.000	97	2816736	12.5	13.9	
163 7,12-Dimethylbenz(a)anthracene	256	12.661	12.661	0.000	72	1052763	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	2595135	12.5	12.7	
166 Benzo[a]pyrene	252	13.117	13.117	0.000	78	2607195	12.5	12.4	
* 167 Perylene-d12	264	13.198	13.198	0.000	99	867161	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.000	91	1194794	12.5	12.8	
169 Dibenz[a,h]acridine	279	14.425	14.425	0.000	91	1903740	12.5	12.9	
170 Dibenz[a,j]acridine	279	14.495	14.495	0.000	96	2163927	12.5	12.8	
171 Indeno[1,2,3-cd]pyrene	276	14.717	14.717	0.000	99	2623961	12.5	13.3	
172 Dibenz(a,h)anthracene	278	14.757	14.757	0.000	92	2491240	12.5	13.3	
173 Benzo[g,h,i]perylene	276	15.073	15.073	0.000	98	2597239	12.5	13.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00065 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:30:30 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0751a.D

Injection Date: 07-May-2025 23:49:30 Instrument ID: HP23264 Operator ID: IR93211

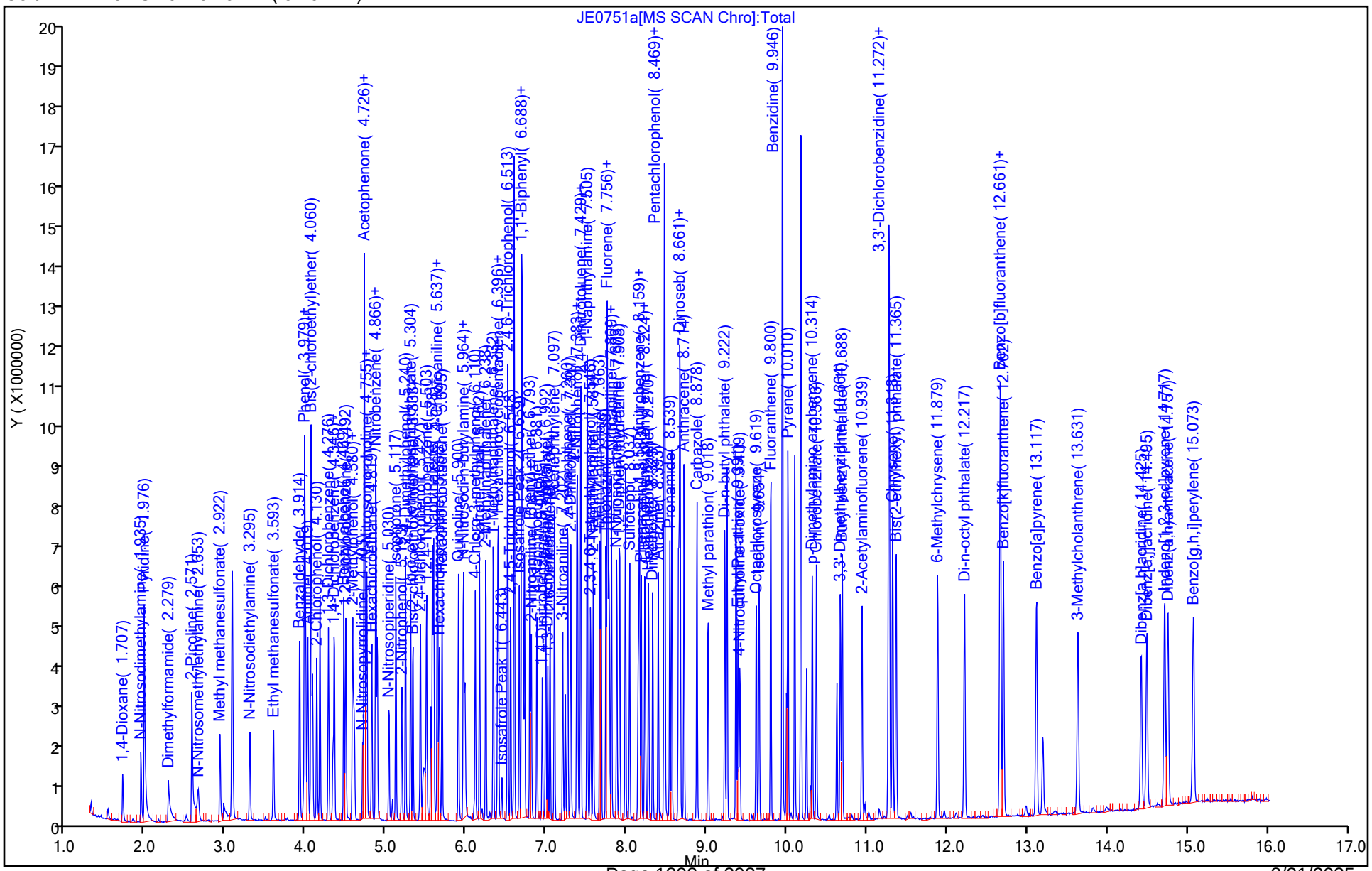
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

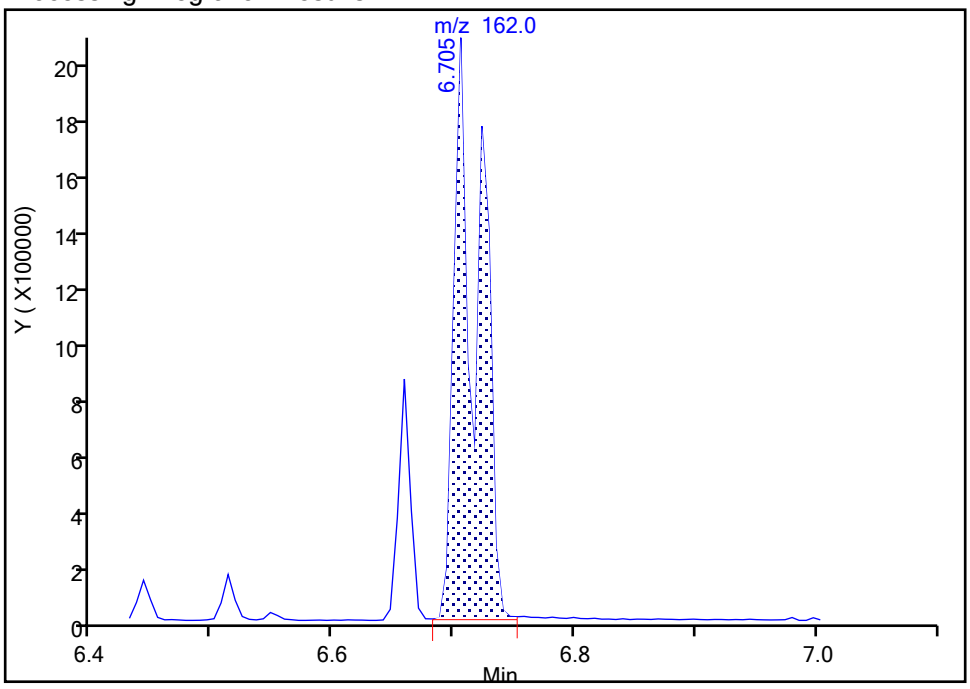
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Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

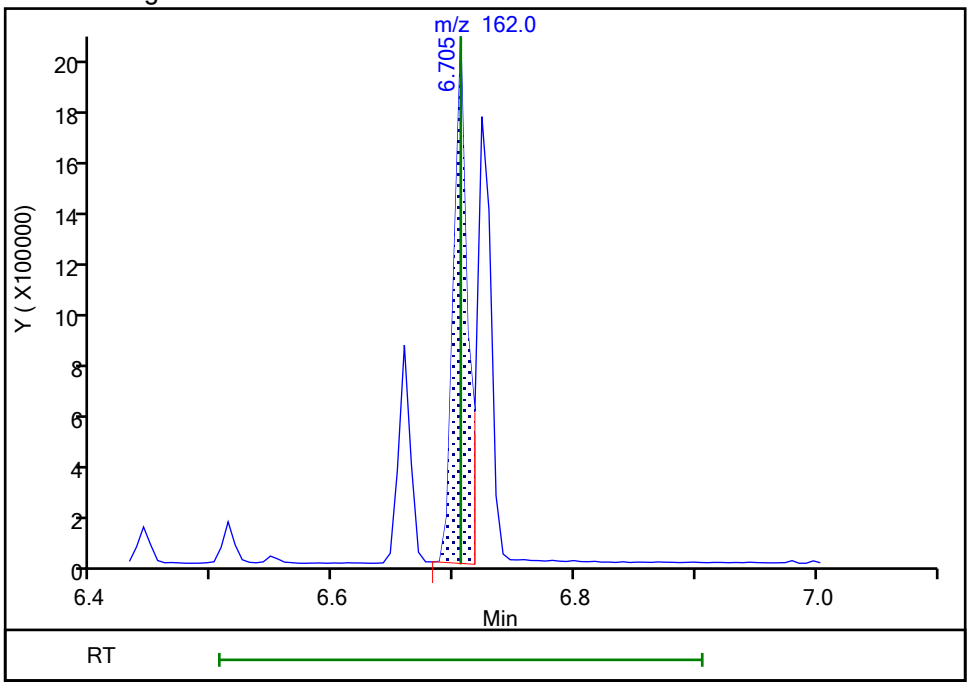
Processing Integration Results

RT: 6.71
Area: 2837327
Amount: 12.858392
Amount Units: ug/ml



Manual Integration Results

RT: 6.71
Area: 1565031
Amount: 14.746651
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:45:35 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

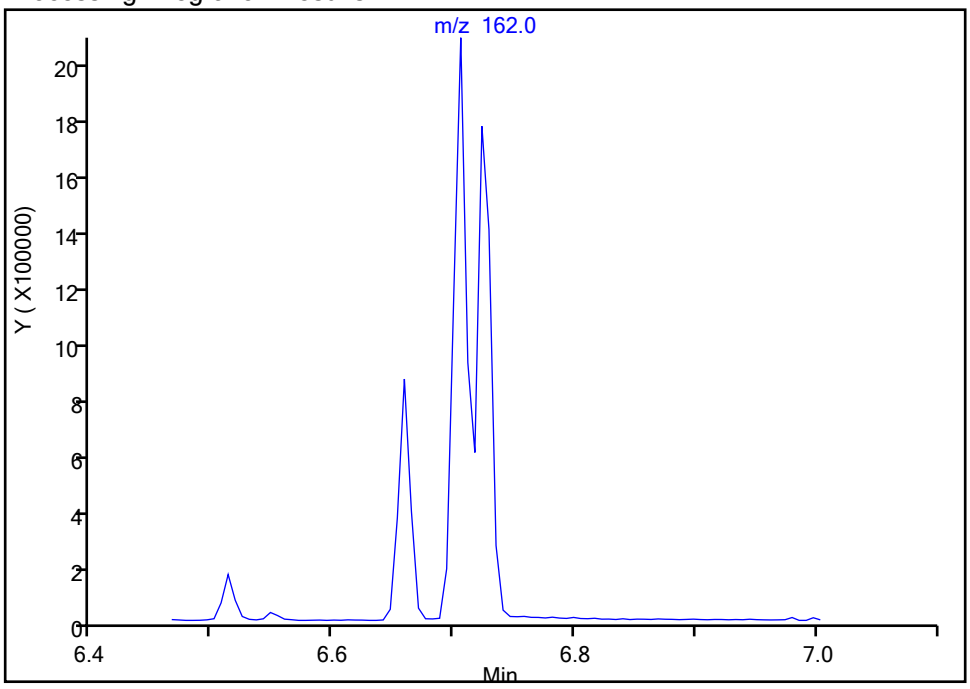
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Injection Date:	07-May-2025 23:49:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

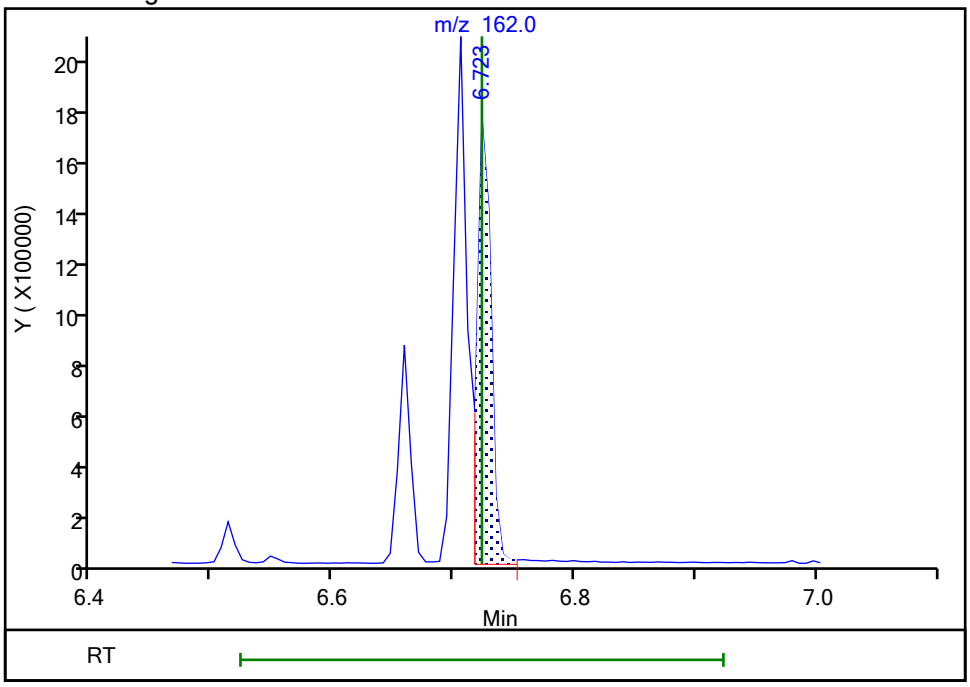
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 1272293
Amount: 12.688580
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:45:42 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 08-May-2025 00:10:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0146504-003
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:30:49 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:48:27

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.696	1.707	-0.011	94	741228	30.0	27.7	
	2 N-Nitrosodimethylamine	74	1.923	1.935	-0.012	94	1382482	30.0	31.5	
	3 Pyridine	79	1.964	1.976	-0.012	97	4450811	60.0	62.0	
	4 Dimethylformamide	73	2.262	2.279	-0.017	94	1653063	30.0	33.8	
	5 2-Picoline	93	2.560	2.571	-0.011	89	2034040	30.0	31.0	
	6 N-Nitrosomethylethylamine	88	2.641	2.653	-0.012	94	864024	30.0	29.4	
	7 Methyl methanesulfonate	80	2.916	2.922	-0.006	88	1369721	30.0	29.4	
$	9 2-Fluorophenol	112	3.074	3.074	0.000	93	3515494	60.0	65.7	
	11 N-Nitrosodiethylamine	102	3.290	3.295	-0.005	96	869020	30.0	32.9	
	12 Ethyl methanesulfonate	109	3.587	3.593	-0.006	94	867550	30.0	30.8	
	13 Benzaldehyde	77	3.914	3.914	0.000	88	732639	30.0	11.7	
$	15 Phenol-d5	99	3.979	3.979	0.000	93	5230168	60.0	65.6	
	16 Phenol	94	3.990	3.990	0.000	93	2868342	30.0	34.1	
	17 Aniline	93	4.014	4.019	-0.005	94	3183245	30.0	34.3	
	18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	93	1813742	30.0	29.6	
	19 2-Chlorophenol	128	4.130	4.130	0.000	88	1551954	30.0	31.9	
	21 1,3-Dichlorobenzene	146	4.276	4.276	0.000	90	1692117	30.0	31.0	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.335	-0.006	94	180187	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.346	4.352	-0.006	85	1683664	30.0	29.2	
	26 Benzyl alcohol	108	4.469	4.469	0.000	86	1297914	30.0	33.0	
	27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	90	1633116	30.0	30.9	
	29 2-Methylphenol	108	4.580	4.580	0.000	95	1752697	30.0	32.7	
	30 2,2'-oxybis[1-chloropropane]	45	4.598	4.598	0.000	87	2037983	30.0	29.1	
	31 N-Nitrosopyrrolidine	100	4.708	4.703	0.005	91	983482	30.0	30.6	
	32 Acetophenone	105	4.720	4.726	-0.006	87	3003676	30.0	31.9	
	33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	84	1803886	30.0	31.6	
	34 4-Methylphenol	108	4.726	4.732	-0.006	92	2078819	30.0	34.5	
	35 N-Nitrosomorpholine	56	4.749	4.743	0.006	83	1368944	30.0	31.7	
	36 2-Toluidine	106	4.755	4.755	0.000	94	2809329	30.0	31.0	
	37 Hexachloroethane	117	4.814	4.819	-0.005	95	847847	30.0	29.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	89	5638985	60.0	65.2	
40 Nitrobenzene	77	4.884	4.884	0.000	85	2704843	30.0	31.9	
41 N-Nitrosopiperidine	114	5.030	5.035	-0.005	79	832402	30.0	30.2	
42 Isophorone	82	5.117	5.117	0.000	96	4654017	30.0	31.4	
43 2-Nitrophenol	139	5.187	5.193	-0.006	83	845920	30.0	29.8	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	96	2200994	30.0	33.4	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	90	730862	30.0	30.0	
47 Bis(2-chloroethoxy)methane	93	5.327	5.333	-0.006	96	2400458	30.0	31.6	
49 2,4-Dichlorophenol	162	5.427	5.427	0.000	94	1412259	30.0	33.9	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.503	-0.006	92	1505130	30.0	31.3	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	693092	5.00	5.00	
53 Naphthalene	128	5.573	5.578	-0.005	98	4560544	30.0	30.8	
55 Alpha-Terpineol	59	5.590	5.590	0.000	92	1758241	30.0	31.7	
56 4-Chloroaniline	127	5.637	5.637	0.000	92	2058027	30.0	32.9	
57 2,6-Dichlorophenol	162	5.643	5.643	0.000	91	1357740	30.0	31.9	
58 Hexachloropropene	213	5.660	5.660	0.000	97	1199296	30.0	30.5	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	96	1013349	30.0	32.2	
61 Quinoline	129	5.900	5.900	0.000	92	2932925	30.0	31.4	
63 N-Nitrosodi-n-butylamine	84	5.958	5.964	-0.006	88	1947821	30.0	28.9	
62 Caprolactam	113	5.976	5.970	0.006	76	476042	30.0	30.8	
64 p-Phenylene diamine	108	5.981	5.981	0.000	91	1914096	30.0	30.5	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	1897476	30.0	32.2	
66 Safrole, Total	162	6.162	6.162	0.000	76	1142523	30.0	29.8	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	2644129	30.0	30.7	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	2806979	30.0	31.7	
71 Hexachlorocyclopentadiene	237	6.390	6.390	0.000	97	1353037	30.0	30.1	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.402	-0.006	98	1593176	30.0	30.5	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	77	202326	4.80	4.89	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	84	1033767	30.0	32.3	
S 24 Dinitrotoluene	165				0		60.0	63.0	
80 2,4,5-Trichlorophenol	196	6.554	6.554	0.000	88	1127165	30.0	30.5	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	97	6753511	60.0	58.2	e
82 Isosafrole Peak 2	162	6.659	6.659	0.000	80	1129777	25.2	24.0	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	3872032	30.0	29.4	
84 2-Chloronaphthalene	162	6.705	6.705	0.000	97	3232872	30.0	34.3	M
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	2478110	30.0	27.8	Ma
86 Phenyl ether	170	6.787	6.793	-0.006	84	2007598	30.0	29.7	
87 2-Nitroaniline	138	6.811	6.811	0.001	73	1054341	30.0	31.0	
88 1,4-Naphthoquinone	158	6.881	6.881	0.000	68	1187718	30.0	29.6	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	446970	30.0	31.1	
90 Dimethyl phthalate	163	6.992	6.992	0.000	95	3623404	30.0	29.8	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	78	520365	30.0	30.0	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	78	768667	30.0	31.1	
93 Acenaphthylene	152	7.097	7.097	0.000	99	4539360	30.0	30.2	
95 3-Nitroaniline	138	7.202	7.202	0.000	83	912441	30.0	32.4	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	411545	5.00	5.00	
97 Acenaphthene	153	7.260	7.266	-0.006	97	3148199	30.0	29.7	
98 2,4-Dinitrophenol	184	7.307	7.301	0.006	75	1130648	60.0	67.6	
100 4-Nitrophenol	109	7.383	7.377	0.006	86	1882603	60.0	64.2	
99 Pentachlorobenzene	250	7.389	7.389	0.000	96	1365449	30.0	29.3	
102 2,4-Dinitrotoluene	165	7.429	7.424	0.005	69	1129324	30.0	31.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.429	7.429	0.000	92	4112600	30.0	29.8	
104 1-Naphthylamine	143	7.505	7.505	0.000	96	3045394	30.0	32.1	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	1005883	30.0	30.3	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	3027020	30.0	30.2	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	3865225	30.0	30.7	
109 Thionazin	107	7.745	7.739	0.006	75	688846	30.0	30.8	
108 Fluorene	166	7.756	7.756	0.000	97	3350904	30.0	29.3	
110 4-Chlorophenyl phenyl ether	204	7.762	7.762	0.000	94	1590328	30.0	29.5	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	84	905501	30.0	28.5	
112 4-Nitroaniline	138	7.791	7.786	0.005	73	863765	30.0	29.9	
113 4,6-Dinitro-2-methylphenol	198	7.815	7.809	0.006	69	1439631	60.0	63.4	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	2306588	25.5	24.5	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	5515215	30.0	29.8	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	92	1486988	60.0	62.7	
117 Sulfotepp	97	8.037	8.037	0.000	79	969859	30.0	29.0	
118 1,3,5-Trinitrobenzene	213	8.148	8.142	0.006	81	338234	30.0	32.7	
120 cis-Diallate	86	8.148	8.153	-0.005	87	1295162	22.2	21.1	
119 Phorate	75	8.159	8.159	0.000	93	4960785	30.0	39.5	
121 Phenacetin	108	8.189	8.183	0.006	87	2461722	30.0	30.2	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	1015919	30.0	30.1	
123 trans-Diallate	86	8.235	8.235	0.000	90	472217	7.80	6.89	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	1259772	30.0	29.0	
125 Dimethoate	87	8.329	8.323	0.006	95	1856712	30.0	29.2	
126 Atrazine	200	8.393	8.393	0.000	86	931351	30.0	25.3	
127 Pentachlorophenol	266	8.469	8.469	0.000	91	1785379	60.0	62.8	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	91	3927813	30.0	29.6	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	52	677592	30.0	29.6	
130 Pronamide	173	8.539	8.539	0.000	89	1699591	30.0	28.8	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	803087	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	90	933195	30.0	32.4	
134 Disulfoton	88	8.661	8.661	0.000	96	2783115	30.0	28.2	
132 Phenanthrene	178	8.667	8.667	0.000	96	5353917	30.0	30.1	
135 Anthracene	178	8.714	8.714	0.000	98	5388972	30.0	30.1	
136 Carbazole	167	8.878	8.878	0.000	96	4951156	30.0	31.2	
137 Methyl parathion	109	9.012	9.012	0.000	89	1576568	30.0	30.8	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	6298265	30.0	29.2	e
139 Ethyl Parathion	109	9.386	9.391	-0.005	81	998334	30.0	30.4	
140 4-Nitroquinoline-1-oxide	190	9.415	9.415	0.000	86	546398	30.0	33.5	
142 Octachlorostyrene	308	9.613	9.619	-0.006	91	544207	30.0	26.5	
S 68 Diallate	86				0		30.0	28.0	
143 Isodrin	193	9.648	9.654	-0.006	89	640120	30.0	29.0	
144 Fluoranthene	202	9.800	9.800	0.000	98	5976422	30.0	30.8	
145 Benzidine	184	9.946	9.946	0.000	94	9306451	90.0	72.5	e
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	801148	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	6141884	30.0	30.3	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	7612471	60.0	59.6	e
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	877791	30.0	29.8	
150 Chlorobenzilate	139	10.366	10.366	0.000	81	2130642	30.0	30.9	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	2779104	30.0	28.9	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	2922614	30.0	30.7	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	93	2339837	30.0	33.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		30.0	28.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	2455570	30.0	32.4	
158 4,4'-Methylene bis(2-chloroanil	231	11.277	11.277	0.000	90	1104128	30.0	29.8	
156 Benzo[a]anthracene	228	11.277	11.277	0.000	99	5714915	30.0	31.5	
159 Chrysene	228	11.318	11.318	0.000	97	5261375	30.0	31.0	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.365	-0.006	96	4224302	30.0	31.8	
S 103 Aramite, Total	185		11.583				30.0	ND	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	3592607	30.0	31.0	
162 Di-n-octyl phthalate	149	12.212	12.217	-0.005	99	7164621	30.0	32.6	
164 Benzo[b]fluoranthene	252	12.667	12.661	0.006	96	5907431	30.0	32.5	
163 7,12-Dimethylbenz(a)anthracene	256	12.667	12.661	0.006	75	2326029	30.0	33.5	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	5527501	30.0	30.0	
166 Benzo[a]pyrene	252	13.117	13.117	0.000	78	5498969	30.0	29.1	
* 167 Perylene-d12	264	13.193	13.198	-0.005	99	780877	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.001	91	2597295	30.0	31.0	
169 Dibenz[a,h]acridine	279	14.419	14.425	-0.006	91	4101891	30.0	30.9	
170 Dibenz[a,j]acridine	279	14.495	14.495	0.000	96	4692815	30.0	30.8	
171 Indeno[1,2,3-cd]pyrene	276	14.717	14.717	0.000	99	5459521	30.0	30.7	
172 Dibenz(a,h)anthracene	278	14.757	14.757	0.000	92	5271458	30.0	31.2	
173 Benzo[g,h,i]perylene	276	15.079	15.073	0.006	98	5416409	30.0	31.2	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_8_00042 Amount Added: 1.00 Units: mL

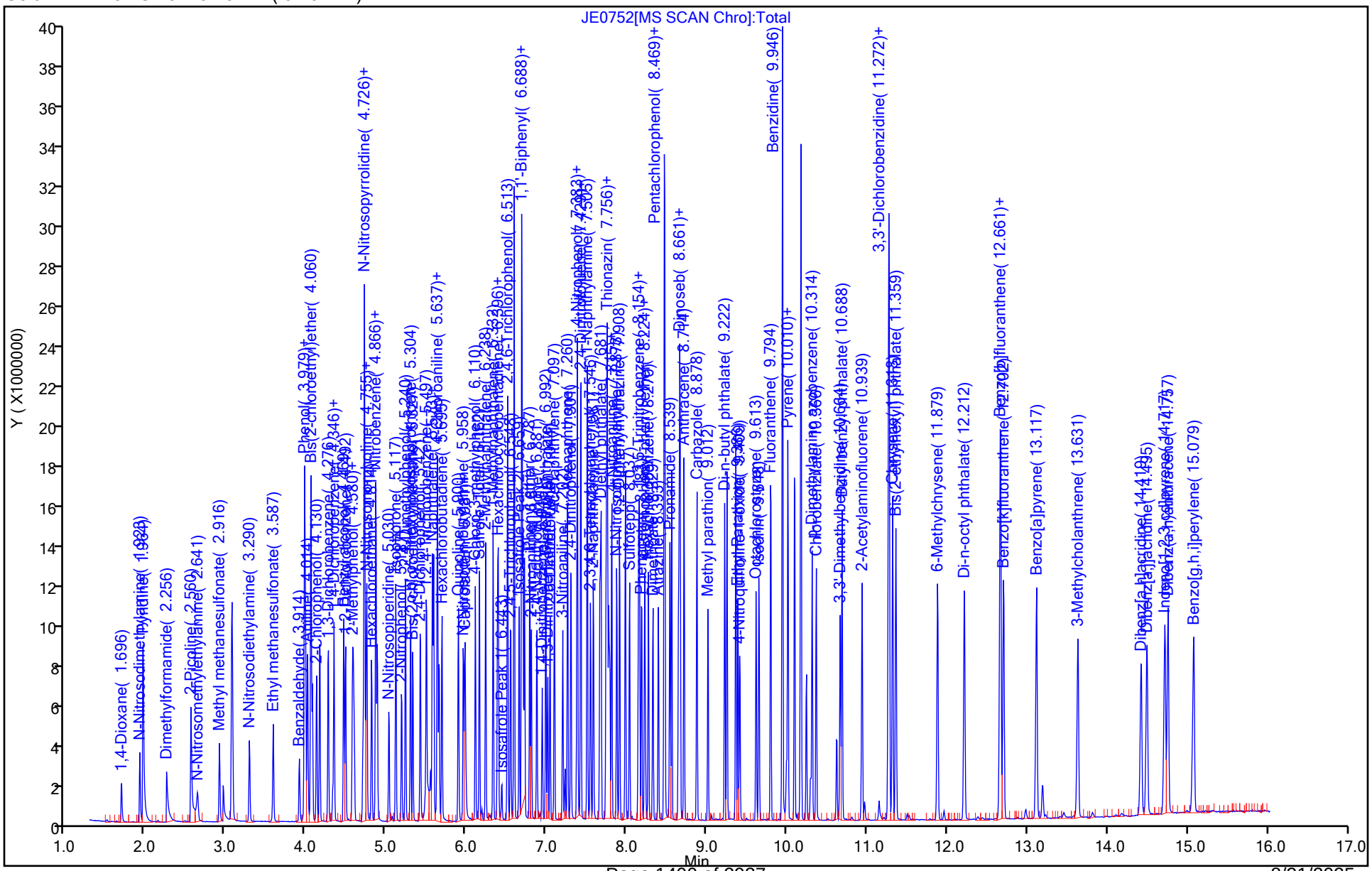
Report Date: 08-May-2025 09:30:49 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D

Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L8			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

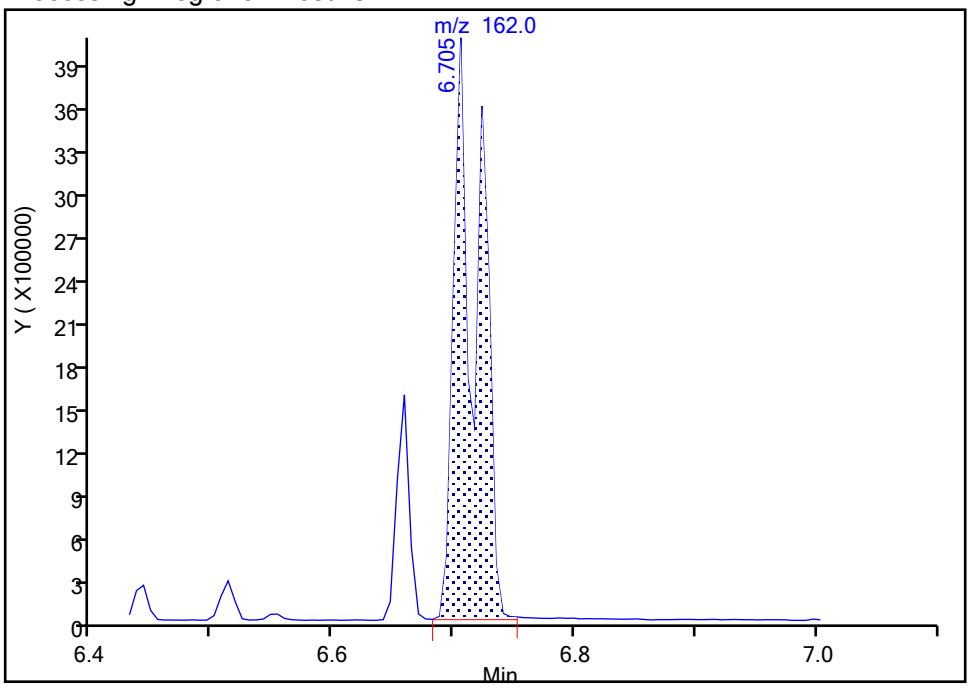
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Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

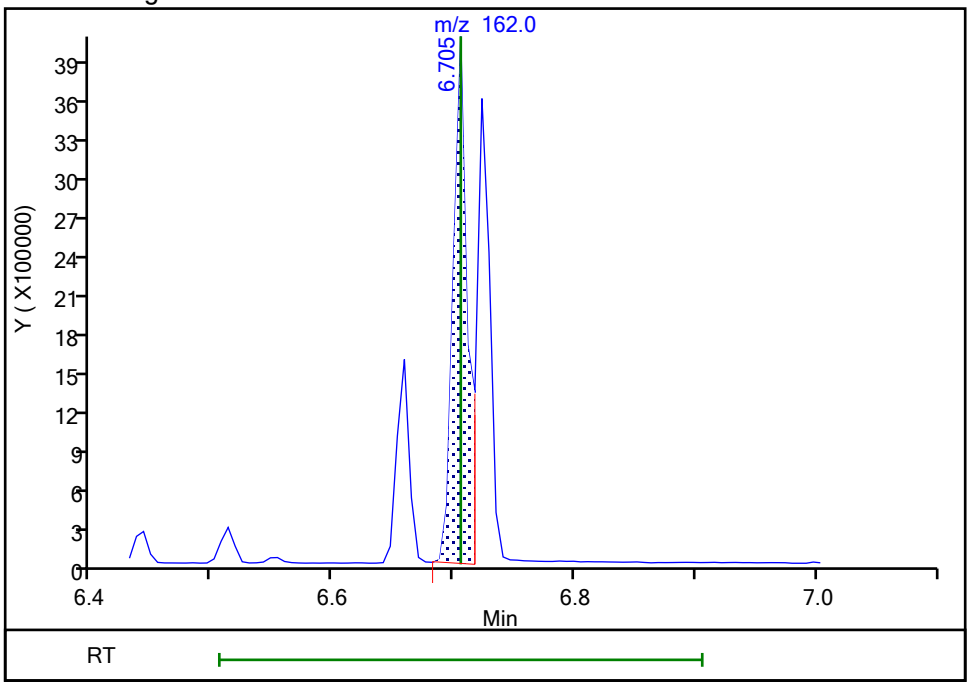
Processing Integration Results

RT: 6.71
Area: 5710983
Amount: 37.875214
Amount Units: ug/ml



Manual Integration Results

RT: 6.71
Area: 3232872
Amount: 34.297172
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:48:17 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

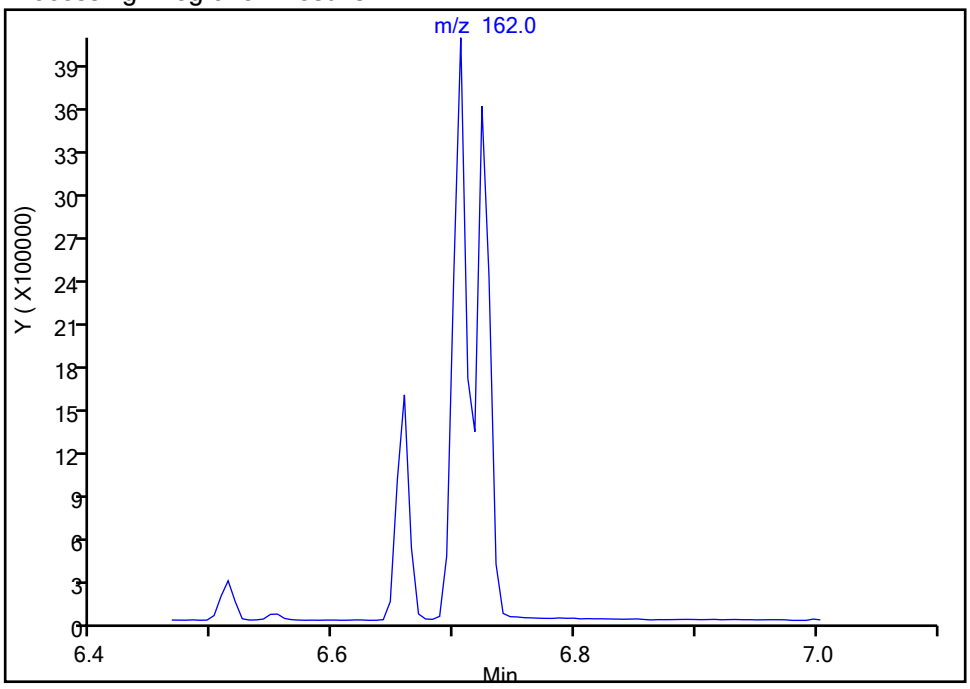
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Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

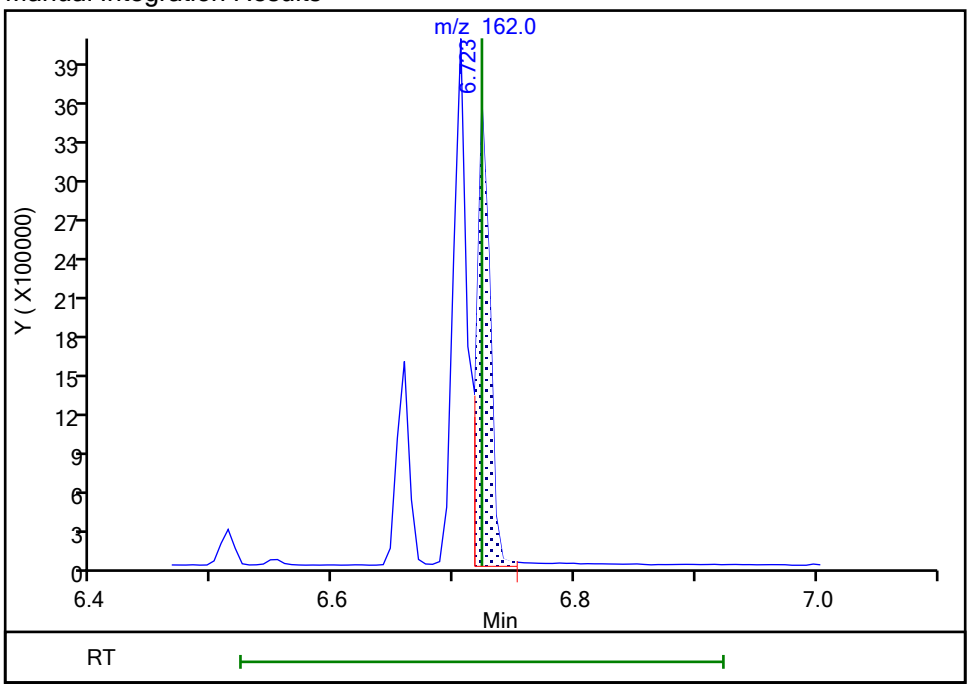
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 2478110
Amount: 27.825681
Amount Units: ug/ml



Reviewer: N5QU, 08-May-2025 00:48:24 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

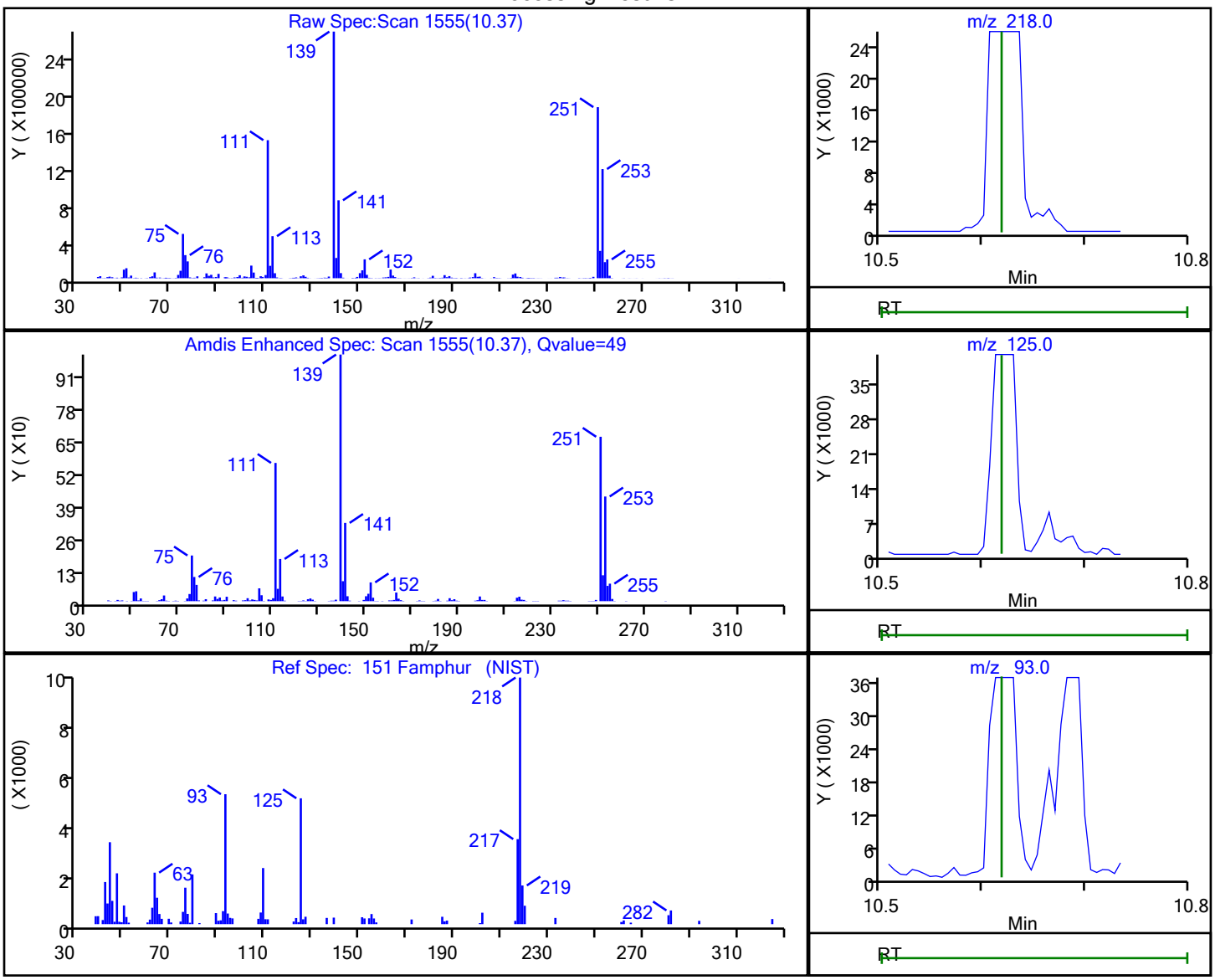
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0752.D				
Injection Date:	08-May-2025 00:10:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.37	218.00	10945	30.000000
10.37	125.00	16392	
10.37	93.00	16003	

Reviewer: N5QU, 08-May-2025 00:50:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 08-May-2025 00:31:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0146504-004
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:09 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: N5QU Date: 08-May-2025 00:54:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.707	-0.011	92	552188	20.0	19.0	
2 N-Nitrosodimethylamine	74	1.923	1.935	-0.012	93	964548	20.0	20.2	
3 Pyridine	79	1.964	1.976	-0.012	97	3150074	40.0	40.3	
4 Dimethylformamide	73	2.262	2.279	-0.017	94	1065668	20.0	20.0	
5 2-Picoline	93	2.560	2.571	-0.011	89	1405312	20.0	19.7	
6 N-Nitrosomethylethylamine	88	2.642	2.653	-0.011	95	618516	20.0	19.3	
7 Methyl methanesulfonate	80	2.916	2.922	-0.006	87	950633	20.0	18.8	
$ 9 2-Fluorophenol	112	3.074	3.074	0.000	93	2486866	40.0	42.7	
11 N-Nitrosodiethylamine	102	3.290	3.295	-0.005	94	594803	20.0	20.7	
12 Ethyl methanesulfonate	109	3.588	3.593	-0.005	94	619010	20.0	20.2	
13 Benzaldehyde	77	3.915	3.914	0.001	90	880573	20.0	12.9	
$ 15 Phenol-d5	99	3.979	3.979	0.000	93	3601673	40.0	41.5	
16 Phenol	94	3.990	3.990	0.000	93	1976971	20.0	21.6	
17 Aniline	93	4.014	4.019	-0.005	94	2227705	20.0	22.0	
18 Bis(2-chloroethyl)ether	93	4.078	4.078	0.000	92	1289617	20.0	19.3	
19 2-Chlorophenol	128	4.125	4.130	-0.005	88	1083595	20.0	20.4	
21 1,3-Dichlorobenzene	146	4.277	4.276	0.001	91	1194608	20.0	20.1	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.335	-0.006	95	196082	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.352	-0.005	87	1216913	20.0	19.4	
26 Benzyl alcohol	108	4.463	4.469	-0.006	85	905889	20.0	21.2	
27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	90	1173690	20.0	20.4	
29 2-Methylphenol	108	4.574	4.580	-0.006	95	1249820	20.0	21.4	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.598	-0.006	88	1466206	20.0	19.3	
31 N-Nitrosopyrrolidine	100	4.703	4.703	0.000	88	708979	20.0	20.2	
32 Acetophenone	105	4.720	4.726	-0.006	94	2118938	20.0	20.7	
33 N-Nitrosodi-n-propylamine	70	4.726	4.726	0.000	82	1294540	20.0	20.8	
34 4-Methylphenol	108	4.726	4.732	-0.006	90	1285734	20.0	19.6	
35 N-Nitrosomorpholine	56	4.744	4.743	0.001	86	968910	20.0	20.6	
36 2-Toluidine	106	4.755	4.755	0.000	94	1957524	20.0	19.8	
37 Hexachloroethane	117	4.814	4.819	-0.005	95	600140	20.0	19.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	3859543	40.0	41.9	
40 Nitrobenzene	77	4.884	4.884	0.000	86	1863013	20.0	20.6	
41 N-Nitrosopiperidine	114	5.030	5.035	-0.005	80	572554	20.0	19.5	
42 Isophorone	82	5.117	5.117	0.000	96	3336829	20.0	21.2	
43 2-Nitrophenol	139	5.187	5.193	-0.006	84	599863	20.0	19.9	
44 2,4-Dimethylphenol	107	5.240	5.240	0.000	95	1537865	20.0	21.9	
46 o,o',o''-Triethylphosphorothioat	198	5.304	5.304	0.000	91	497898	20.0	19.2	
47 Bis(2-chloroethoxy)methane	93	5.328	5.333	-0.005	97	1767772	20.0	21.9	
49 2,4-Dichlorophenol	162	5.421	5.427	-0.006	93	951237	20.0	21.5	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.503	-0.006	92	1072486	20.0	21.0	
* 52 Naphthalene-d8	136	5.555	5.555	0.000	99	737191	5.00	5.00	
53 Naphthalene	128	5.573	5.578	-0.005	98	3242450	20.0	20.6	
55 Alpha-Terpineol	59	5.590	5.590	0.000	92	1243117	20.0	21.1	
56 4-Chloroaniline	127	5.631	5.637	-0.006	91	1431074	20.0	21.5	
57 2,6-Dichlorophenol	162	5.637	5.643	-0.006	84	970402	20.0	21.4	
58 Hexachloropropene	213	5.655	5.660	-0.005	96	827291	20.0	19.8	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	96	722990	20.0	21.6	
61 Quinoline	129	5.894	5.900	-0.006	92	2088307	20.0	21.0	
63 N-Nitrosodi-n-butylamine	84	5.958	5.964	-0.006	88	1384974	20.0	19.3	
62 Caprolactam	113	5.970	5.970	0.000	76	330797	20.0	20.1	
64 p-Phenylene diamine	108	5.982	5.981	0.001	92	1251827	20.0	19.0	
65 4-Chloro-3-methylphenol	107	6.110	6.110	0.000	89	1318534	20.0	21.1	
66 Safrole, Total	162	6.163	6.162	0.001	73	782784	20.0	19.2	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	89	1925646	20.0	21.0	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	1960829	20.0	20.8	
71 Hexachlorocyclopentadiene	237	6.384	6.390	-0.006	95	953909	20.0	19.9	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.402	-0.006	98	1119948	20.0	20.2	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	83	145238	3.20	3.30	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	721285	20.0	21.2	
S 24 Dinitrotoluene	165				0		40.0	41.9	
80 2,4,5-Trichlorophenol	196	6.548	6.554	-0.006	88	812668	20.0	20.7	
$ 81 2-Fluorobiphenyl (Surr)	172	6.595	6.594	0.001	99	5159555	40.0	41.8	
82 Isosafrole Peak 2	162	6.659	6.659	0.000	79	783753	16.8	15.6	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	2700258	20.0	19.3	
84 2-Chloronaphthalene	162	6.706	6.705	0.001	95	1990056	20.0	19.8	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	2054262	20.0	21.7	
86 Phenyl ether	170	6.787	6.793	-0.006	83	1437067	20.0	20.0	
87 2-Nitroaniline	138	6.805	6.811	-0.005	73	723835	20.0	20.0	
88 1,4-Naphthoquinone	158	6.875	6.881	-0.006	68	838802	20.0	19.6	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	83	295027	20.0	19.3	
90 Dimethyl phthalate	163	6.986	6.992	-0.006	95	2588553	20.0	20.0	
91 1,3-Dinitrobenzene	168	7.015	7.015	0.000	79	370275	20.0	20.1	
92 2,6-Dinitrotoluene	165	7.044	7.044	0.000	78	537699	20.0	20.4	
93 Acenaphthylene	152	7.097	7.097	0.000	99	3251906	20.0	20.4	
95 3-Nitroaniline	138	7.202	7.202	0.000	82	637824	20.0	21.3	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	437793	5.00	5.00	
97 Acenaphthene	153	7.260	7.266	-0.006	97	2236765	20.0	19.9	
98 2,4-Dinitrophenol	184	7.301	7.301	0.000	75	780362	40.0	43.8	
100 4-Nitrophenol	109	7.377	7.377	0.000	81	1297371	40.0	41.6	
99 Pentachlorobenzene	250	7.383	7.389	-0.006	96	974337	20.0	19.6	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	77	807008	20.0	21.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.430	7.429	0.001	95	2953275	20.0	20.1	
104 1-Naphthylamine	143	7.506	7.505	0.001	95	2059319	20.0	20.4	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	76	724260	20.0	20.5	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	2123566	20.0	19.9	
107 Diethyl phthalate	149	7.663	7.663	0.000	95	2745146	20.0	20.5	
109 Thionazin	107	7.739	7.739	0.000	73	496165	20.0	20.8	
108 Fluorene	166	7.751	7.756	-0.005	91	2340117	20.0	19.2	
110 4-Chlorophenyl phenyl ether	204	7.757	7.762	-0.005	93	1141239	20.0	19.9	
111 N-Nitro-o-toluidine	152	7.774	7.774	0.000	87	655294	20.0	19.4	
112 4-Nitroaniline	138	7.786	7.786	0.000	73	617771	20.0	20.1	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.809	0.000	68	1030068	40.0	45.2	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	66	1611027	17.0	17.1	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	3903575	20.0	21.0	
$ 116 2,4,6-Tribromophenol	330	7.984	7.984	0.000	93	1079836	40.0	42.8	
117 Sulfotepp	97	8.031	8.037	-0.006	77	684537	20.0	20.4	
118 1,3,5-Trinitrobenzene	213	8.142	8.142	0.000	81	214599	20.0	20.7	
120 cis-Diallate	86	8.148	8.153	-0.005	84	920886	14.8	14.9	
119 Phorate	75	8.160	8.159	0.001	93	2365542	20.0	18.8	
121 Phenacetin	108	8.183	8.183	0.000	88	1723793	20.0	21.1	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	723035	20.0	21.4	
123 trans-Diallate	86	8.235	8.235	0.000	92	317855	5.20	4.62	
124 Hexachlorobenzene	284	8.270	8.270	0.000	93	864599	20.0	19.9	
125 Dimethoate	87	8.323	8.323	0.000	94	1317002	20.0	20.7	
126 Atrazine	200	8.393	8.393	0.000	86	696627	20.0	18.9	
127 Pentachlorophenol	266	8.469	8.469	0.000	91	1241435	40.0	43.5	
129 4-Aminobiphenyl	169	8.475	8.475	0.000	92	2704110	20.0	20.3	
128 Pentachloronitrobenzene	237	8.475	8.475	0.000	51	443013	20.0	19.3	
130 Pronamide	173	8.539	8.539	0.000	89	1180938	20.0	19.9	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	96	805341	5.00	5.00	
133 Dinoseb	211	8.650	8.650	0.000	91	624042	20.0	21.6	
134 Disulfoton	88	8.656	8.661	-0.005	96	1953002	20.0	19.7	
132 Phenanthrene	178	8.668	8.667	0.001	99	3594265	20.0	20.1	
135 Anthracene	178	8.714	8.714	0.000	99	3727435	20.0	20.8	
136 Carbazole	167	8.878	8.878	0.000	97	3462827	20.0	21.8	
137 Methyl parathion	109	9.012	9.012	0.000	89	1061994	20.0	20.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	4557324	20.0	21.1	
139 Ethyl Parathion	109	9.386	9.391	-0.005	80	738416	20.0	22.4	
140 4-Nitroquinoline-1-oxide	190	9.409	9.415	-0.006	85	368304	20.0	22.5	
142 Octachlorostyrene	308	9.613	9.619	-0.006	91	396213	20.0	19.2	
S 68 Diallate	86				0		20.0	19.6	
143 Isodrin	193	9.648	9.654	-0.006	89	455117	20.0	20.5	
144 Fluoranthene	202	9.794	9.800	-0.006	99	4223194	20.0	21.7	
145 Benzidine	184	9.946	9.946	0.000	99	7970064	60.0	61.7	e
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	97	806026	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	4255785	20.0	20.9	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	5650213	40.0	44.0	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	584474	20.0	19.7	
150 Chlorobenzilate	139	10.367	10.366	0.001	82	1534718	20.0	22.1	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	1948308	20.0	20.2	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	2052589	20.0	21.4	
155 2-Acetylaminofluorene	181	10.939	10.939	0.000	92	1562162	20.0	22.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		20.0	18.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.266	0.000	78	1696833	20.0	22.2	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.277	-0.005	87	772230	20.0	20.7	
156 Benzo[a]anthracene	228	11.278	11.277	0.001	99	3920574	20.0	21.5	
159 Chrysene	228	11.318	11.318	0.000	97	3580187	20.0	21.0	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.365	-0.006	96	3003613	20.0	22.5	
S 103 Aramite, Total	185		11.583				20.0	ND	
161 6-Methylchrysene	242	11.879	11.879	0.000	99	2450330	20.0	21.0	
162 Di-n-octyl phthalate	149	12.212	12.217	-0.005	99	5033721	20.0	23.3	
164 Benzo[b]fluoranthene	252	12.661	12.661	0.000	96	3876112	20.0	21.7	
163 7,12-Dimethylbenz(a)anthracene	256	12.661	12.661	0.000	72	1515484	20.0	22.2	
165 Benzo[k]fluoranthene	252	12.702	12.702	0.000	100	3939512	20.0	21.8	
166 Benzo[a]pyrene	252	13.111	13.117	-0.006	78	3796128	20.0	20.5	
* 167 Perylene-d12	264	13.193	13.198	-0.005	98	767251	5.00	5.00	
168 3-Methylcholanthrene	268	13.631	13.631	0.001	90	1745830	20.0	21.2	
169 Dibenz[a,h]acridine	279	14.419	14.425	-0.006	92	2774940	20.0	21.3	
170 Dibenz[a,j]acridine	279	14.489	14.495	-0.006	96	3141039	20.0	21.0	
171 Indeno[1,2,3-cd]pyrene	276	14.711	14.717	-0.006	99	3736568	20.0	21.4	
172 Dibenz(a,h)anthracene	278	14.752	14.757	-0.005	92	3647088	20.0	22.0	
173 Benzo[g,h,i]perylene	276	15.073	15.073	0.000	98	3697286	20.0	21.7	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_7_00043 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:31:10 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D

Injection Date: 08-May-2025 00:31:30 Instrument ID: HP23264 Operator ID: IR93211

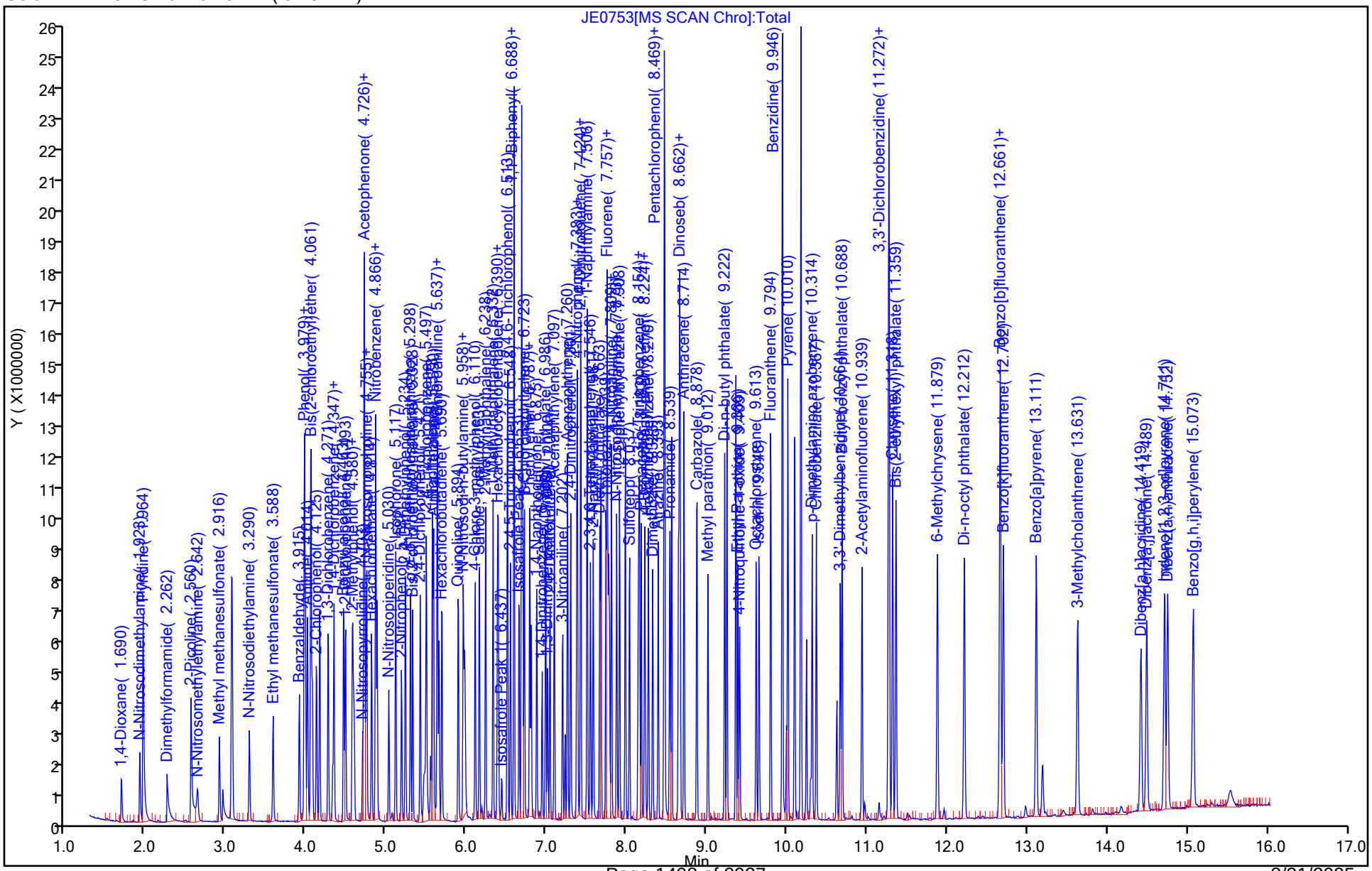
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



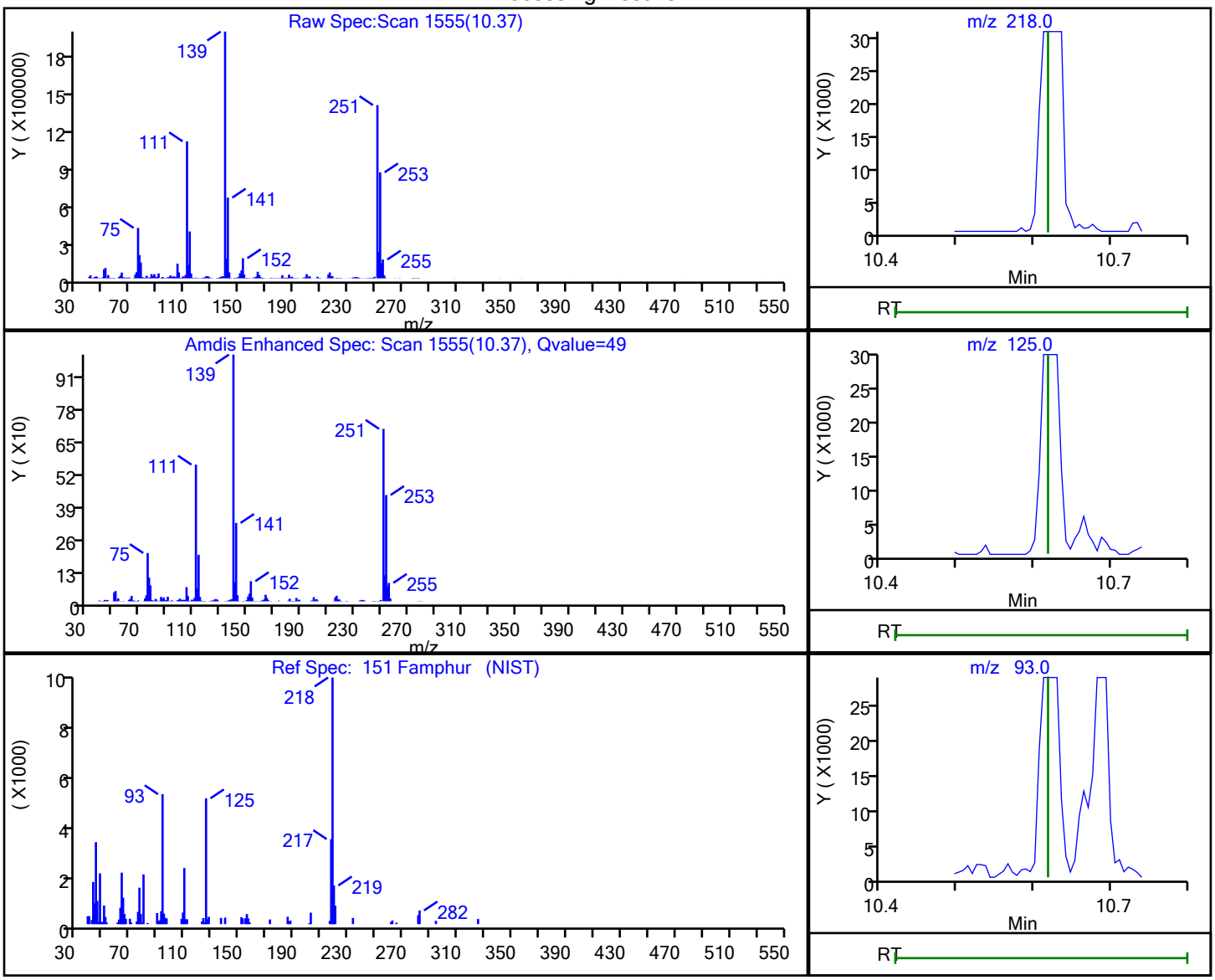
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0753.D				
Injection Date:	08-May-2025 00:31:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.37	218.00	11160	20.000000
10.37	125.00	10455	
10.37	93.00	10747	

Reviewer: N5QU, 08-May-2025 00:53:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0754.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 08-May-2025 00:53:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0146504-005
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:31 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:55:15

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.695	1.695	0.000	96	195873	7.50	7.18	
	2 N-Nitrosodimethylamine	74	1.929	1.929	0.000	94	327681	7.50	7.31	
	3 Pyridine	79	1.970	1.970	0.000	97	1100835	15.0	15.0	
	4 Dimethylformamide	73	2.291	2.291	0.000	93	378499	7.50	7.59	
	5 2-Picoline	93	2.565	2.565	0.000	91	509261	7.50	7.61	
	6 N-Nitrosomethylethylamine	88	2.641	2.641	0.000	95	232721	7.50	7.75	
	7 Methyl methanesulfonate	80	2.916	2.916	0.000	88	359365	7.50	7.57	
$	9 2-Fluorophenol	112	3.068	3.068	0.000	93	843782	15.0	15.4	
	11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	94	210984	7.50	7.82	
	12 Ethyl methanesulfonate	109	3.587	3.587	0.000	94	216876	7.50	7.54	
	13 Benzaldehyde	77	3.914	3.914	0.000	89	506605	7.50	7.90	
$	15 Phenol-d5	99	3.973	3.973	0.000	93	1192554	15.0	14.6	
	16 Phenol	94	3.990	3.990	0.000	92	658069	7.50	7.66	
	17 Aniline	93	4.014	4.014	0.000	93	744969	7.50	7.85	
	18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	93	450152	7.50	7.19	
	19 2-Chlorophenol	128	4.124	4.124	0.000	91	390014	7.50	7.84	
	21 1,3-Dichlorobenzene	146	4.270	4.270	0.000	91	412718	7.50	7.40	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	94	183956	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.346	4.346	0.000	87	433955	7.50	7.36	
	26 Benzyl alcohol	108	4.463	4.463	0.000	86	308502	7.50	7.68	
	27 1,2-Dichlorobenzene	146	4.492	4.492	0.000	91	410664	7.50	7.61	
	29 2-Methylphenol	108	4.574	4.574	0.000	94	449899	7.50	8.22	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	88	514939	7.50	7.21	
	31 N-Nitrosopyrrolidine	100	4.697	4.697	0.000	92	251201	7.50	7.65	
	32 Acetophenone	105	4.720	4.720	0.000	83	719592	7.50	7.49	
	33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	451546	7.50	7.74	
	34 4-Methylphenol	108	4.726	4.726	0.000	91	497091	7.50	8.07	
	35 N-Nitrosomorpholine	56	4.738	4.738	0.000	87	331119	7.50	7.52	
	36 2-Toluidine	106	4.755	4.755	0.000	94	694989	7.50	7.50	
	37 Hexachloroethane	117	4.814	4.814	0.000	95	211304	7.50	7.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	1340106	15.0	15.3	
40 Nitrobenzene	77	4.884	4.884	0.000	85	663001	7.50	7.75	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	78	198449	7.50	7.14	
42 Isophorone	82	5.111	5.111	0.000	96	1136965	7.50	7.61	
43 2-Nitrophenol	139	5.187	5.187	0.000	86	210288	7.50	7.35	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	523159	7.50	7.86	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	90	184706	7.50	7.52	
47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	97	612213	7.50	7.98	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	96	349203	7.50	8.31	
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	91	365227	7.50	7.53	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	699161	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	1101478	7.50	7.38	
55 Alpha-Terpineol	59	5.584	5.584	0.000	92	434269	7.50	7.76	
56 4-Chloroaniline	127	5.631	5.631	0.000	91	489667	7.50	7.77	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	86	327701	7.50	7.62	
58 Hexachloropropene	213	5.654	5.654	0.000	96	281562	7.50	7.09	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	95	260214	7.50	8.19	
61 Quinoline	129	5.894	5.894	0.000	92	726311	7.50	7.71	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	84	500651	7.50	7.37	
62 Caprolactam	113	5.958	5.958	0.000	54	118277	7.50	7.59	
64 p-Phenylene diamine	108	5.975	5.975	0.000	91	478796	7.50	8.16	
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	89	472165	7.50	7.95	
66 Safrole, Total	162	6.162	6.162	0.000	76	300096	7.50	7.76	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	649382	7.50	7.47	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	91	701944	7.50	7.86	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	95	333486	7.50	7.55	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	98	391855	7.50	7.64	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	81	51486	1.20	1.27	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	251084	7.50	7.99	
S 24 Dinitrotoluene	165				0		15.0	15.6	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	275379	7.50	7.60	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	99	1737548	15.0	15.3	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	79	287790	6.30	6.23	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	914516	7.50	7.08	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	97	735696	7.50	7.95	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	95	669556	7.50	7.66	
86 Phenyl ether	170	6.787	6.787	0.000	86	500135	7.50	7.53	
87 2-Nitroaniline	138	6.805	6.805	0.000	71	238866	7.50	7.16	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	68	298572	7.50	7.57	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	114433	7.50	8.12	
90 Dimethyl phthalate	163	6.986	6.986	0.000	95	878797	7.50	7.36	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	79	126554	7.50	7.44	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	80	188113	7.50	7.74	
93 Acenaphthylene	152	7.097	7.097	0.000	99	1129922	7.50	7.67	
95 3-Nitroaniline	138	7.196	7.196	0.000	85	212660	7.50	7.68	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	95	403979	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	764667	7.50	7.36	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	75	291812	17.5	17.8	
100 4-Nitrophenol	109	7.371	7.371	0.000	82	436238	15.0	15.2	
99 Pentachlorobenzene	250	7.383	7.383	0.000	96	348362	7.50	7.61	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	78	271744	7.50	7.82	
101 Dibenzofuran	168	7.424	7.424	0.000	95	1058868	7.50	7.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.505	7.505	0.000	95	740598	7.50	7.95	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	76	249474	7.50	7.66	
106 2-Naphthylamine	143	7.581	7.581	0.000	92	765846	7.50	7.79	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	955237	7.50	7.73	
109 Thionazin	107	7.733	7.733	0.000	74	163912	7.50	7.46	
108 Fluorene	166	7.751	7.751	0.000	91	810785	7.50	7.22	
110 4-Chlorophenyl phenyl ether	204	7.756	7.756	0.000	94	402693	7.50	7.61	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	86	223279	7.50	7.17	
112 4-Nitroaniline	138	7.774	7.774	0.000	73	214303	7.50	7.57	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	65	330689	15.0	16.1	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	68	555989	6.38	6.51	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	97	1333677	7.50	7.94	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	91	351354	15.0	15.1	
117 Sulfotepp	97	8.031	8.031	0.000	78	230420	7.50	7.61	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	71976	7.50	7.67	
120 cis-Diallate	86	8.148	8.148	0.000	87	311544	5.55	5.59	
119 Phorate	75	8.159	8.159	0.000	93	788571	7.50	6.93	
121 Phenacetin	108	8.171	8.171	0.000	88	603742	7.50	8.16	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	243165	7.50	7.95	
123 trans-Diallate	86	8.235	8.235	0.000	91	118662	1.95	1.91	
124 Hexachlorobenzene	284	8.270	8.270	0.000	94	308661	7.50	7.84	
125 Dimethoate	87	8.317	8.317	0.000	95	464681	7.50	8.06	
126 Atrazine	200	8.387	8.387	0.000	86	254894	7.50	7.65	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	402973	15.0	15.6	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	91	948525	7.50	7.88	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	73	165040	7.50	7.96	
130 Pronamide	173	8.533	8.533	0.000	88	420394	7.50	7.85	
* 131 Phenanthrene-d10	188	8.644	8.644	0.000	97	728024	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	91	214752	7.50	8.23	
134 Disulfoton	88	8.656	8.656	0.000	96	684374	7.50	7.65	
132 Phenanthrene	178	8.661	8.661	0.000	97	1248657	7.50	7.73	
135 Anthracene	178	8.714	8.714	0.000	99	1256395	7.50	7.75	
136 Carbazole	167	8.872	8.872	0.000	97	1182587	7.50	8.23	
137 Methyl parathion	109	9.012	9.012	0.000	89	370789	7.50	7.99	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	1500114	7.50	7.67	
139 Ethyl Parathion	109	9.385	9.385	0.000	80	229456	7.50	7.70	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	82	108061	7.50	7.30	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	135038	7.50	7.26	
S 68 Diallate	86				0		7.50	7.50	
143 Isodrin	193	9.648	9.648	0.000	89	154336	7.50	7.56	
144 Fluoranthene	202	9.794	9.794	0.000	99	1368557	7.50	7.77	
145 Benzidine	184	9.940	9.940	0.000	99	3014318	22.5	24.9	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	99	753624	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	1443973	7.50	7.57	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	1875354	15.0	15.6	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	90	206283	7.50	7.44	
150 Chlorobenzilate	139	10.361	10.361	0.000	81	504007	7.50	7.77	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	710695	7.50	7.87	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	665489	7.50	7.44	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	93	527897	7.50	7.98	
S 94 Isosafrole	162				0		7.50	7.49	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	78	541216	7.50	7.59	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	11.271	11.271	0.000	66	259701	7.50	7.44	
156 Benzo[a]anthracene	228	11.271	11.271	0.000	99	1316086	7.50	7.71	
159 Chrysene	228	11.312	11.312	0.000	97	1201661	7.50	7.53	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	96	961757	7.50	7.70	
161 6-Methylchrysene	242	11.873	11.873	0.000	98	834171	7.50	7.65	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	1547035	7.50	7.64	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	1330449	7.50	7.94	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	71	526869	7.50	8.25	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	1310150	7.50	7.73	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	1286461	7.50	7.41	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	718924	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	92	579381	7.50	7.50	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	92	988160	7.50	8.09	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1106097	7.50	7.89	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	1273432	7.50	7.78	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	1253957	7.50	8.06	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	98	1289879	7.50	8.08	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_5_00053 Amount Added: 1.00 Units: mL

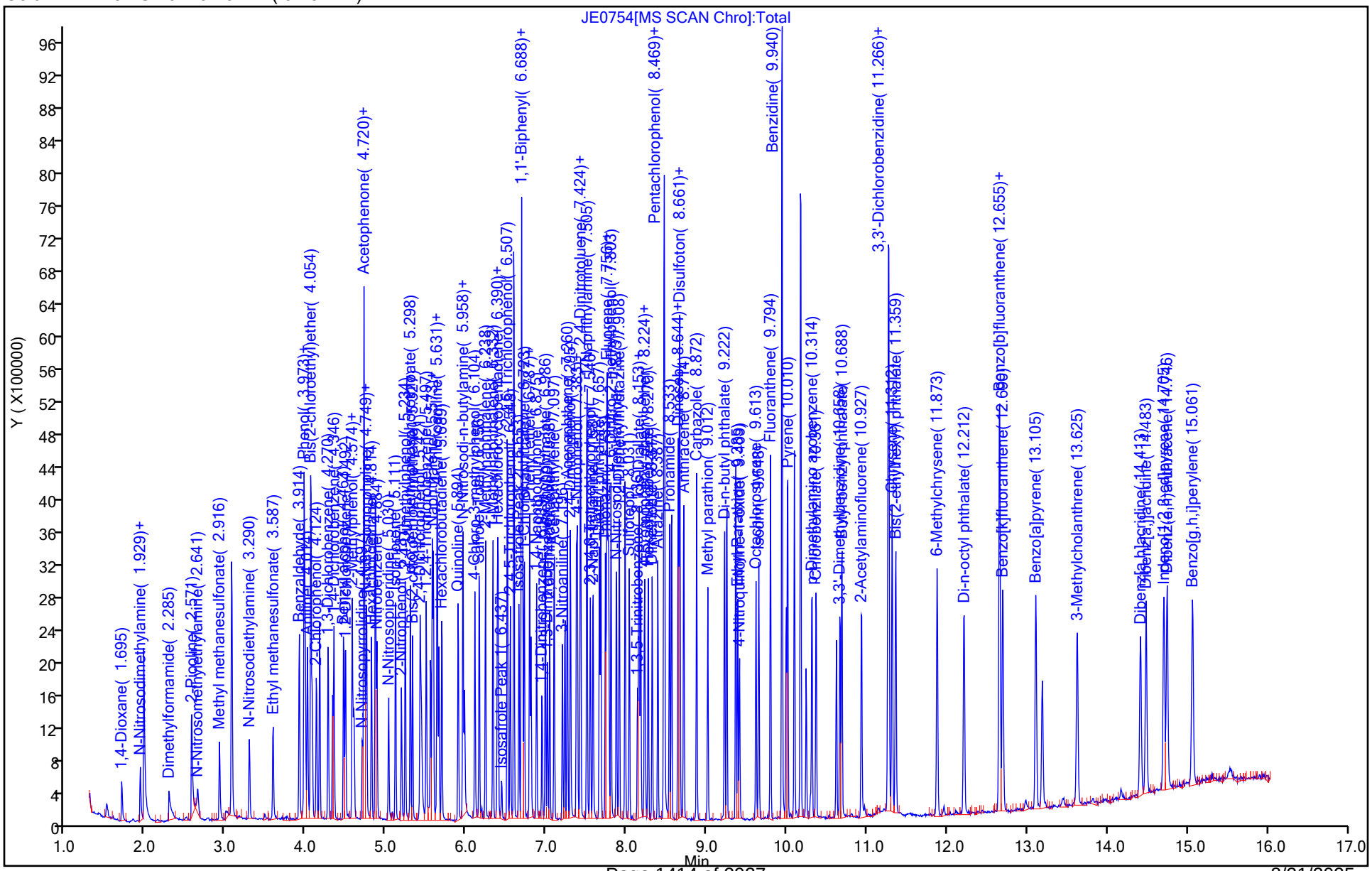
Report Date: 08-May-2025 09:31:32 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0754.D

Injection Date:	08-May-2025 00:53:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L5			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 08-May-2025 01:14:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0146504-006
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:31:52 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:57:14

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.696	1.695	0.001	93	104963	3.75	3.63	Ma
	2 N-Nitrosodimethylamine	74	1.929	1.929	0.000	94	160539	3.75	3.38	
	3 Pyridine	79	1.976	1.970	0.006	96	513500	7.50	6.61	
	4 Dimethylformamide	73	2.309	2.291	0.018	85	198121	3.75	3.74	M
	5 2-Picoline	93	2.571	2.565	0.006	87	231055	3.75	3.26	
	6 N-Nitrosomethylethylamine	88	2.647	2.641	0.006	97	109050	3.75	3.42	
	7 Methyl methanesulfonate	80	2.916	2.916	0.000	87	174411	3.75	3.46	
$	9 2-Fluorophenol	112	3.068	3.068	0.000	92	406637	7.50	7.02	
	11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	96	95002	3.75	3.32	
	12 Ethyl methanesulfonate	109	3.587	3.587	0.000	95	107702	3.75	3.53	
	13 Benzaldehyde	77	3.914	3.914	0.000	92	231362	3.75	3.40	
$	15 Phenol-d5	99	3.973	3.973	0.000	93	583695	7.50	6.76	
	16 Phenol	94	3.985	3.990	-0.005	91	278800	3.75	3.06	
	17 Aniline	93	4.014	4.014	0.000	94	362638	3.75	3.60	
	18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	90	219381	3.75	3.30	
	19 2-Chlorophenol	128	4.125	4.124	0.001	90	188723	3.75	3.58	
	21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	92	212013	3.75	3.58	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	195081	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	87	207823	3.75	3.32	
	26 Benzyl alcohol	108	4.463	4.463	0.000	87	148859	3.75	3.49	
	27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	88	207580	3.75	3.63	
	29 2-Methylphenol	108	4.574	4.574	0.000	94	203839	3.75	3.51	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	89	259212	3.75	3.42	
	31 N-Nitrosopyrrolidine	100	4.697	4.697	0.000	85	119225	3.75	3.42	
	32 Acetophenone	105	4.720	4.720	0.000	85	360924	3.75	3.54	
	33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	69	214719	3.75	3.47	
	34 4-Methylphenol	108	4.726	4.726	0.000	89	208088	3.75	3.19	
	35 N-Nitrosomorpholine	56	4.738	4.738	0.000	84	148631	3.75	3.18	
	36 2-Toluidine	106	4.749	4.755	-0.006	94	336870	3.75	3.43	
	37 Hexachloroethane	117	4.814	4.814	0.000	92	99519	3.75	3.23	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.860	4.866	-0.006	88	642901	7.50	7.29	
40 Nitrobenzene	77	4.884	4.884	0.000	86	315365	3.75	3.65	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	78	90307	3.75	3.22	
42 Isophorone	82	5.111	5.111	0.000	95	539688	3.75	3.58	
43 2-Nitrophenol	139	5.187	5.187	0.000	84	99124	3.75	3.43	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	252040	3.75	3.75	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	89632	3.75	3.61	
47 Bis(2-chloroethoxy)methane	93	5.328	5.327	0.001	95	290682	3.75	3.76	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	91	155987	3.75	3.68	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	89	192490	3.75	3.93	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	100	705780	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	547112	3.75	3.63	
55 Alpha-Terpineol	59	5.584	5.584	0.000	90	205534	3.75	3.64	
56 4-Chloroaniline	127	5.631	5.631	0.000	94	247236	3.75	3.88	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	86	166557	3.75	3.84	
58 Hexachloropropene	213	5.654	5.654	0.000	95	136744	3.75	3.41	
59 Hexachlorobutadiene	225	5.690	5.695	-0.005	96	125470	3.75	3.91	
61 Quinoline	129	5.894	5.894	0.000	92	363563	3.75	3.82	
63 N-Nitrosodi-n-butylamine	84	5.952	5.958	-0.006	93	244095	3.75	3.56	
62 Caprolactam	113	5.952	5.958	-0.006	75	55257	3.75	3.51	
64 p-Phenylene diamine	108	5.976	5.975	0.001	93	167672	3.75	3.35	
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	89	208939	3.75	3.49	
66 Safrole, Total	162	6.157	6.162	-0.005	79	146930	3.75	3.76	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	90	319115	3.75	3.64	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	337849	3.75	3.75	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	93	163181	3.75	3.52	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	96	204366	3.75	3.80	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	77	24475	0.6000	0.5736	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	88	122043	3.75	3.70	
S 24 Dinitrotoluene	165				0		7.50	7.64	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	87	141001	3.75	3.70	
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	99	867851	7.50	7.26	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	80	137378	3.15	2.83	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	453663	3.75	3.34	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	98	361109	3.75	3.72	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	326982	3.75	3.56	
86 Phenyl ether	170	6.787	6.787	0.000	81	239096	3.75	3.43	
87 2-Nitroaniline	138	6.805	6.805	0.000	75	130020	3.75	3.71	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	66	144278	3.75	3.48	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	80	52818	3.75	3.57	
90 Dimethyl phthalate	163	6.986	6.986	0.000	94	455122	3.75	3.63	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	82	64771	3.75	3.63	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	82	101330	3.75	3.97	
93 Acenaphthylene	152	7.097	7.097	0.000	99	542137	3.75	3.50	
95 3-Nitroaniline	138	7.196	7.196	0.000	82	111648	3.75	3.84	
* 96 Acenaphthene-d10	164	7.231	7.231	0.000	96	424307	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	98	377681	3.75	3.46	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	75	189915	11.3	11.0	
100 4-Nitrophenol	109	7.371	7.371	0.000	86	206479	7.50	6.83	
99 Pentachlorobenzene	250	7.383	7.383	0.000	95	166463	3.75	3.46	
102 2,4-Dinitrotoluene	165	7.418	7.424	-0.006	82	133812	3.75	3.67	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	95	514786	3.75	3.61	
104 1-Naphthylamine	143	7.500	7.505	-0.005	94	355994	3.75	3.64	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	112210	3.75	3.28	
106 2-Naphthylamine	143	7.576	7.581	-0.005	93	364899	3.75	3.53	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	471615	3.75	3.63	
109 Thionazin	107	7.733	7.733	0.000	75	77737	3.75	3.37	
108 Fluorene	166	7.751	7.751	0.000	93	412751	3.75	3.50	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	94	198531	3.75	3.57	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	85	110247	3.75	3.37	
112 4-Nitroaniline	138	7.774	7.774	0.000	75	107846	3.75	3.63	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	67	157182	7.50	7.12	
114 N-Nitrosodiphenylamine	169	7.867	7.873	-0.006	64	294186	3.19	3.22	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	672802	3.75	3.74	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	91	180917	7.50	7.40	
117 Sulfotepp	97	8.031	8.031	0.000	77	123608	3.75	3.81	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	40528	3.75	4.03	
120 cis-Diallate	86	8.148	8.148	0.000	86	162686	2.78	2.72	
119 Phorate	75	8.154	8.159	-0.005	93	378097	3.75	3.10	
121 Phenacetin	108	8.171	8.171	0.000	88	273558	3.75	3.45	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	71	123397	3.75	3.77	
123 trans-Diallate	86	8.230	8.235	-0.005	91	67385	0.9750	1.01	
124 Hexachlorobenzene	284	8.270	8.270	0.000	94	159286	3.75	3.78	
125 Dimethoate	87	8.317	8.317	0.000	94	226036	3.75	3.66	
126 Atrazine	200	8.387	8.387	0.000	86	127090	3.75	3.56	
127 Pentachlorophenol	266	8.463	8.463	0.000	88	182319	7.50	6.60	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	90	447266	3.75	3.47	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	52	82106	3.75	3.70	
130 Pronamide	173	8.533	8.533	0.000	90	211594	3.75	3.69	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	780250	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	90	96616	3.75	3.46	
134 Disulfoton	88	8.656	8.656	0.000	95	340144	3.75	3.55	a
132 Phenanthrene	178	8.662	8.661	0.001	98	615868	3.75	3.56	
135 Anthracene	178	8.714	8.714	0.000	97	654325	3.75	3.76	
136 Carbazole	167	8.872	8.872	0.000	97	594213	3.75	3.86	
137 Methyl parathion	109	9.012	9.012	0.000	89	177220	3.75	3.56	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	739996	3.75	3.53	
139 Ethyl Parathion	109	9.386	9.385	0.001	81	109944	3.75	3.44	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	74	50352	3.75	3.18	
142 Octachlorostyrene	308	9.613	9.613	0.000	89	70889	3.75	3.55	
143 Isodrin	193	9.648	9.648	0.000	89	85980	3.75	3.83	
S 68 Diallate	86				0		3.75	3.74	
144 Fluoranthene	202	9.794	9.794	0.000	98	699052	3.75	3.70	
145 Benzidine	184	9.935	9.940	-0.006	99	1392120	11.3	11.1	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	782637	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	733248	3.75	3.70	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	925854	7.50	7.42	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	90	99096	3.75	3.44	
150 Chlorobenzilate	139	10.361	10.361	0.000	82	246538	3.75	3.66	
151 Famphur	218	10.618	10.618	0.000	86	246002	3.75	3.65	
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	98	356448	3.75	3.80	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	341576	3.75	3.68	
155 2-Acetylaminofluorene	181	10.927	10.933	-0.006	93	235934	3.75	3.44	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		3.75	3.40	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	77	285445	3.75	3.85	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	69	133913	3.75	3.69	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	99	663482	3.75	3.74	
159 Chrysene	228	11.313	11.312	0.000	97	620680	3.75	3.75	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	499167	3.75	3.85	
S 103 Aramite, Total	185		11.583				3.75	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	99	411388	3.75	3.63	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	823508	3.75	3.59	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	93	682741	3.75	3.60	
163 7,12-Dimethylbenz(a)anthracene	256	12.650	12.655	-0.005	69	242490	3.75	3.35	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	99	664125	3.75	3.46	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	672551	3.75	3.42	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	814981	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	306543	3.75	3.50	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	480224	3.75	3.47	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	563608	3.75	3.55	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	661166	3.75	3.56	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	647759	3.75	3.67	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	652982	3.75	3.61	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_4_00040 Amount Added: 1.00 Units: mL

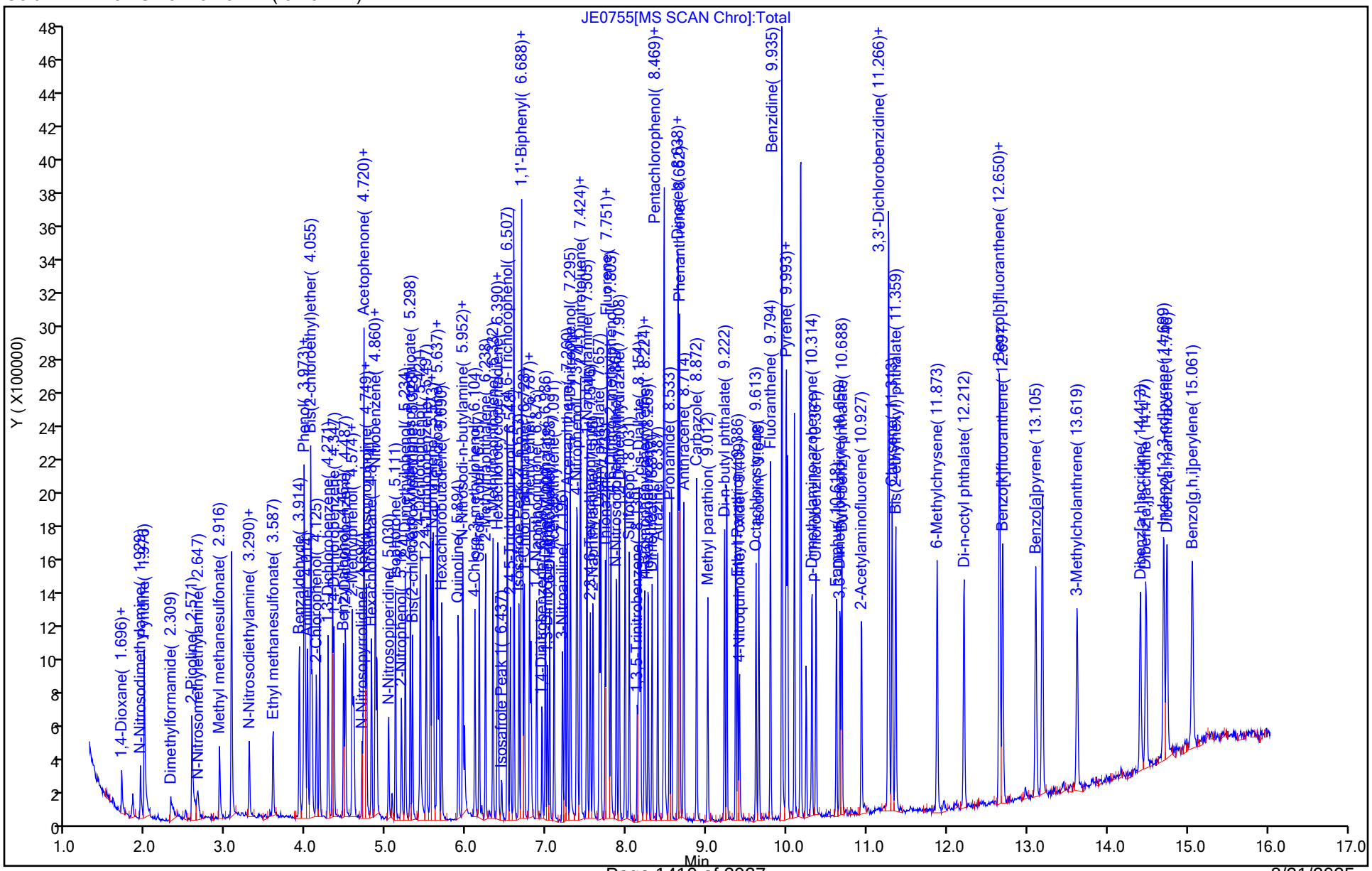
Report Date: 08-May-2025 09:31:52 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0755.D

Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

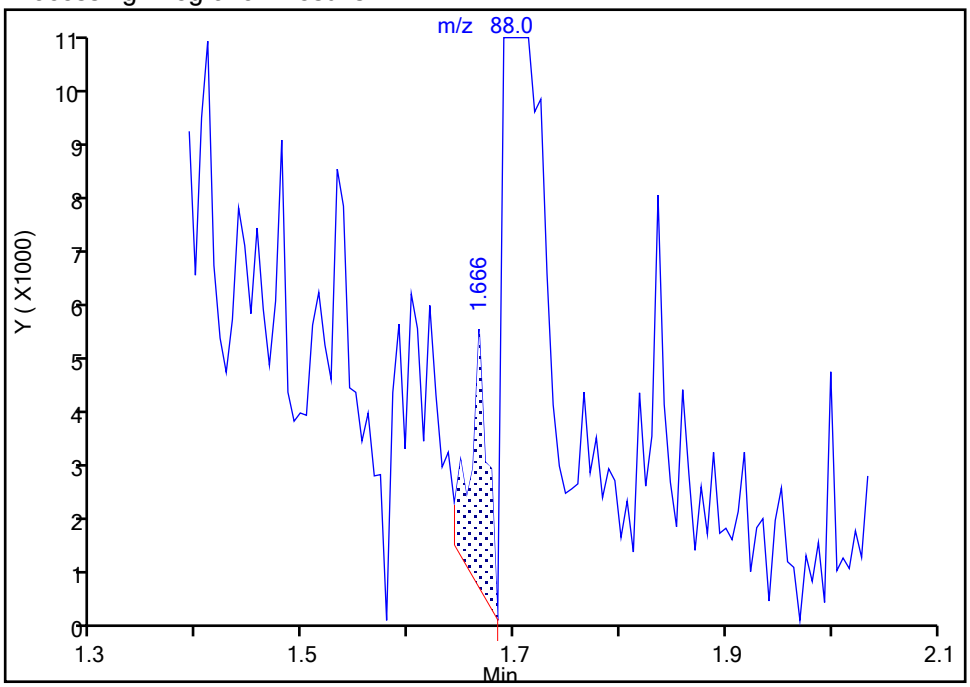
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Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Signal: 1

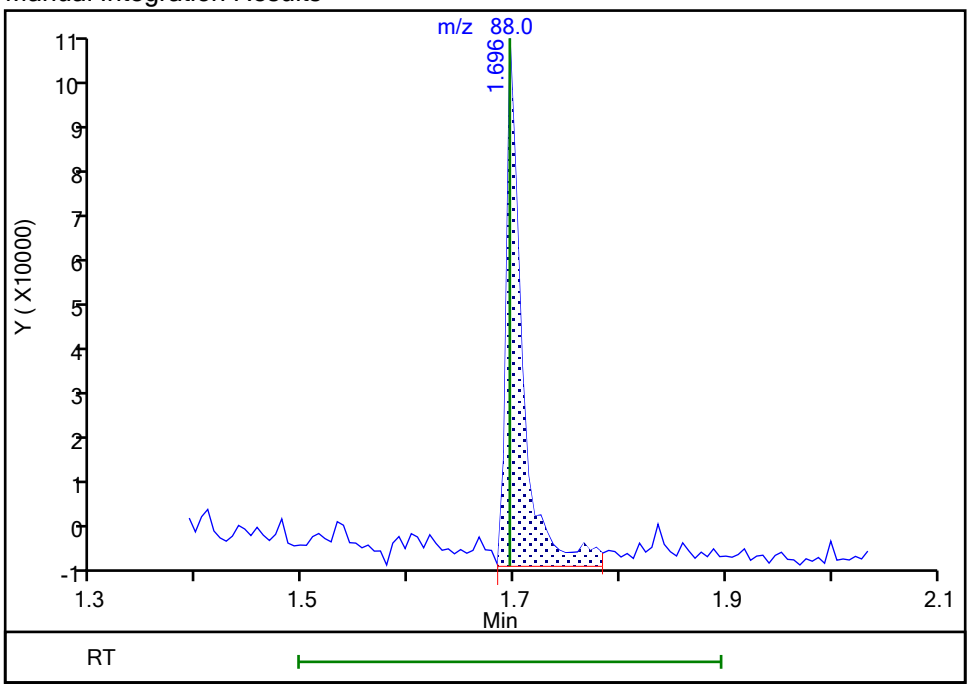
Processing Integration Results

RT: 1.67
Area: 5295
Amount: 0.150935
Amount Units: ug/ml



Manual Integration Results

RT: 1.70
Area: 104963
Amount: 3.625887
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:56:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

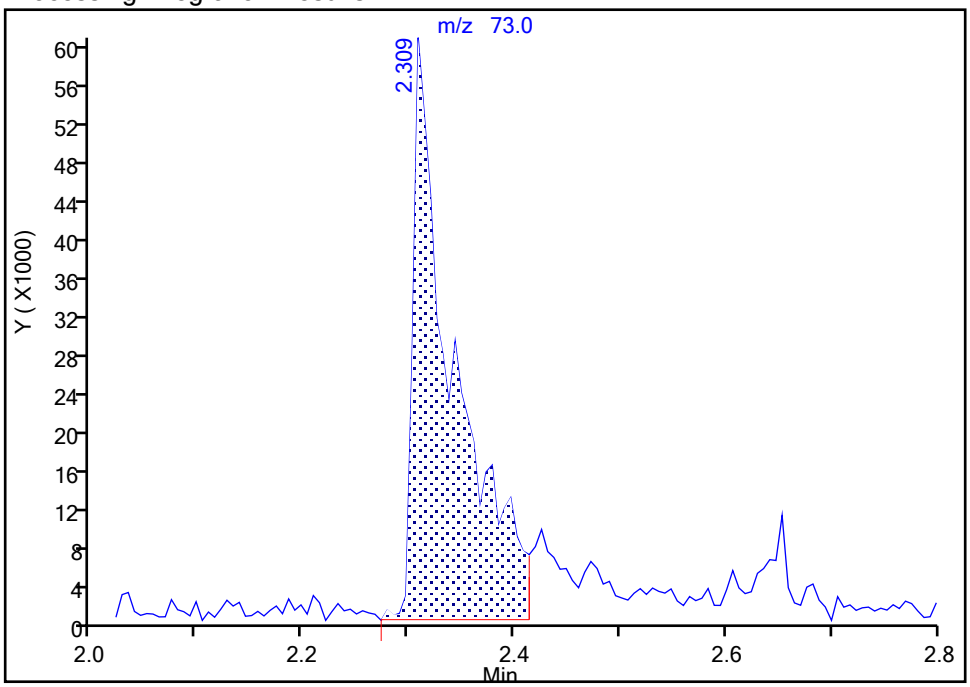
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Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

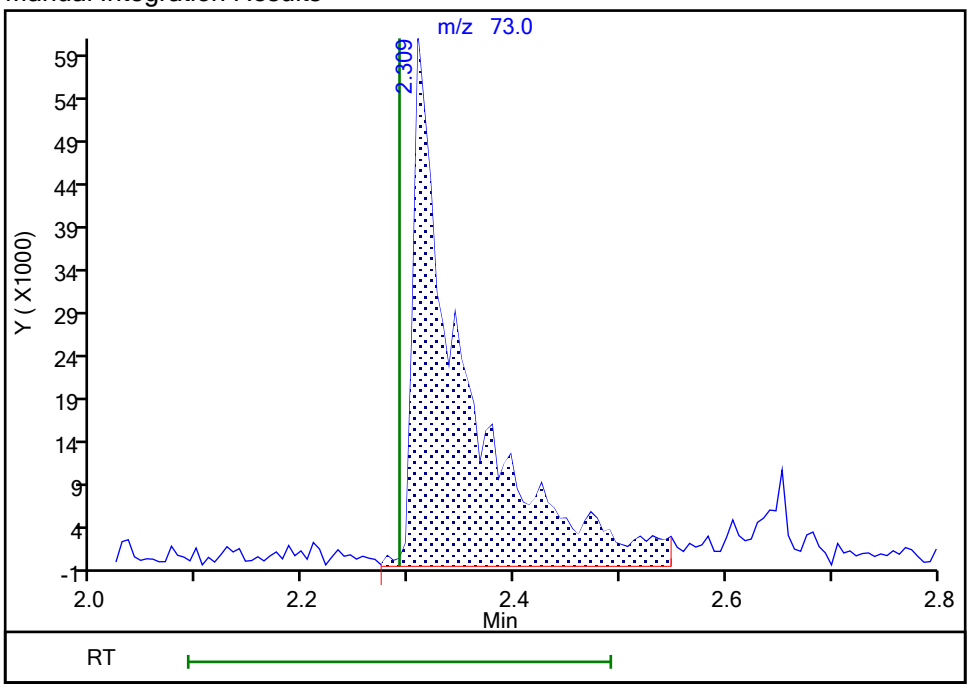
Processing Integration Results

RT: 2.31
Area: 161181
Amount: 0
Amount Units: ug/ml



Manual Integration Results

RT: 2.31
Area: 198121
Amount: 3.744793
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:56:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

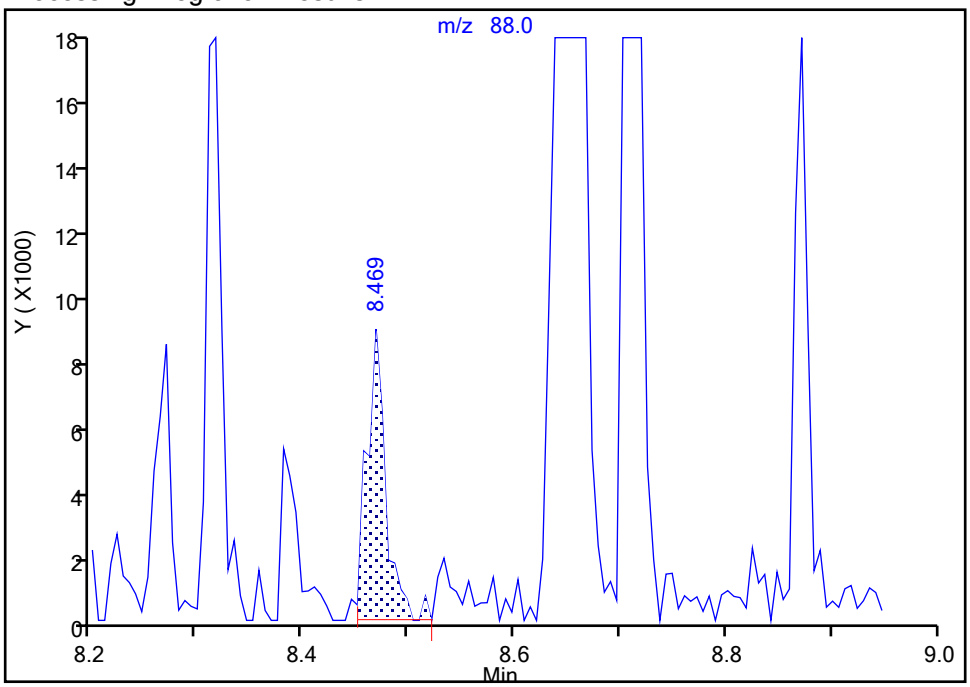
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Injection Date:	08-May-2025 01:14:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

134 Disulfoton, CAS: 298-04-4

Signal: 1

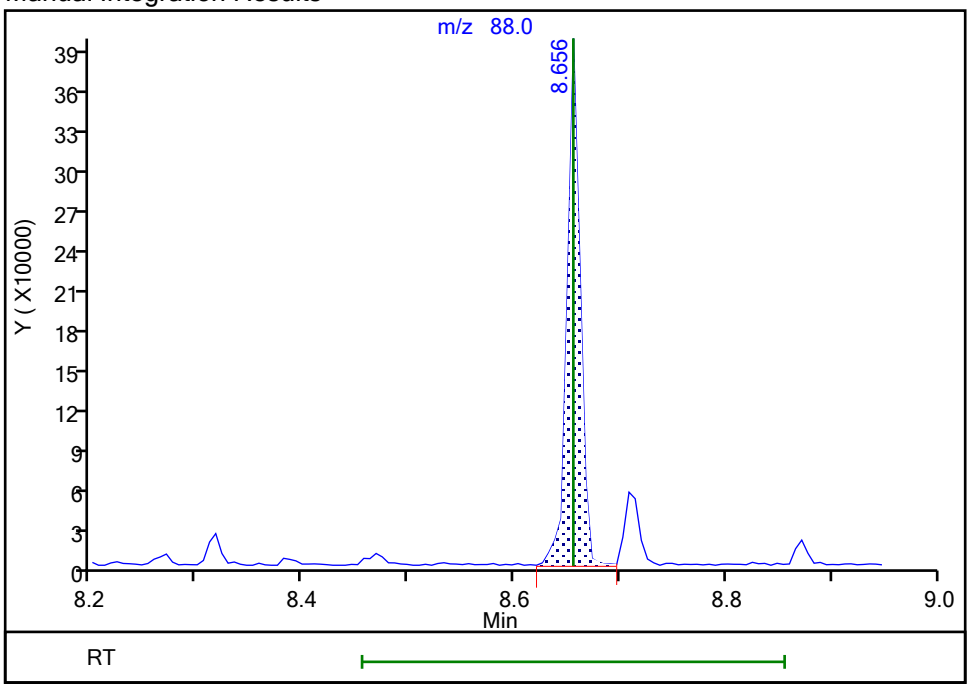
Processing Integration Results

RT: 8.47
Area: 10950
Amount: 0.109781
Amount Units: ug/ml



Manual Integration Results

RT: 8.66
Area: 340144
Amount: 3.548010
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:56:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0756.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 08-May-2025 01:36:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0146504-007
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:11 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 06:58:38

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.702	1.695	0.007	94	38442	1.25	1.43	
	2 N-Nitrosodimethylamine	74	1.941	1.929	0.012	89	46674	1.25	1.06	
	3 Pyridine	79	1.988	1.970	0.018	96	164214	2.50	2.28	
	4 Dimethylformamide	73	2.396	2.291	0.105	83	45259	1.25	0.9228	
	5 2-Picoline	93	2.583	2.565	0.018	86	77690	1.25	1.18	
	6 N-Nitrosomethylethylamine	88	2.601	2.641	-0.040	27	37828	1.25	1.28	
	7 Methyl methanesulfonate	80	2.922	2.916	0.006	89	55995	1.25	1.20	
$	9 2-Fluorophenol	112	3.068	3.068	0.000	91	126393	2.50	2.35	
	11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	92	32280	1.25	1.22	
	12 Ethyl methanesulfonate	109	3.588	3.587	0.001	95	37028	1.25	1.31	
	13 Benzaldehyde	77	3.915	3.914	0.001	86	71707	1.25	1.14	
$	15 Phenol-d5	99	3.973	3.973	0.000	93	190691	2.50	2.38	
	16 Phenol	94	3.990	3.990	0.000	91	100002	1.25	1.18	
	17 Aniline	93	4.020	4.014	0.006	94	107166	1.25	1.15	
	18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	94	78776	1.25	1.28	
	19 2-Chlorophenol	128	4.125	4.124	0.001	87	54154	1.25	1.11	
	21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	89	65453	1.25	1.19	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	96	180842	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	88	67669	1.25	1.17	
	26 Benzyl alcohol	108	4.469	4.463	0.006	85	50311	1.25	1.27	
	27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	90	61140	1.25	1.15	
	29 2-Methylphenol	108	4.574	4.574	0.000	94	63996	1.25	1.19	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	87	81436	1.25	1.16	
	31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	83	34083	1.25	1.06	
	32 Acetophenone	105	4.720	4.720	0.000	88	113461	1.25	1.20	
	33 N-Nitrosodi-n-propylamine	70	4.714	4.720	-0.006	81	64175	1.25	1.12	
	34 4-Methylphenol	108	4.726	4.726	0.000	74	75183	1.25	1.24	
	35 N-Nitrosomorpholine	56	4.738	4.738	0.000	88	50807	1.25	1.17	
	36 2-Toluidine	106	4.750	4.755	-0.005	95	100493	1.25	1.10	
	37 Hexachloroethane	117	4.814	4.814	0.000	90	36425	1.25	1.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.860	4.866	-0.006	89	204583	2.50	2.50	
40 Nitrobenzene	77	4.884	4.884	0.000	80	105261	1.25	1.31	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	76	32600	1.25	1.25	
42 Isophorone	82	5.112	5.111	0.001	95	174691	1.25	1.25	
43 2-Nitrophenol	139	5.187	5.187	0.000	94	35334	1.25	1.32	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	95	74426	1.25	1.19	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	30045	1.25	1.30	
47 Bis(2-chloroethoxy)methane	93	5.328	5.327	0.001	96	95480	1.25	1.33	
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	93	49405	1.25	1.25	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	92	56836	1.25	1.25	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	655447	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	98	175565	1.25	1.26	
55 Alpha-Terpineol	59	5.584	5.584	0.000	91	73799	1.25	1.41	
56 4-Chloroaniline	127	5.637	5.631	0.006	80	72118	1.25	1.22	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	76	47801	1.25	1.19	
58 Hexachloropropene	213	5.655	5.654	0.001	92	41994	1.25	1.13	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	91	37267	1.25	1.25	
61 Quinoline	129	5.900	5.894	0.006	92	114833	1.25	1.30	
63 N-Nitrosodi-n-butylamine	84	5.952	5.958	-0.006	85	90223	1.25	1.42	
62 Caprolactam	113	5.952	5.958	-0.006	50	18278	1.25	1.25	
64 p-Phenylene diamine	108	5.987	5.975	0.012	87	29140	1.25	1.28	
65 4-Chloro-3-methylphenol	107	6.110	6.104	0.006	92	68435	1.25	1.23	
66 Safrole, Total	162	6.163	6.162	0.001	75	44498	1.25	1.23	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	91	104895	1.25	1.29	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	90	102662	1.25	1.23	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	47217	1.25	1.10	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	96	60356	1.25	1.21	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	65	6614	0.2000	0.1668	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	87	38409	1.25	1.25	
S 24 Dinitrotoluene	165				0		2.50	2.47	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	89	42534	1.25	1.20	
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	98	261811	2.50	2.36	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	87	49220	1.05	1.09	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	96	161920	1.25	1.28	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	94	115095	1.25	1.27	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	92	98921	1.25	1.16	
86 Phenyl ether	170	6.787	6.787	0.000	85	75328	1.25	1.16	
87 2-Nitroaniline	138	6.805	6.805	0.000	75	40845	1.25	1.25	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	63	42297	1.25	1.10	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	85	16438	1.25	1.19	
90 Dimethyl phthalate	163	6.986	6.986	0.000	95	142077	1.25	1.22	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	78	21099	1.25	1.27	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	74	28431	1.25	1.20	
93 Acenaphthylene	152	7.091	7.097	-0.006	98	173229	1.25	1.20	
95 3-Nitroaniline	138	7.202	7.196	0.006	87	29492	1.25	1.09	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	95	394242	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	118334	1.25	1.17	
98 2,4-Dinitrophenol	184	7.295	7.295	0.000	80	77932	5.00	4.86	
100 4-Nitrophenol	109	7.377	7.371	0.006	82	85825	3.75	3.06	
99 Pentachlorobenzene	250	7.383	7.383	0.000	93	54089	1.25	1.21	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	43018	1.25	1.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	93	155409	1.25	1.17	
104 1-Naphthylamine	143	7.500	7.505	-0.005	95	110287	1.25	1.21	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	74	38145	1.25	1.20	
106 2-Naphthylamine	143	7.581	7.581	0.000	94	115739	1.25	1.21	
107 Diethyl phthalate	149	7.657	7.657	0.000	95	148319	1.25	1.23	
109 Thionazin	107	7.733	7.733	0.000	79	25323	1.25	1.18	
108 Fluorene	166	7.751	7.751	0.000	90	119797	1.25	1.09	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	91	57940	1.25	1.12	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	80	33448	1.25	1.10	
112 4-Nitroaniline	138	7.780	7.774	0.006	73	33332	1.25	1.21	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	74	76774	3.75	3.60	
114 N-Nitrosodiphenylamine	169	7.868	7.873	-0.005	73	89100	1.06	1.01	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	98	211283	1.25	1.22	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	89	50516	2.50	2.22	
117 Sulfotepp	97	8.031	8.031	0.000	75	36284	1.25	1.16	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	79	10646	1.25	1.10	
120 cis-Diallate	86	8.148	8.148	0.000	84	52477	0.9250	0.9099	
119 Phorate	75	8.154	8.159	-0.005	94	131611	1.25	1.12	
121 Phenacetin	108	8.171	8.171	0.000	89	76518	1.25	1.00	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	76	37351	1.25	1.18	
123 trans-Diallate	86	8.230	8.235	-0.005	80	25352	0.3250	0.3943	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	48634	1.25	1.19	
125 Dimethoate	87	8.317	8.317	0.000	93	66596	1.25	1.12	
126 Atrazine	200	8.387	8.387	0.000	84	42198	1.25	1.22	
127 Pentachlorophenol	266	8.463	8.463	0.000	83	53052	2.50	1.99	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	91	139697	1.25	1.12	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	73	21290	1.25	0.99	
130 Pronamide	173	8.533	8.533	0.000	88	57714	1.25	1.04	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	753435	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	78	29277	1.25	1.08	
134 Disulfoton	88	8.656	8.656	0.000	93	107938	1.25	1.17	a
132 Phenanthrene	178	8.662	8.661	0.001	98	192664	1.25	1.15	
135 Anthracene	178	8.714	8.714	0.000	99	188191	1.25	1.12	
136 Carbazole	167	8.872	8.872	0.000	96	179061	1.25	1.20	
137 Methyl parathion	109	9.012	9.012	0.000	89	50431	1.25	1.05	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	242050	1.25	1.20	
139 Ethyl Parathion	109	9.386	9.385	0.001	79	29337	1.25	0.9509	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	77	14462	1.25	0.9444	
142 Octachlorostyrene	308	9.613	9.613	0.000	79	26733	1.25	1.39	
143 Isodrin	193	9.648	9.648	0.000	87	27515	1.25	1.12	
S 68 Diallate	86				0		1.25	1.30	
144 Fluoranthene	202	9.794	9.794	0.000	98	227628	1.25	1.25	
145 Benzidine	184	9.935	9.940	-0.005	99	416878	3.75	3.38	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	99	768228	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	96	228805	1.25	1.18	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	99	291707	2.50	2.38	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	29156	1.25	1.03	
150 Chlorobenzilate	139	10.361	10.361	0.000	85	70569	1.25	1.07	
151 Famphur	218	10.618	10.618	0.000	86	80126	1.25	1.21	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	97	107180	1.25	1.16	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	95	111060	1.25	1.22	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	89	62418	1.25	0.9259	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		1.25	1.26	
157 3,3'-Dichlorobenzidine	252	11.260	11.260	0.000	76	80138	1.25	1.10	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	65	42180	1.25	1.19	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	203056	1.25	1.17	
159 Chrysene	228	11.313	11.312	0.001	97	185267	1.25	1.14	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	149013	1.25	1.17	
S 103 Aramite, Total	185		11.583				1.25	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	98	131389	1.25	1.18	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	225573	1.25	1.05	
164 Benzo[b]fluoranthene	252	12.656	12.655	0.001	97	200152	1.25	1.13	
163 7,12-Dimethylbenz(a)anthracene	256	12.656	12.655	0.001	70	80469	1.25	1.19	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	99	207726	1.25	1.16	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	206859	1.25	1.12	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	761232	5.00	5.00	
168 3-Methylcholanthrene	268	13.619	13.625	-0.006	92	88511	1.25	1.08	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	156278	1.25	1.21	
170 Dibenz[a,j]acridine	279	14.477	14.483	-0.006	95	165938	1.25	1.12	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	98	200412	1.25	1.16	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	199065	1.25	1.21	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	205318	1.25	1.21	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_3_00041 Amount Added: 1.00 Units: mL

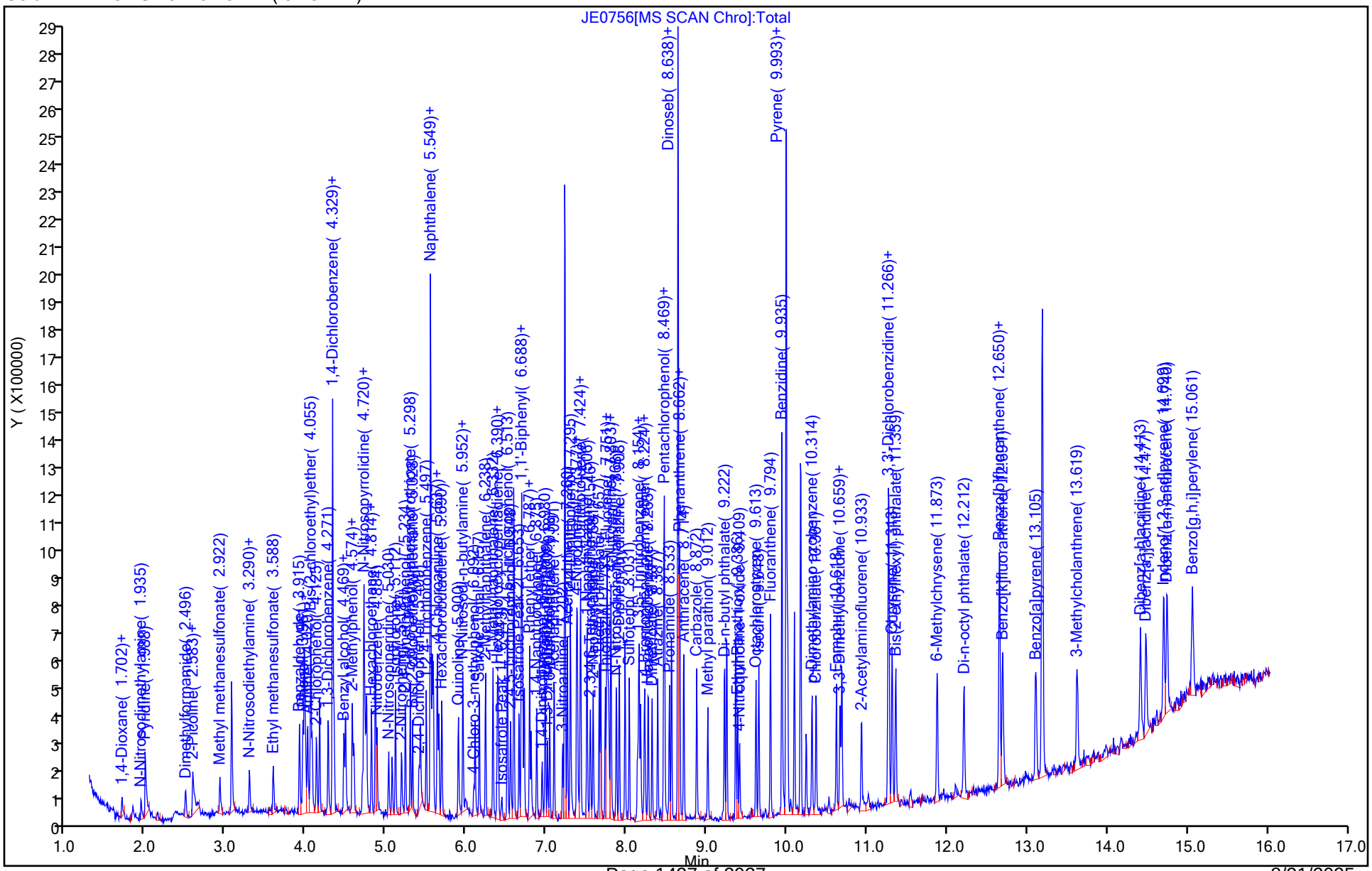
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	08-May-2025 01:36:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L3			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

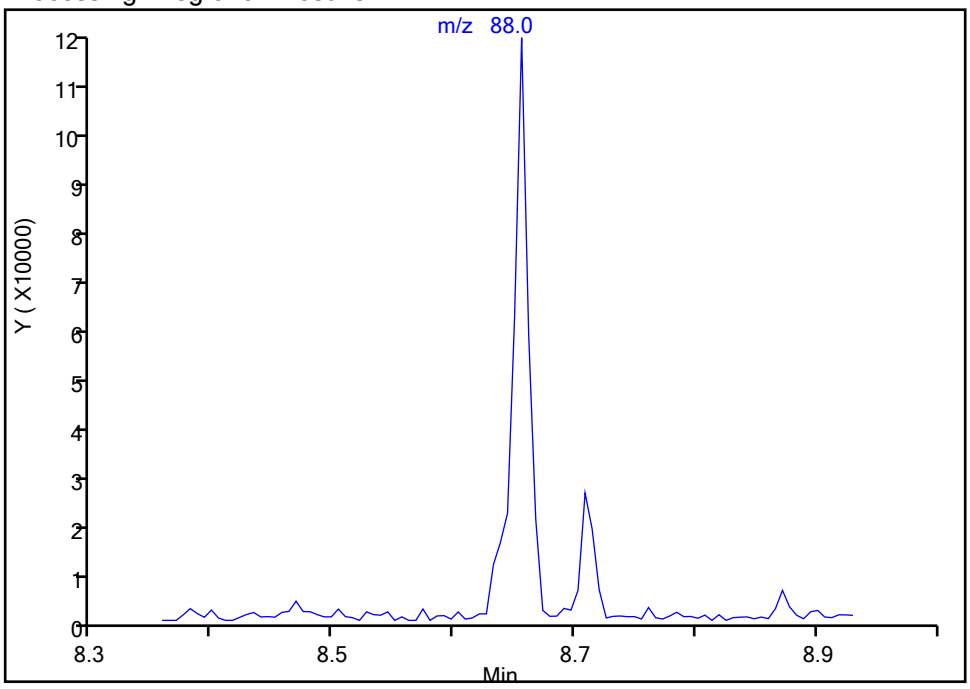
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Injection Date:	08-May-2025 01:36:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

134 Disulfoton, CAS: 298-04-4

Signal: 1

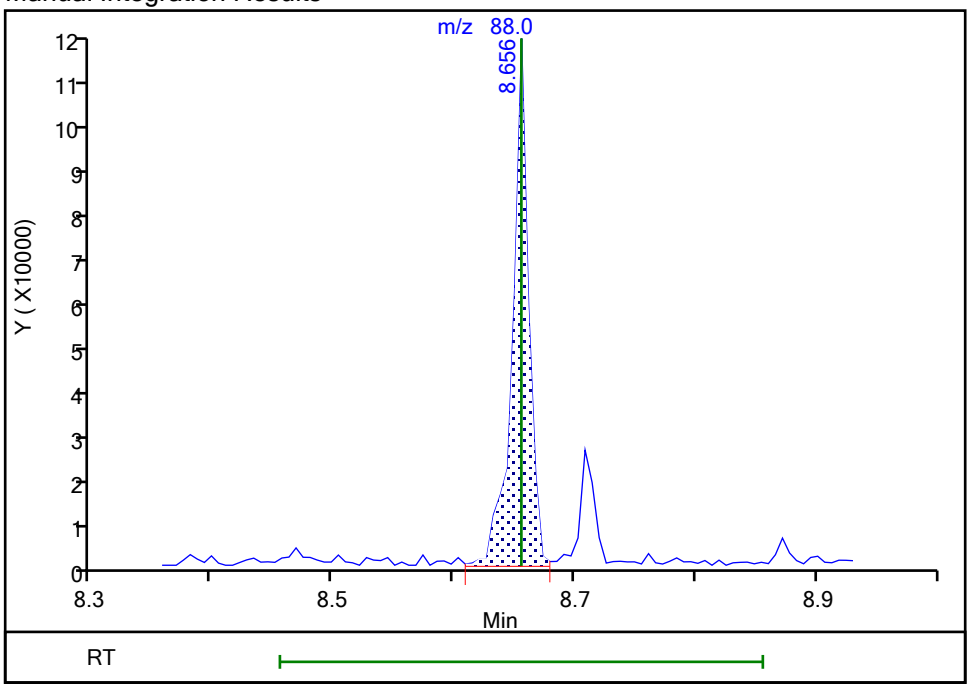
Not Detected
Expected RT: 8.66

Processing Integration Results



RT: 8.66
Area: 107938
Amount: 1.165962
Amount Units: ug/ml

Manual Integration Results



Reviewer: W6ZA, 08-May-2025 06:58:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

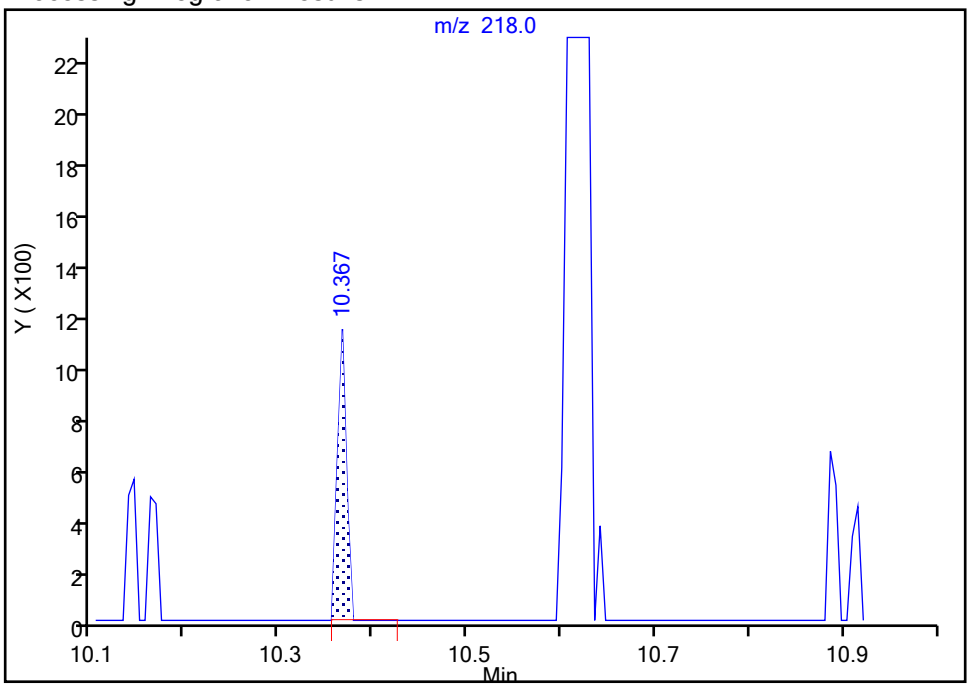
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Injection Date:	08-May-2025 01:36:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

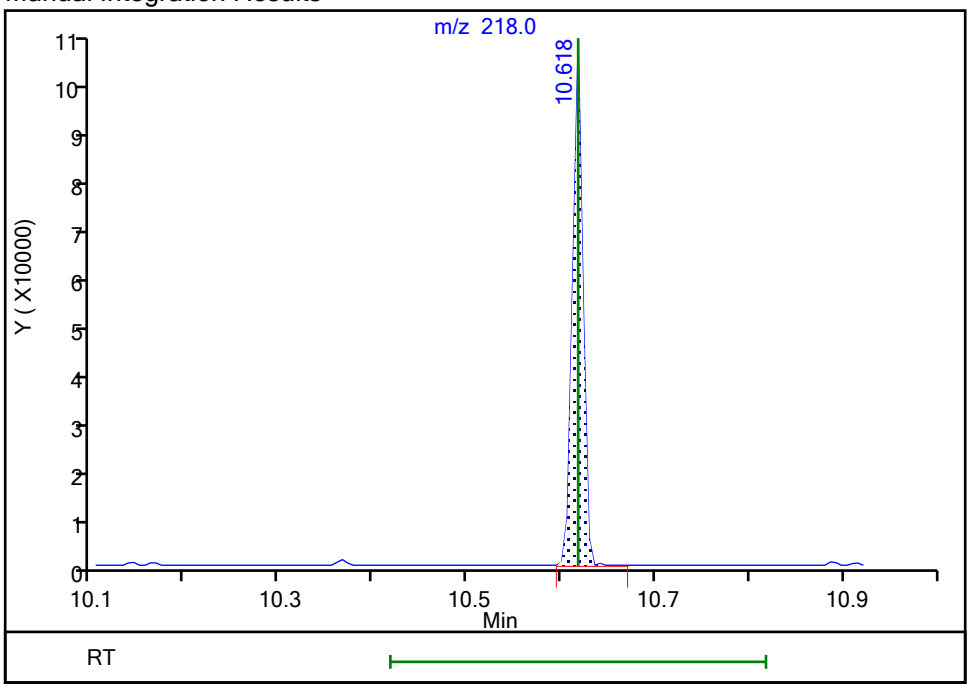
Processing Integration Results

RT: 10.37
Area: 754
Amount: 0.023201
Amount Units: ug/ml



Manual Integration Results

RT: 10.62
Area: 80126
Amount: 1.209900
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:58:13 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 08-May-2025 01:57:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0146504-008
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:33 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:01:13

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.707	1.695	0.012	65	15482	0.2500	0.5769	
	2 N-Nitrosodimethylamine	74	1.964	1.929	0.035	73	11307	0.2500	0.2566	
	3 Pyridine	79	2.023	1.970	0.053	96	32011	0.5000	0.4443	
	4 Dimethylformamide	73	2.268	2.291	-0.023	1	2444	0.2500	0.0498	
	5 2-Picoline	93	2.607	2.565	0.042	23	8546	0.2500	0.1299	
	6 N-Nitrosomethylethylamine	88	2.612	2.641	-0.029	9	15079	0.2500	0.5107	
	7 Methyl methanesulfonate	80	2.928	2.916	0.012	37	11658	0.2500	0.2497	
$	9 2-Fluorophenol	112	3.079	3.068	0.011	86	26707	0.5000	0.4974	
	11 N-Nitrosodiethylamine	102	3.296	3.290	0.006	60	7244	0.2500	0.2732	
	12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	91	6802	0.2500	0.2404	
	13 Benzaldehyde	77	3.920	3.914	0.006	77	17047	0.2500	0.2703	
$	15 Phenol-d5	99	3.979	3.973	0.006	91	35662	0.5000	0.4456	M
	16 Phenol	94	3.996	3.990	0.006	64	20377	0.2500	0.2414	
	17 Aniline	93	4.025	4.014	0.011	33	18911	0.2500	0.2027	a
	18 Bis(2-chloroethyl)ether	93	4.078	4.072	0.006	88	15975	0.2500	0.2595	
	19 2-Chlorophenol	128	4.131	4.124	0.007	83	9333	0.2500	0.1909	
	21 1,3-Dichlorobenzene	146	4.276	4.270	0.006	73	10029	0.2500	0.1828	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	180841	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.347	4.346	0.001	86	13591	0.2500	0.2345	
	26 Benzyl alcohol	108	4.481	4.463	0.018	59	7107	0.2500	0.1800	
	27 1,2-Dichlorobenzene	146	4.493	4.492	0.001	84	11348	0.2500	0.2139	
	29 2-Methylphenol	108	4.580	4.574	0.006	84	9054	0.2500	0.1683	
	30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	85	15262	0.2500	0.2173	
	31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	86	9429	0.2500	0.2919	
	32 Acetophenone	105	4.720	4.720	0.000	88	21830	0.2500	0.2312	
	33 N-Nitrosodi-n-propylamine	70	4.714	4.720	-0.006	75	12979	0.2500	0.2265	
	34 4-Methylphenol	108	4.738	4.726	0.012	61	13504	0.2500	0.2230	
	35 N-Nitrosomorpholine	56	4.744	4.738	0.006	42	11677	0.2500	0.2697	
	36 2-Toluidine	106	4.755	4.755	0.000	90	23293	0.2500	0.2558	
	37 Hexachloroethane	117	4.814	4.814	0.000	77	5747	0.2500	0.2014	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	88	42159	0.5000	0.4979	
40 Nitrobenzene	77	4.884	4.884	0.000	80	20583	0.2500	0.2479	
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	82	7470	0.2500	0.2772	
42 Isophorone	82	5.111	5.111	0.000	95	33836	0.2500	0.2335	
43 2-Nitrophenol	139	5.193	5.187	0.006	46	5600	0.2500	0.2019	
44 2,4-Dimethylphenol	107	5.240	5.234	0.006	89	14225	0.2500	0.2205	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	82	5239	0.2500	0.2199	
47 Bis(2-chloroethoxy)methane	93	5.333	5.327	0.006	78	13385	0.2500	0.1800	
49 2,4-Dichlorophenol	162	5.433	5.421	0.012	42	8882	0.2500	0.2178	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	U
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	85	12563	0.2500	0.2672	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	98	678080	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	94	34677	0.2500	0.2396	
55 Alpha-Terpineol	59	5.584	5.584	0.000	89	13050	0.2500	0.2403	
56 4-Chloroaniline	127	5.643	5.631	0.012	67	10899	0.2500	0.1782	
57 2,6-Dichlorophenol	162	5.643	5.637	0.006	83	10594	0.2500	0.2540	
58 Hexachloropropene	213	5.655	5.654	0.000	88	9615	0.2500	0.2496	
59 Hexachlorobutadiene	225	5.690	5.695	-0.005	86	6166	0.2500	0.2001	
61 Quinoline	129	5.906	5.894	0.012	81	18146	0.2500	0.1986	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	80	17446	0.2500	0.2647	
62 Caprolactam	113	5.952	5.958	-0.006	48	4083	0.2500	0.2703	
64 p-Phenylene diamine	108	5.952	5.975	-0.023	38	395	0.2500	0.8037	
65 4-Chloro-3-methylphenol	107	6.116	6.104	0.012	82	12580	0.2500	0.2185	
66 Safrole, Total	162	6.163	6.162	0.000	77	10147	0.2500	0.2705	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	86	19935	0.2500	0.2365	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	92	19341	0.2500	0.2232	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	88	9371	0.2500	0.2221	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	90	11095	0.2500	0.2266	
72 Isosafrole Peak 1	162	6.443	6.443	0.000	20	4598	0.0400	0.1185	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	74	5342	0.2500	0.1780	
S 24 Dinitrotoluene	165				0		0.5000	0.4333	
80 2,4,5-Trichlorophenol	196	6.554	6.548	0.006	38	7630	0.2500	0.2204	Ma
$ 81 2-Fluorobiphenyl (Surr)	172	6.589	6.594	-0.005	97	51397	0.5000	0.4726	
82 Isosafrole Peak 2	162	6.659	6.653	0.006	53	7916	0.2100	0.1793	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	91	31241	0.2500	0.2532	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	92	18511	0.2500	0.2094	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	88	22633	0.2500	0.2710	
86 Phenyl ether	170	6.787	6.787	0.000	88	15453	0.2500	0.2437	
87 2-Nitroaniline	138	6.816	6.805	0.011	1	7651	0.2500	0.2400	a
88 1,4-Naphthoquinone	158	6.881	6.875	0.006	65	8304	0.2500	0.2205	
89 1,4-Dinitrobenzene	168	6.951	6.945	0.006	46	3242	0.2500	0.2407	
90 Dimethyl phthalate	163	6.986	6.986	0.000	76	28448	0.2500	0.2495	
91 1,3-Dinitrobenzene	168	7.015	7.009	0.006	21	4607	0.2500	0.2835	M
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	65	4672	0.2500	0.2013	
93 Acenaphthylene	152	7.097	7.097	0.000	97	34065	0.2500	0.2420	
95 3-Nitroaniline	138	7.208	7.196	0.012	60	5342	0.2500	0.2020	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	96	385891	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	95	25795	0.2500	0.2599	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	68	33762	2.50	2.15	
100 4-Nitrophenol	109	7.383	7.371	0.012	81	29289	1.50	1.07	
99 Pentachlorobenzene	250	7.383	7.383	0.000	78	9118	0.2500	0.2084	
102 2,4-Dinitrotoluene	165	7.418	7.424	-0.006	64	7697	0.2500	0.2320	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	93	34197	0.2500	0.2639	
104 1-Naphthylamine	143	7.505	7.505	0.000	93	19831	0.2500	0.2230	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	69	6053	0.2500	0.1946	
106 2-Naphthylamine	143	7.587	7.581	0.006	93	25233	0.2500	0.2688	
107 Diethyl phthalate	149	7.657	7.657	0.000	94	28236	0.2500	0.2392	
109 Thionazin	107	7.733	7.733	0.000	41	4251	0.2500	0.2025	
108 Fluorene	166	7.751	7.751	0.000	58	27111	0.2500	0.2528	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.001	54	14397	0.2500	0.2850	
111 N-Nitro-o-toluidine	152	7.774	7.768	0.006	69	9793	0.2500	0.3290	
112 4-Nitroaniline	138	7.786	7.774	0.012	40	6632	0.2500	0.2452	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	62	24274	1.50	1.12	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	62	18671	0.2125	0.2085	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	38522	0.2500	0.2186	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	84	10101	0.5000	0.4542	
117 Sulfotepp	97	8.031	8.031	0.000	71	6834	0.2500	0.2150	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	66	1489	0.2500	0.1512	
120 cis-Diallate	86	8.148	8.148	0.000	76	16929	0.1850	0.2895	
119 Phorate	75	8.154	8.159	-0.005	91	26104	0.2500	0.2187	
121 Phenacetin	108	8.177	8.171	0.006	86	12807	0.2500	0.1650	
122 4-Bromophenyl phenyl ether	248	8.218	8.224	-0.006	72	6841	0.2500	0.2132	
123 trans-Diallate	86	8.230	8.235	-0.005	43	12815	0.0650	0.1966	a
124 Hexachlorobenzene	284	8.265	8.270	-0.005	85	10960	0.2500	0.2653	
125 Dimethoate	87	8.317	8.317	0.000	91	15330	0.2500	0.2535	
126 Atrazine	200	8.387	8.387	0.000	82	9807	0.2500	0.2806	
127 Pentachlorophenol	266	8.463	8.463	0.000	86	30580	1.25	1.13	
129 4-Aminobiphenyl	169	8.475	8.469	0.006	58	31435	0.2500	0.2488	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	50	5902	0.2500	0.2714	
130 Pronamide	173	8.533	8.533	0.000	86	14913	0.2500	0.2654	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	763891	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	60	5548	0.2500	0.2027	
134 Disulfoton	88	8.656	8.656	0.000	89	26114	0.2500	0.2782	a
132 Phenanthrene	178	8.662	8.661	0.001	93	41408	0.2500	0.2444	
135 Anthracene	178	8.714	8.714	0.000	97	39512	0.2500	0.2322	
136 Carbazole	167	8.878	8.872	0.006	95	34108	0.2500	0.2262	
137 Methyl parathion	109	9.012	9.012	0.000	50	9770	0.2500	0.2007	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	98	49836	0.2500	0.2427	
139 Ethyl Parathion	109	9.386	9.385	0.001	75	6525	0.2500	0.2086	
140 4-Nitroquinoline-1-oxide	190	9.415	9.409	0.006	38	2645	0.2500	0.1704	
142 Octachlorostyrene	308	9.613	9.613	0.000	74	4681	0.2500	0.2397	
143 Isodrin	193	9.631	9.648	-0.017	81	9845	0.2500	0.2544	
S 68 Diallate	86				0		0.2500	0.4861	
144 Fluoranthene	202	9.794	9.794	0.000	97	41900	0.2500	0.2267	
145 Benzidine	184	9.940	9.940	0.000	98	68575	0.7500	0.5615	
* 146 Pyrene-d10 (IS)	212	9.987	9.993	-0.006	98	761740	5.00	5.00	
147 Pyrene	202	10.005	10.010	-0.005	95	47330	0.2500	0.2454	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	97	52911	0.5000	0.4358	
149 p-Dimethylamino azobenzene	225	10.308	10.314	-0.006	85	7436	0.2500	0.2653	
150 Chlorobenzilate	139	10.361	10.361	0.000	76	16142	0.2500	0.2463	
151 Famphur	218	10.618	10.618	0.000	84	18932	0.2500	0.2883	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	97	21632	0.2500	0.2370	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	93	20117	0.2500	0.2224	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	86	13803	0.2500	0.2065	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.2500	0.2978	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	60	16478	0.2500	0.2285	
158 4,4'-Methylene bis(2-chloroanil	231	11.272	11.271	0.001	67	9733	0.2500	0.2758	
156 Benzo[a]anthracene	228	11.272	11.271	0.001	96	38302	0.2500	0.2220	
159 Chrysene	228	11.313	11.312	0.001	97	39115	0.2500	0.2425	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	94	29063	0.2500	0.2301	
S 103 Aramite, Total	185		11.583				0.2500	ND	
161 6-Methylchrysene	242	11.879	11.873	0.006	96	26984	0.2500	0.2448	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	98	49935	0.2500	0.2375	
164 Benzo[b]fluoranthene	252	12.656	12.655	0.001	94	36677	0.2500	0.2108	
163 7,12-Dimethylbenz(a)anthracene	256	12.650	12.655	-0.005	68	12739	0.2500	0.1919	
165 Benzo[k]fluoranthene	252	12.691	12.696	-0.005	96	45350	0.2500	0.2576	
166 Benzo[a]pyrene	252	13.105	13.105	0.000	78	45238	0.2500	0.2507	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	746749	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	85	20575	0.2500	0.2564	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	78	31220	0.2500	0.2461	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	95	35901	0.2500	0.2466	
171 Indeno[1,2,3-cd]pyrene	276	14.699	14.705	-0.006	95	46823	0.2500	0.2754	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	93	37971	0.2500	0.2349	M
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	97	39413	0.2500	0.2376	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_2_00043 Amount Added: 1.00 Units: mL

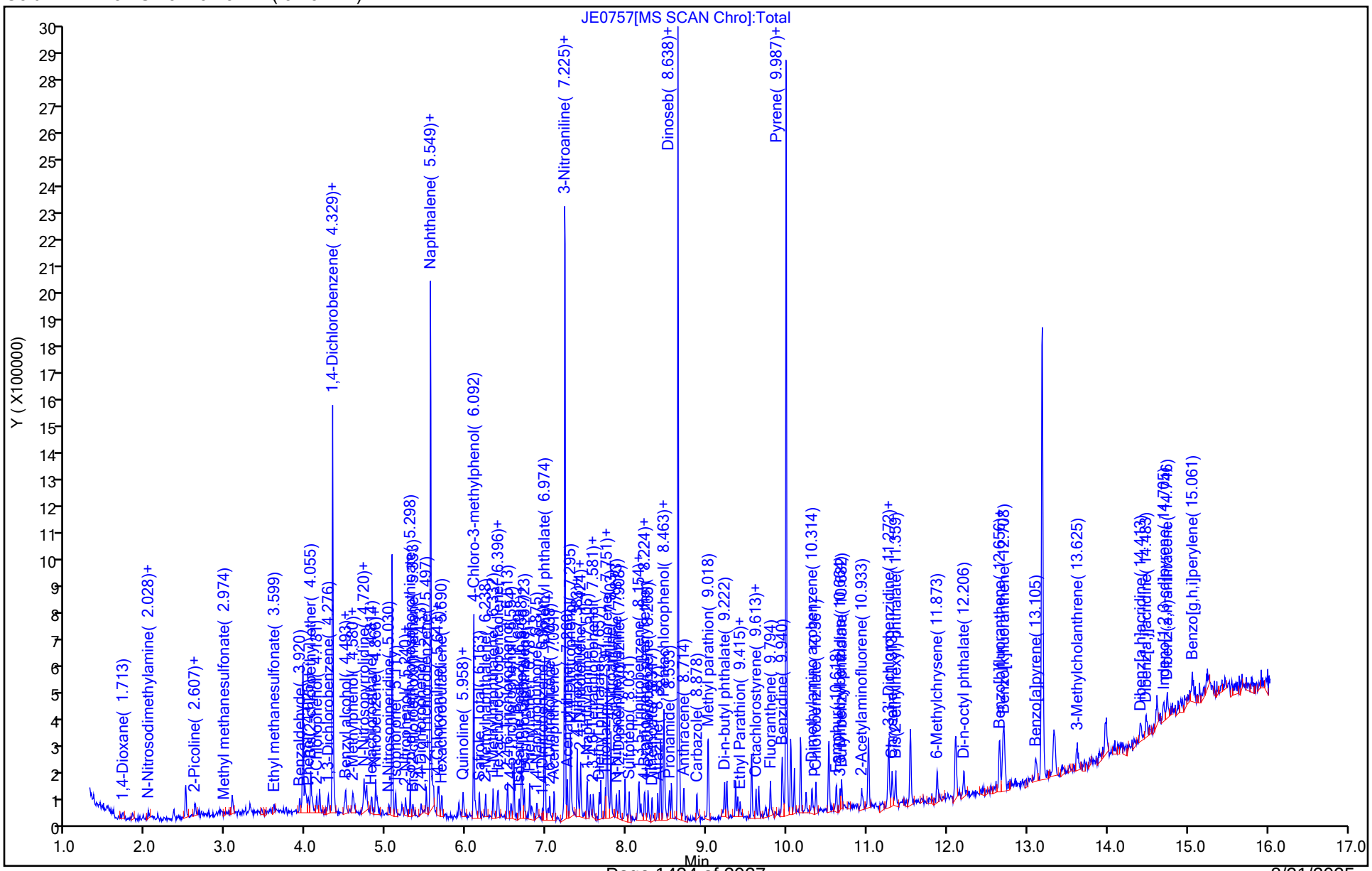
Report Date: 08-May-2025 09:32:34 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D

Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

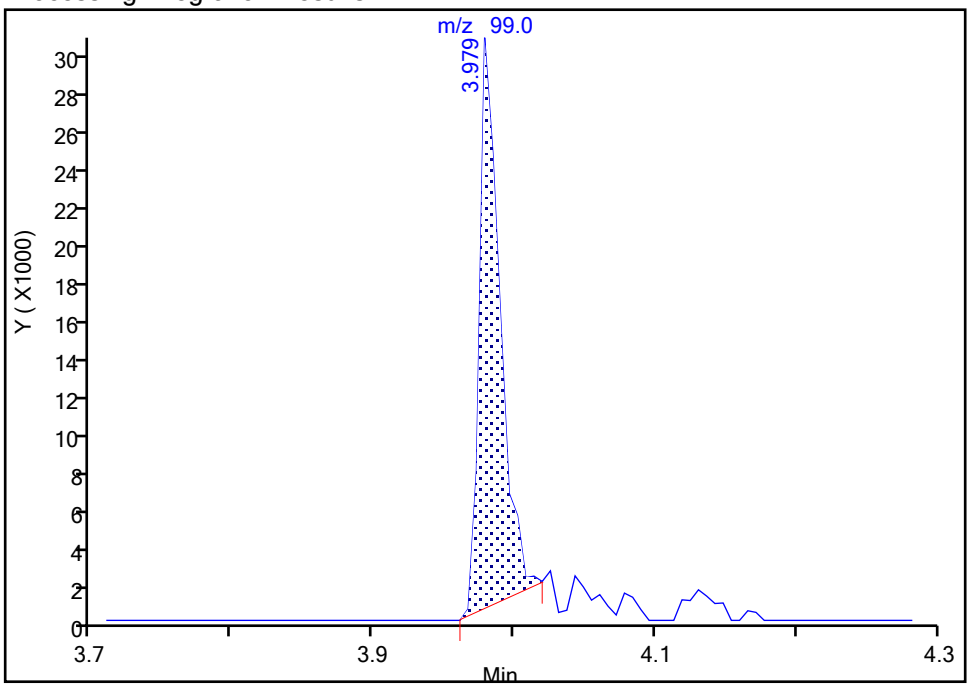
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Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

$ 15 Phenol-d5, CAS: 4165-62-2

Signal: 1

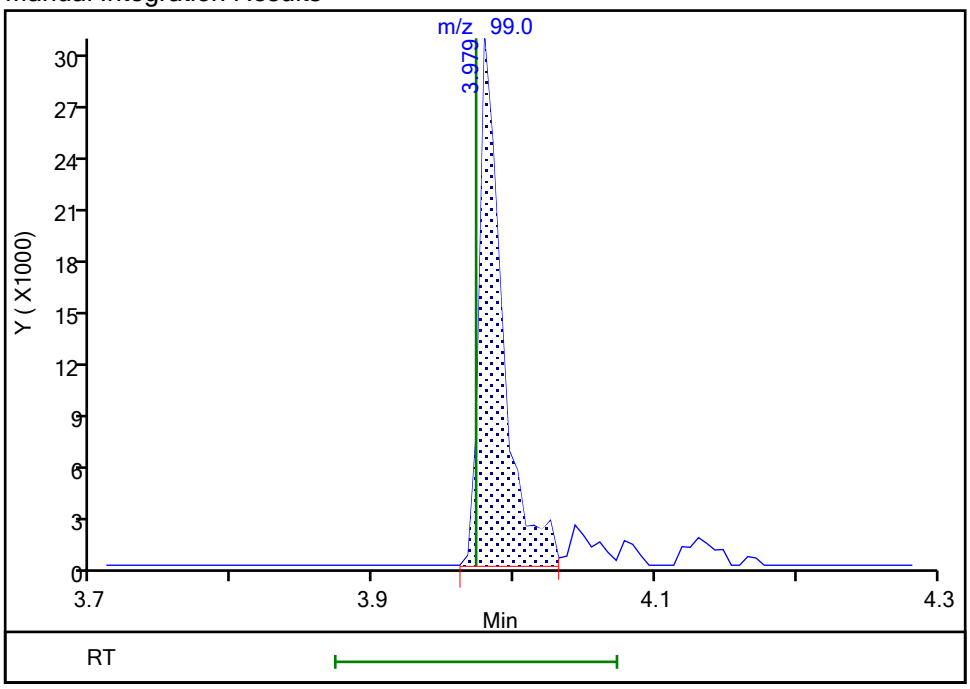
Processing Integration Results

RT: 3.98
Area: 30714
Amount: 0.492635
Amount Units: ug/ml



Manual Integration Results

RT: 3.98
Area: 35662
Amount: 0.445581
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:03 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

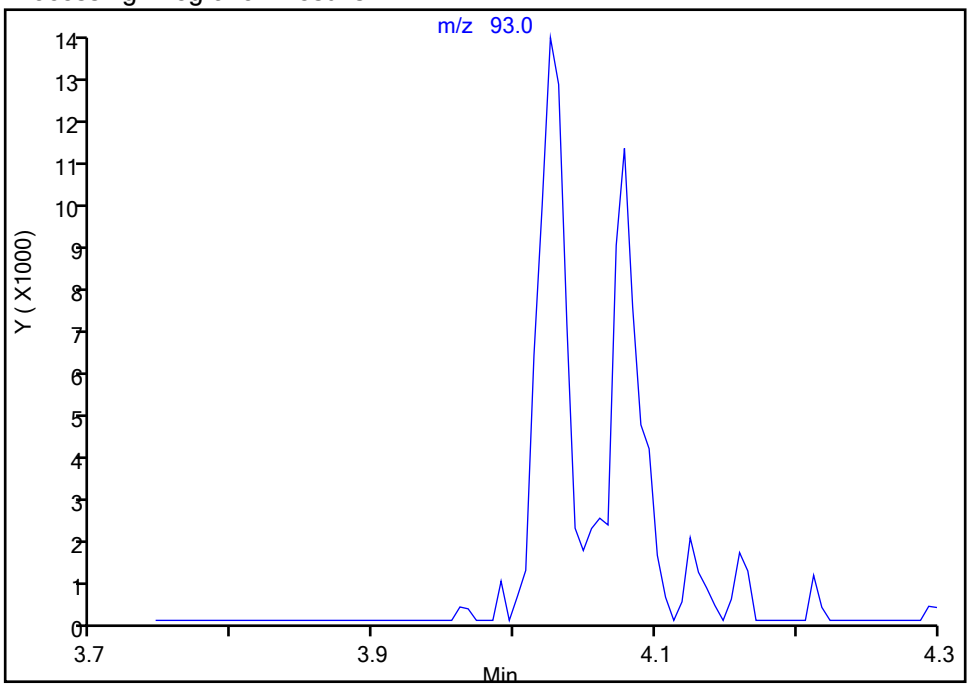
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Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

17 Aniline, CAS: 62-53-3

Signal: 1

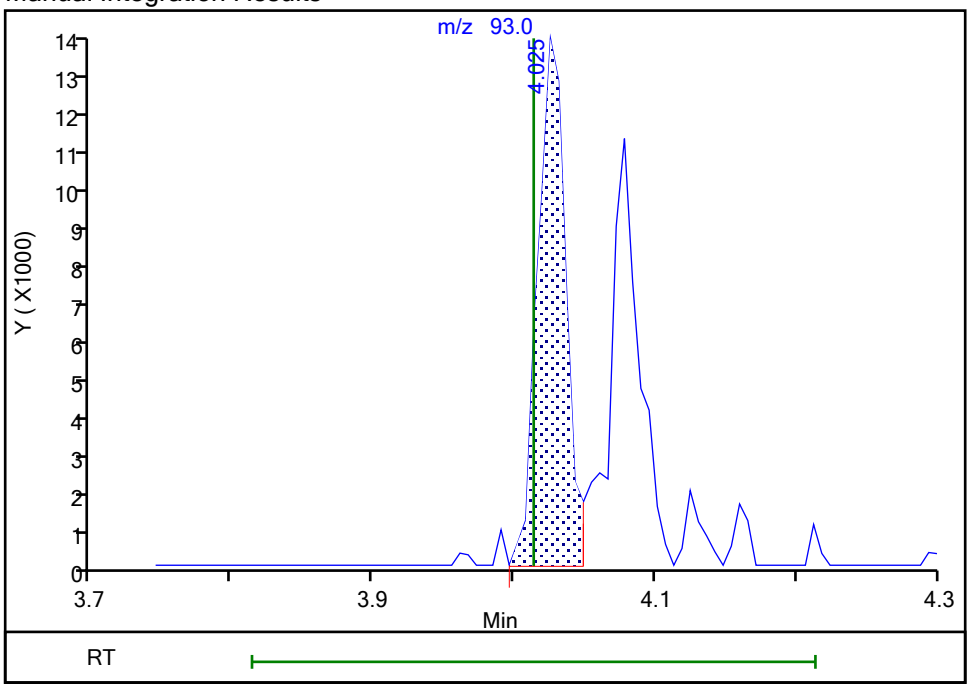
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 18911
Amount: 0.202750
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

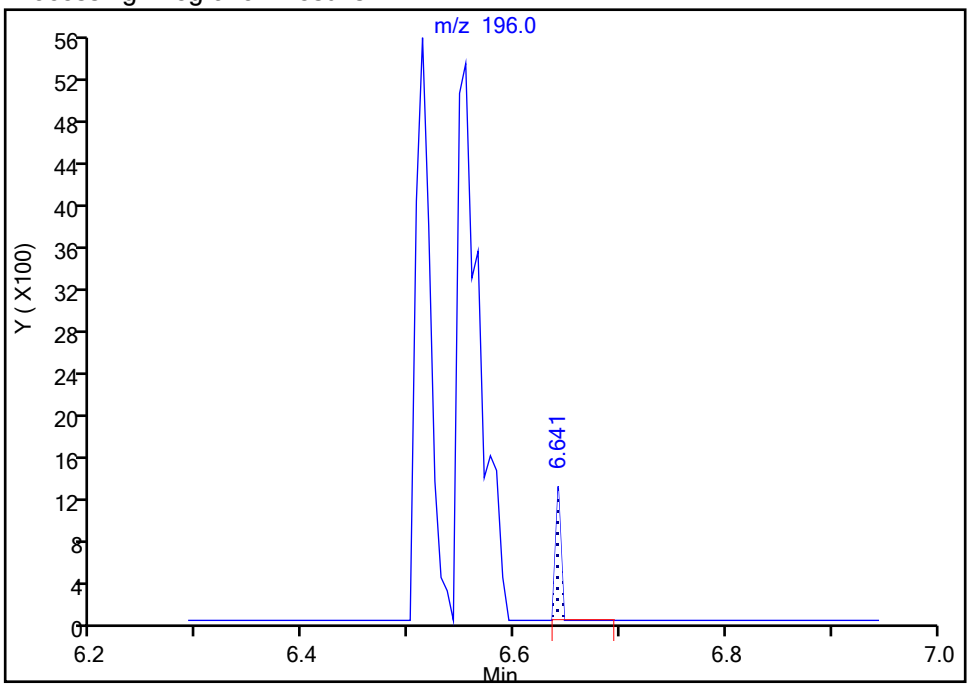
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Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

80 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

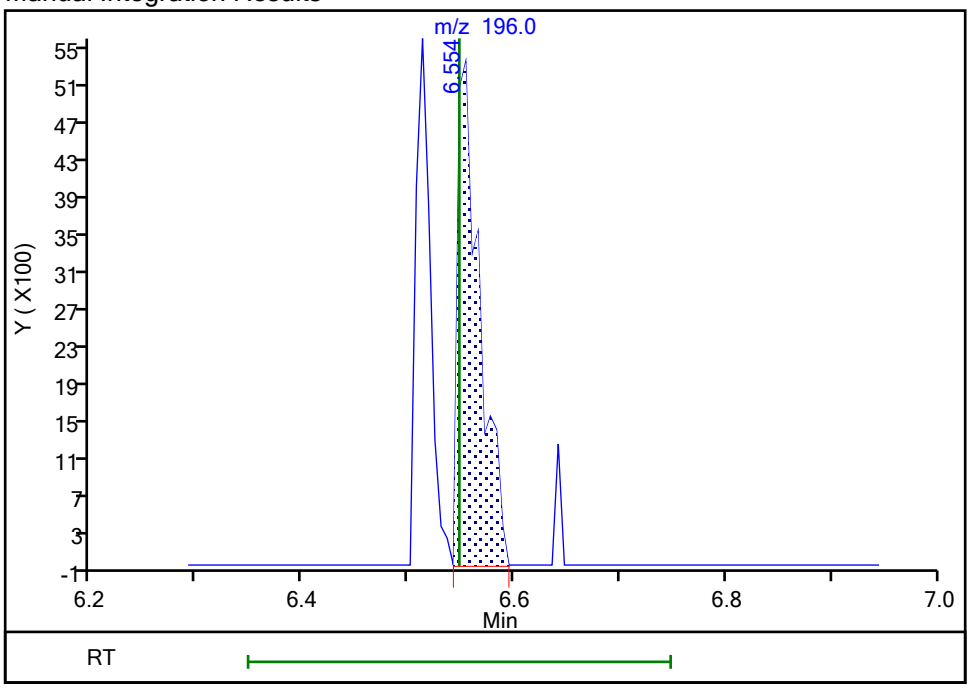
Processing Integration Results

RT: 6.64
Area: 444
Amount: 0.015559
Amount Units: ug/ml



Manual Integration Results

RT: 6.55
Area: 7630
Amount: 0.220440
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 06:59:57 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

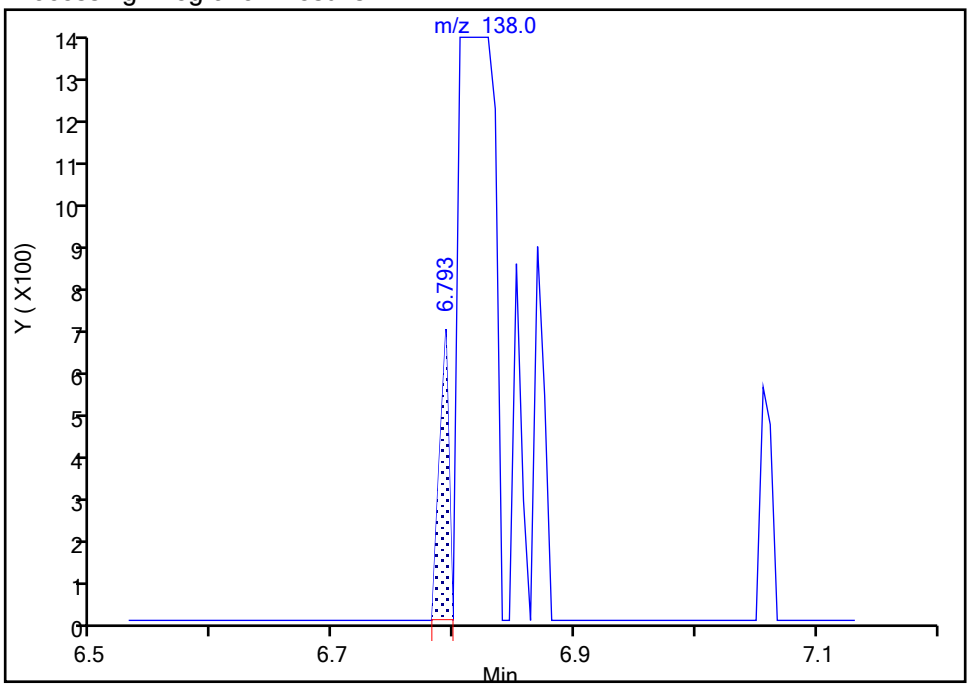
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Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

87 2-Nitroaniline, CAS: 88-74-4

Signal: 1

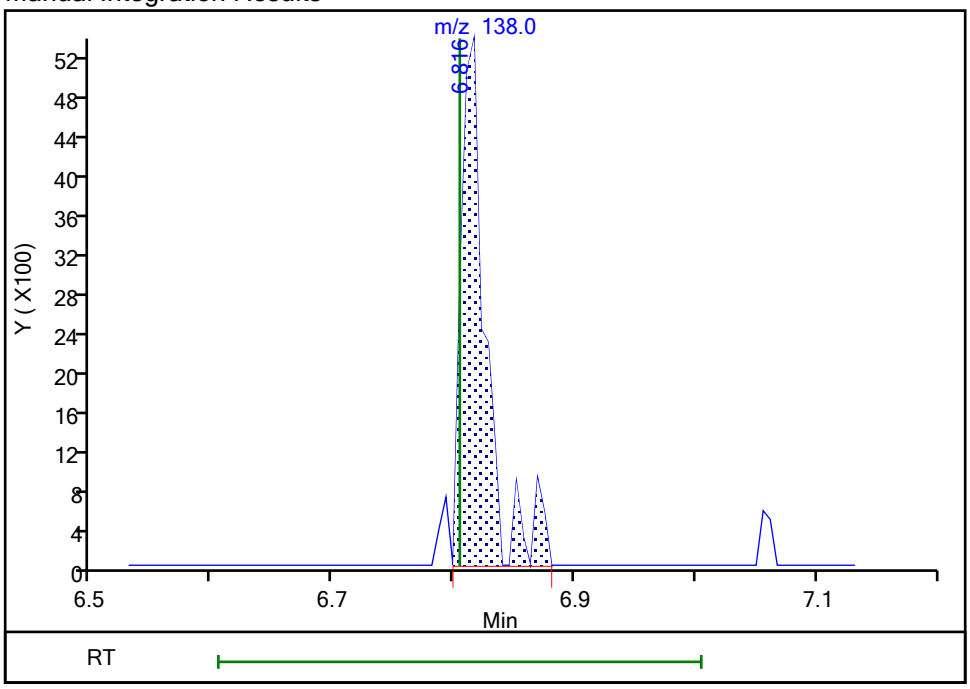
Processing Integration Results

RT: 6.79
Area: 372
Amount: 0.013173
Amount Units: ug/ml



Manual Integration Results

RT: 6.82
Area: 7651
Amount: 0.240006
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:04 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

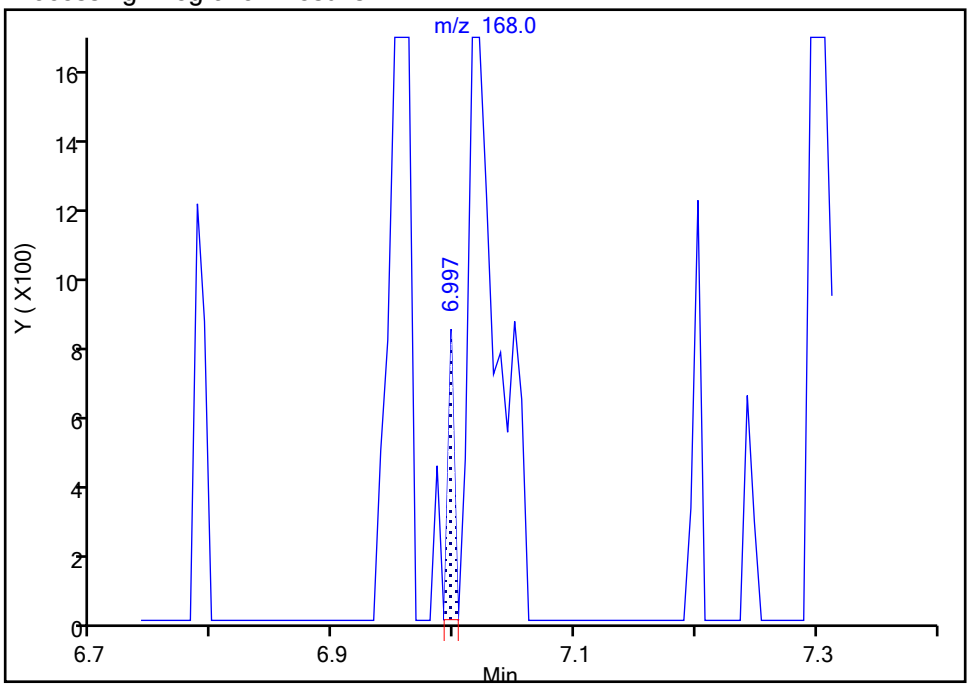
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Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

91 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

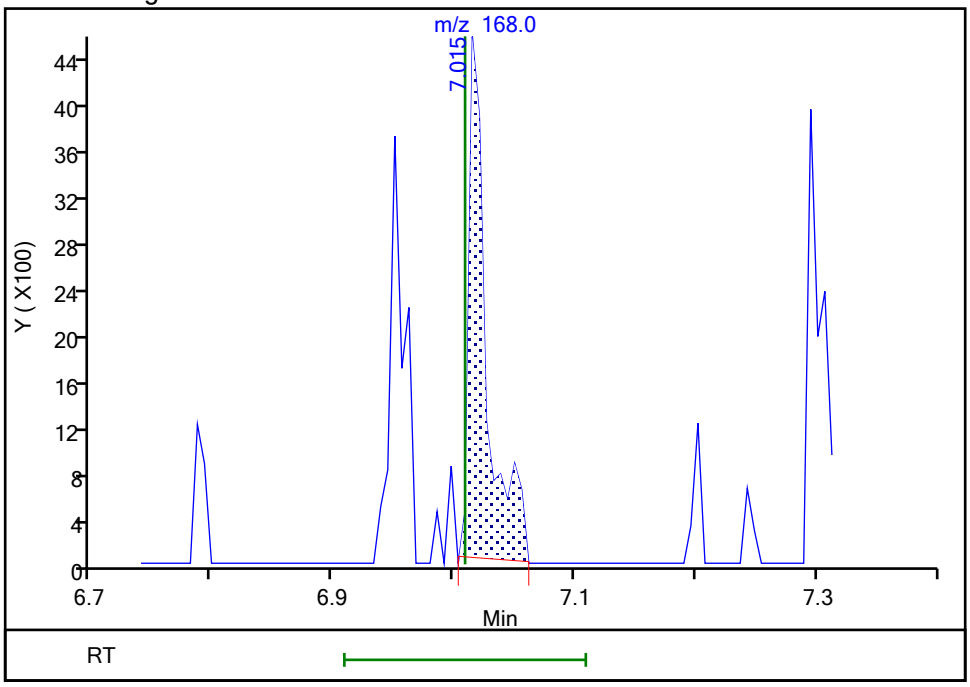
Processing Integration Results

RT: 7.00
Area: 291
Amount: 0.020653
Amount Units: ug/ml



Manual Integration Results

RT: 7.02
Area: 4607
Amount: 0.283541
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:20 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

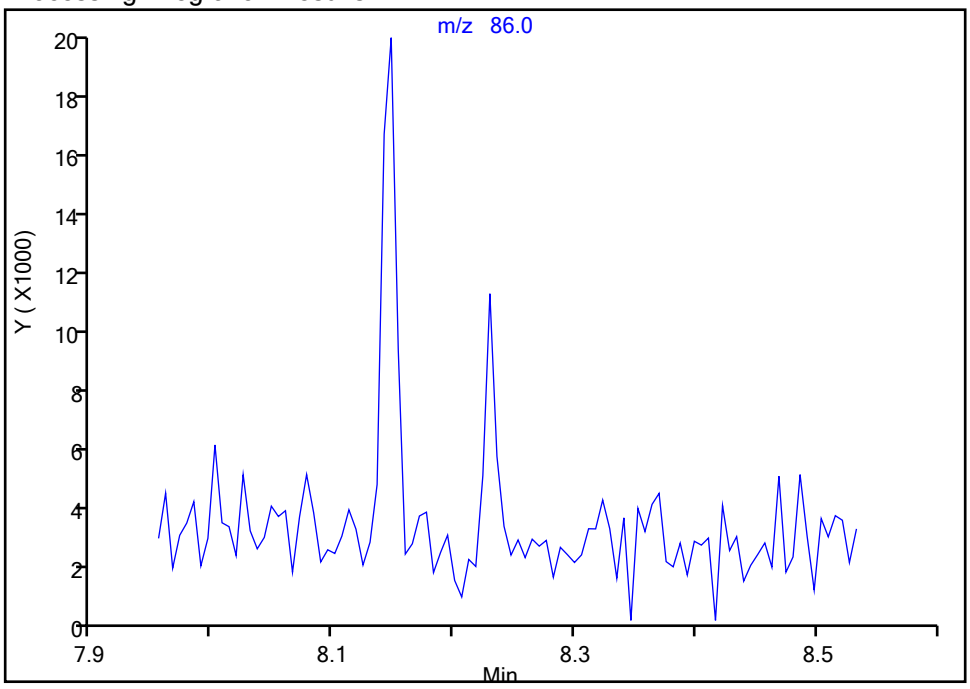
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D
Injection Date: 08-May-2025 01:57:30 Instrument ID: HP23264
Lims ID: IC L2
Client ID:
Operator ID: IR93211 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

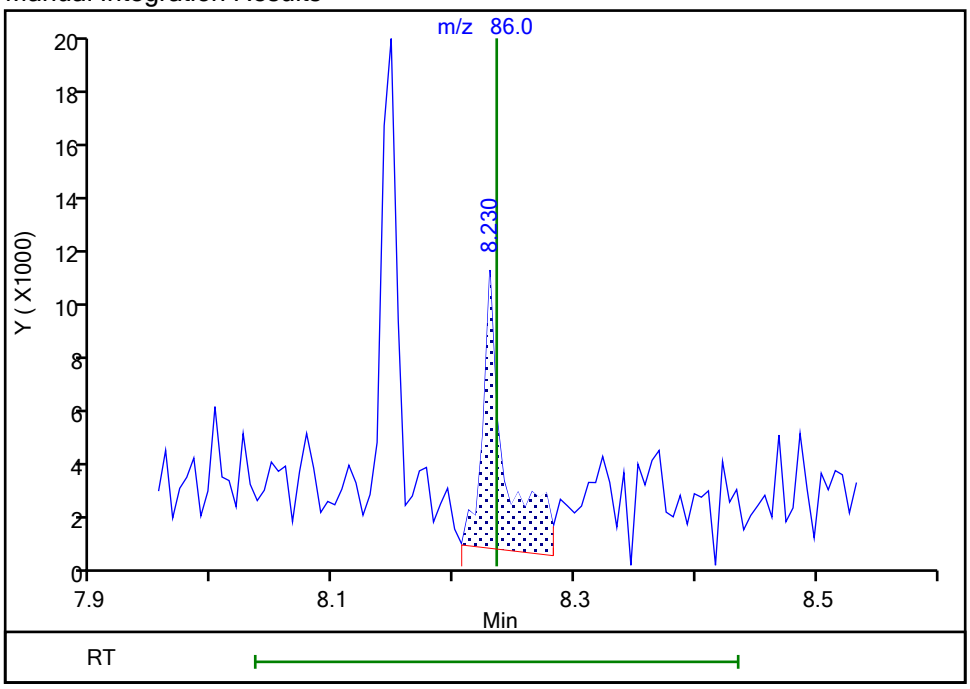
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.23
Area: 12815
Amount: 0.196579
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

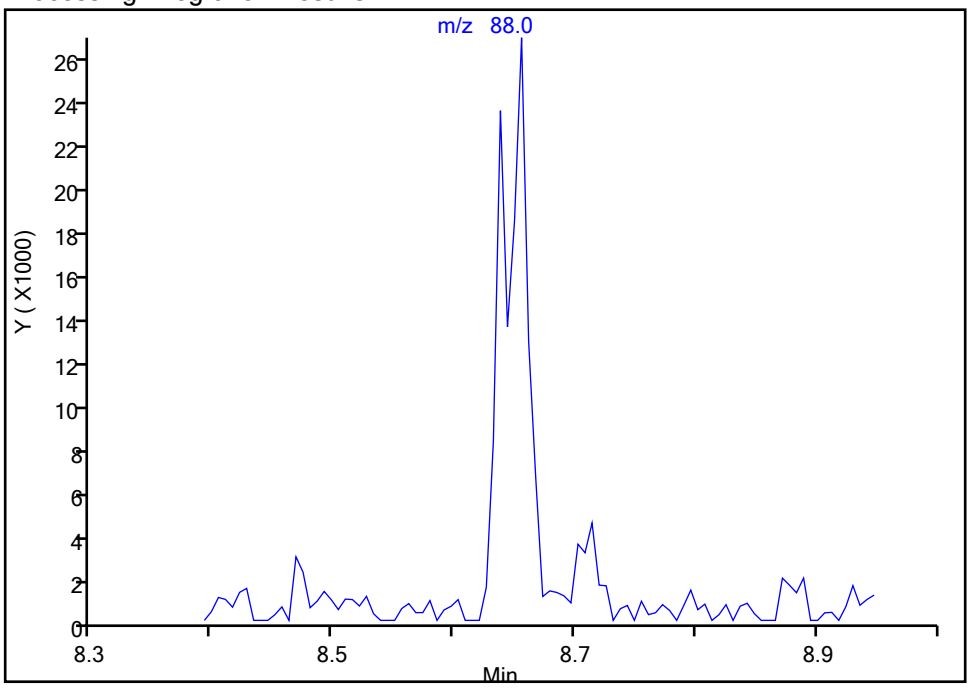
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Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

134 Disulfoton, CAS: 298-04-4

Signal: 1

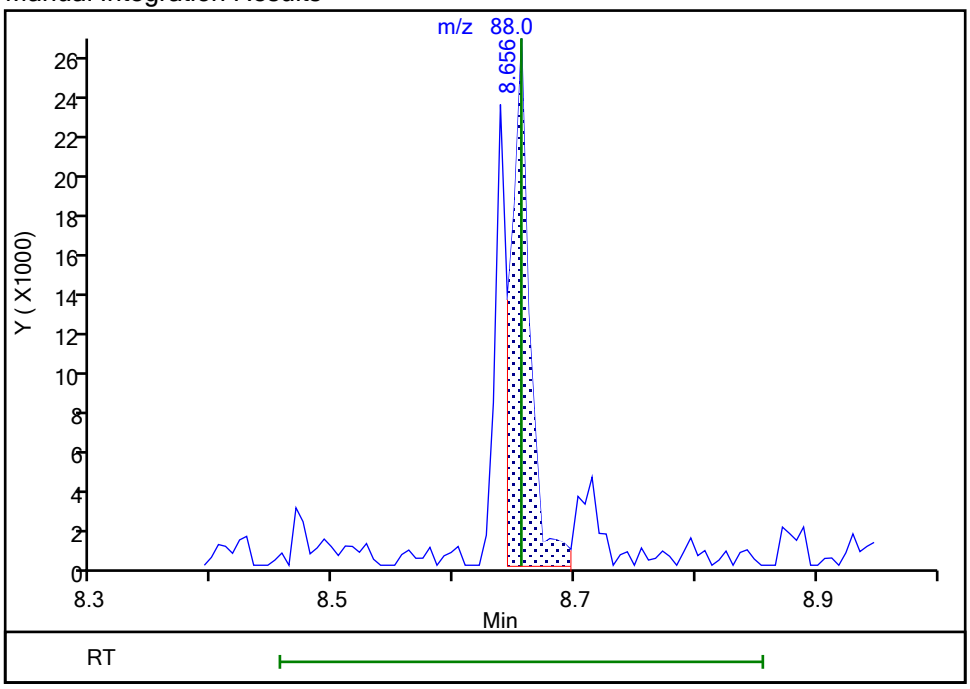
Not Detected
Expected RT: 8.66

Processing Integration Results



Manual Integration Results

RT: 8.66
Area: 26114
Amount: 0.278226
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

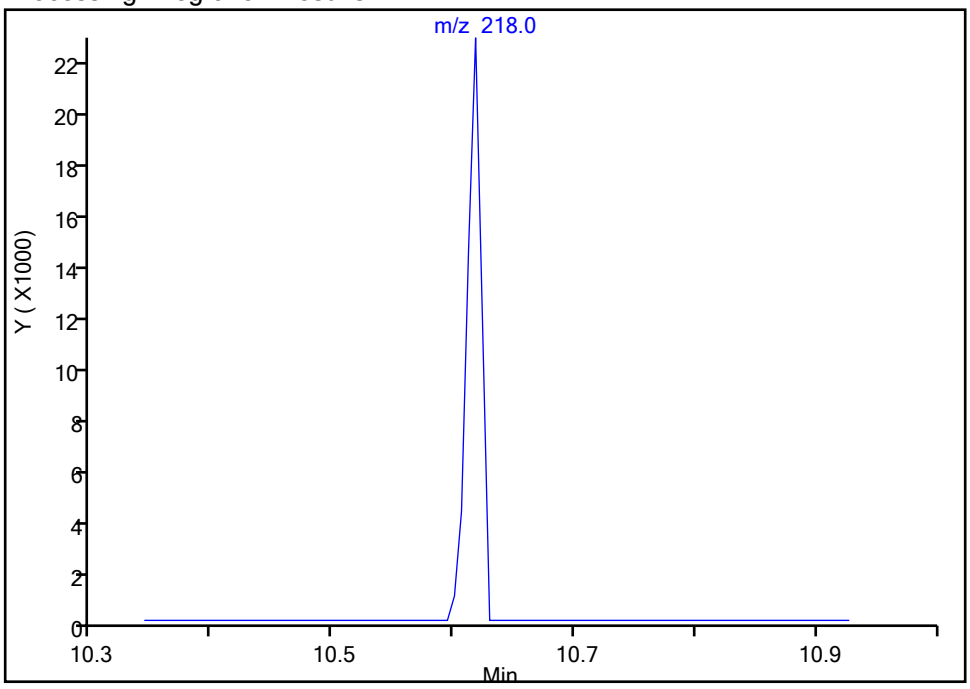
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
Injection Date:	08-May-2025 01:57:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

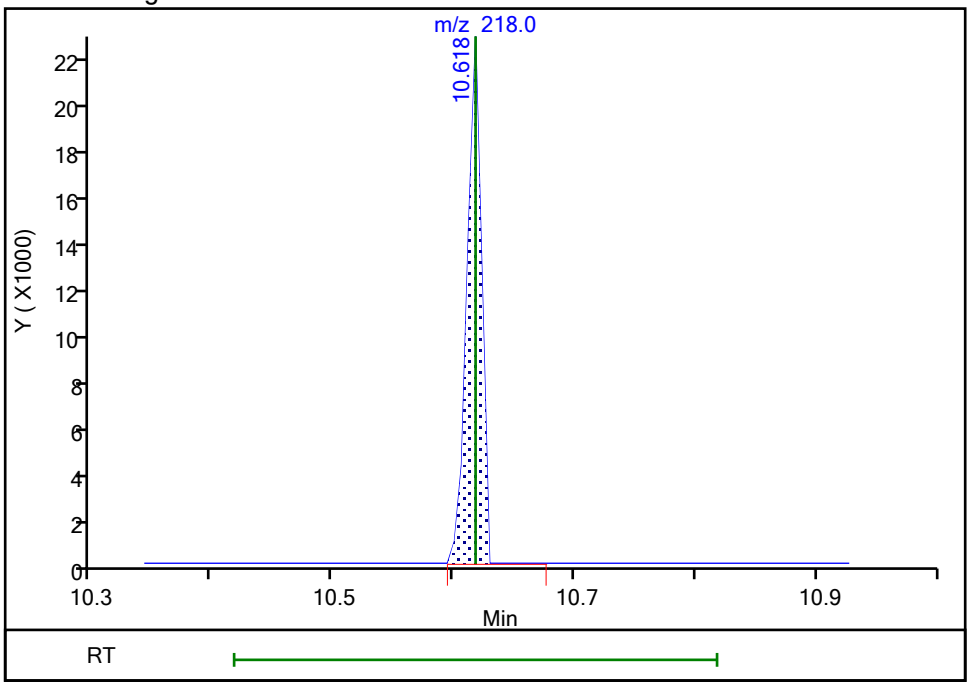
Not Detected
Expected RT: 10.62

Processing Integration Results



Manual Integration Results

RT: 10.62
Area: 18932
Amount: 0.288307
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:00:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

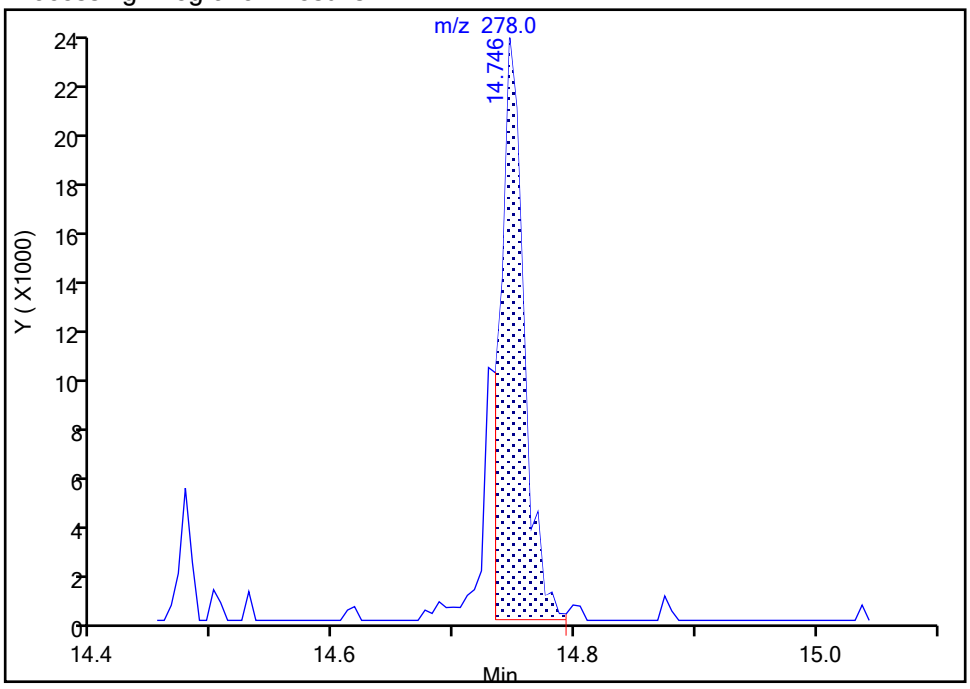
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0757.D				
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Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

172 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

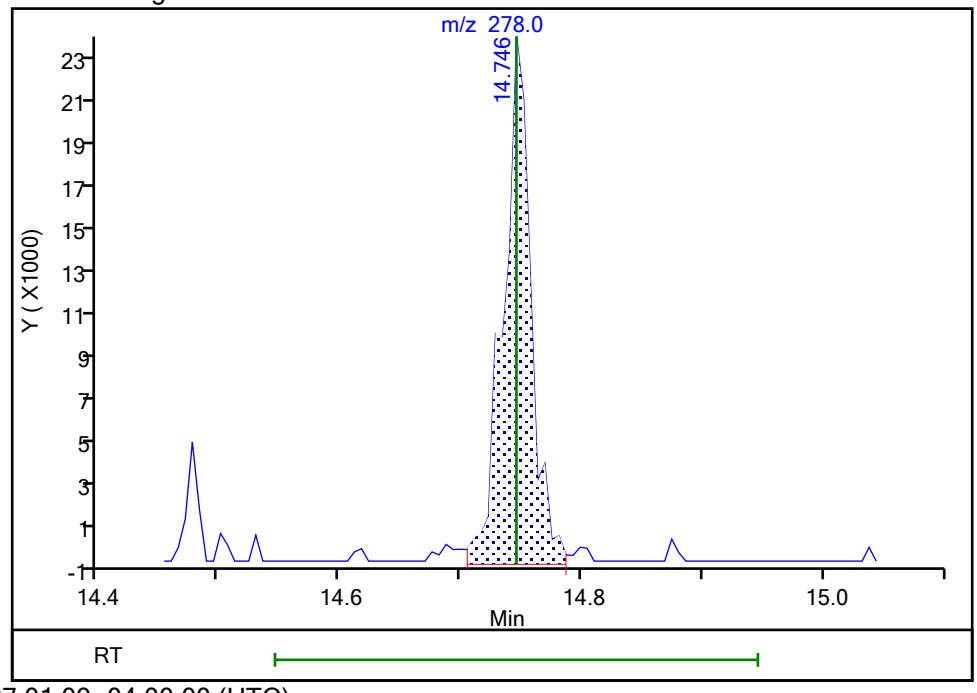
Processing Integration Results

RT: 14.75
Area: 30570
Amount: 0.193529
Amount Units: ug/ml



Manual Integration Results

RT: 14.75
Area: 37971
Amount: 0.234880
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:01:09 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 08-May-2025 02:18:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0146504-009
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub58

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:32:54 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:03:12

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.725	1.695	0.030	1	7216	0.1250	0.2882	
	2 N-Nitrosodimethylamine	74	1.982	1.929	0.053	59	5612	0.1250	0.1365	
	3 Pyridine	79	2.046	1.970	0.076	58	19645	0.2500	0.2922	
	4 Dimethylformamide	73	2.274	2.291	-0.017	21	3401	0.1250	0.0743	
	5 2-Picoline	93	2.624	2.565	0.059	8	6595	0.1250	0.1074	
	6 N-Nitrosomethylethylamine	88	2.636	2.641	-0.005	1	2807	0.1250	0.1019	
	7 Methyl methanesulfonate	80	2.933	2.916	0.017	18	5834	0.1250	0.1339	
$	9 2-Fluorophenol	112	3.074	3.068	0.006	37	9488	0.2500	0.1894	
	11 N-Nitrosodiethylamine	102	3.307	3.290	0.017	41	2372	0.1250	0.0959	
	12 Ethyl methanesulfonate	109	3.599	3.587	0.012	41	3096	0.1250	0.1173	
	13 Benzaldehyde	77	3.920	3.914	0.006	49	7012	0.1250	0.1191	
$	15 Phenol-d5	99	3.990	3.973	0.017	86	10213	0.2500	0.1367	
	16 Phenol	94	3.996	3.990	0.006	45	9400	0.1250	0.1193	
	17 Aniline	93	4.025	4.014	0.011	36	9071	0.1250	0.1042	
	18 Bis(2-chloroethyl)ether	93	4.078	4.072	0.006	38	7761	0.1250	0.1351	
	19 2-Chlorophenol	128	4.136	4.124	0.012	31	6543	0.1250	0.1434	
	21 1,3-Dichlorobenzene	146	4.276	4.270	0.006	67	7964	0.1250	0.1556	
*	22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	95	168754	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.341	4.346	-0.005	35	8488	0.1250	0.1570	
	26 Benzyl alcohol	108	4.481	4.463	0.018	51	3413	0.1250	0.0926	
	27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	73	6693	0.1250	0.1352	a
	29 2-Methylphenol	108	4.574	4.574	0.000	7	4198	0.1250	0.0836	
	30 2,2'-oxybis[1-chloropropane]	45	4.598	4.592	0.006	39	10939	0.1250	0.1669	
	31 N-Nitrosopyrrolidine	100	4.708	4.697	0.011	34	3692	0.1250	0.1225	
	32 Acetophenone	105	4.726	4.720	0.006	84	10322	0.1250	0.1172	
	33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	49	6879	0.1250	0.1286	
	34 4-Methylphenol	108	4.749	4.726	0.023	67	6255	0.1250	0.1107	Ma
	35 N-Nitrosomorpholine	56	4.744	4.738	0.006	45	7147	0.1250	0.1769	
	36 2-Toluidine	106	4.755	4.755	0.000	83	10897	0.1250	0.1282	
	37 Hexachloroethane	117	4.819	4.814	0.005	23	4290	0.1250	0.1611	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.866	4.866	0.000	93	17128	0.2500	0.1984	
40 Nitrobenzene	77	4.878	4.884	-0.006	30	8640	0.1250	0.1021	a
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	33	3663	0.1250	0.1333	
42 Isophorone	82	5.117	5.111	0.006	96	17590	0.1250	0.1191	
43 2-Nitrophenol	139	5.199	5.187	0.012	26	4363	0.1250	0.1543	
44 2,4-Dimethylphenol	107	5.240	5.234	0.006	34	6652	0.1250	0.1011	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	80	3560	0.1250	0.1466	
47 Bis(2-chloroethoxy)methane	93	5.333	5.327	0.006	58	8515	0.1250	0.1123	
49 2,4-Dichlorophenol	162	5.433	5.421	0.012	8	3860	0.1250	0.0929	
54 alpha,alpha-Dimethyl phenethylam	58		5.438				ND	ND	MU
50 1,2,4-Trichlorobenzene	180	5.491	5.497	-0.006	8	4555	0.1250	0.0950	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	691214	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	92	18400	0.1250	0.1247	
55 Alpha-Terpineol	59	5.584	5.584	0.000	46	5231	0.1250	0.0945	
56 4-Chloroaniline	127	5.654	5.631	0.023	73	5563	0.1250	0.0892	
57 2,6-Dichlorophenol	162	5.643	5.637	0.006	67	4089	0.1250	0.0962	
58 Hexachloropropene	213	5.660	5.654	0.006	85	6366	0.1250	0.1621	
59 Hexachlorobutadiene	225	5.695	5.695	0.000	8	3167	0.1250	0.1008	
61 Quinoline	129	5.911	5.894	0.017	40	10945	0.1250	0.1175	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	40	13153	0.1250	0.1958	
62 Caprolactam	113	5.987	5.958	0.029	1	1008	0.1250	0.0655	
64 p-Phenylene diamine	108	5.976	5.975	0.001	1	182	0.1250	0.8003	
65 4-Chloro-3-methylphenol	107	6.122	6.104	0.018	29	7169	0.1250	0.1222	
66 Safrole, Total	162	6.162	6.162	0.000	33	4597	0.1250	0.1202	a
67 2-Methylnaphthalene	142	6.238	6.238	0.000	90	10200	0.1250	0.1187	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	85	10296	0.1250	0.1166	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	72	6242	0.1250	0.1503	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	84	6059	0.1250	0.1257	
72 Isosafrole Peak 1	162	6.449	6.443	0.006	1	895	0.0200	0.0234	
79 2,4,6-Trichlorophenol	196	6.519	6.513	0.006	69	3619	0.1250	0.1225	
S 24 Dinitrotoluene	165				0		0.2500	0.1702	
80 2,4,5-Trichlorophenol	196	6.554	6.548	0.006	1	1815	0.1250	0.0533	
$ 81 2-Fluorobiphenyl (Surr)	172	6.594	6.594	0.000	96	27755	0.2500	0.2593	
82 Isosafrole Peak 2	162	6.659	6.653	0.006	17	5952	0.1050	0.1370	a
83 1,1'-Biphenyl	154	6.688	6.688	0.000	88	17739	0.1250	0.1461	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	46	8441	0.1250	0.0970	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	1	10178	0.1250	0.1238	
86 Phenyl ether	170	6.793	6.787	0.006	88	8709	0.1250	0.1395	
87 2-Nitroaniline	138	6.816	6.805	0.011	1	3875	0.1250	0.1235	
88 1,4-Naphthoquinone	158	6.886	6.875	0.011	48	5897	0.1250	0.1591	
89 1,4-Dinitrobenzene	168	6.916	6.945	-0.029	1	895	0.1250	0.0675	
90 Dimethyl phthalate	163	6.986	6.986	0.000	89	14401	0.1250	0.1283	
91 1,3-Dinitrobenzene	168	7.015	7.009	0.006	13	1733	0.1250	0.1084	
92 2,6-Dinitrotoluene	165	7.027	7.038	-0.011	1	1627	0.1250	0.0712	a
93 Acenaphthylene	152	7.097	7.097	0.000	96	17695	0.1250	0.1277	
95 3-Nitroaniline	138	7.389	7.196	0.193	51	897	0.1250	0.0345	
* 96 Acenaphthene-d10	164	7.225	7.231	-0.006	96	379811	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	91	13429	0.1250	0.1375	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	71	15535	1.25	1.01	
100 4-Nitrophenol	109	7.389	7.371	0.018	67	12754	0.7500	0.4716	
99 Pentachlorobenzene	250	7.383	7.383	0.000	83	6833	0.1250	0.1587	
102 2,4-Dinitrotoluene	165	7.429	7.424	0.005	64	3231	0.1250	0.0990	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Dibenzofuran	168	7.424	7.424	0.000	85	14428	0.1250	0.1131	
104 1-Naphthylamine	143	7.505	7.505	0.000	86	10123	0.1250	0.1156	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	38	4938	0.1250	0.1613	a
106 2-Naphthylamine	143	7.587	7.581	0.006	76	10429	0.1250	0.1129	
107 Diethyl phthalate	149	7.657	7.657	0.000	93	13594	0.1250	0.1170	
109 Thionazin	107	7.727	7.733	-0.006	41	3316	0.1250	0.1605	
108 Fluorene	166	7.751	7.751	0.000	73	16446	0.1250	0.1558	
110 4-Chlorophenyl phenyl ether	204	7.756	7.756	0.000	56	6079	0.1250	0.1223	
111 N-Nitro-o-toluidine	152	7.762	7.768	-0.006	1	2077	0.1250	0.0709	
112 4-Nitroaniline	138	7.797	7.774	0.023	39	1983	0.1250	0.0745	
113 4,6-Dinitro-2-methylphenol	198	7.803	7.803	0.000	66	15265	0.7500	0.6946	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	71	9091	0.1063	0.0998	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	95	20598	0.1250	0.1150	
$ 116 2,4,6-Tribromophenol	330	7.978	7.978	0.000	84	5543	0.2500	0.2532	
117 Sulfotepp	97	8.031	8.031	0.000	64	4465	0.1250	0.1382	
118 1,3,5-Trinitrobenzene	213	8.142	8.136	0.006	65	1411	0.1250	0.1409	
120 cis-Diallate	86	8.148	8.148	0.000	63	18283	0.0925	0.3075	
119 Phorate	75	8.154	8.159	-0.005	92	18449	0.1250	0.1521	
121 Phenacetin	108	8.189	8.171	0.018	12	6891	0.1250	0.0873	
122 4-Bromophenyl phenyl ether	248	8.218	8.224	-0.006	72	3699	0.1250	0.1134	
123 trans-Diallate	86	8.235	8.235	0.000	42	15641	0.0325	0.2360	a
124 Hexachlorobenzene	284	8.264	8.270	-0.006	80	4408	0.1250	0.1050	
125 Dimethoate	87	8.317	8.317	0.000	31	7099	0.1250	0.1155	a
126 Atrazine	200	8.387	8.387	0.000	10	4763	0.1250	0.1340	a
127 Pentachlorophenol	266	8.463	8.463	0.000	70	10450	0.6250	0.3798	
129 4-Aminobiphenyl	169	8.475	8.469	0.006	16	16003	0.1250	0.1246	a
128 Pentachloronitrobenzene	237	8.457	8.469	-0.012	50	1782	0.1250	0.0806	
130 Pronamide	173	8.533	8.533	0.000	83	7340	0.1250	0.1285	
* 131 Phenanthrene-d10	188	8.638	8.644	-0.006	97	776661	5.00	5.00	
133 Dinoseb	211	8.632	8.644	-0.012	60	2391	0.1250	0.0859	
134 Disulfoton	88	8.638	8.656	-0.018	55	26289	0.1250	0.2755	
132 Phenanthrene	178	8.662	8.661	0.001	91	21690	0.1250	0.1259	
135 Anthracene	178	8.714	8.714	0.000	96	20636	0.1250	0.1193	
136 Carbazole	167	8.878	8.872	0.006	95	13368	0.1250	0.0872	
137 Methyl parathion	109	9.012	9.012	0.000	63	7209	0.1250	0.1456	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	97	25342	0.1250	0.1214	
139 Ethyl Parathion	109	9.380	9.385	-0.005	1	4916	0.1250	0.1546	
140 4-Nitroquinoline-1-oxide	190	9.415	9.409	0.006	2	1957	0.1250	0.1240	
142 Octachlorostyrene	308	9.613	9.613	0.000	73	2745	0.1250	0.1383	
143 Isodrin	193	9.642	9.648	-0.006	75	5702	0.1250	0.0508	
S 68 Diallate	86				0		0.1250	0.5435	
144 Fluoranthene	202	9.794	9.794	0.000	95	19085	0.1250	0.1015	
145 Benzidine	184	9.940	9.940	0.000	98	27799	0.3750	0.2280	
* 146 Pyrene-d10 (IS)	212	9.993	9.993	0.000	98	760414	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	94	23720	0.1250	0.1232	
$ 148 p-Terphenyl-d14	244	10.174	10.174	0.000	95	29163	0.2500	0.2406	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	48	4237	0.1250	0.1514	
150 Chlorobenzilate	139	10.361	10.361	0.000	87	7653	0.1250	0.1170	
151 Famphur	218	10.618	10.618	0.000	86	7428	0.1250	0.1133	a
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	95	11376	0.1250	0.1248	
153 Butyl benzyl phthalate	149	10.682	10.688	-0.006	88	11864	0.1250	0.1314	
155 2-Acetylaminofluorene	181	10.939	10.933	0.006	28	6698	0.1250	0.1004	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
S 94 Isosafrole	162				0		0.1250	0.1604	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	54	7707	0.1250	0.1071	
158 4,4'-Methylene bis(2-chloroanil	231	11.277	11.271	0.006	64	3846	0.1250	0.1092	
156 Benzo[a]anthracene	228	11.277	11.271	0.006	97	20416	0.1250	0.1185	
159 Chrysene	228	11.312	11.312	0.000	94	19441	0.1250	0.1207	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	87	13227	0.1250	0.1049	
S 103 Aramite, Total	185		11.583				0.1250	ND	
161 6-Methylchrysene	242	11.873	11.873	0.000	77	13275	0.1250	0.1207	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	57	22506	0.1250	0.1135	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	94	19546	0.1250	0.1192	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	71	7565	0.1250	0.1209	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	65	20465	0.1250	0.1233	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	79	25694	0.1250	0.1511	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	703955	5.00	5.00	
168 3-Methylcholanthrene	268	13.613	13.625	-0.012	1	10015	0.1250	0.1324	
169 Dibenz[a,h]acridine	279	14.419	14.413	0.006	24	13718	0.1250	0.1147	
170 Dibenz[a,j]acridine	279	14.489	14.483	0.006	9	17476	0.1250	0.1274	
171 Indeno[1,2,3-cd]pyrene	276	14.711	14.705	0.006	94	16630	0.1250	0.1038	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	7	16038	0.1250	0.1052	
173 Benzo[g,h,i]perylene	276	15.061	15.061	0.000	79	16318	0.1250	0.1044	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270_1_00042 Amount Added: 1.00 Units: mL

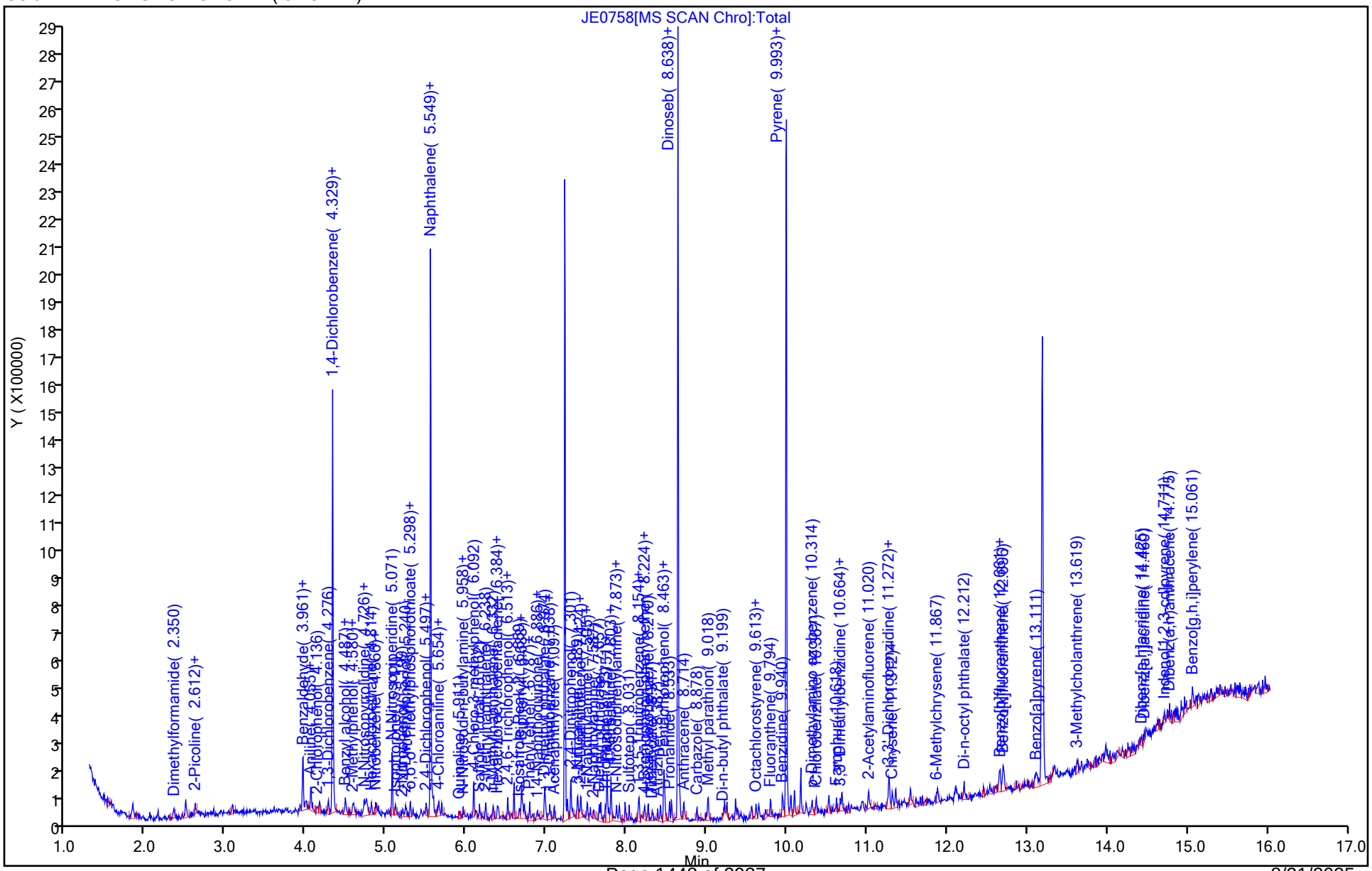
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Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

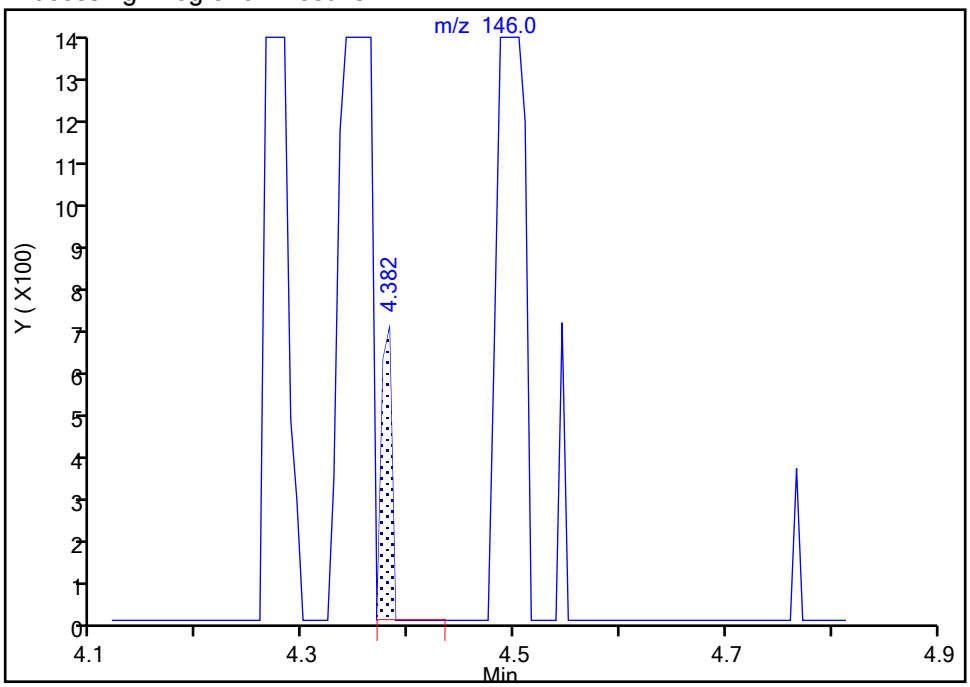
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

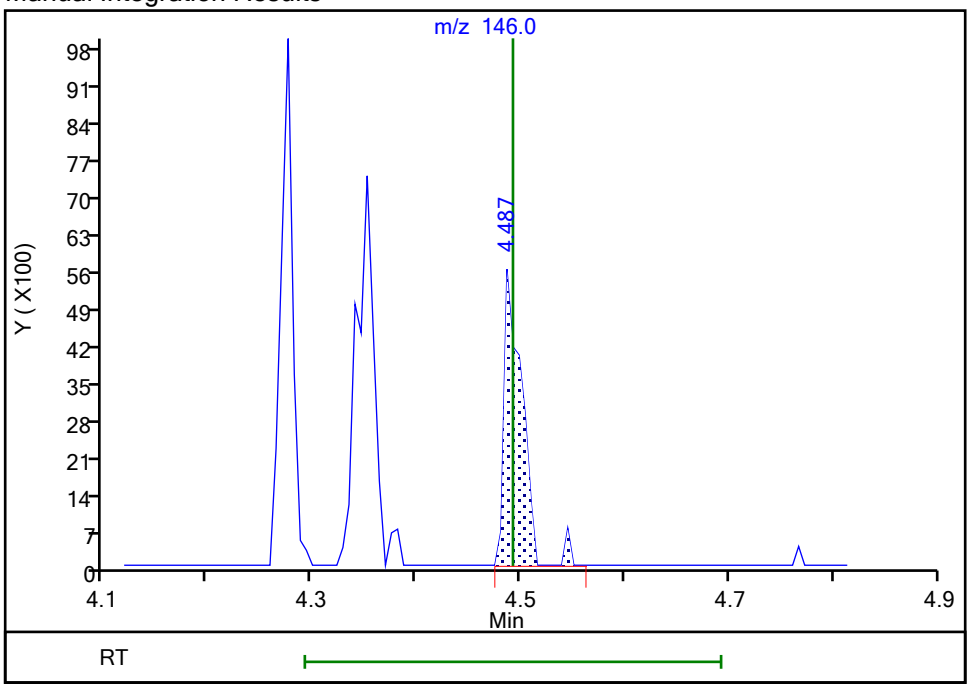
Processing Integration Results

RT: 4.38
Area: 454
Amount: 0.105585
Amount Units: ug/ml



Manual Integration Results

RT: 4.49
Area: 6693
Amount: 0.135197
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:16:51 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

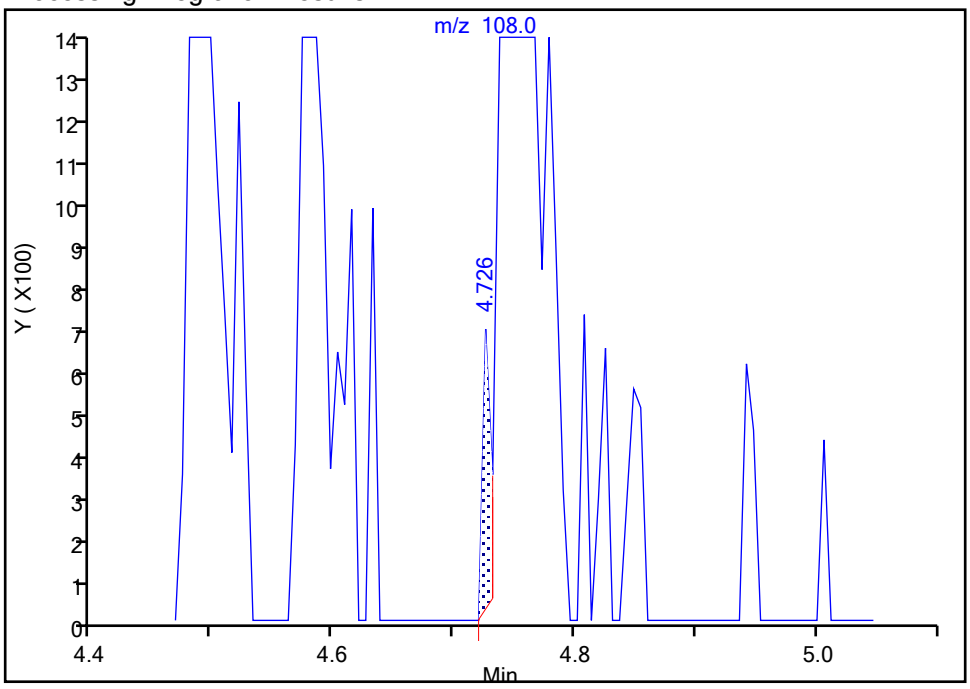
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Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

34 4-Methylphenol, CAS: 106-44-5

Signal: 1

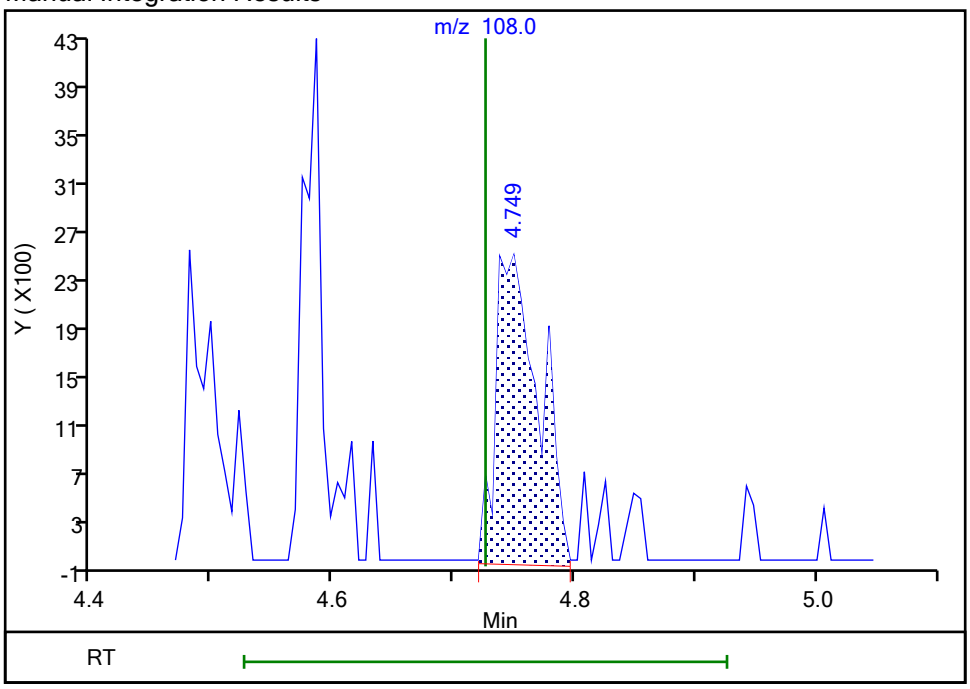
Processing Integration Results

RT: 4.73
Area: 281
Amount: 0.113570
Amount Units: ug/ml



Manual Integration Results

RT: 4.75
Area: 6255
Amount: 0.110716
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:14:54 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

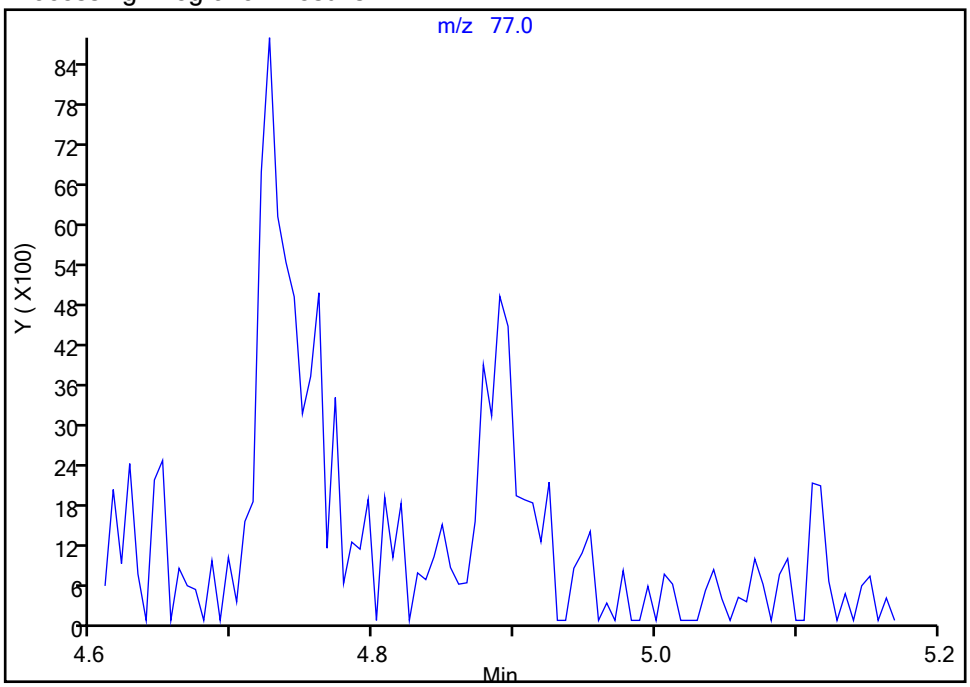
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Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

40 Nitrobenzene, CAS: 98-95-3

Signal: 1

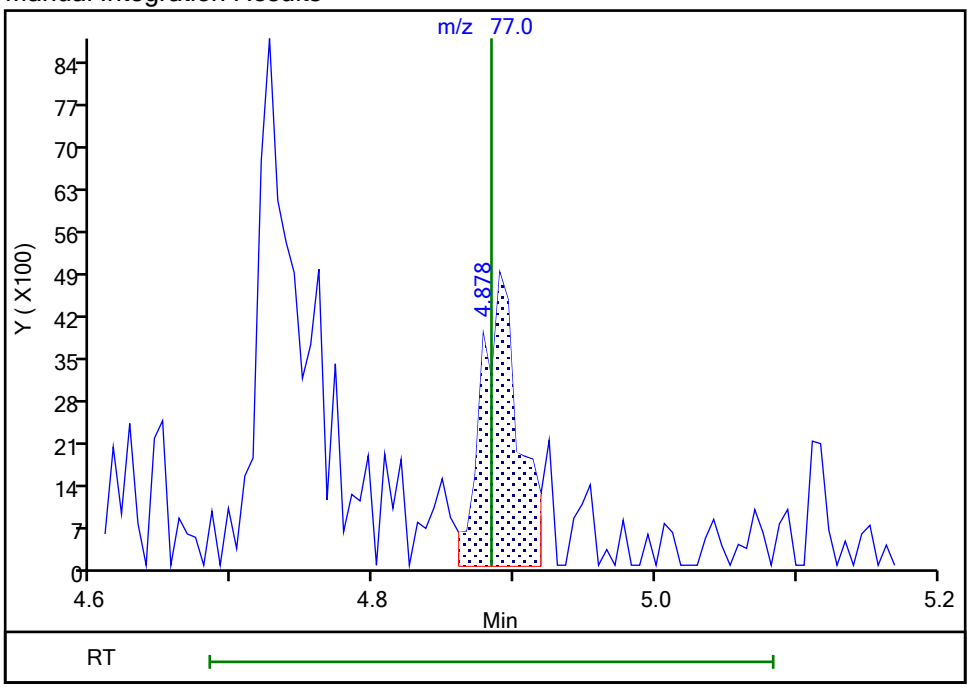
Not Detected
Expected RT: 4.88

Processing Integration Results



Manual Integration Results

RT: 4.88
Area: 8640
Amount: 0.102095
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:01:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

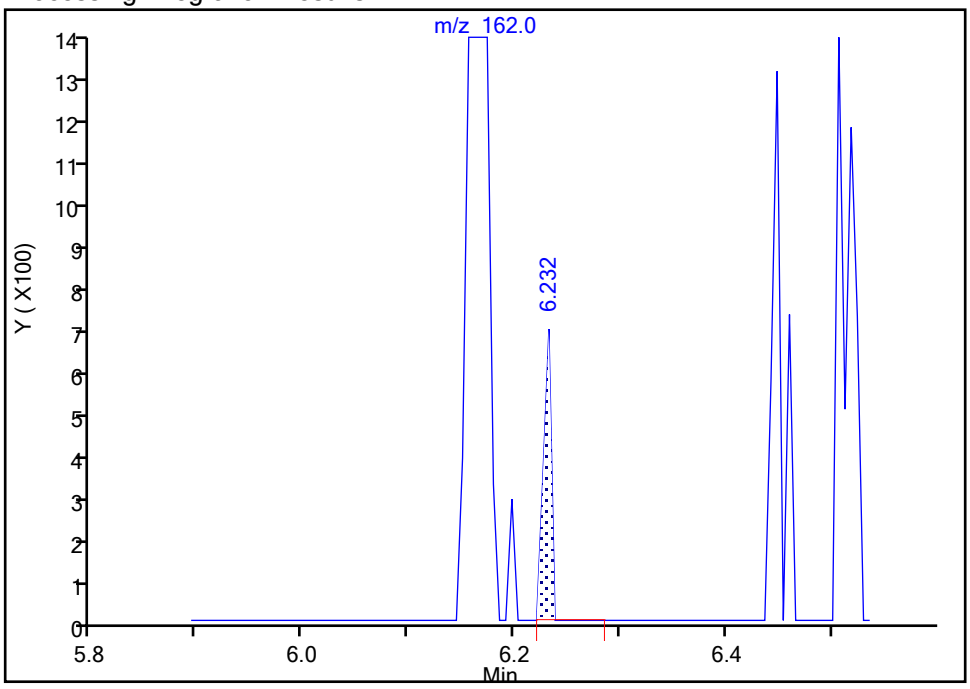
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Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 Safrole, Total, CAS: 94-59-7

Signal: 1

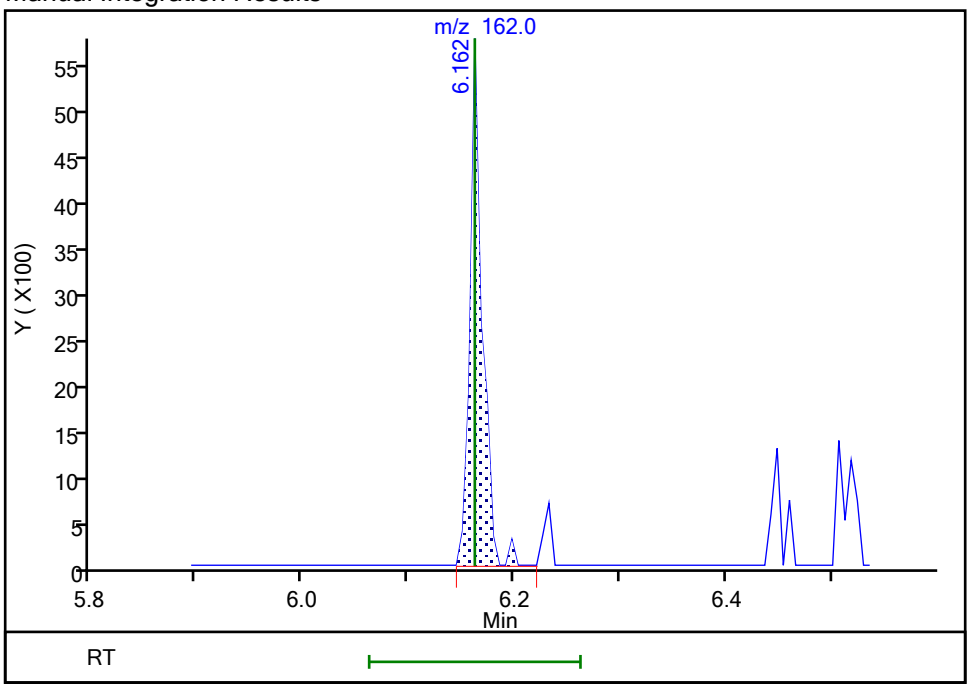
Processing Integration Results

RT: 6.23
Area: 353
Amount: 0.010383
Amount Units: ug/ml



Manual Integration Results

RT: 6.16
Area: 4597
Amount: 0.120209
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:09 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

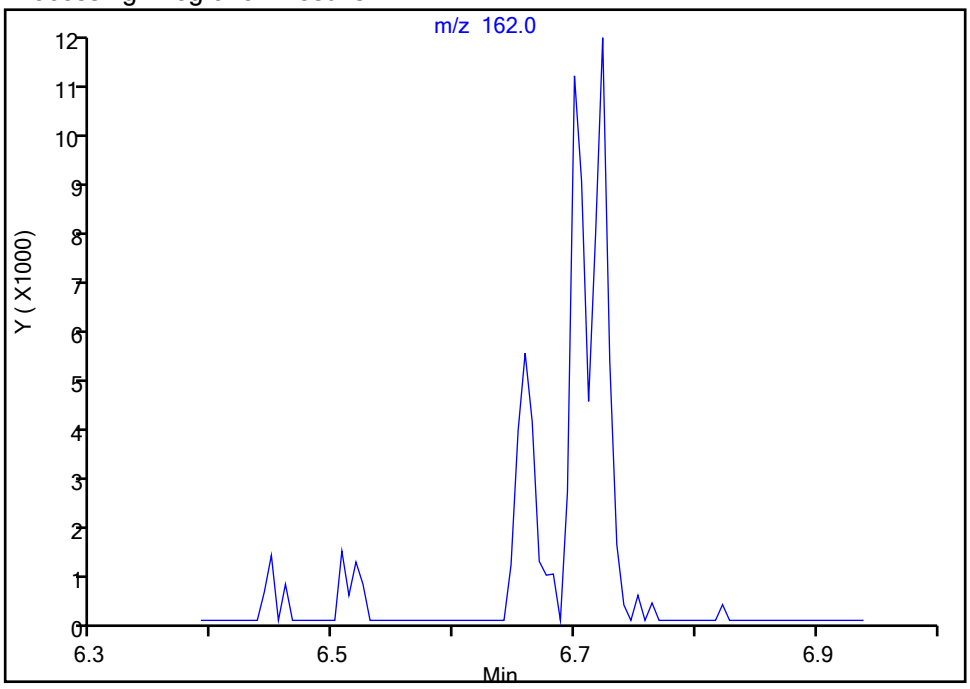
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 Isosafrole Peak 2, CAS: STL03316

Signal: 1

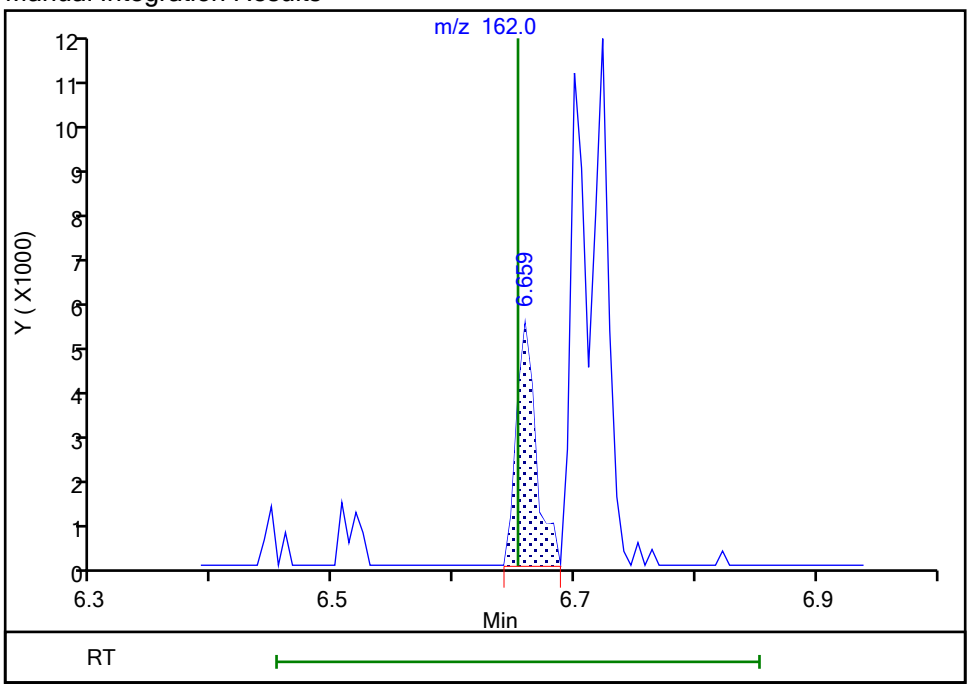
Not Detected
Expected RT: 6.65

Processing Integration Results



Manual Integration Results

RT: 6.66
Area: 5952
Amount: 0.136973
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:15 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

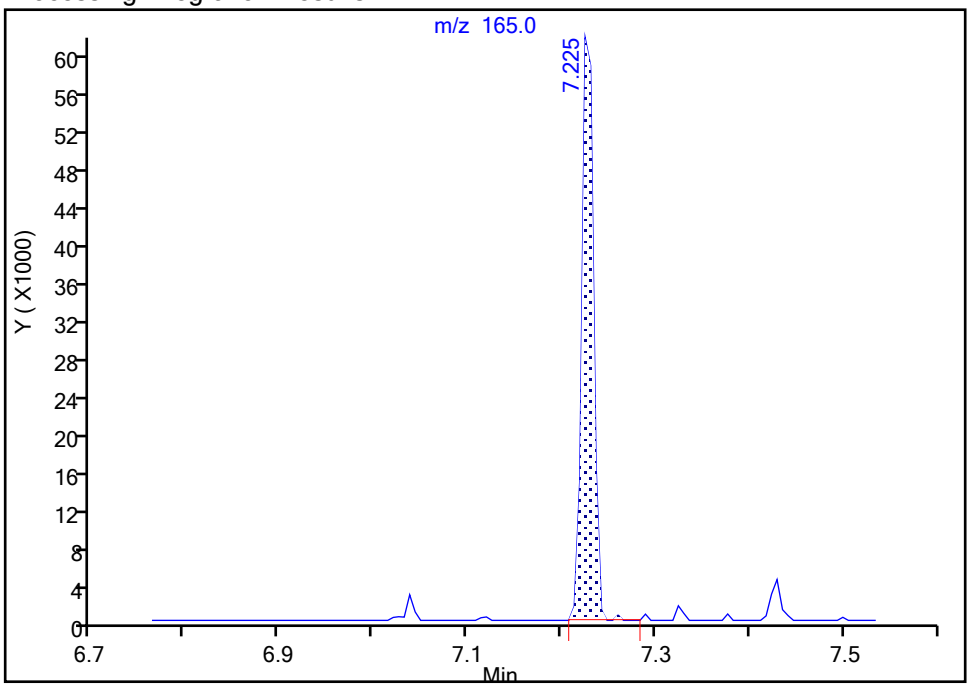
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Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Signal: 1

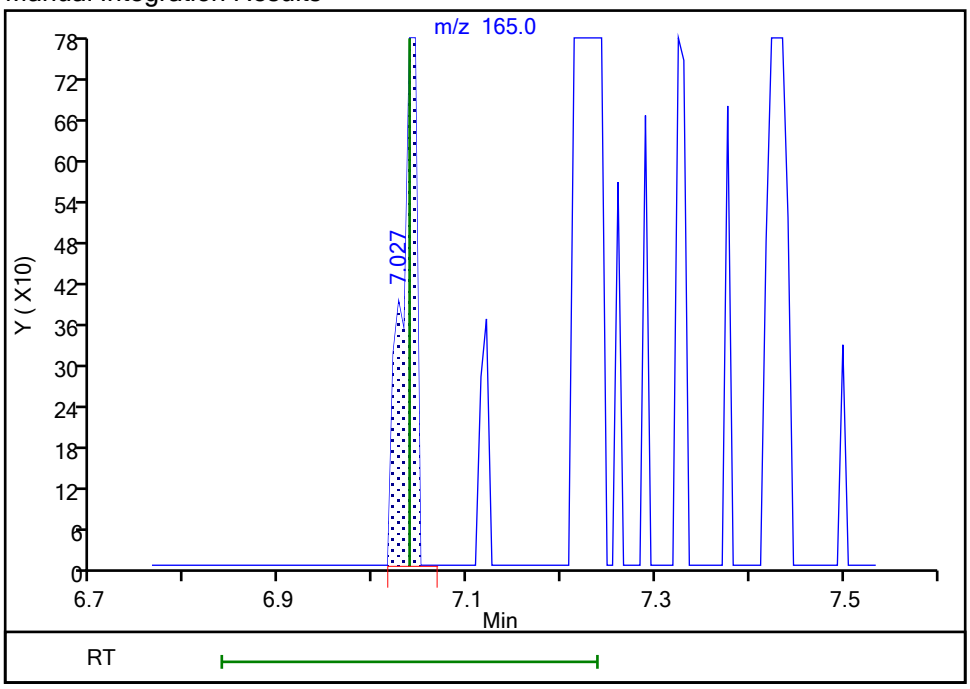
Processing Integration Results

RT: 7.23
Area: 54107
Amount: 0.730229
Amount Units: ug/ml



Manual Integration Results

RT: 7.03
Area: 1627
Amount: 0.071221
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:23:59 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

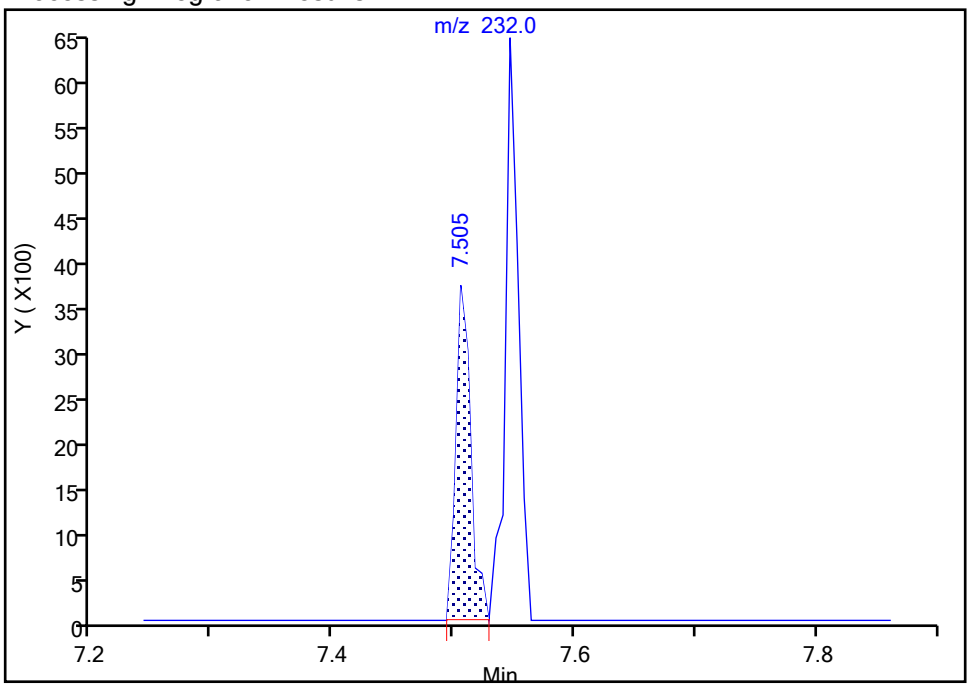
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

105 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

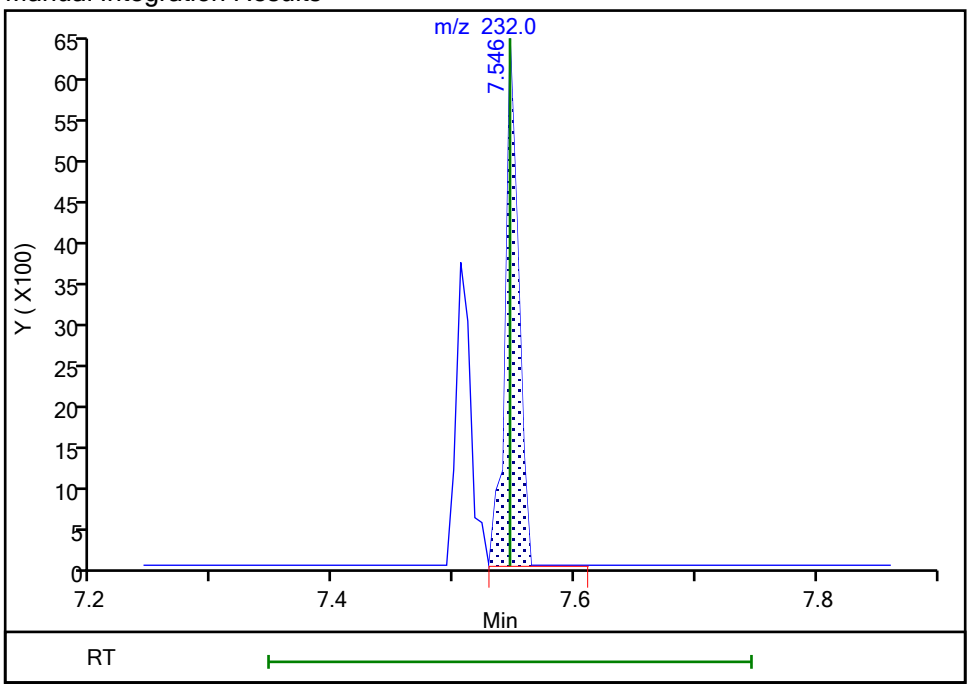
Processing Integration Results

RT: 7.51
Area: 3154
Amount: 0.109387
Amount Units: ug/ml



Manual Integration Results

RT: 7.55
Area: 4938
Amount: 0.161281
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:27 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

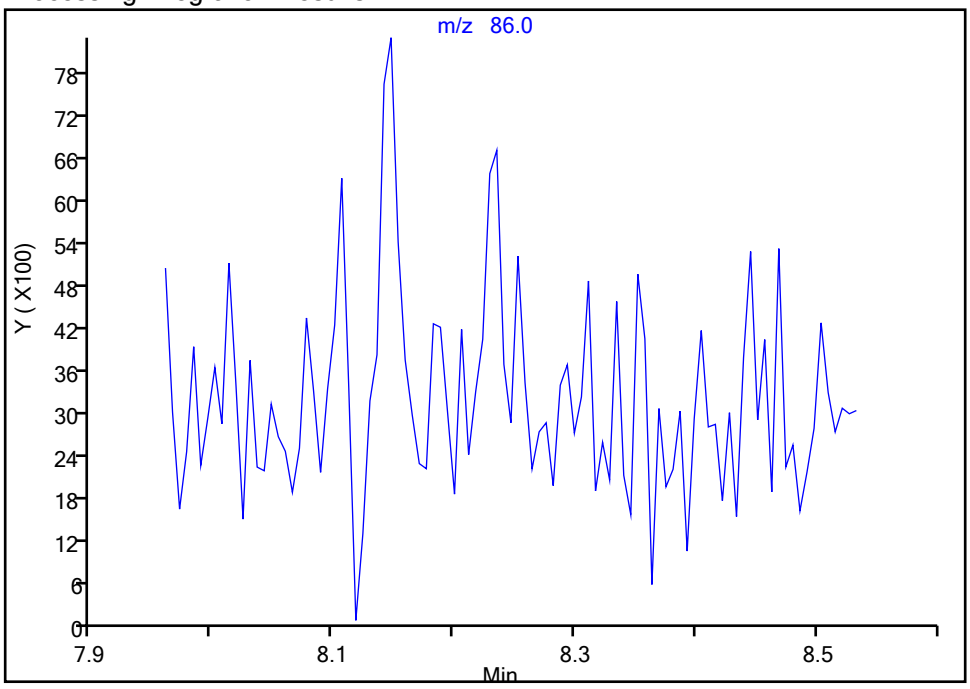
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

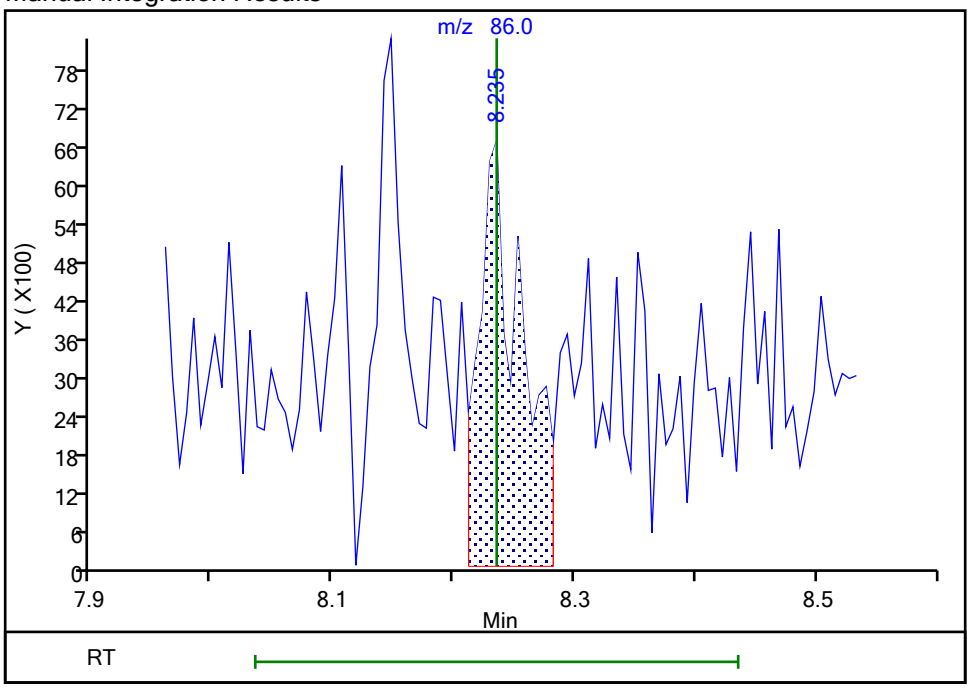
Not Detected
Expected RT: 8.24

Processing Integration Results



Manual Integration Results

RT: 8.24
Area: 15641
Amount: 0.235985
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:20:52 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

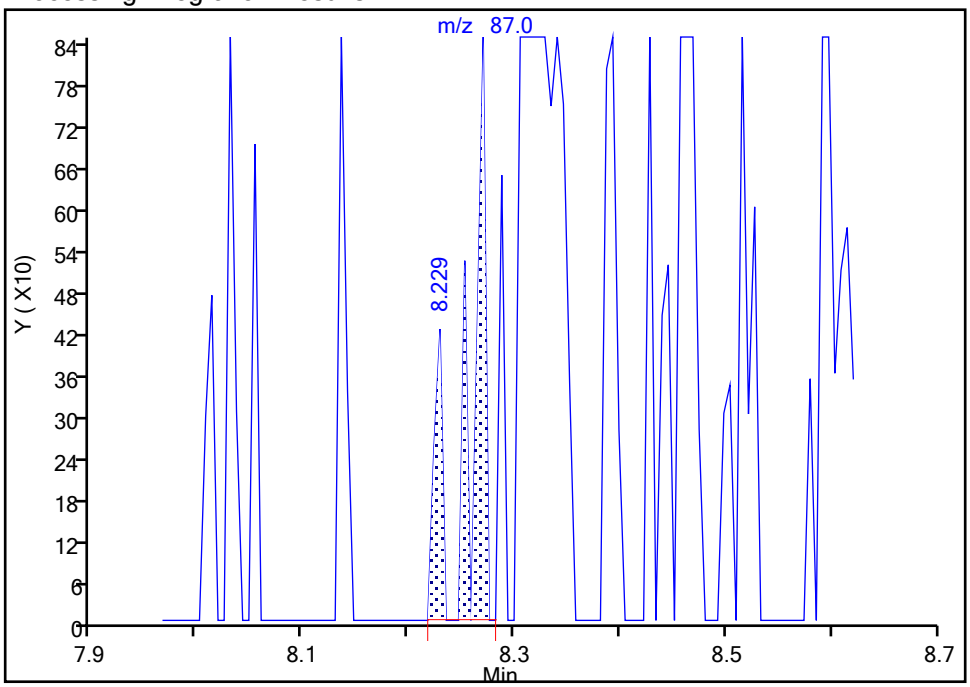
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

125 Dimethoate, CAS: 60-51-5

Signal: 1

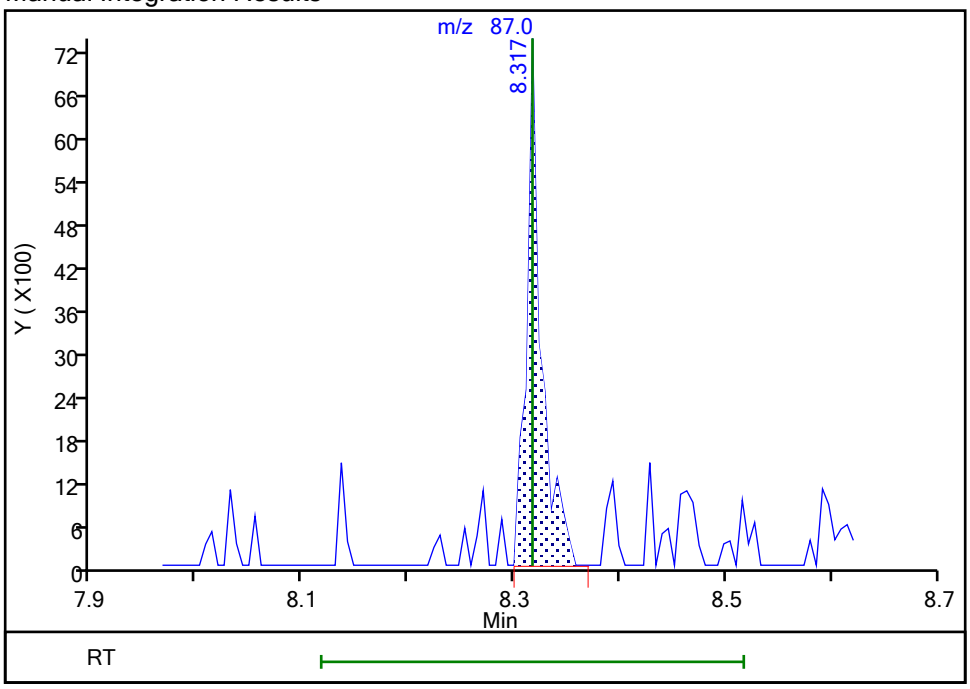
Processing Integration Results

RT: 8.23
Area: 930
Amount: 0.016813
Amount Units: ug/ml



Manual Integration Results

RT: 8.32
Area: 7099
Amount: 0.115465
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:42 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

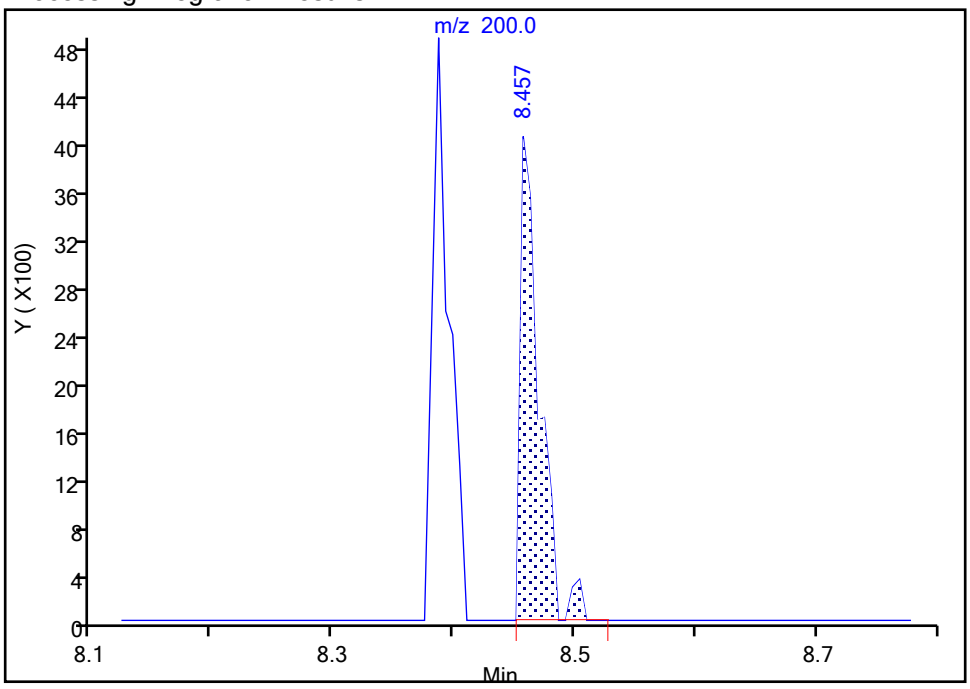
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

126 Atrazine, CAS: 1912-24-9

Signal: 1

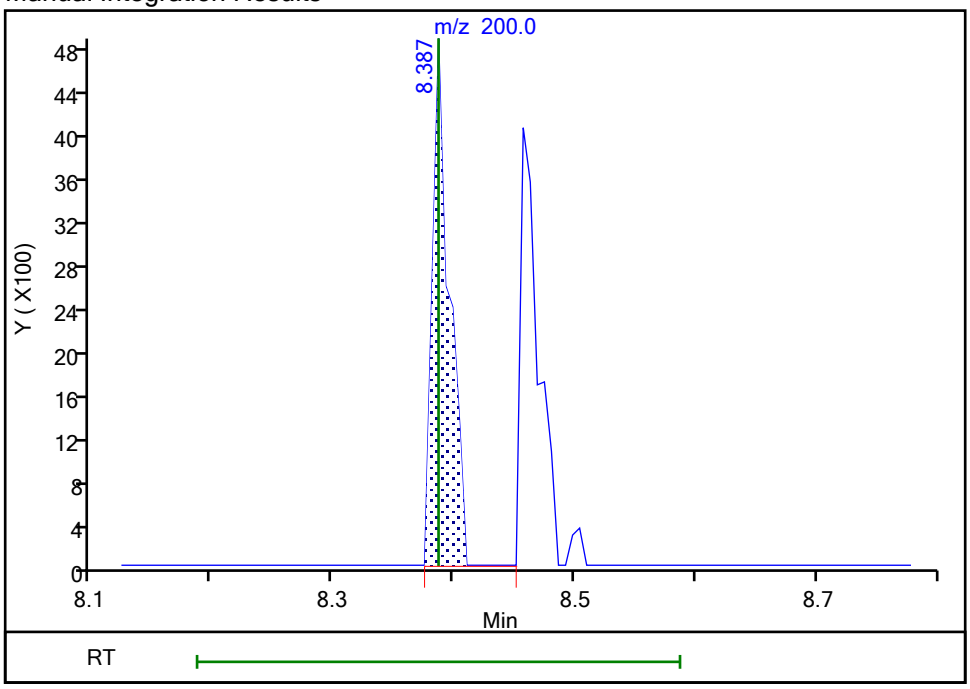
Processing Integration Results

RT: 8.46
Area: 4427
Amount: 0.125760
Amount Units: ug/ml



Manual Integration Results

RT: 8.39
Area: 4763
Amount: 0.134026
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:44 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

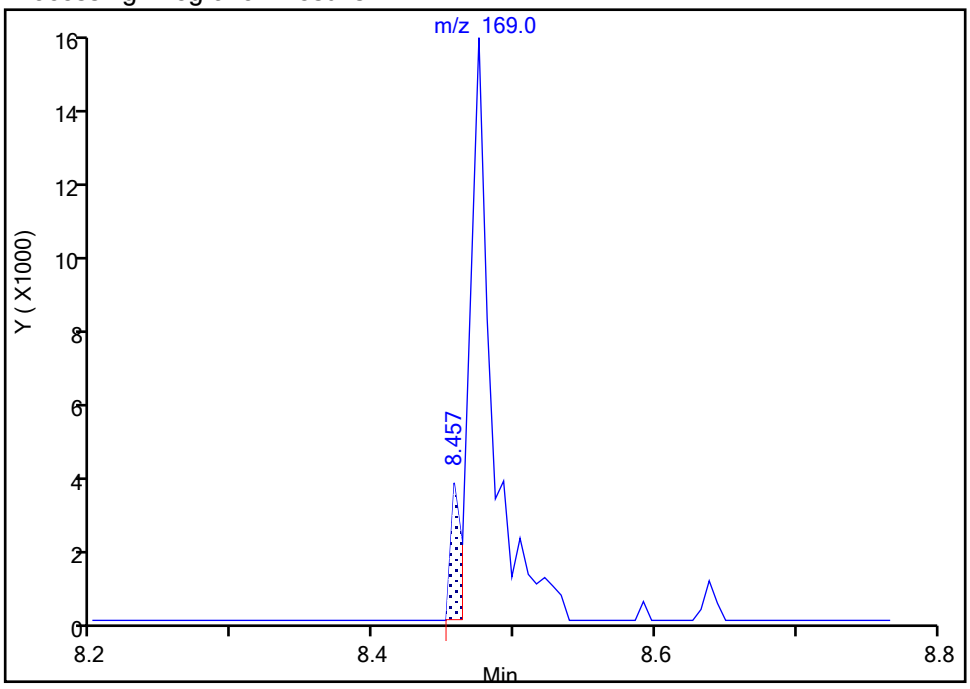
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

129 4-Aminobiphenyl, CAS: 92-67-1

Signal: 1

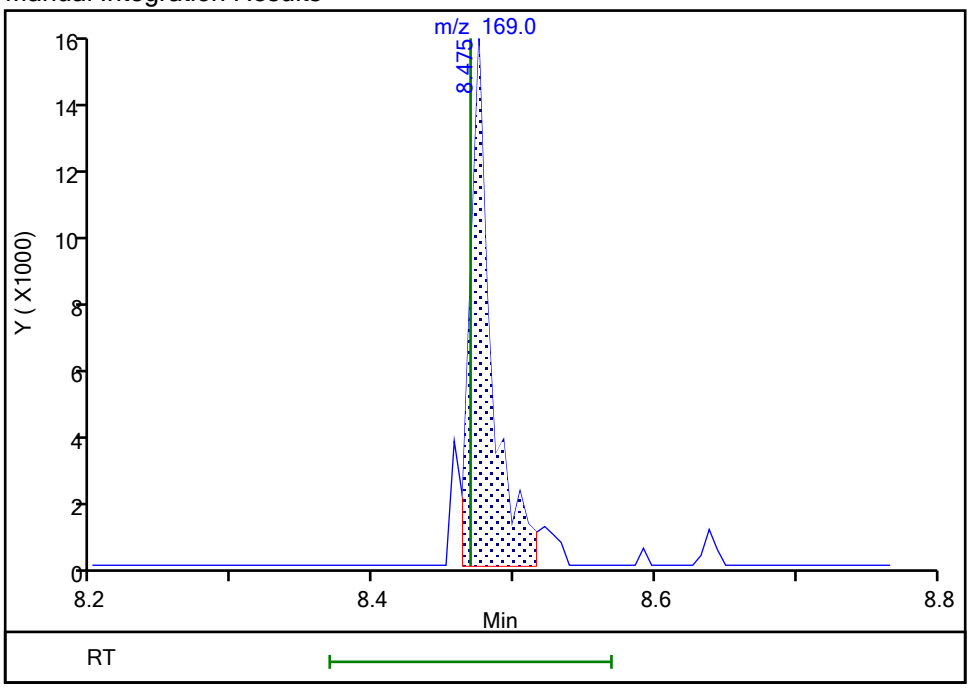
Processing Integration Results

RT: 8.46
Area: 1650
Amount: 0.014463
Amount Units: ug/ml



Manual Integration Results

RT: 8.47
Area: 16003
Amount: 0.124595
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:50 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

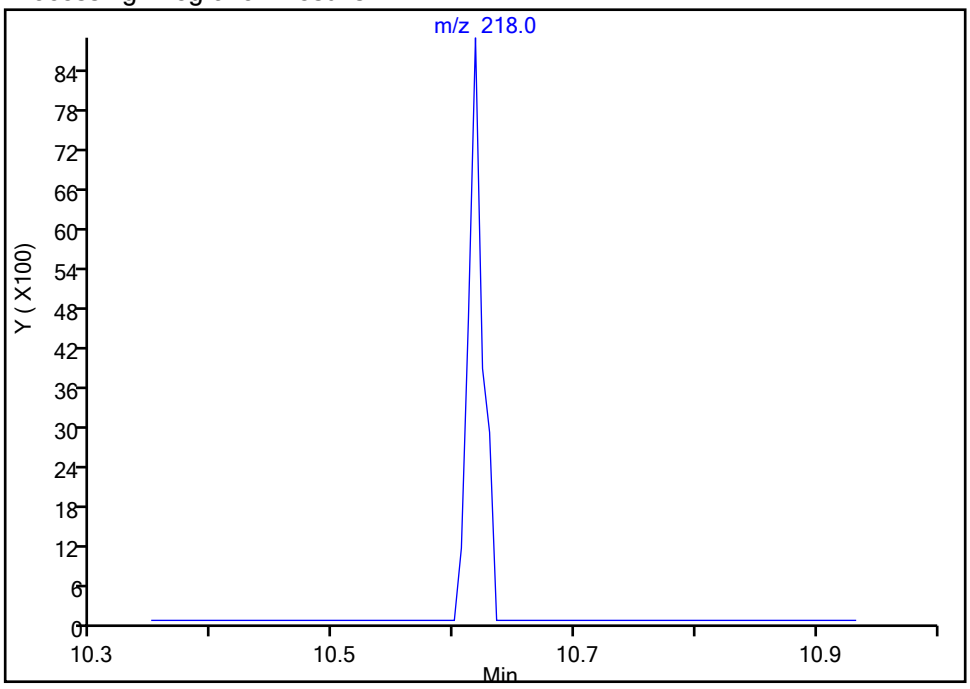
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0758.D				
Injection Date:	08-May-2025 02:18:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Signal: 1

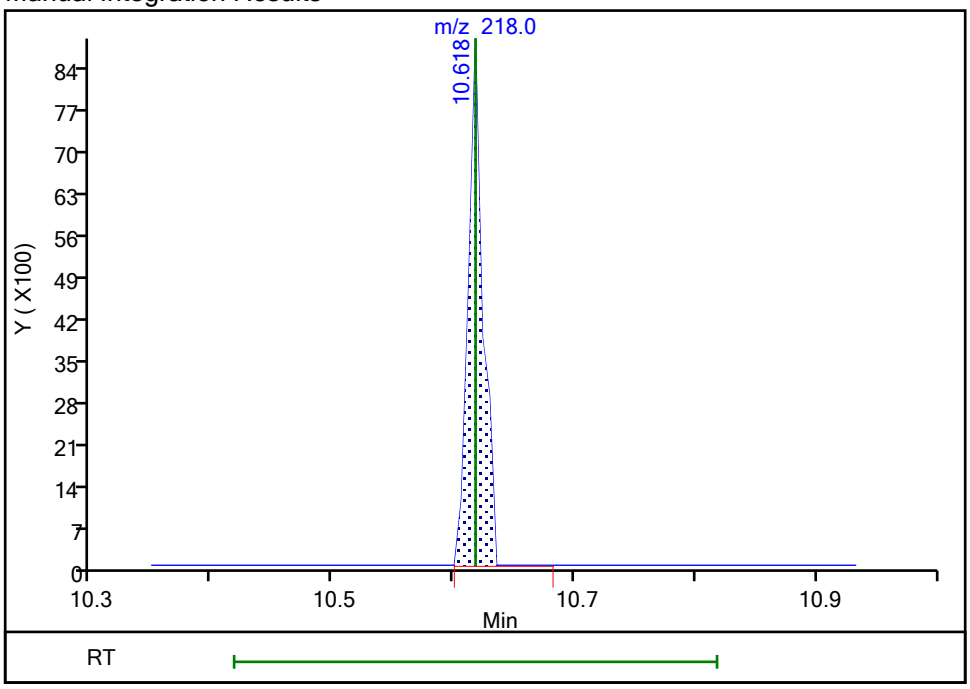
Not Detected
Expected RT: 10.62

Processing Integration Results



Manual Integration Results

RT: 10.62
Area: 7428
Amount: 0.113315
Amount Units: ug/ml



Reviewer: W6ZA, 08-May-2025 07:02:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

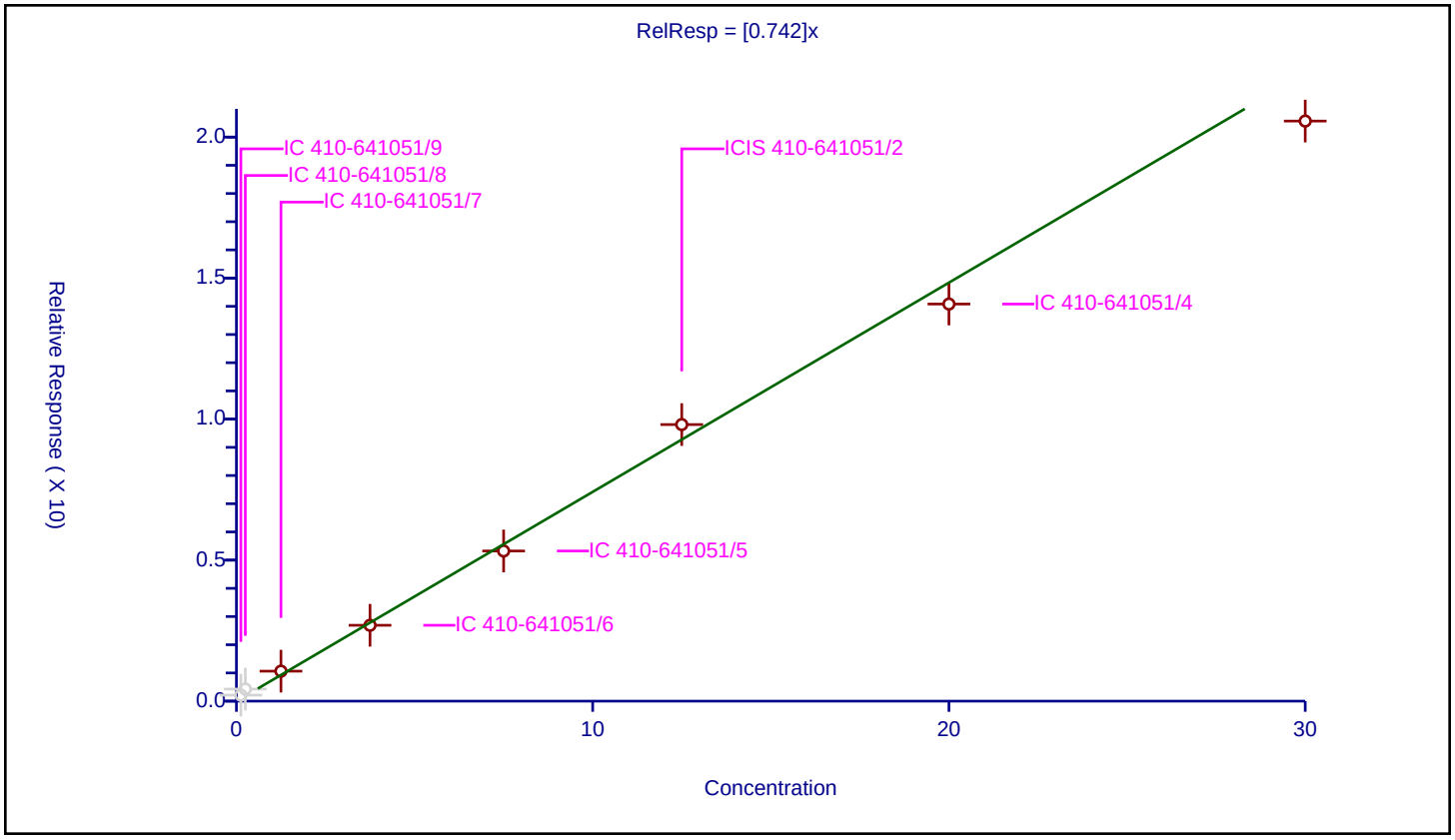
Curve Coefficients

Intercept:	0
Slope:	0.742

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.213802	5.0	168754.0	1.710419	N
2	IC 410-641051/8	0.25	0.428056	5.0	180841.0	1.712222	N
3	IC 410-641051/7	1.25	1.062862	5.0	180842.0	0.850289	Y
4	IC 410-641051/6	3.75	2.690241	5.0	195081.0	0.717398	Y
5	IC 410-641051/5	7.5	5.323909	5.0	183956.0	0.709855	Y
6	ICIS 410-641051/2	12.5	9.806829	5.0	206113.0	0.784546	Y
7	IC 410-641051/4	20.0	14.080538	5.0	196082.0	0.704027	Y
8	IC 410-641051/3	30.0	20.568298	5.0	180187.0	0.68561	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

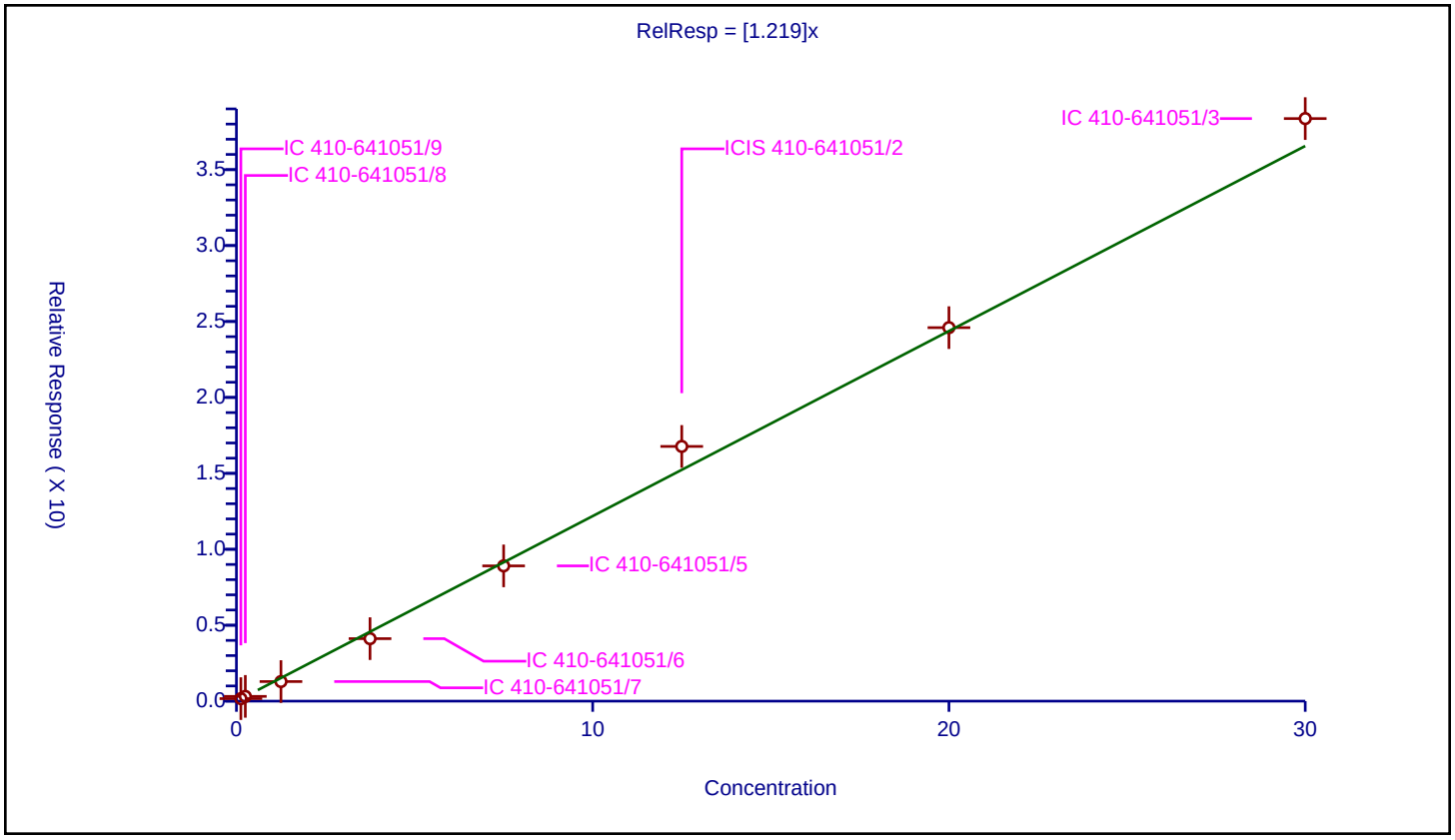
Curve Coefficients

Intercept:	0
Slope:	1.219

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.166278	5.0	168754.0	1.33022	Y
2	IC 410-641051/8	0.25	0.312623	5.0	180841.0	1.250491	Y
3	IC 410-641051/7	1.25	1.290463	5.0	180842.0	1.032371	Y
4	IC 410-641051/6	3.75	4.114675	5.0	195081.0	1.097247	Y
5	IC 410-641051/5	7.5	8.906505	5.0	183956.0	1.187534	Y
6	ICIS 410-641051/2	12.5	16.772959	5.0	206113.0	1.341837	Y
7	IC 410-641051/4	20.0	24.595526	5.0	196082.0	1.229776	Y
8	IC 410-641051/3	30.0	38.362423	5.0	180187.0	1.278747	Y



8/21/2025
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Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

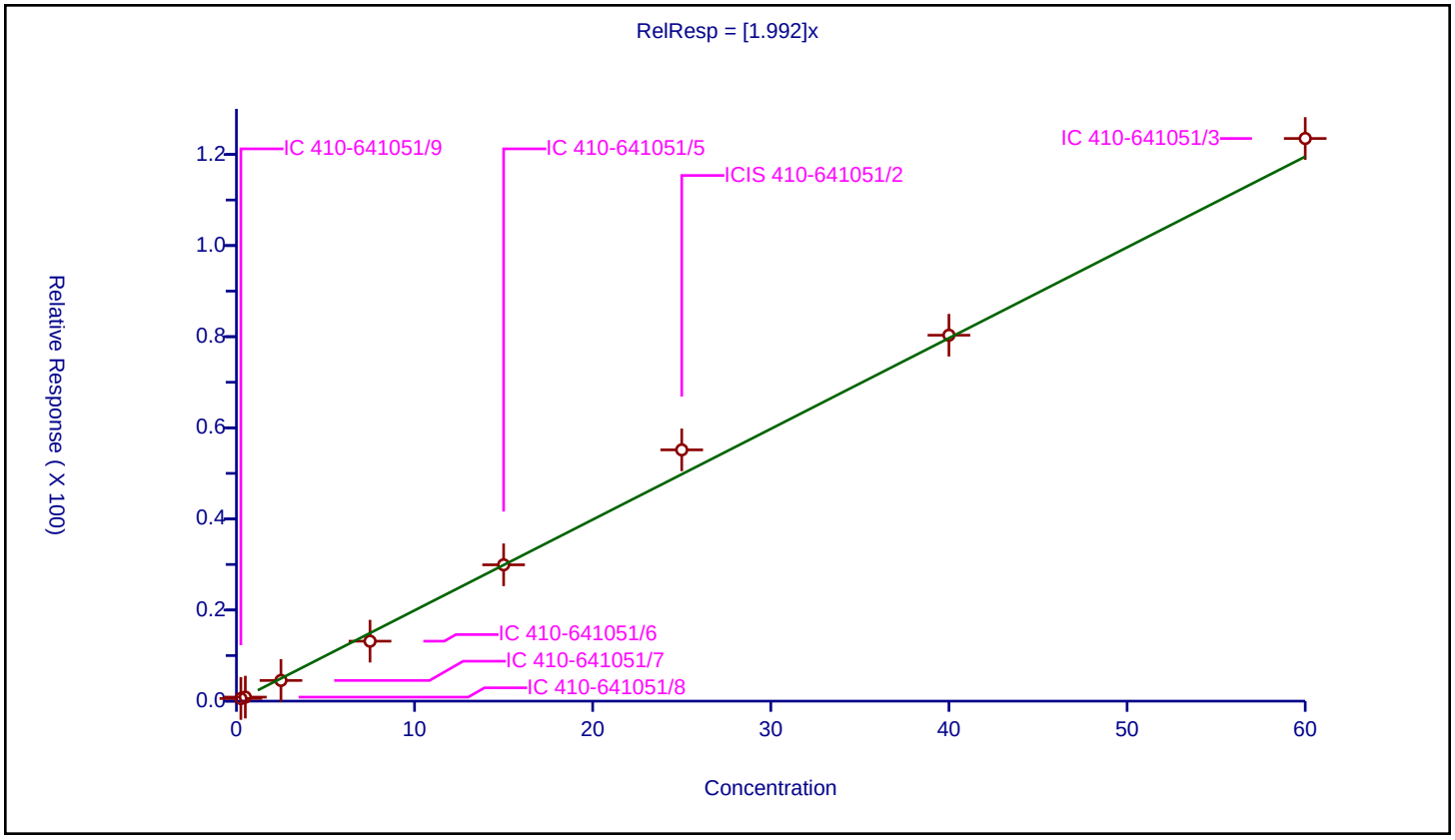
Curve Coefficients

Intercept:	0
Slope:	1.992

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.58206	5.0	168754.0	2.328241	Y
2	IC 410-641051/8	0.5	0.885059	5.0	180841.0	1.770119	Y
3	IC 410-641051/7	2.5	4.540262	5.0	180842.0	1.816105	Y
4	IC 410-641051/6	7.5	13.1612	5.0	195081.0	1.754827	Y
5	IC 410-641051/5	15.0	29.92115	5.0	183956.0	1.994743	Y
6	ICIS 410-641051/2	25.0	55.154042	5.0	206113.0	2.206162	Y
7	IC 410-641051/4	40.0	80.325425	5.0	196082.0	2.008136	Y
8	IC 410-641051/3	60.0	123.505331	5.0	180187.0	2.058422	Y



8/21/2025
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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

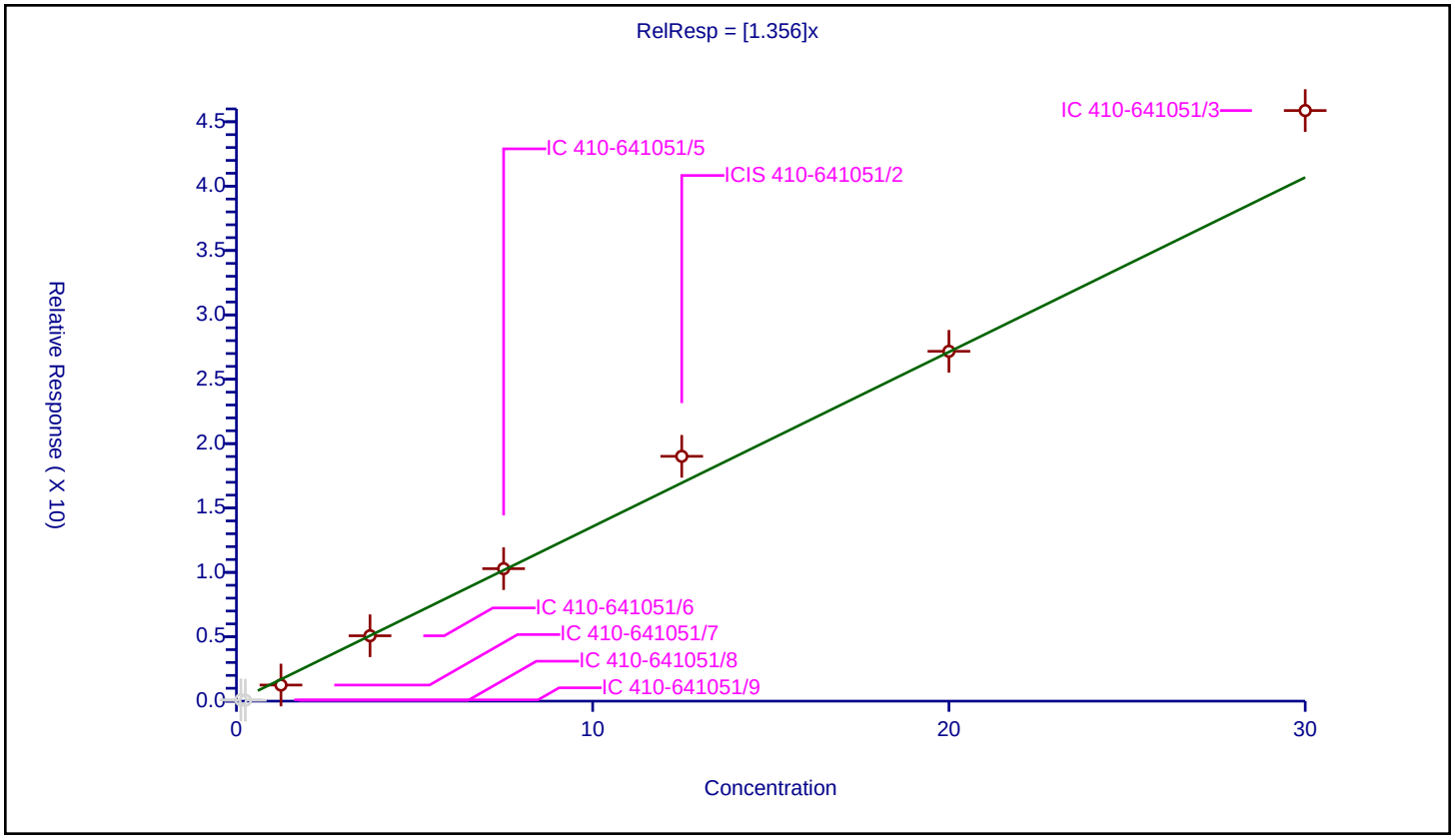
Curve Coefficients

Intercept:	0
Slope:	1.356

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.100768	5.0	168754.0	0.806144	N
2	IC 410-641051/8	0.25	0.067573	5.0	180841.0	0.270293	N
3	IC 410-641051/7	1.25	1.251341	5.0	180842.0	1.001073	Y
4	IC 410-641051/6	3.75	5.077916	5.0	195081.0	1.354111	Y
5	IC 410-641051/5	7.5	10.287759	5.0	183956.0	1.371701	Y
6	ICIS 410-641051/2	12.5	19.016898	5.0	206113.0	1.521352	Y
7	IC 410-641051/4	20.0	27.174039	5.0	196082.0	1.358702	Y
8	IC 410-641051/3	30.0	45.870762	5.0	180187.0	1.529025	Y



Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

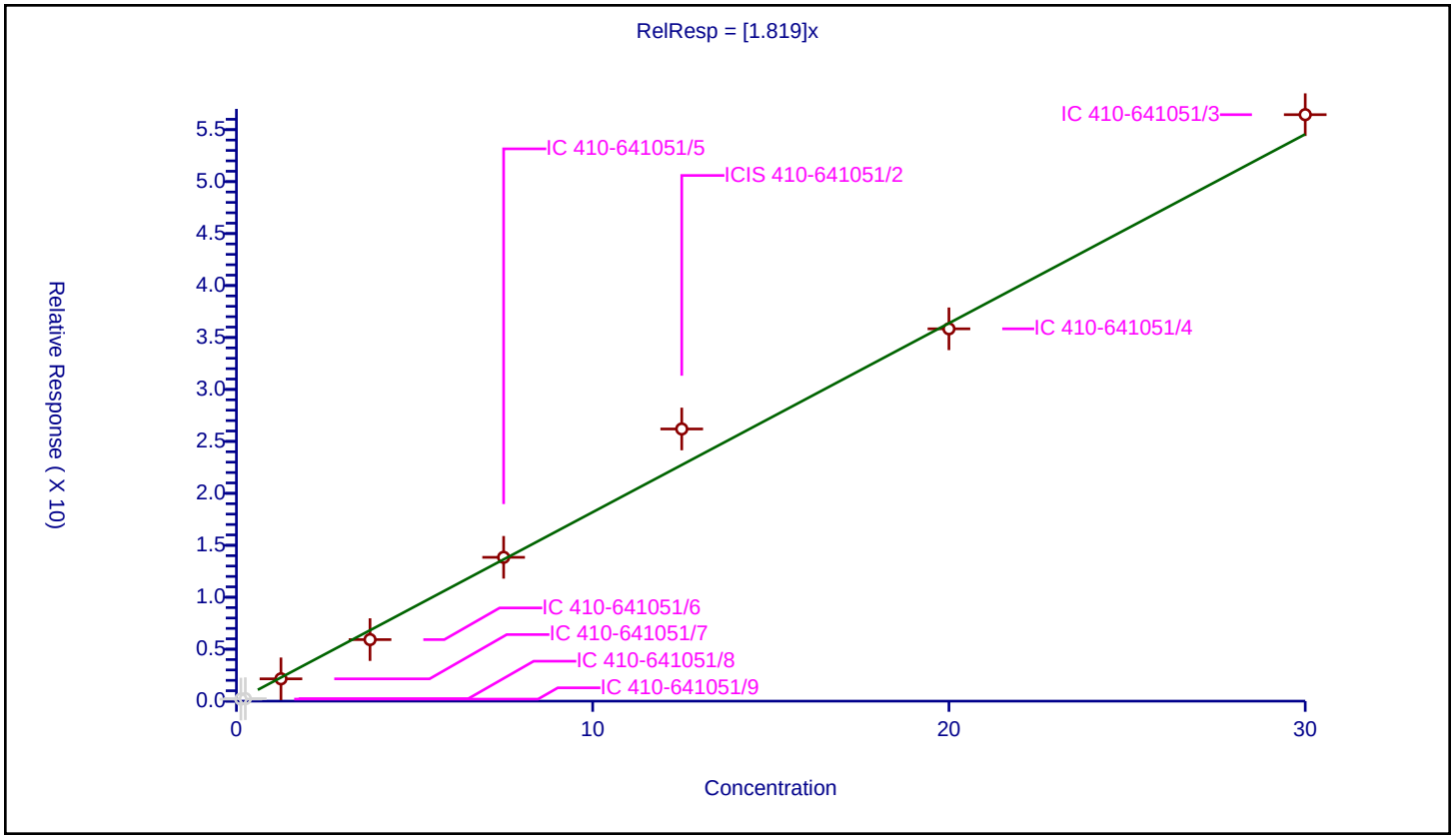
Curve Coefficients

Intercept:	0
Slope:	1.819

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.195403	5.0	168754.0	1.563222	N
2	IC 410-641051/8	0.25	0.236285	5.0	180841.0	0.94514	N
3	IC 410-641051/7	1.25	2.148008	5.0	180842.0	1.718406	Y
4	IC 410-641051/6	3.75	5.922027	5.0	195081.0	1.579207	Y
5	IC 410-641051/5	7.5	13.841924	5.0	183956.0	1.84559	Y
6	ICIS 410-641051/2	12.5	26.194782	5.0	206113.0	2.095583	Y
7	IC 410-641051/4	20.0	35.834804	5.0	196082.0	1.79174	Y
8	IC 410-641051/3	30.0	56.442474	5.0	180187.0	1.881416	Y



8/21/2025
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Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

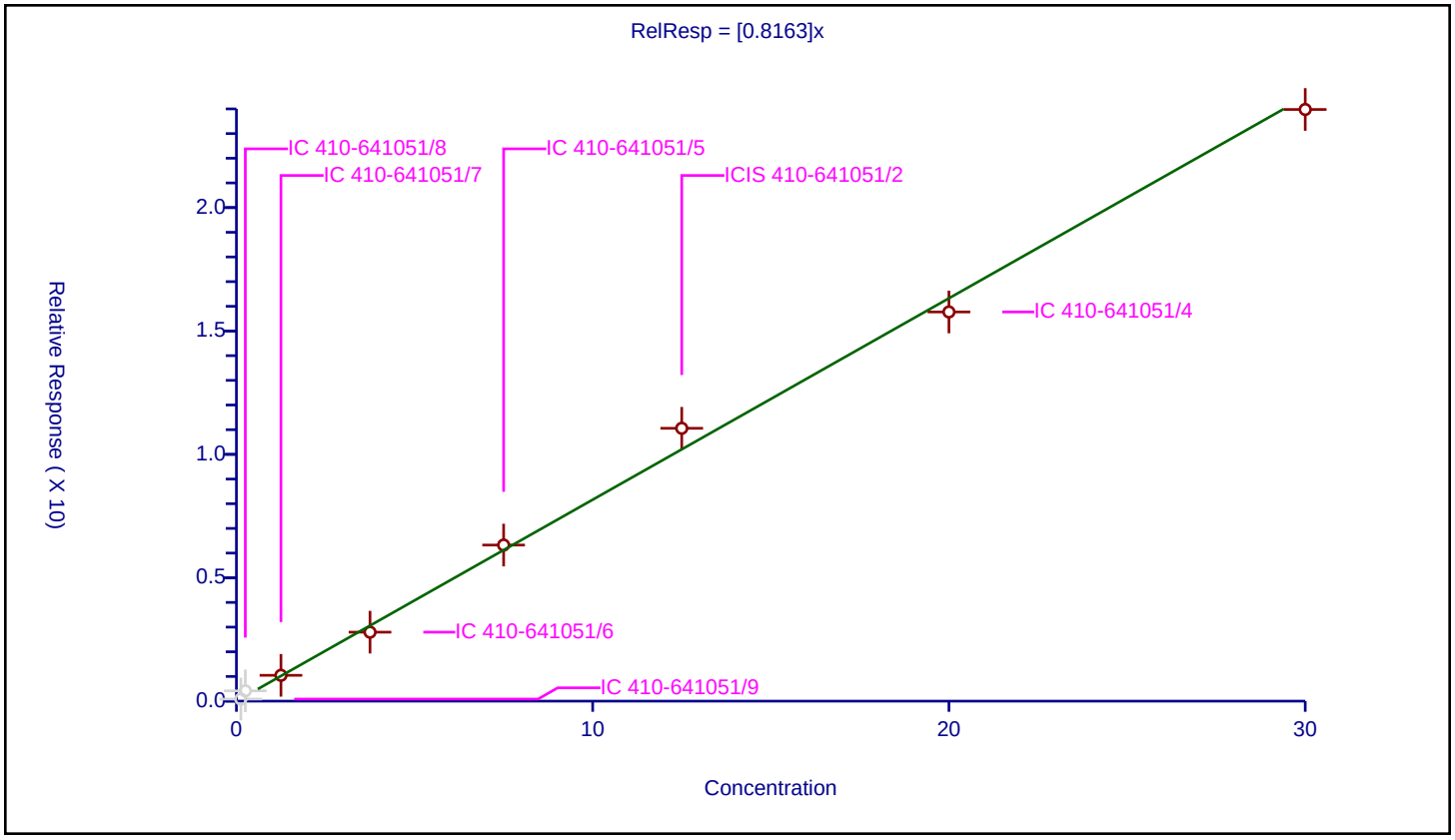
Curve Coefficients

Intercept:	0
Slope:	0.8163

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.083168	5.0	168754.0	0.665347	N
2	IC 410-641051/8	0.25	0.416913	5.0	180841.0	1.667653	N
3	IC 410-641051/7	1.25	1.045885	5.0	180842.0	0.836708	Y
4	IC 410-641051/6	3.75	2.794993	5.0	195081.0	0.745331	Y
5	IC 410-641051/5	7.5	6.325453	5.0	183956.0	0.843394	Y
6	ICIS 410-641051/2	12.5	11.056653	5.0	206113.0	0.884532	Y
7	IC 410-641051/4	20.0	15.771871	5.0	196082.0	0.788594	Y
8	IC 410-641051/3	30.0	23.975759	5.0	180187.0	0.799192	Y



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Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

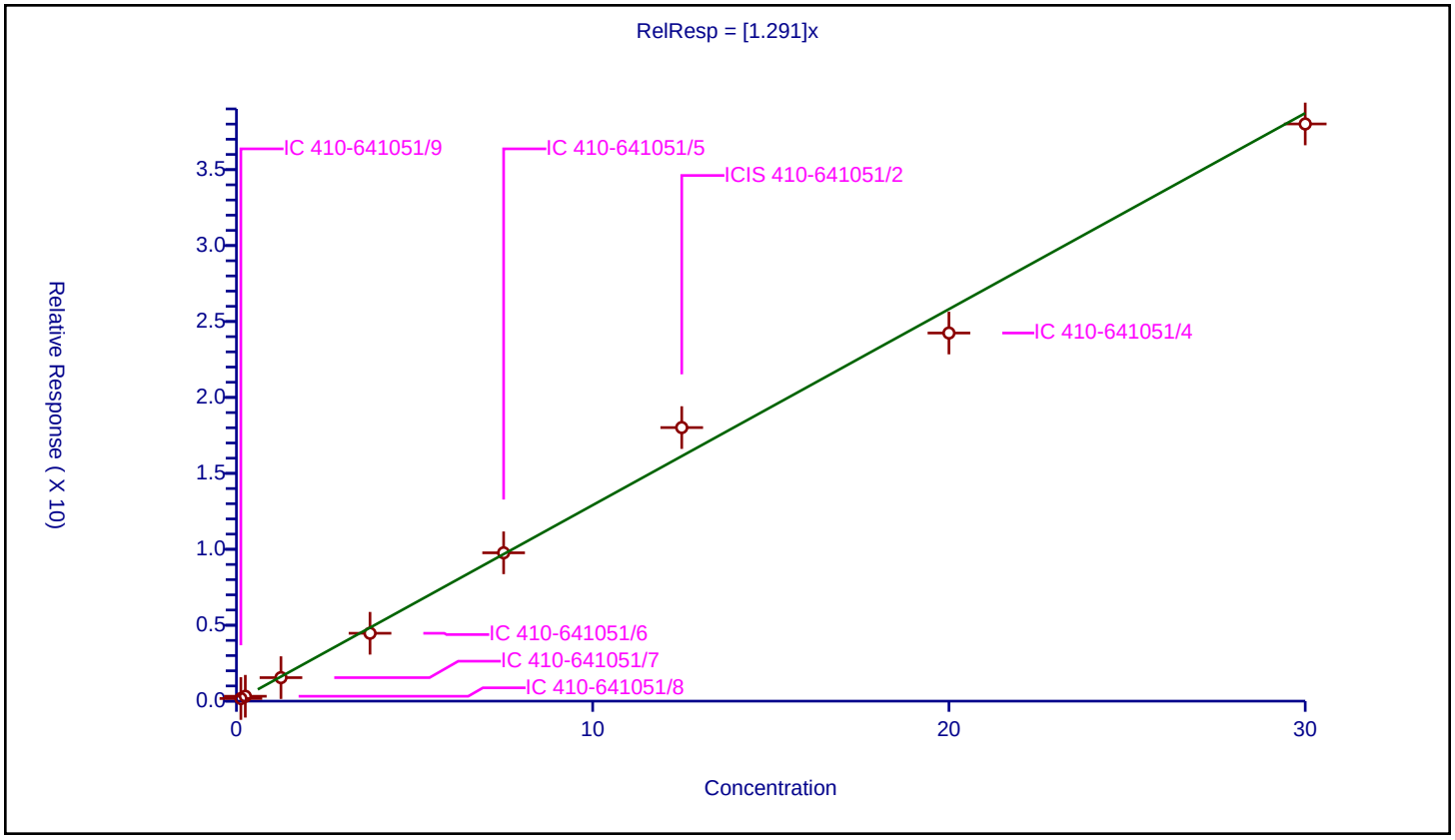
Curve Coefficients

Intercept:	0
Slope:	1.291

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.172855	5.0	168754.0	1.382841	Y
2	IC 410-641051/8	0.25	0.322327	5.0	180841.0	1.289309	Y
3	IC 410-641051/7	1.25	1.548175	5.0	180842.0	1.23854	Y
4	IC 410-641051/6	3.75	4.47022	5.0	195081.0	1.192059	Y
5	IC 410-641051/5	7.5	9.767689	5.0	183956.0	1.302359	Y
6	ICIS 410-641051/2	12.5	18.014827	5.0	206113.0	1.441186	Y
7	IC 410-641051/4	20.0	24.2407	5.0	196082.0	1.212035	Y
8	IC 410-641051/3	30.0	38.008319	5.0	180187.0	1.266944	Y



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Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

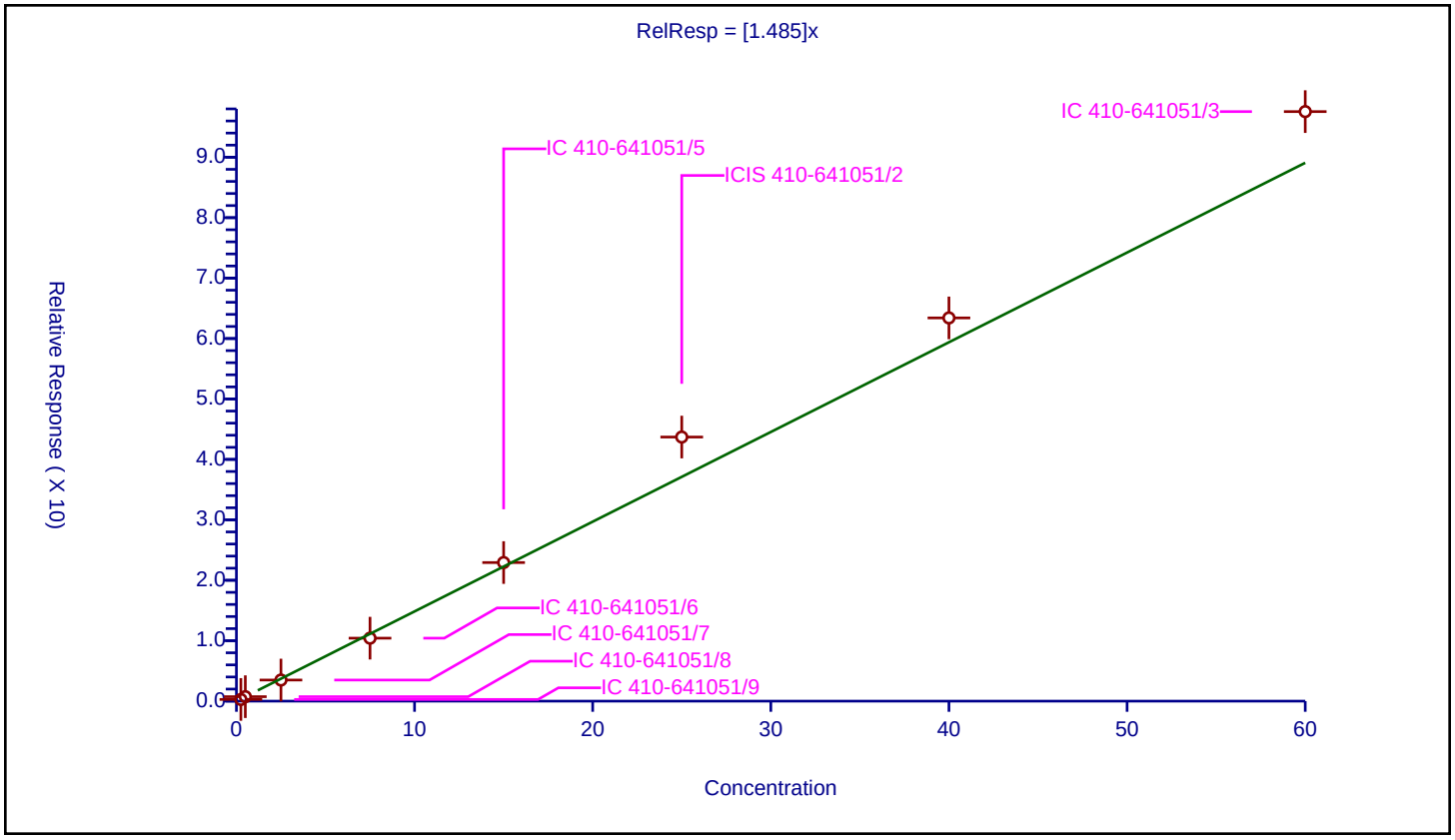
Curve Coefficients

Intercept:	0
Slope:	1.485

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.281119	5.0	168754.0	1.124477	Y
2	IC 410-641051/8	0.5	0.738411	5.0	180841.0	1.476822	Y
3	IC 410-641051/7	2.5	3.49457	5.0	180842.0	1.397828	Y
4	IC 410-641051/6	7.5	10.42226	5.0	195081.0	1.389635	Y
5	IC 410-641051/5	15.0	22.934343	5.0	183956.0	1.528956	Y
6	ICIS 410-641051/2	25.0	43.700373	5.0	206113.0	1.748015	Y
7	IC 410-641051/4	40.0	63.413929	5.0	196082.0	1.585348	Y
8	IC 410-641051/3	60.0	97.551266	5.0	180187.0	1.625854	Y



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Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

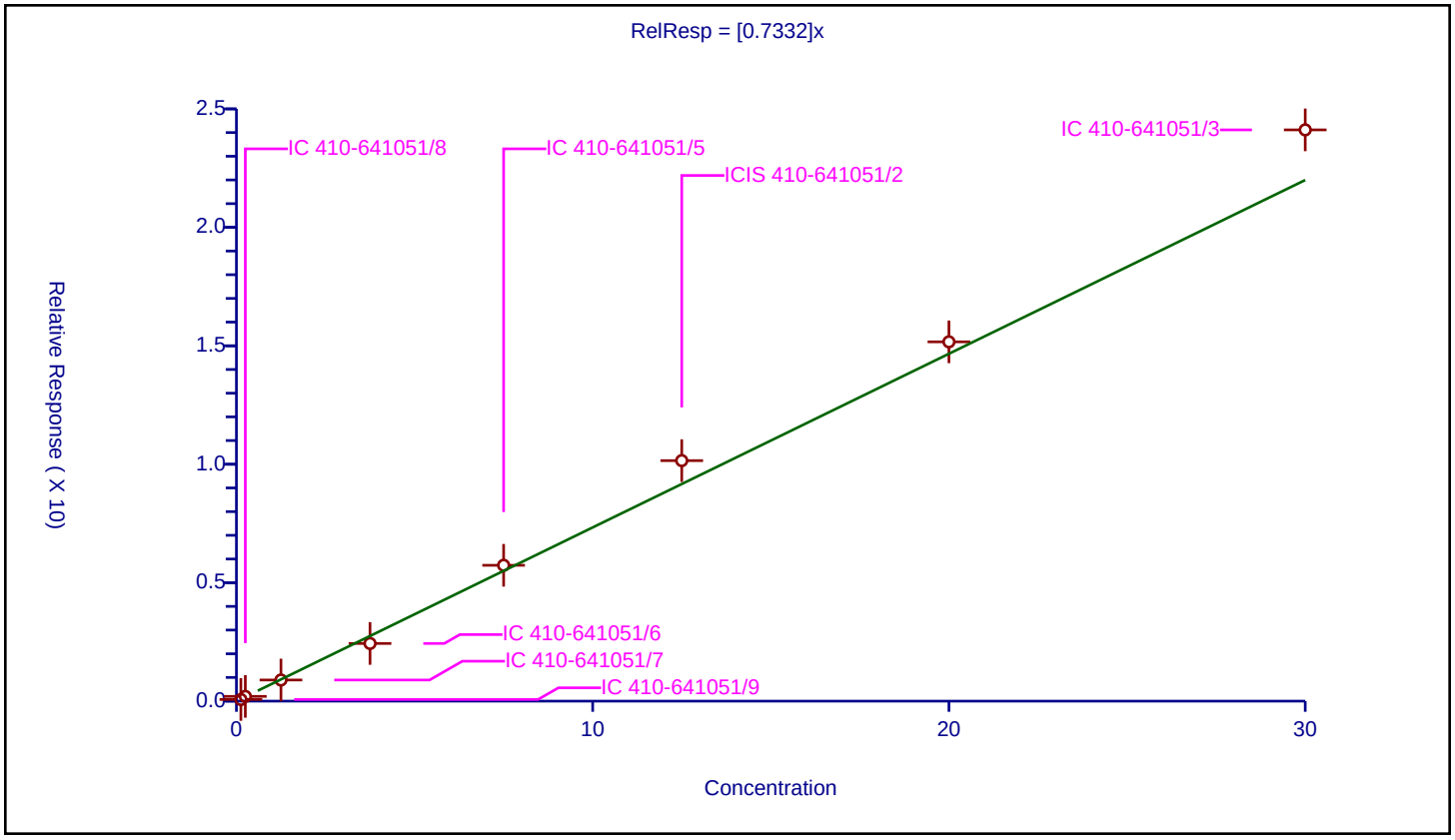
Curve Coefficients

Intercept:	0
Slope:	0.7332

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.07028	5.0	168754.0	0.562239	Y
2	IC 410-641051/8	0.25	0.200286	5.0	180841.0	0.801146	Y
3	IC 410-641051/7	1.25	0.892492	5.0	180842.0	0.713993	Y
4	IC 410-641051/6	3.75	2.434937	5.0	195081.0	0.649317	Y
5	IC 410-641051/5	7.5	5.734632	5.0	183956.0	0.764618	Y
6	ICIS 410-641051/2	12.5	10.152877	5.0	206113.0	0.81223	Y
7	IC 410-641051/4	20.0	15.1672	5.0	196082.0	0.75836	Y
8	IC 410-641051/3	30.0	24.114392	5.0	180187.0	0.803813	Y



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Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

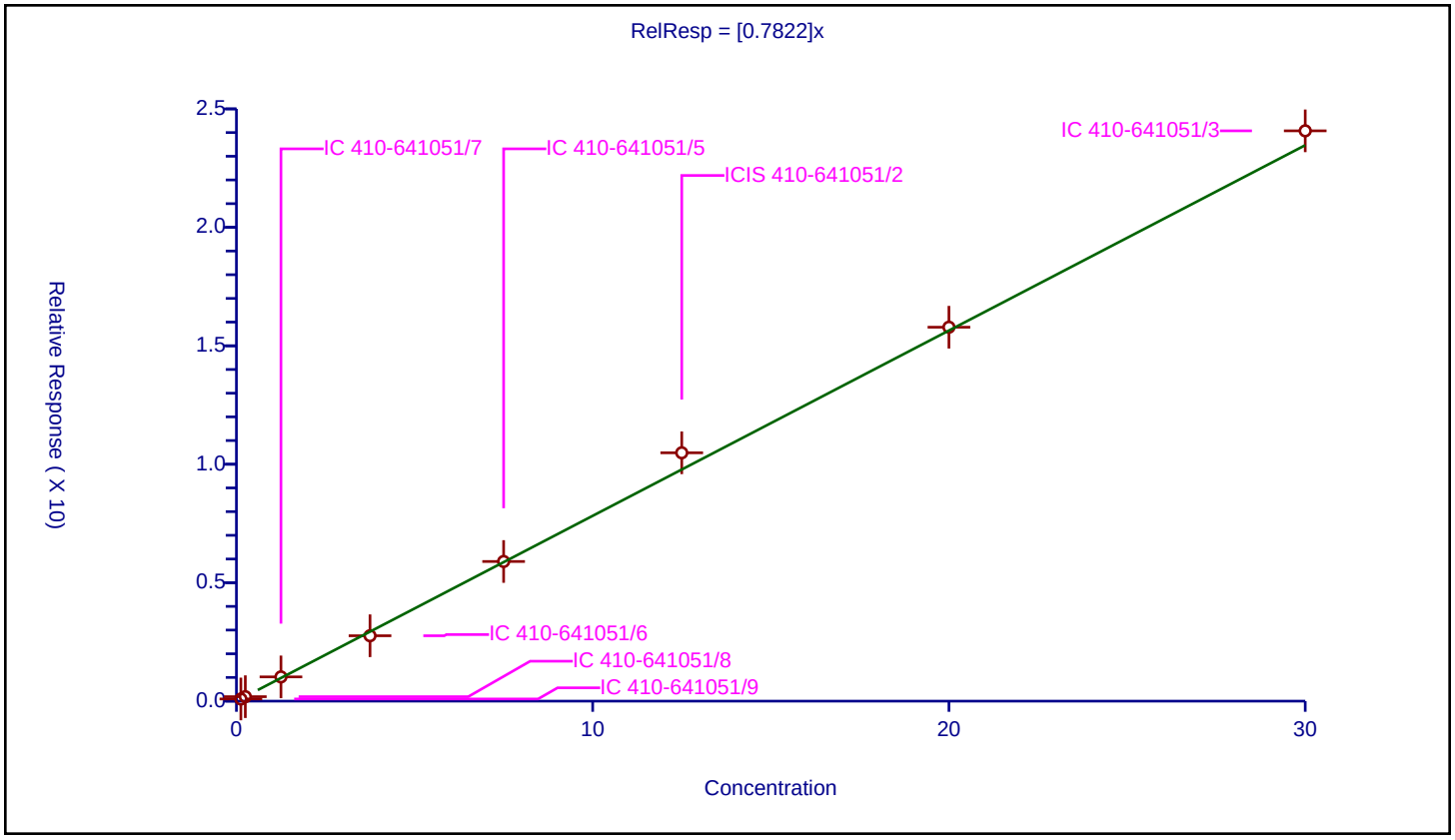
Curve Coefficients

Intercept:	0
Slope:	0.7822

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.091731	5.0	168754.0	0.733849	Y
2	IC 410-641051/8	0.25	0.188066	5.0	180841.0	0.752263	Y
3	IC 410-641051/7	1.25	1.023767	5.0	180842.0	0.819013	Y
4	IC 410-641051/6	3.75	2.760443	5.0	195081.0	0.736118	Y
5	IC 410-641051/5	7.5	5.894779	5.0	183956.0	0.785971	Y
6	ICIS 410-641051/2	12.5	10.483812	5.0	206113.0	0.838705	Y
7	IC 410-641051/4	20.0	15.784468	5.0	196082.0	0.789223	Y
8	IC 410-641051/3	30.0	24.073601	5.0	180187.0	0.802453	Y



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Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

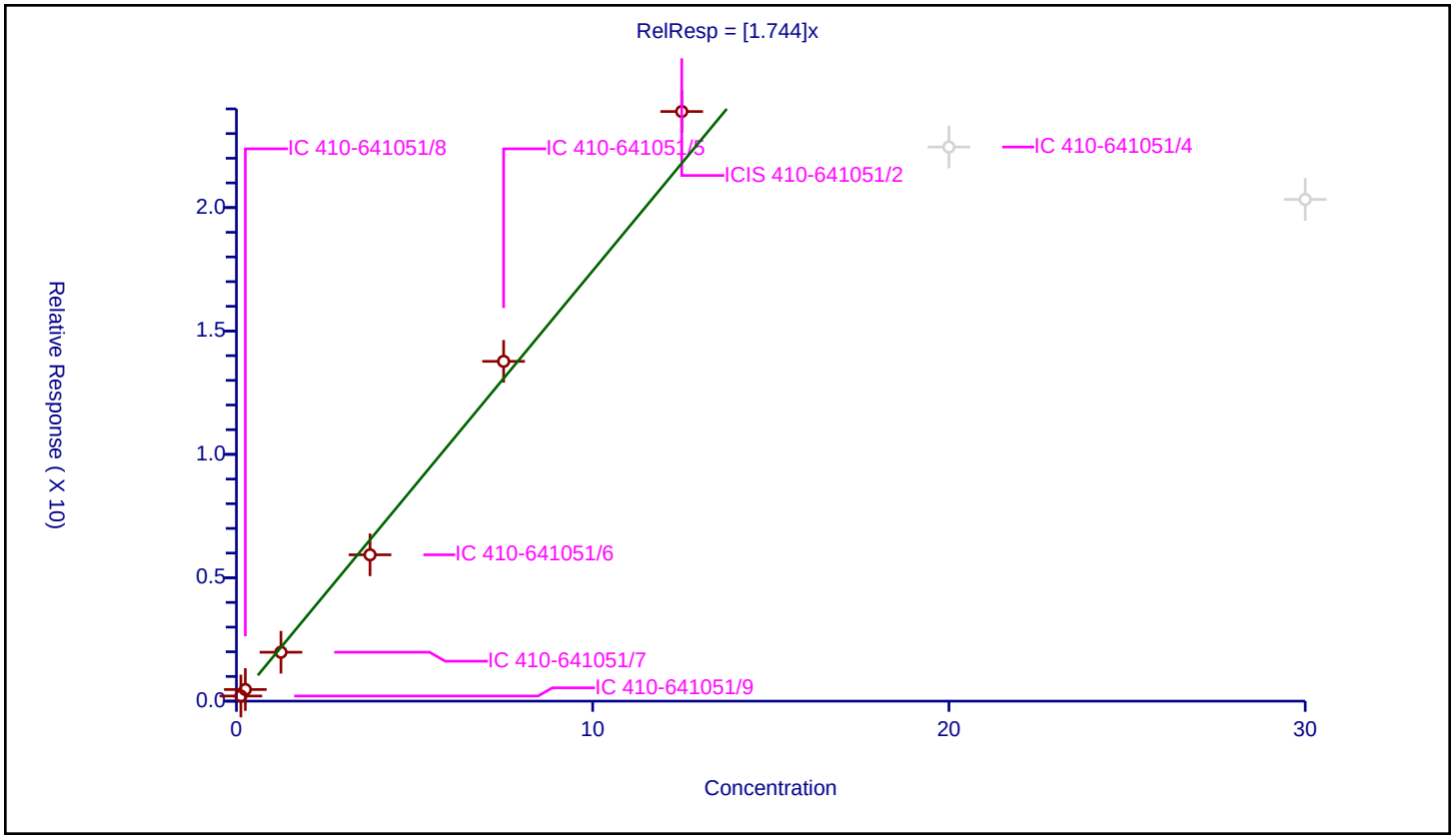
Curve Coefficients

Intercept:	0
Slope:	1.744

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.207758	5.0	168754.0	1.662064	Y
2	IC 410-641051/8	0.25	0.471326	5.0	180841.0	1.885303	Y
3	IC 410-641051/7	1.25	1.982587	5.0	180842.0	1.58607	Y
4	IC 410-641051/6	3.75	5.929896	5.0	195081.0	1.581306	Y
5	IC 410-641051/5	7.5	13.769733	5.0	183956.0	1.835964	Y
6	ICIS 410-641051/2	12.5	23.892646	5.0	206113.0	1.911412	Y
7	IC 410-641051/4	20.0	22.454203	5.0	196082.0	1.12271	N
8	IC 410-641051/3	30.0	20.329963	5.0	180187.0	0.677665	N



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Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

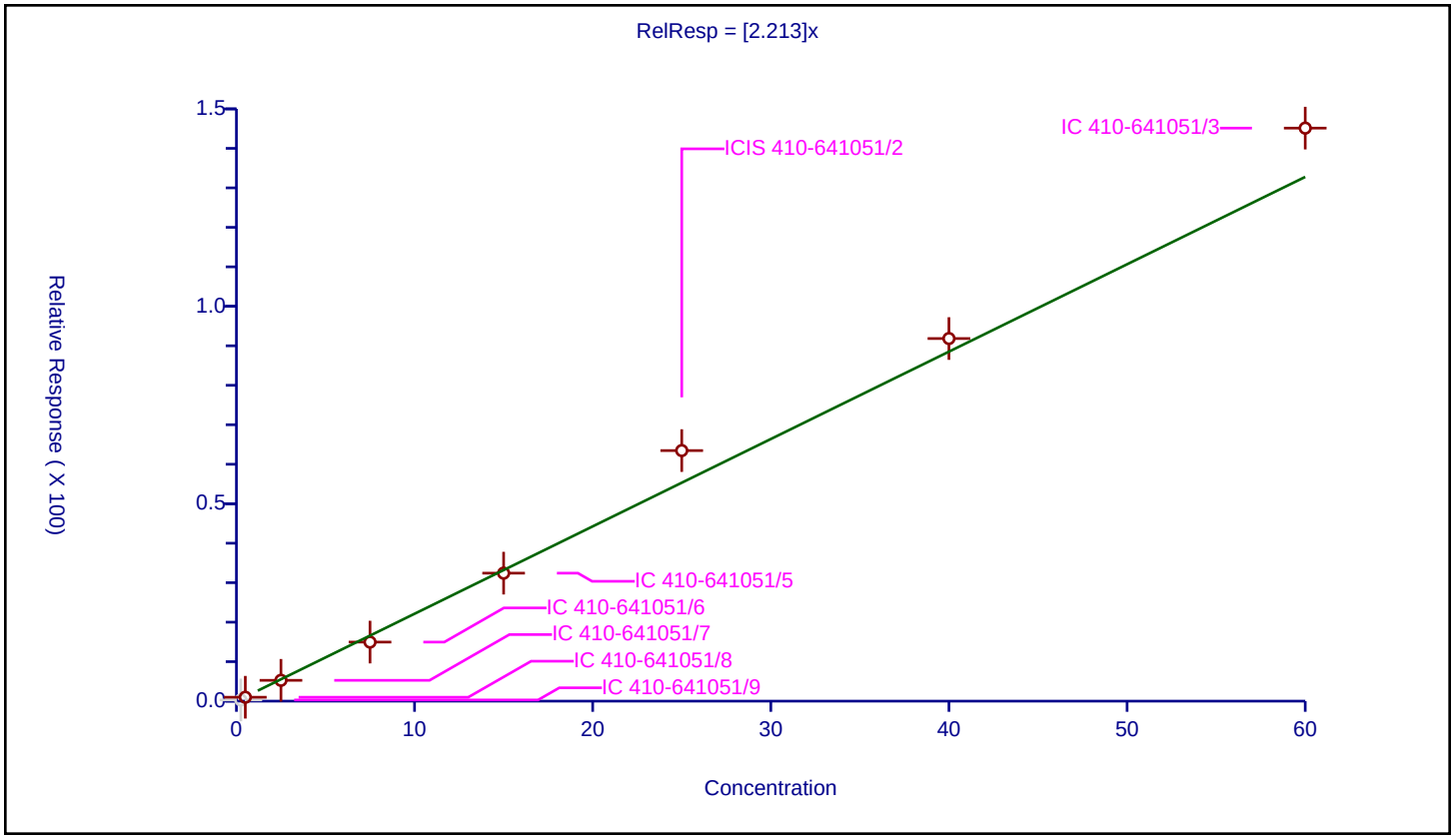
Curve Coefficients

Intercept:	0
Slope:	2.213

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.3026	5.0	168754.0	1.210401	N
2	IC 410-641051/8	0.5	0.986004	5.0	180841.0	1.972009	Y
3	IC 410-641051/7	2.5	5.27231	5.0	180842.0	2.108924	Y
4	IC 410-641051/6	7.5	14.960324	5.0	195081.0	1.99471	Y
5	IC 410-641051/5	15.0	32.41411	5.0	183956.0	2.160941	Y
6	ICIS 410-641051/2	25.0	63.462227	5.0	206113.0	2.538489	Y
7	IC 410-641051/4	40.0	91.84099	5.0	196082.0	2.296025	Y
8	IC 410-641051/3	60.0	145.131669	5.0	180187.0	2.418861	Y



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Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

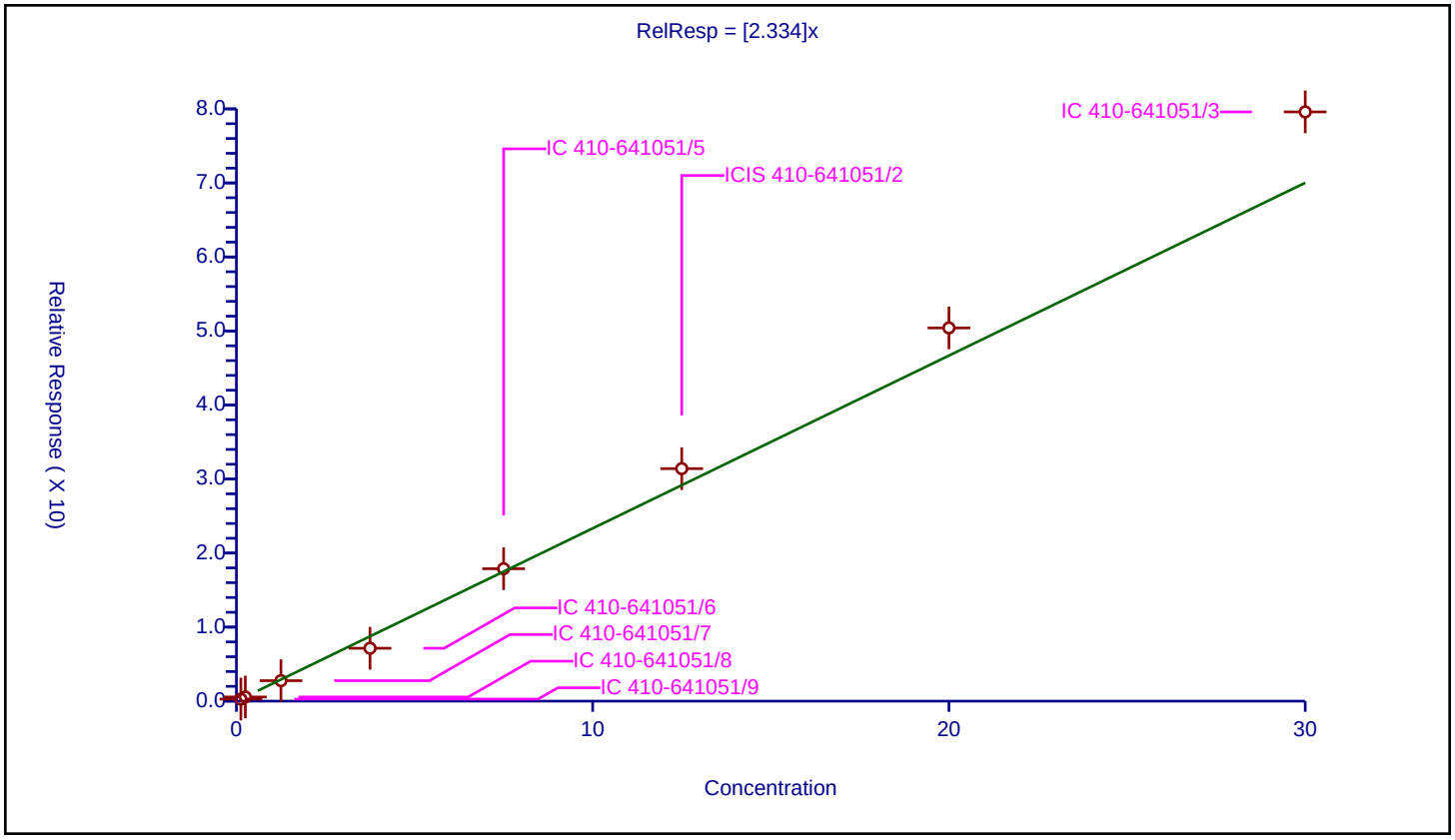
Curve Coefficients

Intercept:	0
Slope:	2.334

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.278512	5.0	168754.0	2.228095	Y
2	IC 410-641051/8	0.25	0.563395	5.0	180841.0	2.253582	Y
3	IC 410-641051/7	1.25	2.7649	5.0	180842.0	2.21192	Y
4	IC 410-641051/6	3.75	7.14575	5.0	195081.0	1.905533	Y
5	IC 410-641051/5	7.5	17.886587	5.0	183956.0	2.384878	Y
6	ICIS 410-641051/2	12.5	31.407674	5.0	206113.0	2.512614	Y
7	IC 410-641051/4	20.0	50.411843	5.0	196082.0	2.520592	Y
8	IC 410-641051/3	30.0	79.593478	5.0	180187.0	2.653116	Y



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Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

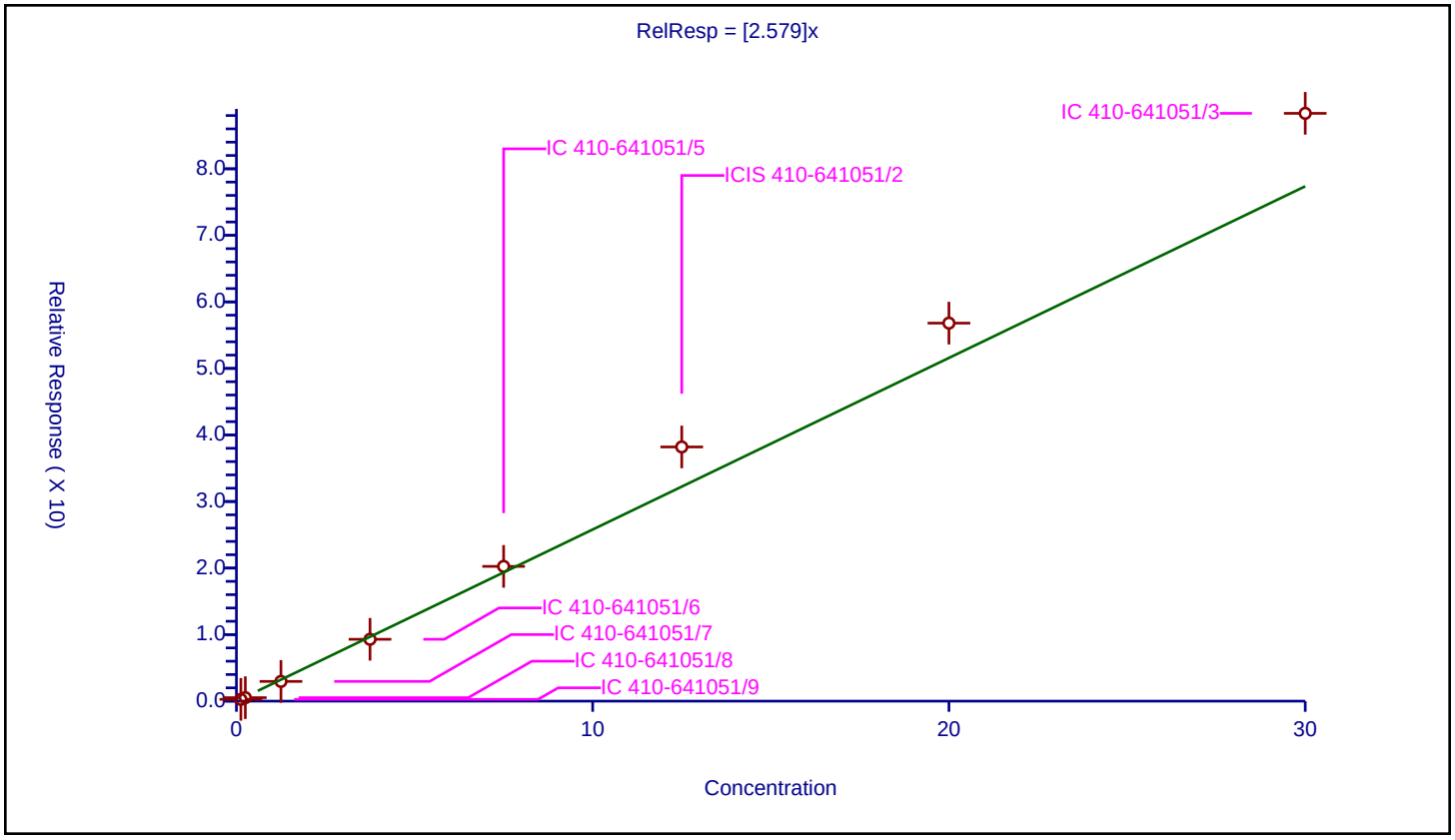
Curve Coefficients

Intercept:	0
Slope:	2.579

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.268764	5.0	168754.0	2.150112	Y
2	IC 410-641051/8	0.25	0.522863	5.0	180841.0	2.091451	Y
3	IC 410-641051/7	1.25	2.962973	5.0	180842.0	2.370379	Y
4	IC 410-641051/6	3.75	9.294549	5.0	195081.0	2.478547	Y
5	IC 410-641051/5	7.5	20.248565	5.0	183956.0	2.699809	Y
6	ICIS 410-641051/2	12.5	38.198658	5.0	206113.0	3.055893	Y
7	IC 410-641051/4	20.0	56.805444	5.0	196082.0	2.840272	Y
8	IC 410-641051/3	30.0	88.331705	5.0	180187.0	2.94439	Y



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Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

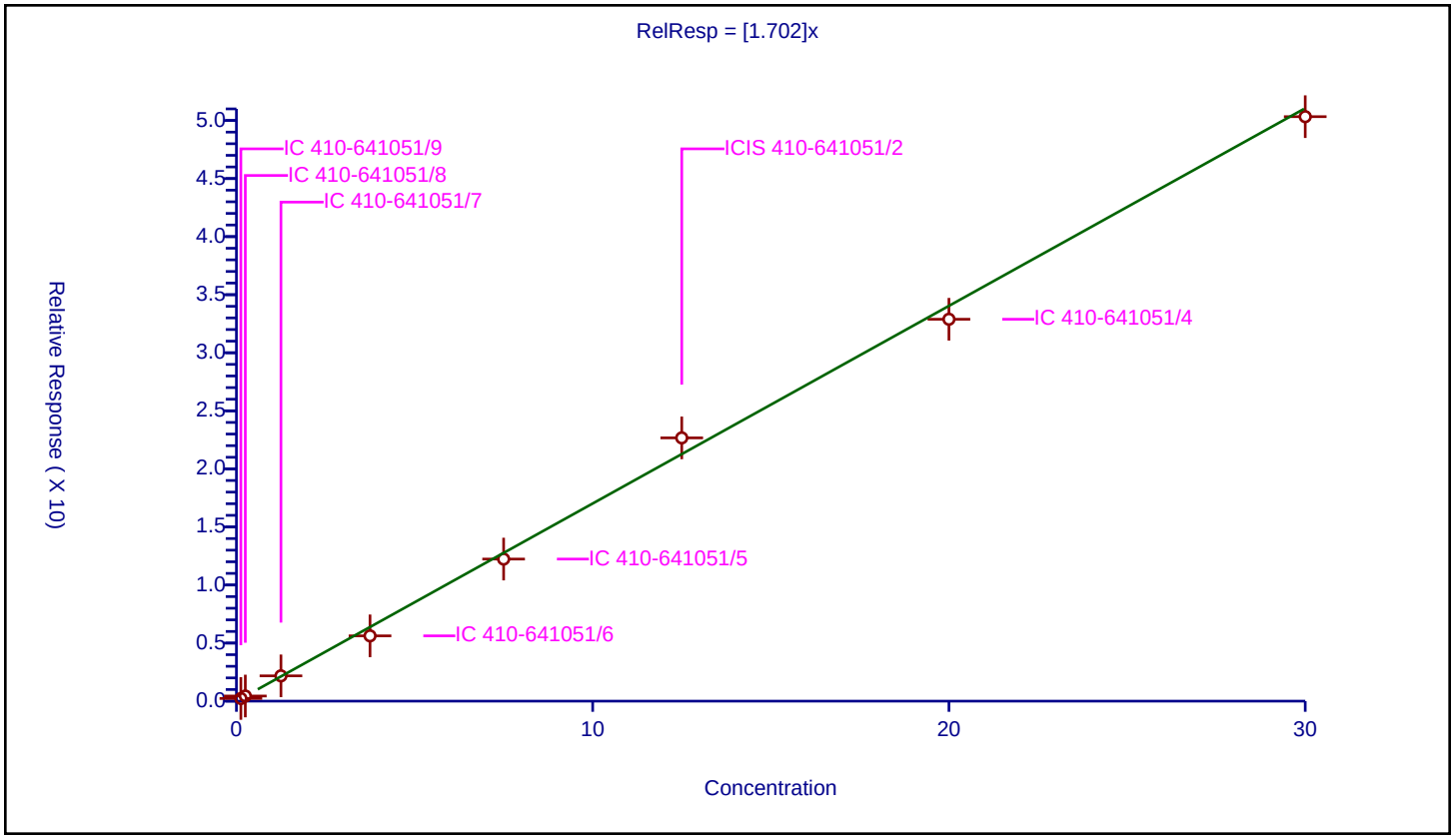
Curve Coefficients

Intercept:	0
Slope:	1.702

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.22995	5.0	168754.0	1.839601	Y
2	IC 410-641051/8	0.25	0.441686	5.0	180841.0	1.766745	Y
3	IC 410-641051/7	1.25	2.178034	5.0	180842.0	1.742427	Y
4	IC 410-641051/6	3.75	5.622818	5.0	195081.0	1.499418	Y
5	IC 410-641051/5	7.5	12.235317	5.0	183956.0	1.631376	Y
6	ICIS 410-641051/2	12.5	22.669482	5.0	206113.0	1.813559	Y
7	IC 410-641051/4	20.0	32.884635	5.0	196082.0	1.644232	Y
8	IC 410-641051/3	30.0	50.329436	5.0	180187.0	1.677648	Y



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Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

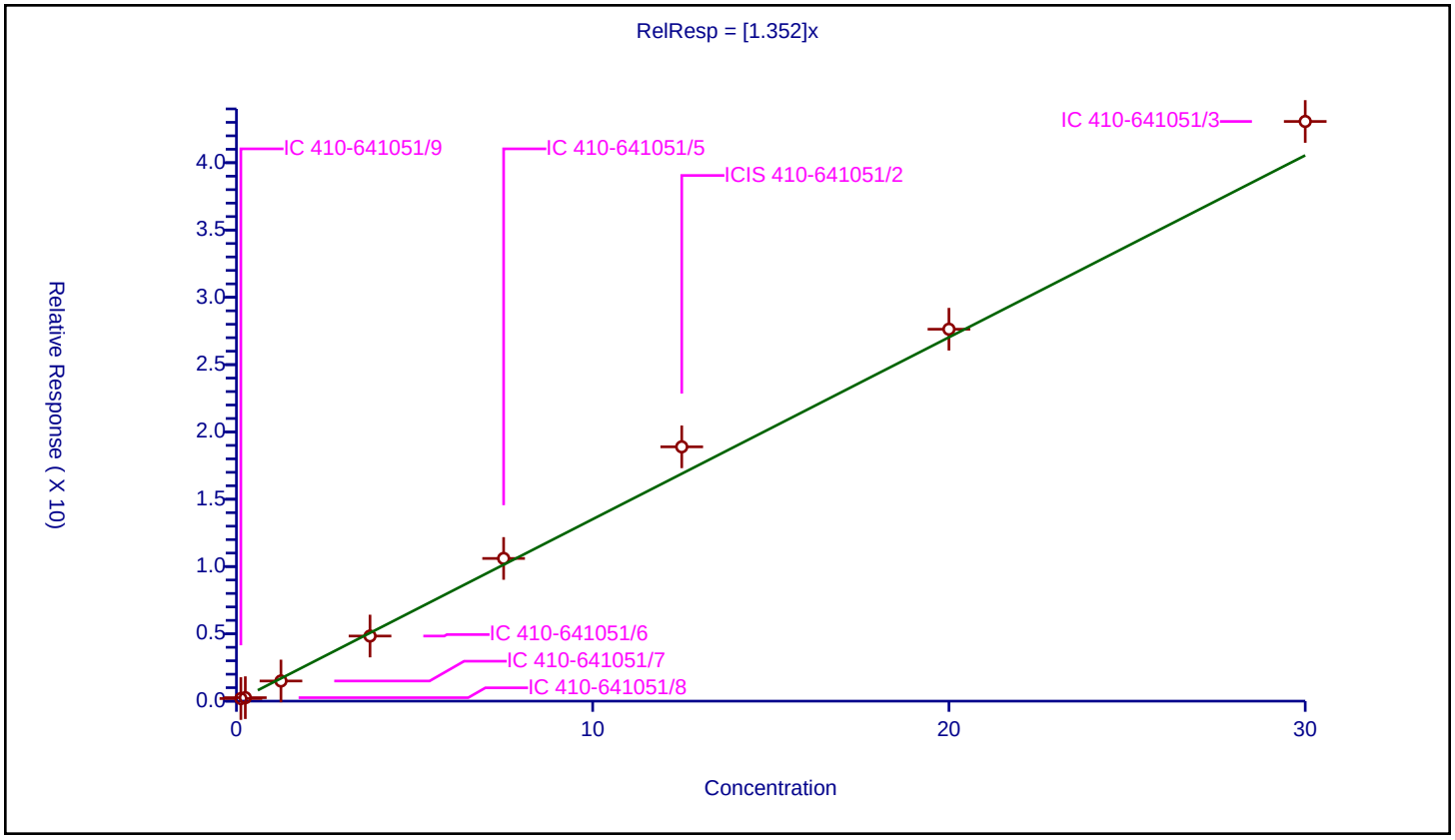
Curve Coefficients

Intercept:	0
Slope:	1.352

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.193862	5.0	168754.0	1.550897	Y
2	IC 410-641051/8	0.25	0.258044	5.0	180841.0	1.032177	Y
3	IC 410-641051/7	1.25	1.497274	5.0	180842.0	1.197819	Y
4	IC 410-641051/6	3.75	4.837042	5.0	195081.0	1.289878	Y
5	IC 410-641051/5	7.5	10.600741	5.0	183956.0	1.413432	Y
6	ICIS 410-641051/2	12.5	18.893617	5.0	206113.0	1.511489	Y
7	IC 410-641051/4	20.0	27.63117	5.0	196082.0	1.381558	Y
8	IC 410-641051/3	30.0	43.065093	5.0	180187.0	1.435503	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

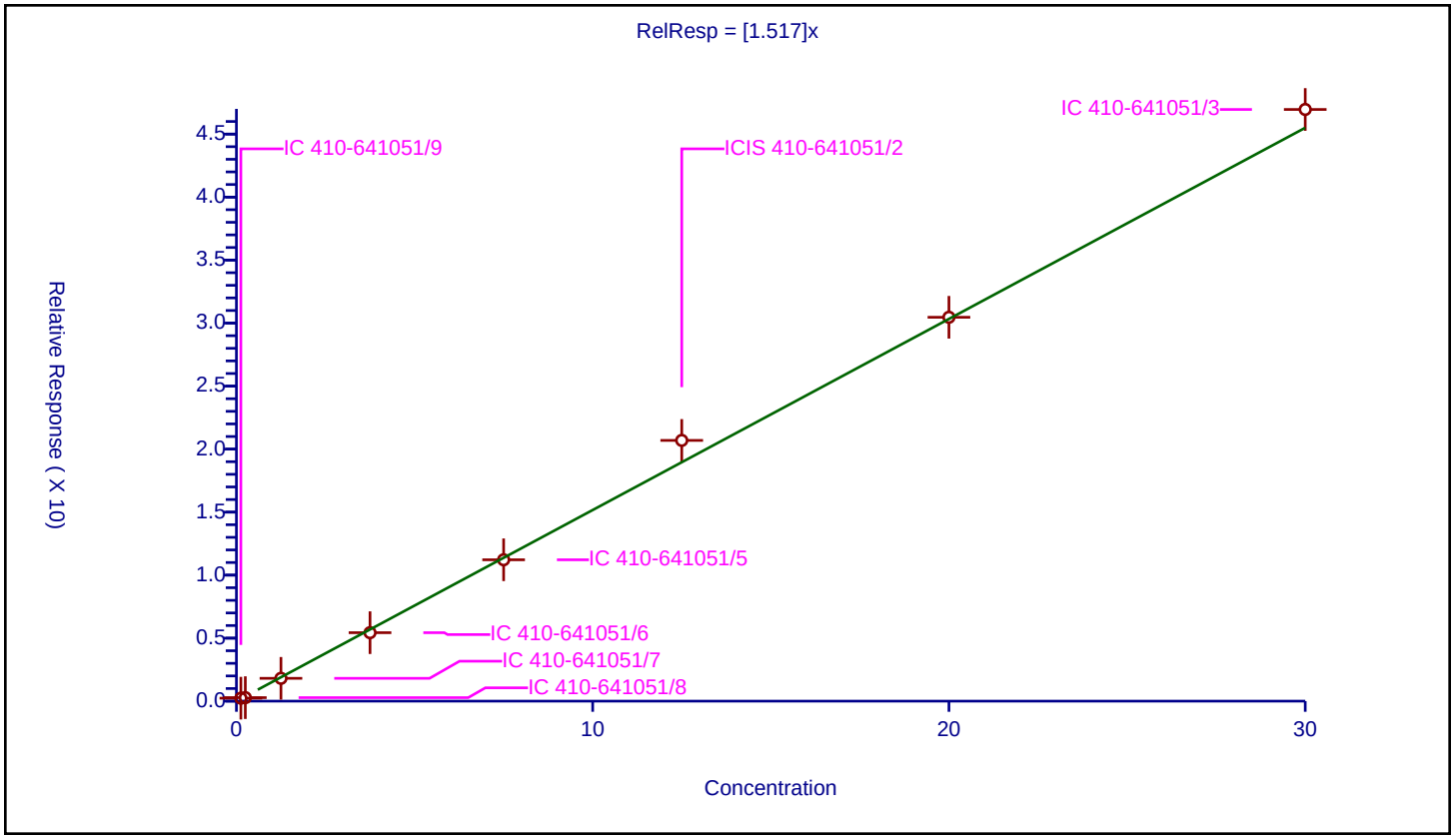
Curve Coefficients

Intercept:	0
Slope:	1.517

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.235965	5.0	168754.0	1.887718	Y
2	IC 410-641051/8	0.25	0.277288	5.0	180841.0	1.109151	Y
3	IC 410-641051/7	1.25	1.809674	5.0	180842.0	1.447739	Y
4	IC 410-641051/6	3.75	5.433974	5.0	195081.0	1.44906	Y
5	IC 410-641051/5	7.5	11.217846	5.0	183956.0	1.495713	Y
6	ICIS 410-641051/2	12.5	20.692145	5.0	206113.0	1.655372	Y
7	IC 410-641051/4	20.0	30.46195	5.0	196082.0	1.523097	Y
8	IC 410-641051/3	30.0	46.95447	5.0	180187.0	1.565149	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

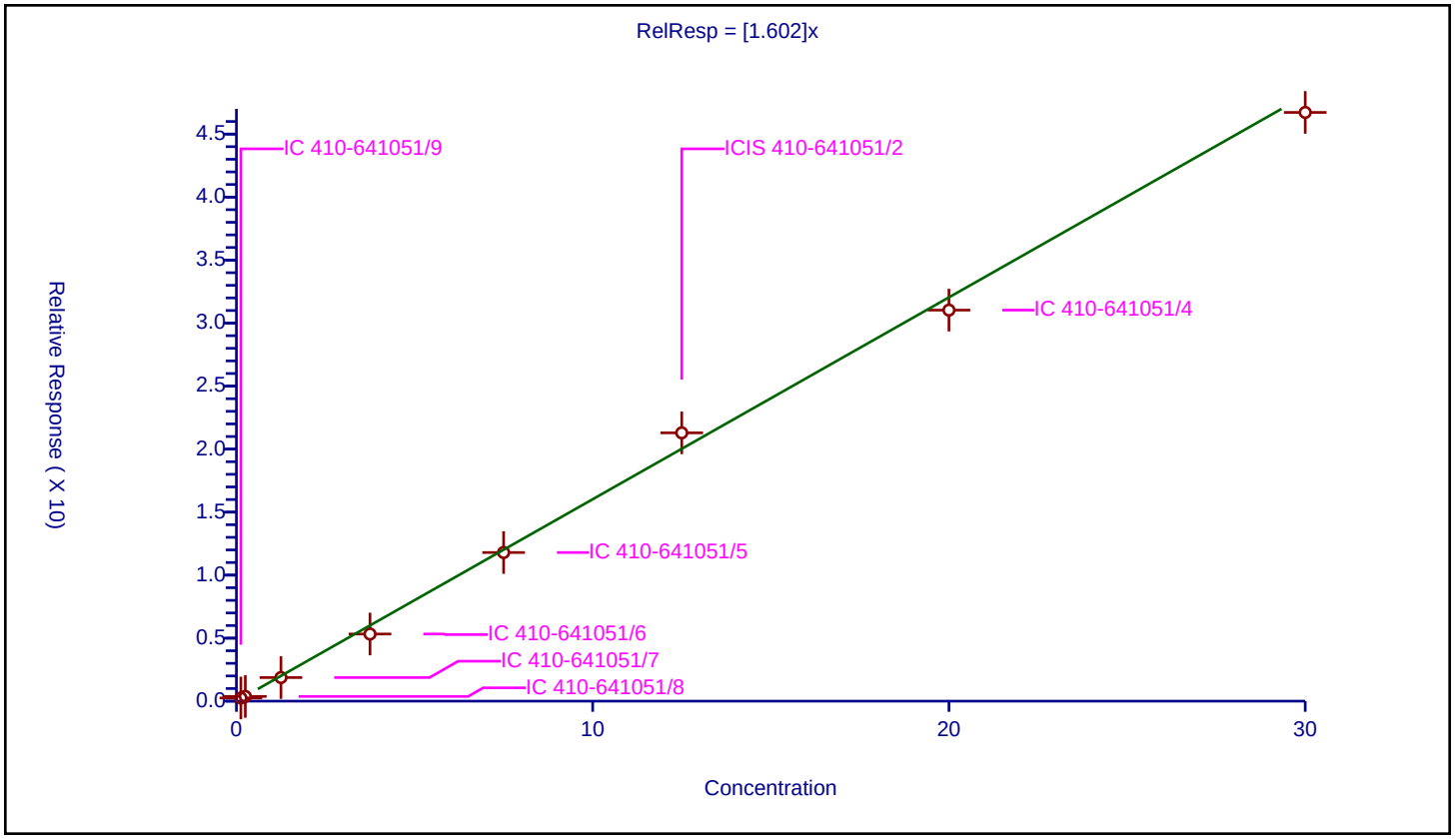
Curve Coefficients

Intercept:	0
Slope:	1.602

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.25149	5.0	168754.0	2.011923	Y
2	IC 410-641051/8	0.25	0.375772	5.0	180841.0	1.503088	Y
3	IC 410-641051/7	1.25	1.870943	5.0	180842.0	1.496754	Y
4	IC 410-641051/6	3.75	5.326582	5.0	195081.0	1.420422	Y
5	IC 410-641051/5	7.5	11.795076	5.0	183956.0	1.572677	Y
6	ICIS 410-641051/2	12.5	21.291743	5.0	206113.0	1.703339	Y
7	IC 410-641051/4	20.0	31.030717	5.0	196082.0	1.551536	Y
8	IC 410-641051/3	30.0	46.719908	5.0	180187.0	1.55733	Y



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Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

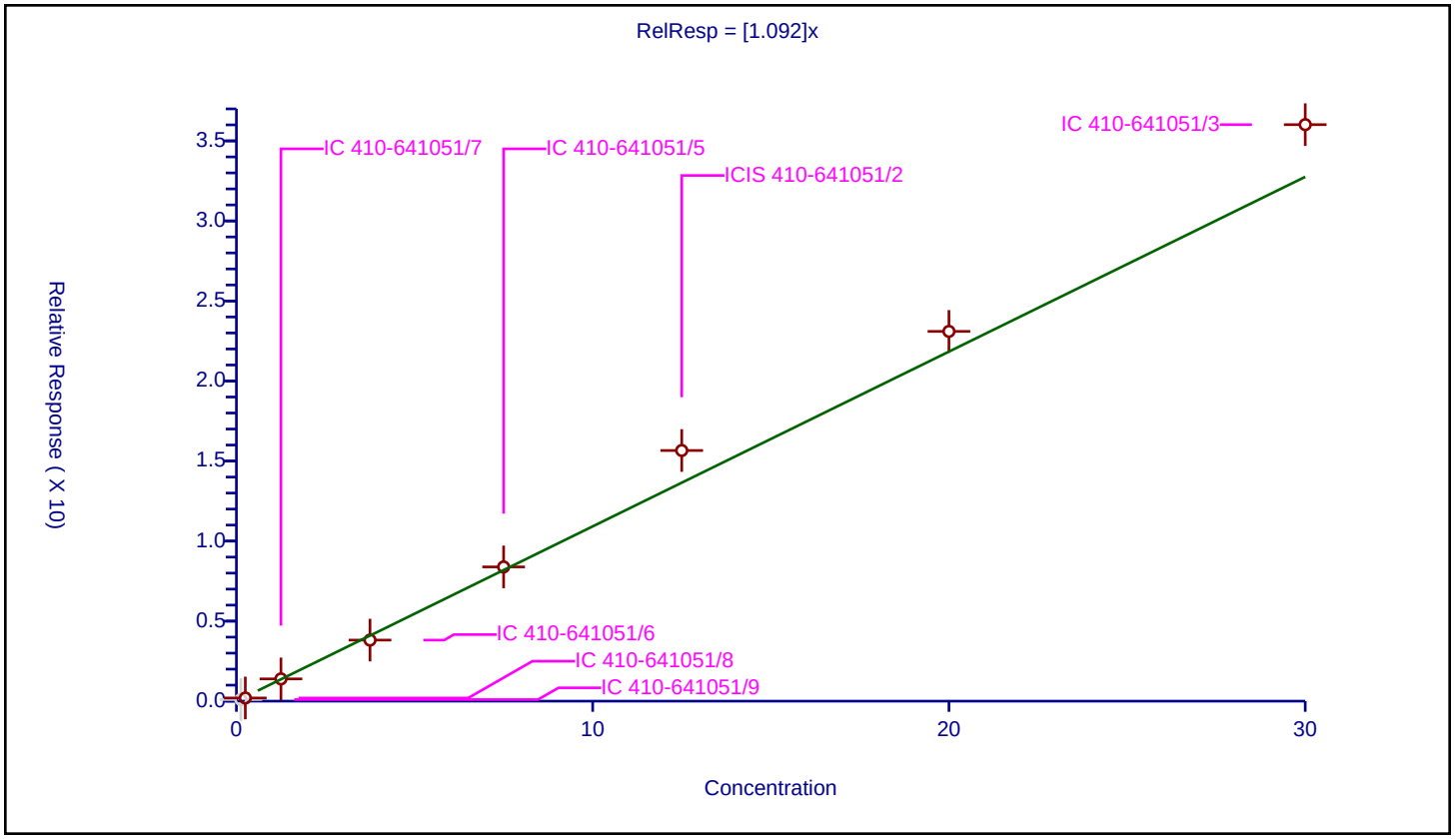
Curve Coefficients

Intercept:	0
Slope:	1.092

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.101124	5.0	168754.0	0.808988	N
2	IC 410-641051/8	0.25	0.196499	5.0	180841.0	0.785994	Y
3	IC 410-641051/7	1.25	1.391021	5.0	180842.0	1.112817	Y
4	IC 410-641051/6	3.75	3.815313	5.0	195081.0	1.017417	Y
5	IC 410-641051/5	7.5	8.385212	5.0	183956.0	1.118028	Y
6	ICIS 410-641051/2	12.5	15.658449	5.0	206113.0	1.252676	Y
7	IC 410-641051/4	20.0	23.099749	5.0	196082.0	1.154987	Y
8	IC 410-641051/3	30.0	36.01575	5.0	180187.0	1.200525	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

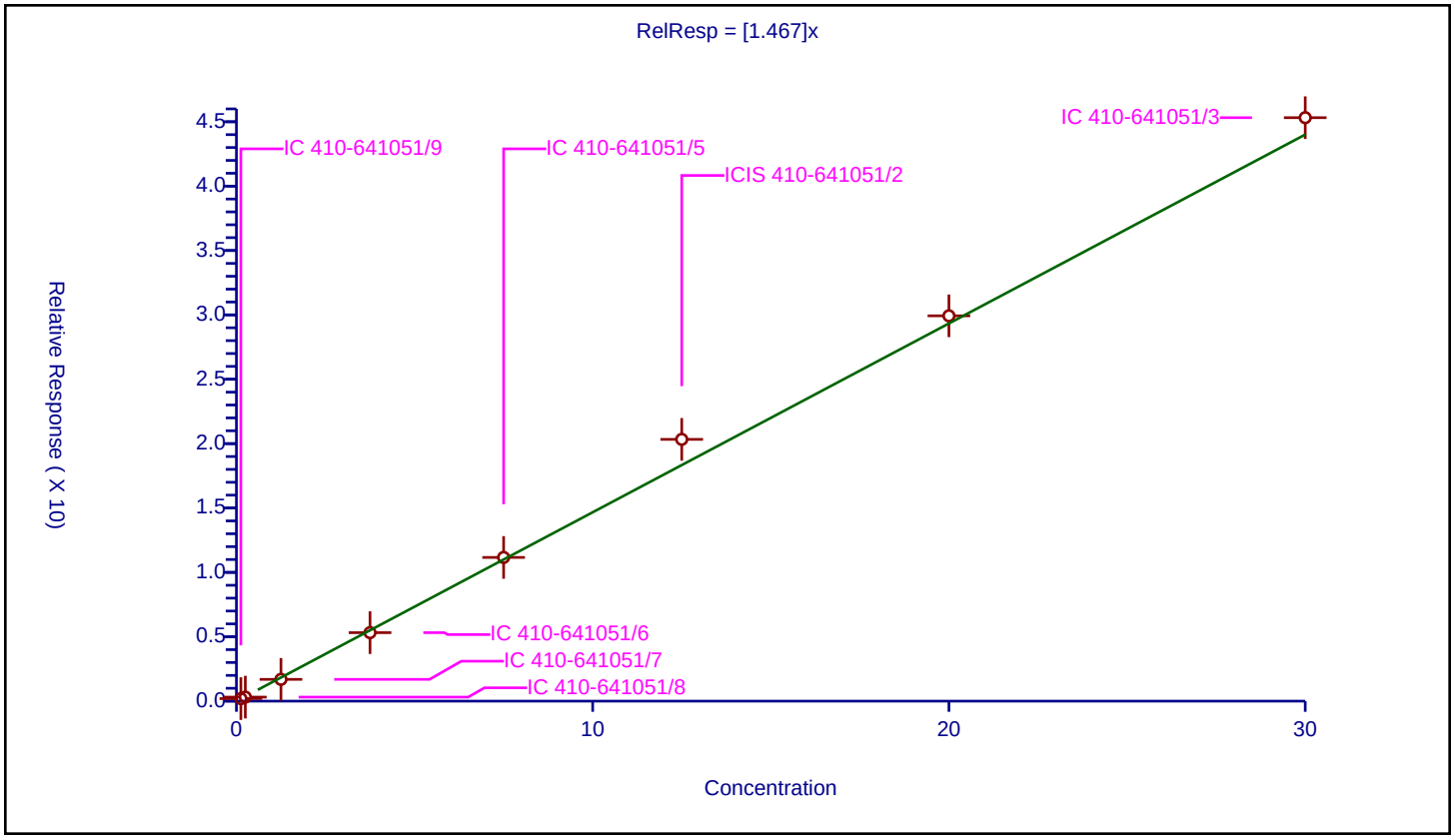
Curve Coefficients

Intercept:	0
Slope:	1.467

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.198306	5.0	168754.0	1.586451	Y
2	IC 410-641051/8	0.25	0.313756	5.0	180841.0	1.255025	Y
3	IC 410-641051/7	1.25	1.690426	5.0	180842.0	1.352341	Y
4	IC 410-641051/6	3.75	5.320354	5.0	195081.0	1.418761	Y
5	IC 410-641051/5	7.5	11.162017	5.0	183956.0	1.488269	Y
6	ICIS 410-641051/2	12.5	20.331323	5.0	206113.0	1.626506	Y
7	IC 410-641051/4	20.0	29.92855	5.0	196082.0	1.496428	Y
8	IC 410-641051/3	30.0	45.317254	5.0	180187.0	1.510575	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

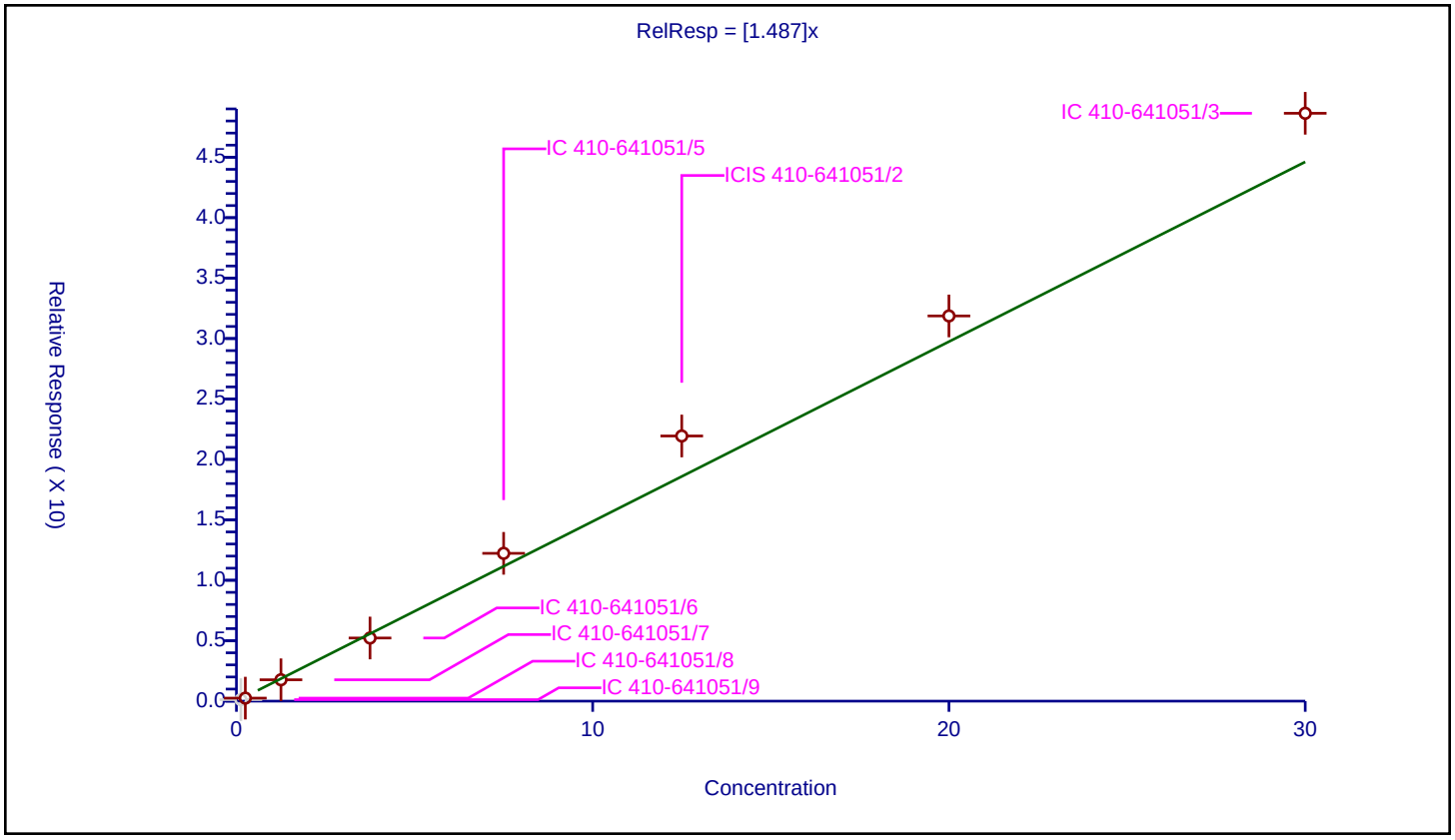
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Relative Standard Deviation:	16.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.124382	5.0	168754.0	0.995058	N
2	IC 410-641051/8	0.25	0.25033	5.0	180841.0	1.001322	Y
3	IC 410-641051/7	1.25	1.76939	5.0	180842.0	1.415512	Y
4	IC 410-641051/6	3.75	5.224471	5.0	195081.0	1.393192	Y
5	IC 410-641051/5	7.5	12.22844	5.0	183956.0	1.630459	Y
6	ICIS 410-641051/2	12.5	21.937287	5.0	206113.0	1.754983	Y
7	IC 410-641051/4	20.0	31.86983	5.0	196082.0	1.593491	Y
8	IC 410-641051/3	30.0	48.635501	5.0	180187.0	1.621183	Y



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Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

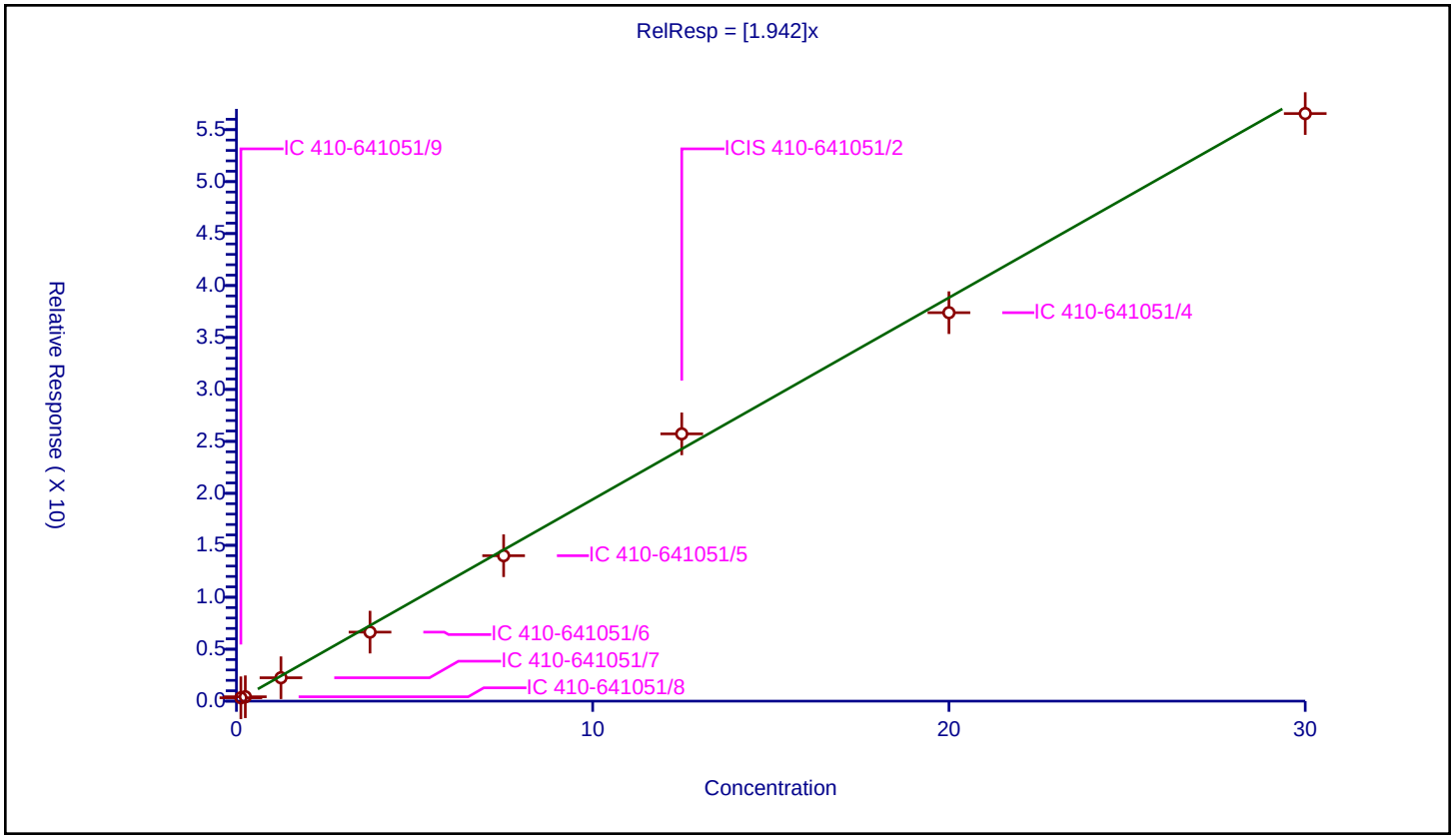
Curve Coefficients

Intercept:	0
Slope:	1.942

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.324111	5.0	168754.0	2.592887	Y
2	IC 410-641051/8	0.25	0.421973	5.0	180841.0	1.687892	Y
3	IC 410-641051/7	1.25	2.251579	5.0	180842.0	1.801263	Y
4	IC 410-641051/6	3.75	6.643702	5.0	195081.0	1.771654	Y
5	IC 410-641051/5	7.5	13.996255	5.0	183956.0	1.866167	Y
6	ICIS 410-641051/2	12.5	25.724287	5.0	206113.0	2.057943	Y
7	IC 410-641051/4	20.0	37.387573	5.0	196082.0	1.869379	Y
8	IC 410-641051/3	30.0	56.551888	5.0	180187.0	1.885063	Y



Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

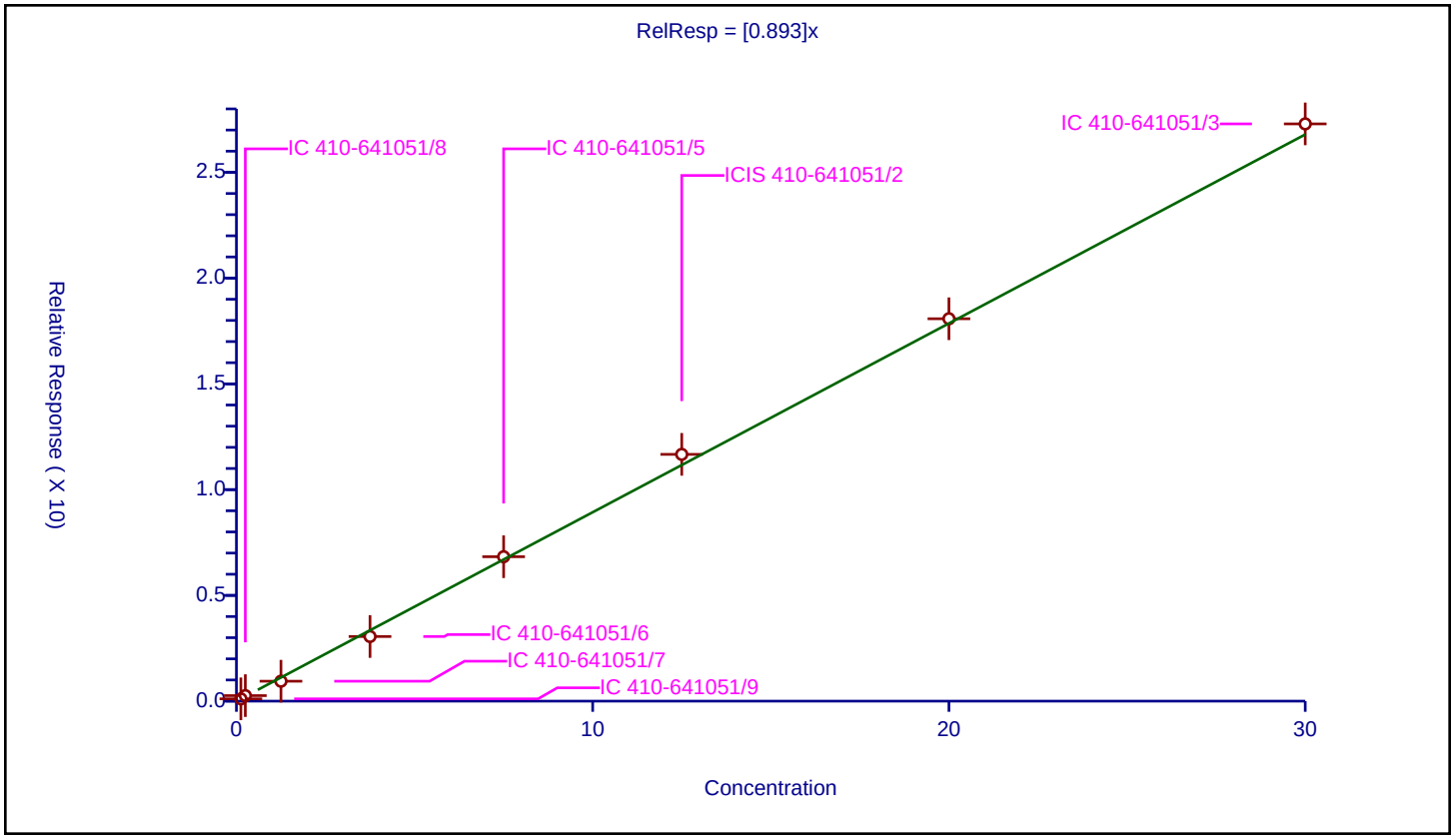
Curve Coefficients

Intercept:	0
Slope:	0.893

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.10939	5.0	168754.0	0.87512	Y
2	IC 410-641051/8	0.25	0.260699	5.0	180841.0	1.042794	Y
3	IC 410-641051/7	1.25	0.942342	5.0	180842.0	0.753874	Y
4	IC 410-641051/6	3.75	3.055782	5.0	195081.0	0.814875	Y
5	IC 410-641051/5	7.5	6.827747	5.0	183956.0	0.910366	Y
6	ICIS 410-641051/2	12.5	11.666877	5.0	206113.0	0.93335	Y
7	IC 410-641051/4	20.0	18.078635	5.0	196082.0	0.903932	Y
8	IC 410-641051/3	30.0	27.290593	5.0	180187.0	0.909686	Y



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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

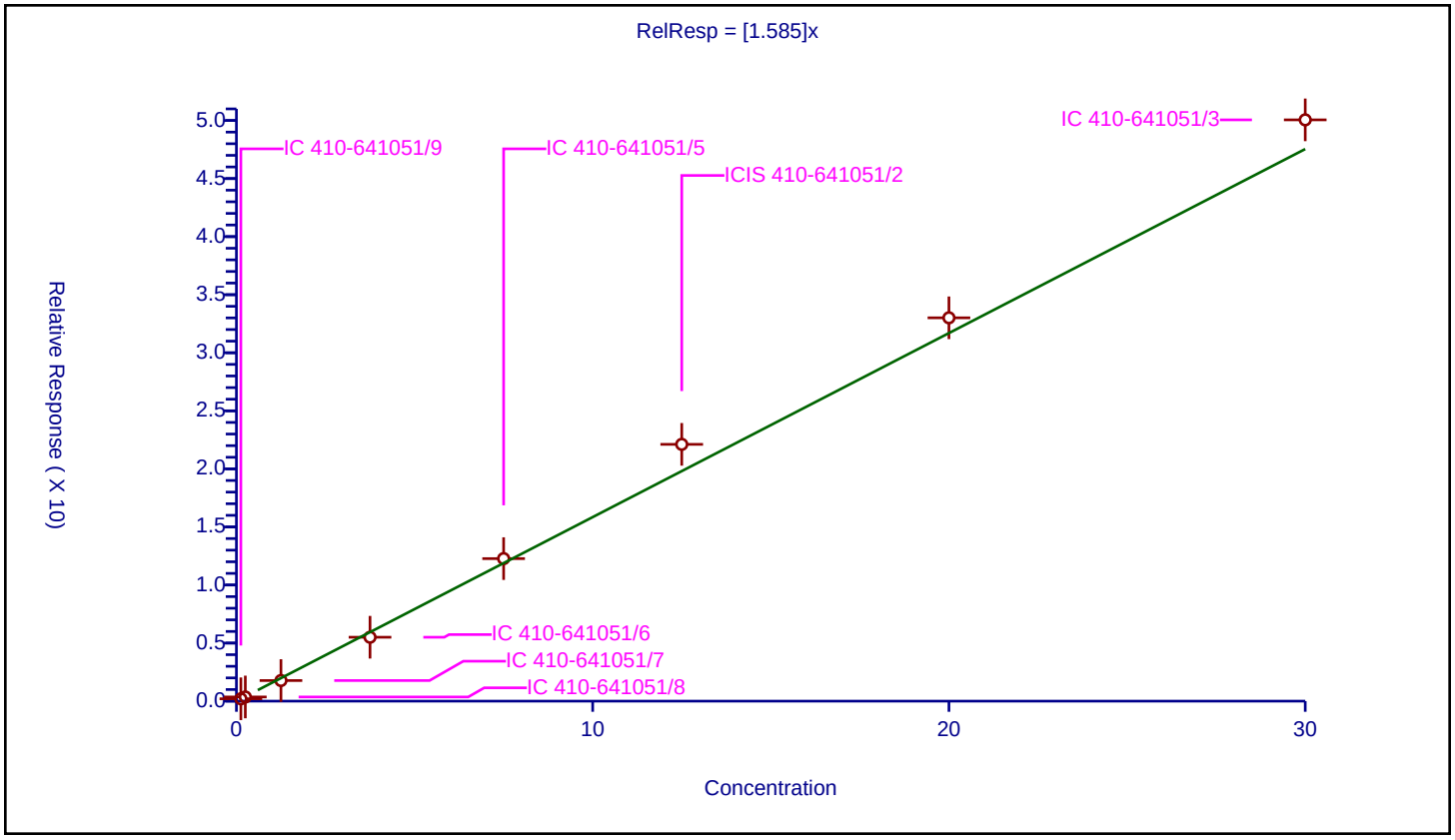
Curve Coefficients

Intercept:	0
Slope:	1.585

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.203817	5.0	168754.0	1.630539	Y
2	IC 410-641051/8	0.25	0.358851	5.0	180841.0	1.435405	Y
3	IC 410-641051/7	1.25	1.774339	5.0	180842.0	1.419471	Y
4	IC 410-641051/6	3.75	5.503329	5.0	195081.0	1.467555	Y
5	IC 410-641051/5	7.5	12.273207	5.0	183956.0	1.636428	Y
6	ICIS 410-641051/2	12.5	22.112215	5.0	206113.0	1.768977	Y
7	IC 410-641051/4	20.0	33.010169	5.0	196082.0	1.650508	Y
8	IC 410-641051/3	30.0	50.055942	5.0	180187.0	1.668531	Y



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Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

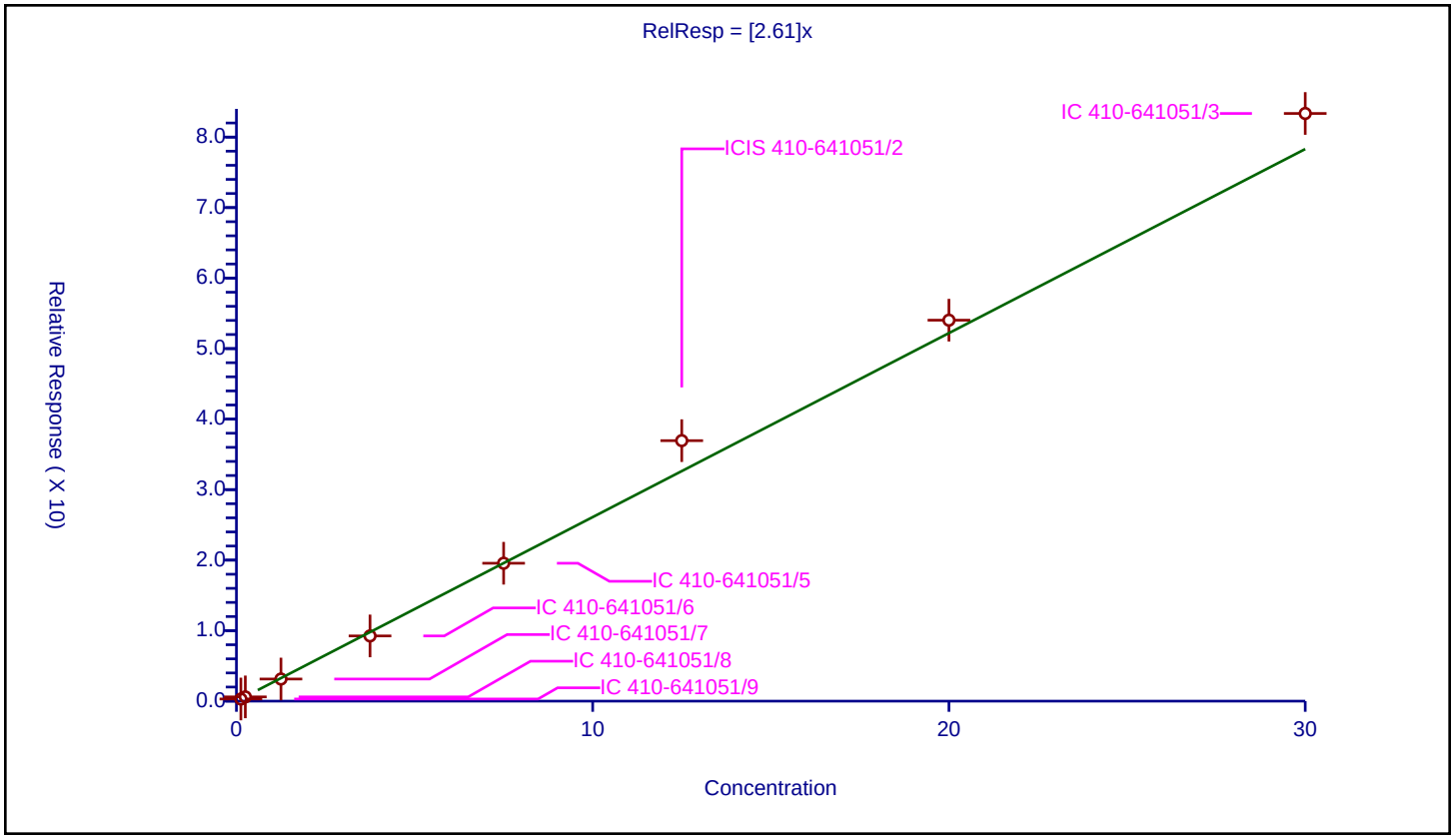
Curve Coefficients

Intercept:	0
Slope:	2.61

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.30583	5.0	168754.0	2.446638	Y
2	IC 410-641051/8	0.25	0.603569	5.0	180841.0	2.414276	Y
3	IC 410-641051/7	1.25	3.13702	5.0	180842.0	2.509616	Y
4	IC 410-641051/6	3.75	9.250619	5.0	195081.0	2.466832	Y
5	IC 410-641051/5	7.5	19.558808	5.0	183956.0	2.607841	Y
6	ICIS 410-641051/2	12.5	36.947112	5.0	206113.0	2.955769	Y
7	IC 410-641051/4	20.0	54.031936	5.0	196082.0	2.701597	Y
8	IC 410-641051/3	30.0	83.348854	5.0	180187.0	2.778295	Y



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Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

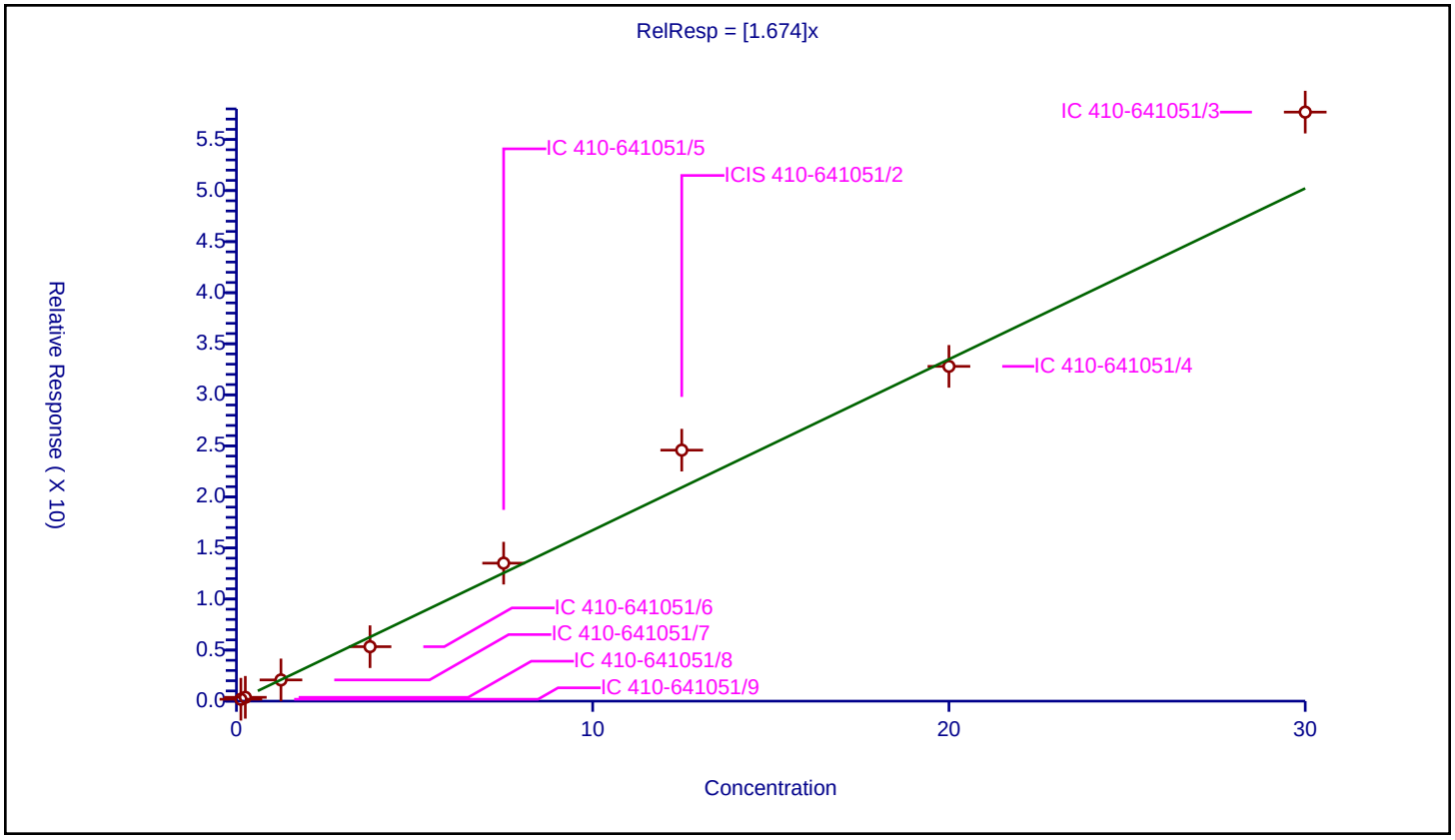
Curve Coefficients

Intercept:	0
Slope:	1.674

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.185329	5.0	168754.0	1.482632	Y
2	IC 410-641051/8	0.25	0.373367	5.0	180841.0	1.493467	Y
3	IC 410-641051/7	1.25	2.078693	5.0	180842.0	1.662954	Y
4	IC 410-641051/6	3.75	5.333374	5.0	195081.0	1.422233	Y
5	IC 410-641051/5	7.5	13.511139	5.0	183956.0	1.801485	Y
6	ICIS 410-641051/2	12.5	24.580715	5.0	206113.0	1.966457	Y
7	IC 410-641051/4	20.0	32.78562	5.0	196082.0	1.639281	Y
8	IC 410-641051/3	30.0	57.685044	5.0	180187.0	1.922835	Y



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Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

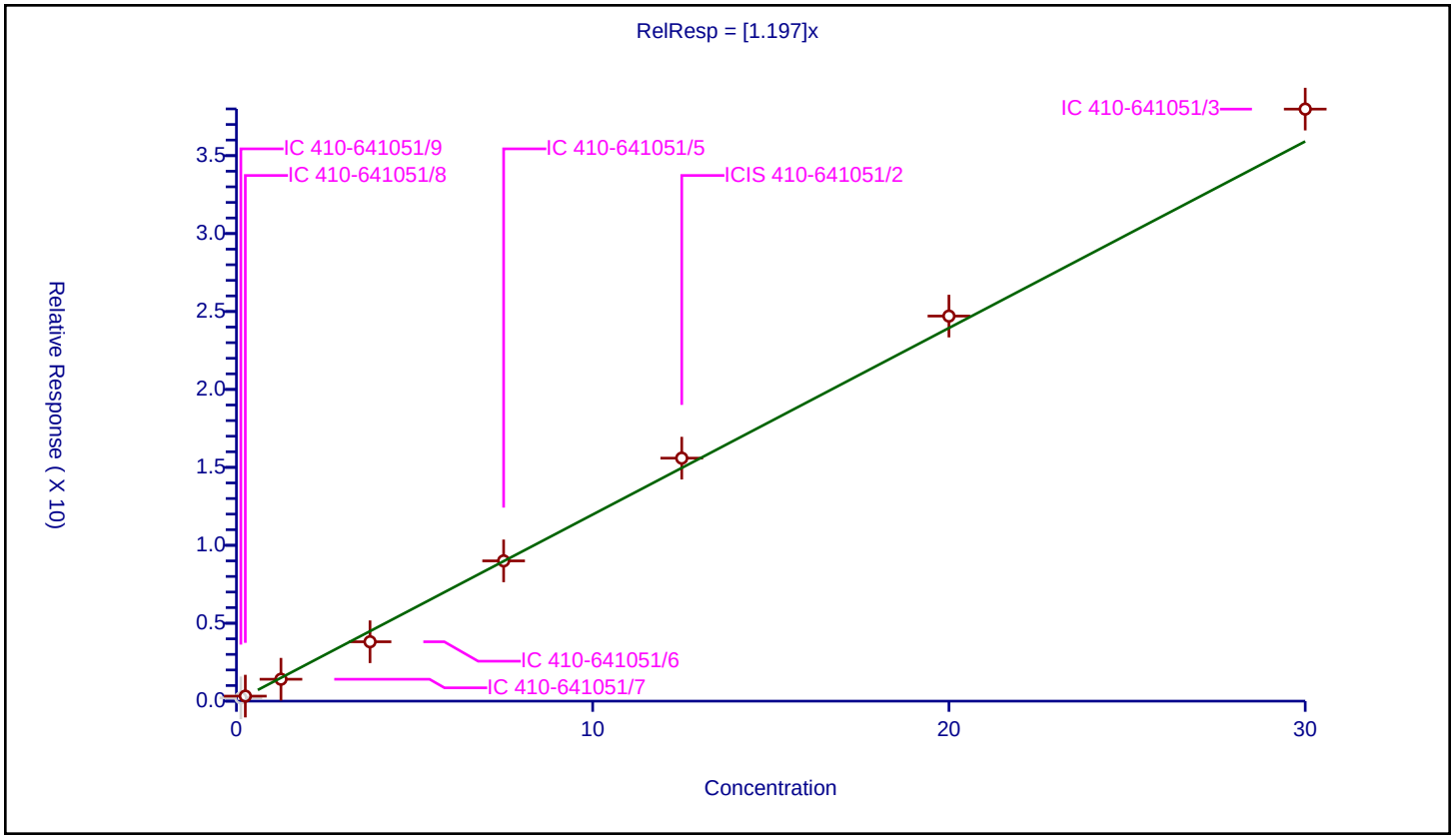
Curve Coefficients

Intercept:	0
Slope:	1.197

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.211758	5.0	168754.0	1.694064	N
2	IC 410-641051/8	0.25	0.322853	5.0	180841.0	1.291411	Y
3	IC 410-641051/7	1.25	1.404735	5.0	180842.0	1.123788	Y
4	IC 410-641051/6	3.75	3.809469	5.0	195081.0	1.015858	Y
5	IC 410-641051/5	7.5	8.999951	5.0	183956.0	1.199993	Y
6	ICIS 410-641051/2	12.5	15.59038	5.0	206113.0	1.24723	Y
7	IC 410-641051/4	20.0	24.706755	5.0	196082.0	1.235338	Y
8	IC 410-641051/3	30.0	37.986758	5.0	180187.0	1.266225	Y



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Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

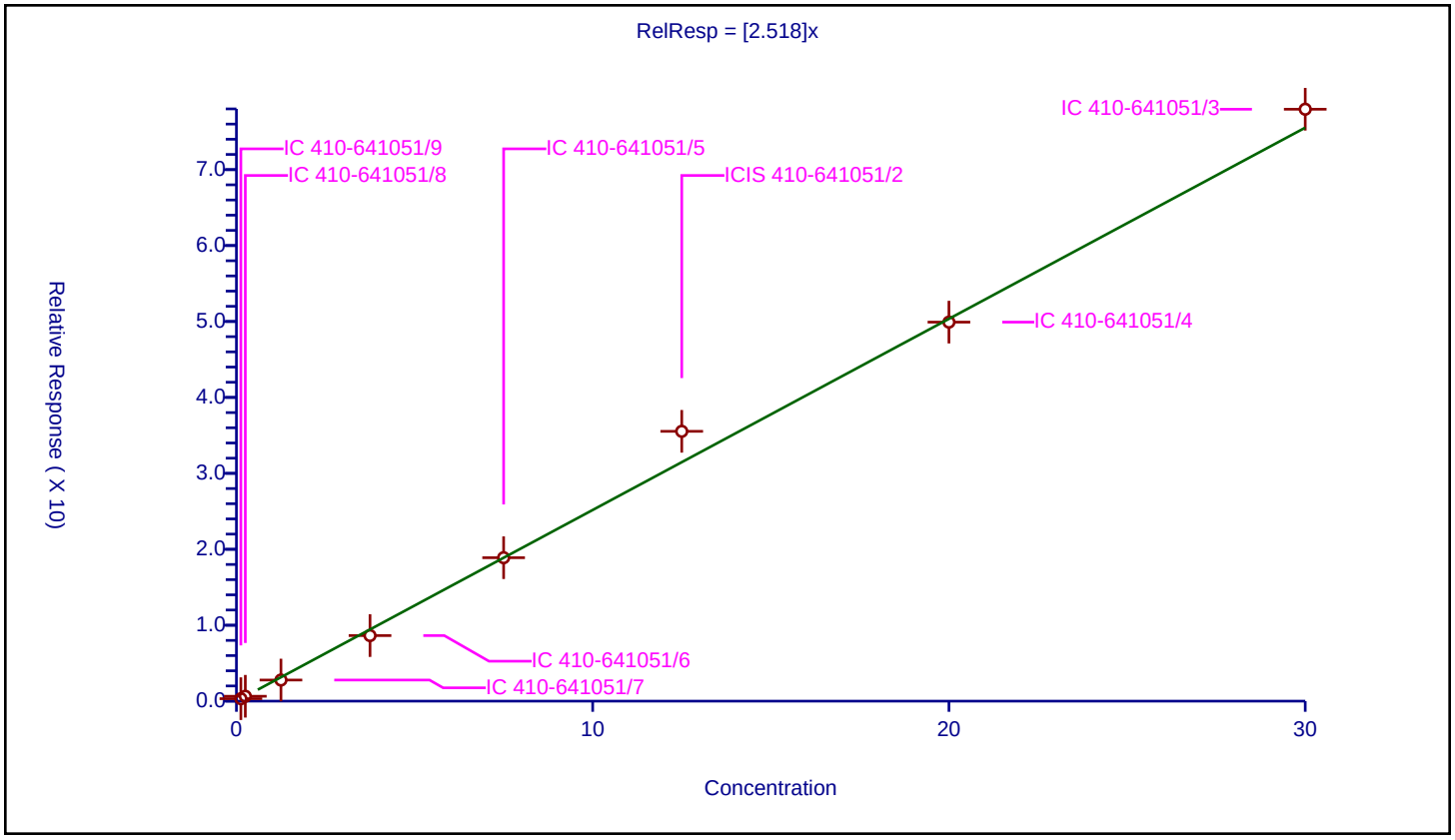
Curve Coefficients

Intercept:	0
Slope:	2.518

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.322866	5.0	168754.0	2.582931	Y
2	IC 410-641051/8	0.25	0.644019	5.0	180841.0	2.576075	Y
3	IC 410-641051/7	1.25	2.778475	5.0	180842.0	2.22278	Y
4	IC 410-641051/6	3.75	8.634106	5.0	195081.0	2.302428	Y
5	IC 410-641051/5	7.5	18.890088	5.0	183956.0	2.518678	Y
6	ICIS 410-641051/2	12.5	35.534949	5.0	206113.0	2.842796	Y
7	IC 410-641051/4	20.0	49.915954	5.0	196082.0	2.495798	Y
8	IC 410-641051/3	30.0	77.955929	5.0	180187.0	2.598531	Y



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Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

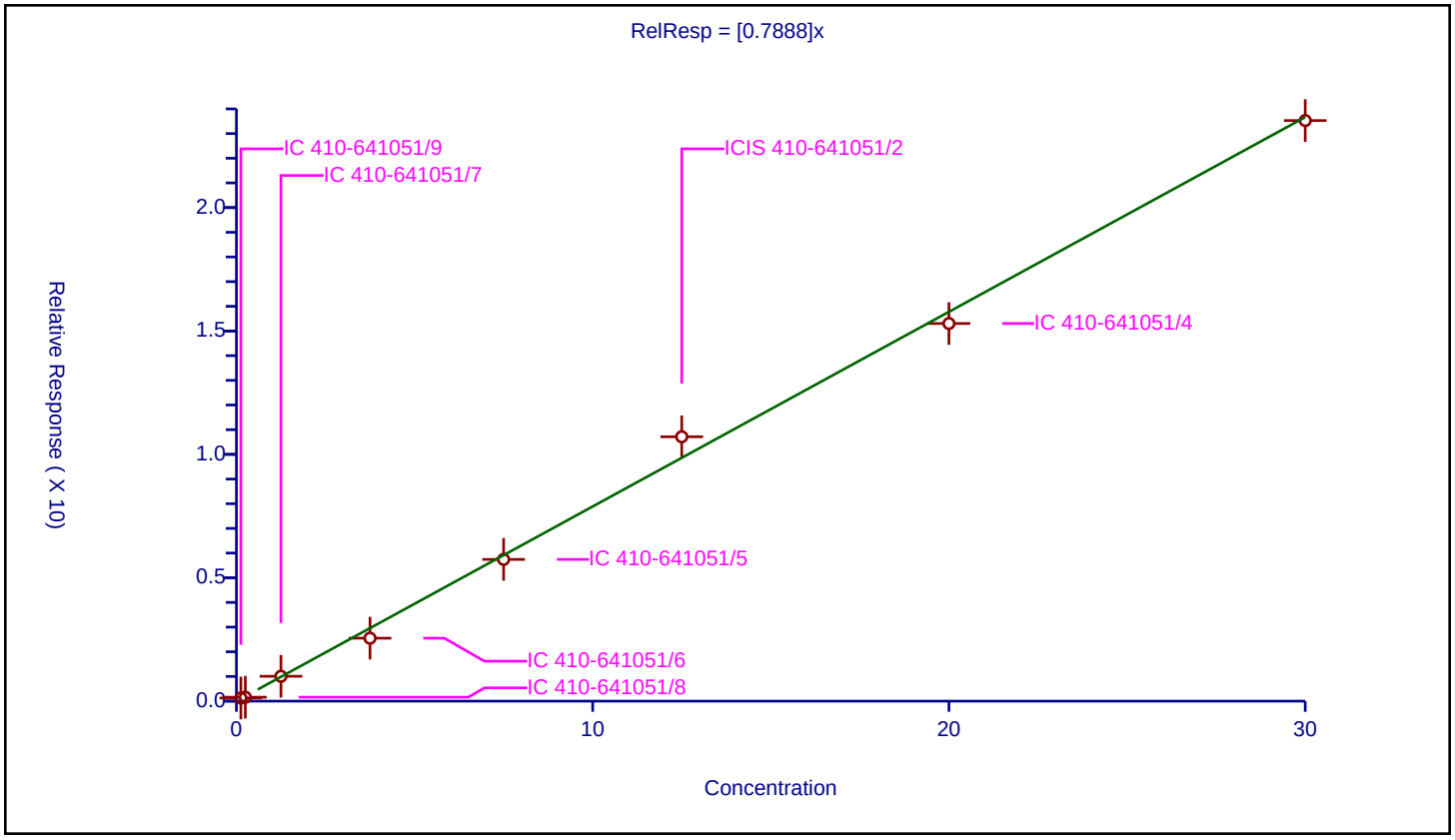
Curve Coefficients

Intercept:	0
Slope:	0.7888

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.127108	5.0	168754.0	1.016865	Y
2	IC 410-641051/8	0.25	0.158896	5.0	180841.0	0.635586	Y
3	IC 410-641051/7	1.25	1.007095	5.0	180842.0	0.805676	Y
4	IC 410-641051/6	3.75	2.55071	5.0	195081.0	0.680189	Y
5	IC 410-641051/5	7.5	5.74333	5.0	183956.0	0.765777	Y
6	ICIS 410-641051/2	12.5	10.714074	5.0	206113.0	0.857126	Y
7	IC 410-641051/4	20.0	15.303291	5.0	196082.0	0.765165	Y
8	IC 410-641051/3	30.0	23.526864	5.0	180187.0	0.784229	Y



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Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

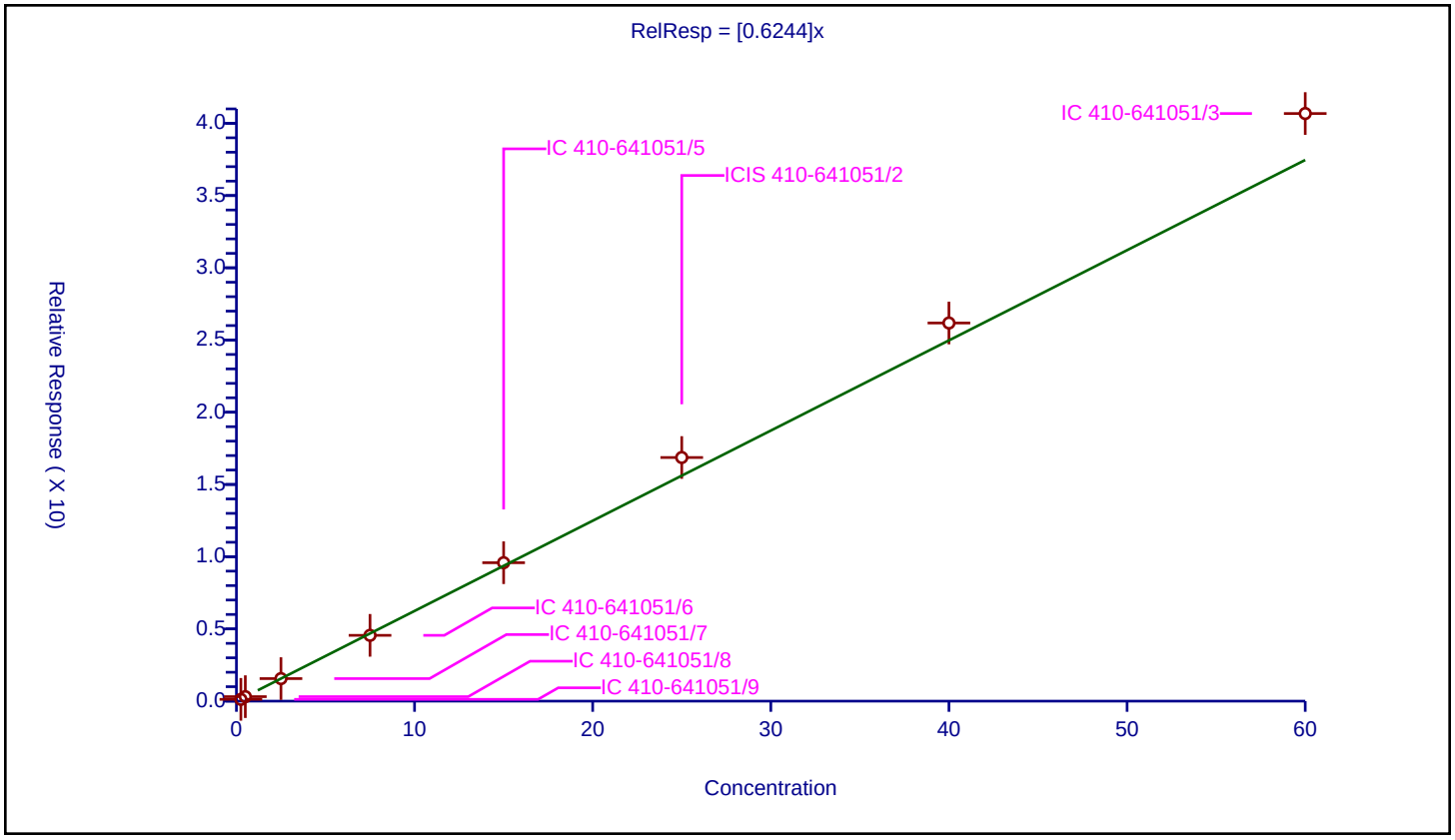
Curve Coefficients

Intercept:	0
Slope:	0.6244

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.123898	5.0	691214.0	0.495592	Y
2	IC 410-641051/8	0.5	0.31087	5.0	678080.0	0.621741	Y
3	IC 410-641051/7	2.5	1.560637	5.0	655447.0	0.624255	Y
4	IC 410-641051/6	7.5	4.554542	5.0	705780.0	0.607272	Y
5	IC 410-641051/5	15.0	9.583672	5.0	699161.0	0.638911	Y
6	ICIS 410-641051/2	25.0	16.865521	5.0	831564.0	0.674621	Y
7	IC 410-641051/4	40.0	26.177361	5.0	737191.0	0.654434	Y
8	IC 410-641051/3	60.0	40.679917	5.0	693092.0	0.677999	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

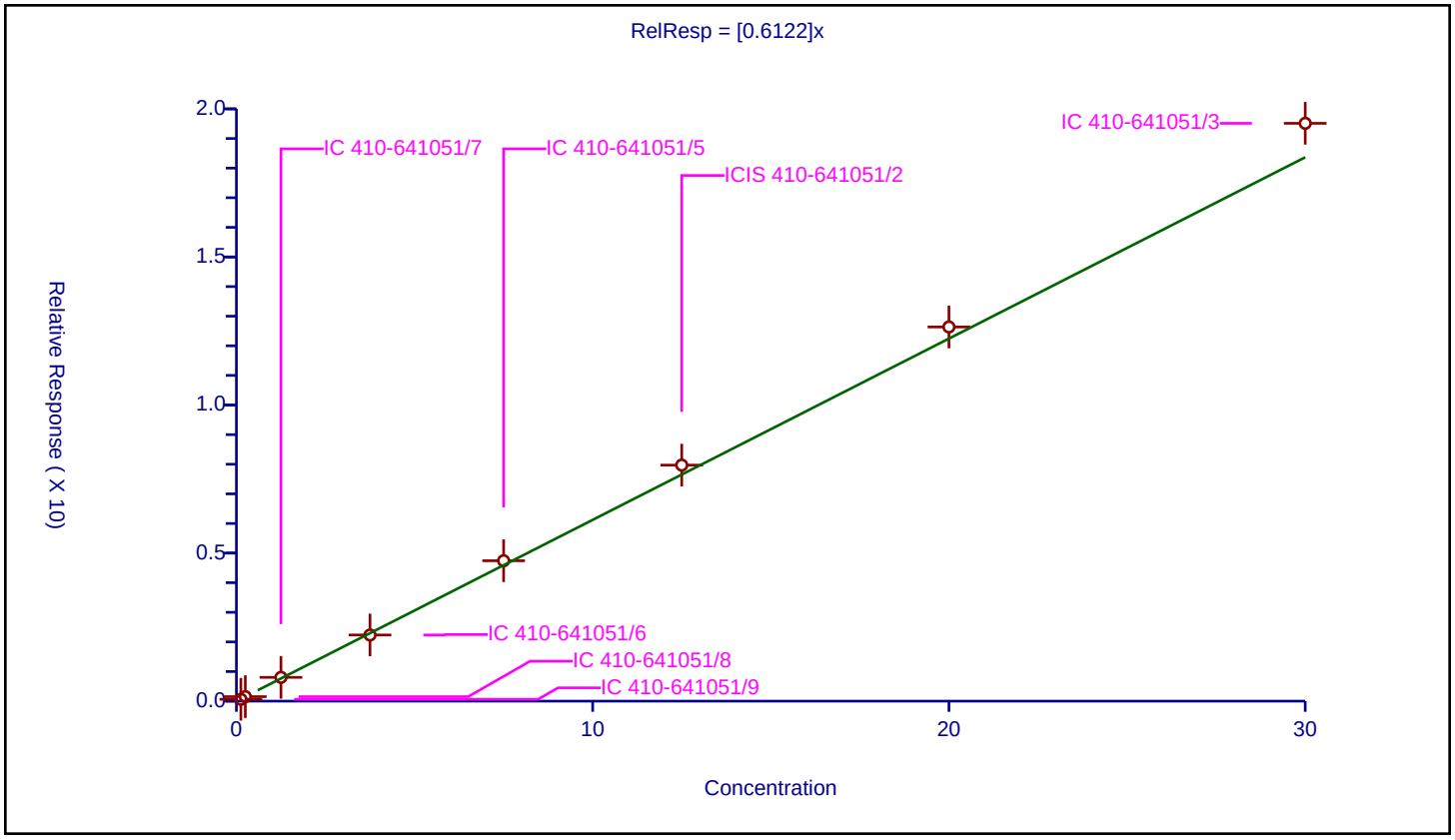
Curve Coefficients

Intercept:	0
Slope:	0.6122

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.062499	5.0	691214.0	0.49999	Y
2	IC 410-641051/8	0.25	0.151774	5.0	678080.0	0.607097	Y
3	IC 410-641051/7	1.25	0.802971	5.0	655447.0	0.642377	Y
4	IC 410-641051/6	3.75	2.234159	5.0	705780.0	0.595776	Y
5	IC 410-641051/5	7.5	4.741404	5.0	699161.0	0.632187	Y
6	ICIS 410-641051/2	12.5	7.970667	5.0	831564.0	0.637653	Y
7	IC 410-641051/4	20.0	12.635891	5.0	737191.0	0.631795	Y
8	IC 410-641051/3	30.0	19.512871	5.0	693092.0	0.650429	Y



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Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

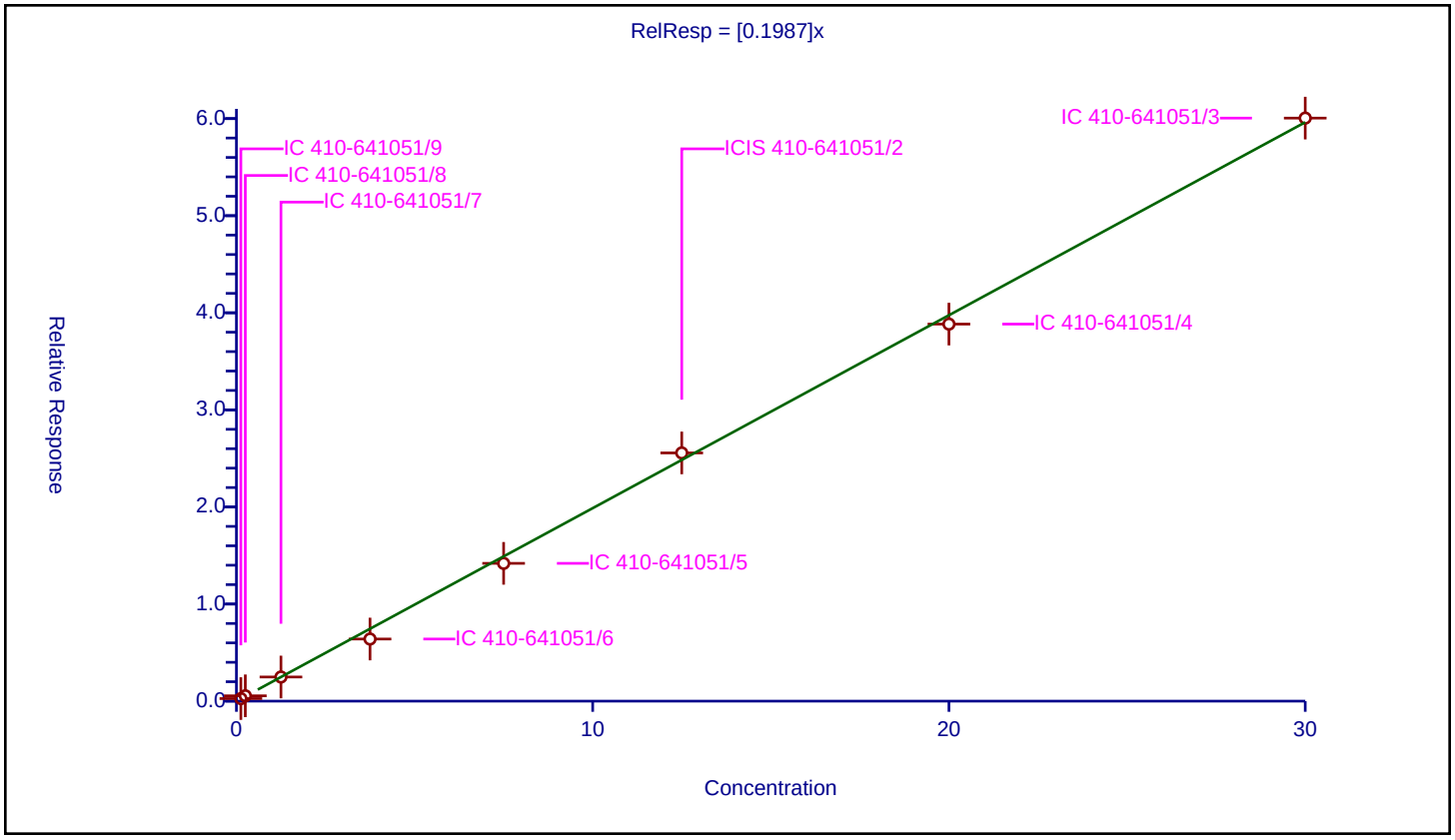
Curve Coefficients

Intercept:	0
Slope:	0.1987

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.026497	5.0	691214.0	0.211975	Y
2	IC 410-641051/8	0.25	0.055082	5.0	678080.0	0.220328	Y
3	IC 410-641051/7	1.25	0.248685	5.0	655447.0	0.198948	Y
4	IC 410-641051/6	3.75	0.639767	5.0	705780.0	0.170605	Y
5	IC 410-641051/5	7.5	1.419194	5.0	699161.0	0.189226	Y
6	ICIS 410-641051/2	12.5	2.556688	5.0	831564.0	0.204535	Y
7	IC 410-641051/4	20.0	3.883349	5.0	737191.0	0.194167	Y
8	IC 410-641051/3	30.0	6.004989	5.0	693092.0	0.200166	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

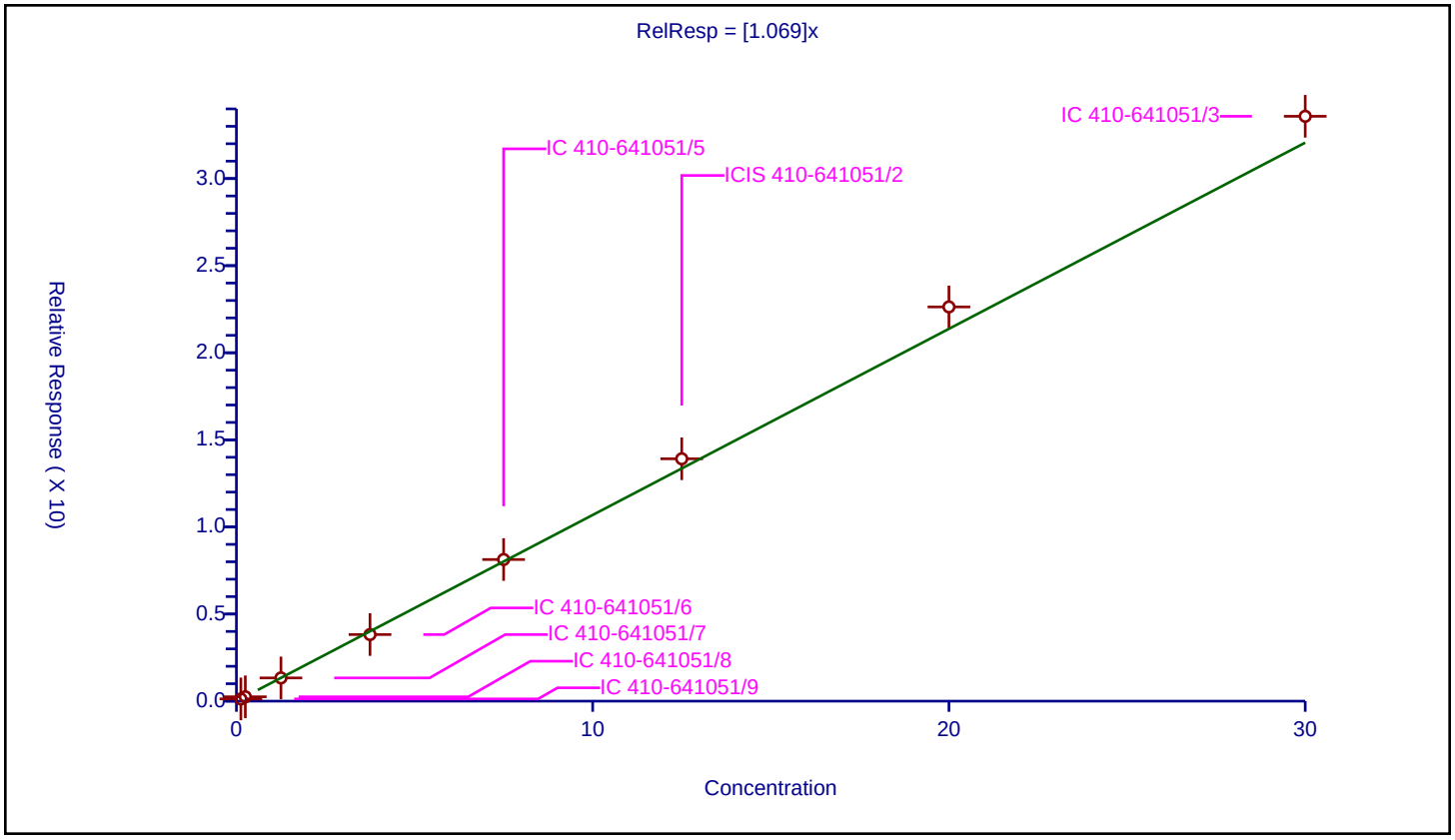
Curve Coefficients

Intercept:	0
Slope:	1.069

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.12724	5.0	691214.0	1.017919	Y
2	IC 410-641051/8	0.25	0.249499	5.0	678080.0	0.997994	Y
3	IC 410-641051/7	1.25	1.33261	5.0	655447.0	1.066088	Y
4	IC 410-641051/6	3.75	3.823344	5.0	705780.0	1.019559	Y
5	IC 410-641051/5	7.5	8.130924	5.0	699161.0	1.084123	Y
6	ICIS 410-641051/2	12.5	13.913974	5.0	831564.0	1.113118	Y
7	IC 410-641051/4	20.0	22.632052	5.0	737191.0	1.131603	Y
8	IC 410-641051/3	30.0	33.574309	5.0	693092.0	1.119144	Y



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Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

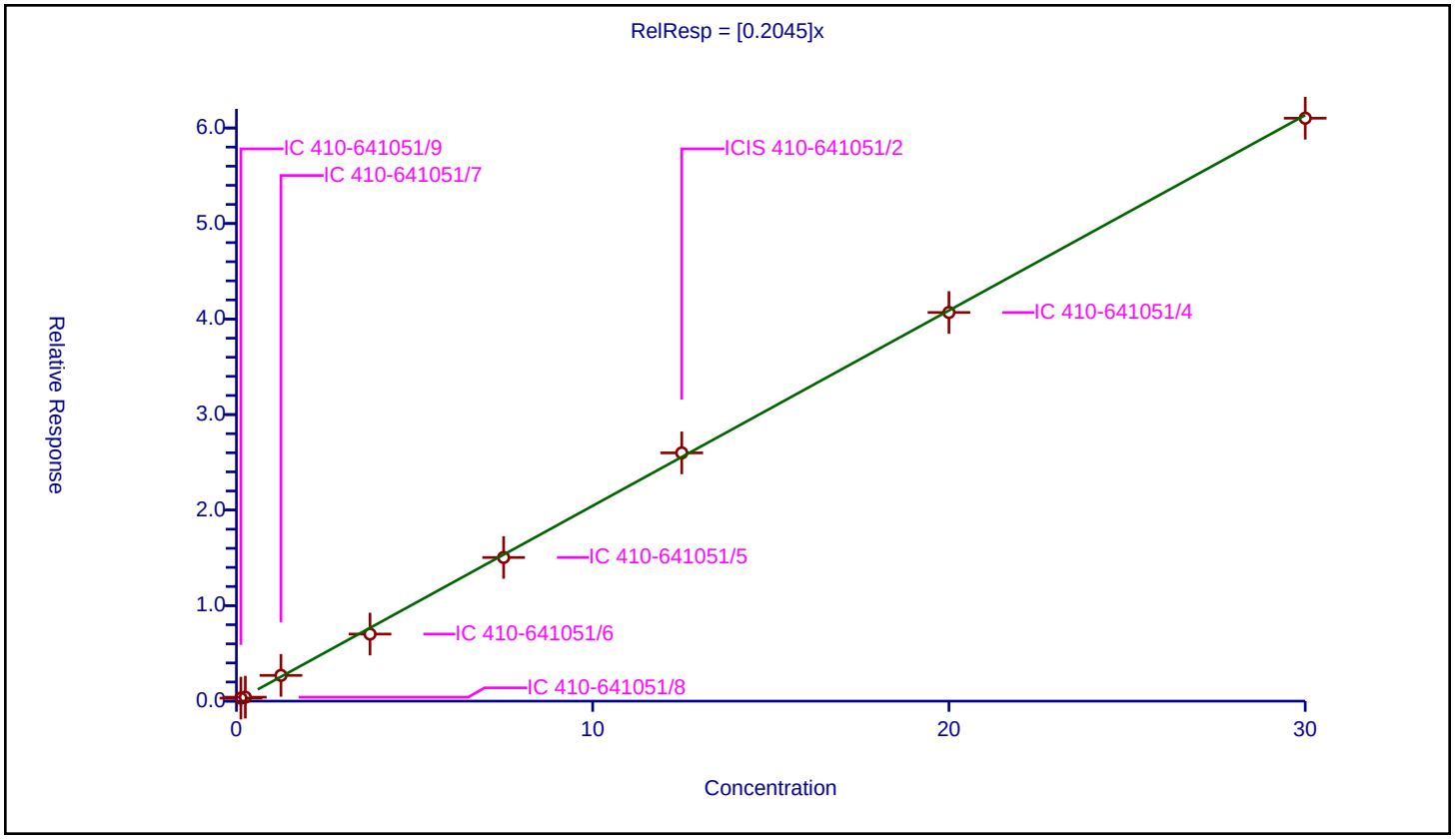
Curve Coefficients

Intercept:	0
Slope:	0.2045

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.03156	5.0	691214.0	0.252483	Y
2	IC 410-641051/8	0.25	0.041293	5.0	678080.0	0.165172	Y
3	IC 410-641051/7	1.25	0.269541	5.0	655447.0	0.215633	Y
4	IC 410-641051/6	3.75	0.70223	5.0	705780.0	0.187261	Y
5	IC 410-641051/5	7.5	1.50386	5.0	699161.0	0.200515	Y
6	ICIS 410-641051/2	12.5	2.598976	5.0	831564.0	0.207918	Y
7	IC 410-641051/4	20.0	4.068572	5.0	737191.0	0.203429	Y
8	IC 410-641051/3	30.0	6.102509	5.0	693092.0	0.203417	Y



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Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

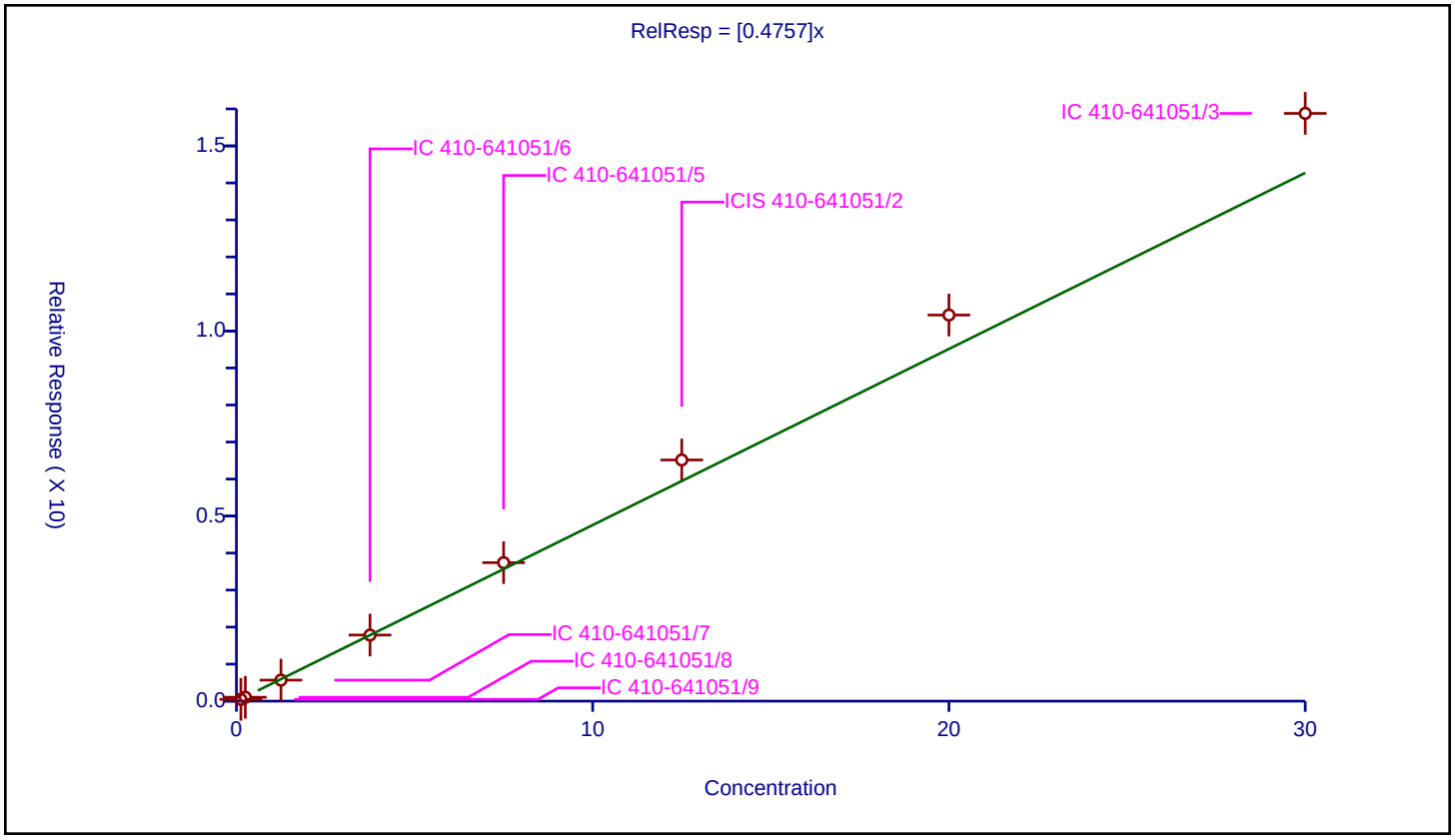
Curve Coefficients

Intercept:	0
Slope:	0.4757

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.048118	5.0	691214.0	0.384946	Y
2	IC 410-641051/8	0.25	0.104892	5.0	678080.0	0.419567	Y
3	IC 410-641051/7	1.25	0.56775	5.0	655447.0	0.4542	Y
4	IC 410-641051/6	3.75	1.785542	5.0	705780.0	0.476145	Y
5	IC 410-641051/5	7.5	3.741334	5.0	699161.0	0.498845	Y
6	ICIS 410-641051/2	12.5	6.515758	5.0	831564.0	0.521261	Y
7	IC 410-641051/4	20.0	10.430574	5.0	737191.0	0.521529	Y
8	IC 410-641051/3	30.0	15.87808	5.0	693092.0	0.529269	Y



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Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

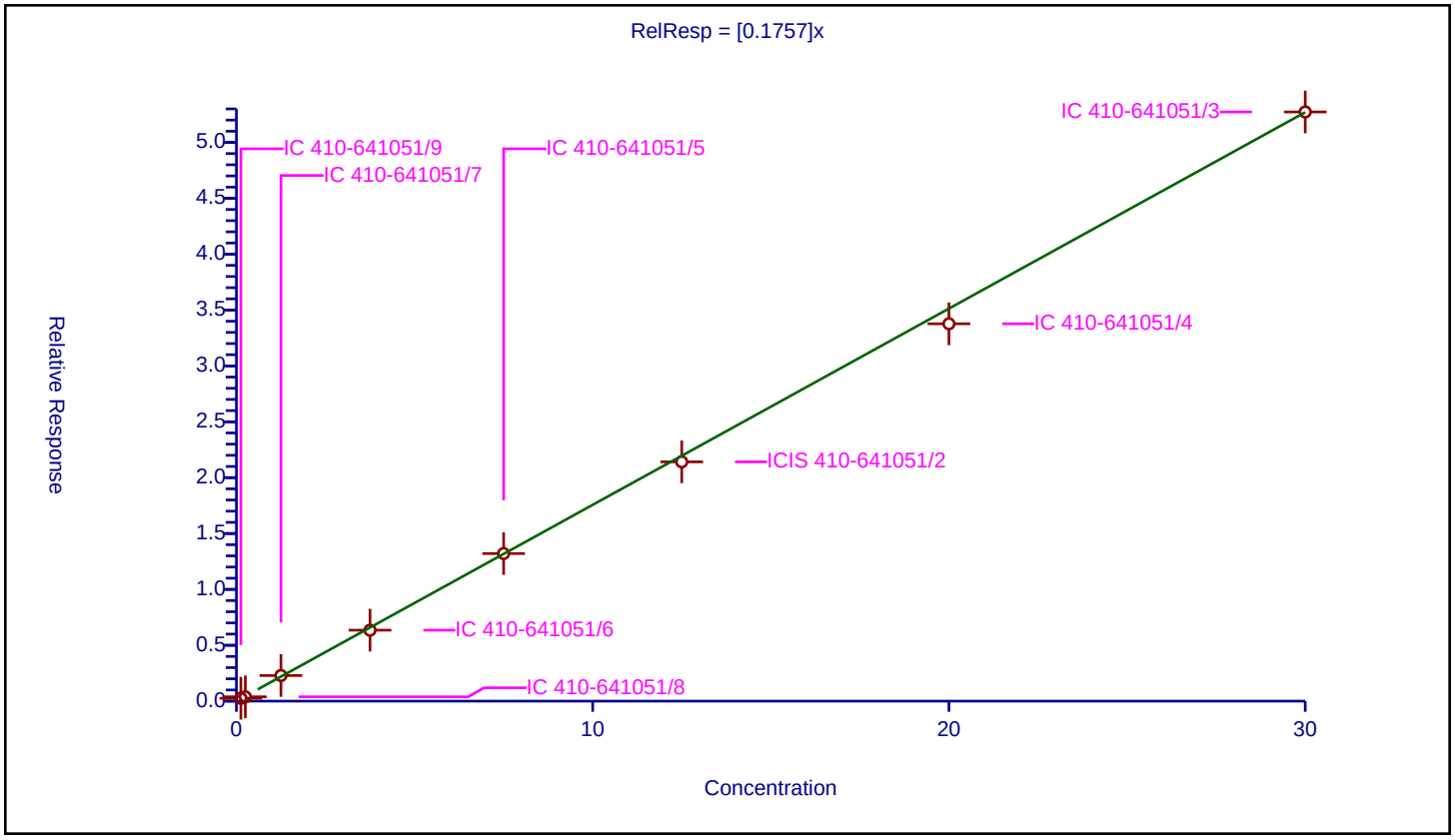
Curve Coefficients

Intercept:	0
Slope:	0.1757

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.025752	5.0	691214.0	0.206014	Y
2	IC 410-641051/8	0.25	0.038631	5.0	678080.0	0.154525	Y
3	IC 410-641051/7	1.25	0.229195	5.0	655447.0	0.183356	Y
4	IC 410-641051/6	3.75	0.634985	5.0	705780.0	0.169329	Y
5	IC 410-641051/5	7.5	1.320912	5.0	699161.0	0.176122	Y
6	ICIS 410-641051/2	12.5	2.141477	5.0	831564.0	0.171318	Y
7	IC 410-641051/4	20.0	3.376995	5.0	737191.0	0.16885	Y
8	IC 410-641051/3	30.0	5.272475	5.0	693092.0	0.175749	Y



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Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

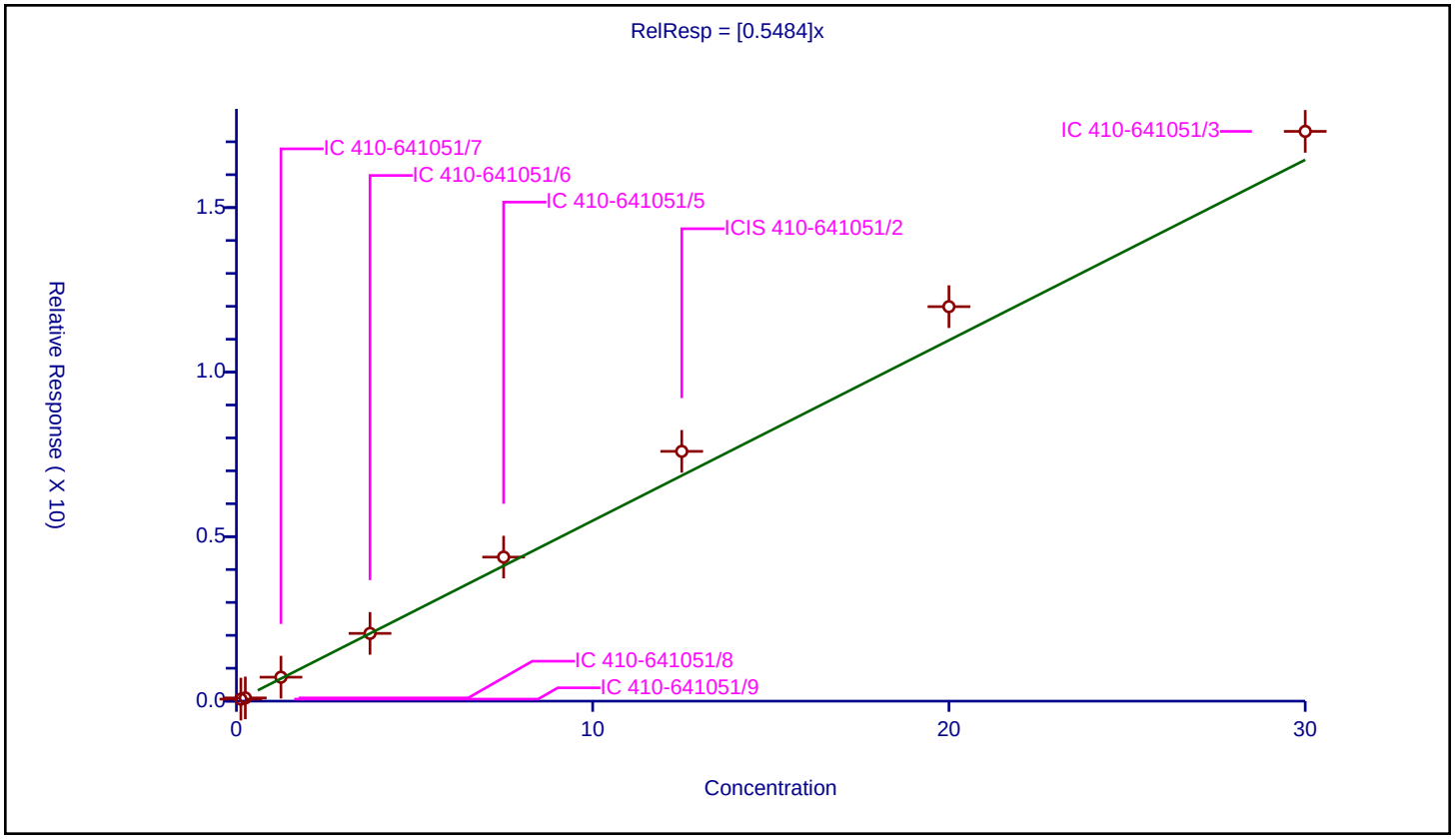
Curve Coefficients

Intercept:	0
Slope:	0.5484

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.061595	5.0	691214.0	0.492756	Y
2	IC 410-641051/8	0.25	0.098698	5.0	678080.0	0.394791	Y
3	IC 410-641051/7	1.25	0.728358	5.0	655447.0	0.582686	Y
4	IC 410-641051/6	3.75	2.059296	5.0	705780.0	0.549146	Y
5	IC 410-641051/5	7.5	4.378198	5.0	699161.0	0.58376	Y
6	ICIS 410-641051/2	12.5	7.591725	5.0	831564.0	0.607338	Y
7	IC 410-641051/4	20.0	11.989918	5.0	737191.0	0.599496	Y
8	IC 410-641051/3	30.0	17.317023	5.0	693092.0	0.577234	Y



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Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

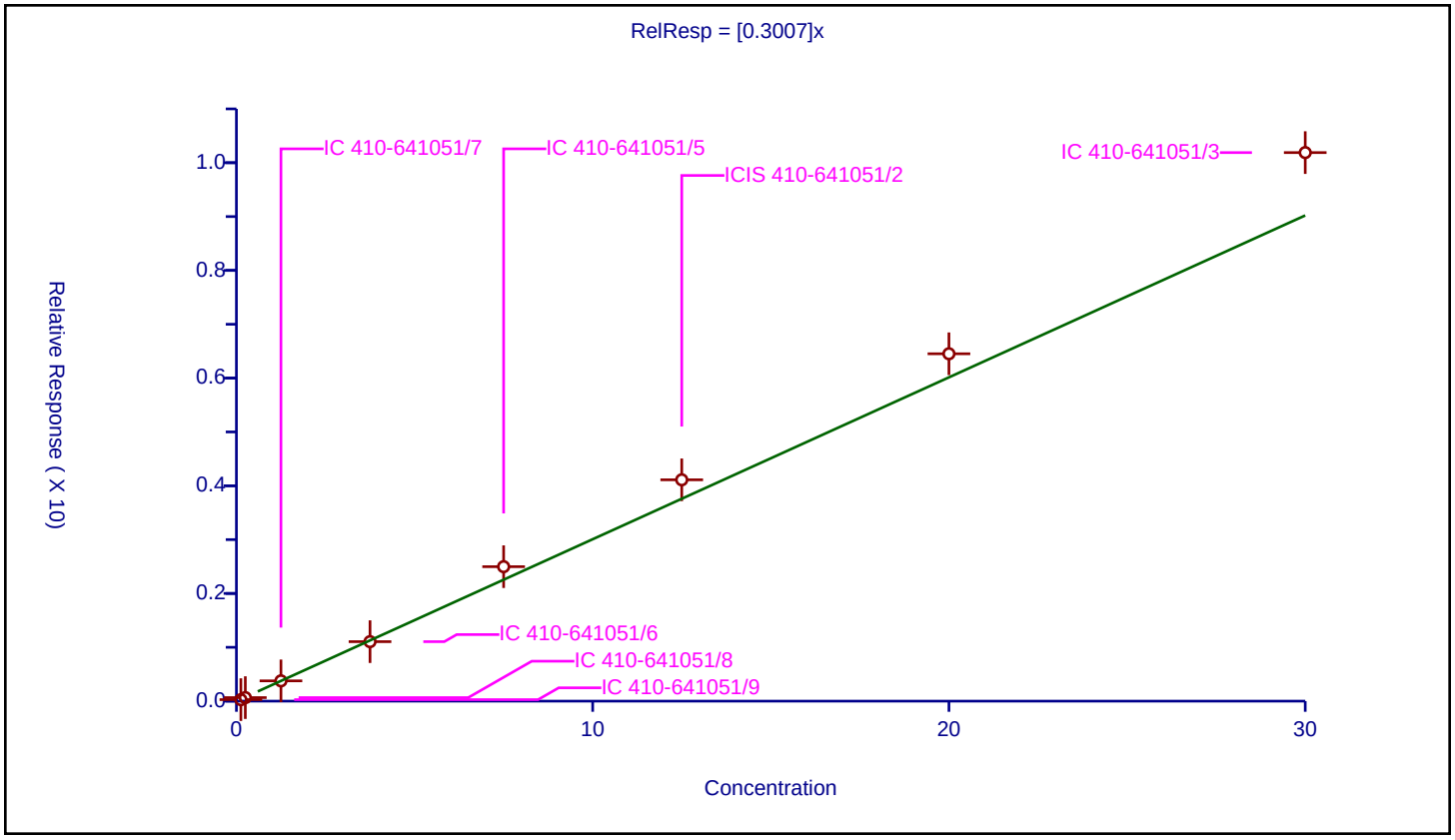
Curve Coefficients

Intercept:	0
Slope:	0.3007

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.027922	5.0	691214.0	0.223375	Y
2	IC 410-641051/8	0.25	0.065494	5.0	678080.0	0.261975	Y
3	IC 410-641051/7	1.25	0.37688	5.0	655447.0	0.301504	Y
4	IC 410-641051/6	3.75	1.105068	5.0	705780.0	0.294685	Y
5	IC 410-641051/5	7.5	2.4973	5.0	699161.0	0.332973	Y
6	ICIS 410-641051/2	12.5	4.110856	5.0	831564.0	0.328868	Y
7	IC 410-641051/4	20.0	6.451768	5.0	737191.0	0.322588	Y
8	IC 410-641051/3	30.0	10.188106	5.0	693092.0	0.339604	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

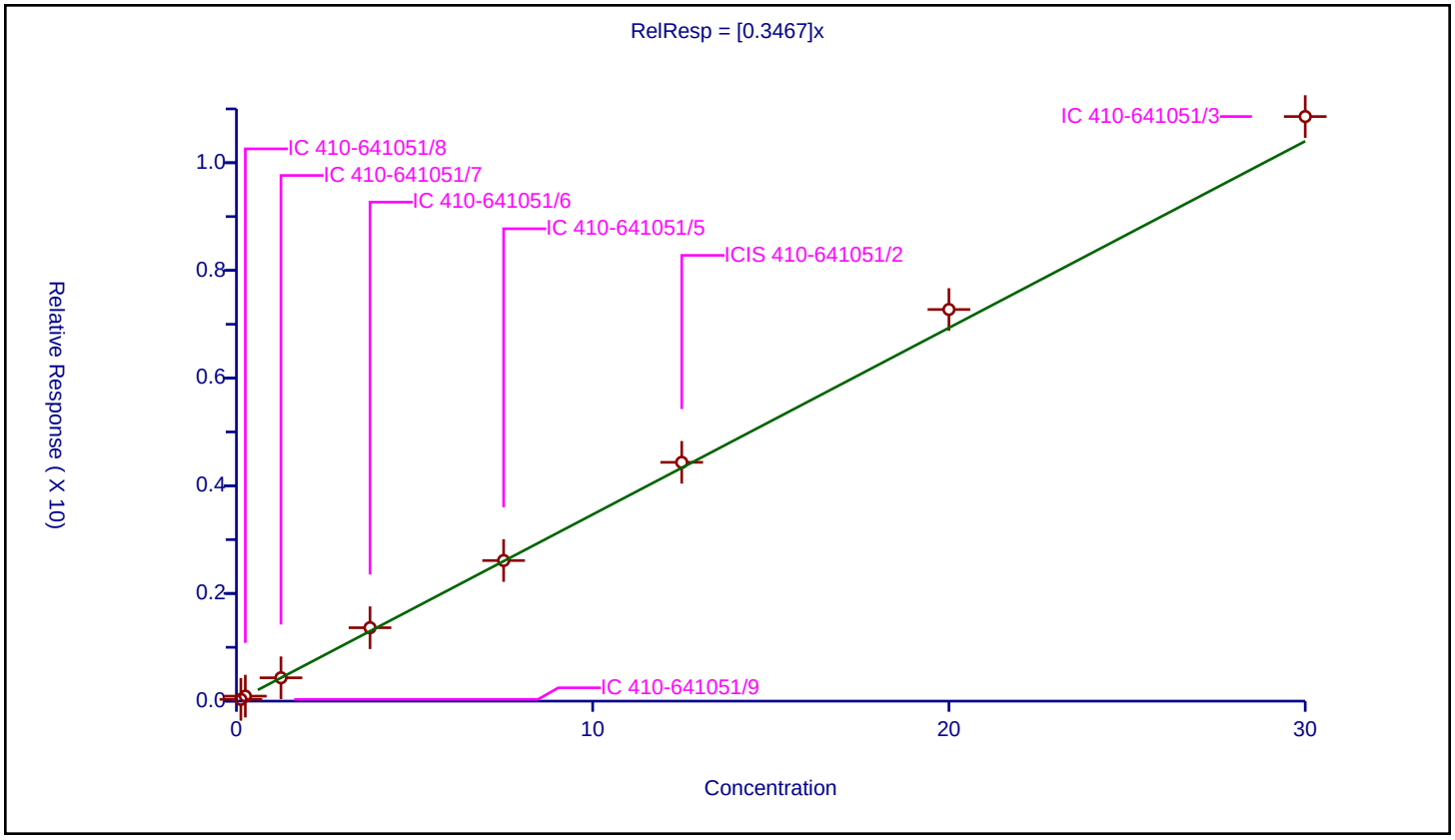
Curve Coefficients

Intercept:	0
Slope:	0.3467

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.032949	5.0	691214.0	0.263594	Y
2	IC 410-641051/8	0.25	0.092637	5.0	678080.0	0.370546	Y
3	IC 410-641051/7	1.25	0.433567	5.0	655447.0	0.346853	Y
4	IC 410-641051/6	3.75	1.363669	5.0	705780.0	0.363645	Y
5	IC 410-641051/5	7.5	2.611895	5.0	699161.0	0.348253	Y
6	ICIS 410-641051/2	12.5	4.435564	5.0	831564.0	0.354845	Y
7	IC 410-641051/4	20.0	7.274139	5.0	737191.0	0.363707	Y
8	IC 410-641051/3	30.0	10.858082	5.0	693092.0	0.361936	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

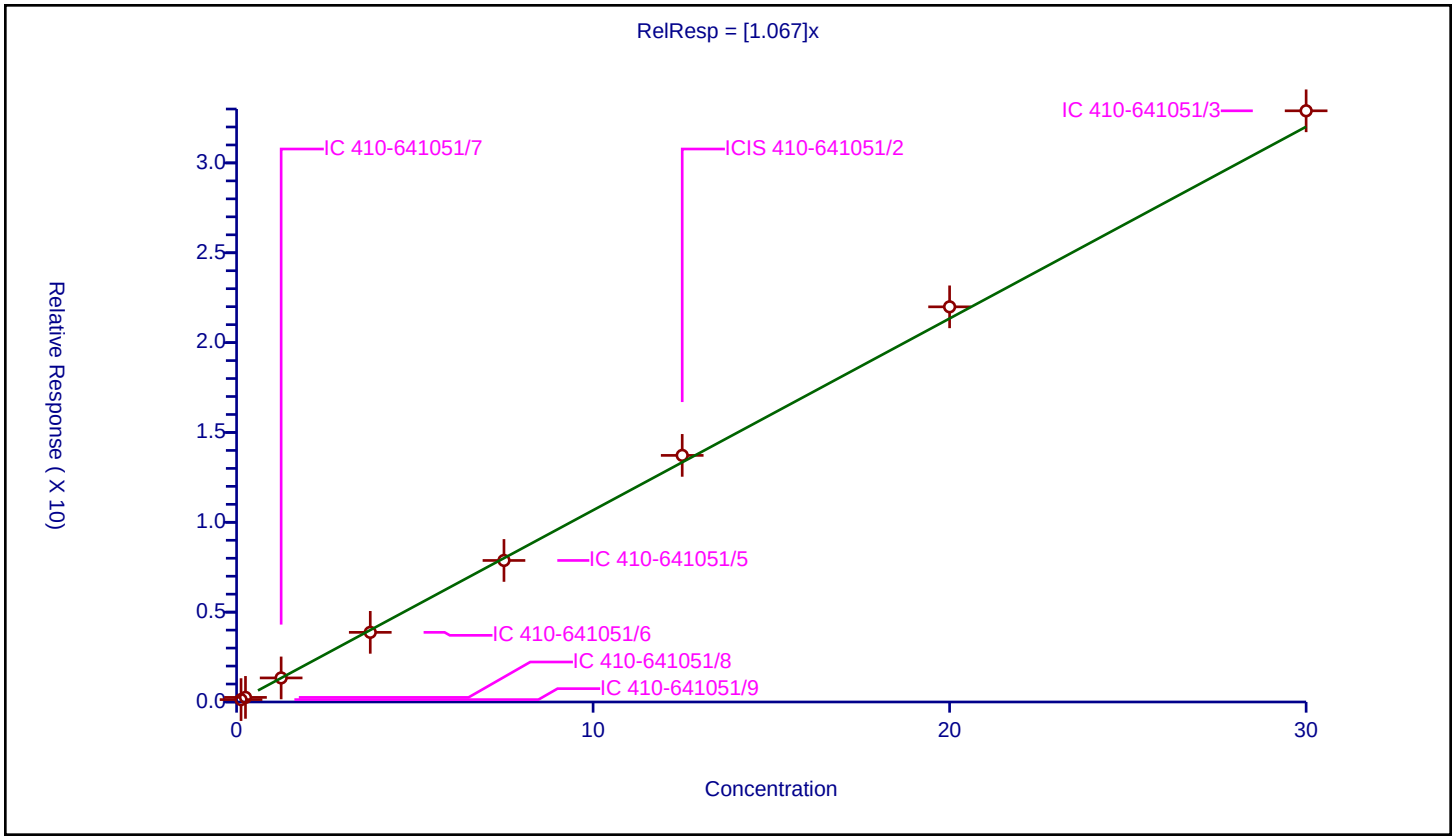
Curve Coefficients

Intercept:	0
Slope:	1.067

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133099	5.0	691214.0	1.064793	Y
2	IC 410-641051/8	0.25	0.2557	5.0	678080.0	1.0228	Y
3	IC 410-641051/7	1.25	1.339277	5.0	655447.0	1.071421	Y
4	IC 410-641051/6	3.75	3.875939	5.0	705780.0	1.033584	Y
5	IC 410-641051/5	7.5	7.877141	5.0	699161.0	1.050286	Y
6	ICIS 410-641051/2	12.5	13.723929	5.0	831564.0	1.097914	Y
7	IC 410-641051/4	20.0	21.991926	5.0	737191.0	1.099596	Y
8	IC 410-641051/3	30.0	32.89999	5.0	693092.0	1.096666	Y



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Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

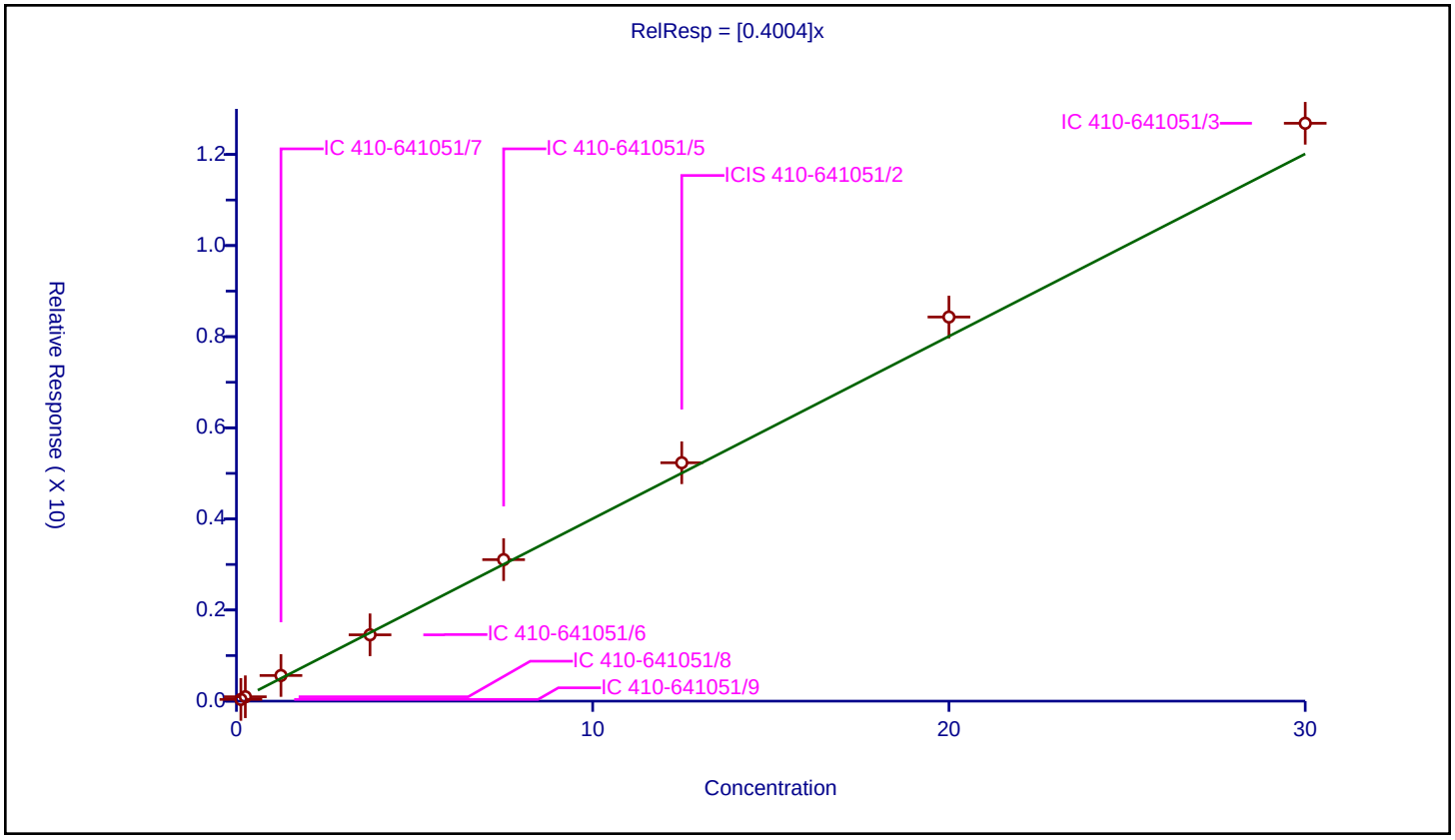
Curve Coefficients

Intercept:	0
Slope:	0.4004

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.037839	5.0	691214.0	0.302714	Y
2	IC 410-641051/8	0.25	0.096228	5.0	678080.0	0.38491	Y
3	IC 410-641051/7	1.25	0.562967	5.0	655447.0	0.450374	Y
4	IC 410-641051/6	3.75	1.456077	5.0	705780.0	0.388287	Y
5	IC 410-641051/5	7.5	3.105644	5.0	699161.0	0.414086	Y
6	ICIS 410-641051/2	12.5	5.232796	5.0	831564.0	0.418624	Y
7	IC 410-641051/4	20.0	8.431444	5.0	737191.0	0.421572	Y
8	IC 410-641051/3	30.0	12.684038	5.0	693092.0	0.422801	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

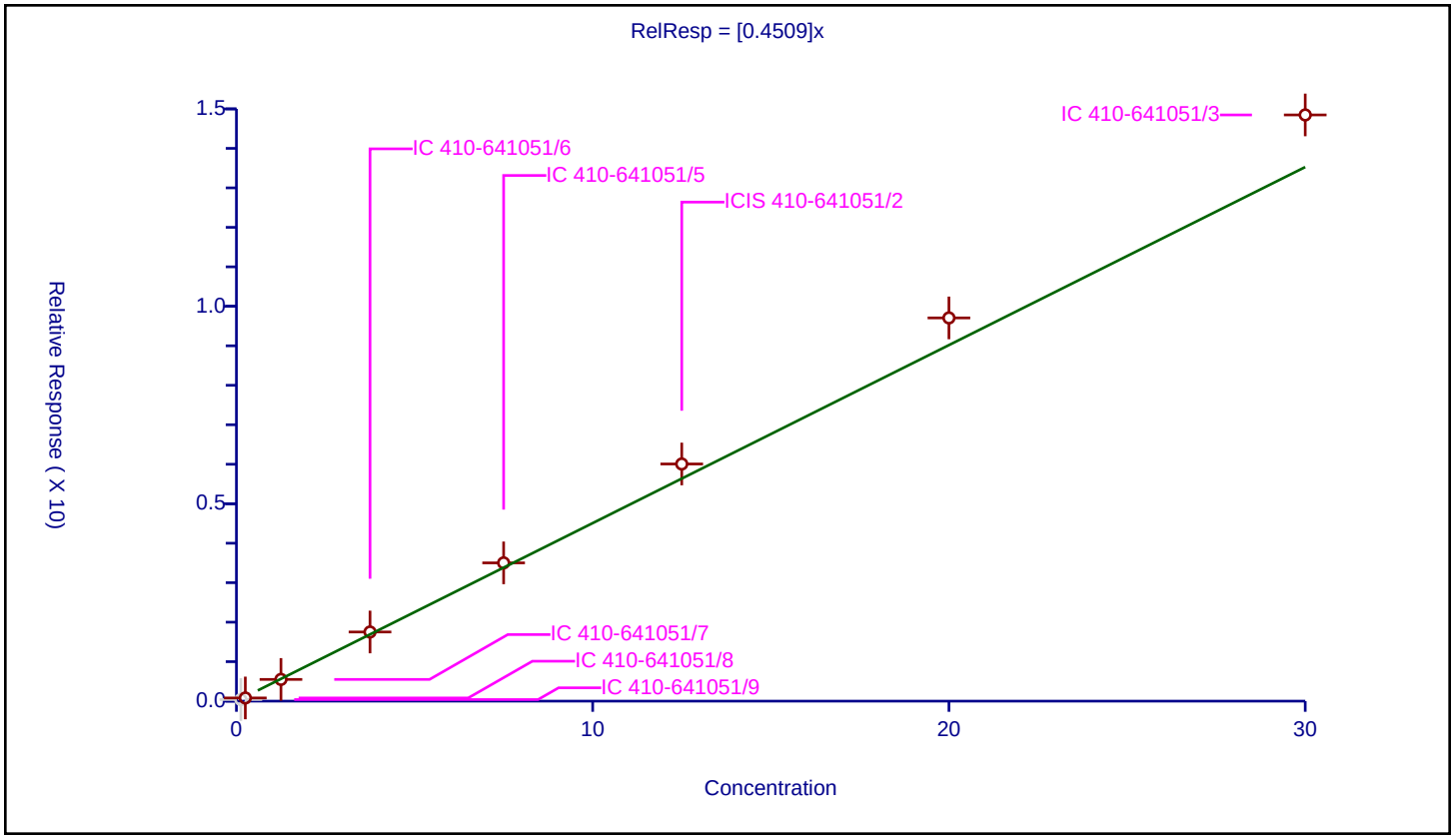
Curve Coefficients

Intercept:	0
Slope:	0.4509

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.040241	5.0	691214.0	0.321926	N
2	IC 410-641051/8	0.25	0.080367	5.0	678080.0	0.321466	Y
3	IC 410-641051/7	1.25	0.550144	5.0	655447.0	0.440115	Y
4	IC 410-641051/6	3.75	1.751509	5.0	705780.0	0.467069	Y
5	IC 410-641051/5	7.5	3.501819	5.0	699161.0	0.466909	Y
6	ICIS 410-641051/2	12.5	6.006603	5.0	831564.0	0.480528	Y
7	IC 410-641051/4	20.0	9.706263	5.0	737191.0	0.485313	Y
8	IC 410-641051/3	30.0	14.846709	5.0	693092.0	0.49489	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

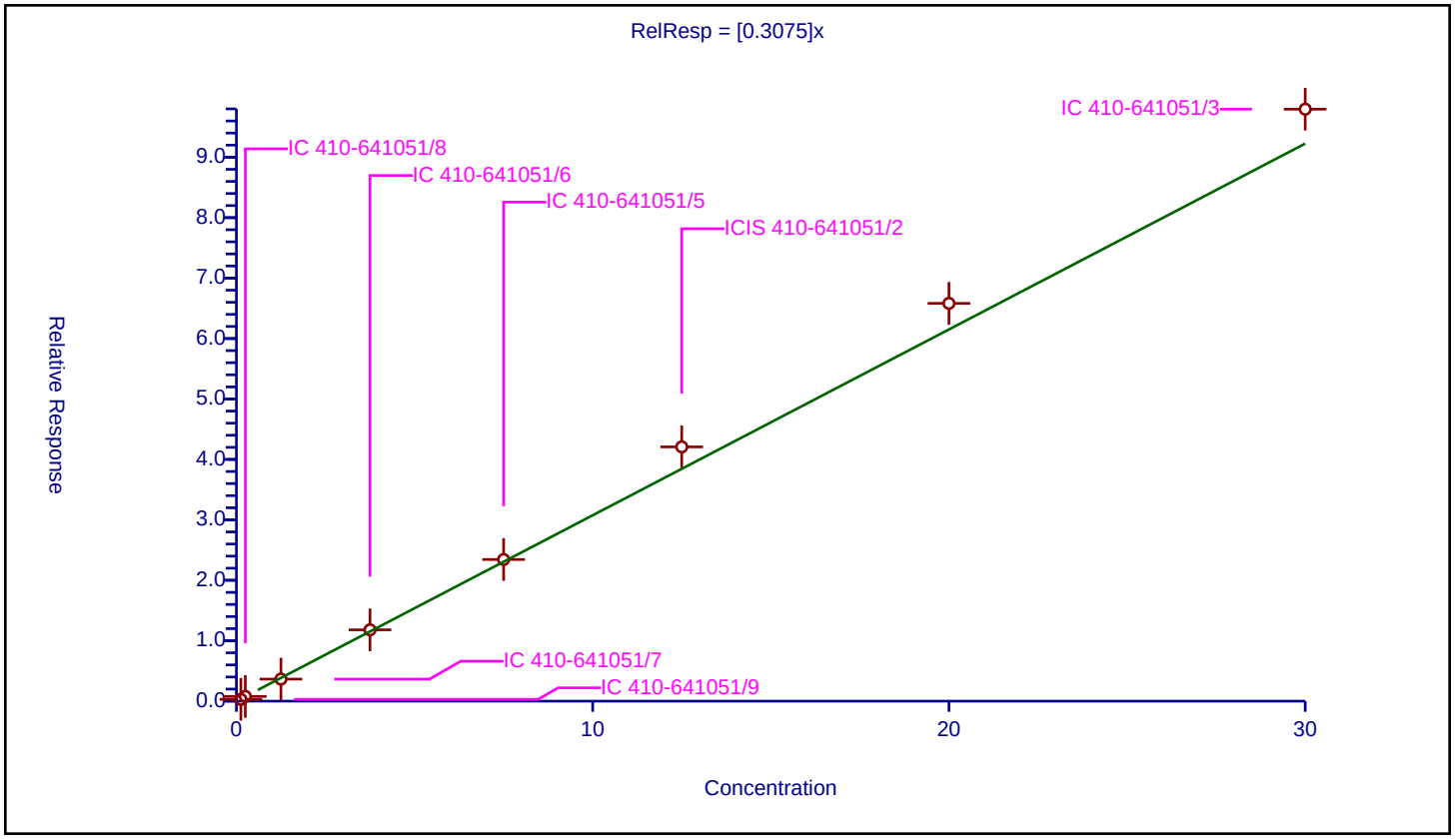
Curve Coefficients

Intercept:	0
Slope:	0.3075

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.029578	5.0	691214.0	0.236627	Y
2	IC 410-641051/8	0.25	0.078118	5.0	678080.0	0.312471	Y
3	IC 410-641051/7	1.25	0.364644	5.0	655447.0	0.291715	Y
4	IC 410-641051/6	3.75	1.17995	5.0	705780.0	0.314653	Y
5	IC 410-641051/5	7.5	2.34353	5.0	699161.0	0.312471	Y
6	ICIS 410-641051/2	12.5	4.207457	5.0	831564.0	0.336597	Y
7	IC 410-641051/4	20.0	6.581754	5.0	737191.0	0.329088	Y
8	IC 410-641051/3	30.0	9.794804	5.0	693092.0	0.326493	Y



Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

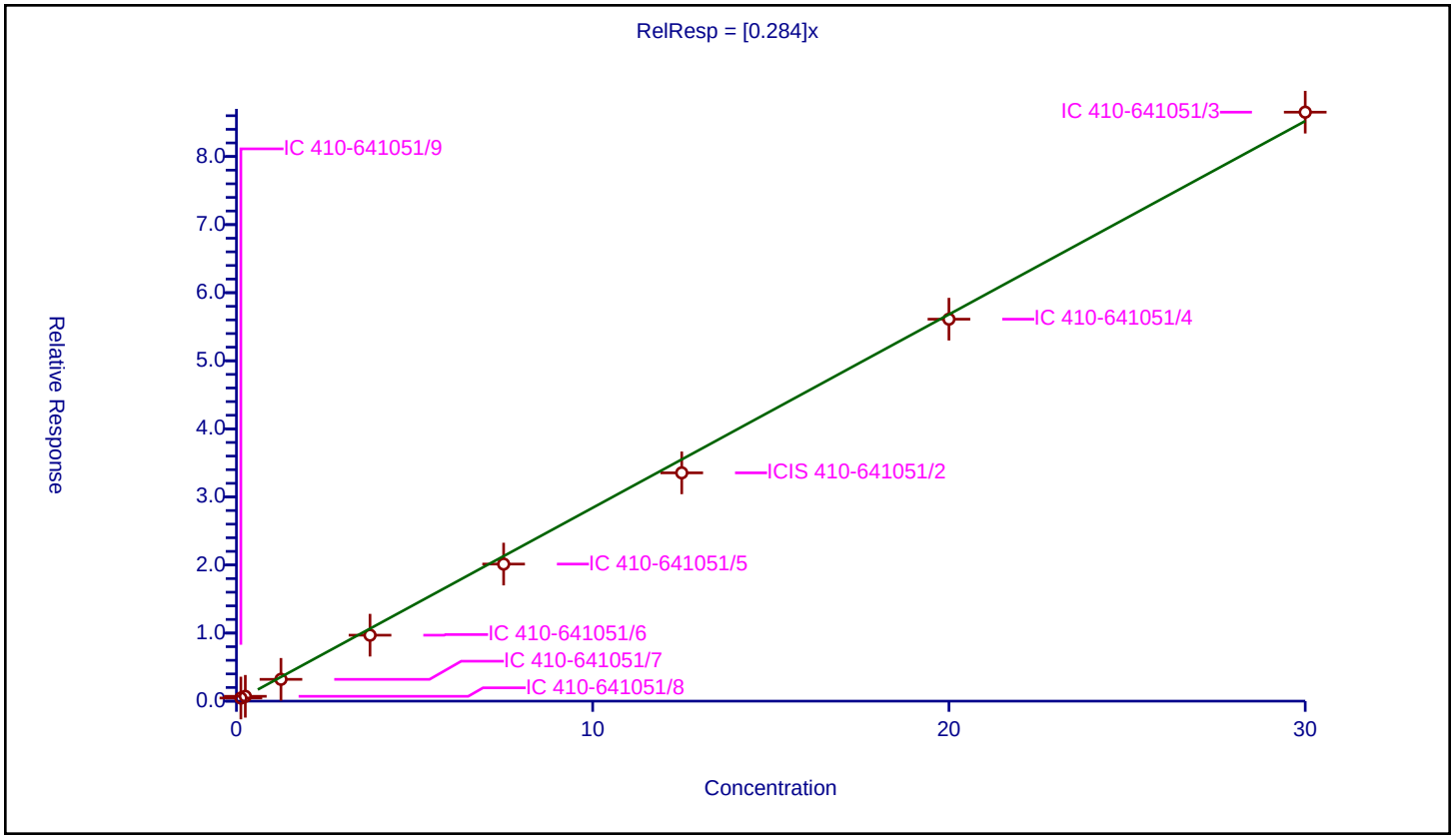
Curve Coefficients

Intercept:	0
Slope:	0.284

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.046049	5.0	691214.0	0.368395	Y
2	IC 410-641051/8	0.25	0.070899	5.0	678080.0	0.283595	Y
3	IC 410-641051/7	1.25	0.320346	5.0	655447.0	0.256277	Y
4	IC 410-641051/6	3.75	0.968744	5.0	705780.0	0.258332	Y
5	IC 410-641051/5	7.5	2.013571	5.0	699161.0	0.268476	Y
6	ICIS 410-641051/2	12.5	3.353488	5.0	831564.0	0.268279	Y
7	IC 410-641051/4	20.0	5.611103	5.0	737191.0	0.280555	Y
8	IC 410-641051/3	30.0	8.651781	5.0	693092.0	0.288393	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

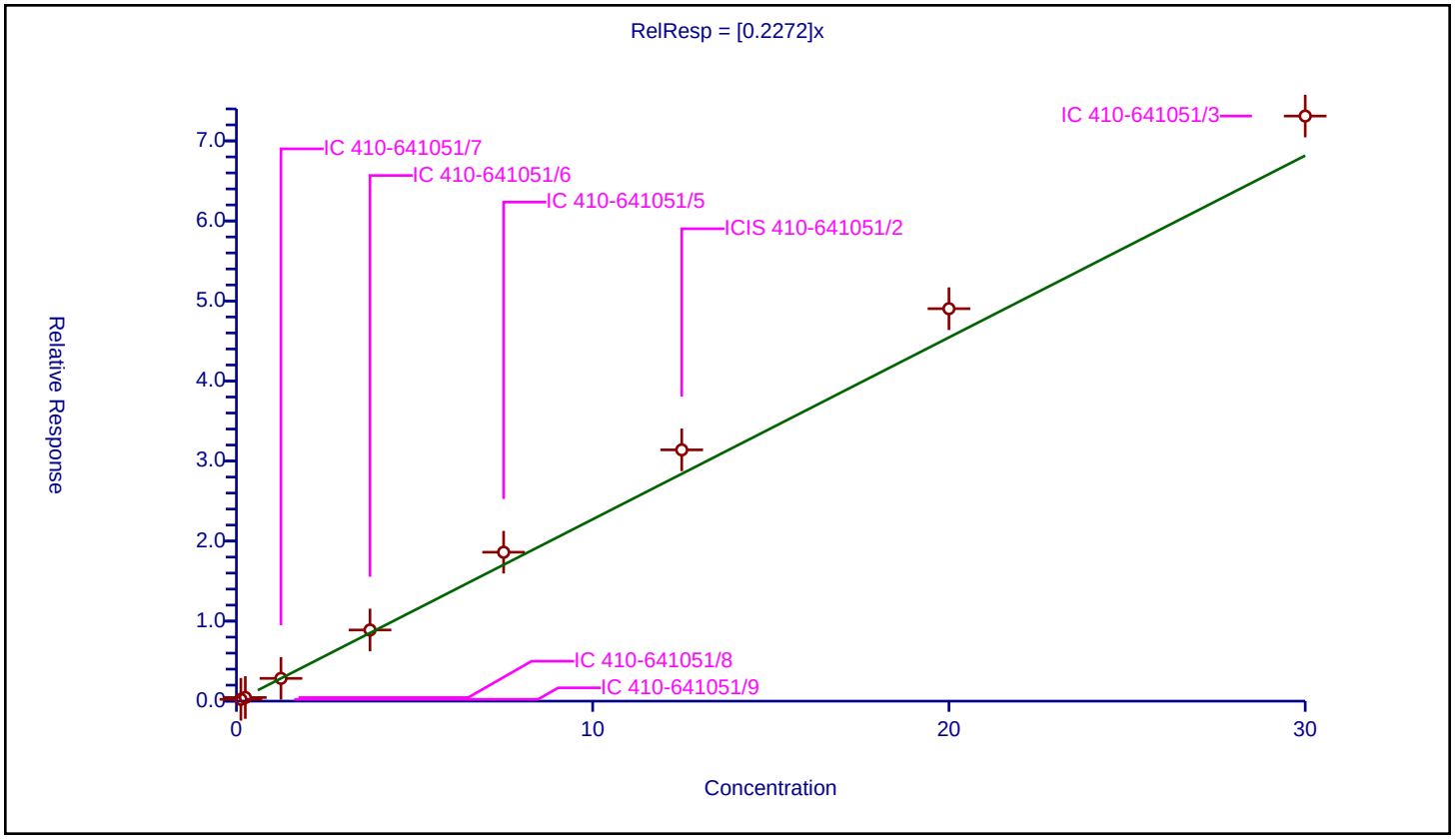
Curve Coefficients

Intercept:	0
Slope:	0.2272

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.022909	5.0	691214.0	0.183272	Y
2	IC 410-641051/8	0.25	0.045467	5.0	678080.0	0.181866	Y
3	IC 410-641051/7	1.25	0.284287	5.0	655447.0	0.22743	Y
4	IC 410-641051/6	3.75	0.888875	5.0	705780.0	0.237033	Y
5	IC 410-641051/5	7.5	1.860902	5.0	699161.0	0.24812	Y
6	ICIS 410-641051/2	12.5	3.139518	5.0	831564.0	0.251161	Y
7	IC 410-641051/4	20.0	4.903682	5.0	737191.0	0.245184	Y
8	IC 410-641051/3	30.0	7.31035	5.0	693092.0	0.243678	Y



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Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

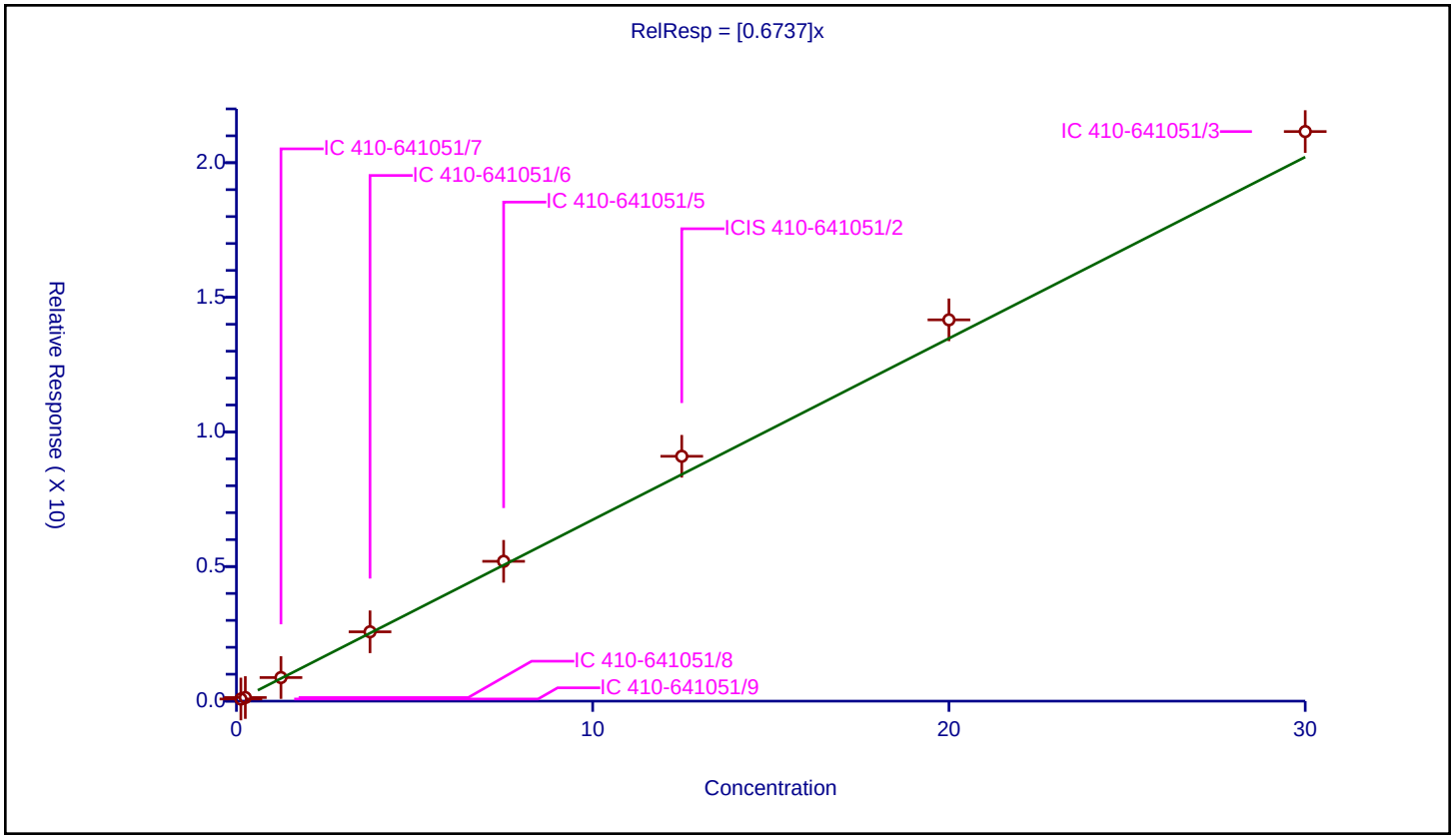
Curve Coefficients

Intercept:	0
Slope:	0.6737

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.079172	5.0	691214.0	0.633378	Y
2	IC 410-641051/8	0.25	0.133804	5.0	678080.0	0.535217	Y
3	IC 410-641051/7	1.25	0.87599	5.0	655447.0	0.700792	Y
4	IC 410-641051/6	3.75	2.575611	5.0	705780.0	0.68683	Y
5	IC 410-641051/5	7.5	5.194161	5.0	699161.0	0.692555	Y
6	ICIS 410-641051/2	12.5	9.095987	5.0	831564.0	0.727679	Y
7	IC 410-641051/4	20.0	14.163948	5.0	737191.0	0.708197	Y
8	IC 410-641051/3	30.0	21.158266	5.0	693092.0	0.705276	Y



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Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

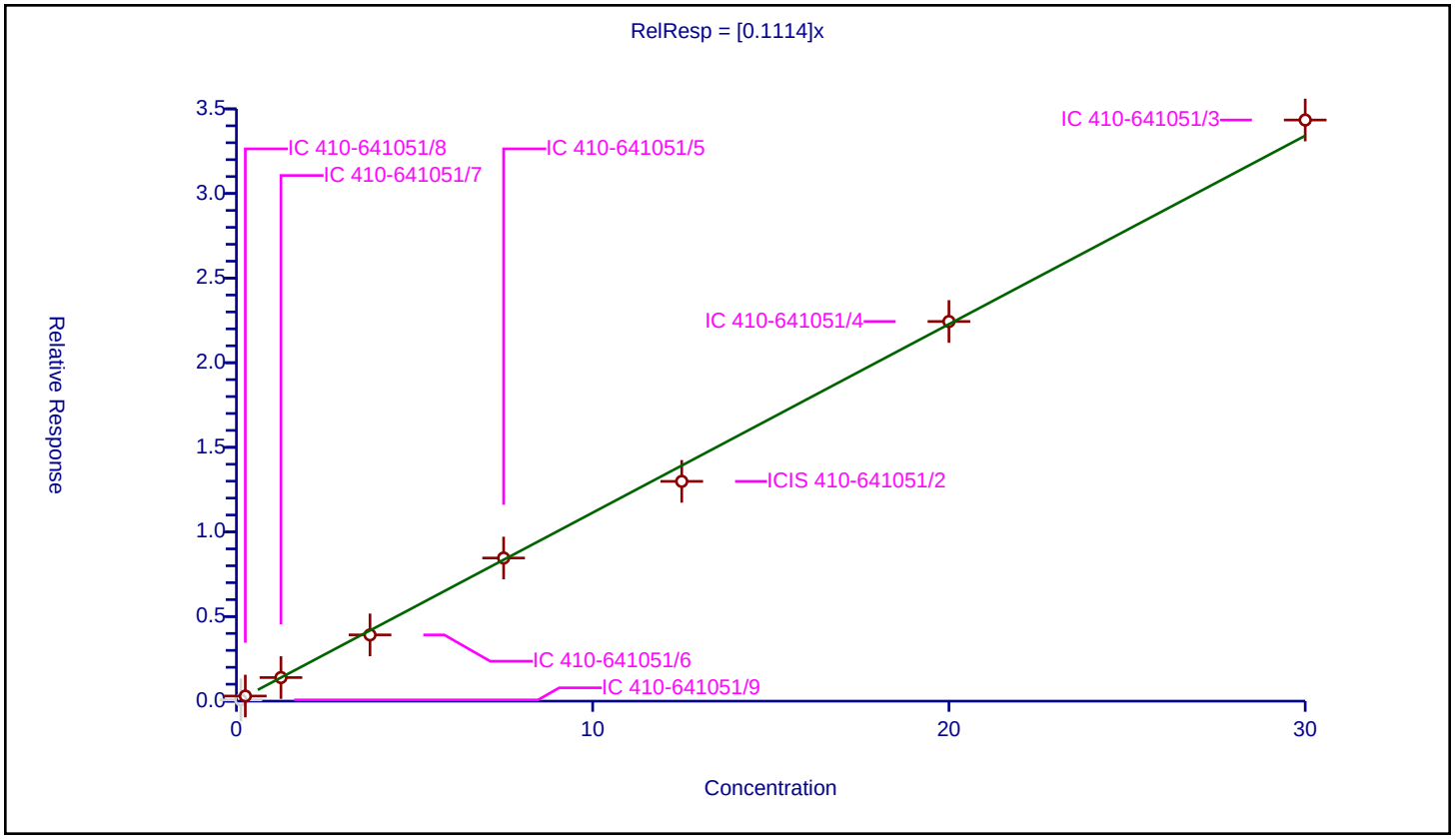
Curve Coefficients

Intercept:	0
Slope:	0.1114

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.007292	5.0	691214.0	0.058332	N
2	IC 410-641051/8	0.25	0.030107	5.0	678080.0	0.120428	Y
3	IC 410-641051/7	1.25	0.139432	5.0	655447.0	0.111545	Y
4	IC 410-641051/6	3.75	0.391461	5.0	705780.0	0.104389	Y
5	IC 410-641051/5	7.5	0.84585	5.0	699161.0	0.11278	Y
6	ICIS 410-641051/2	12.5	1.298788	5.0	831564.0	0.103903	Y
7	IC 410-641051/4	20.0	2.243632	5.0	737191.0	0.112182	Y
8	IC 410-641051/3	30.0	3.434191	5.0	693092.0	0.114473	Y



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Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

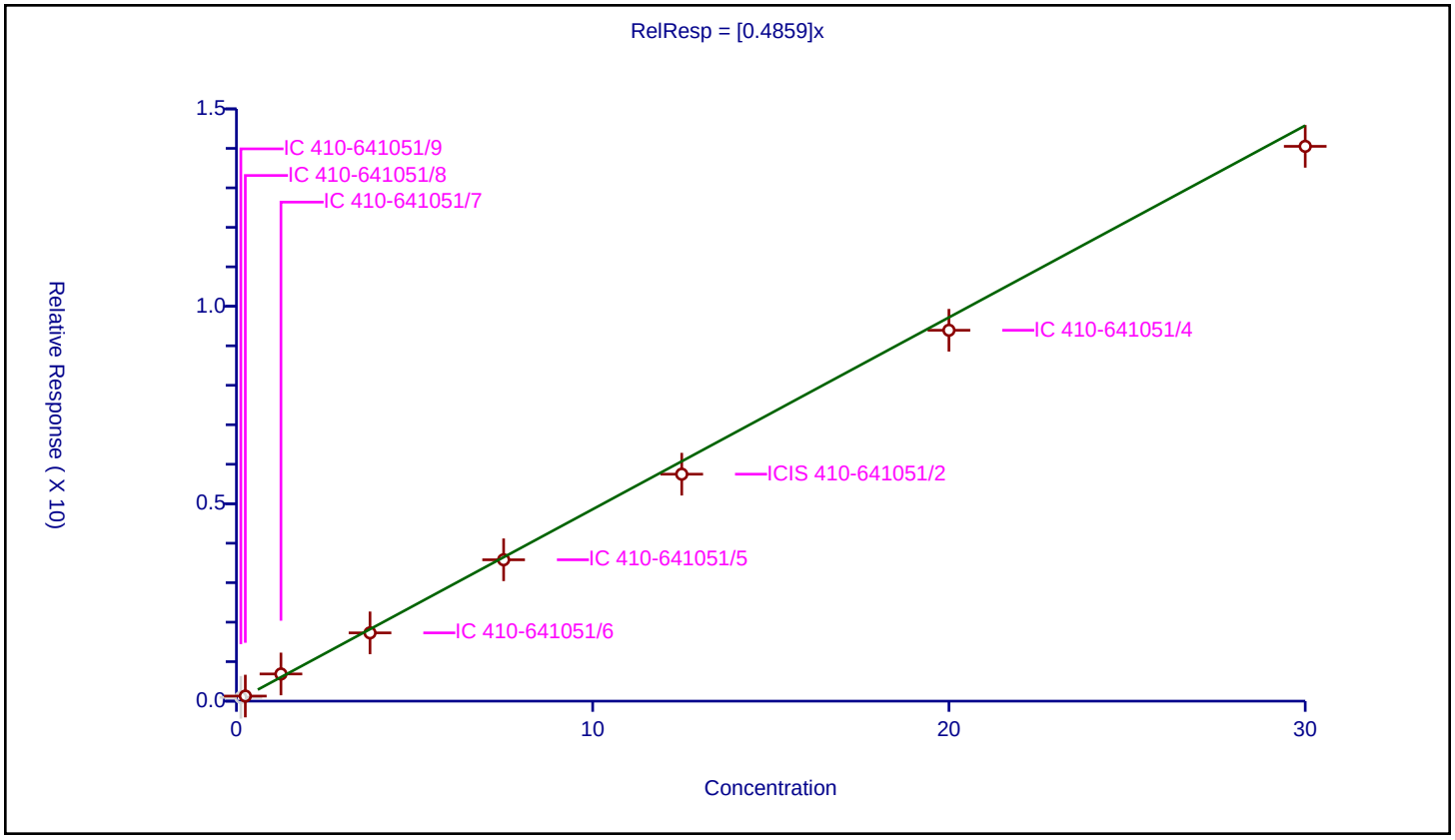
Curve Coefficients

Intercept:	0
Slope:	0.4859

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.095144	5.0	691214.0	0.761154	N
2	IC 410-641051/8	0.25	0.128643	5.0	678080.0	0.514571	Y
3	IC 410-641051/7	1.25	0.688255	5.0	655447.0	0.550604	Y
4	IC 410-641051/6	3.75	1.729257	5.0	705780.0	0.461135	Y
5	IC 410-641051/5	7.5	3.58037	5.0	699161.0	0.477383	Y
6	ICIS 410-641051/2	12.5	5.748493	5.0	831564.0	0.459879	Y
7	IC 410-641051/4	20.0	9.39359	5.0	737191.0	0.469679	Y
8	IC 410-641051/3	30.0	14.051677	5.0	693092.0	0.468389	Y



Calibration / p-Phenylene diamine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

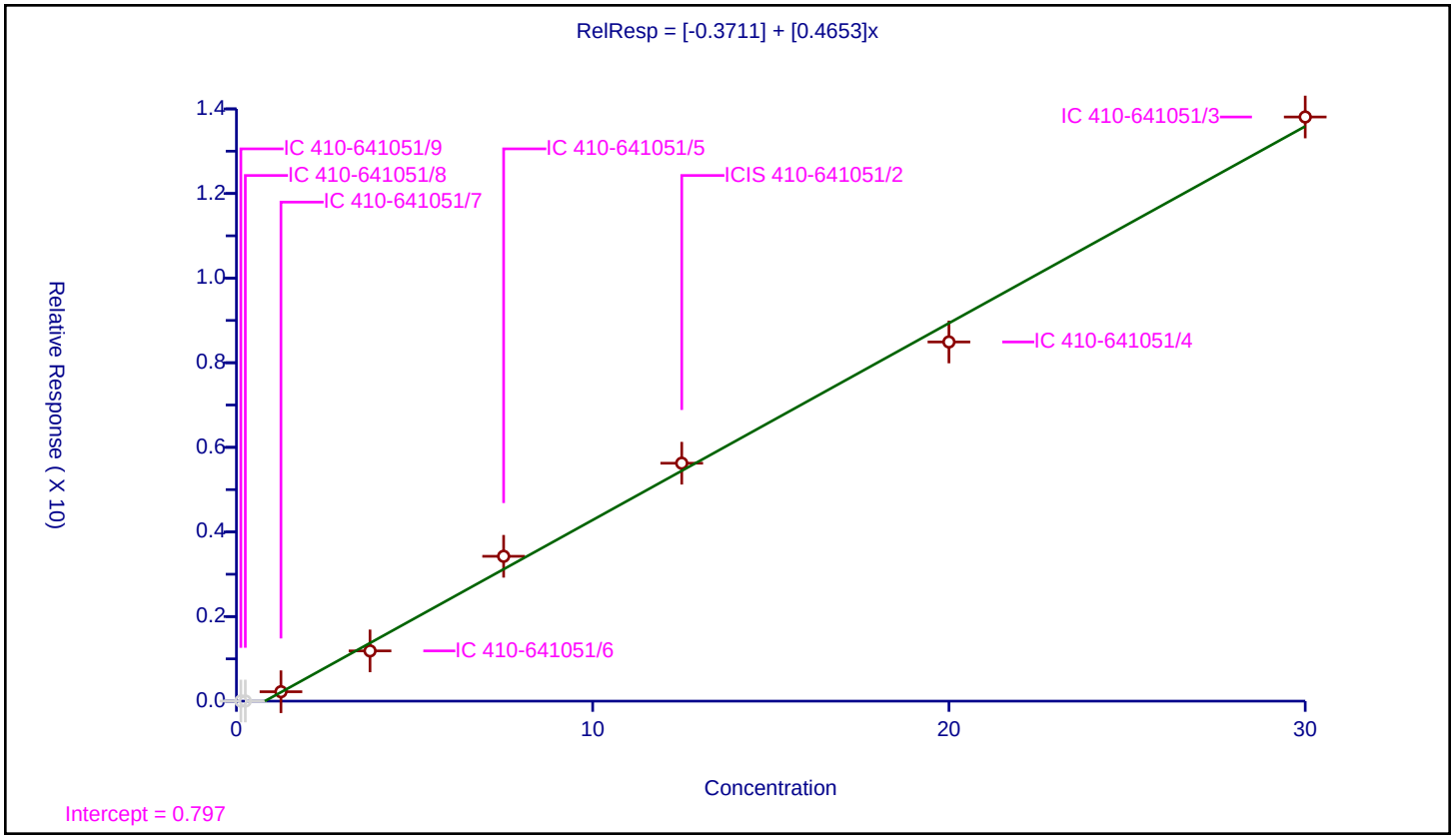
Curve Coefficients

Intercept:	-0.3711
Slope:	0.4653

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.001317	5.0	691214.0	0.010532	N
2	IC 410-641051/8	0.25	0.002913	5.0	678080.0	0.011651	N
3	IC 410-641051/7	1.25	0.222291	5.0	655447.0	0.177833	Y
4	IC 410-641051/6	3.75	1.187849	5.0	705780.0	0.31676	Y
5	IC 410-641051/5	7.5	3.424075	5.0	699161.0	0.456543	Y
6	ICIS 410-641051/2	12.5	5.624306	5.0	831564.0	0.449944	Y
7	IC 410-641051/4	20.0	8.49052	5.0	737191.0	0.424526	Y
8	IC 410-641051/3	30.0	13.808383	5.0	693092.0	0.460279	Y



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Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

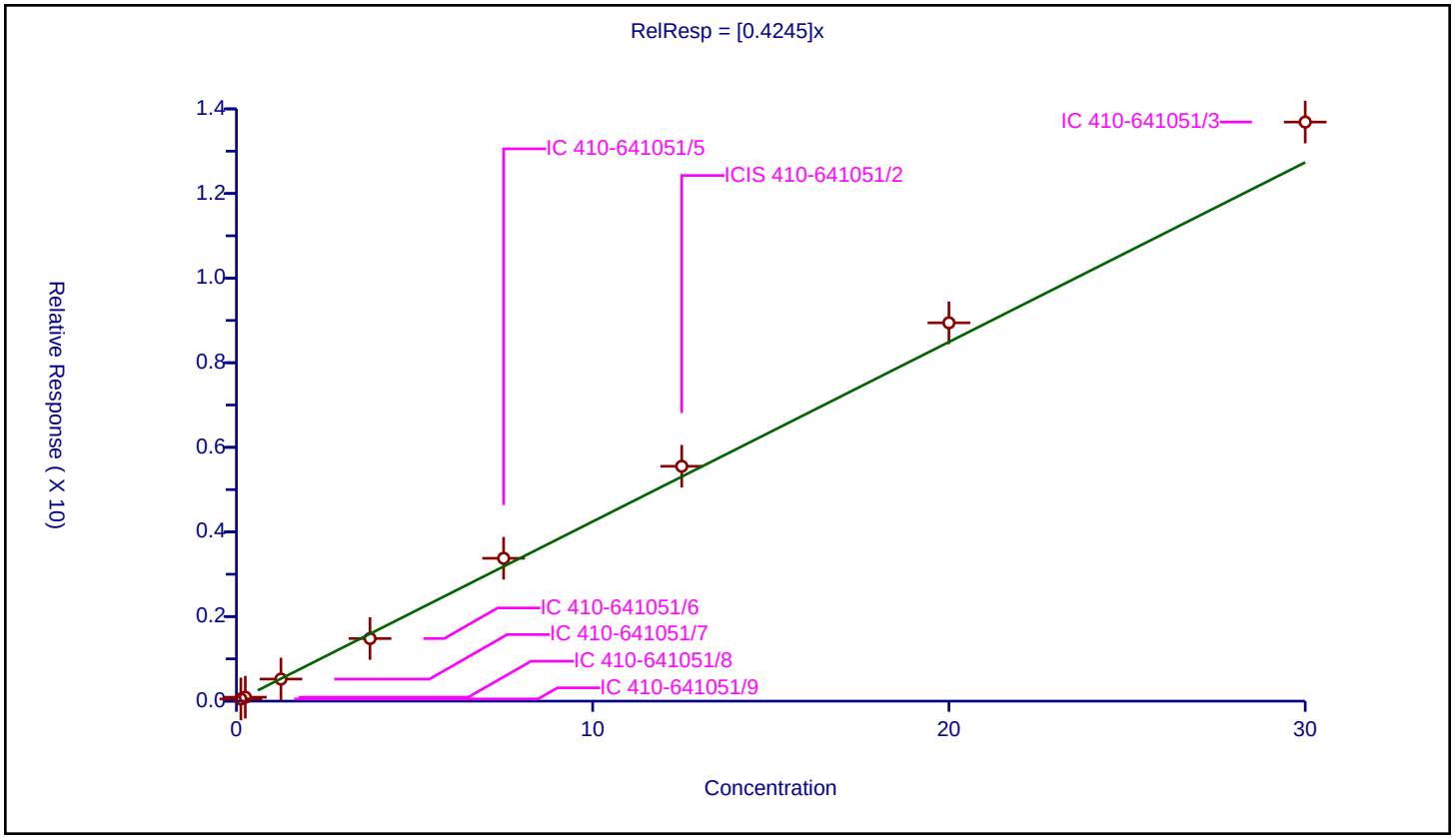
Curve Coefficients

Intercept:	0
Slope:	0.4245

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.051858	5.0	691214.0	0.414864	Y
2	IC 410-641051/8	0.25	0.092762	5.0	678080.0	0.371048	Y
3	IC 410-641051/7	1.25	0.522048	5.0	655447.0	0.417639	Y
4	IC 410-641051/6	3.75	1.480199	5.0	705780.0	0.39472	Y
5	IC 410-641051/5	7.5	3.376654	5.0	699161.0	0.450221	Y
6	ICIS 410-641051/2	12.5	5.552212	5.0	831564.0	0.444177	Y
7	IC 410-641051/4	20.0	8.942961	5.0	737191.0	0.447148	Y
8	IC 410-641051/3	30.0	13.688486	5.0	693092.0	0.456283	Y



Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

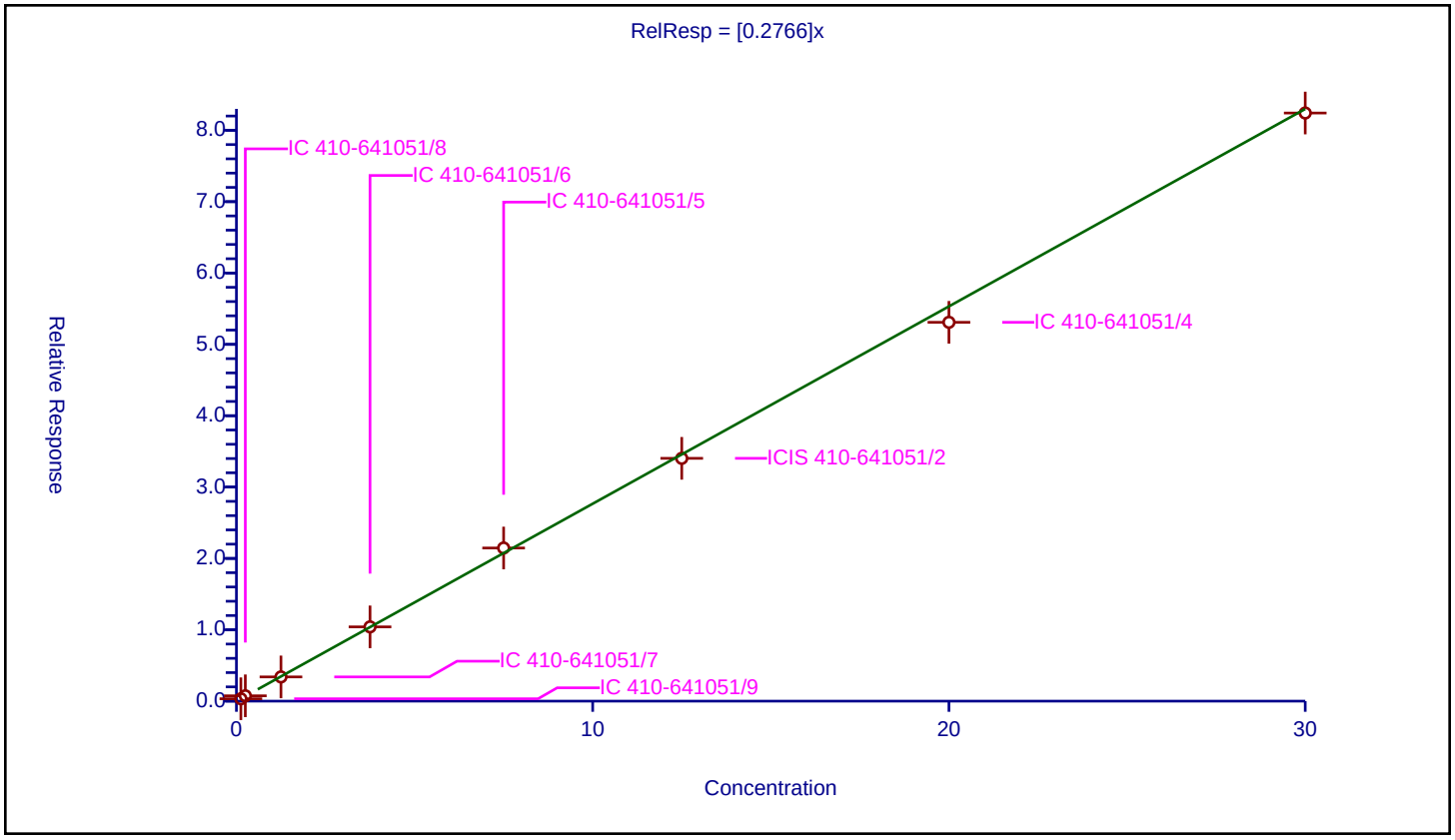
Curve Coefficients

Intercept:	0
Slope:	0.2766

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.033253	5.0	691214.0	0.266025	Y
2	IC 410-641051/8	0.25	0.074822	5.0	678080.0	0.299286	Y
3	IC 410-641051/7	1.25	0.339448	5.0	655447.0	0.271558	Y
4	IC 410-641051/6	3.75	1.040905	5.0	705780.0	0.277575	Y
5	IC 410-641051/5	7.5	2.146115	5.0	699161.0	0.286149	Y
6	ICIS 410-641051/2	12.5	3.402679	5.0	831564.0	0.272214	Y
7	IC 410-641051/4	20.0	5.309235	5.0	737191.0	0.265462	Y
8	IC 410-641051/3	30.0	8.242217	5.0	693092.0	0.274741	Y



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Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

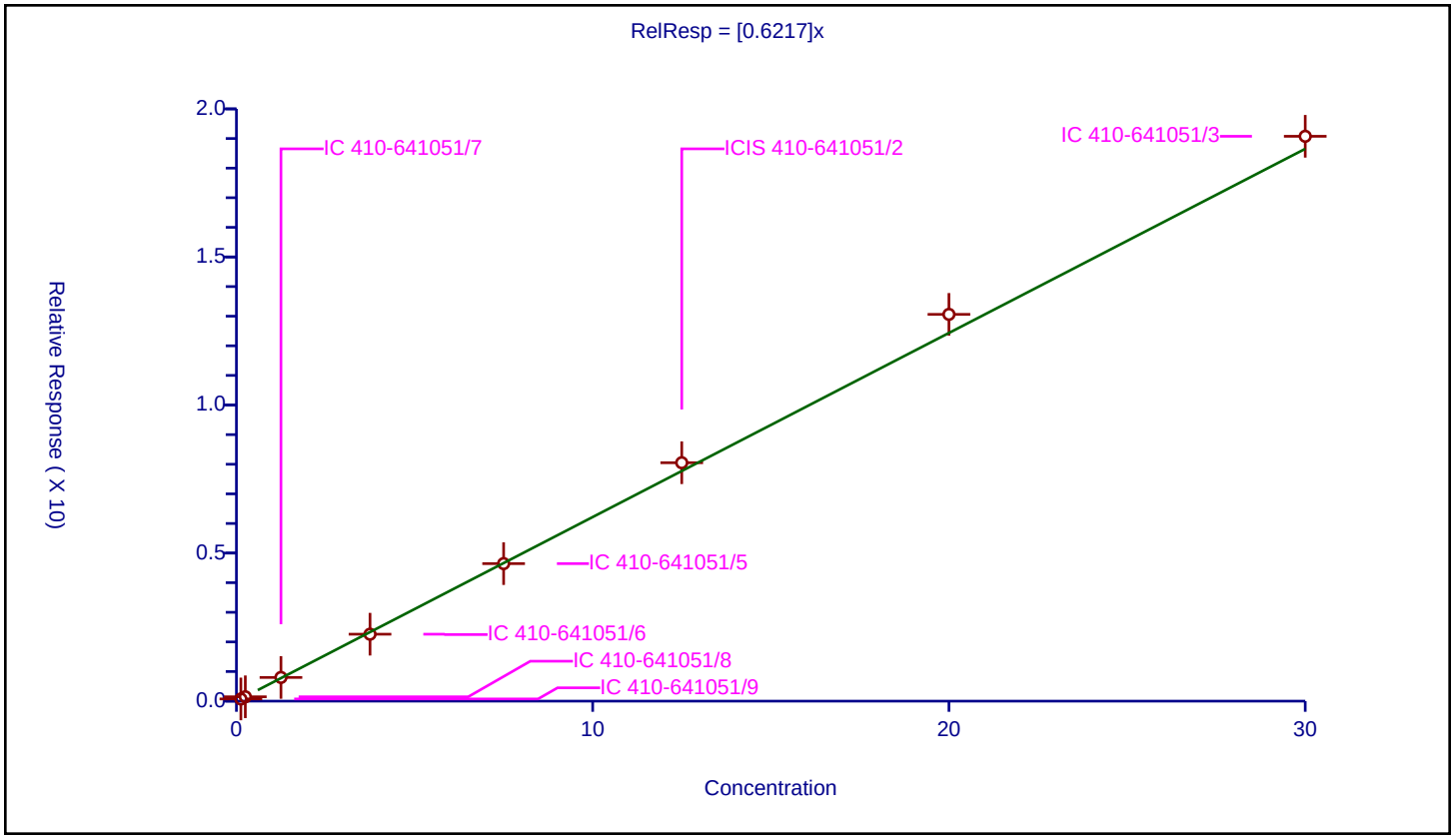
Curve Coefficients

Intercept:	0
Slope:	0.6217

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.073783	5.0	691214.0	0.590266	Y
2	IC 410-641051/8	0.25	0.146996	5.0	678080.0	0.587984	Y
3	IC 410-641051/7	1.25	0.800179	5.0	655447.0	0.640143	Y
4	IC 410-641051/6	3.75	2.260726	5.0	705780.0	0.60286	Y
5	IC 410-641051/5	7.5	4.644009	5.0	699161.0	0.619201	Y
6	ICIS 410-641051/2	12.5	8.051094	5.0	831564.0	0.644088	Y
7	IC 410-641051/4	20.0	13.060699	5.0	737191.0	0.653035	Y
8	IC 410-641051/3	30.0	19.074878	5.0	693092.0	0.635829	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

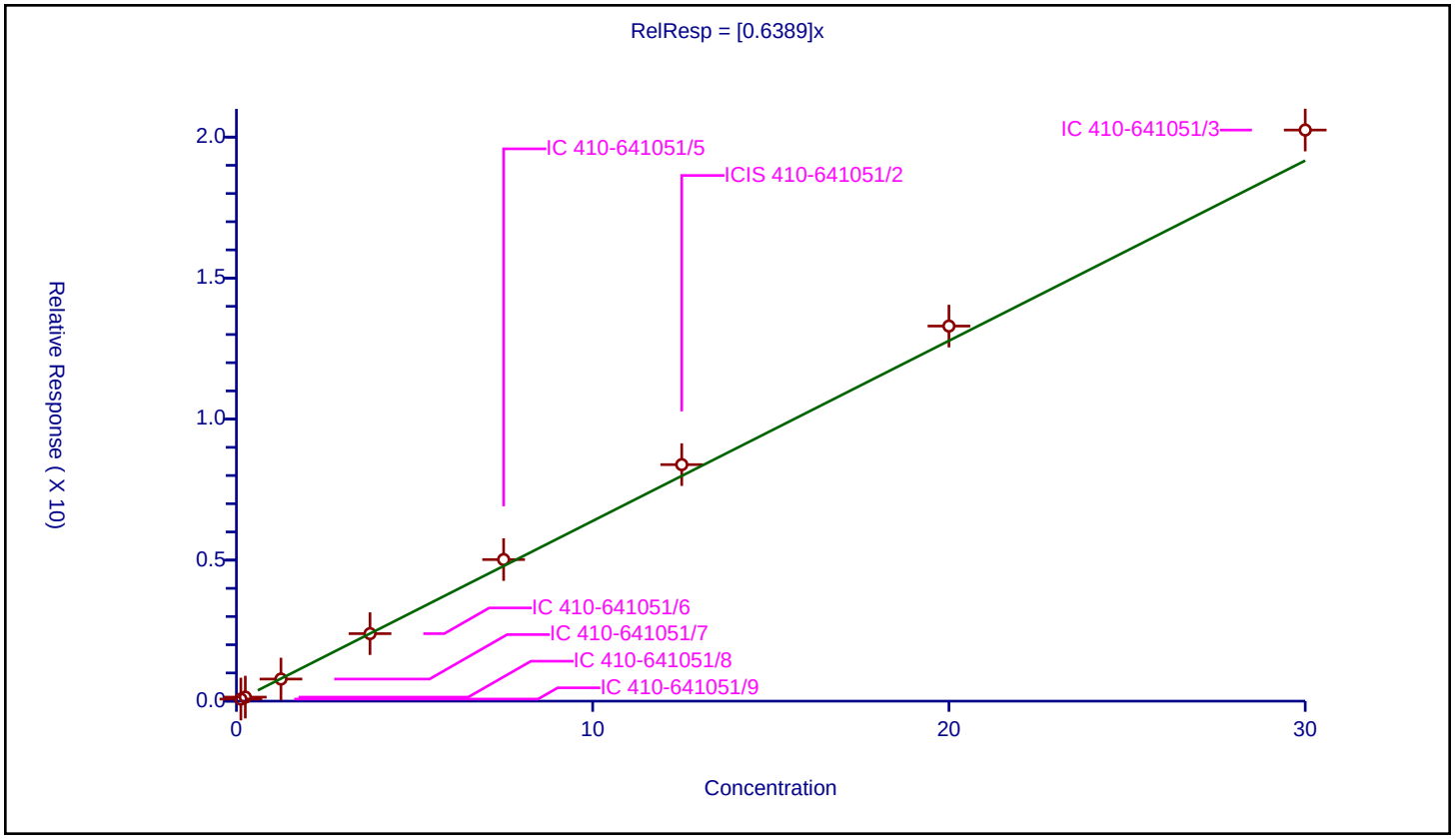
Curve Coefficients

Intercept:	0
Slope:	0.6389

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.074478	5.0	691214.0	0.595821	Y
2	IC 410-641051/8	0.25	0.142616	5.0	678080.0	0.570464	Y
3	IC 410-641051/7	1.25	0.783145	5.0	655447.0	0.626516	Y
4	IC 410-641051/6	3.75	2.393444	5.0	705780.0	0.638252	Y
5	IC 410-641051/5	7.5	5.019902	5.0	699161.0	0.66932	Y
6	ICIS 410-641051/2	12.5	8.38663	5.0	831564.0	0.67093	Y
7	IC 410-641051/4	20.0	13.299328	5.0	737191.0	0.664966	Y
8	IC 410-641051/3	30.0	20.249685	5.0	693092.0	0.67499	Y



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Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

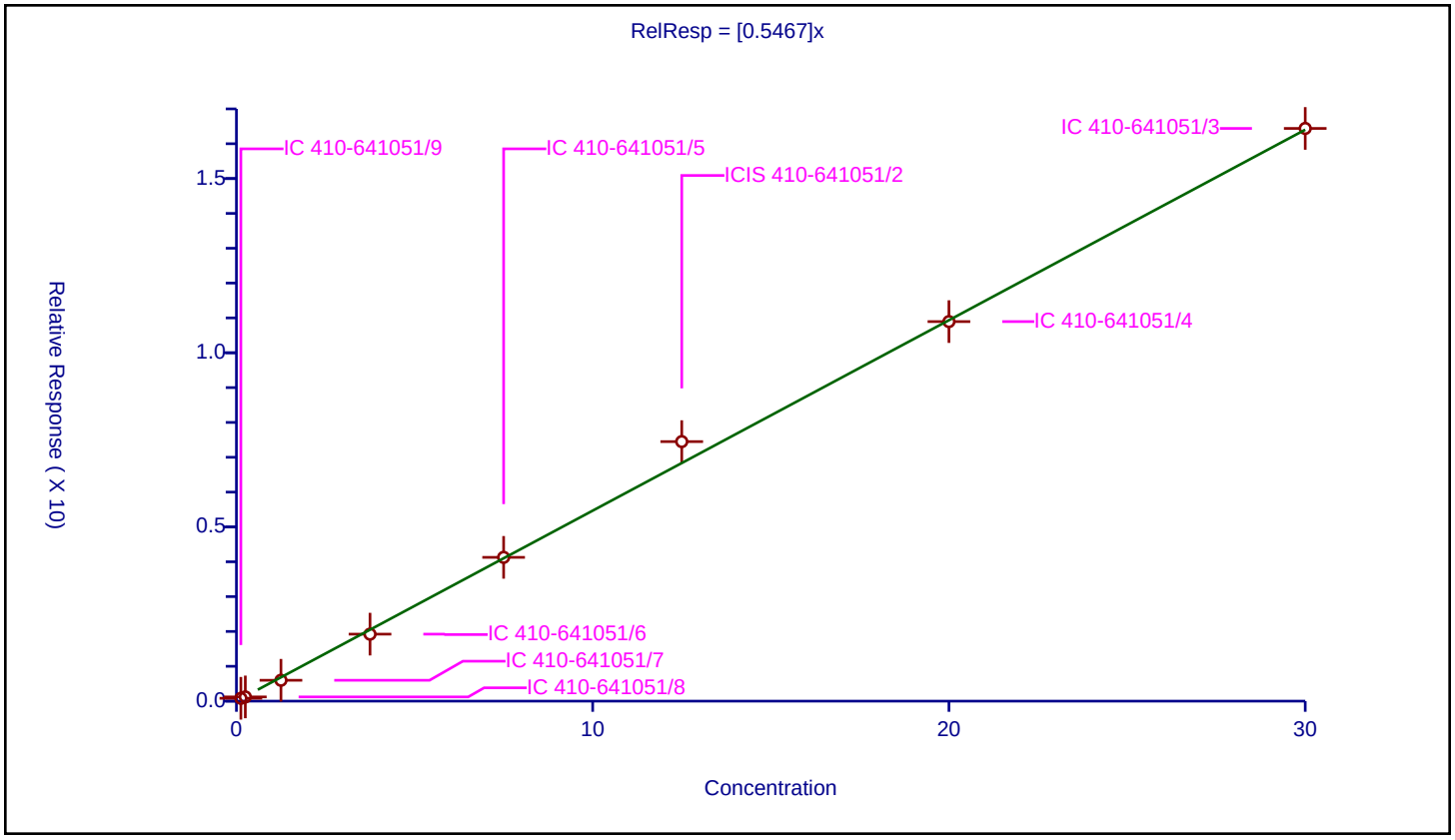
Curve Coefficients

Intercept:	0
Slope:	0.5467

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.082172	5.0	379811.0	0.65738	Y
2	IC 410-641051/8	0.25	0.12142	5.0	385891.0	0.485681	Y
3	IC 410-641051/7	1.25	0.598833	5.0	394242.0	0.479066	Y
4	IC 410-641051/6	3.75	1.922912	5.0	424307.0	0.512777	Y
5	IC 410-641051/5	7.5	4.127517	5.0	403979.0	0.550336	Y
6	ICIS 410-641051/2	12.5	7.449488	5.0	463358.0	0.595959	Y
7	IC 410-641051/4	20.0	10.894521	5.0	437793.0	0.544726	Y
8	IC 410-641051/3	30.0	16.438506	5.0	411545.0	0.54795	Y



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Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

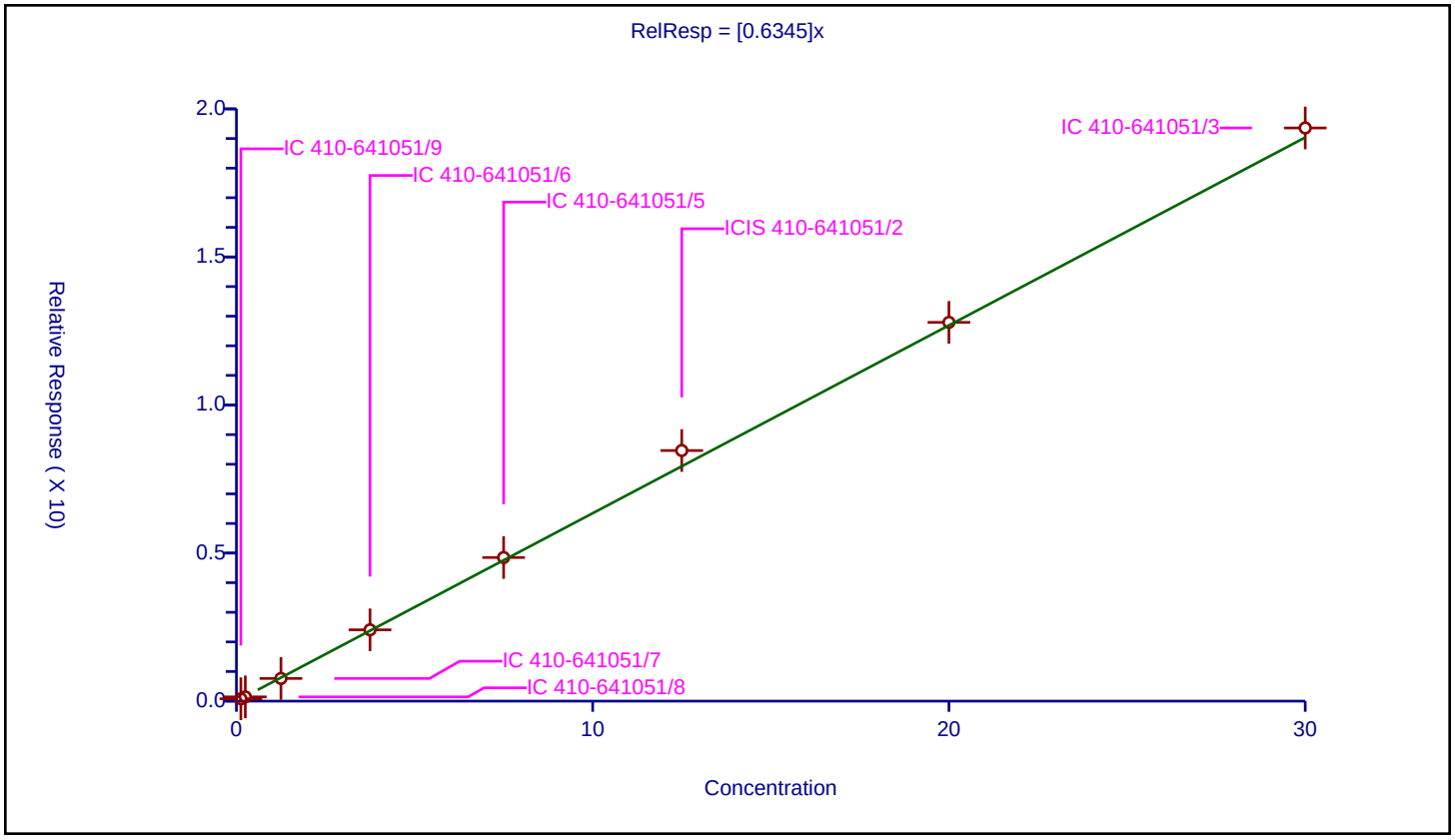
Curve Coefficients

Intercept:	0
Slope:	0.6345

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.079763	5.0	379811.0	0.638107	Y
2	IC 410-641051/8	0.25	0.143758	5.0	385891.0	0.575033	Y
3	IC 410-641051/7	1.25	0.765469	5.0	394242.0	0.612375	Y
4	IC 410-641051/6	3.75	2.408233	5.0	424307.0	0.642195	Y
5	IC 410-641051/5	7.5	4.849943	5.0	403979.0	0.646659	Y
6	ICIS 410-641051/2	12.5	8.462808	5.0	463358.0	0.677025	Y
7	IC 410-641051/4	20.0	12.79084	5.0	437793.0	0.639542	Y
8	IC 410-641051/3	30.0	19.356036	5.0	411545.0	0.645201	Y



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Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

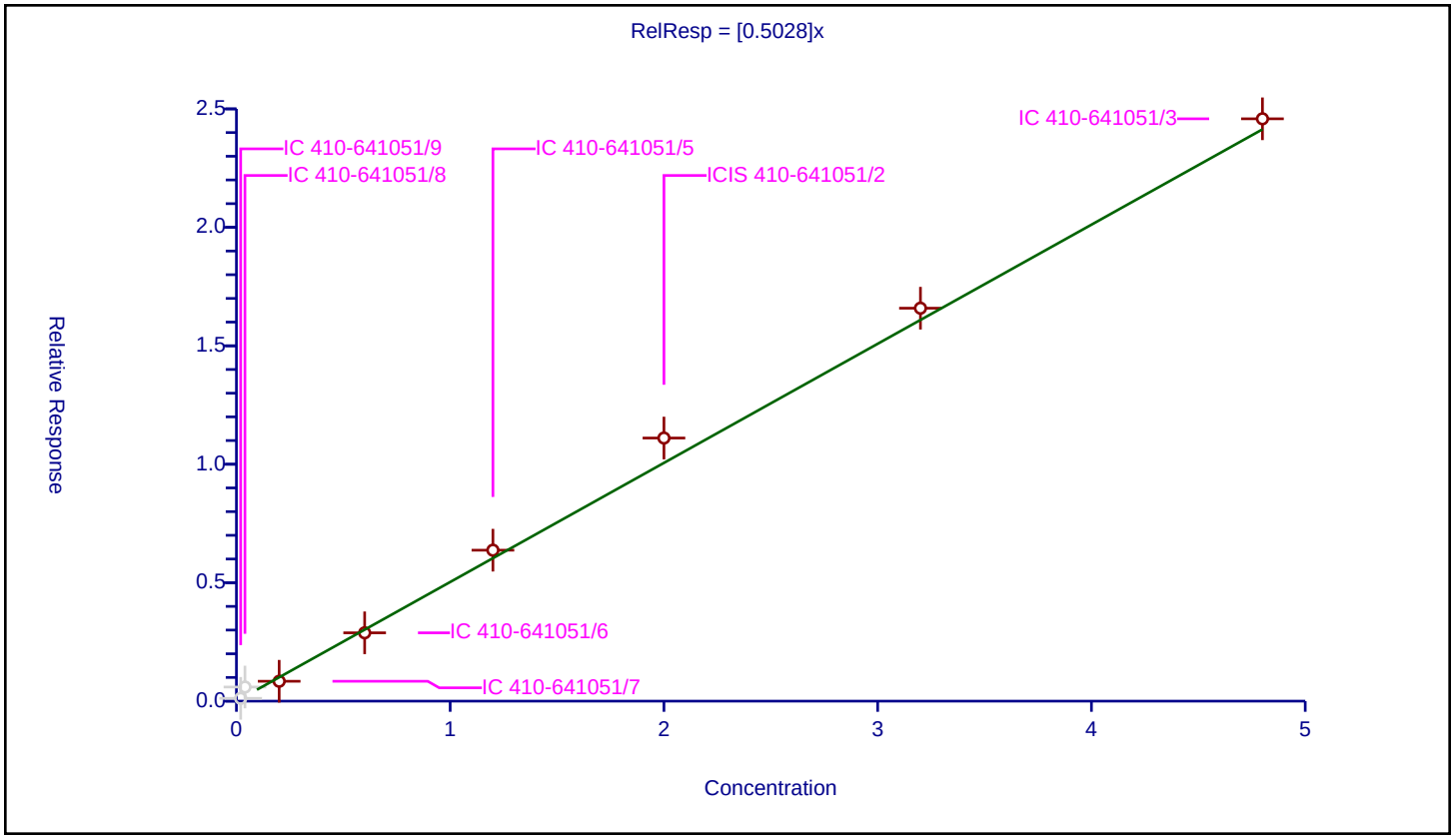
Curve Coefficients

Intercept:	0
Slope:	0.5028

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.02	0.011782	5.0	379811.0	0.589109	N
2	IC 410-641051/8	0.04	0.059576	5.0	385891.0	1.48941	N
3	IC 410-641051/7	0.2	0.083882	5.0	394242.0	0.419412	Y
4	IC 410-641051/6	0.6	0.288411	5.0	424307.0	0.480686	Y
5	IC 410-641051/5	1.2	0.637236	5.0	403979.0	0.53103	Y
6	ICIS 410-641051/2	2.0	1.110642	5.0	463358.0	0.555321	Y
7	IC 410-641051/4	3.2	1.658752	5.0	437793.0	0.51836	Y
8	IC 410-641051/3	4.8	2.458127	5.0	411545.0	0.51211	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

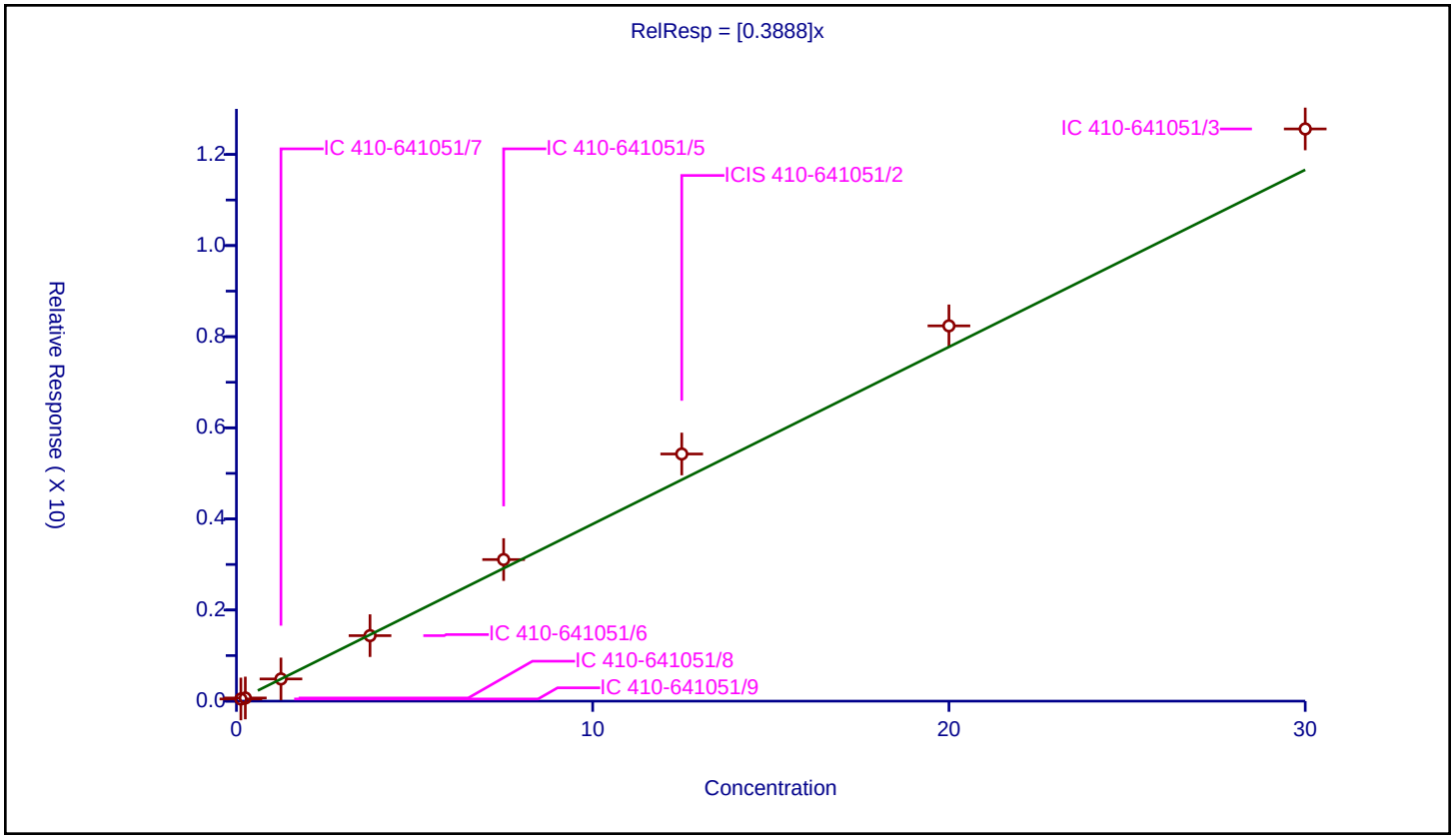
Curve Coefficients

Intercept:	0
Slope:	0.3888

Error Coefficients

Relative Standard Deviation:	12.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.047642	5.0	379811.0	0.381137	Y
2	IC 410-641051/8	0.25	0.069216	5.0	385891.0	0.276866	Y
3	IC 410-641051/7	1.25	0.487125	5.0	394242.0	0.3897	Y
4	IC 410-641051/6	3.75	1.438145	5.0	424307.0	0.383505	Y
5	IC 410-641051/5	7.5	3.107637	5.0	403979.0	0.414352	Y
6	ICIS 410-641051/2	12.5	5.425103	5.0	463358.0	0.434008	Y
7	IC 410-641051/4	20.0	8.23774	5.0	437793.0	0.411887	Y
8	IC 410-641051/3	30.0	12.559586	5.0	411545.0	0.418653	Y



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Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

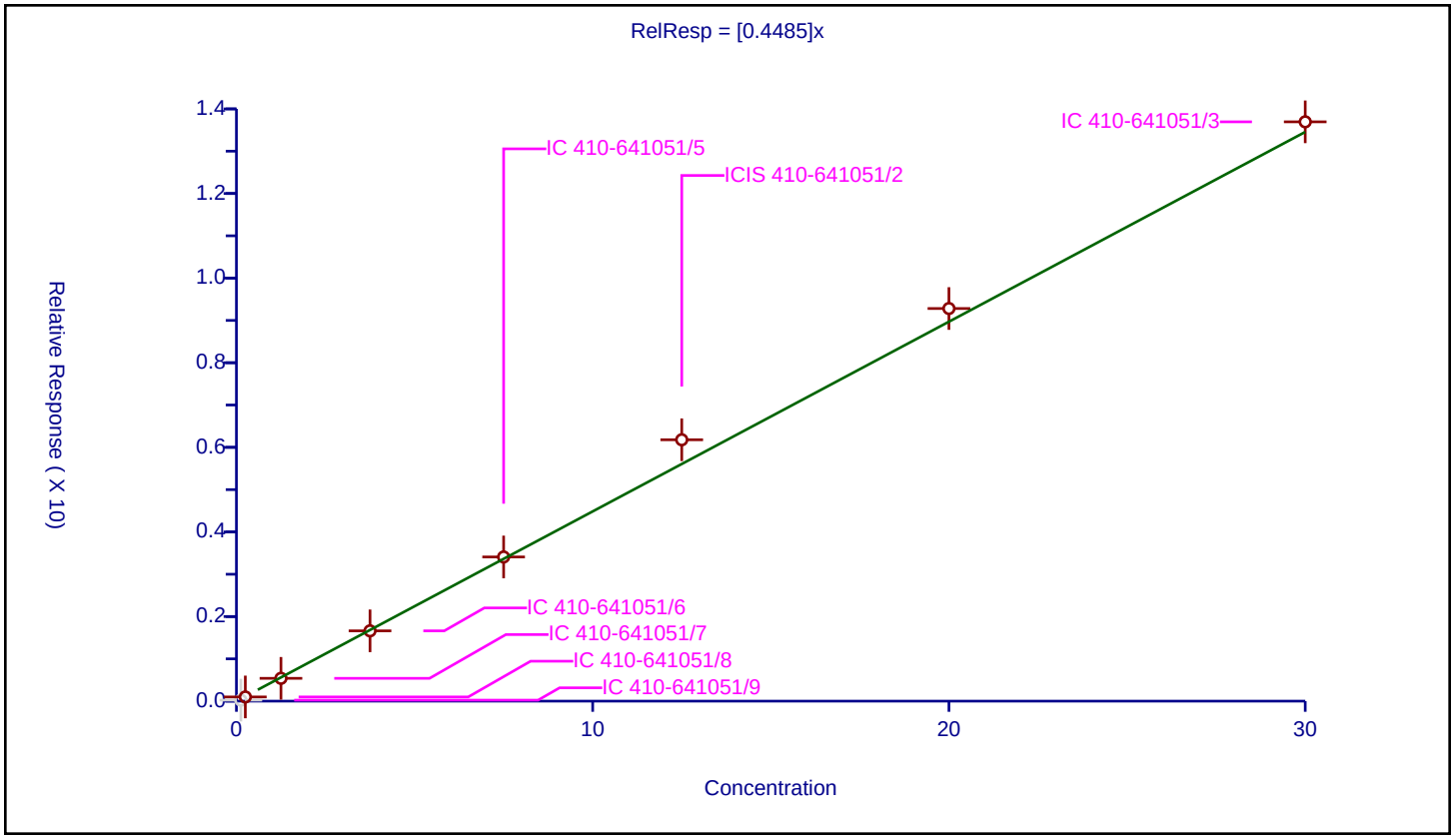
Curve Coefficients

Intercept:	0
Slope:	0.4485

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.023893	5.0	379811.0	0.191148	N
2	IC 410-641051/8	0.25	0.098862	5.0	385891.0	0.395448	Y
3	IC 410-641051/7	1.25	0.53944	5.0	394242.0	0.431552	Y
4	IC 410-641051/6	3.75	1.661545	5.0	424307.0	0.443079	Y
5	IC 410-641051/5	7.5	3.408333	5.0	403979.0	0.454444	Y
6	ICIS 410-641051/2	12.5	6.178247	5.0	463358.0	0.49426	Y
7	IC 410-641051/4	20.0	9.281418	5.0	437793.0	0.464071	Y
8	IC 410-641051/3	30.0	13.69431	5.0	411545.0	0.456477	Y



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Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

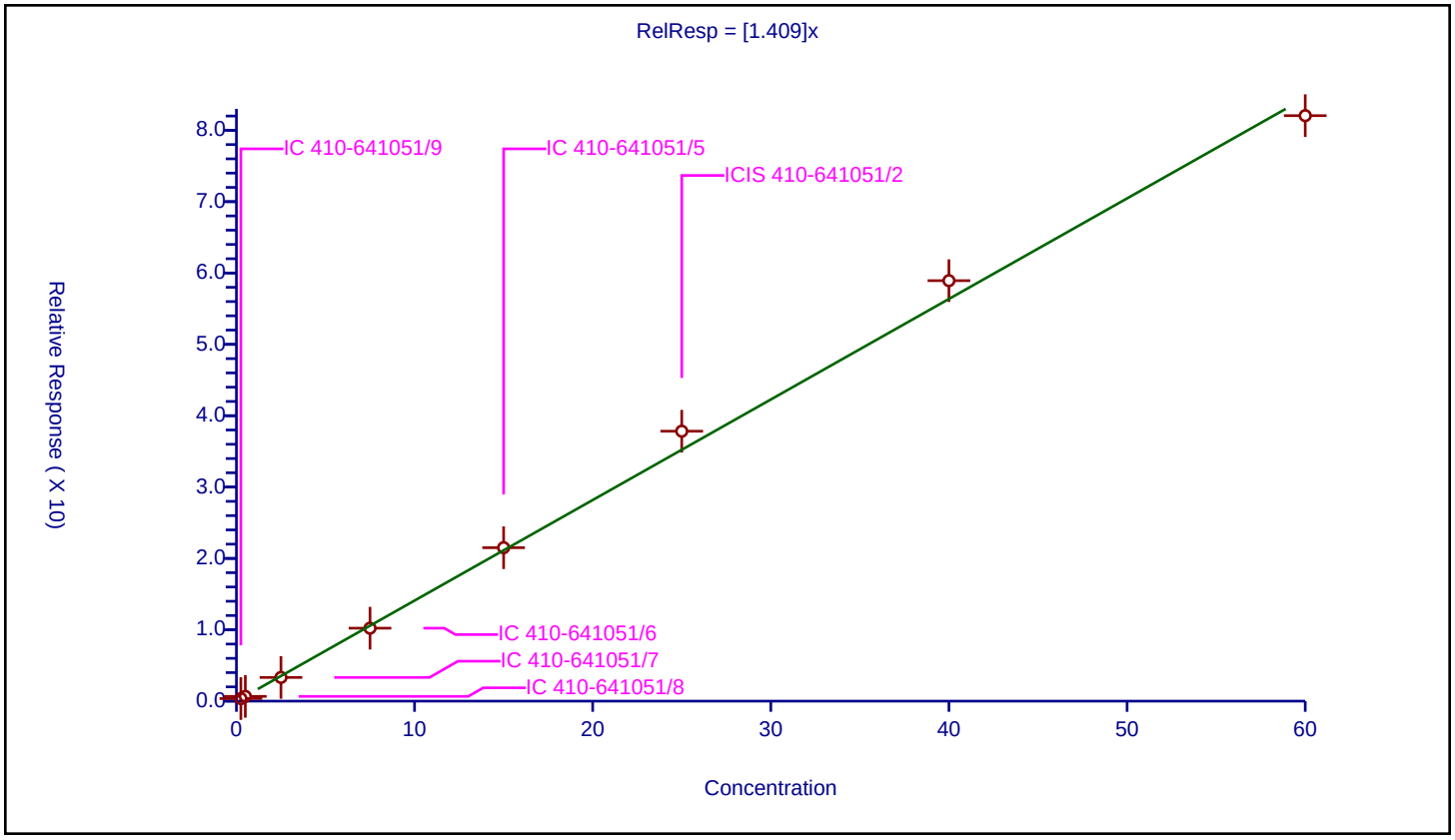
Curve Coefficients

Intercept:	0
Slope:	1.409

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.365379	5.0	379811.0	1.461516	Y
2	IC 410-641051/8	0.5	0.665952	5.0	385891.0	1.331905	Y
3	IC 410-641051/7	2.5	3.320435	5.0	394242.0	1.328174	Y
4	IC 410-641051/6	7.5	10.226687	5.0	424307.0	1.363558	Y
5	IC 410-641051/5	15.0	21.505425	5.0	403979.0	1.433695	Y
6	ICIS 410-641051/2	25.0	37.832939	5.0	463358.0	1.513318	Y
7	IC 410-641051/4	40.0	58.926879	5.0	437793.0	1.473172	Y
8	IC 410-641051/3	60.0	82.050699	5.0	411545.0	1.367512	Y



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Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

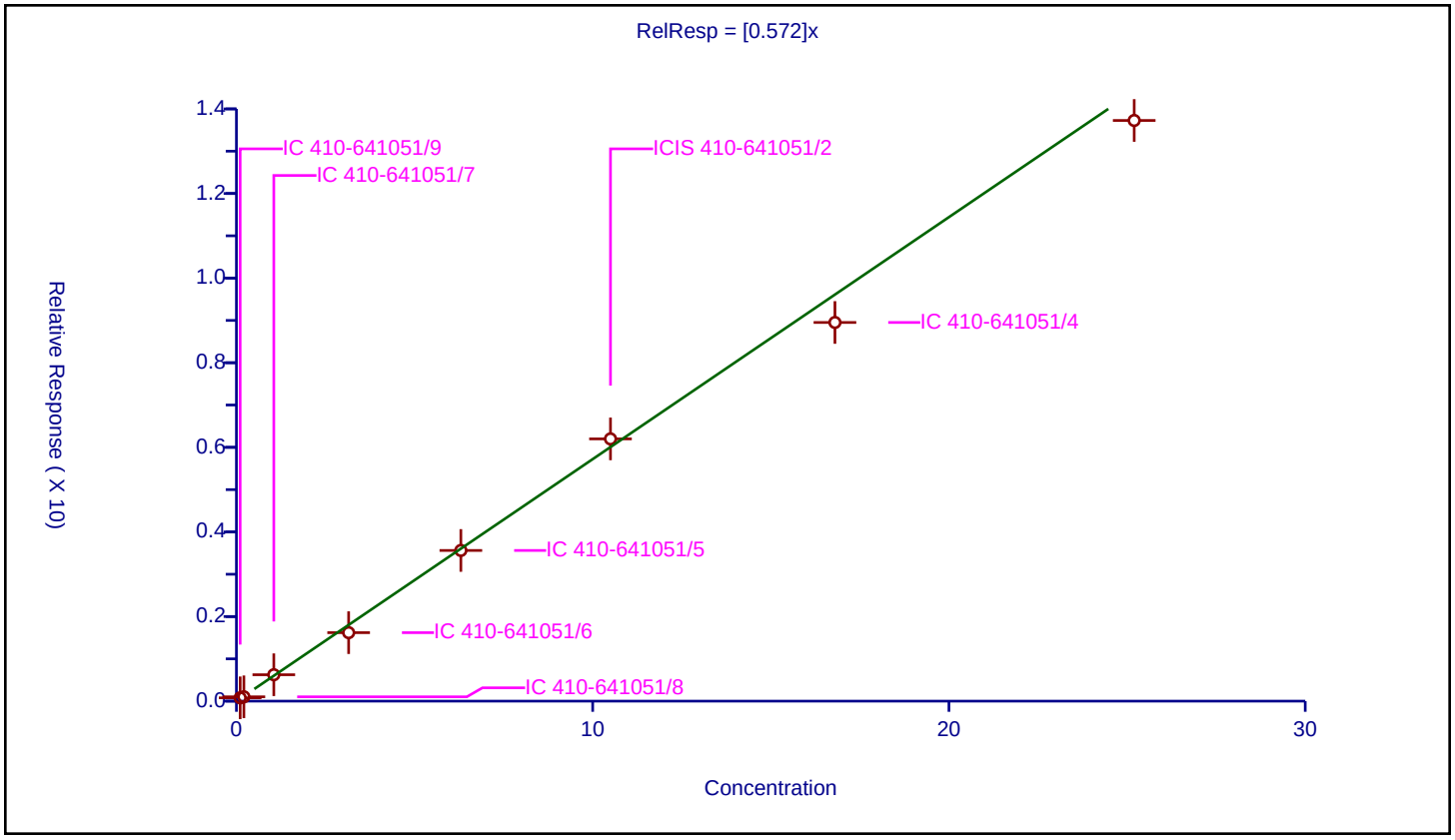
Curve Coefficients

Intercept:	0
Slope:	0.572

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.105	0.078355	5.0	379811.0	0.746236	Y
2	IC 410-641051/8	0.21	0.102568	5.0	385891.0	0.488418	Y
3	IC 410-641051/7	1.05	0.624236	5.0	394242.0	0.59451	Y
4	IC 410-641051/6	3.15	1.618851	5.0	424307.0	0.513921	Y
5	IC 410-641051/5	6.3	3.561943	5.0	403979.0	0.565388	Y
6	ICIS 410-641051/2	10.5	6.199289	5.0	463358.0	0.590408	Y
7	IC 410-641051/4	16.8	8.951182	5.0	437793.0	0.532808	Y
8	IC 410-641051/3	25.2	13.726045	5.0	411545.0	0.544684	Y



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Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

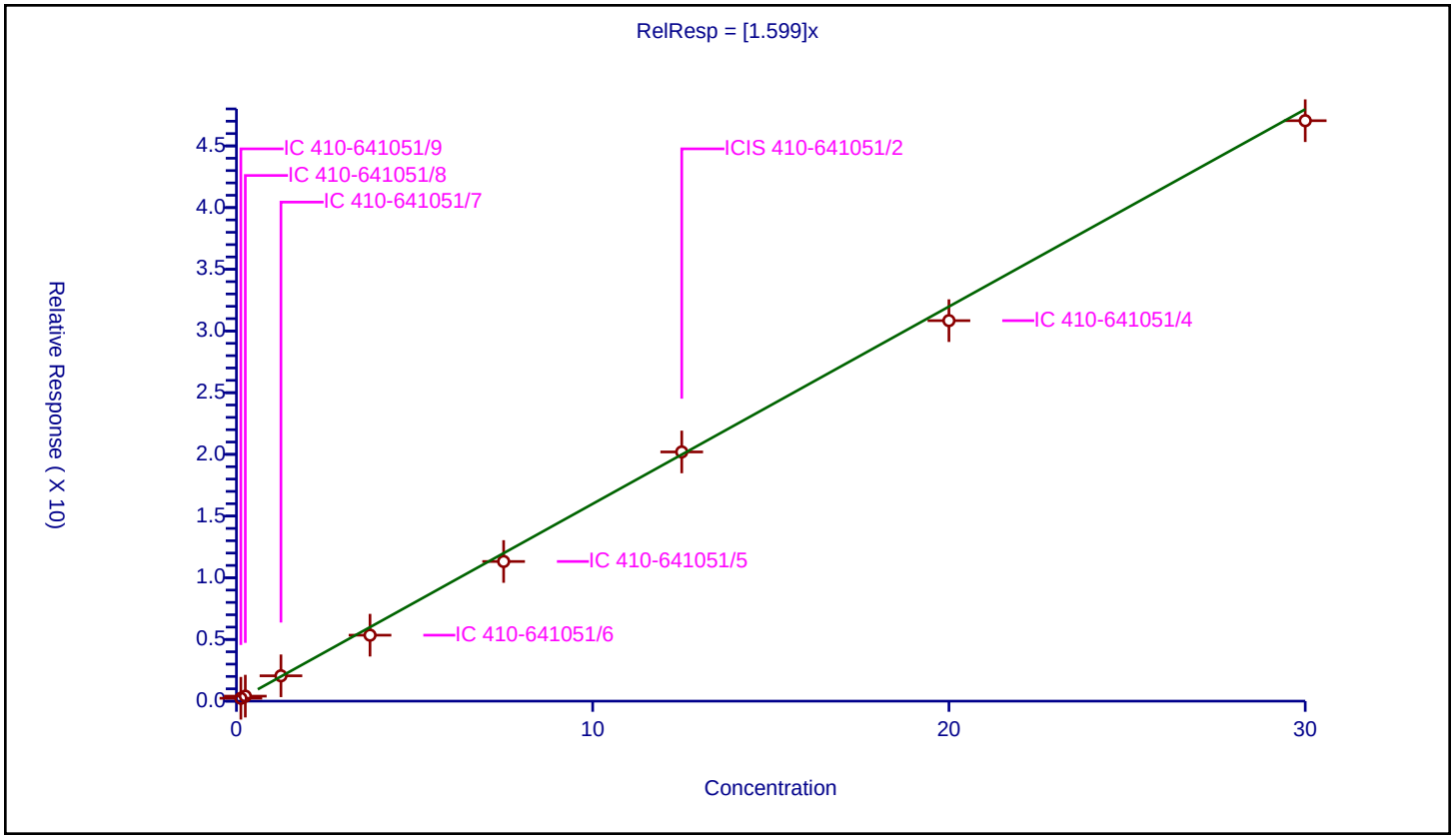
Curve Coefficients

Intercept:	0
Slope:	1.599

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.233524	5.0	379811.0	1.868192	Y
2	IC 410-641051/8	0.25	0.40479	5.0	385891.0	1.619162	Y
3	IC 410-641051/7	1.25	2.053561	5.0	394242.0	1.642849	Y
4	IC 410-641051/6	3.75	5.345929	5.0	424307.0	1.425581	Y
5	IC 410-641051/5	7.5	11.318856	5.0	403979.0	1.509181	Y
6	ICIS 410-641051/2	12.5	20.198108	5.0	463358.0	1.615849	Y
7	IC 410-641051/4	20.0	30.839438	5.0	437793.0	1.541972	Y
8	IC 410-641051/3	30.0	47.042632	5.0	411545.0	1.568088	Y



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Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

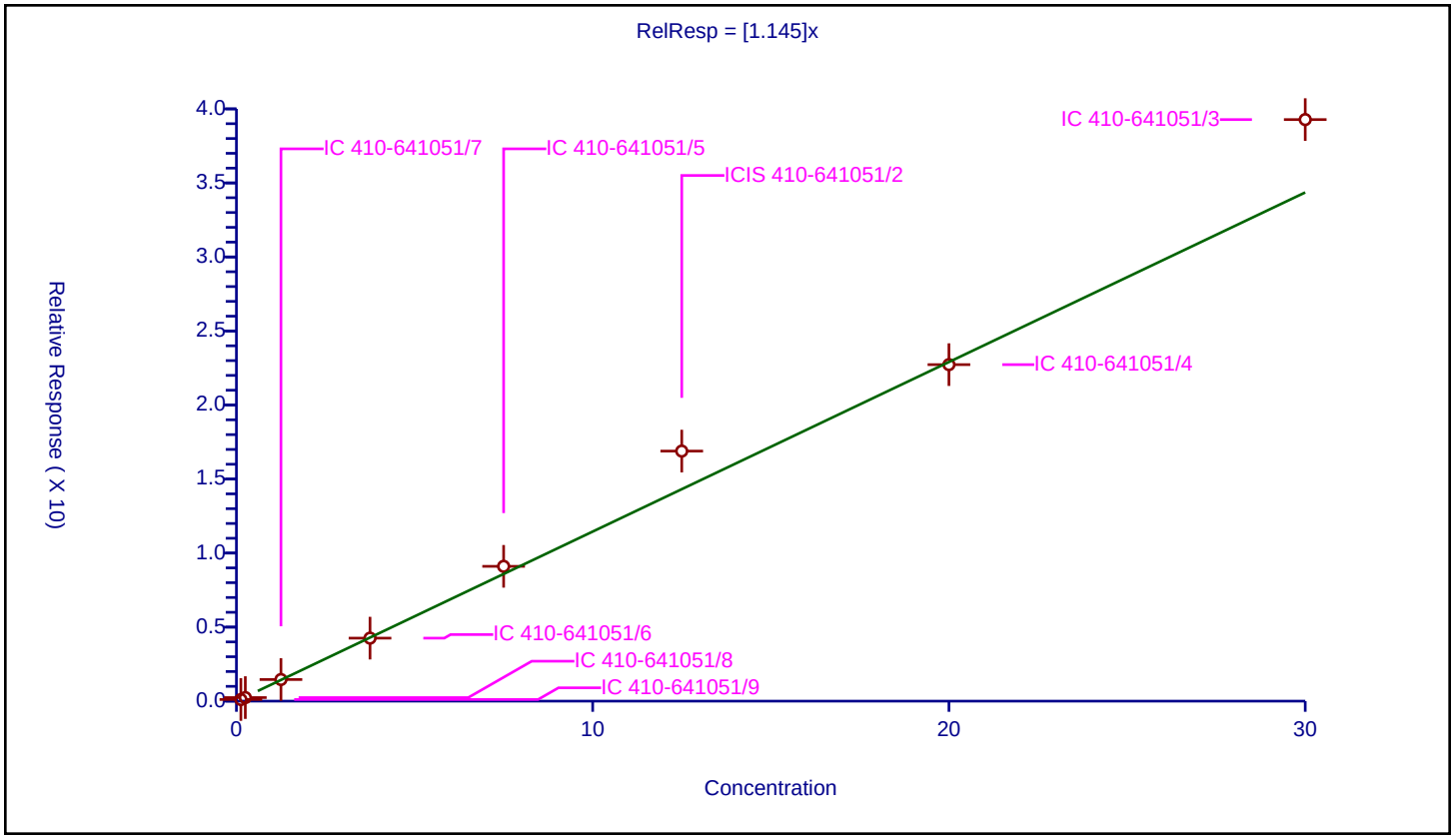
Curve Coefficients

Intercept:	0
Slope:	1.145

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.111121	5.0	379811.0	0.888968	Y
2	IC 410-641051/8	0.25	0.239848	5.0	385891.0	0.95939	Y
3	IC 410-641051/7	1.25	1.4597	5.0	394242.0	1.16776	Y
4	IC 410-641051/6	3.75	4.25528	5.0	424307.0	1.134741	Y
5	IC 410-641051/5	7.5	9.105622	5.0	403979.0	1.214083	Y
6	ICIS 410-641051/2	12.5	16.887925	5.0	463358.0	1.351034	Y
7	IC 410-641051/4	20.0	22.728276	5.0	437793.0	1.136414	Y
8	IC 410-641051/3	30.0	39.27726	5.0	411545.0	1.309242	Y



Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

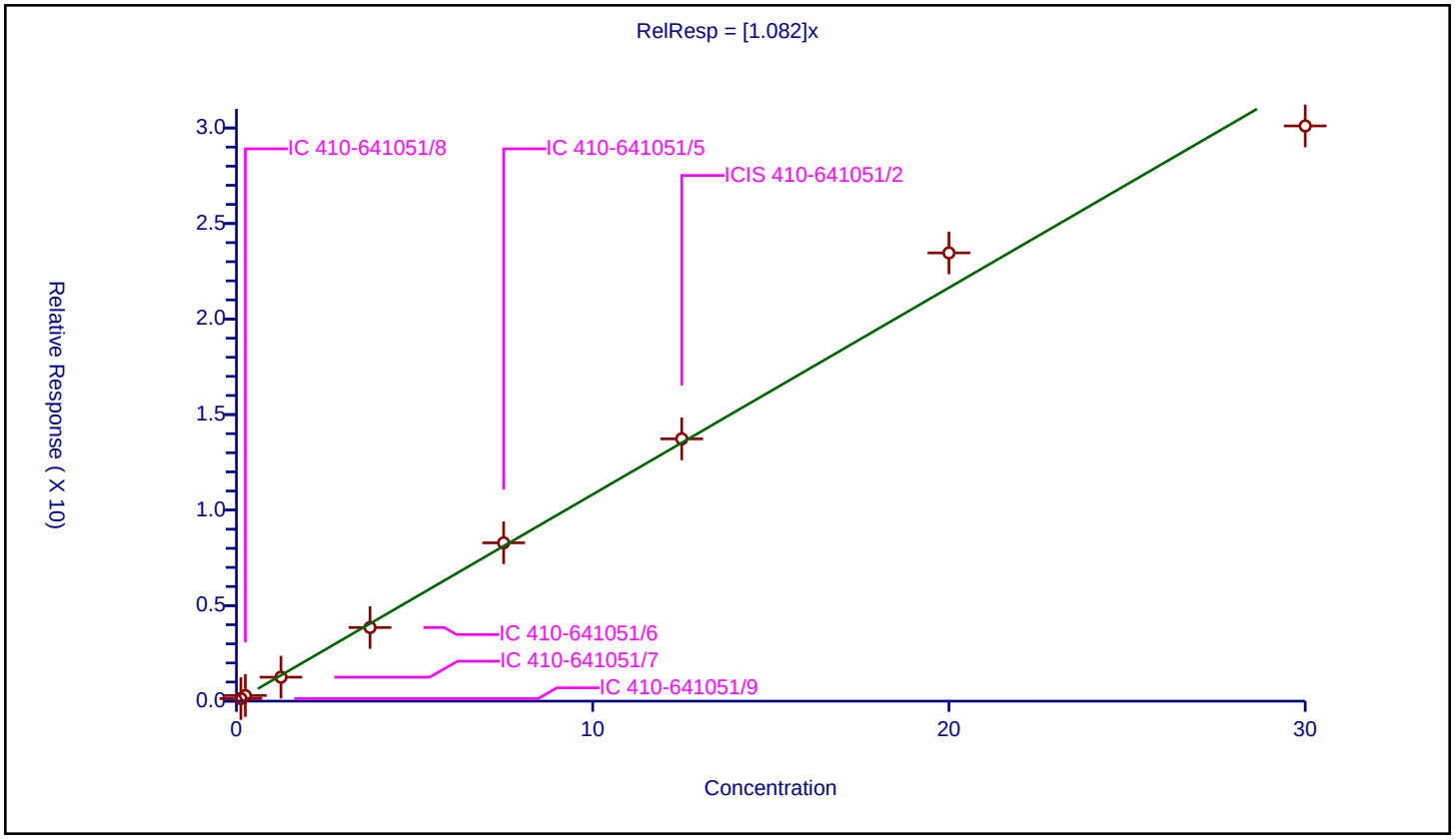
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133988	5.0	379811.0	1.071902	Y
2	IC 410-641051/8	0.25	0.293256	5.0	385891.0	1.173026	Y
3	IC 410-641051/7	1.25	1.254572	5.0	394242.0	1.003658	Y
4	IC 410-641051/6	3.75	3.85313	5.0	424307.0	1.027501	Y
5	IC 410-641051/5	7.5	8.287015	5.0	403979.0	1.104935	Y
6	ICIS 410-641051/2	12.5	13.72905	5.0	463358.0	1.098324	Y
7	IC 410-641051/4	20.0	23.461567	5.0	437793.0	1.173078	Y
8	IC 410-641051/3	30.0	30.1074	5.0	411545.0	1.00358	Y



Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

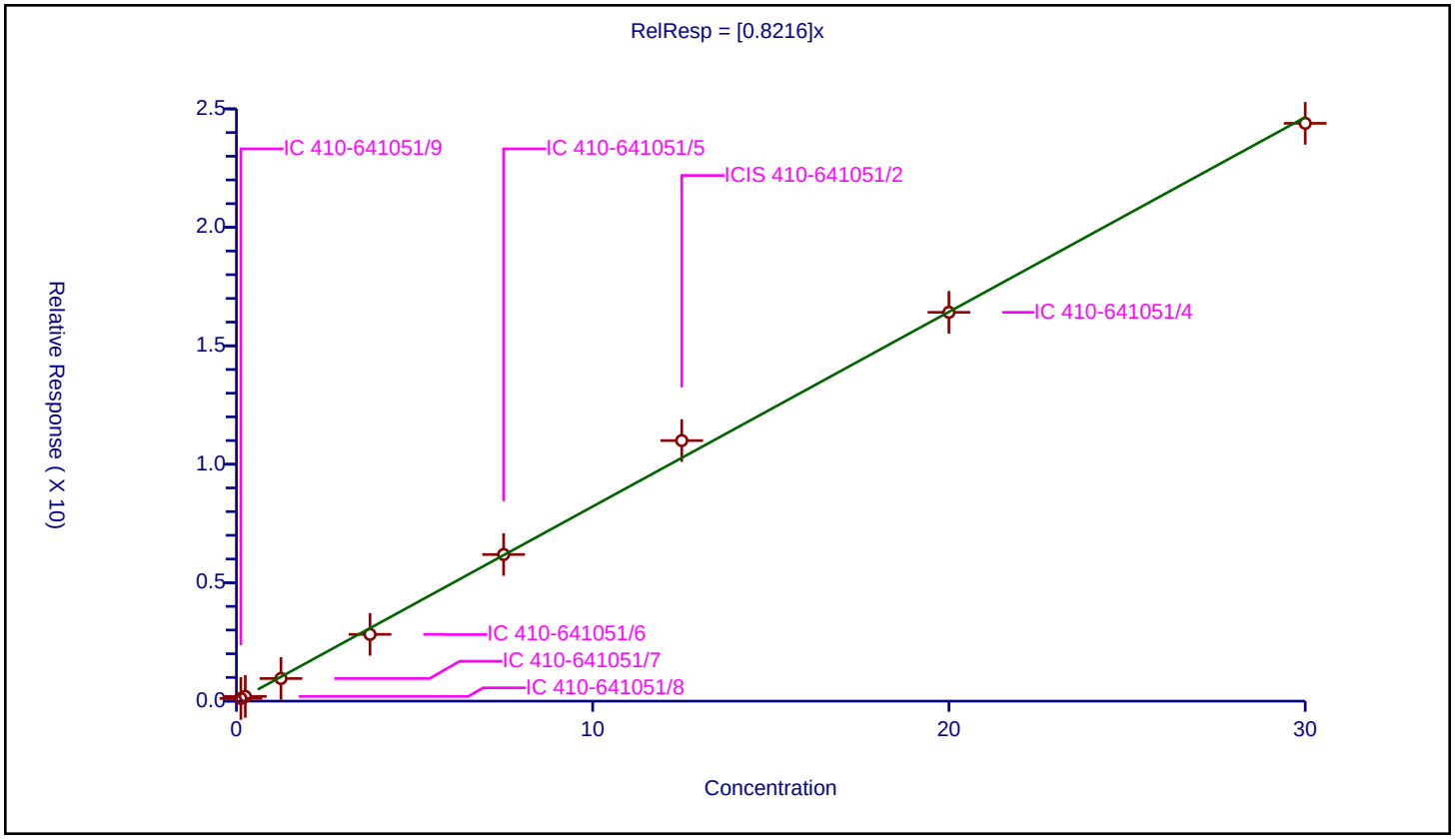
Curve Coefficients

Intercept:	0
Slope:	0.8216

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.114649	5.0	379811.0	0.917193	Y
2	IC 410-641051/8	0.25	0.200225	5.0	385891.0	0.8009	Y
3	IC 410-641051/7	1.25	0.955352	5.0	394242.0	0.764282	Y
4	IC 410-641051/6	3.75	2.817488	5.0	424307.0	0.75133	Y
5	IC 410-641051/5	7.5	6.190111	5.0	403979.0	0.825348	Y
6	ICIS 410-641051/2	12.5	10.99886	5.0	463358.0	0.879909	Y
7	IC 410-641051/4	20.0	16.412631	5.0	437793.0	0.820632	Y
8	IC 410-641051/3	30.0	24.39099	5.0	411545.0	0.813033	Y



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Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

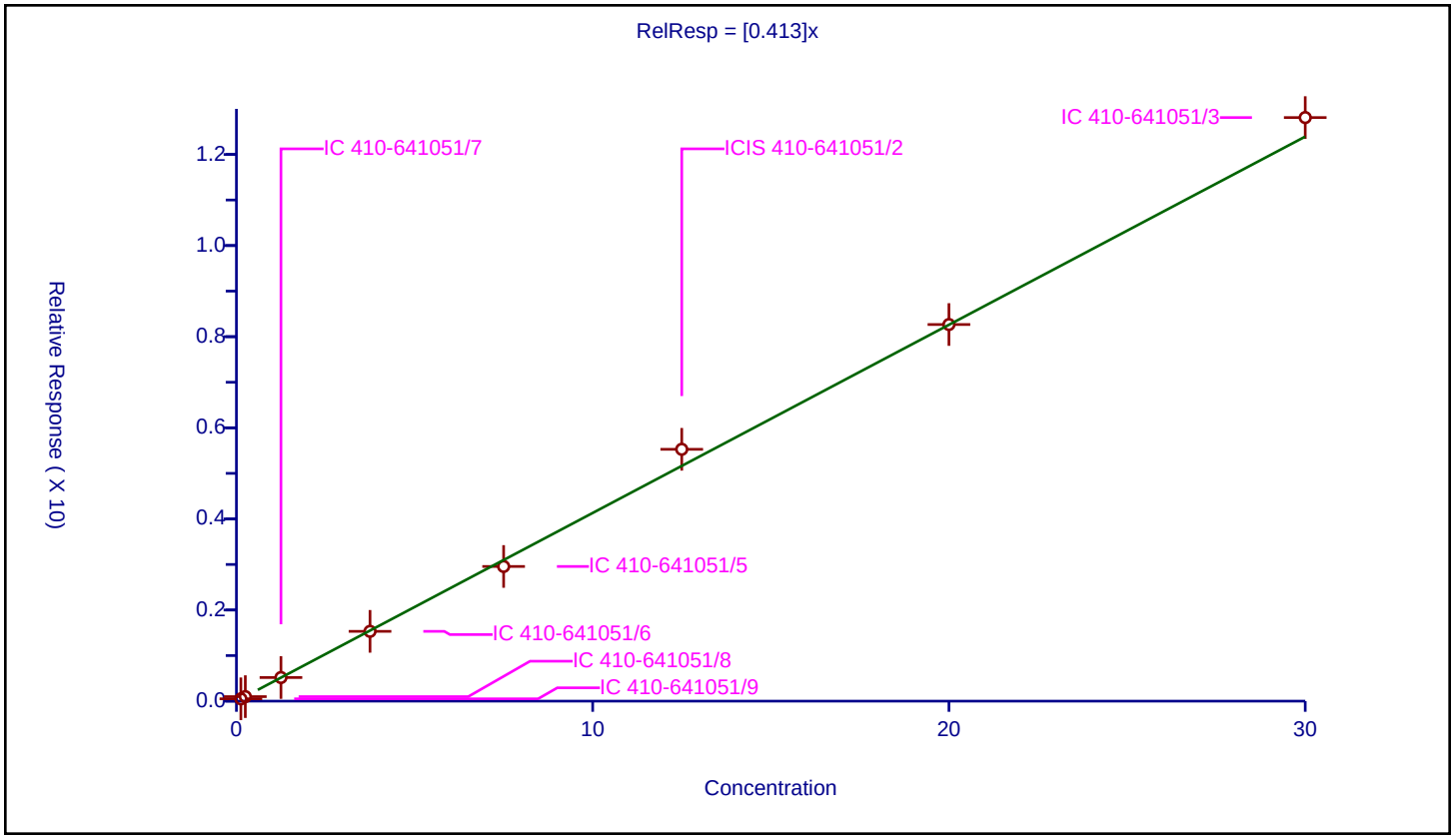
Curve Coefficients

Intercept:	0
Slope:	0.413

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.051012	5.0	379811.0	0.408098	Y
2	IC 410-641051/8	0.25	0.099134	5.0	385891.0	0.396537	Y
3	IC 410-641051/7	1.25	0.518019	5.0	394242.0	0.414416	Y
4	IC 410-641051/6	3.75	1.532145	5.0	424307.0	0.408572	Y
5	IC 410-641051/5	7.5	2.956416	5.0	403979.0	0.394189	Y
6	ICIS 410-641051/2	12.5	5.52808	5.0	463358.0	0.442246	Y
7	IC 410-641051/4	20.0	8.266864	5.0	437793.0	0.413343	Y
8	IC 410-641051/3	30.0	12.809547	5.0	411545.0	0.426985	Y



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Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

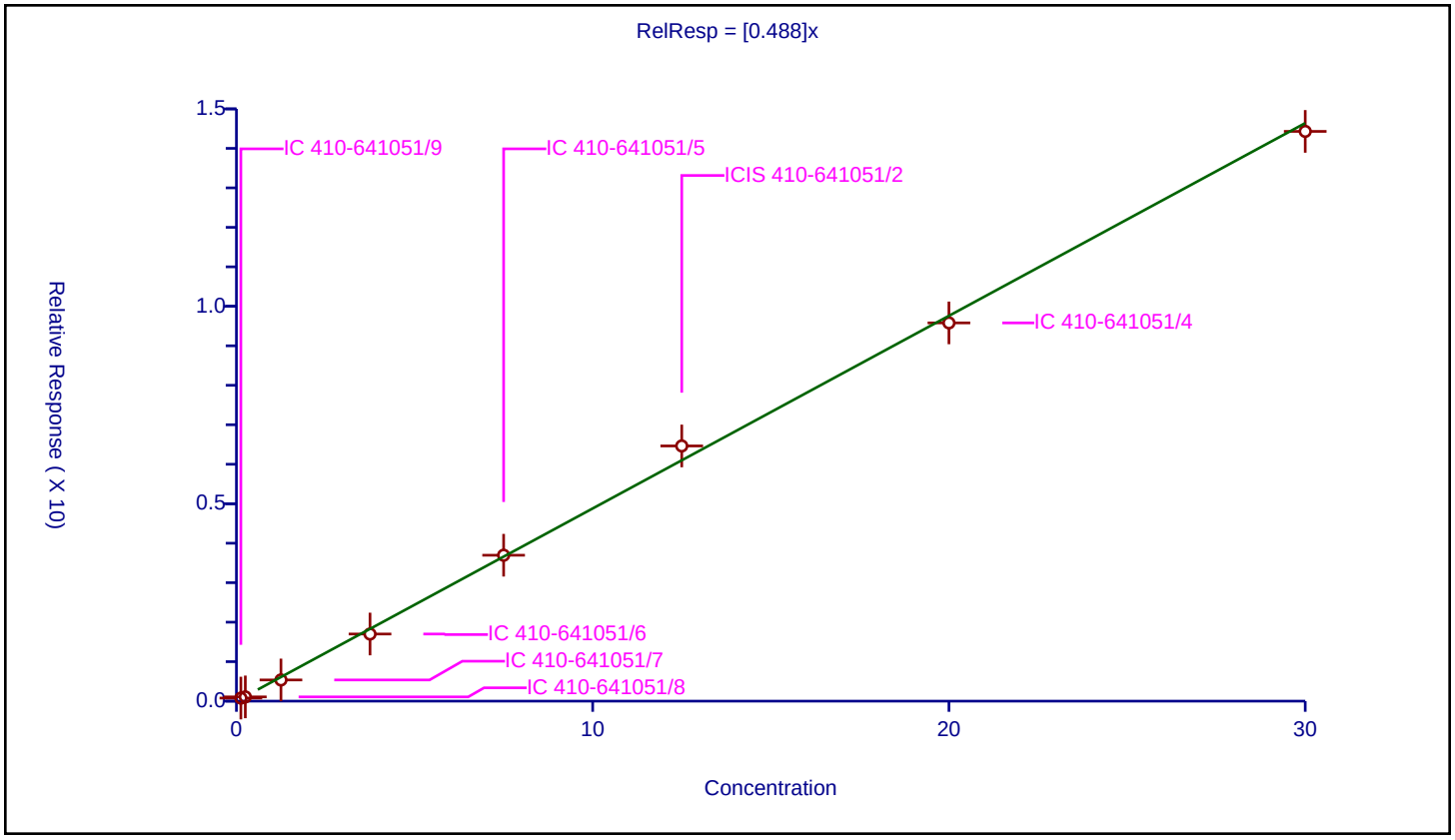
Curve Coefficients

Intercept:	0
Slope:	0.488

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.077631	5.0	379811.0	0.621046	Y
2	IC 410-641051/8	0.25	0.107595	5.0	385891.0	0.430381	Y
3	IC 410-641051/7	1.25	0.536434	5.0	394242.0	0.429148	Y
4	IC 410-641051/6	3.75	1.70016	5.0	424307.0	0.453376	Y
5	IC 410-641051/5	7.5	3.69539	5.0	403979.0	0.492719	Y
6	ICIS 410-641051/2	12.5	6.463091	5.0	463358.0	0.517047	Y
7	IC 410-641051/4	20.0	9.579893	5.0	437793.0	0.478995	Y
8	IC 410-641051/3	30.0	14.429989	5.0	411545.0	0.481	Y



Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

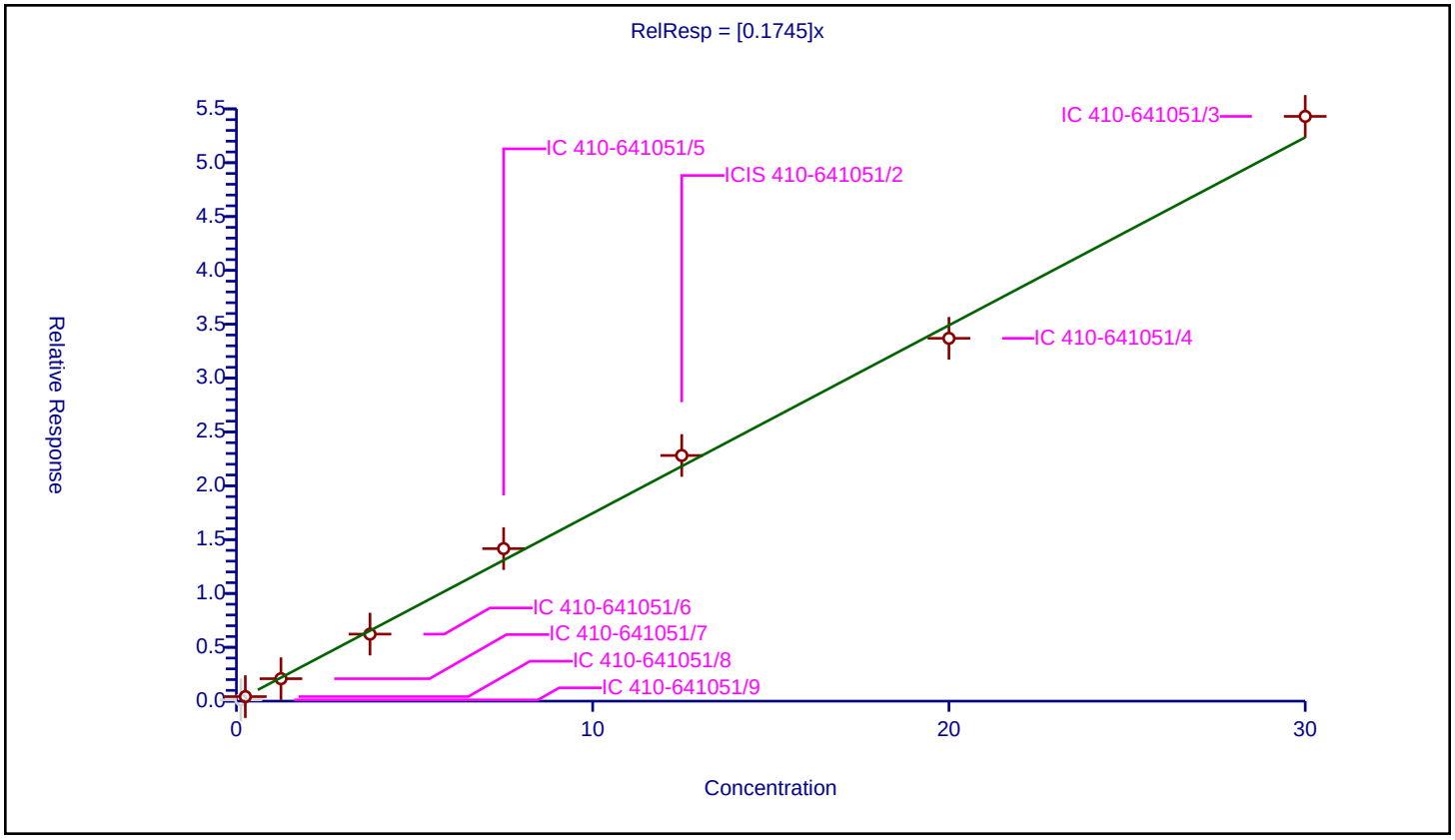
Curve Coefficients

Intercept:	0
Slope:	0.1745

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011782	5.0	379811.0	0.094257	N
2	IC 410-641051/8	0.25	0.042007	5.0	385891.0	0.168027	Y
3	IC 410-641051/7	1.25	0.208476	5.0	394242.0	0.166781	Y
4	IC 410-641051/6	3.75	0.622403	5.0	424307.0	0.165974	Y
5	IC 410-641051/5	7.5	1.416324	5.0	403979.0	0.188843	Y
6	ICIS 410-641051/2	12.5	2.2814	5.0	463358.0	0.182512	Y
7	IC 410-641051/4	20.0	3.369481	5.0	437793.0	0.168474	Y
8	IC 410-641051/3	30.0	5.43039	5.0	411545.0	0.181013	Y



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Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

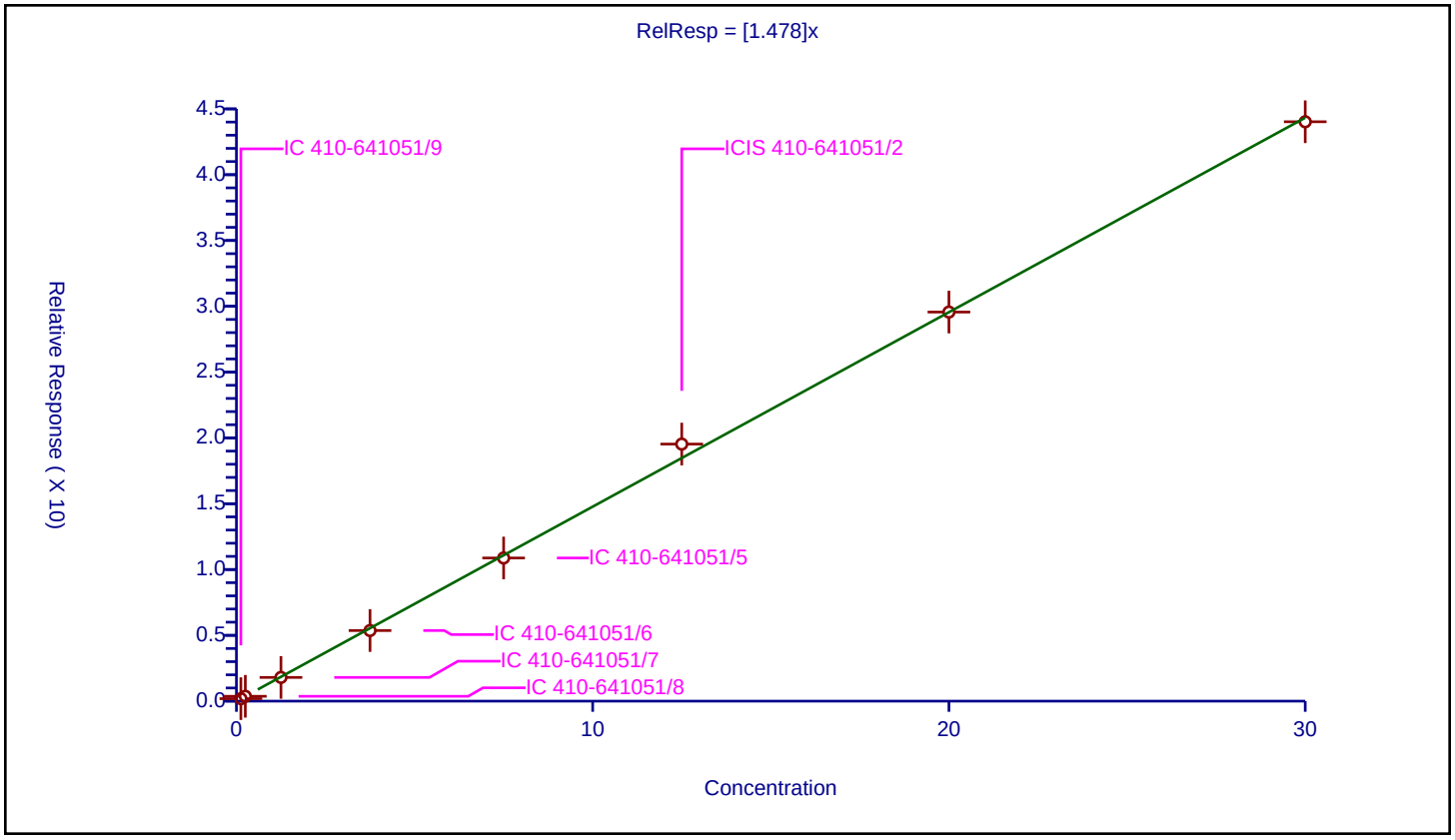
Curve Coefficients

Intercept:	0
Slope:	1.478

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.189581	5.0	379811.0	1.516649	Y
2	IC 410-641051/8	0.25	0.368601	5.0	385891.0	1.474406	Y
3	IC 410-641051/7	1.25	1.801901	5.0	394242.0	1.441521	Y
4	IC 410-641051/6	3.75	5.363122	5.0	424307.0	1.430166	Y
5	IC 410-641051/5	7.5	10.876766	5.0	403979.0	1.450235	Y
6	ICIS 410-641051/2	12.5	19.530849	5.0	463358.0	1.562468	Y
7	IC 410-641051/4	20.0	29.563664	5.0	437793.0	1.478183	Y
8	IC 410-641051/3	30.0	44.021966	5.0	411545.0	1.467399	Y



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Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

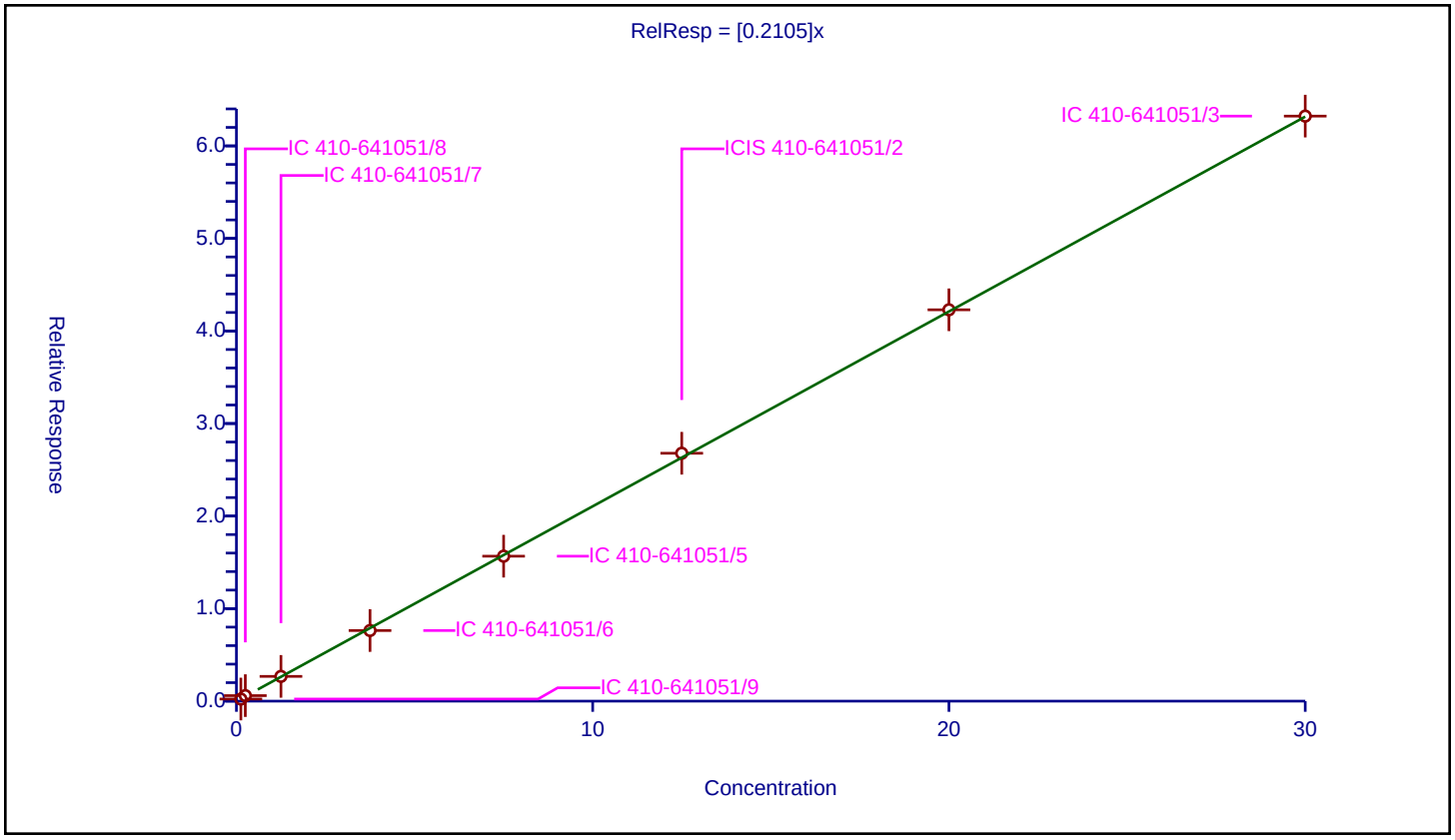
Curve Coefficients

Intercept:	0
Slope:	0.2105

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.022814	5.0	379811.0	0.182512	Y
2	IC 410-641051/8	0.25	0.059693	5.0	385891.0	0.238772	Y
3	IC 410-641051/7	1.25	0.267589	5.0	394242.0	0.214072	Y
4	IC 410-641051/6	3.75	0.763256	5.0	424307.0	0.203535	Y
5	IC 410-641051/5	7.5	1.566344	5.0	403979.0	0.208846	Y
6	ICIS 410-641051/2	12.5	2.67876	5.0	463358.0	0.214301	Y
7	IC 410-641051/4	20.0	4.228882	5.0	437793.0	0.211444	Y
8	IC 410-641051/3	30.0	6.322091	5.0	411545.0	0.210736	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

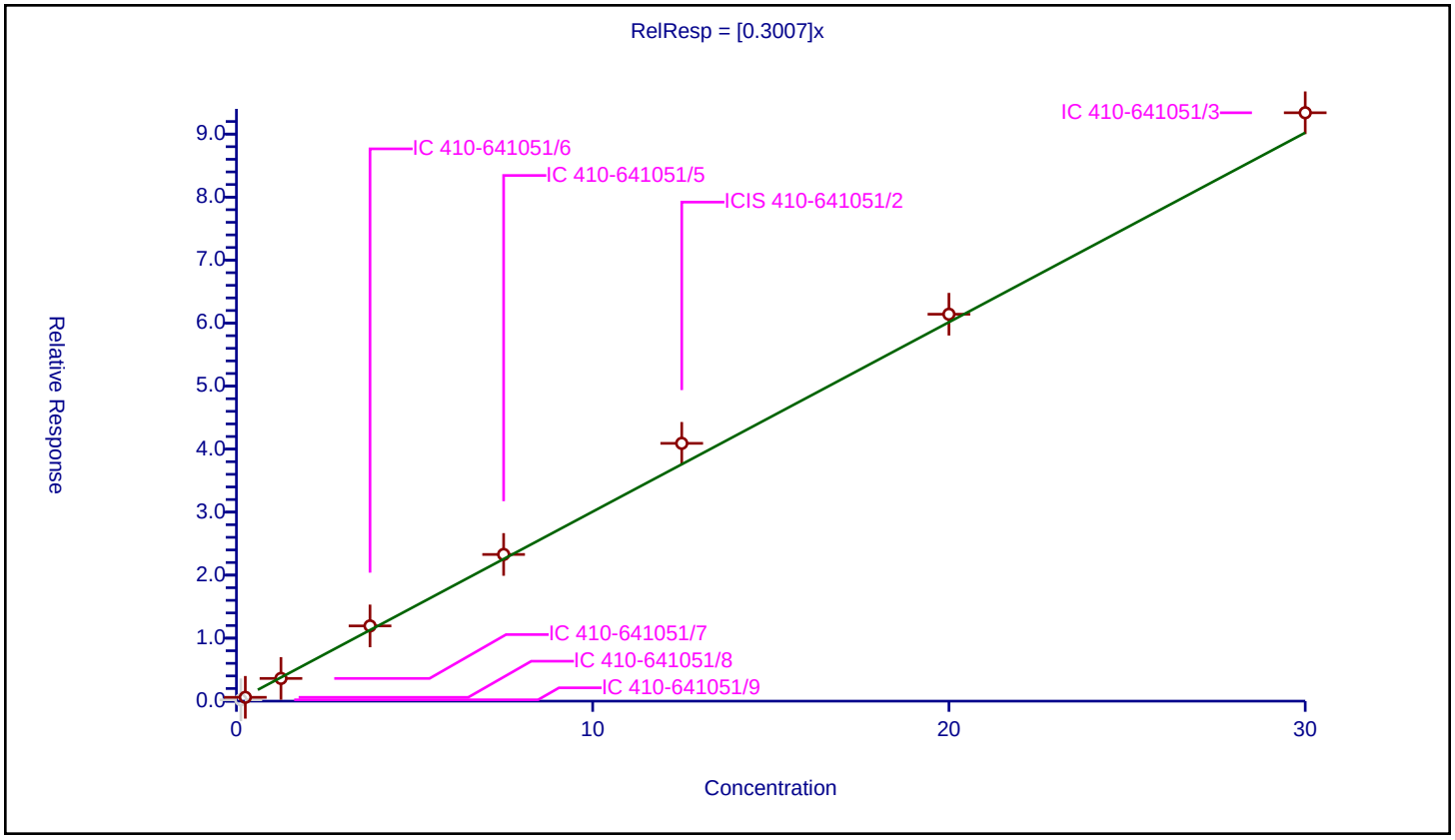
Curve Coefficients

Intercept:	0
Slope:	0.3007

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.021419	5.0	379811.0	0.171348	N
2	IC 410-641051/8	0.25	0.060535	5.0	385891.0	0.242141	Y
3	IC 410-641051/7	1.25	0.360578	5.0	394242.0	0.288462	Y
4	IC 410-641051/6	3.75	1.194065	5.0	424307.0	0.318417	Y
5	IC 410-641051/5	7.5	2.328252	5.0	403979.0	0.310434	Y
6	ICIS 410-641051/2	12.5	4.09189	5.0	463358.0	0.327351	Y
7	IC 410-641051/4	20.0	6.141019	5.0	437793.0	0.307051	Y
8	IC 410-641051/3	30.0	9.338796	5.0	411545.0	0.311293	Y



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Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

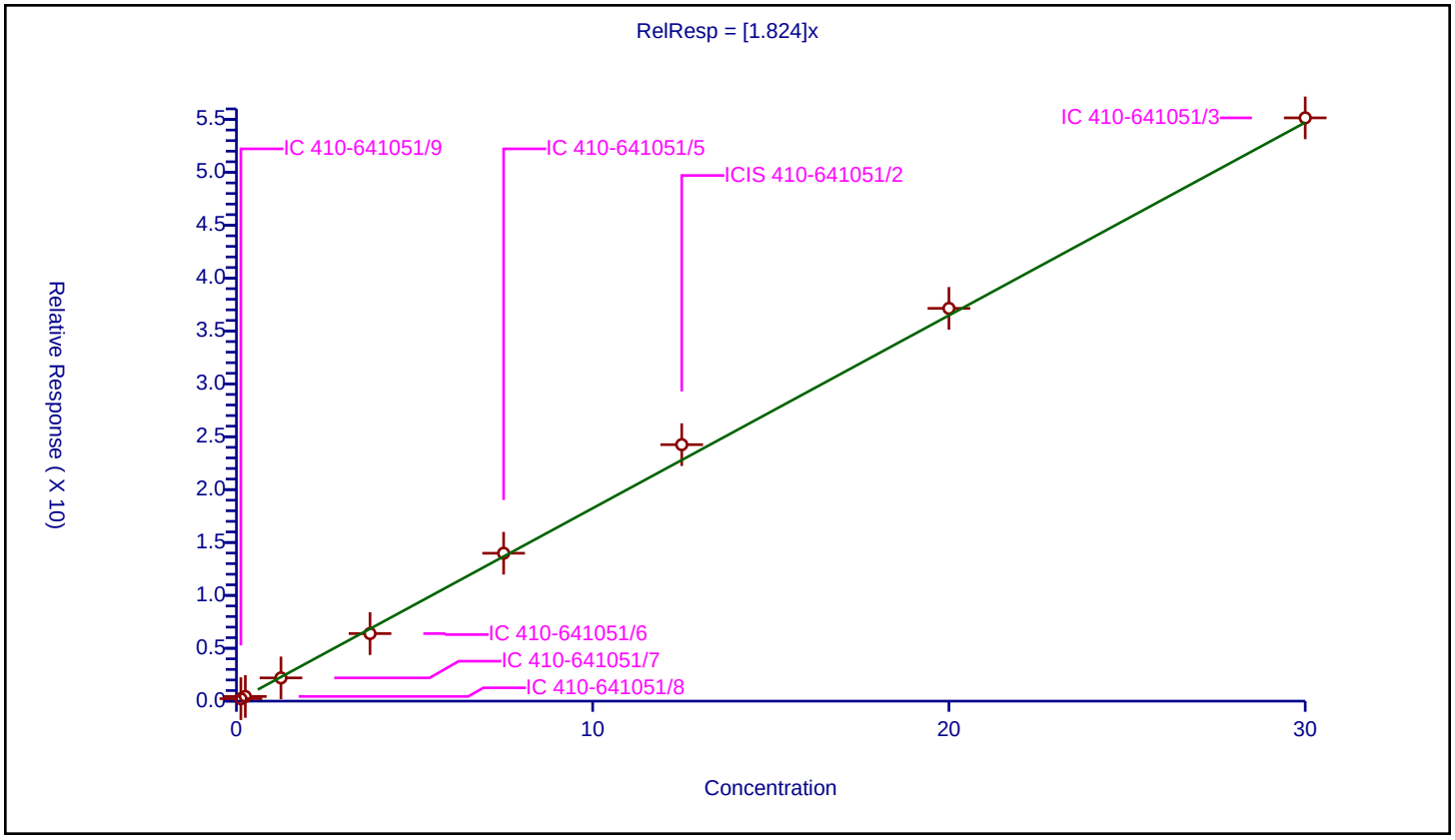
Curve Coefficients

Intercept:	0
Slope:	1.824

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.232945	5.0	379811.0	1.863558	Y
2	IC 410-641051/8	0.25	0.441381	5.0	385891.0	1.765524	Y
3	IC 410-641051/7	1.25	2.196988	5.0	394242.0	1.757591	Y
4	IC 410-641051/6	3.75	6.388499	5.0	424307.0	1.7036	Y
5	IC 410-641051/5	7.5	13.98491	5.0	403979.0	1.864655	Y
6	ICIS 410-641051/2	12.5	24.253148	5.0	463358.0	1.940252	Y
7	IC 410-641051/4	20.0	37.139767	5.0	437793.0	1.856988	Y
8	IC 410-641051/3	30.0	55.150227	5.0	411545.0	1.838341	Y



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Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

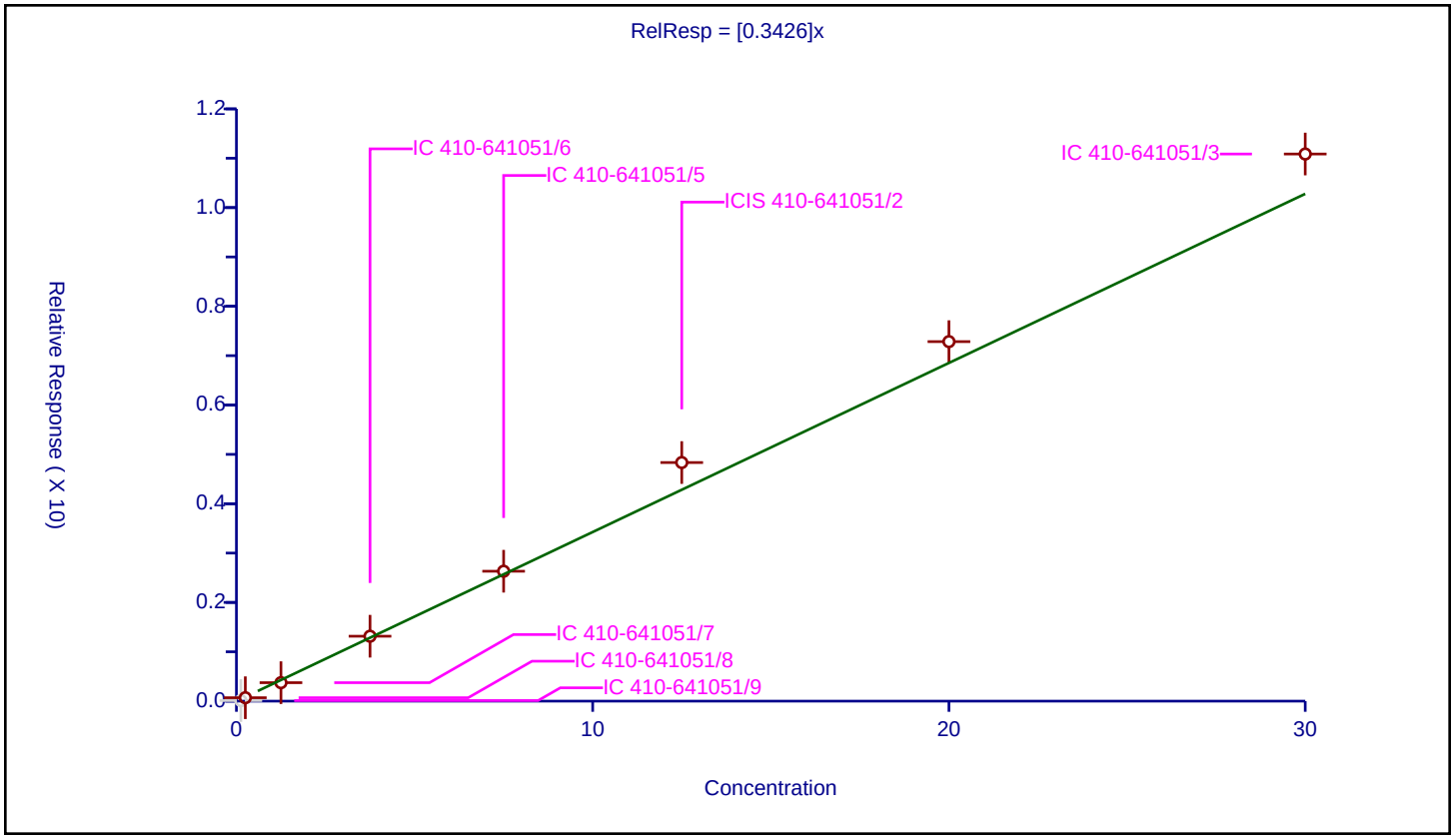
Curve Coefficients

Intercept:	0
Slope:	0.3426

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011809	5.0	379811.0	0.094468	N
2	IC 410-641051/8	0.25	0.069216	5.0	385891.0	0.276866	Y
3	IC 410-641051/7	1.25	0.374034	5.0	394242.0	0.299227	Y
4	IC 410-641051/6	3.75	1.315651	5.0	424307.0	0.35084	Y
5	IC 410-641051/5	7.5	2.632068	5.0	403979.0	0.350942	Y
6	ICIS 410-641051/2	12.5	4.834469	5.0	463358.0	0.386758	Y
7	IC 410-641051/4	20.0	7.284539	5.0	437793.0	0.364227	Y
8	IC 410-641051/3	30.0	11.085556	5.0	411545.0	0.369519	Y



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Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

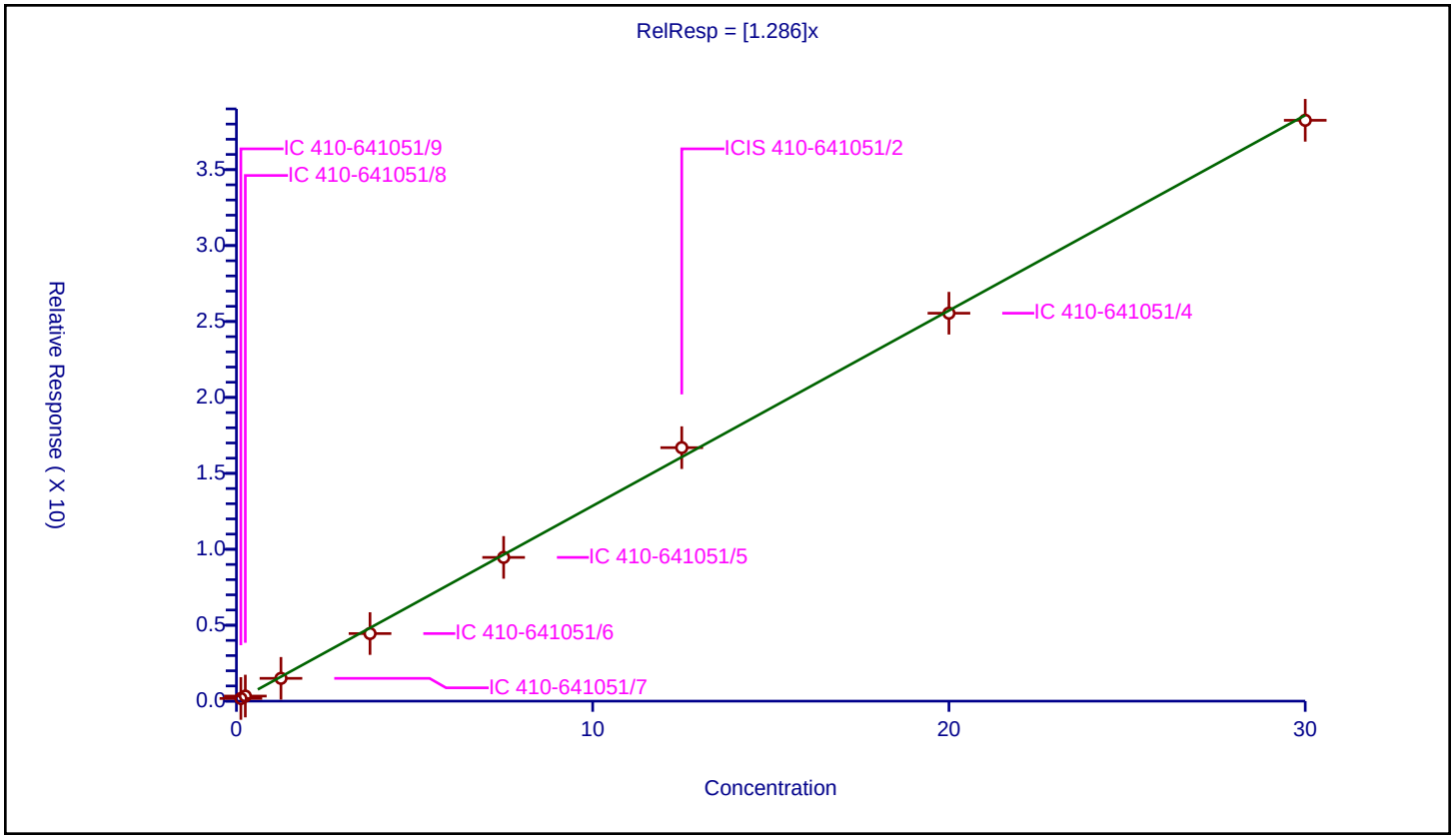
Curve Coefficients

Intercept:	0
Slope:	1.286

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.176785	5.0	379811.0	1.414282	Y
2	IC 410-641051/8	0.25	0.334227	5.0	385891.0	1.336906	Y
3	IC 410-641051/7	1.25	1.500779	5.0	394242.0	1.200623	Y
4	IC 410-641051/6	3.75	4.450563	5.0	424307.0	1.186817	Y
5	IC 410-641051/5	7.5	9.464192	5.0	403979.0	1.261892	Y
6	ICIS 410-641051/2	12.5	16.691651	5.0	463358.0	1.335332	Y
7	IC 410-641051/4	20.0	25.54592	5.0	437793.0	1.277296	Y
8	IC 410-641051/3	30.0	38.248539	5.0	411545.0	1.274951	Y



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Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

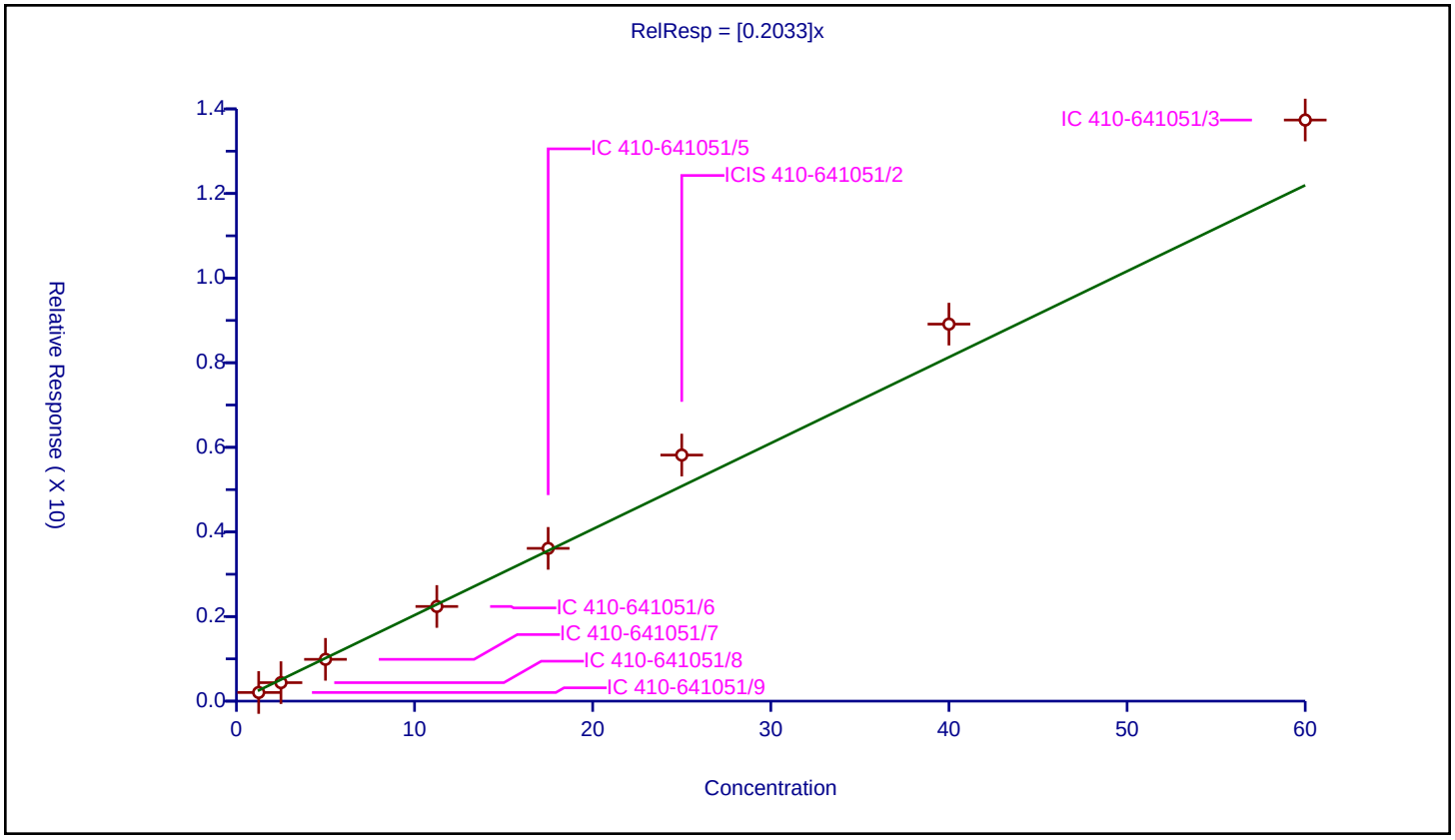
Curve Coefficients

Intercept:	0
Slope:	0.2033

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	1.25	0.20451	5.0	379811.0	0.163608	Y
2	IC 410-641051/8	2.5	0.437455	5.0	385891.0	0.174982	Y
3	IC 410-641051/7	5.0	0.988378	5.0	394242.0	0.197676	Y
4	IC 410-641051/6	11.25	2.237943	5.0	424307.0	0.198928	Y
5	IC 410-641051/5	17.5	3.611722	5.0	403979.0	0.206384	Y
6	ICIS 410-641051/2	25.0	5.817176	5.0	463358.0	0.232687	Y
7	IC 410-641051/4	40.0	8.912454	5.0	437793.0	0.222811	Y
8	IC 410-641051/3	60.0	13.736627	5.0	411545.0	0.228944	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

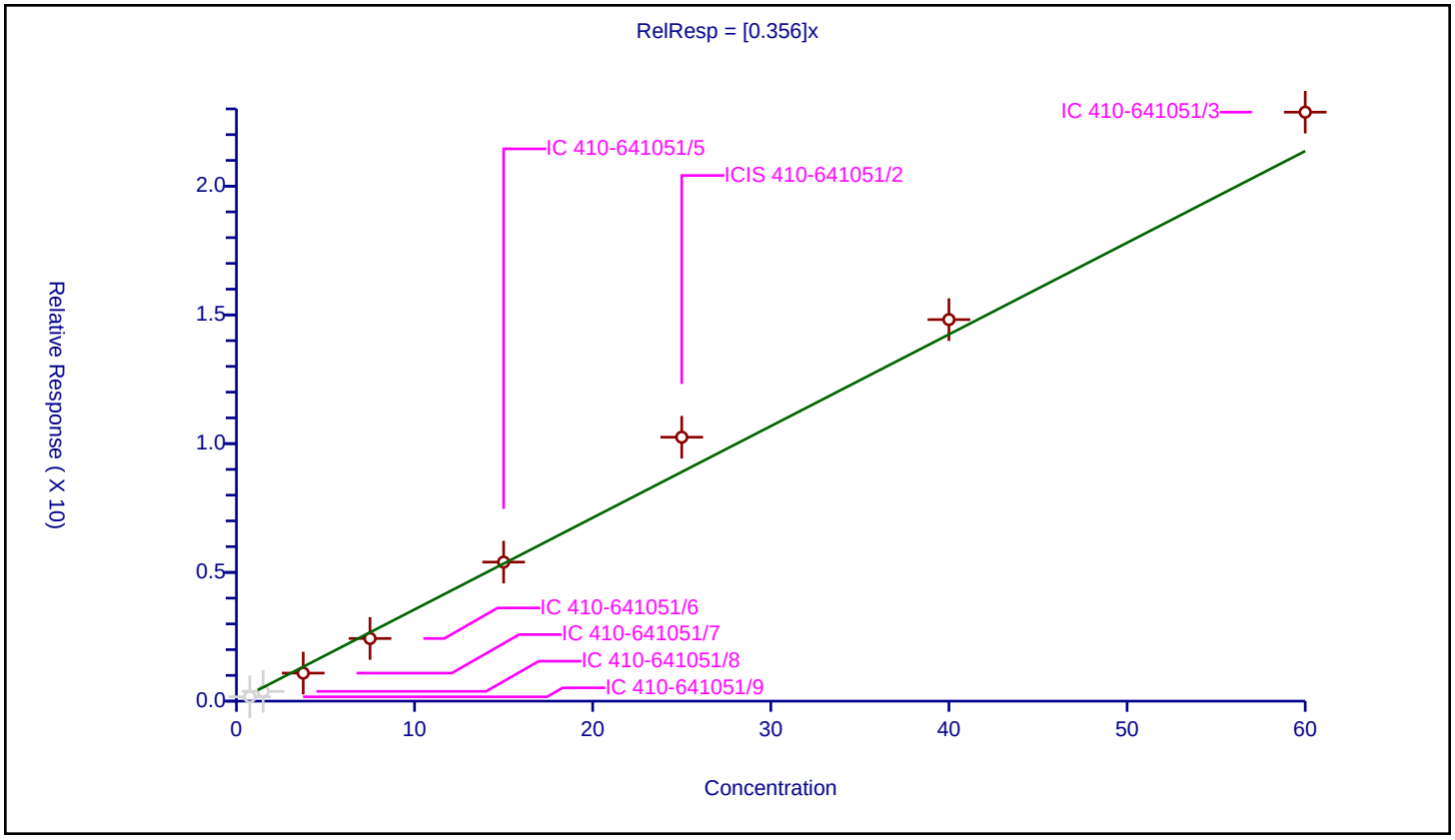
Curve Coefficients

Intercept:	0
Slope:	0.356

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.75	0.167899	5.0	379811.0	0.223866	N
2	IC 410-641051/8	1.5	0.379498	5.0	385891.0	0.252999	N
3	IC 410-641051/7	3.75	1.088481	5.0	394242.0	0.290262	Y
4	IC 410-641051/6	7.5	2.433132	5.0	424307.0	0.324418	Y
5	IC 410-641051/5	15.0	5.399266	5.0	403979.0	0.359951	Y
6	ICIS 410-641051/2	25.0	10.249591	5.0	463358.0	0.409984	Y
7	IC 410-641051/4	40.0	14.817174	5.0	437793.0	0.370429	Y
8	IC 410-641051/3	60.0	22.872383	5.0	411545.0	0.381206	Y



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Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

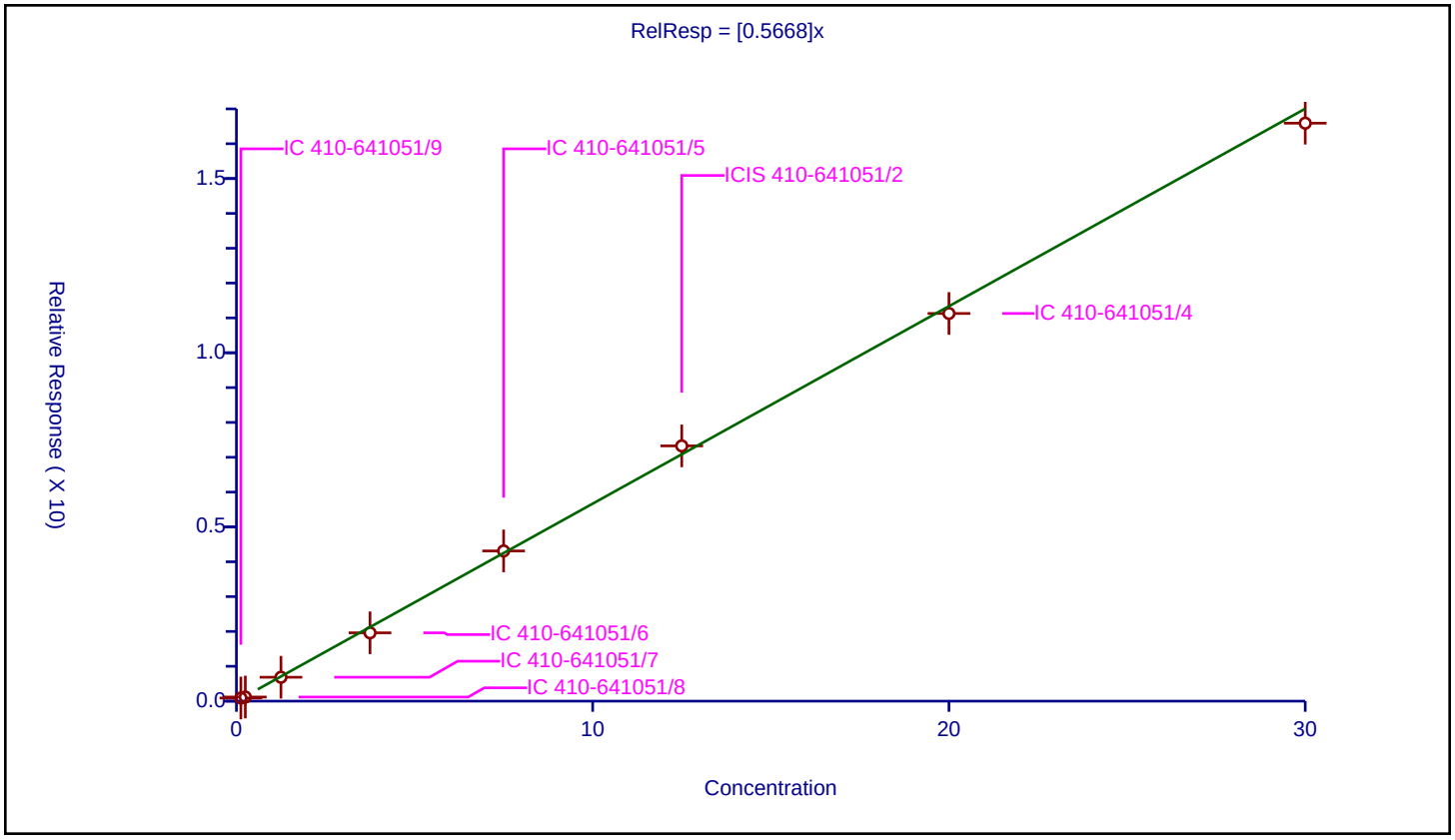
Curve Coefficients

Intercept:	0
Slope:	0.5668

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.089953	5.0	379811.0	0.719621	Y
2	IC 410-641051/8	0.25	0.118142	5.0	385891.0	0.472569	Y
3	IC 410-641051/7	1.25	0.685987	5.0	394242.0	0.54879	Y
4	IC 410-641051/6	3.75	1.961587	5.0	424307.0	0.52309	Y
5	IC 410-641051/5	7.5	4.311635	5.0	403979.0	0.574885	Y
6	ICIS 410-641051/2	12.5	7.326376	5.0	463358.0	0.58611	Y
7	IC 410-641051/4	20.0	11.127828	5.0	437793.0	0.556391	Y
8	IC 410-641051/3	30.0	16.589304	5.0	411545.0	0.552977	Y



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Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

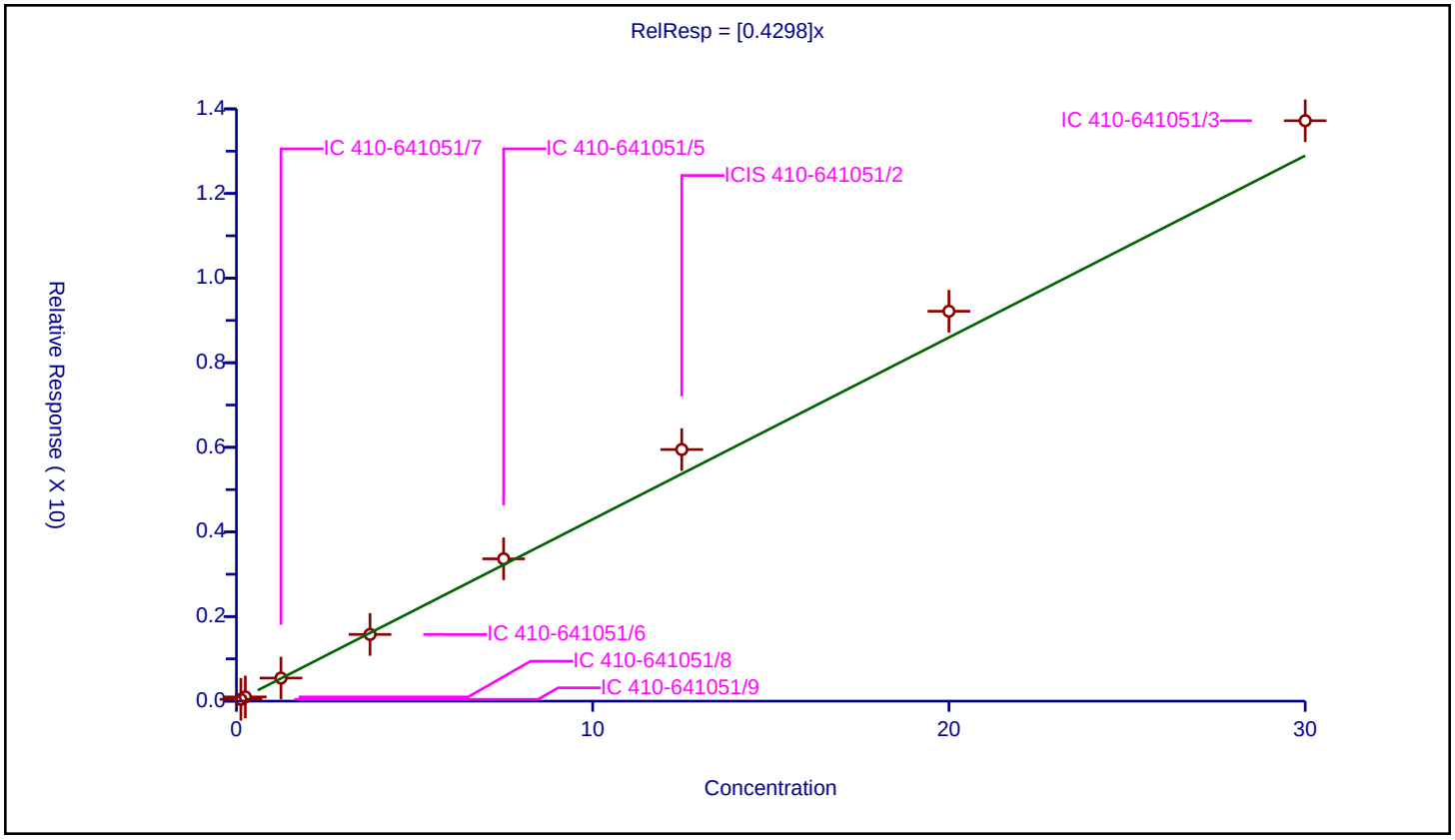
Curve Coefficients

Intercept:	0
Slope:	0.4298

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.042534	5.0	379811.0	0.340275	Y
2	IC 410-641051/8	0.25	0.09973	5.0	385891.0	0.398921	Y
3	IC 410-641051/7	1.25	0.545579	5.0	394242.0	0.436463	Y
4	IC 410-641051/6	3.75	1.57683	5.0	424307.0	0.420488	Y
5	IC 410-641051/5	7.5	3.363343	5.0	403979.0	0.448446	Y
6	ICIS 410-641051/2	12.5	5.947701	5.0	463358.0	0.475816	Y
7	IC 410-641051/4	20.0	9.216776	5.0	437793.0	0.460839	Y
8	IC 410-641051/3	30.0	13.720541	5.0	411545.0	0.457351	Y



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Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

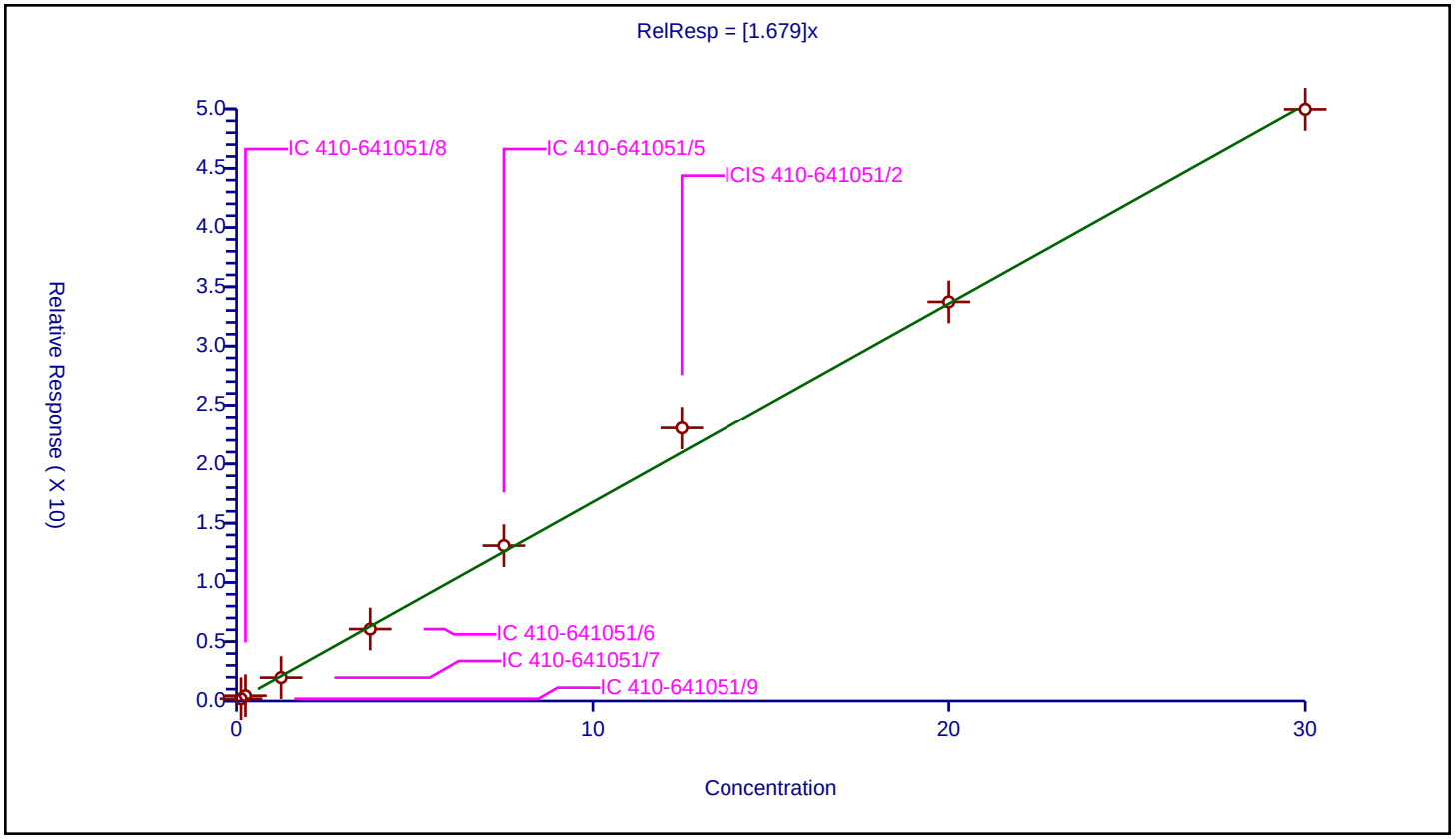
Curve Coefficients

Intercept:	0
Slope:	1.679

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.189937	5.0	379811.0	1.519493	Y
2	IC 410-641051/8	0.25	0.443091	5.0	385891.0	1.772366	Y
3	IC 410-641051/7	1.25	1.970985	5.0	394242.0	1.576788	Y
4	IC 410-641051/6	3.75	6.066197	5.0	424307.0	1.617653	Y
5	IC 410-641051/5	7.5	13.105483	5.0	403979.0	1.747398	Y
6	ICIS 410-641051/2	12.5	23.05128	5.0	463358.0	1.844102	Y
7	IC 410-641051/4	20.0	33.729125	5.0	437793.0	1.686456	Y
8	IC 410-641051/3	30.0	49.965374	5.0	411545.0	1.665512	Y



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Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

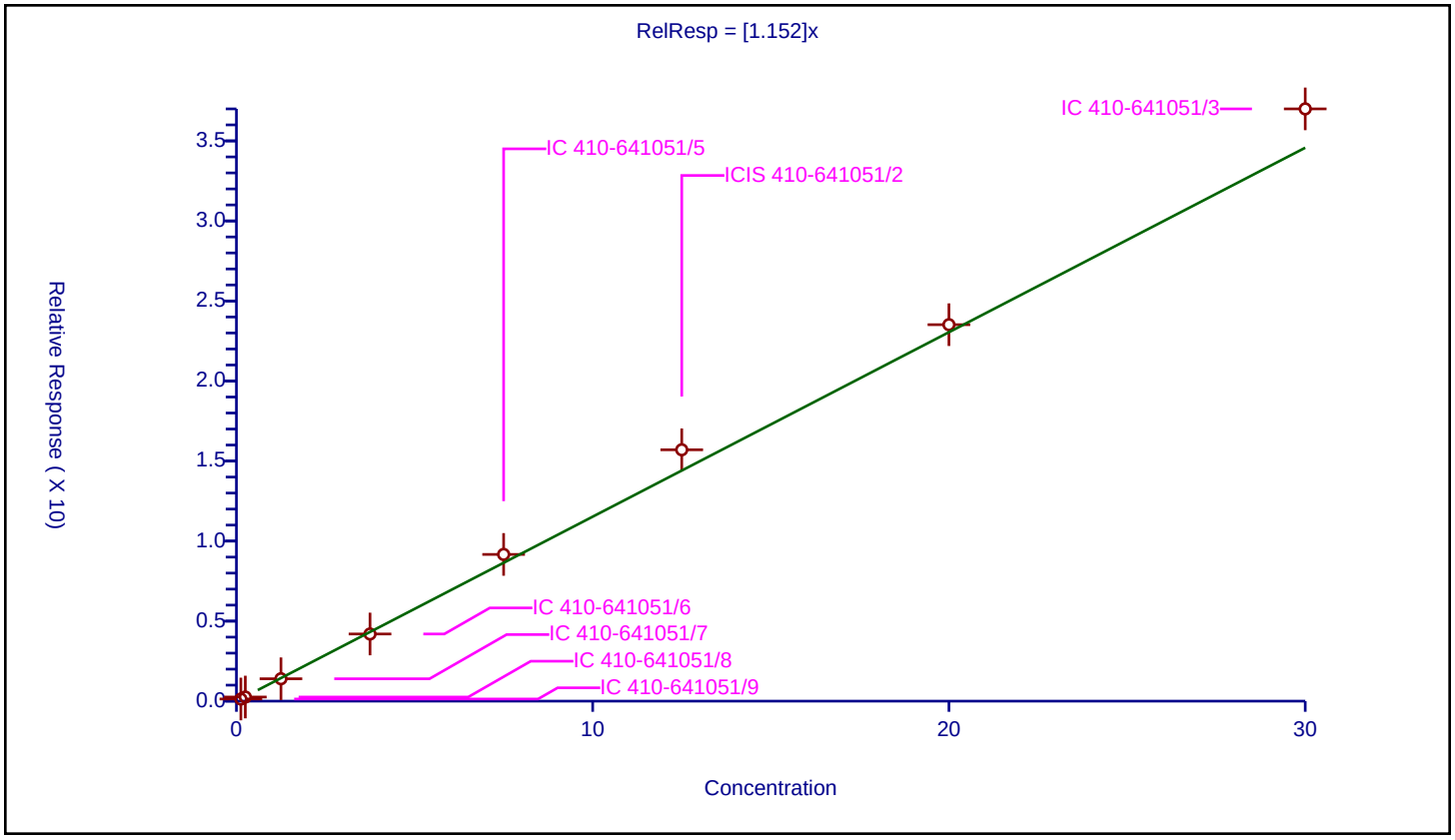
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.133264	5.0	379811.0	1.066109	Y
2	IC 410-641051/8	0.25	0.256951	5.0	385891.0	1.027803	Y
3	IC 410-641051/7	1.25	1.398722	5.0	394242.0	1.118978	Y
4	IC 410-641051/6	3.75	4.195005	5.0	424307.0	1.118668	Y
5	IC 410-641051/5	7.5	9.166293	5.0	403979.0	1.222172	Y
6	ICIS 410-641051/2	12.5	15.703646	5.0	463358.0	1.256292	Y
7	IC 410-641051/4	20.0	23.519323	5.0	437793.0	1.175966	Y
8	IC 410-641051/3	30.0	36.999526	5.0	411545.0	1.233318	Y



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Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

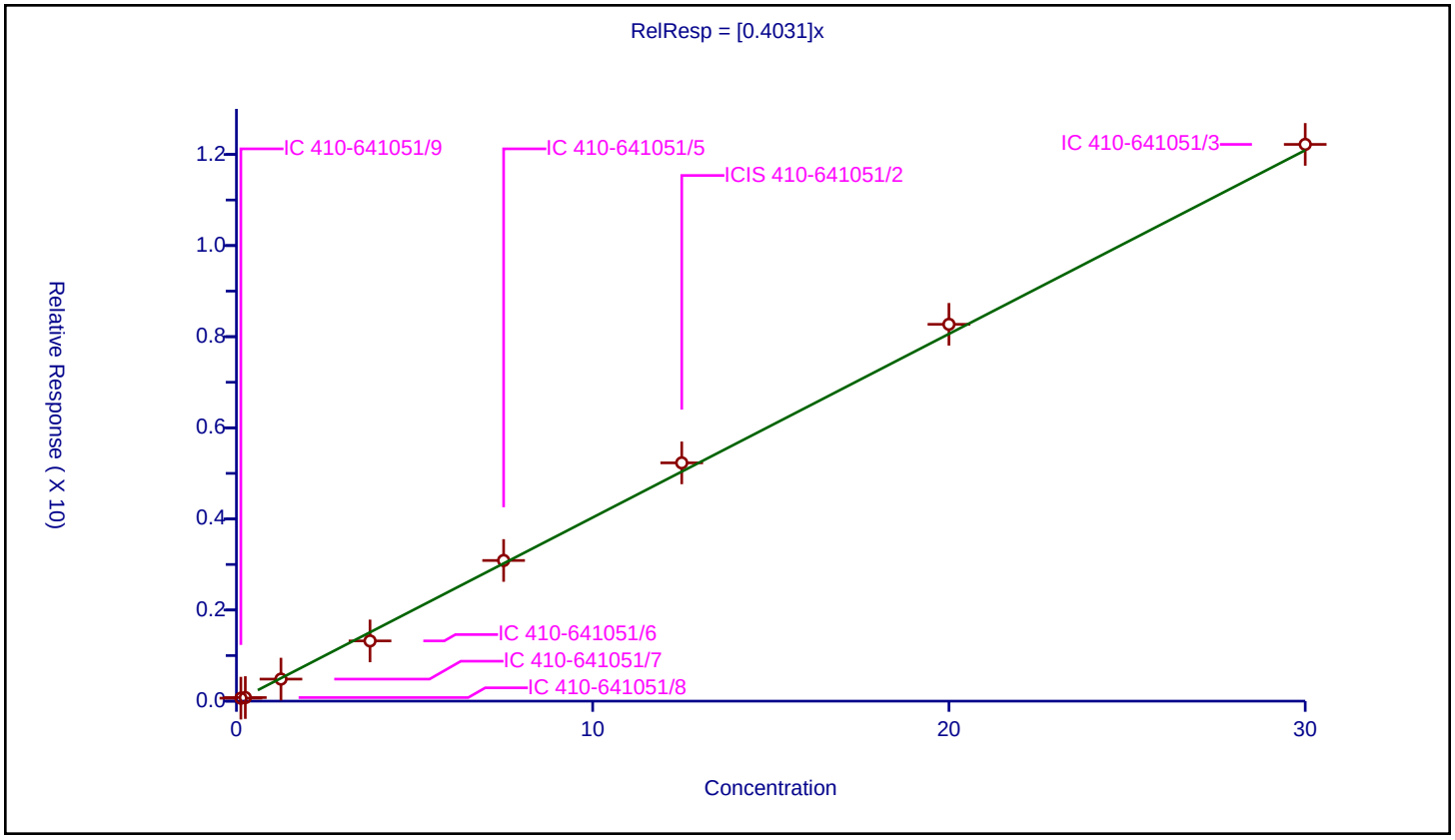
Curve Coefficients

Intercept:	0
Slope:	0.4031

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.065006	5.0	379811.0	0.520048	Y
2	IC 410-641051/8	0.25	0.078429	5.0	385891.0	0.313716	Y
3	IC 410-641051/7	1.25	0.483776	5.0	394242.0	0.387021	Y
4	IC 410-641051/6	3.75	1.322274	5.0	424307.0	0.352606	Y
5	IC 410-641051/5	7.5	3.08771	5.0	403979.0	0.411695	Y
6	ICIS 410-641051/2	12.5	5.230621	5.0	463358.0	0.41845	Y
7	IC 410-641051/4	20.0	8.271717	5.0	437793.0	0.413586	Y
8	IC 410-641051/3	30.0	12.220814	5.0	411545.0	0.40736	Y



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Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

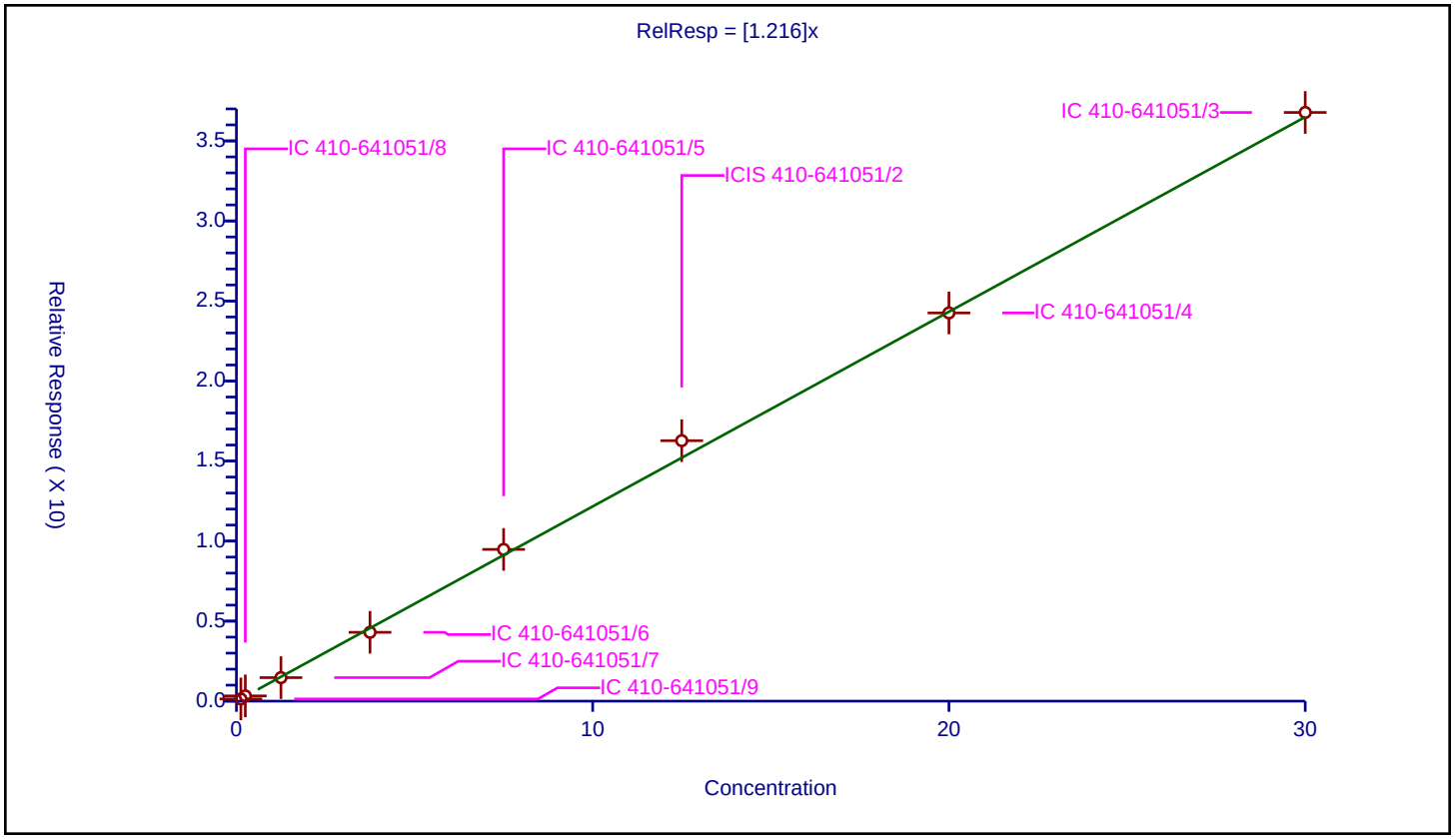
Curve Coefficients

Intercept:	0
Slope:	1.216

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.137292	5.0	379811.0	1.098336	Y
2	IC 410-641051/8	0.25	0.326945	5.0	385891.0	1.307779	Y
3	IC 410-641051/7	1.25	1.467867	5.0	394242.0	1.174294	Y
4	IC 410-641051/6	3.75	4.299941	5.0	424307.0	1.146651	Y
5	IC 410-641051/5	7.5	9.478785	5.0	403979.0	1.263838	Y
6	ICIS 410-641051/2	12.5	16.27313	5.0	463358.0	1.30185	Y
7	IC 410-641051/4	20.0	24.253083	5.0	437793.0	1.212654	Y
8	IC 410-641051/3	30.0	36.776294	5.0	411545.0	1.225876	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

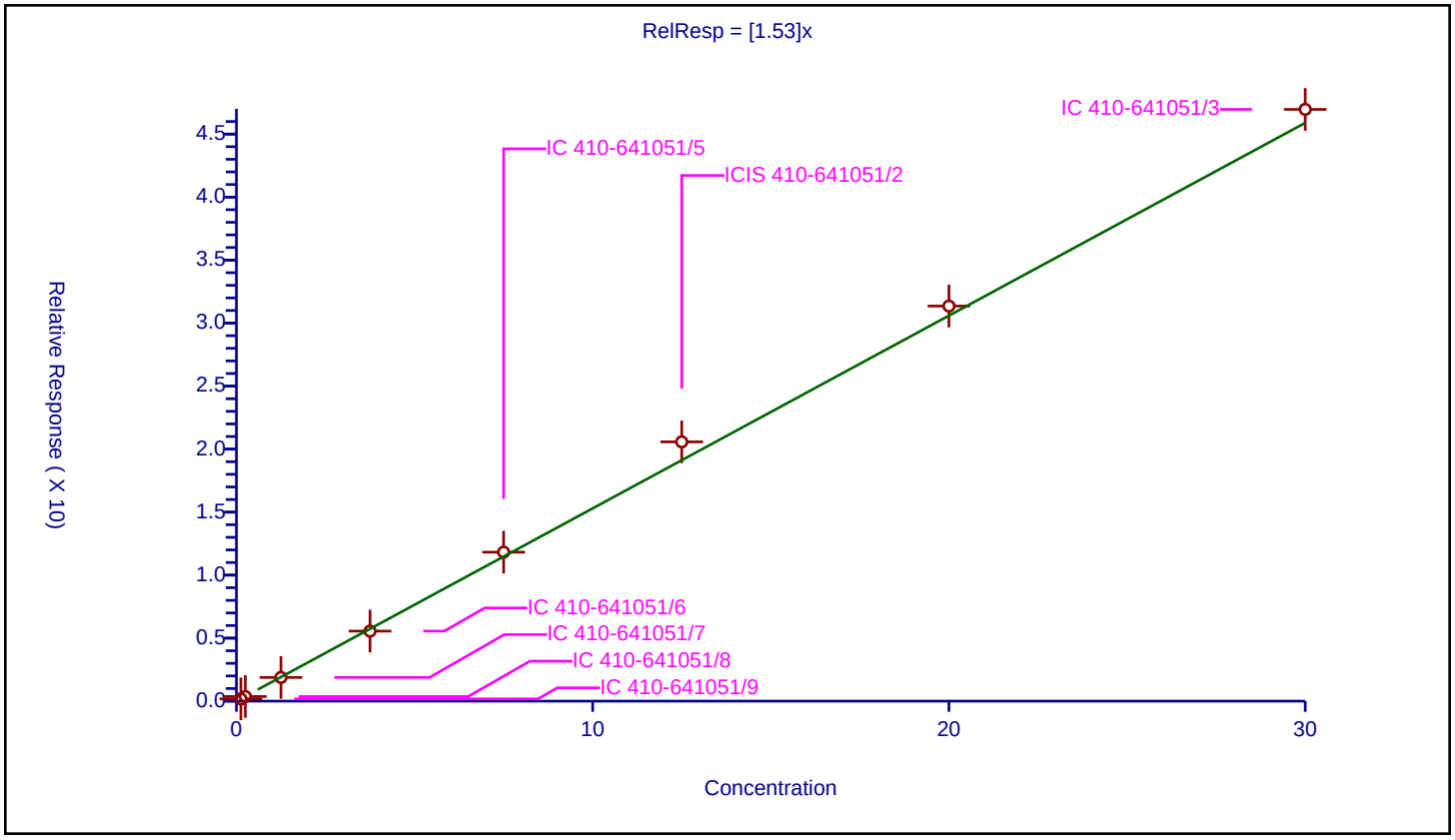
Curve Coefficients

Intercept:	0
Slope:	1.53

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.178957	5.0	379811.0	1.431659	Y
2	IC 410-641051/8	0.25	0.365855	5.0	385891.0	1.463418	Y
3	IC 410-641051/7	1.25	1.881065	5.0	394242.0	1.504852	Y
4	IC 410-641051/6	3.75	5.557474	5.0	424307.0	1.481993	Y
5	IC 410-641051/5	7.5	11.822855	5.0	403979.0	1.576381	Y
6	ICIS 410-641051/2	12.5	20.574739	5.0	463358.0	1.645979	Y
7	IC 410-641051/4	20.0	31.3521	5.0	437793.0	1.567605	Y
8	IC 410-641051/3	30.0	46.959931	5.0	411545.0	1.565331	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

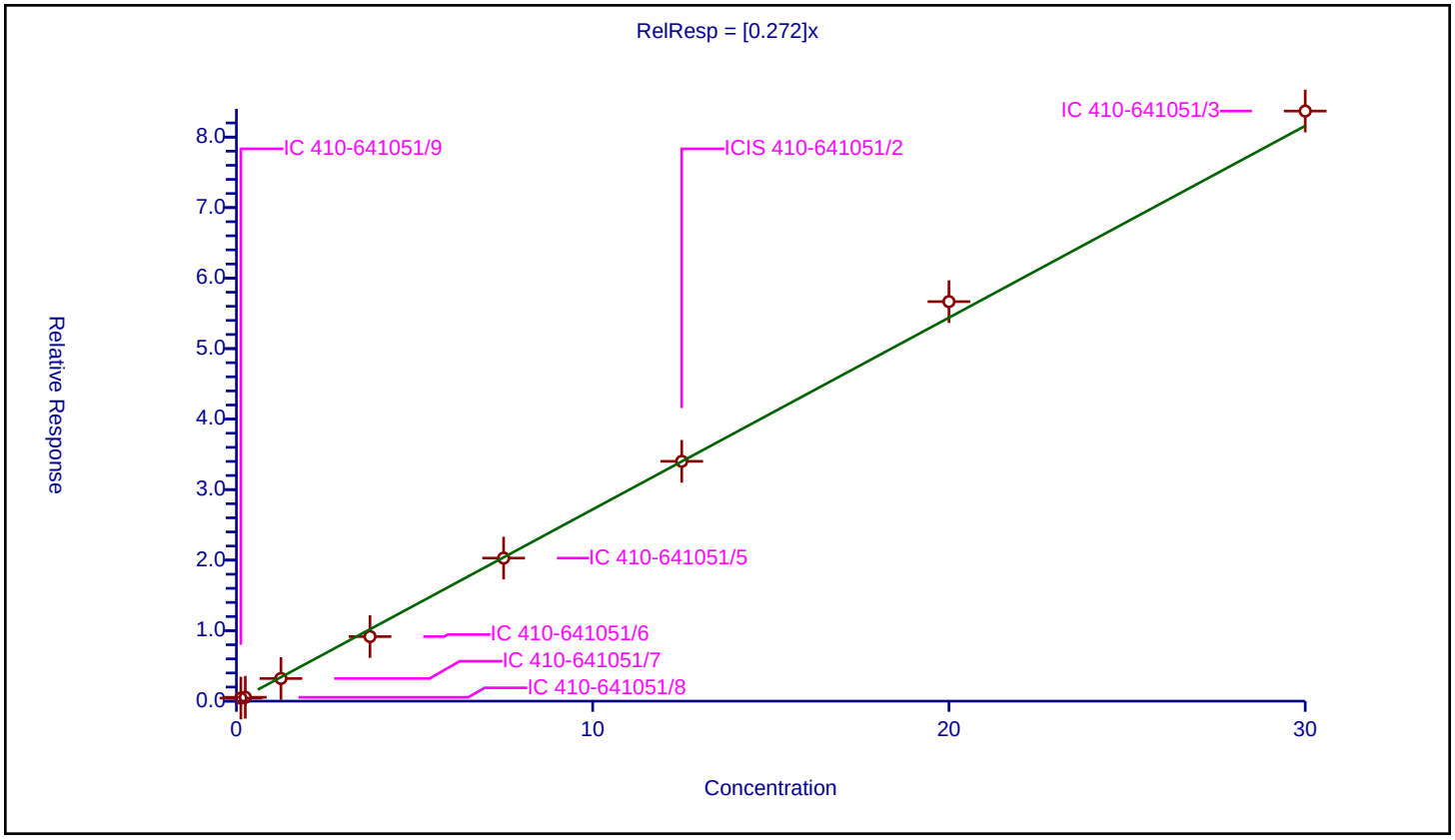
Curve Coefficients

Intercept:	0
Slope:	0.272

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.043653	5.0	379811.0	0.349226	Y
2	IC 410-641051/8	0.25	0.05508	5.0	385891.0	0.220321	Y
3	IC 410-641051/7	1.25	0.321161	5.0	394242.0	0.256928	Y
4	IC 410-641051/6	3.75	0.916047	5.0	424307.0	0.244279	Y
5	IC 410-641051/5	7.5	2.028719	5.0	403979.0	0.270496	Y
6	ICIS 410-641051/2	12.5	3.401646	5.0	463358.0	0.272132	Y
7	IC 410-641051/4	20.0	5.666662	5.0	437793.0	0.283333	Y
8	IC 410-641051/3	30.0	8.369024	5.0	411545.0	0.278967	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

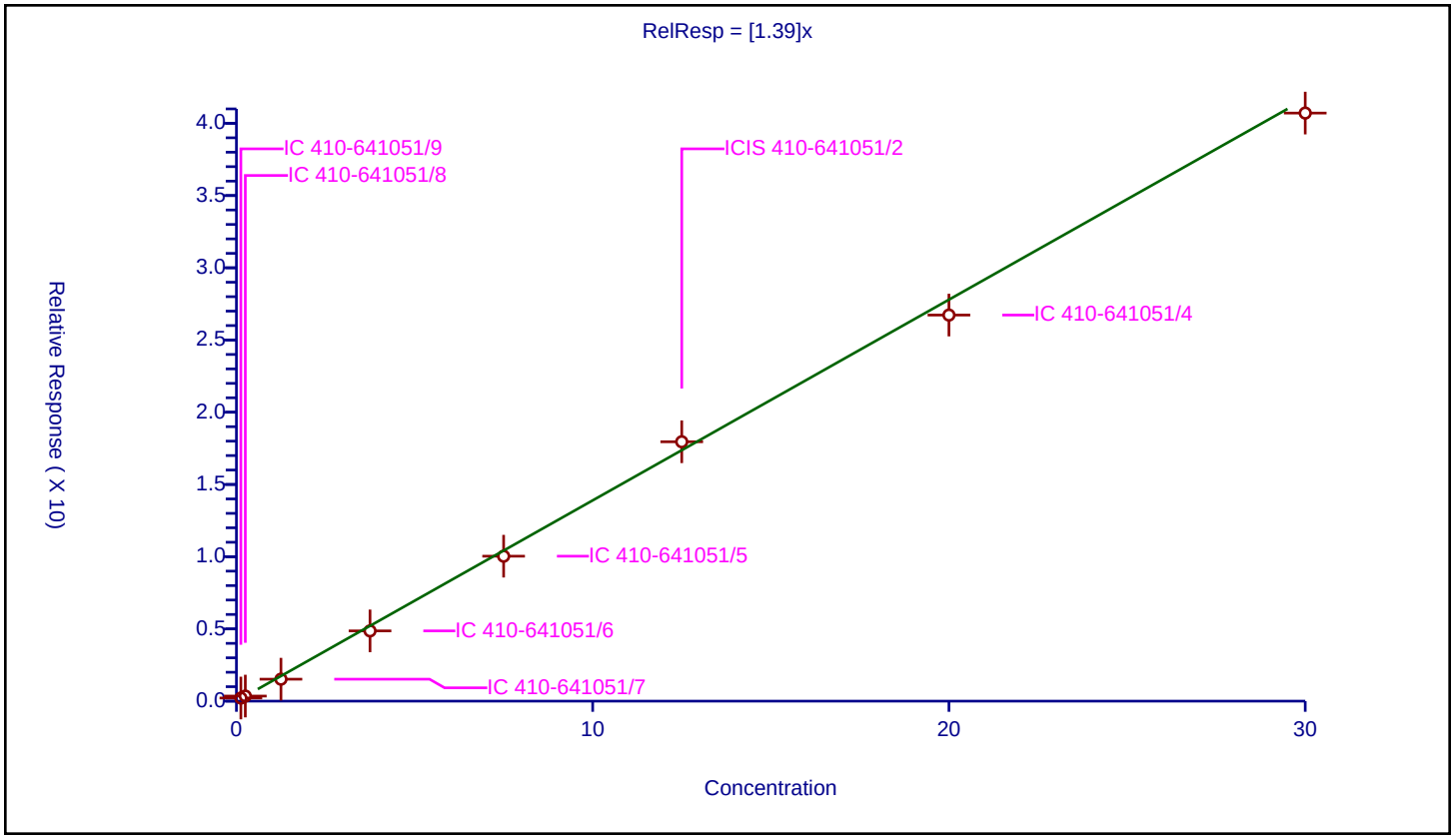
Curve Coefficients

Intercept:	0
Slope:	1.39

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.216502	5.0	379811.0	1.732019	Y
2	IC 410-641051/8	0.25	0.351278	5.0	385891.0	1.405112	Y
3	IC 410-641051/7	1.25	1.519333	5.0	394242.0	1.215467	Y
4	IC 410-641051/6	3.75	4.863825	5.0	424307.0	1.29702	Y
5	IC 410-641051/5	7.5	10.034989	5.0	403979.0	1.337999	Y
6	ICIS 410-641051/2	12.5	17.956623	5.0	463358.0	1.43653	Y
7	IC 410-641051/4	20.0	26.726295	5.0	437793.0	1.336315	Y
8	IC 410-641051/3	30.0	40.711271	5.0	411545.0	1.357042	Y



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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

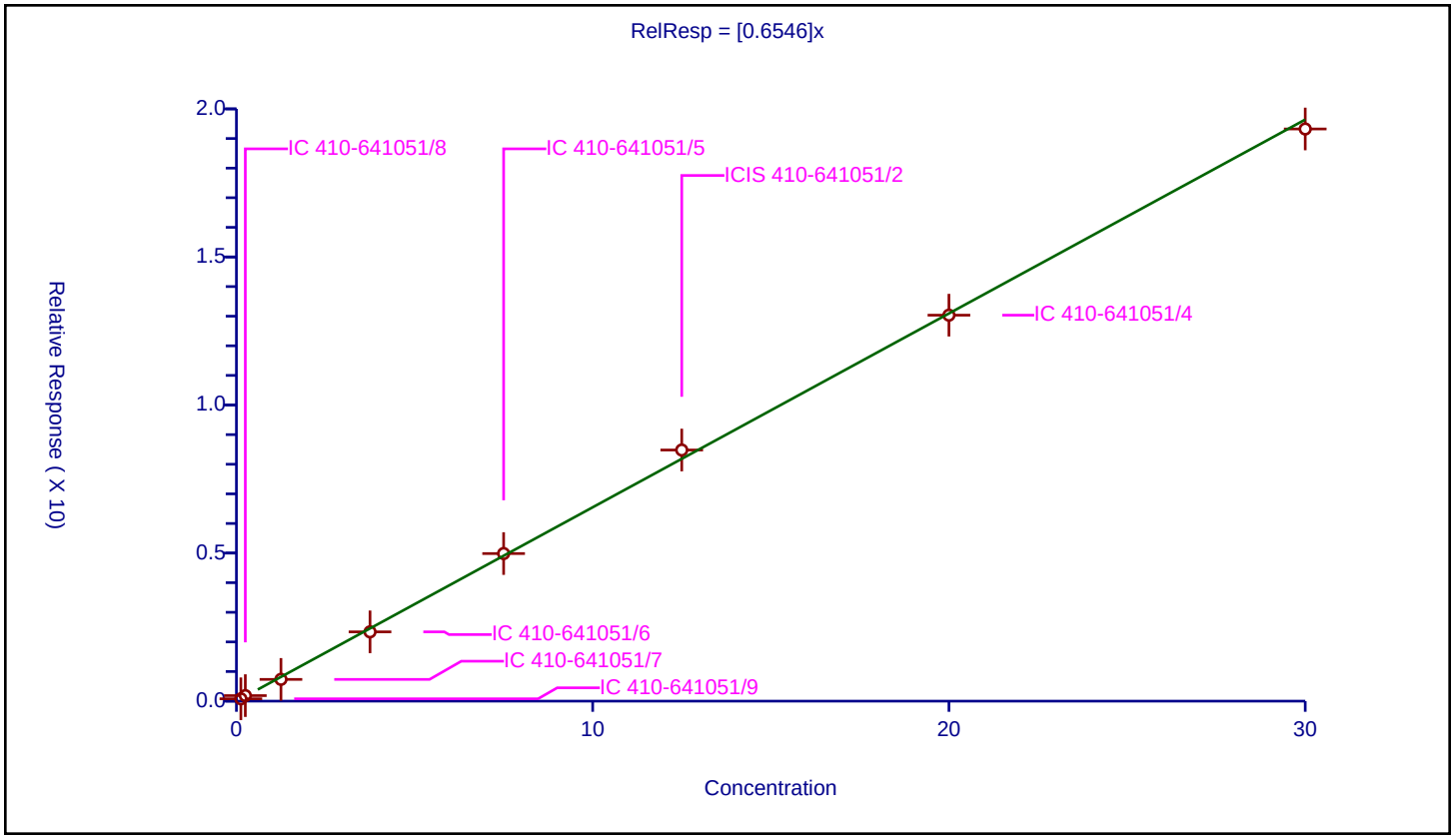
Curve Coefficients

Intercept:	0
Slope:	0.6546

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.080027	5.0	379811.0	0.640213	Y
2	IC 410-641051/8	0.25	0.186542	5.0	385891.0	0.746169	Y
3	IC 410-641051/7	1.25	0.734828	5.0	394242.0	0.587862	Y
4	IC 410-641051/6	3.75	2.339474	5.0	424307.0	0.62386	Y
5	IC 410-641051/5	7.5	4.984083	5.0	403979.0	0.664544	Y
6	ICIS 410-641051/2	12.5	8.480473	5.0	463358.0	0.678438	Y
7	IC 410-641051/4	20.0	13.034002	5.0	437793.0	0.6517	Y
8	IC 410-641051/3	30.0	19.321435	5.0	411545.0	0.644048	Y



Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

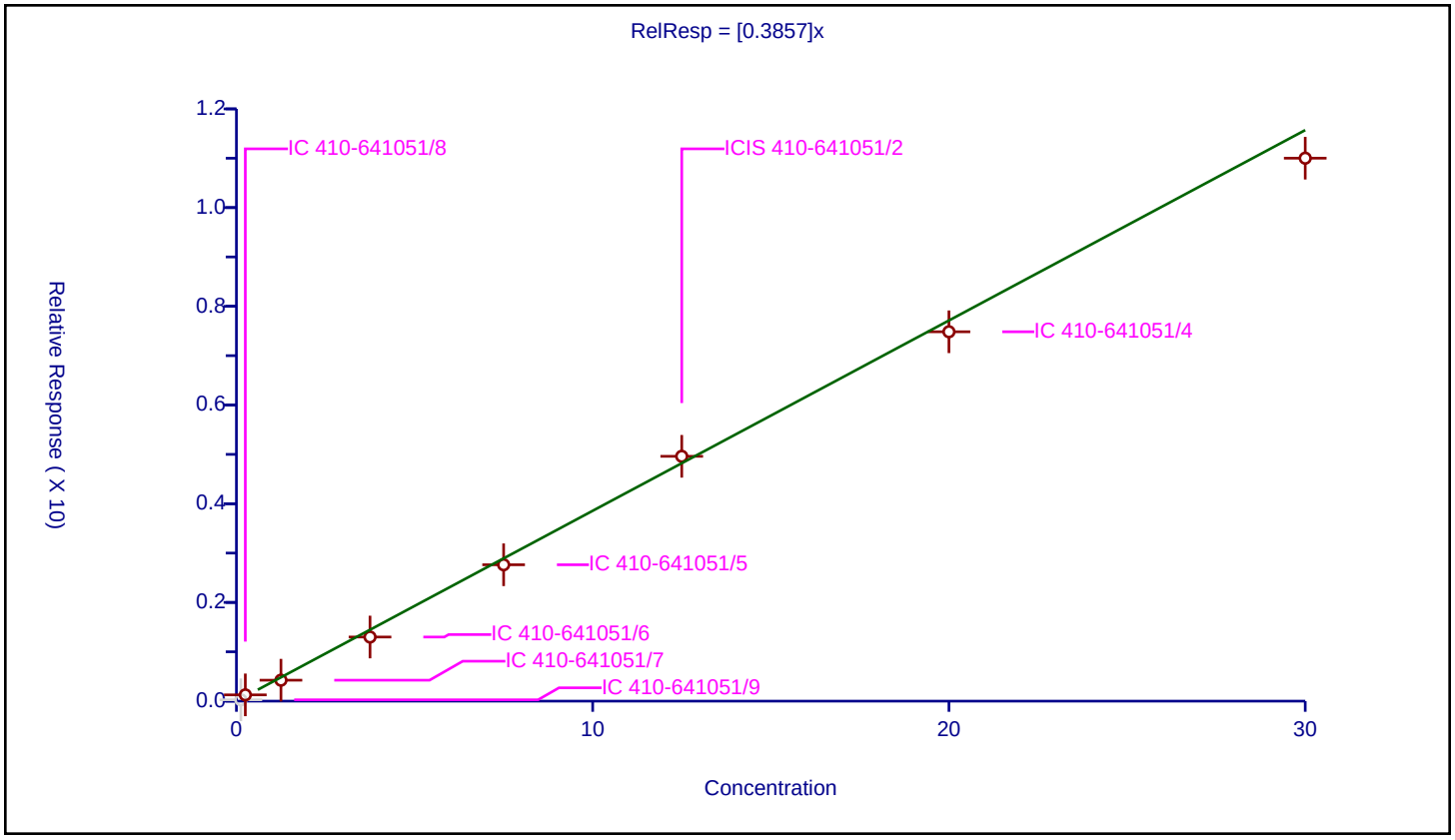
Curve Coefficients

Intercept:	0
Slope:	0.3857

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.027343	5.0	379811.0	0.21874	N
2	IC 410-641051/8	0.25	0.126888	5.0	385891.0	0.507553	Y
3	IC 410-641051/7	1.25	0.424206	5.0	394242.0	0.339365	Y
4	IC 410-641051/6	3.75	1.299142	5.0	424307.0	0.346438	Y
5	IC 410-641051/5	7.5	2.763498	5.0	403979.0	0.368466	Y
6	ICIS 410-641051/2	12.5	4.960916	5.0	463358.0	0.396873	Y
7	IC 410-641051/4	20.0	7.484062	5.0	437793.0	0.374203	Y
8	IC 410-641051/3	30.0	11.001239	5.0	411545.0	0.366708	Y



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Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

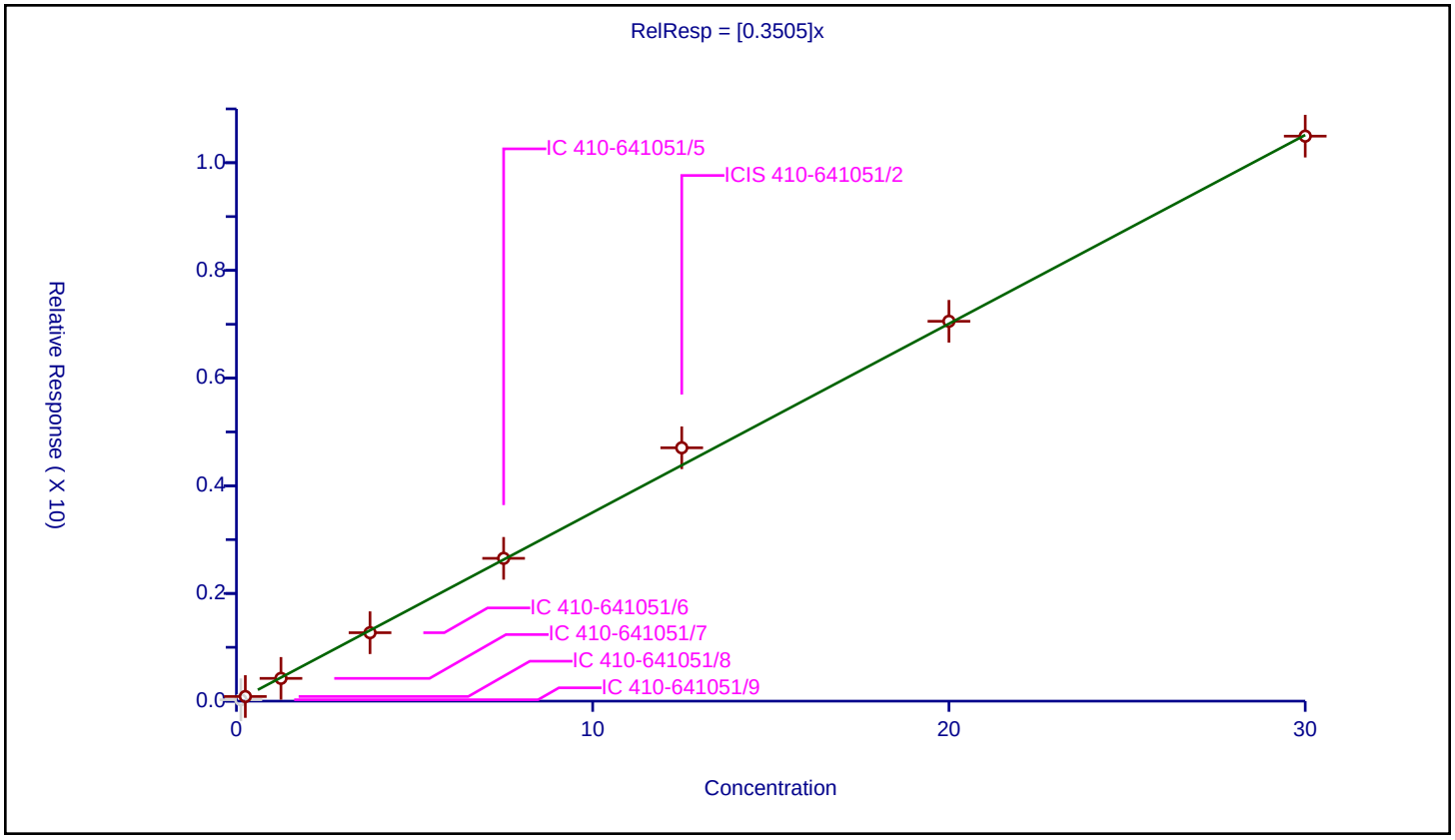
Curve Coefficients

Intercept:	0
Slope:	0.3505

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.026105	5.0	379811.0	0.208841	N
2	IC 410-641051/8	0.25	0.085931	5.0	385891.0	0.343724	Y
3	IC 410-641051/7	1.25	0.422735	5.0	394242.0	0.338188	Y
4	IC 410-641051/6	3.75	1.270849	5.0	424307.0	0.338893	Y
5	IC 410-641051/5	7.5	2.652403	5.0	403979.0	0.353654	Y
6	ICIS 410-641051/2	12.5	4.705638	5.0	463358.0	0.376451	Y
7	IC 410-641051/4	20.0	7.055515	5.0	437793.0	0.352776	Y
8	IC 410-641051/3	30.0	10.494174	5.0	411545.0	0.349806	Y



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Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

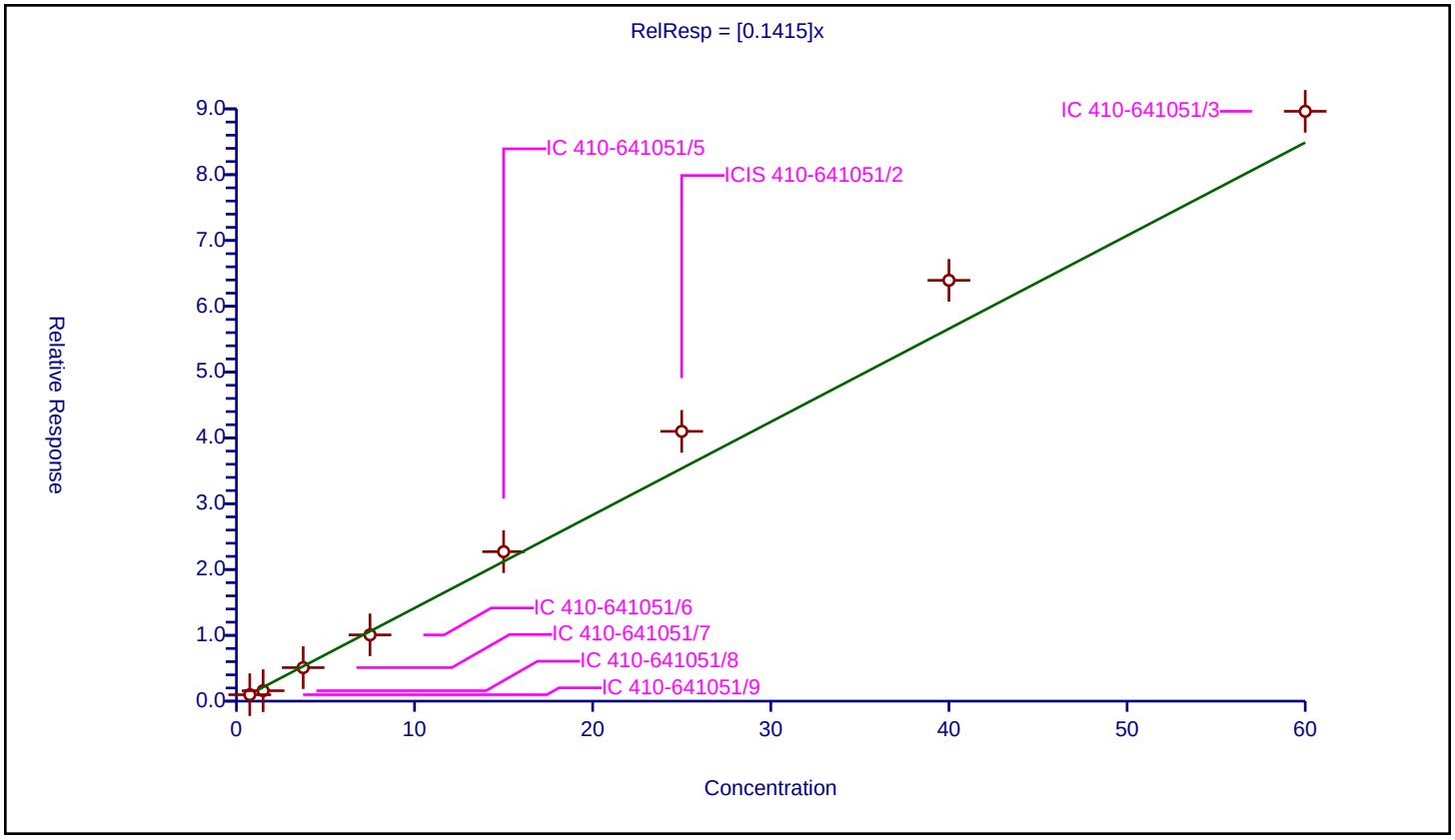
Curve Coefficients

Intercept:	0
Slope:	0.1415

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.75	0.098273	5.0	776661.0	0.131031	Y
2	IC 410-641051/8	1.5	0.158884	5.0	763891.0	0.105923	Y
3	IC 410-641051/7	3.75	0.509493	5.0	753435.0	0.135865	Y
4	IC 410-641051/6	7.5	1.007254	5.0	780250.0	0.134301	Y
5	IC 410-641051/5	15.0	2.271141	5.0	728024.0	0.151409	Y
6	ICIS 410-641051/2	25.0	4.099618	5.0	806658.0	0.163985	Y
7	IC 410-641051/4	40.0	6.395229	5.0	805341.0	0.159881	Y
8	IC 410-641051/3	60.0	8.963107	5.0	803087.0	0.149385	Y



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Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

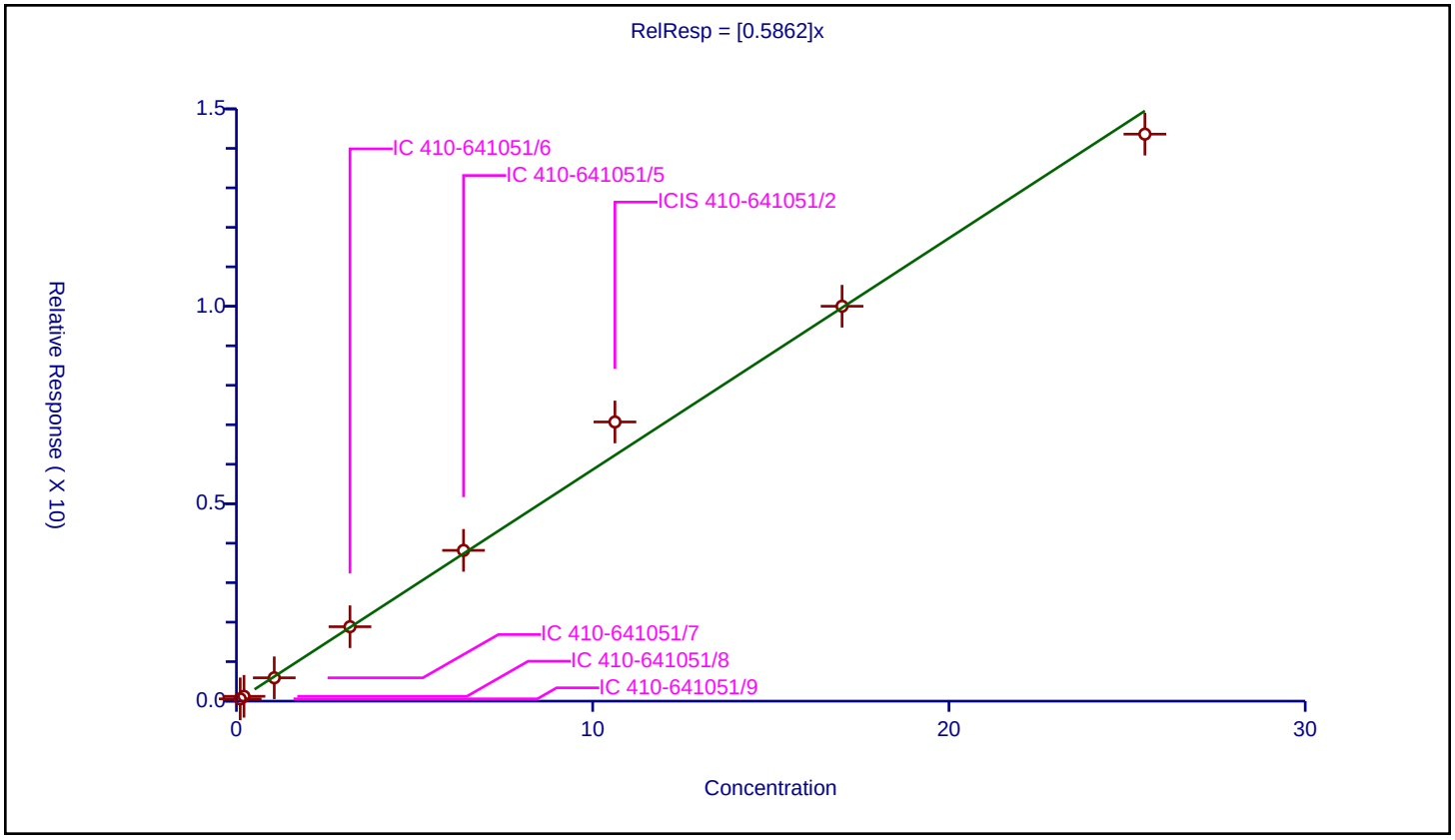
Curve Coefficients

Intercept:	0
Slope:	0.5862

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.10625	0.058526	5.0	776661.0	0.550835	Y
2	IC 410-641051/8	0.2125	0.12221	5.0	763891.0	0.575105	Y
3	IC 410-641051/7	1.0625	0.591292	5.0	753435.0	0.55651	Y
4	IC 410-641051/6	3.1875	1.885203	5.0	780250.0	0.591436	Y
5	IC 410-641051/5	6.375	3.81848	5.0	728024.0	0.598977	Y
6	ICIS 410-641051/2	10.625	7.071101	5.0	806658.0	0.665515	Y
7	IC 410-641051/4	17.0	10.002142	5.0	805341.0	0.588361	Y
8	IC 410-641051/3	25.5	14.36076	5.0	803087.0	0.563167	Y



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Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

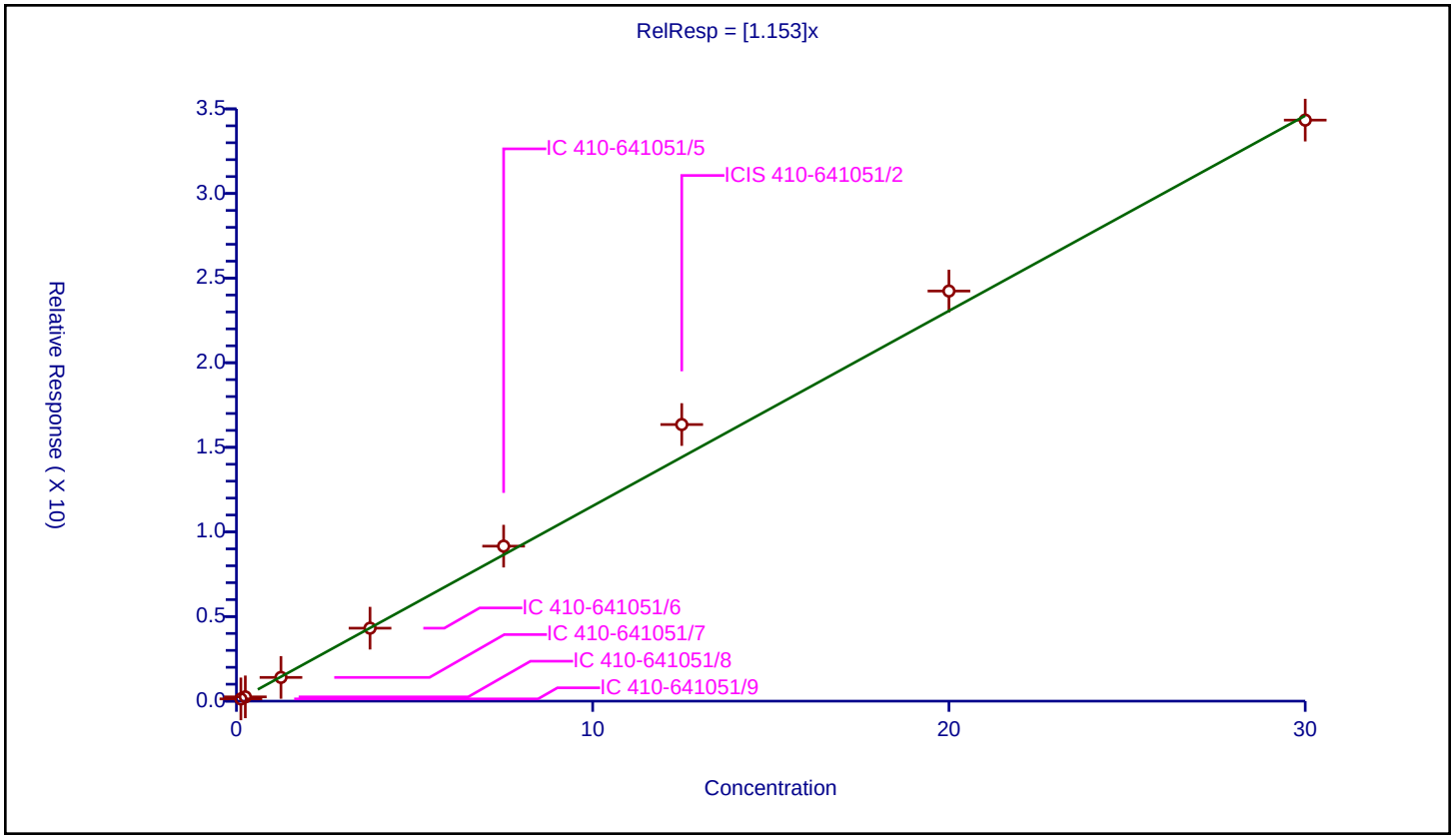
Curve Coefficients

Intercept:	0
Slope:	1.153

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.132606	5.0	776661.0	1.060849	Y
2	IC 410-641051/8	0.25	0.252143	5.0	763891.0	1.008573	Y
3	IC 410-641051/7	1.25	1.402132	5.0	753435.0	1.121705	Y
4	IC 410-641051/6	3.75	4.311451	5.0	780250.0	1.14972	Y
5	IC 410-641051/5	7.5	9.159568	5.0	728024.0	1.221276	Y
6	ICIS 410-641051/2	12.5	16.34645	5.0	806658.0	1.307716	Y
7	IC 410-641051/4	20.0	24.235541	5.0	805341.0	1.211777	Y
8	IC 410-641051/3	30.0	34.337594	5.0	803087.0	1.144586	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

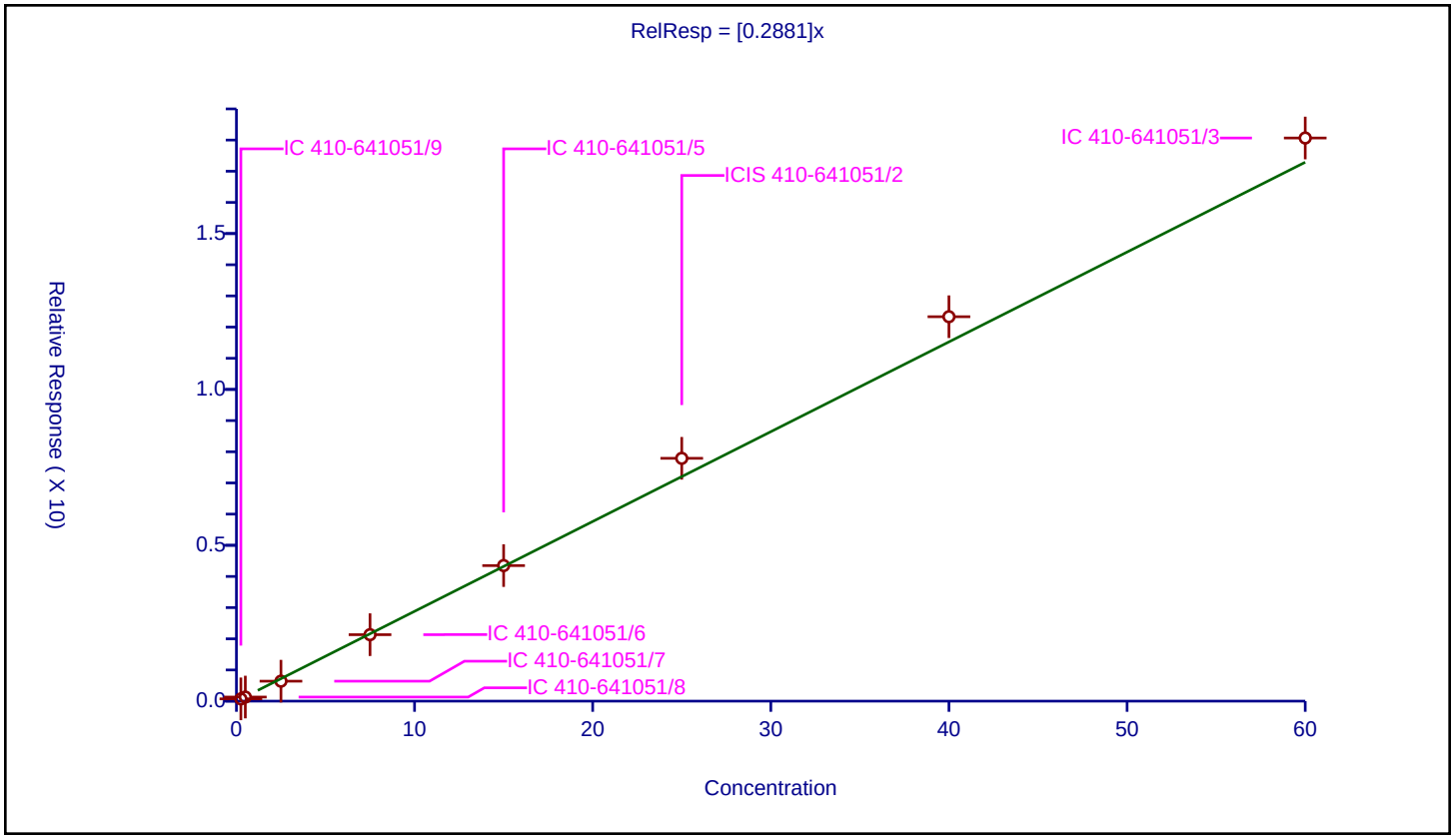
Curve Coefficients

Intercept:	0
Slope:	0.2881

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.072971	5.0	379811.0	0.291882	Y
2	IC 410-641051/8	0.5	0.130879	5.0	385891.0	0.261758	Y
3	IC 410-641051/7	2.5	0.640672	5.0	394242.0	0.256269	Y
4	IC 410-641051/6	7.5	2.131912	5.0	424307.0	0.284255	Y
5	IC 410-641051/5	15.0	4.348667	5.0	403979.0	0.289911	Y
6	ICIS 410-641051/2	25.0	7.790024	5.0	463358.0	0.311601	Y
7	IC 410-641051/4	40.0	12.332723	5.0	437793.0	0.308318	Y
8	IC 410-641051/3	60.0	18.065922	5.0	411545.0	0.301099	Y



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Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

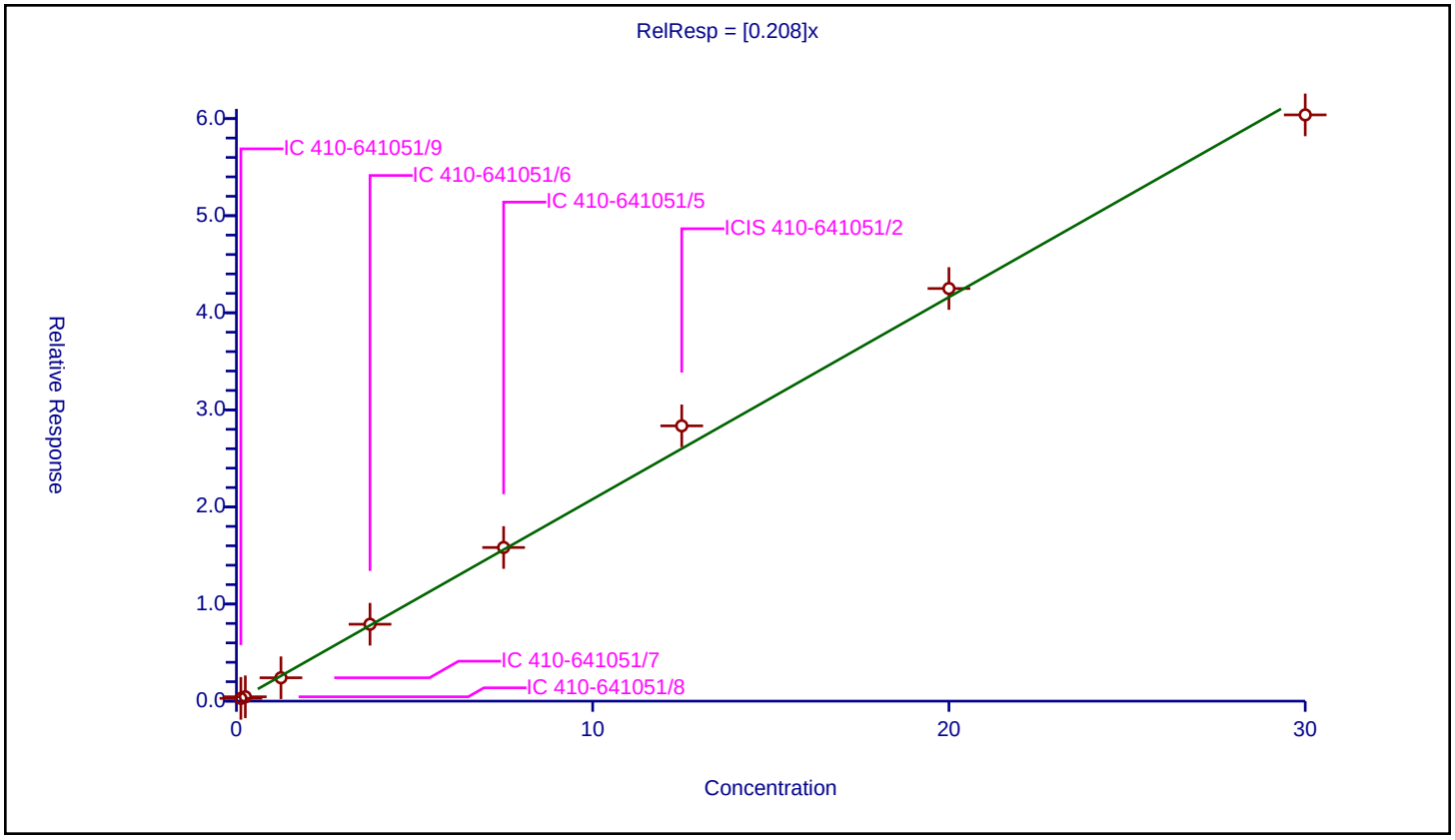
Curve Coefficients

Intercept:	0
Slope:	0.208

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.028745	5.0	776661.0	0.229959	Y
2	IC 410-641051/8	0.25	0.044732	5.0	763891.0	0.178926	Y
3	IC 410-641051/7	1.25	0.240791	5.0	753435.0	0.192632	Y
4	IC 410-641051/6	3.75	0.792105	5.0	780250.0	0.211228	Y
5	IC 410-641051/5	7.5	1.582503	5.0	728024.0	0.211	Y
6	ICIS 410-641051/2	12.5	2.83526	5.0	806658.0	0.226821	Y
7	IC 410-641051/4	20.0	4.249982	5.0	805341.0	0.212499	Y
8	IC 410-641051/3	30.0	6.038318	5.0	803087.0	0.201277	Y



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Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

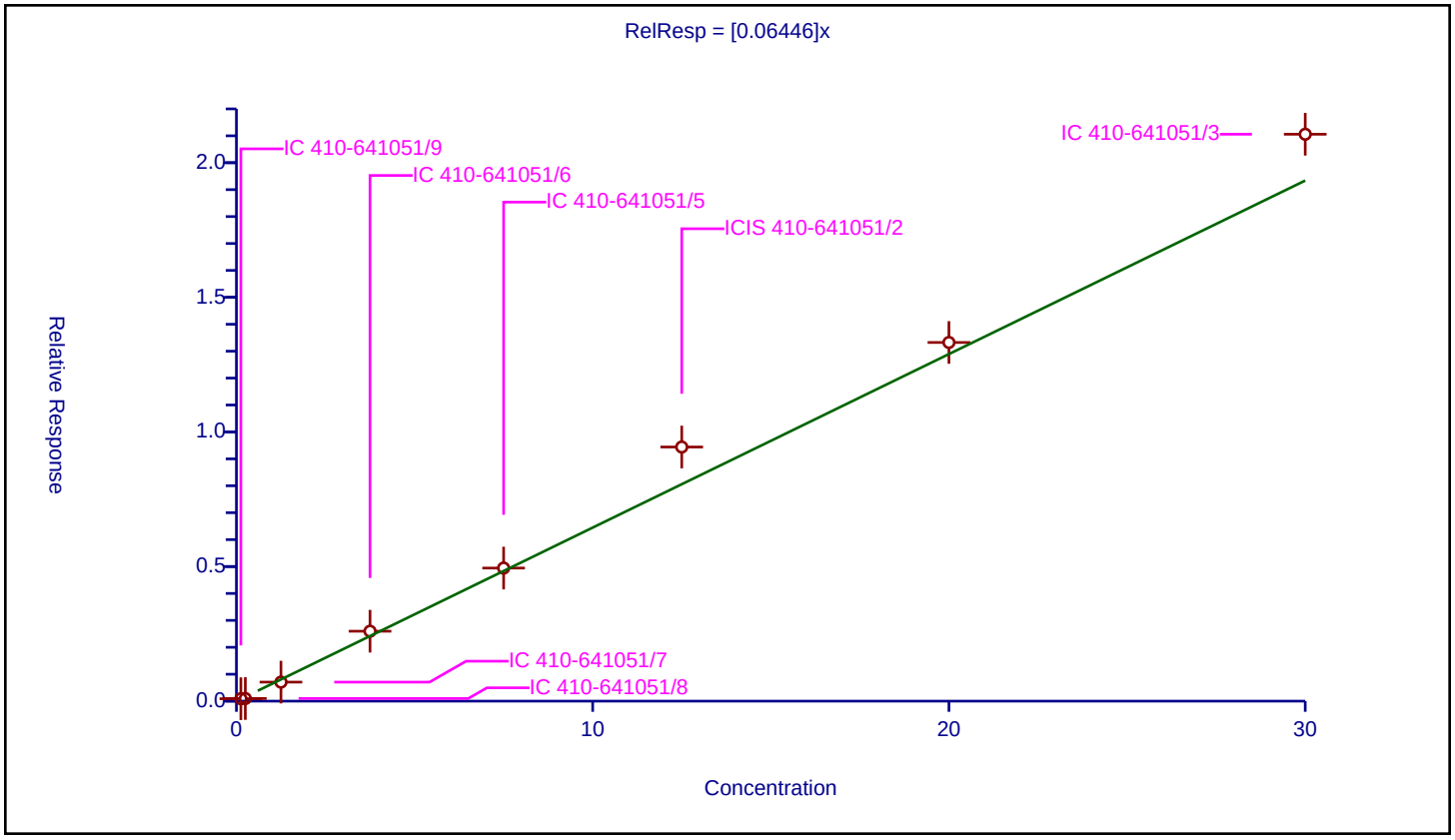
Curve Coefficients

Intercept:	0
Slope:	0.06446

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.009084	5.0	776661.0	0.07267	Y
2	IC 410-641051/8	0.25	0.009746	5.0	763891.0	0.038985	Y
3	IC 410-641051/7	1.25	0.07065	5.0	753435.0	0.05652	Y
4	IC 410-641051/6	3.75	0.259712	5.0	780250.0	0.069256	Y
5	IC 410-641051/5	7.5	0.494324	5.0	728024.0	0.06591	Y
6	ICIS 410-641051/2	12.5	0.943994	5.0	806658.0	0.075519	Y
7	IC 410-641051/4	20.0	1.332349	5.0	805341.0	0.066617	Y
8	IC 410-641051/3	30.0	2.105837	5.0	803087.0	0.070195	Y



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Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

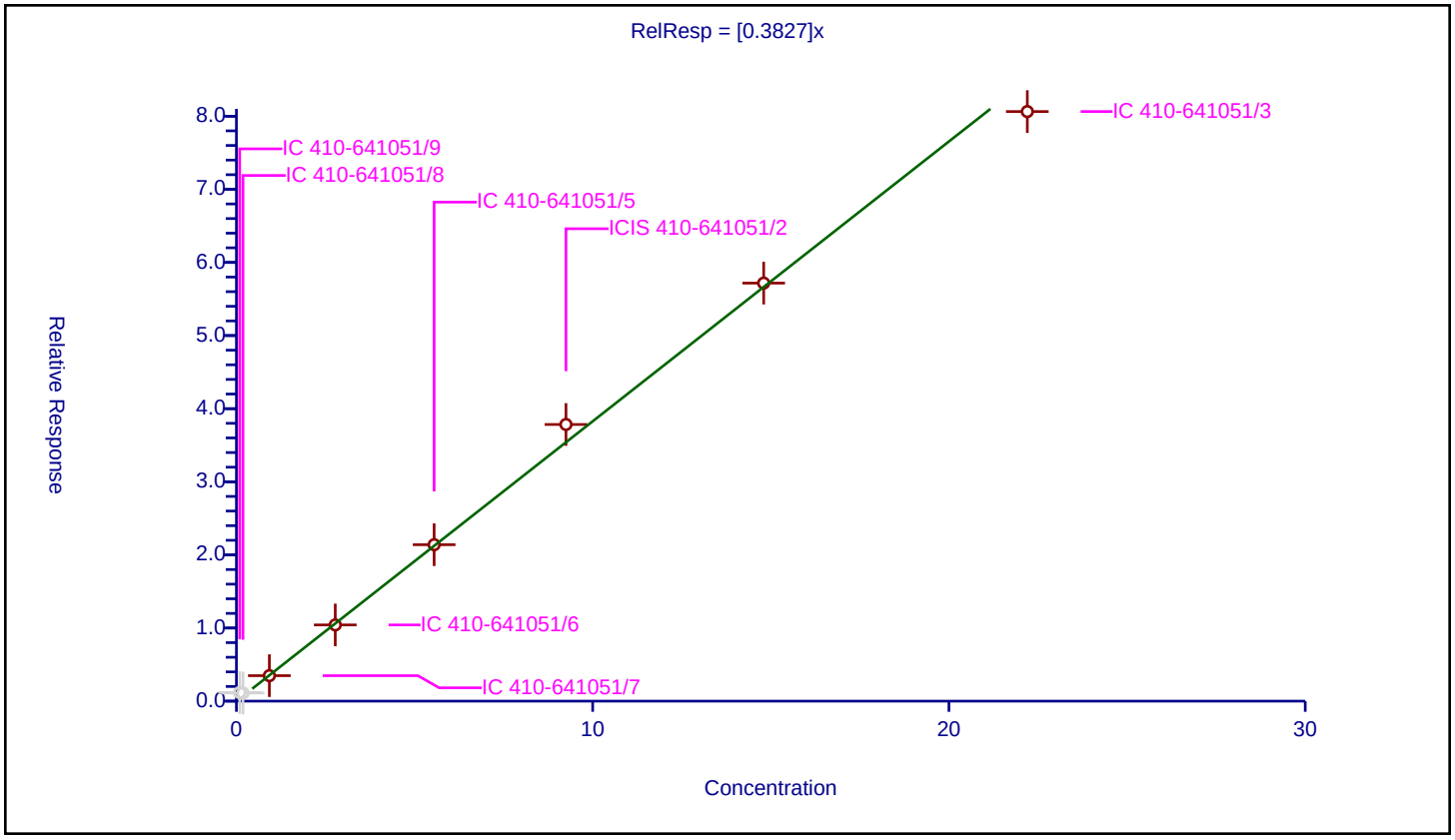
Curve Coefficients

Intercept:	0
Slope:	0.3827

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.0925	0.117703	5.0	776661.0	1.27246	N
2	IC 410-641051/8	0.185	0.110808	5.0	763891.0	0.598961	N
3	IC 410-641051/7	0.925	0.348252	5.0	753435.0	0.376488	Y
4	IC 410-641051/6	2.775	1.042525	5.0	780250.0	0.375685	Y
5	IC 410-641051/5	5.55	2.139655	5.0	728024.0	0.385523	Y
6	ICIS 410-641051/2	9.25	3.783853	5.0	806658.0	0.409065	Y
7	IC 410-641051/4	14.8	5.717367	5.0	805341.0	0.386309	Y
8	IC 410-641051/3	22.2	8.063647	5.0	803087.0	0.363227	Y



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Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

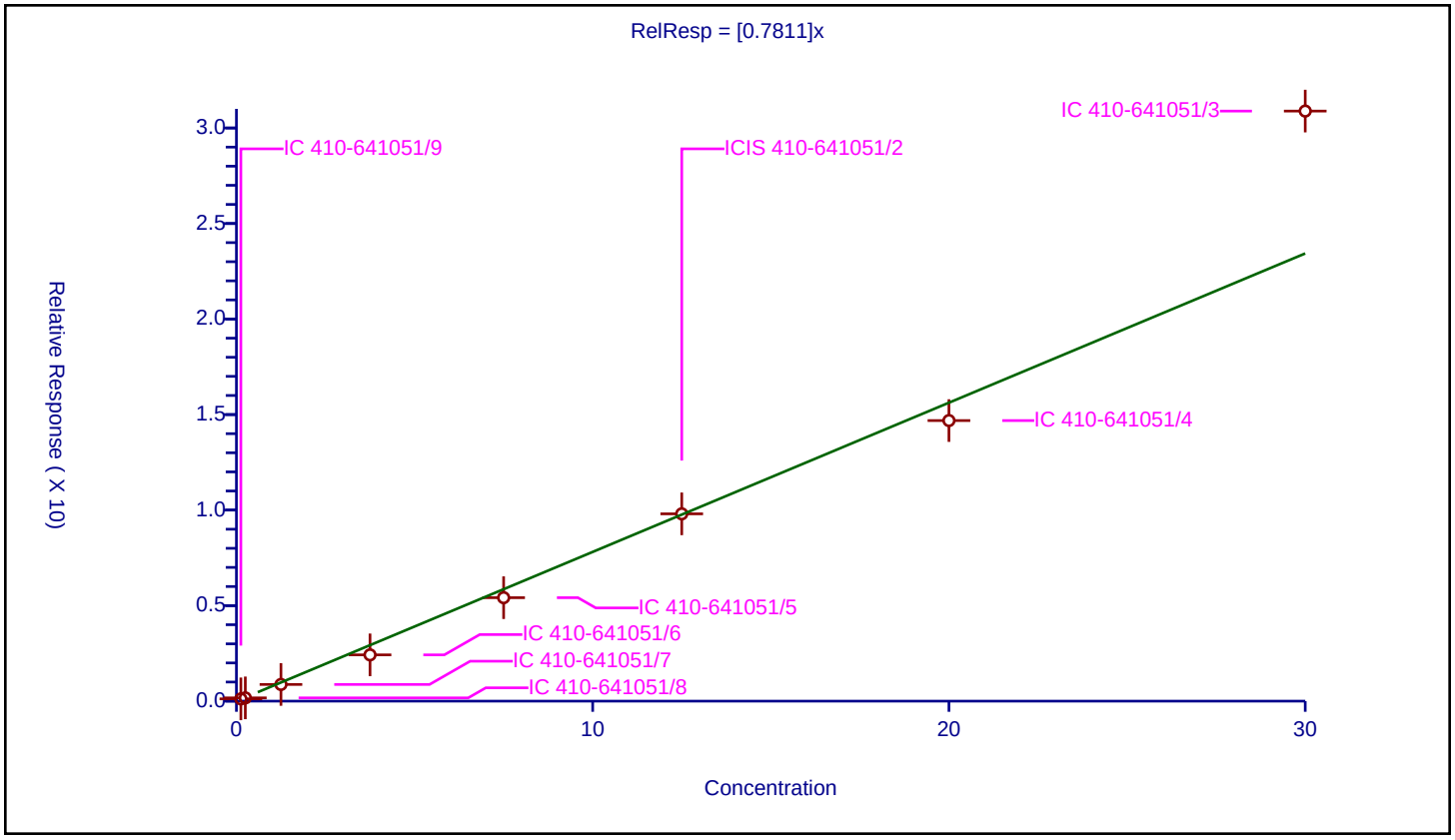
Curve Coefficients

Intercept:	0
Slope:	0.7811

Error Coefficients

Relative Standard Deviation:	17.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.118771	5.0	776661.0	0.95017	Y
2	IC 410-641051/8	0.25	0.170862	5.0	763891.0	0.683448	Y
3	IC 410-641051/7	1.25	0.873406	5.0	753435.0	0.698725	Y
4	IC 410-641051/6	3.75	2.422922	5.0	780250.0	0.646113	Y
5	IC 410-641051/5	7.5	5.415831	5.0	728024.0	0.722111	Y
6	ICIS 410-641051/2	12.5	9.804657	5.0	806658.0	0.784373	Y
7	IC 410-641051/4	20.0	14.686586	5.0	805341.0	0.734329	Y
8	IC 410-641051/3	30.0	30.885726	5.0	803087.0	1.029524	Y



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Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

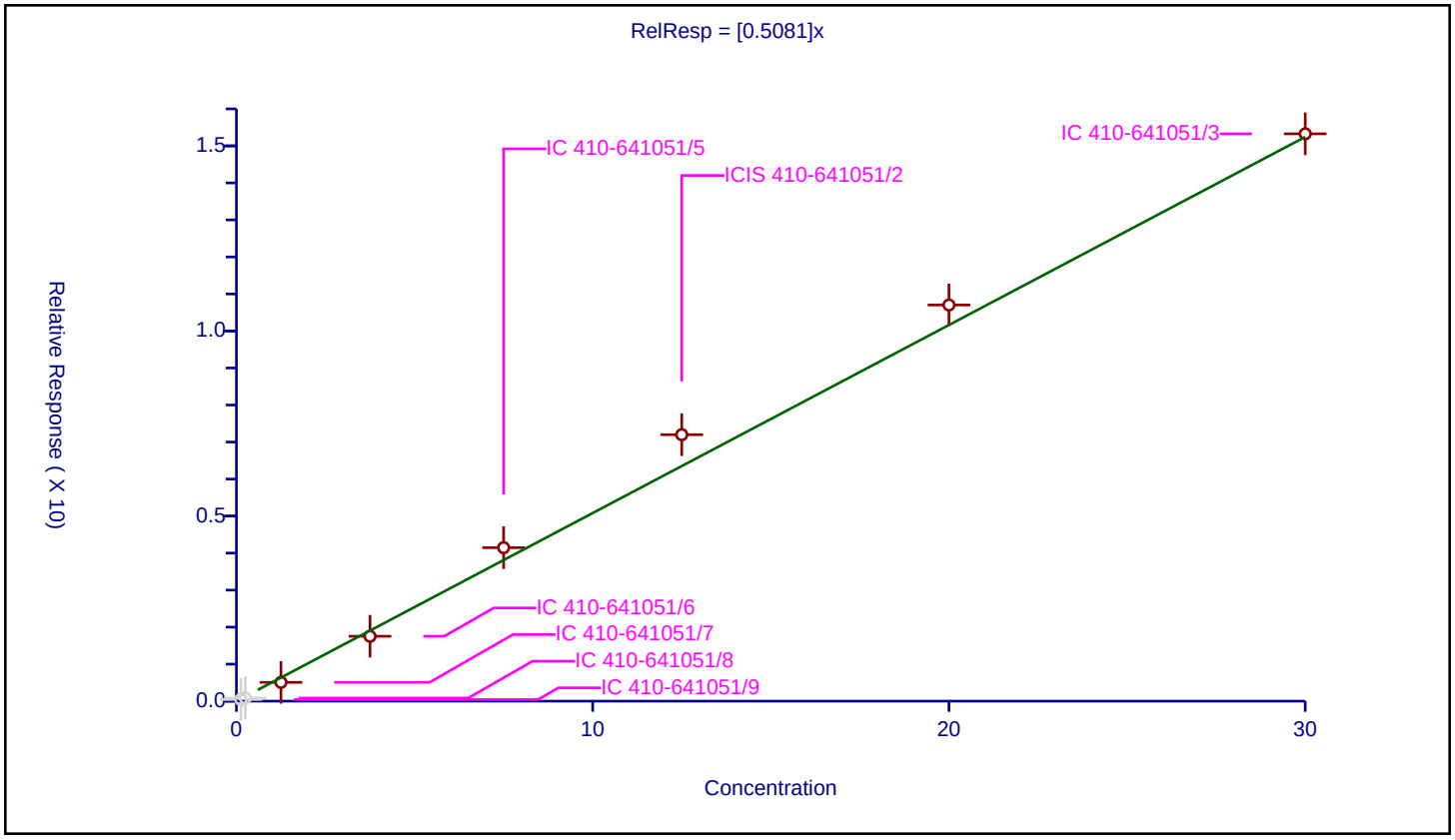
Curve Coefficients

Intercept:	0
Slope:	0.5081

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.044363	5.0	776661.0	0.354904	N
2	IC 410-641051/8	0.25	0.083827	5.0	763891.0	0.33531	N
3	IC 410-641051/7	1.25	0.507794	5.0	753435.0	0.406235	Y
4	IC 410-641051/6	3.75	1.753015	5.0	780250.0	0.467471	Y
5	IC 410-641051/5	7.5	4.146443	5.0	728024.0	0.552859	Y
6	ICIS 410-641051/2	12.5	7.1988	5.0	806658.0	0.575904	Y
7	IC 410-641051/4	20.0	10.702255	5.0	805341.0	0.535113	Y
8	IC 410-641051/3	30.0	15.326621	5.0	803087.0	0.510887	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

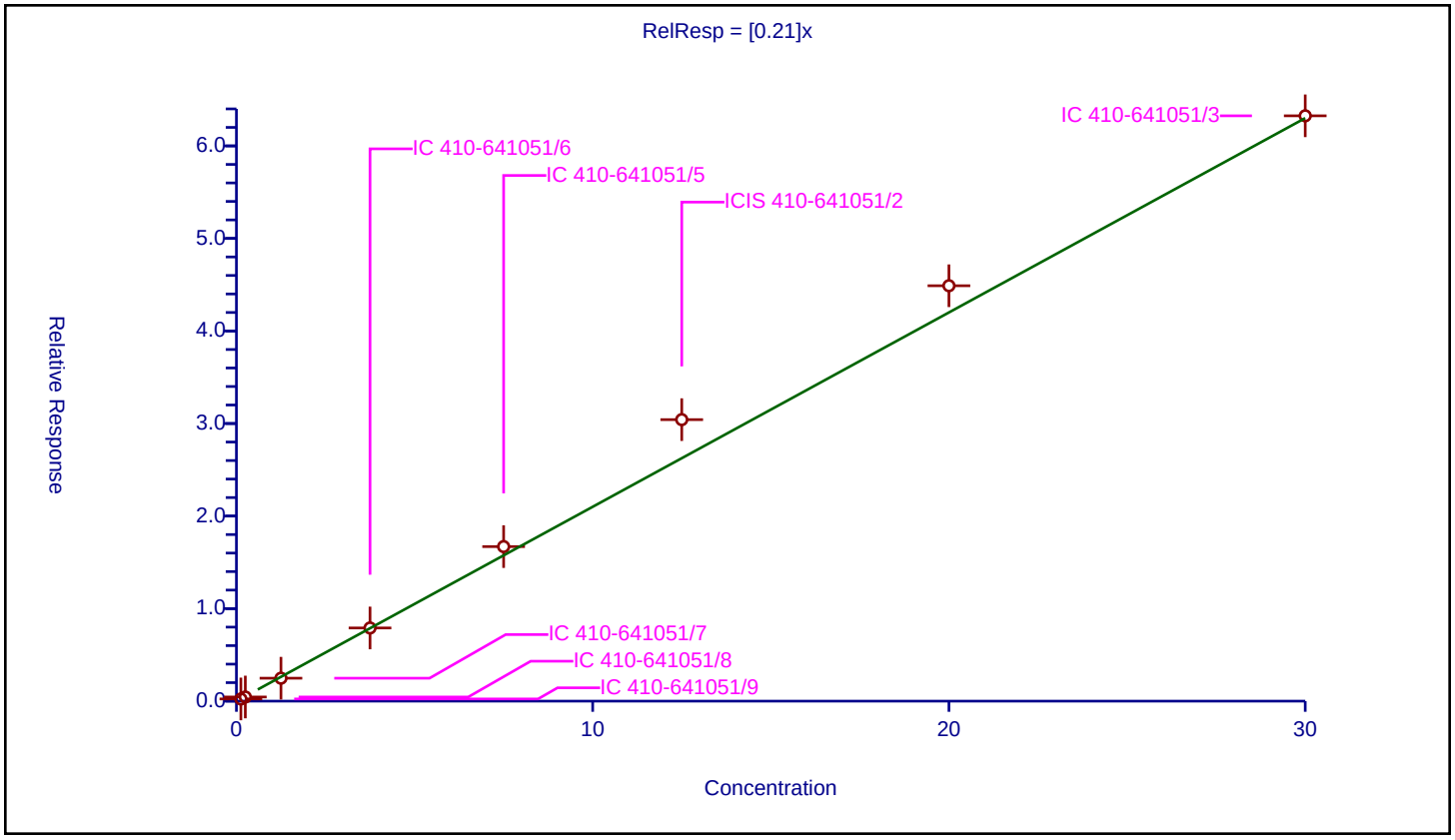
Curve Coefficients

Intercept:	0
Slope:	0.21

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.023813	5.0	776661.0	0.190508	Y
2	IC 410-641051/8	0.25	0.044777	5.0	763891.0	0.179109	Y
3	IC 410-641051/7	1.25	0.247871	5.0	753435.0	0.198297	Y
4	IC 410-641051/6	3.75	0.790753	5.0	780250.0	0.210867	Y
5	IC 410-641051/5	7.5	1.670034	5.0	728024.0	0.222671	Y
6	ICIS 410-641051/2	12.5	3.041921	5.0	806658.0	0.243354	Y
7	IC 410-641051/4	20.0	4.488999	5.0	805341.0	0.22445	Y
8	IC 410-641051/3	30.0	6.325087	5.0	803087.0	0.210836	Y



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Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

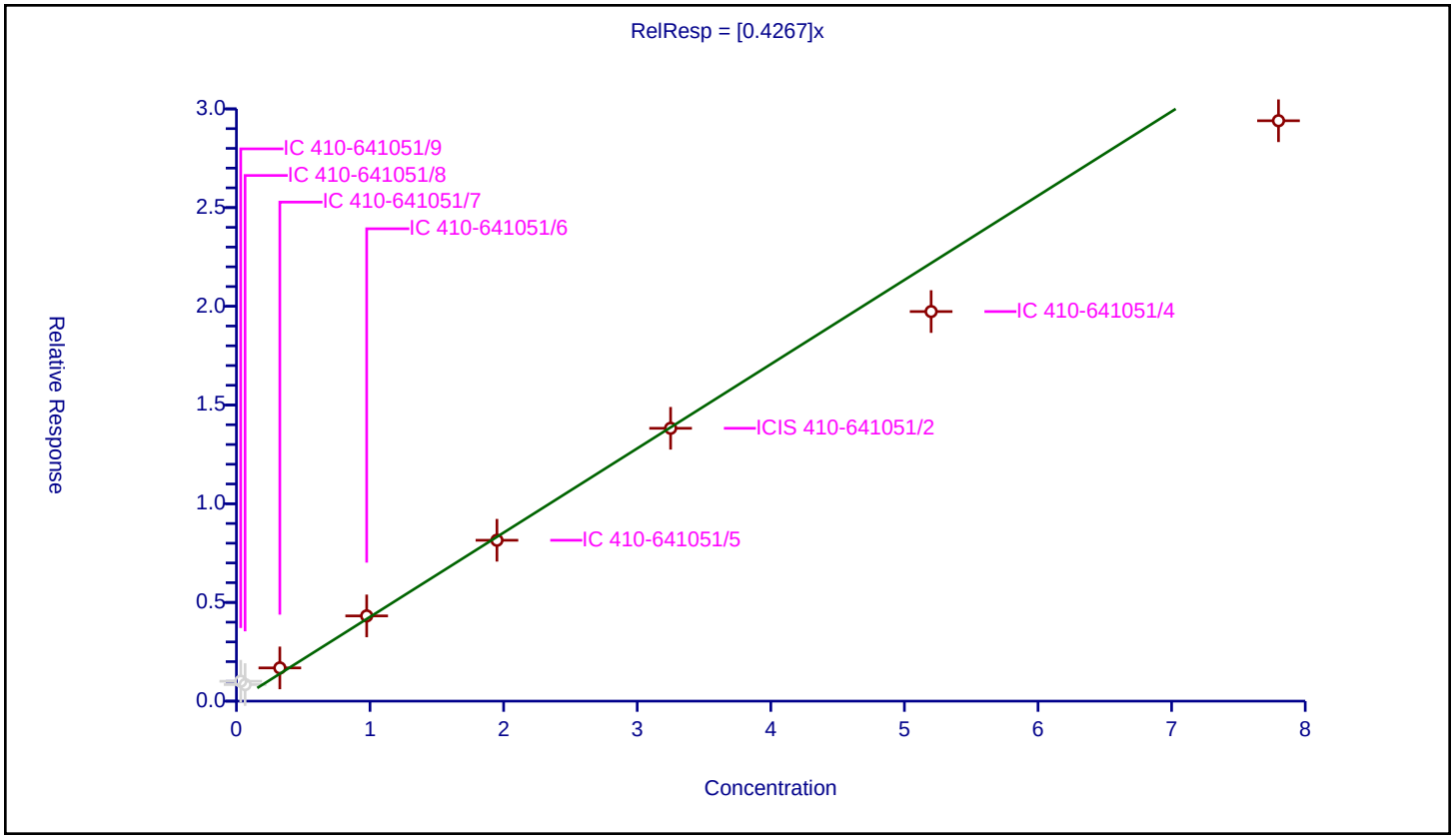
Curve Coefficients

Intercept:	0
Slope:	0.4267

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.0325	0.100694	5.0	776661.0	3.098273	N
2	IC 410-641051/8	0.065	0.08388	5.0	763891.0	1.290458	N
3	IC 410-641051/7	0.325	0.168243	5.0	753435.0	0.51767	Y
4	IC 410-641051/6	0.975	0.431817	5.0	780250.0	0.442889	Y
5	IC 410-641051/5	1.95	0.814959	5.0	728024.0	0.417928	Y
6	ICIS 410-641051/2	3.25	1.382116	5.0	806658.0	0.425266	Y
7	IC 410-641051/4	5.2	1.973419	5.0	805341.0	0.379504	Y
8	IC 410-641051/3	7.8	2.940011	5.0	803087.0	0.376925	Y



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Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

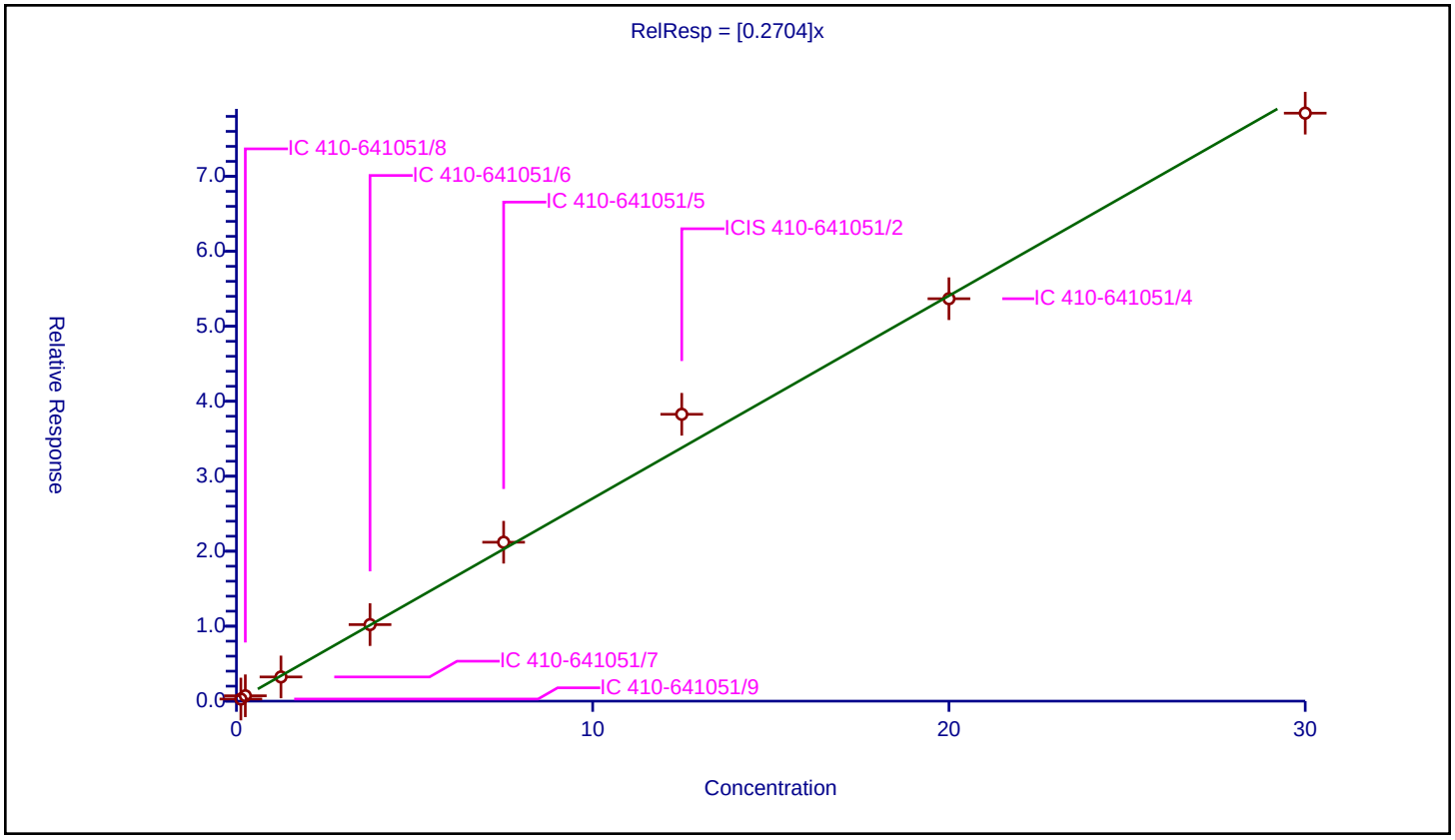
Curve Coefficients

Intercept:	0
Slope:	0.2704

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.028378	5.0	776661.0	0.227023	Y
2	IC 410-641051/8	0.25	0.071738	5.0	763891.0	0.286952	Y
3	IC 410-641051/7	1.25	0.322748	5.0	753435.0	0.258199	Y
4	IC 410-641051/6	3.75	1.020737	5.0	780250.0	0.272197	Y
5	IC 410-641051/5	7.5	2.119855	5.0	728024.0	0.282647	Y
6	ICIS 410-641051/2	12.5	3.826355	5.0	806658.0	0.306108	Y
7	IC 410-641051/4	20.0	5.367906	5.0	805341.0	0.268395	Y
8	IC 410-641051/3	30.0	7.84331	5.0	803087.0	0.261444	Y



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Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

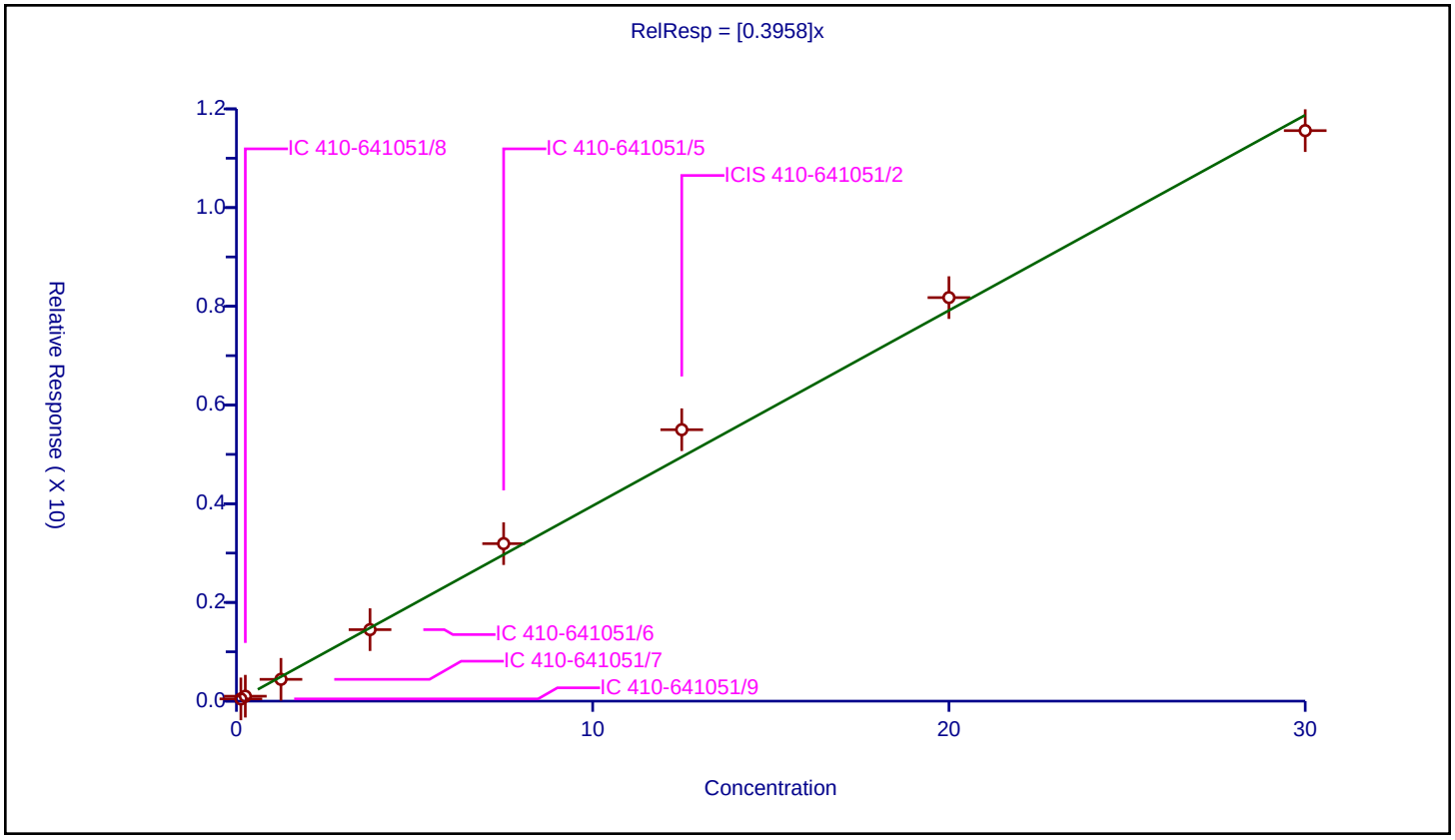
Curve Coefficients

Intercept:	0
Slope:	0.3958

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.045702	5.0	776661.0	0.365616	Y
2	IC 410-641051/8	0.25	0.100342	5.0	763891.0	0.401366	Y
3	IC 410-641051/7	1.25	0.441949	5.0	753435.0	0.353559	Y
4	IC 410-641051/6	3.75	1.448484	5.0	780250.0	0.386263	Y
5	IC 410-641051/5	7.5	3.191385	5.0	728024.0	0.425518	Y
6	ICIS 410-641051/2	12.5	5.499883	5.0	806658.0	0.439991	Y
7	IC 410-641051/4	20.0	8.176673	5.0	805341.0	0.408834	Y
8	IC 410-641051/3	30.0	11.559843	5.0	803087.0	0.385328	Y



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Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

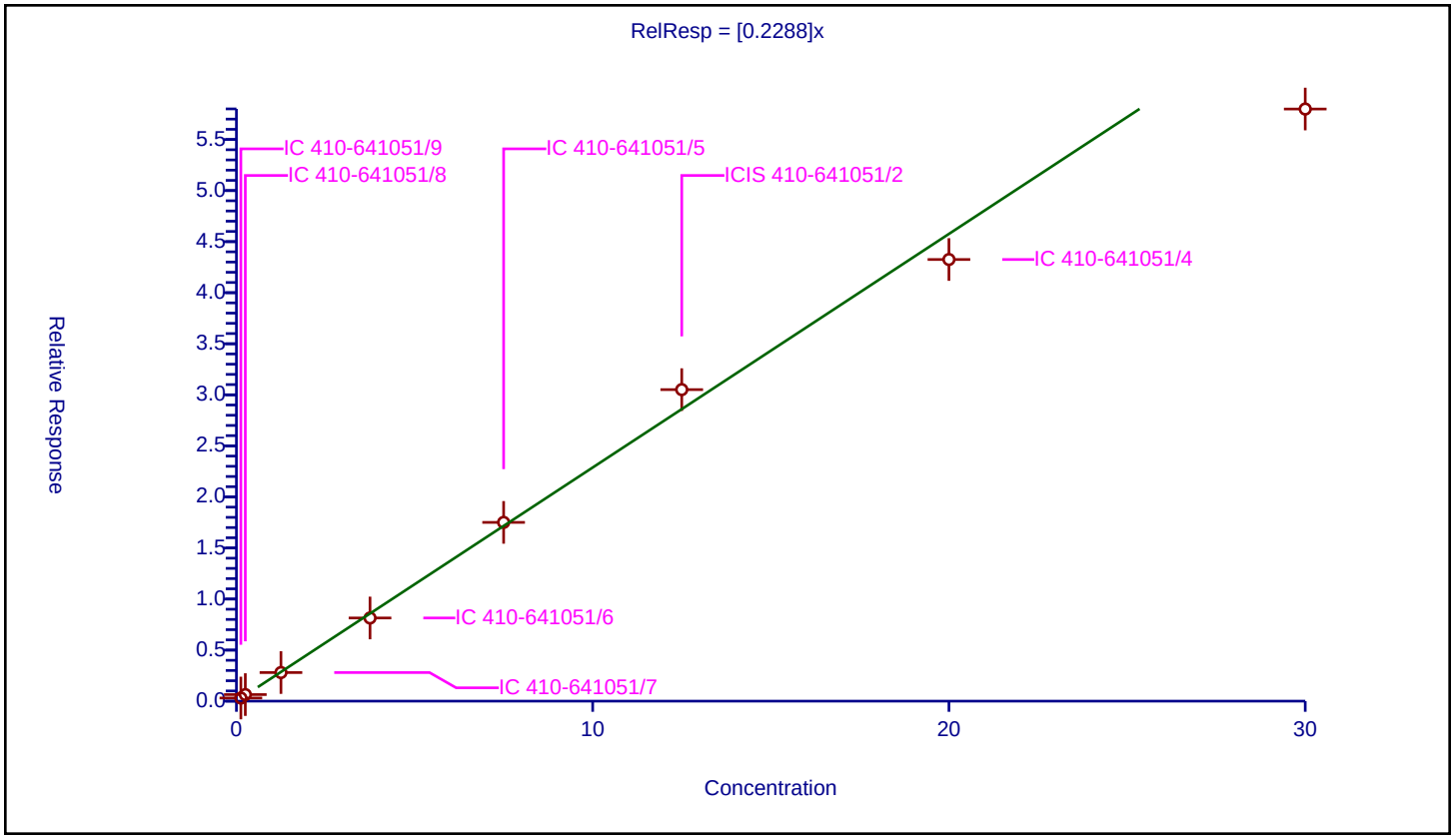
Curve Coefficients

Intercept:	0
Slope:	0.2288

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.030663	5.0	776661.0	0.245307	Y
2	IC 410-641051/8	0.25	0.064191	5.0	763891.0	0.256764	Y
3	IC 410-641051/7	1.25	0.280037	5.0	753435.0	0.22403	Y
4	IC 410-641051/6	3.75	0.814418	5.0	780250.0	0.217178	Y
5	IC 410-641051/5	7.5	1.750588	5.0	728024.0	0.233412	Y
6	ICIS 410-641051/2	12.5	3.050748	5.0	806658.0	0.24406	Y
7	IC 410-641051/4	20.0	4.325044	5.0	805341.0	0.216252	Y
8	IC 410-641051/3	30.0	5.798569	5.0	803087.0	0.193286	Y



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Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

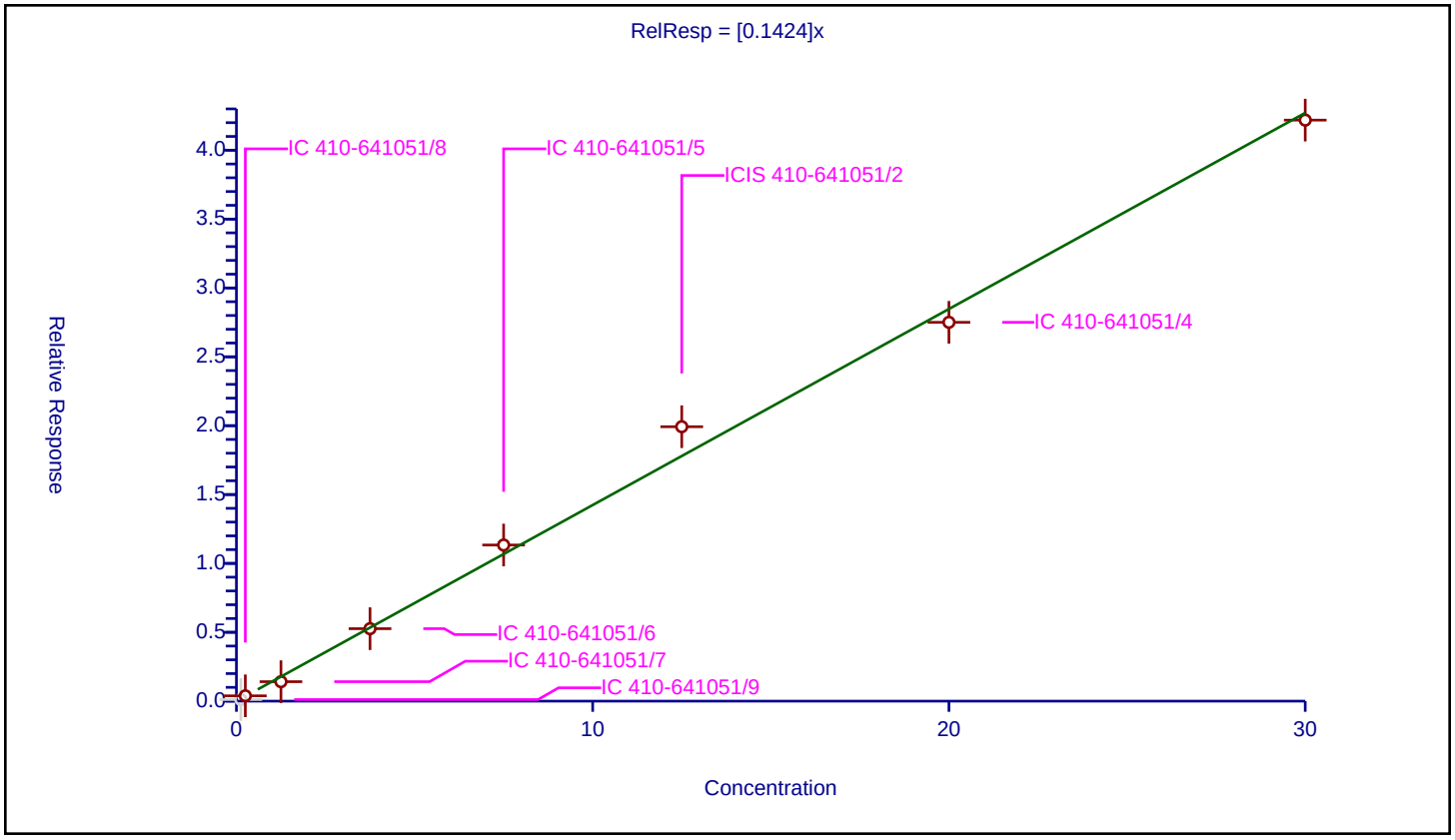
Curve Coefficients

Intercept:	0
Slope:	0.1424

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.011472	5.0	776661.0	0.091777	N
2	IC 410-641051/8	0.25	0.038631	5.0	763891.0	0.154525	Y
3	IC 410-641051/7	1.25	0.141286	5.0	753435.0	0.113029	Y
4	IC 410-641051/6	3.75	0.526152	5.0	780250.0	0.140307	Y
5	IC 410-641051/5	7.5	1.133479	5.0	728024.0	0.151131	Y
6	ICIS 410-641051/2	12.5	1.992406	5.0	806658.0	0.159392	Y
7	IC 410-641051/4	20.0	2.750468	5.0	805341.0	0.137523	Y
8	IC 410-641051/3	30.0	4.218671	5.0	803087.0	0.140622	Y



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Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

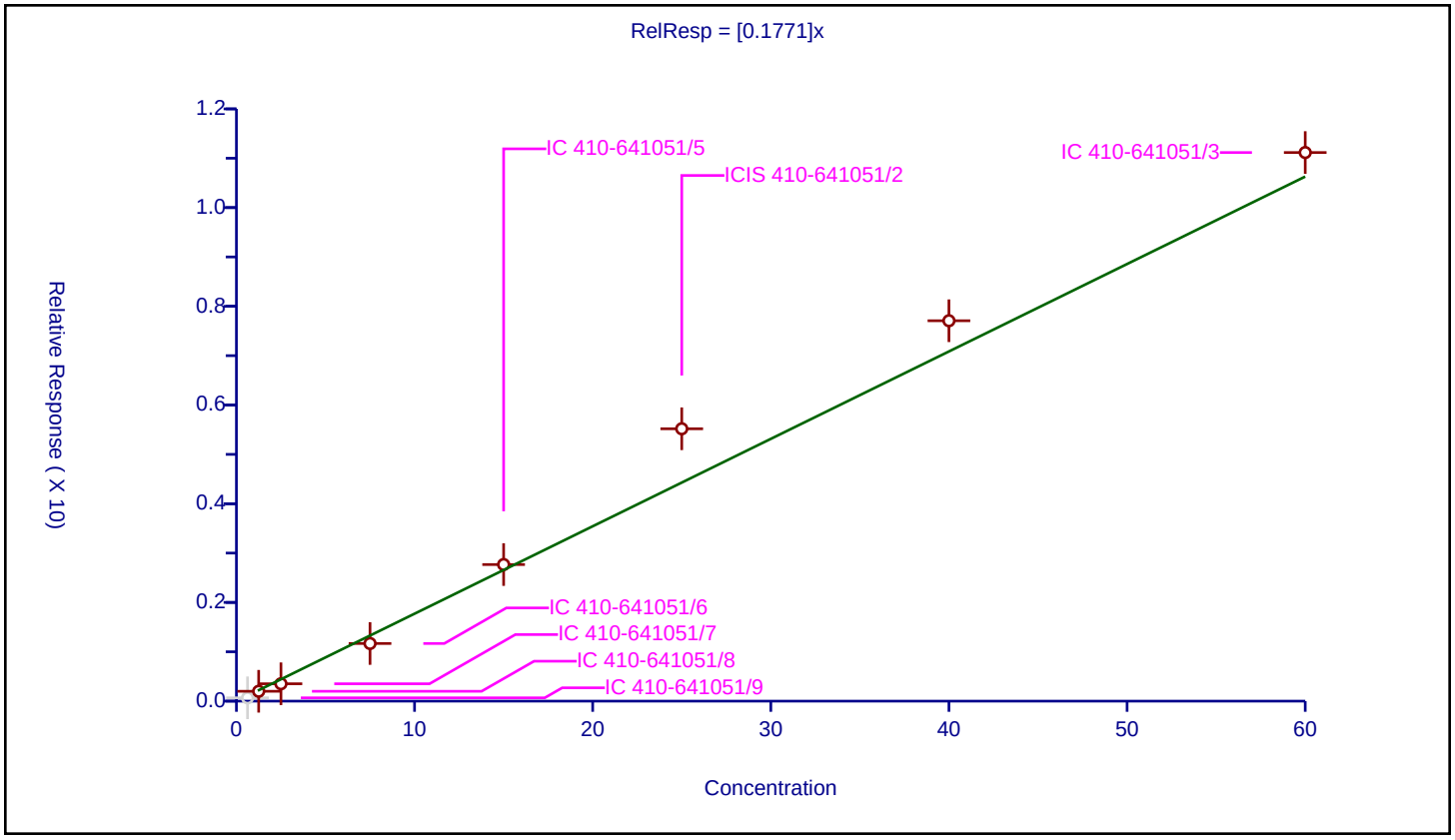
Curve Coefficients

Intercept:	0
Slope:	0.1771

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.625	0.067275	5.0	776661.0	0.10764	N
2	IC 410-641051/8	1.25	0.200159	5.0	763891.0	0.160128	Y
3	IC 410-641051/7	2.5	0.352068	5.0	753435.0	0.140827	Y
4	IC 410-641051/6	7.5	1.168337	5.0	780250.0	0.155778	Y
5	IC 410-641051/5	15.0	2.76758	5.0	728024.0	0.184505	Y
6	ICIS 410-641051/2	25.0	5.518838	5.0	806658.0	0.220754	Y
7	IC 410-641051/4	40.0	7.707511	5.0	805341.0	0.192688	Y
8	IC 410-641051/3	60.0	11.115726	5.0	803087.0	0.185262	Y



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Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

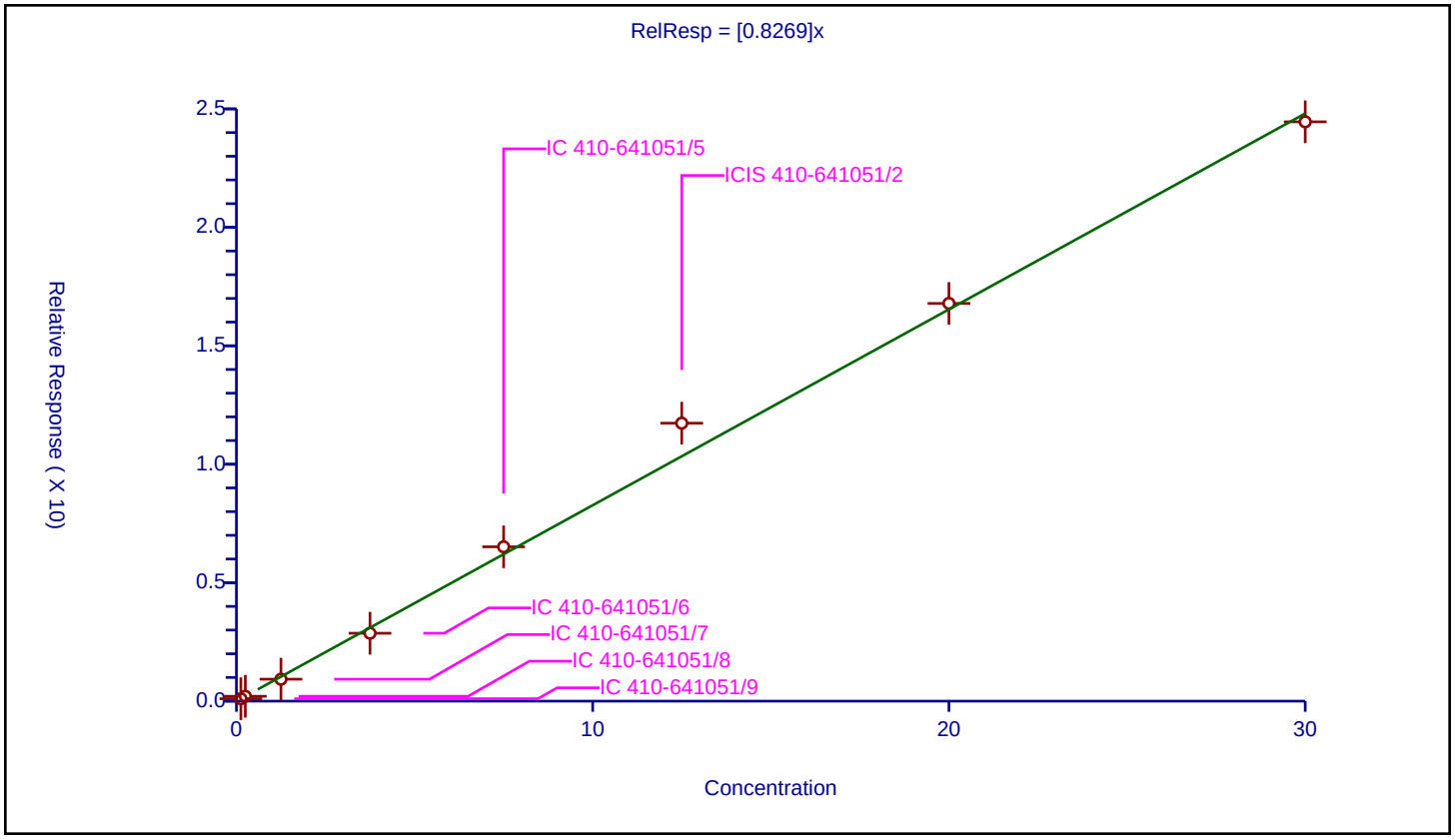
Curve Coefficients

Intercept:	0
Slope:	0.8269

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.103024	5.0	776661.0	0.824195	Y
2	IC 410-641051/8	0.25	0.205756	5.0	763891.0	0.823023	Y
3	IC 410-641051/7	1.25	0.927067	5.0	753435.0	0.741654	Y
4	IC 410-641051/6	3.75	2.866171	5.0	780250.0	0.764312	Y
5	IC 410-641051/5	7.5	6.51438	5.0	728024.0	0.868584	Y
6	ICIS 410-641051/2	12.5	11.733337	5.0	806658.0	0.938667	Y
7	IC 410-641051/4	20.0	16.788603	5.0	805341.0	0.83943	Y
8	IC 410-641051/3	30.0	24.454468	5.0	803087.0	0.815149	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

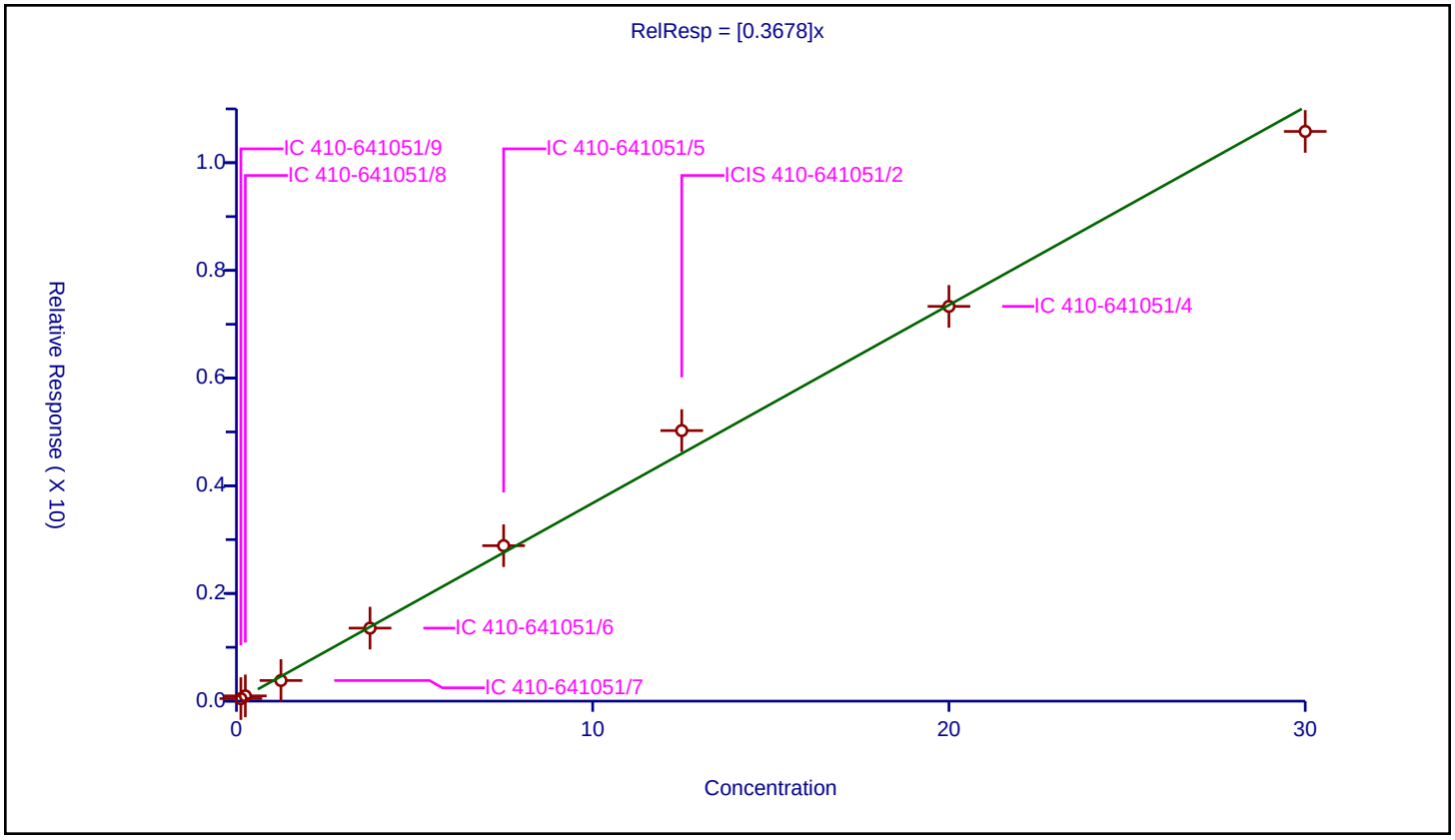
Curve Coefficients

Intercept:	0
Slope:	0.3678

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.047254	5.0	776661.0	0.378029	Y
2	IC 410-641051/8	0.25	0.097612	5.0	763891.0	0.390448	Y
3	IC 410-641051/7	1.25	0.383006	5.0	753435.0	0.306405	Y
4	IC 410-641051/6	3.75	1.355937	5.0	780250.0	0.361583	Y
5	IC 410-641051/5	7.5	2.887226	5.0	728024.0	0.384963	Y
6	ICIS 410-641051/2	12.5	5.02449	5.0	806658.0	0.401959	Y
7	IC 410-641051/4	20.0	7.331913	5.0	805341.0	0.366596	Y
8	IC 410-641051/3	30.0	10.581612	5.0	803087.0	0.35272	Y



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Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

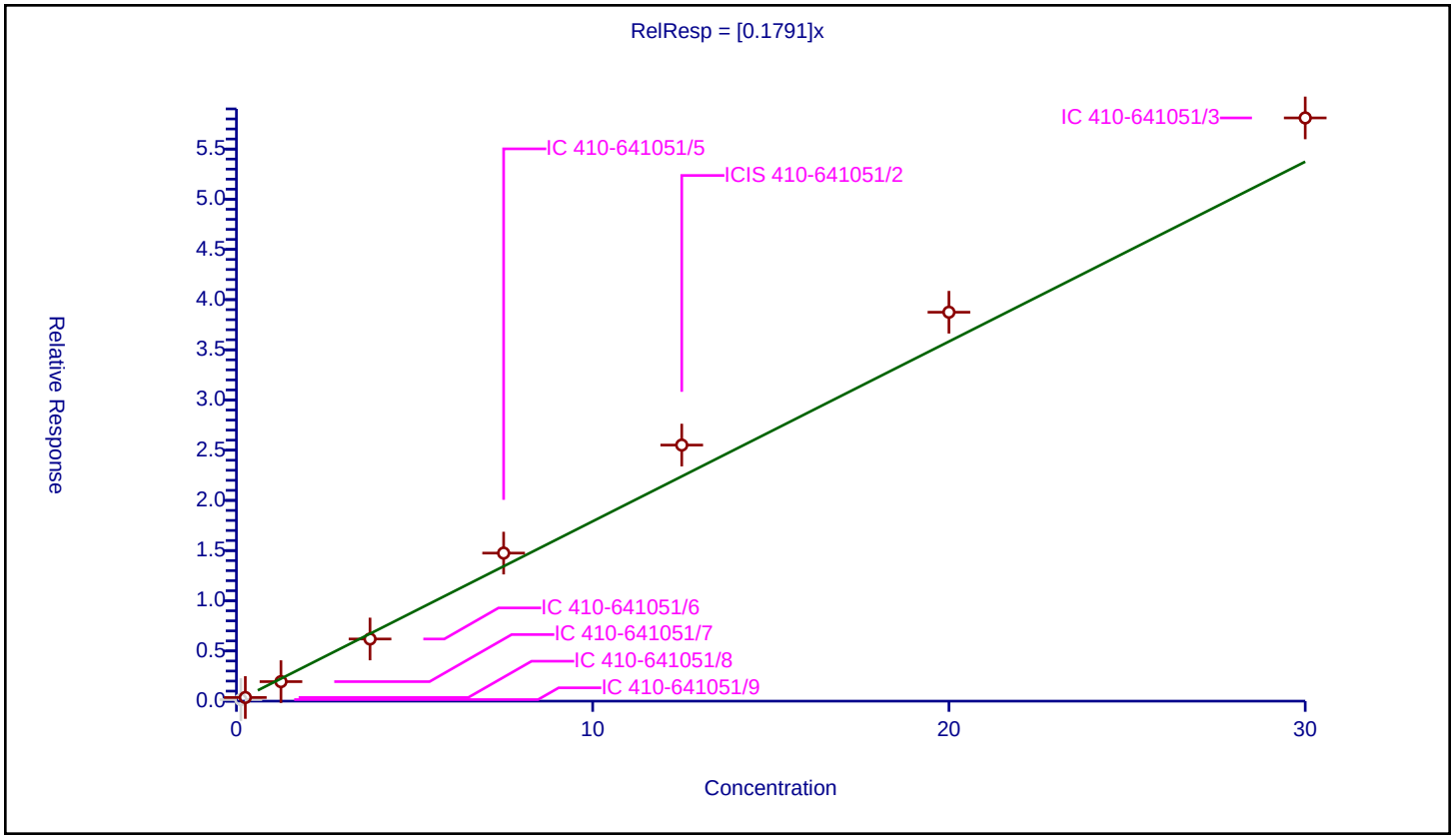
Curve Coefficients

Intercept:	0
Slope:	0.1791

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.015393	5.0	776661.0	0.123143	N
2	IC 410-641051/8	0.25	0.036314	5.0	763891.0	0.145256	Y
3	IC 410-641051/7	1.25	0.19429	5.0	753435.0	0.155432	Y
4	IC 410-641051/6	3.75	0.619135	5.0	780250.0	0.165103	Y
5	IC 410-641051/5	7.5	1.474896	5.0	728024.0	0.196653	Y
6	ICIS 410-641051/2	12.5	2.550982	5.0	806658.0	0.204079	Y
7	IC 410-641051/4	20.0	3.874396	5.0	805341.0	0.19372	Y
8	IC 410-641051/3	30.0	5.810049	5.0	803087.0	0.193668	Y



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Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

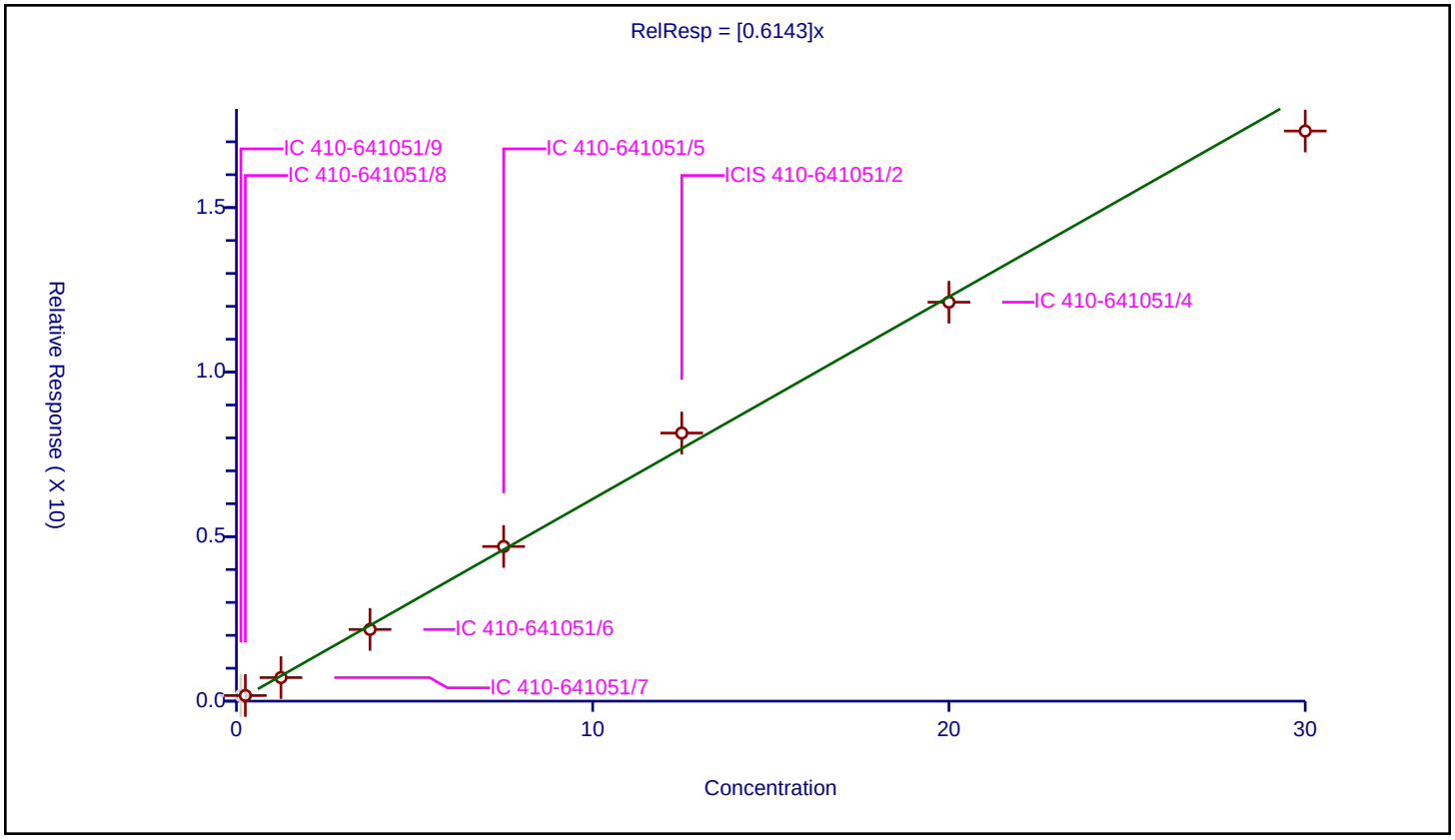
Curve Coefficients

Intercept:	0
Slope:	0.6143

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.169244	5.0	776661.0	1.35395	N
2	IC 410-641051/8	0.25	0.170928	5.0	763891.0	0.68371	Y
3	IC 410-641051/7	1.25	0.716306	5.0	753435.0	0.573045	Y
4	IC 410-641051/6	3.75	2.179712	5.0	780250.0	0.581256	Y
5	IC 410-641051/5	7.5	4.700216	5.0	728024.0	0.626695	Y
6	ICIS 410-641051/2	12.5	8.148435	5.0	806658.0	0.651875	Y
7	IC 410-641051/4	20.0	12.125311	5.0	805341.0	0.606266	Y
8	IC 410-641051/3	30.0	17.327606	5.0	803087.0	0.577587	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

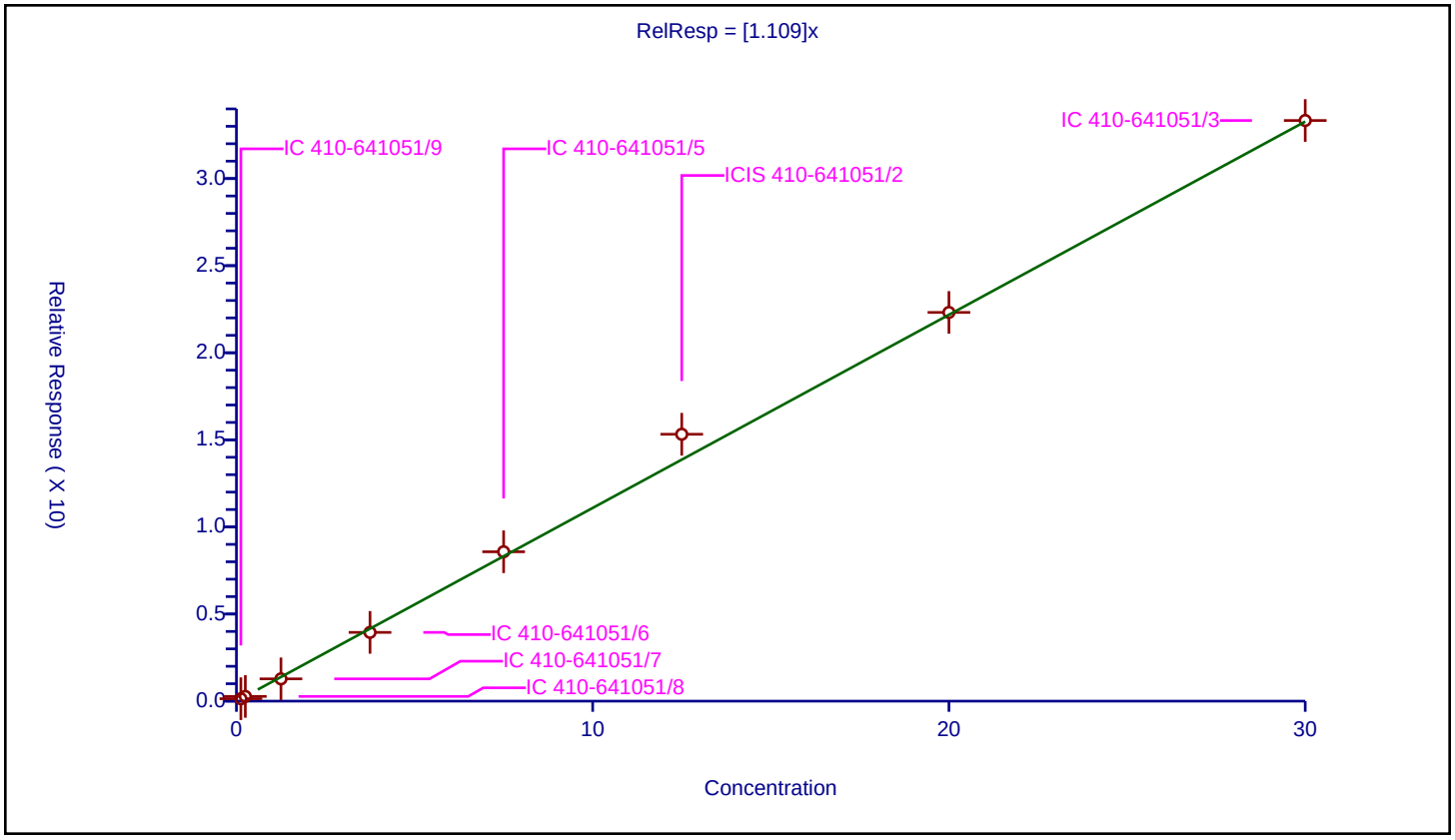
Curve Coefficients

Intercept:	0
Slope:	1.109

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.139636	5.0	776661.0	1.11709	Y
2	IC 410-641051/8	0.25	0.271033	5.0	763891.0	1.084134	Y
3	IC 410-641051/7	1.25	1.278571	5.0	753435.0	1.022857	Y
4	IC 410-641051/6	3.75	3.946607	5.0	780250.0	1.052428	Y
5	IC 410-641051/5	7.5	8.575658	5.0	728024.0	1.143421	Y
6	ICIS 410-641051/2	12.5	15.320997	5.0	806658.0	1.22568	Y
7	IC 410-641051/4	20.0	22.315175	5.0	805341.0	1.115759	Y
8	IC 410-641051/3	30.0	33.333356	5.0	803087.0	1.111112	Y



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Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

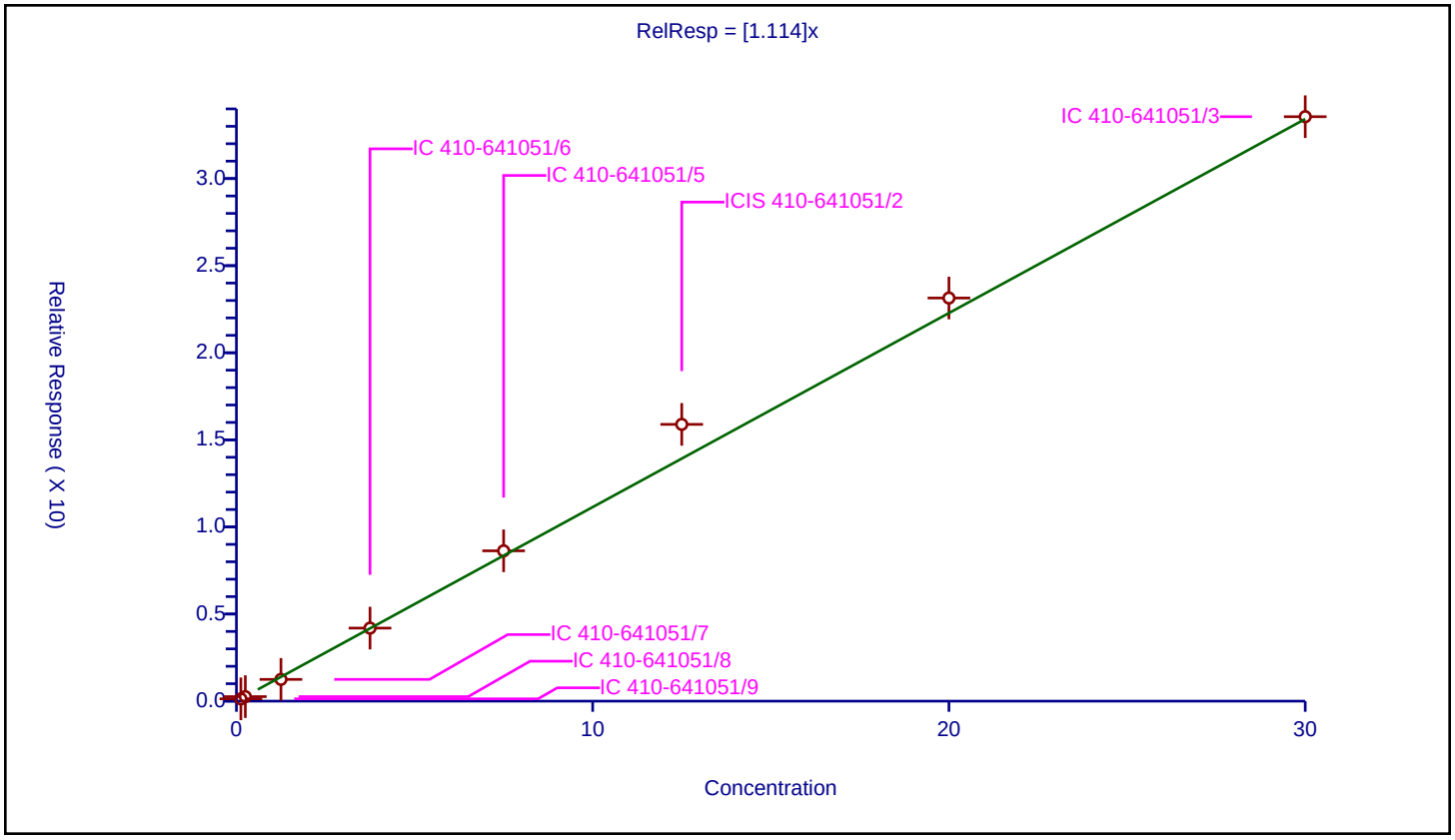
Curve Coefficients

Intercept:	0
Slope:	1.114

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.132851	5.0	776661.0	1.062806	Y
2	IC 410-641051/8	0.25	0.258623	5.0	763891.0	1.034493	Y
3	IC 410-641051/7	1.25	1.248887	5.0	753435.0	0.999109	Y
4	IC 410-641051/6	3.75	4.193047	5.0	780250.0	1.118146	Y
5	IC 410-641051/5	7.5	8.628802	5.0	728024.0	1.150507	Y
6	ICIS 410-641051/2	12.5	15.888716	5.0	806658.0	1.271097	Y
7	IC 410-641051/4	20.0	23.141967	5.0	805341.0	1.157098	Y
8	IC 410-641051/3	30.0	33.551608	5.0	803087.0	1.118387	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

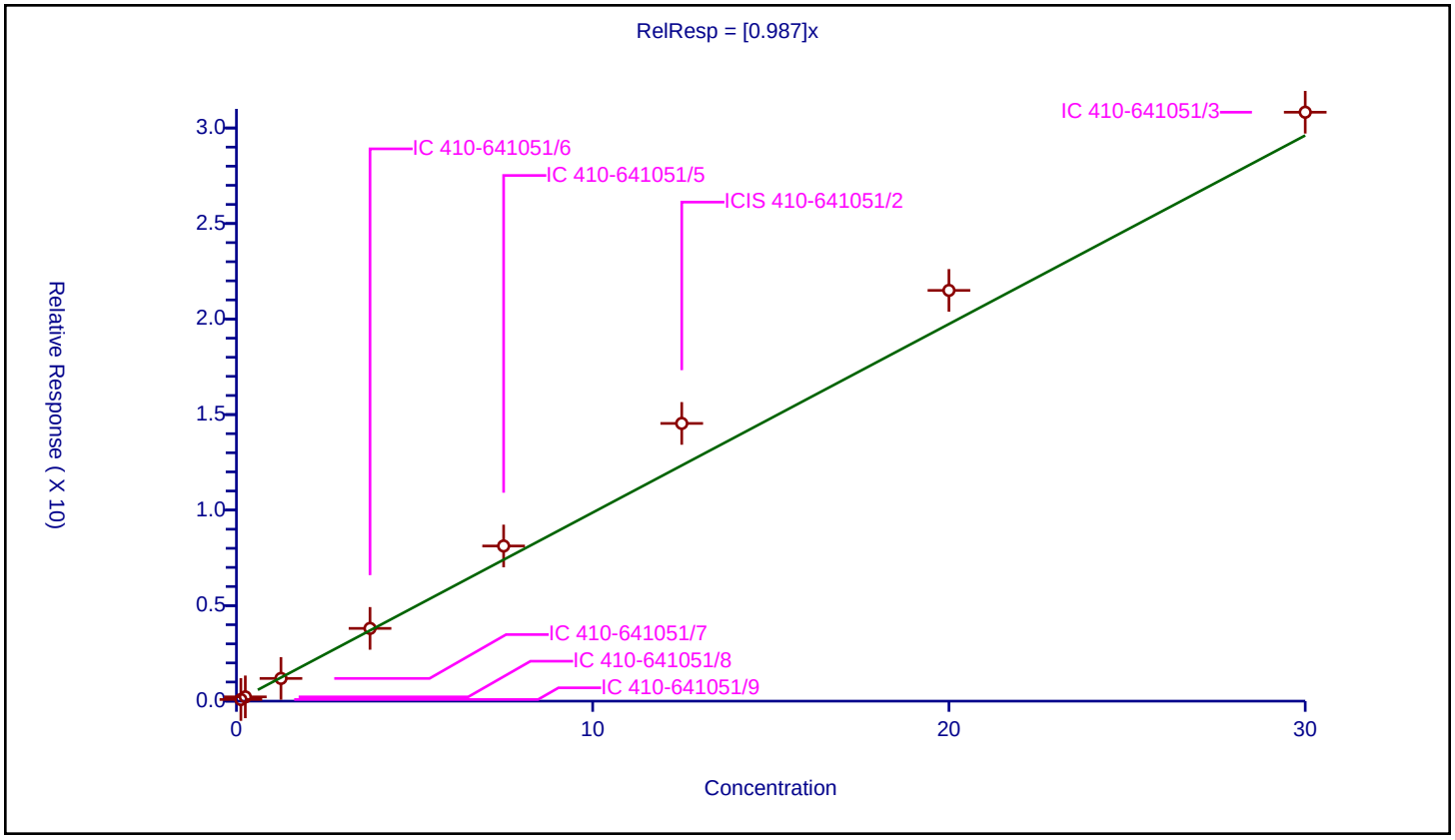
Curve Coefficients

Intercept:	0
Slope:	0.987

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.086061	5.0	776661.0	0.688486	Y
2	IC 410-641051/8	0.25	0.223252	5.0	763891.0	0.893007	Y
3	IC 410-641051/7	1.25	1.188298	5.0	753435.0	0.950638	Y
4	IC 410-641051/6	3.75	3.807837	5.0	780250.0	1.015423	Y
5	IC 410-641051/5	7.5	8.121896	5.0	728024.0	1.082919	Y
6	ICIS 410-641051/2	12.5	14.53647	5.0	806658.0	1.162918	Y
7	IC 410-641051/4	20.0	21.499135	5.0	805341.0	1.074957	Y
8	IC 410-641051/3	30.0	30.825776	5.0	803087.0	1.027526	Y



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Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

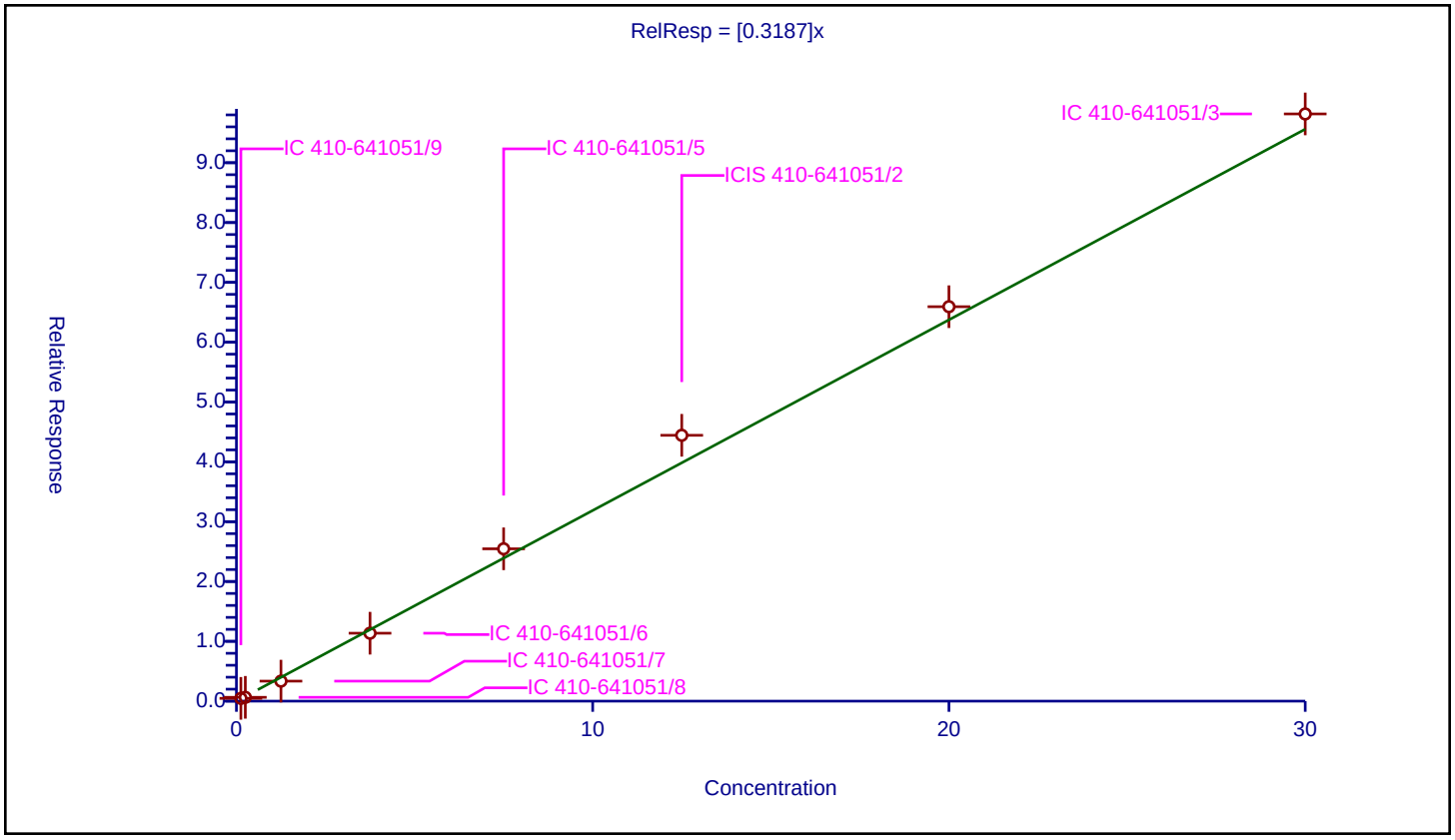
Curve Coefficients

Intercept:	0
Slope:	0.3187

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.04641	5.0	776661.0	0.371282	Y
2	IC 410-641051/8	0.25	0.063949	5.0	763891.0	0.255796	Y
3	IC 410-641051/7	1.25	0.334674	5.0	753435.0	0.267739	Y
4	IC 410-641051/6	3.75	1.135662	5.0	780250.0	0.302843	Y
5	IC 410-641051/5	7.5	2.546544	5.0	728024.0	0.339539	Y
6	ICIS 410-641051/2	12.5	4.443686	5.0	806658.0	0.355495	Y
7	IC 410-641051/4	20.0	6.593443	5.0	805341.0	0.329672	Y
8	IC 410-641051/3	30.0	9.815674	5.0	803087.0	0.327189	Y



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Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

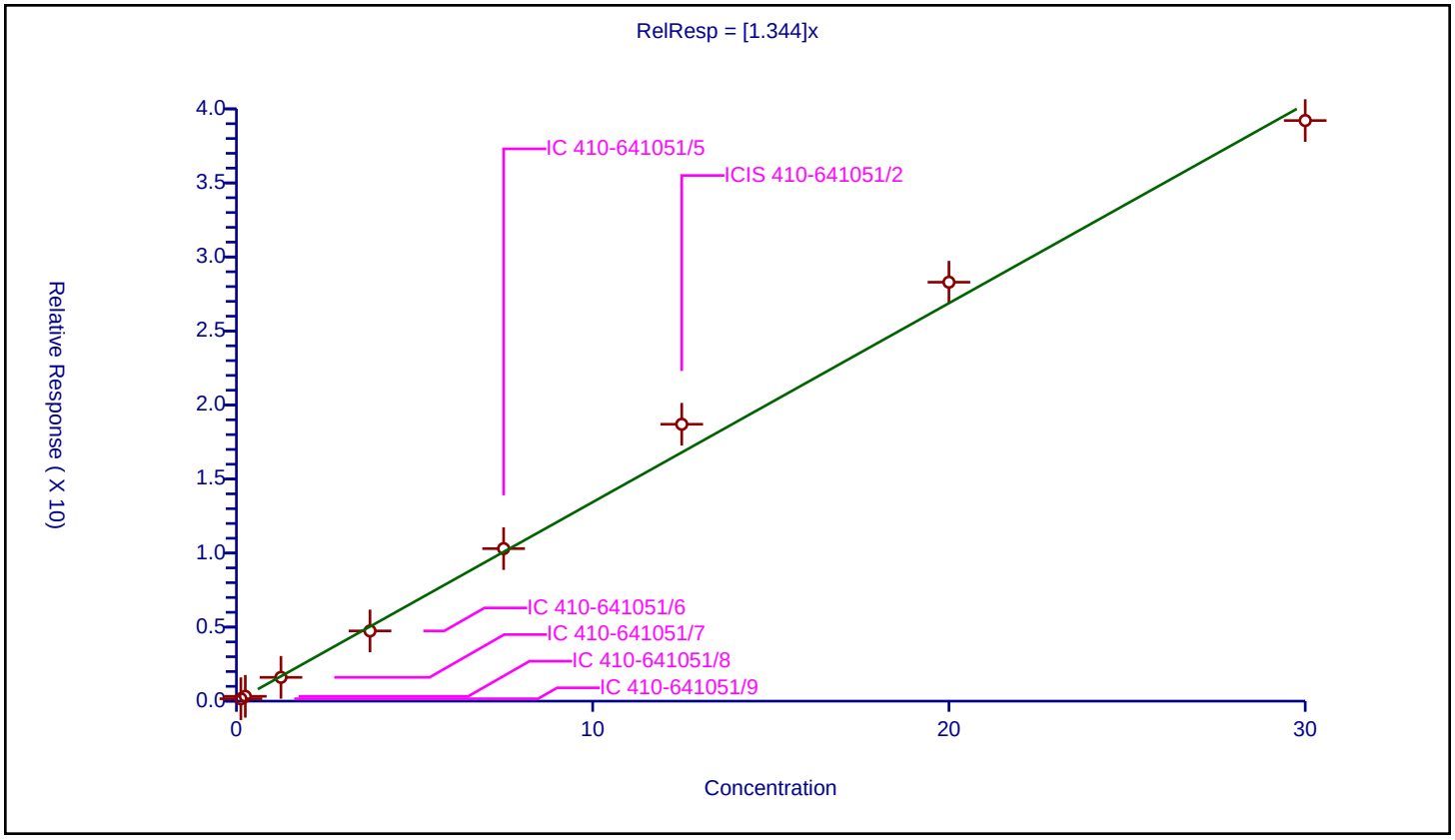
Curve Coefficients

Intercept:	0
Slope:	1.344

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.163147	5.0	776661.0	1.305177	Y
2	IC 410-641051/8	0.25	0.326198	5.0	763891.0	1.304793	Y
3	IC 410-641051/7	1.25	1.60631	5.0	753435.0	1.285048	Y
4	IC 410-641051/6	3.75	4.742044	5.0	780250.0	1.264545	Y
5	IC 410-641051/5	7.5	10.302641	5.0	728024.0	1.373685	Y
6	ICIS 410-641051/2	12.5	18.70106	5.0	806658.0	1.496085	Y
7	IC 410-641051/4	20.0	28.294375	5.0	805341.0	1.414719	Y
8	IC 410-641051/3	30.0	39.212844	5.0	803087.0	1.307095	Y



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Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

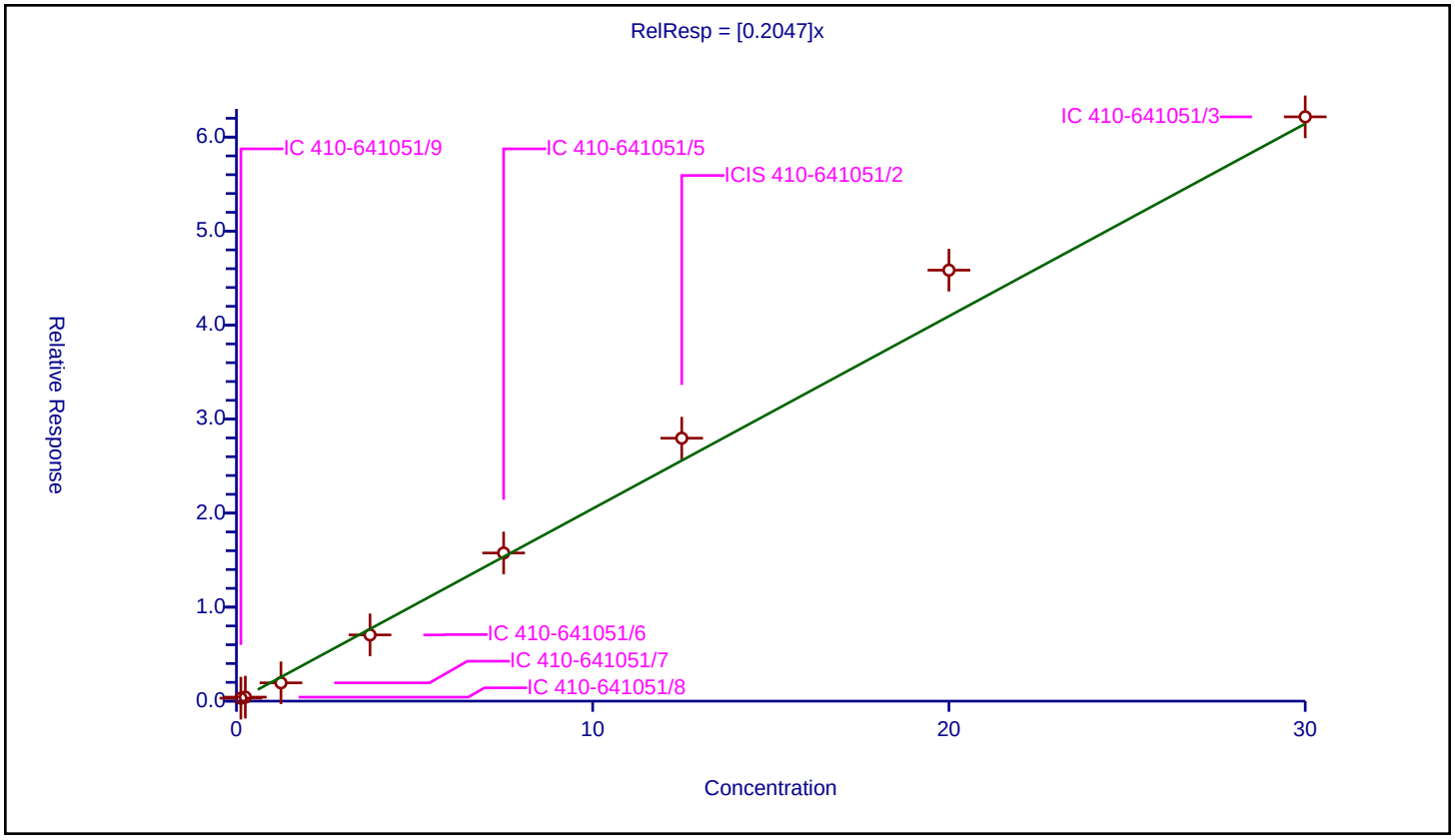
Curve Coefficients

Intercept:	0
Slope:	0.2047

Error Coefficients

Relative Standard Deviation:	15.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.031648	5.0	776661.0	0.253186	Y
2	IC 410-641051/8	0.25	0.042709	5.0	763891.0	0.170836	Y
3	IC 410-641051/7	1.25	0.194688	5.0	753435.0	0.155751	Y
4	IC 410-641051/6	3.75	0.704543	5.0	780250.0	0.187878	Y
5	IC 410-641051/5	7.5	1.575882	5.0	728024.0	0.210118	Y
6	ICIS 410-641051/2	12.5	2.797115	5.0	806658.0	0.223769	Y
7	IC 410-641051/4	20.0	4.584493	5.0	805341.0	0.229225	Y
8	IC 410-641051/3	30.0	6.215603	5.0	803087.0	0.207187	Y



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Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

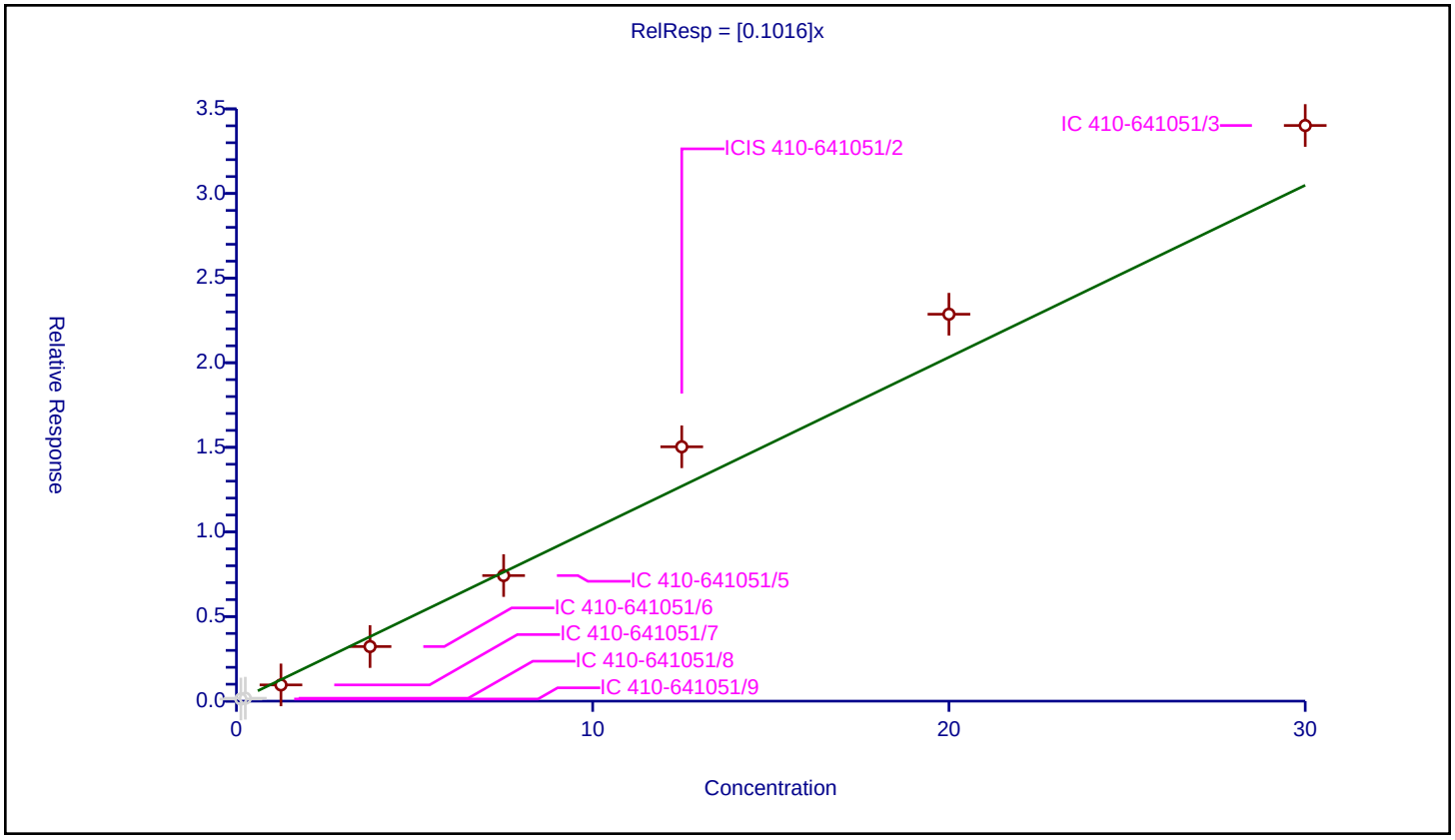
Curve Coefficients

Intercept:	0
Slope:	0.1016

Error Coefficients

Relative Standard Deviation:	17.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.012599	5.0	776661.0	0.10079	N
2	IC 410-641051/8	0.25	0.017313	5.0	763891.0	0.069251	N
3	IC 410-641051/7	1.25	0.095974	5.0	753435.0	0.076779	Y
4	IC 410-641051/6	3.75	0.322666	5.0	780250.0	0.086044	Y
5	IC 410-641051/5	7.5	0.742153	5.0	728024.0	0.098954	Y
6	ICIS 410-641051/2	12.5	1.503097	5.0	806658.0	0.120248	Y
7	IC 410-641051/4	20.0	2.286634	5.0	805341.0	0.114332	Y
8	IC 410-641051/3	30.0	3.401861	5.0	803087.0	0.113395	Y



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Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

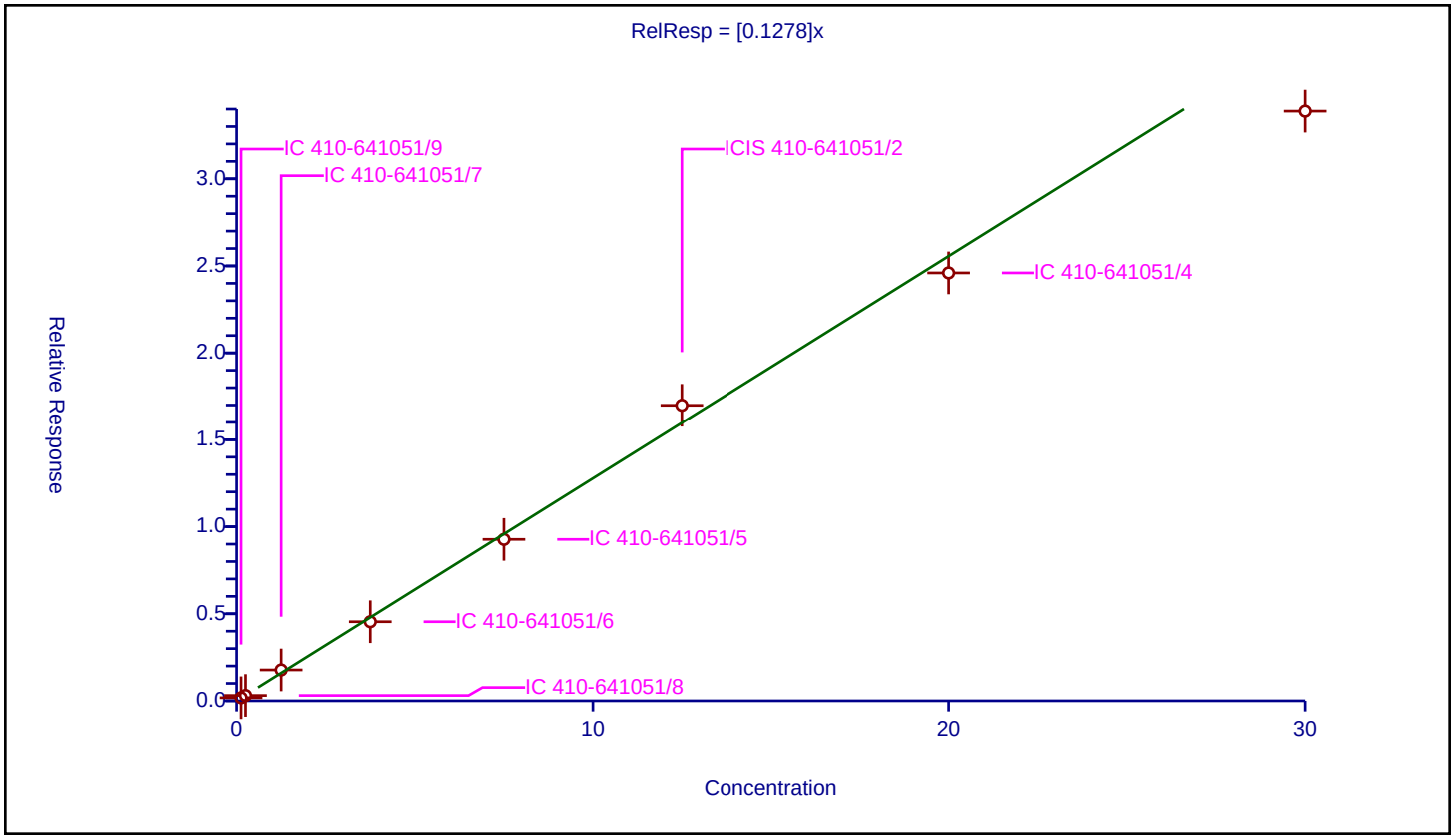
Curve Coefficients

Intercept:	0
Slope:	0.1278

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.017672	5.0	776661.0	0.141374	Y
2	IC 410-641051/8	0.25	0.030639	5.0	763891.0	0.122557	Y
3	IC 410-641051/7	1.25	0.177407	5.0	753435.0	0.141926	Y
4	IC 410-641051/6	3.75	0.454271	5.0	780250.0	0.121139	Y
5	IC 410-641051/5	7.5	0.927428	5.0	728024.0	0.123657	Y
6	ICIS 410-641051/2	12.5	1.698595	5.0	806658.0	0.135888	Y
7	IC 410-641051/4	20.0	2.459908	5.0	805341.0	0.122995	Y
8	IC 410-641051/3	30.0	3.388219	5.0	803087.0	0.112941	Y



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Calibration / Isodrin

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

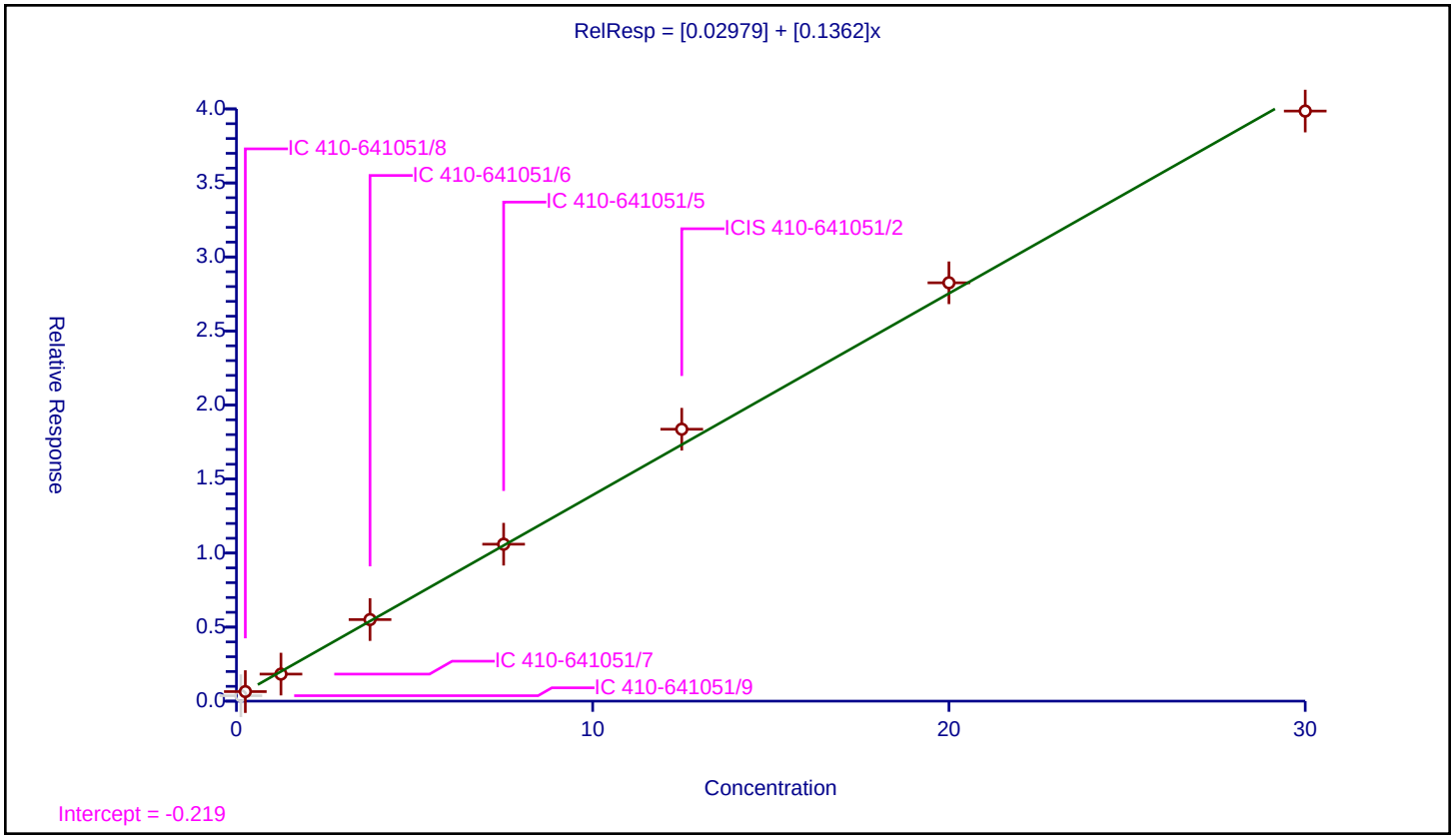
Curve Coefficients

Intercept:	0.02979
Slope:	0.1362

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.036708	5.0	776661.0	0.293667	N
2	IC 410-641051/8	0.25	0.06444	5.0	763891.0	0.257759	Y
3	IC 410-641051/7	1.25	0.182597	5.0	753435.0	0.146078	Y
4	IC 410-641051/6	3.75	0.550977	5.0	780250.0	0.146927	Y
5	IC 410-641051/5	7.5	1.059965	5.0	728024.0	0.141329	Y
6	ICIS 410-641051/2	12.5	1.83659	5.0	806658.0	0.146927	Y
7	IC 410-641051/4	20.0	2.825617	5.0	805341.0	0.141281	Y
8	IC 410-641051/3	30.0	3.985371	5.0	803087.0	0.132846	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

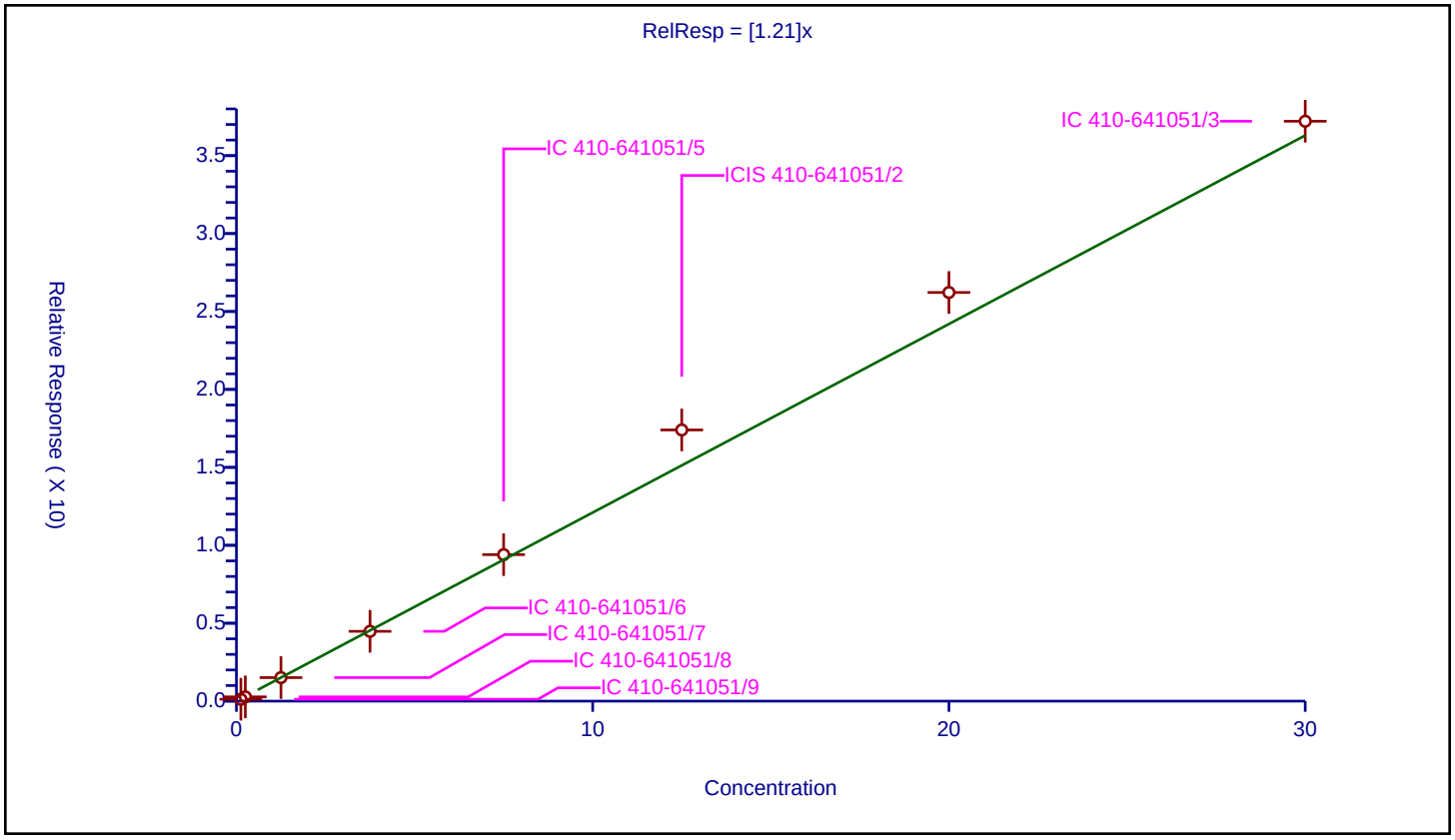
Curve Coefficients

Intercept:	0
Slope:	1.21

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.122866	5.0	776661.0	0.982926	Y
2	IC 410-641051/8	0.25	0.274254	5.0	763891.0	1.097015	Y
3	IC 410-641051/7	1.25	1.510601	5.0	753435.0	1.208481	Y
4	IC 410-641051/6	3.75	4.479667	5.0	780250.0	1.194578	Y
5	IC 410-641051/5	7.5	9.39912	5.0	728024.0	1.253216	Y
6	ICIS 410-641051/2	12.5	17.400509	5.0	806658.0	1.392041	Y
7	IC 410-641051/4	20.0	26.219912	5.0	805341.0	1.310996	Y
8	IC 410-641051/3	30.0	37.209057	5.0	803087.0	1.240302	Y



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Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

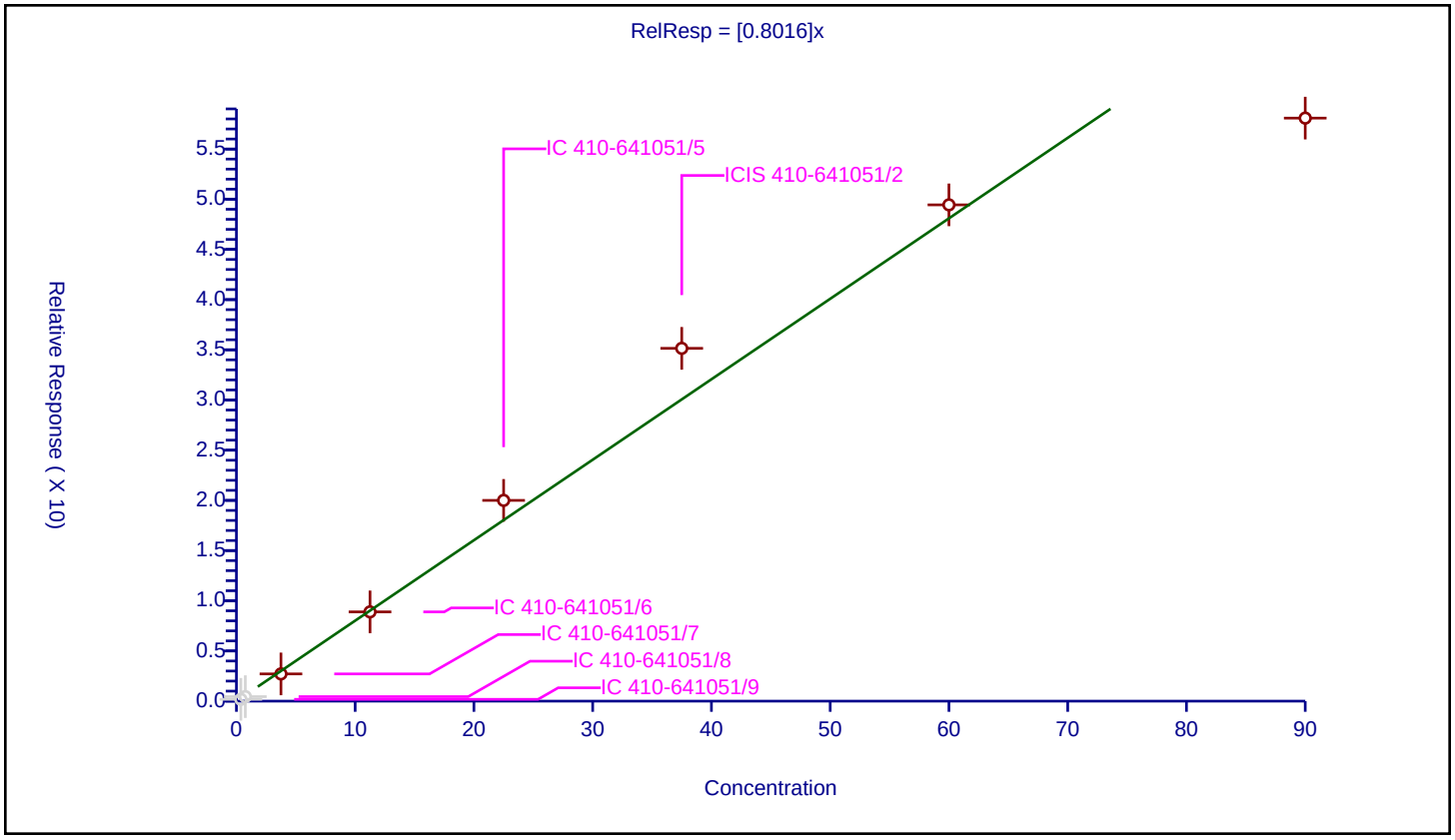
Curve Coefficients

Intercept:	0
Slope:	0.8016

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.375	0.182789	5.0	760414.0	0.487436	N
2	IC 410-641051/8	0.75	0.450121	5.0	761740.0	0.600161	N
3	IC 410-641051/7	3.75	2.713244	5.0	768228.0	0.723532	Y
4	IC 410-641051/6	11.25	8.893778	5.0	782637.0	0.790558	Y
5	IC 410-641051/5	22.5	19.998819	5.0	753624.0	0.888836	Y
6	ICIS 410-641051/2	37.5	35.147193	5.0	870930.0	0.937258	Y
7	IC 410-641051/4	60.0	49.44049	5.0	806026.0	0.824008	Y
8	IC 410-641051/3	90.0	58.081971	5.0	801148.0	0.645355	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

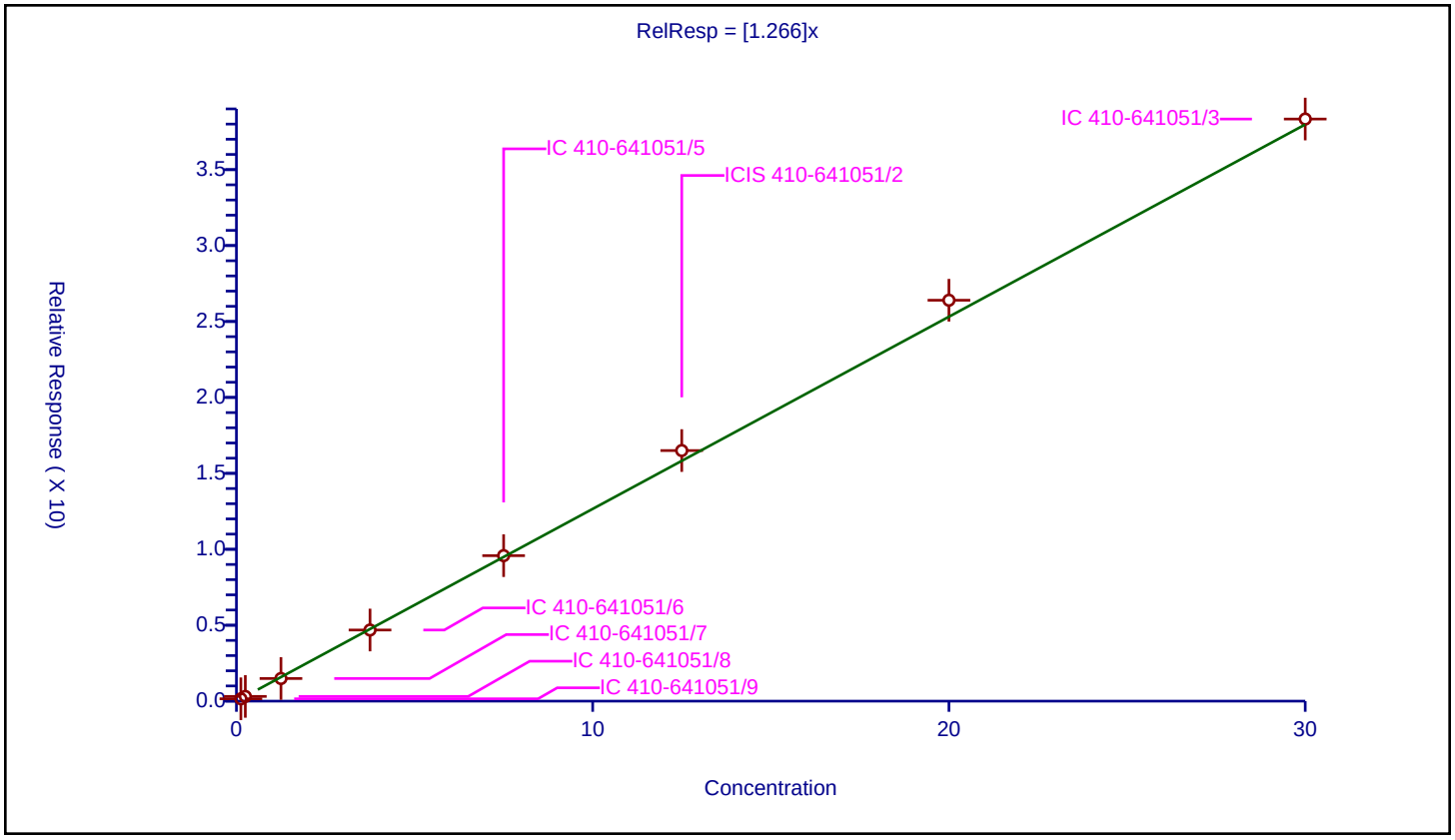
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.155968	5.0	760414.0	1.247741	Y
2	IC 410-641051/8	0.25	0.31067	5.0	761740.0	1.242681	Y
3	IC 410-641051/7	1.25	1.489174	5.0	768228.0	1.191339	Y
4	IC 410-641051/6	3.75	4.684471	5.0	782637.0	1.249192	Y
5	IC 410-641051/5	7.5	9.580195	5.0	753624.0	1.277359	Y
6	ICIS 410-641051/2	12.5	16.500683	5.0	870930.0	1.320055	Y
7	IC 410-641051/4	20.0	26.3998	5.0	806026.0	1.31999	Y
8	IC 410-641051/3	30.0	38.331769	5.0	801148.0	1.277726	Y



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Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

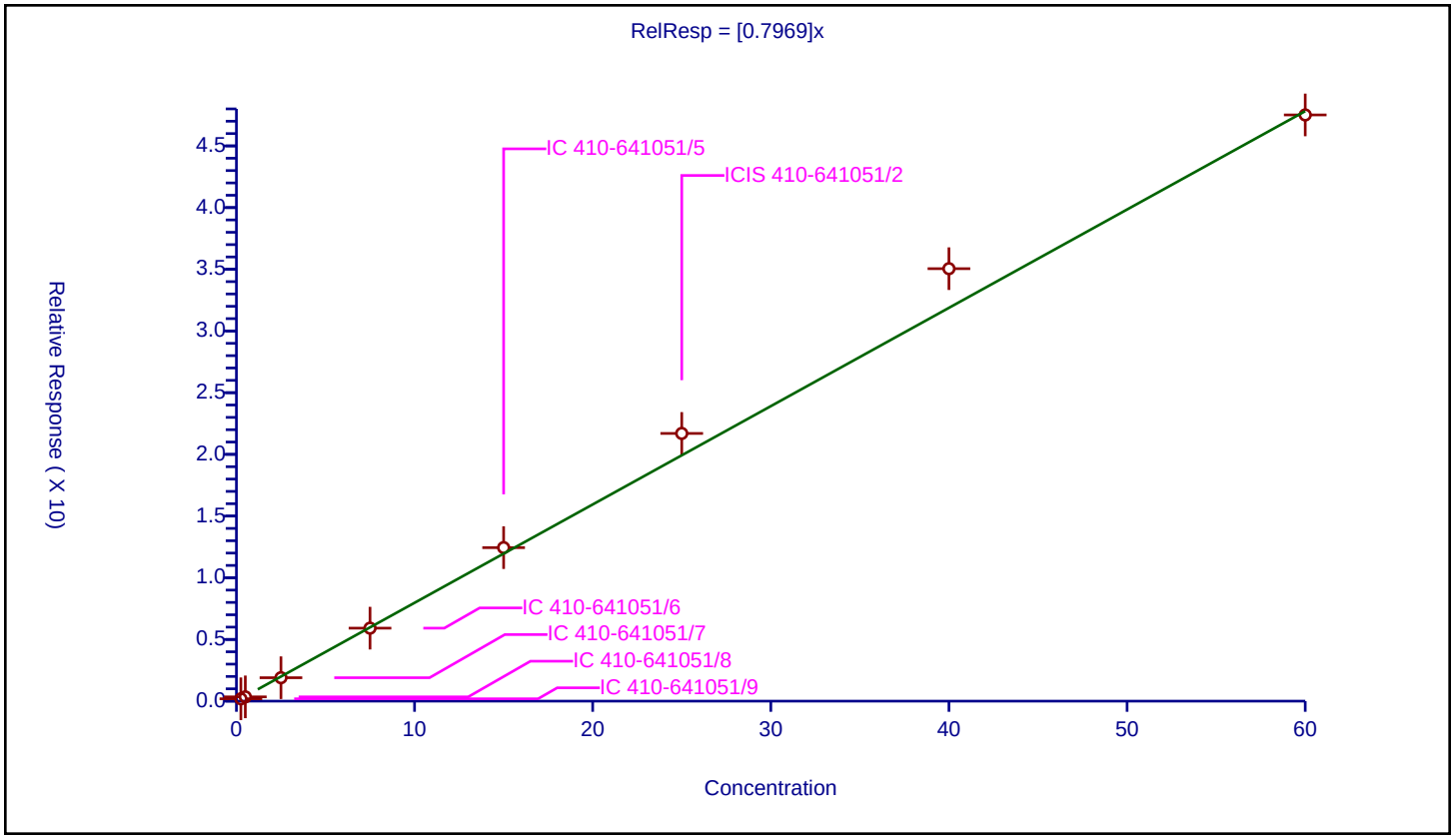
Curve Coefficients

Intercept:	0
Slope:	0.7969

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.25	0.191757	5.0	760414.0	0.76703	Y
2	IC 410-641051/8	0.5	0.347304	5.0	761740.0	0.694607	Y
3	IC 410-641051/7	2.5	1.89857	5.0	768228.0	0.759428	Y
4	IC 410-641051/6	7.5	5.914964	5.0	782637.0	0.788662	Y
5	IC 410-641051/5	15.0	12.442239	5.0	753624.0	0.829483	Y
6	ICIS 410-641051/2	25.0	21.696704	5.0	870930.0	0.867868	Y
7	IC 410-641051/4	40.0	35.049818	5.0	806026.0	0.876245	Y
8	IC 410-641051/3	60.0	47.509767	5.0	801148.0	0.791829	Y



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Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

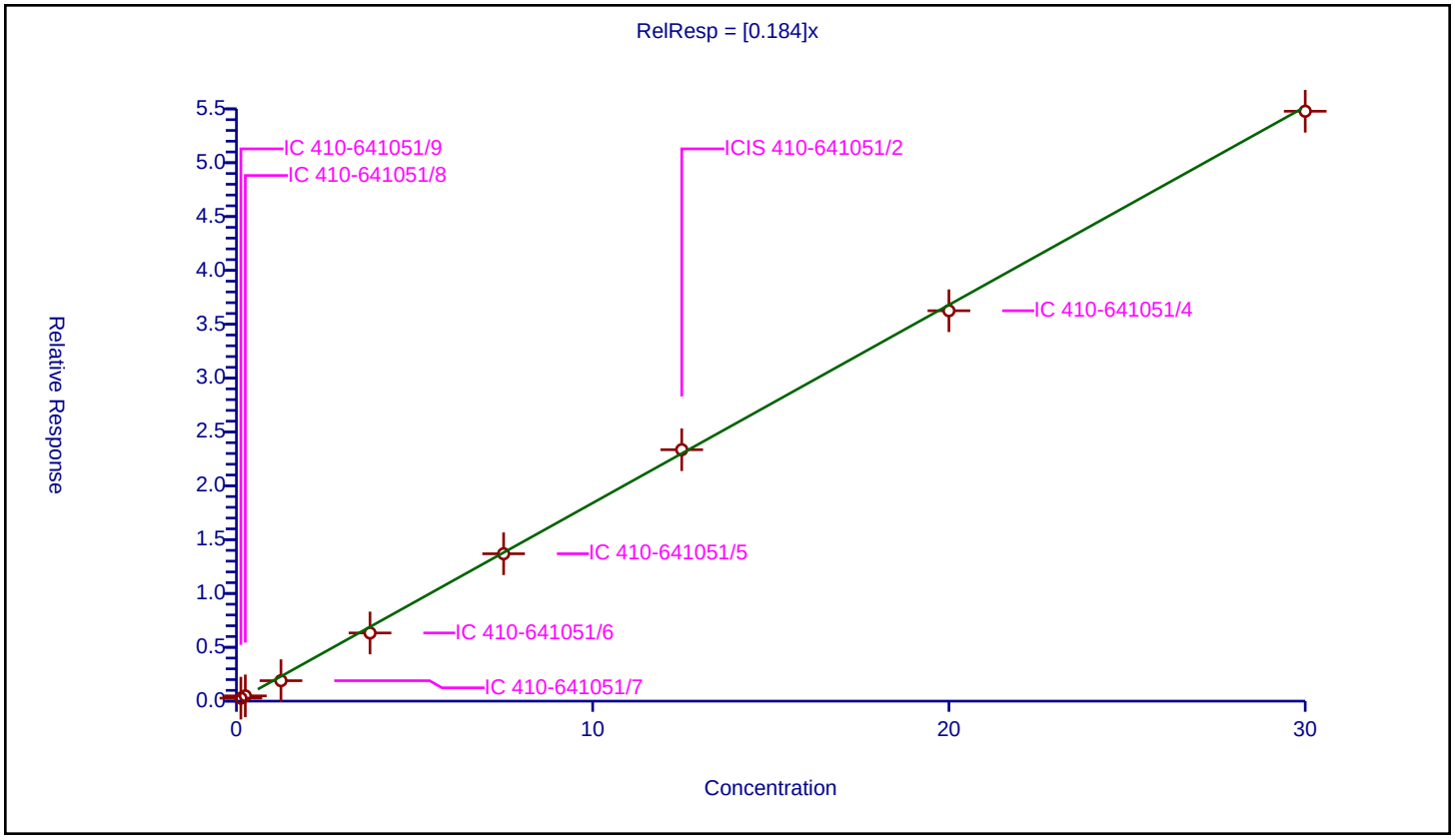
Curve Coefficients

Intercept:	0
Slope:	0.184

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.02786	5.0	760414.0	0.222879	Y
2	IC 410-641051/8	0.25	0.048809	5.0	761740.0	0.195237	Y
3	IC 410-641051/7	1.25	0.189761	5.0	768228.0	0.151809	Y
4	IC 410-641051/6	3.75	0.63309	5.0	782637.0	0.168824	Y
5	IC 410-641051/5	7.5	1.368607	5.0	753624.0	0.182481	Y
6	ICIS 410-641051/2	12.5	2.335096	5.0	870930.0	0.186808	Y
7	IC 410-641051/4	20.0	3.625652	5.0	806026.0	0.181283	Y
8	IC 410-641051/3	30.0	5.478332	5.0	801148.0	0.182611	Y



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Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

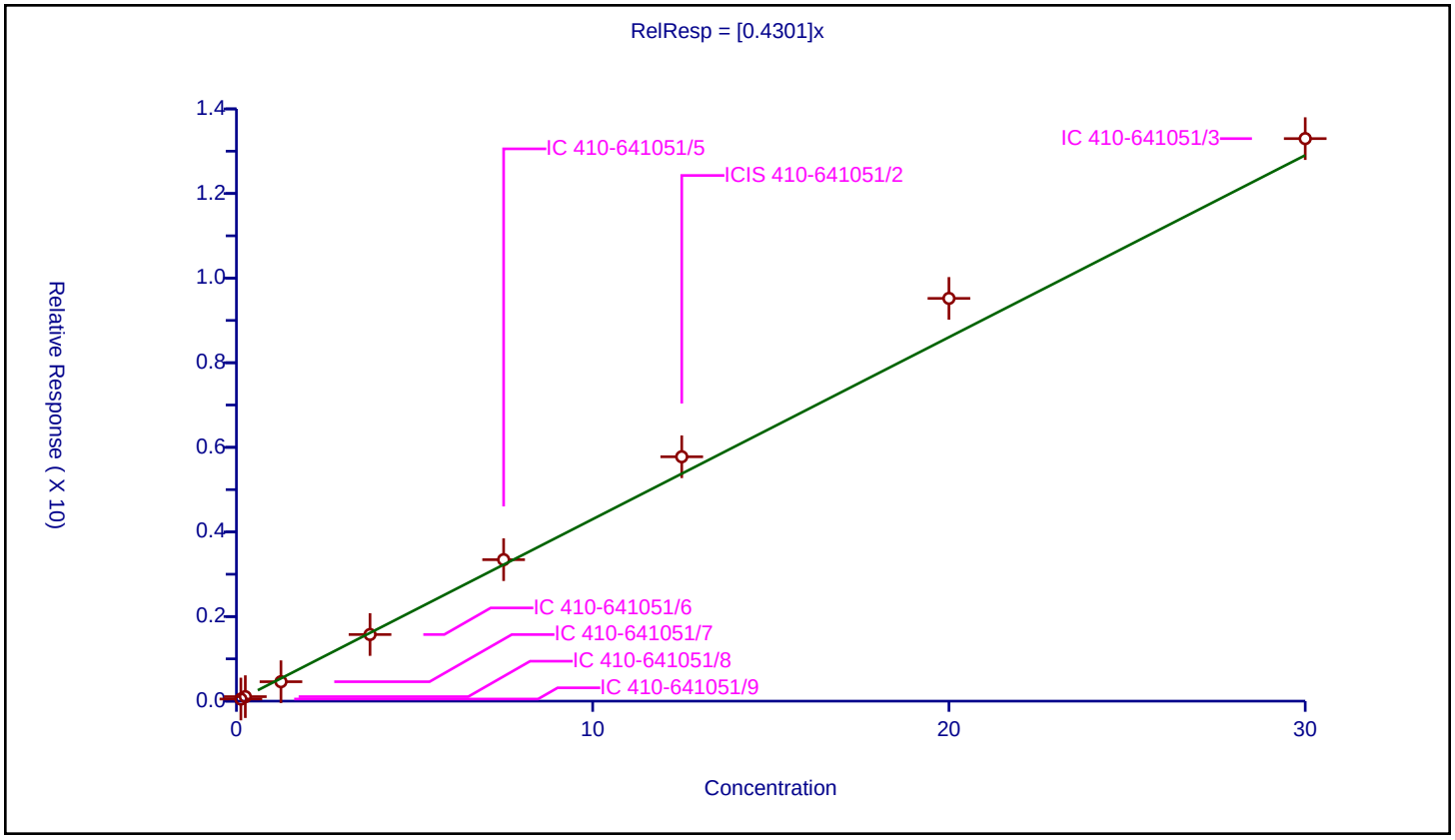
Curve Coefficients

Intercept:	0
Slope:	0.4301

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.050321	5.0	760414.0	0.40257	Y
2	IC 410-641051/8	0.25	0.105955	5.0	761740.0	0.423819	Y
3	IC 410-641051/7	1.25	0.459297	5.0	768228.0	0.367438	Y
4	IC 410-641051/6	3.75	1.575047	5.0	782637.0	0.420013	Y
5	IC 410-641051/5	7.5	3.343889	5.0	753624.0	0.445852	Y
6	ICIS 410-641051/2	12.5	5.776968	5.0	870930.0	0.462157	Y
7	IC 410-641051/4	20.0	9.520276	5.0	806026.0	0.476014	Y
8	IC 410-641051/3	30.0	13.297431	5.0	801148.0	0.443248	Y



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Calibration / Famphur

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

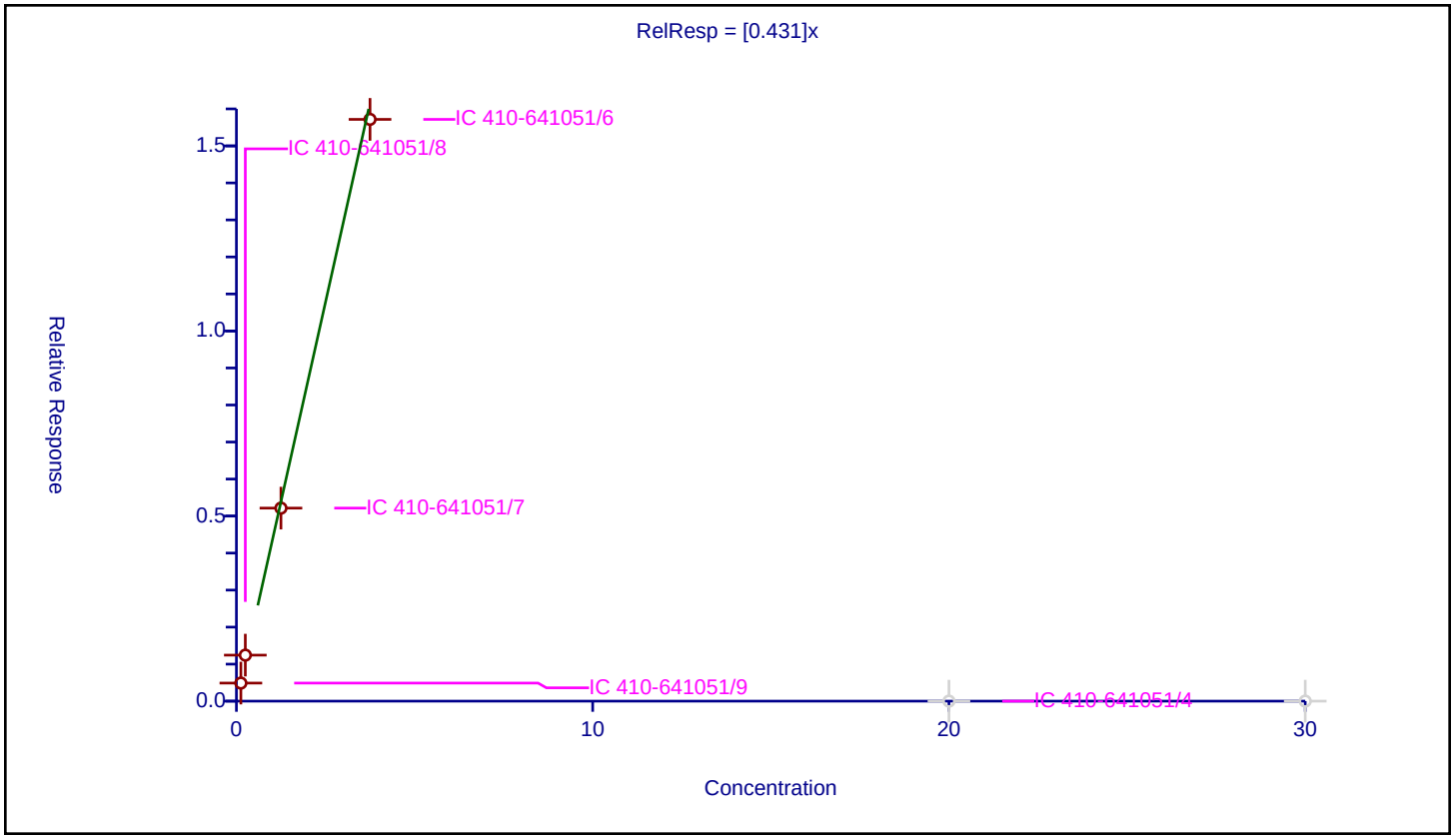
Curve Coefficients

Intercept:	0
Slope:	0.431

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.048842	5.0	760414.0	0.390735	Y
2	IC 410-641051/8	0.25	0.124268	5.0	761740.0	0.497072	Y
3	IC 410-641051/7	1.25	0.521499	5.0	768228.0	0.417199	Y
4	IC 410-641051/6	3.75	1.571623	5.0	782637.0	0.419099	Y
5	IC 410-641051/4	20.0	0.0	5.0	806026.0	0.0	N
6	IC 410-641051/3	30.0	0.0	5.0	801148.0	0.0	N



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Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

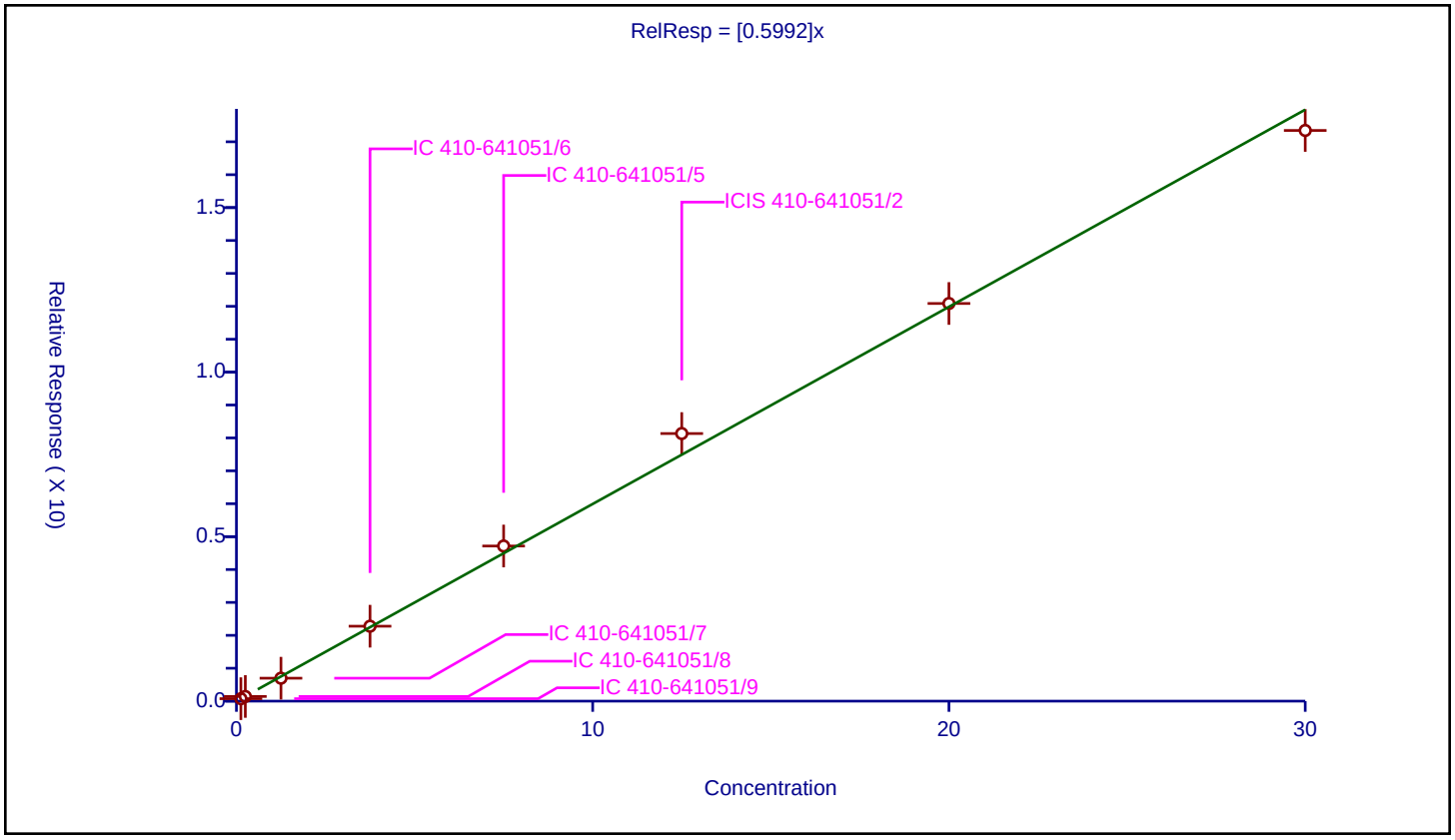
Curve Coefficients

Intercept:	0
Slope:	0.5992

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.074801	5.0	760414.0	0.598411	Y
2	IC 410-641051/8	0.25	0.141991	5.0	761740.0	0.567963	Y
3	IC 410-641051/7	1.25	0.697579	5.0	768228.0	0.558063	Y
4	IC 410-641051/6	3.75	2.277224	5.0	782637.0	0.60726	Y
5	IC 410-641051/5	7.5	4.715183	5.0	753624.0	0.628691	Y
6	ICIS 410-641051/2	12.5	8.133099	5.0	870930.0	0.650648	Y
7	IC 410-641051/4	20.0	12.085888	5.0	806026.0	0.604294	Y
8	IC 410-641051/3	30.0	17.344511	5.0	801148.0	0.57815	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

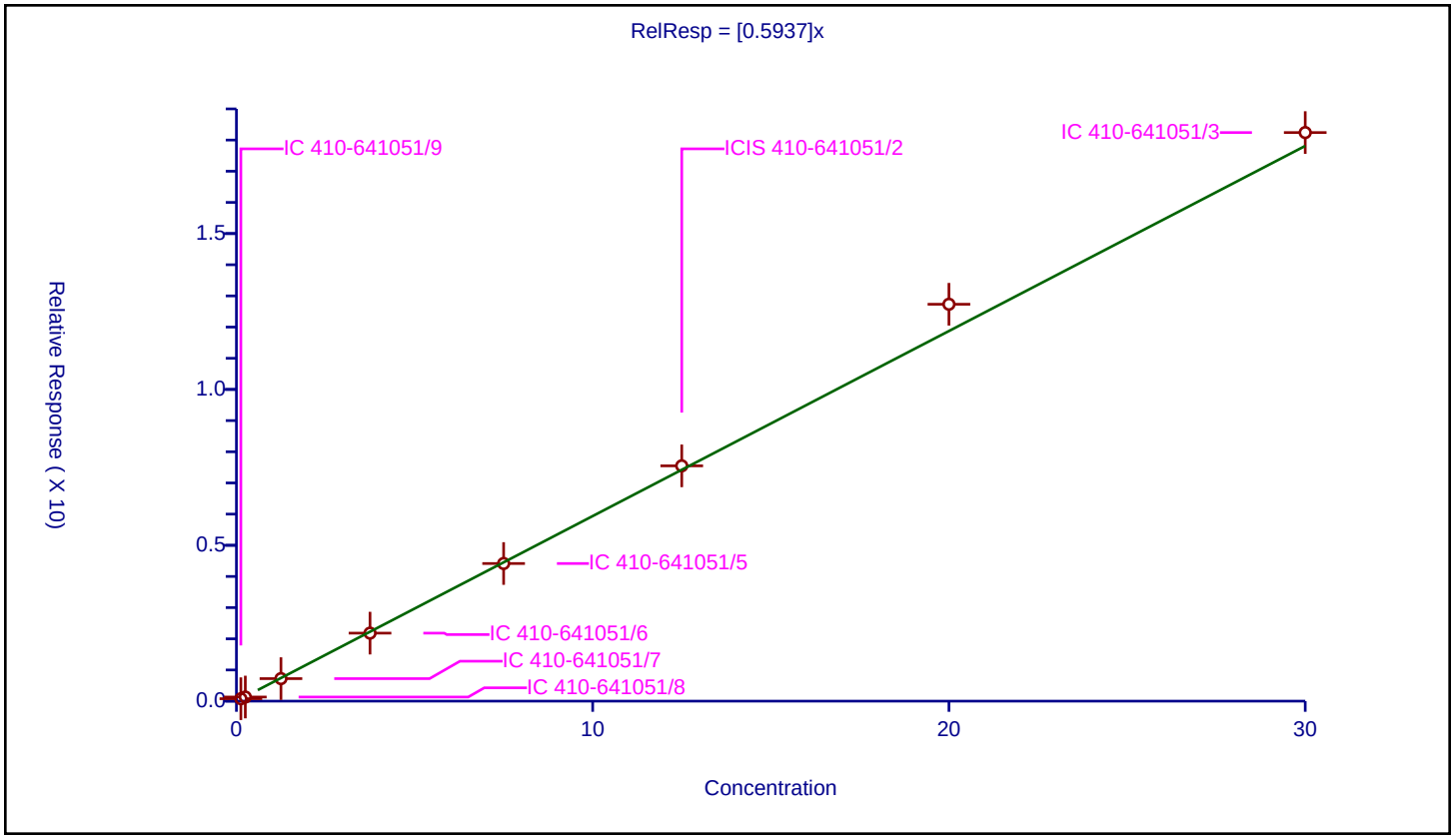
Curve Coefficients

Intercept:	0
Slope:	0.5937

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.07801	5.0	760414.0	0.624081	Y
2	IC 410-641051/8	0.25	0.132046	5.0	761740.0	0.528185	Y
3	IC 410-641051/7	1.25	0.722832	5.0	768228.0	0.578266	Y
4	IC 410-641051/6	3.75	2.182212	5.0	782637.0	0.581923	Y
5	IC 410-641051/5	7.5	4.415259	5.0	753624.0	0.588701	Y
6	ICIS 410-641051/2	12.5	7.548752	5.0	870930.0	0.6039	Y
7	IC 410-641051/4	20.0	12.732772	5.0	806026.0	0.636639	Y
8	IC 410-641051/3	30.0	18.240163	5.0	801148.0	0.608005	Y



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Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

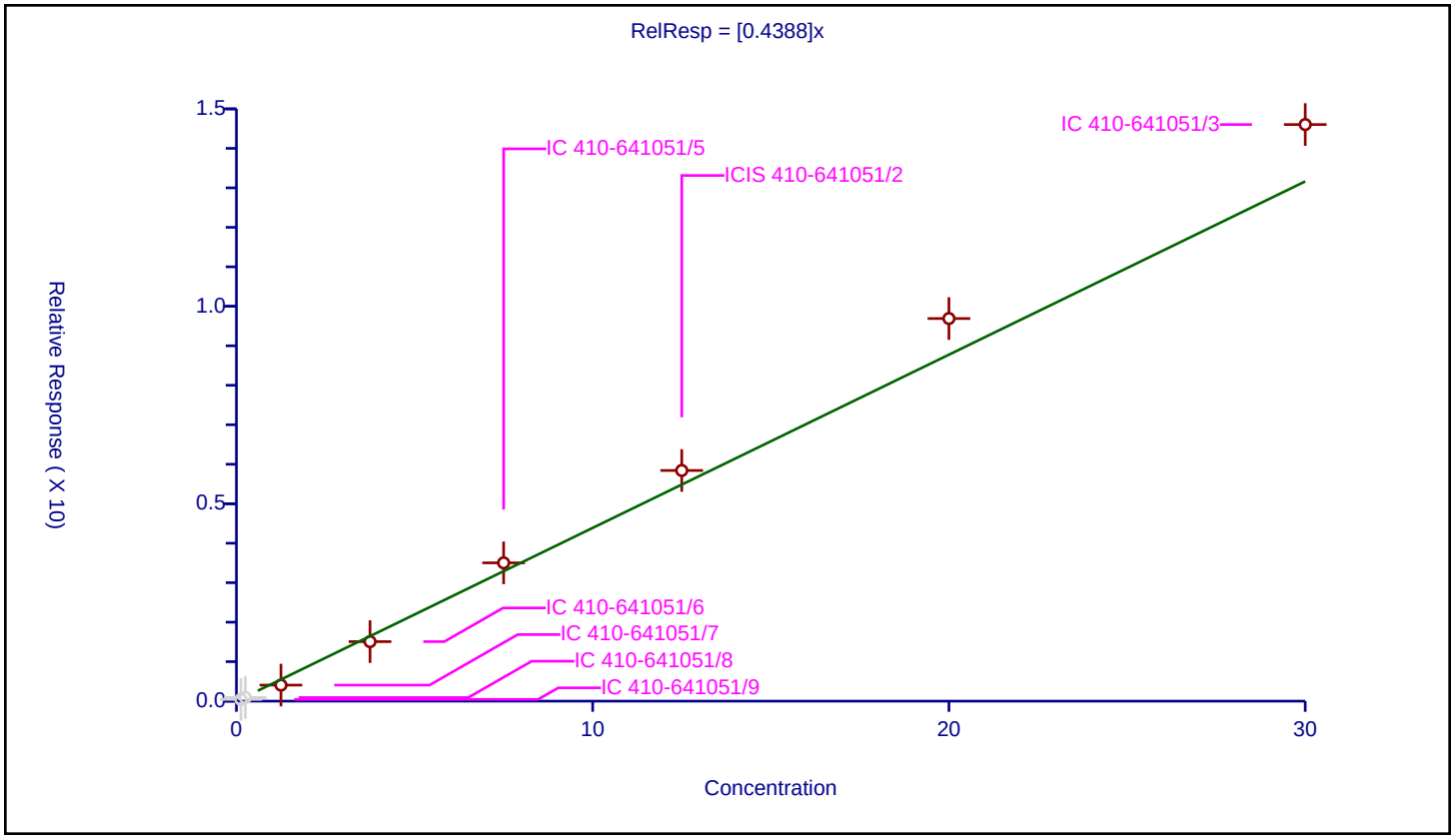
Curve Coefficients

Intercept:	0
Slope:	0.4388

Error Coefficients

Relative Standard Deviation:	14.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.044042	5.0	760414.0	0.352334	N
2	IC 410-641051/8	0.25	0.090602	5.0	761740.0	0.362407	N
3	IC 410-641051/7	1.25	0.406247	5.0	768228.0	0.324997	Y
4	IC 410-641051/6	3.75	1.507302	5.0	782637.0	0.401947	Y
5	IC 410-641051/5	7.5	3.50239	5.0	753624.0	0.466985	Y
6	ICIS 410-641051/2	12.5	5.841761	5.0	870930.0	0.467341	Y
7	IC 410-641051/4	20.0	9.690519	5.0	806026.0	0.484526	Y
8	IC 410-641051/3	30.0	14.603026	5.0	801148.0	0.486768	Y



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Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

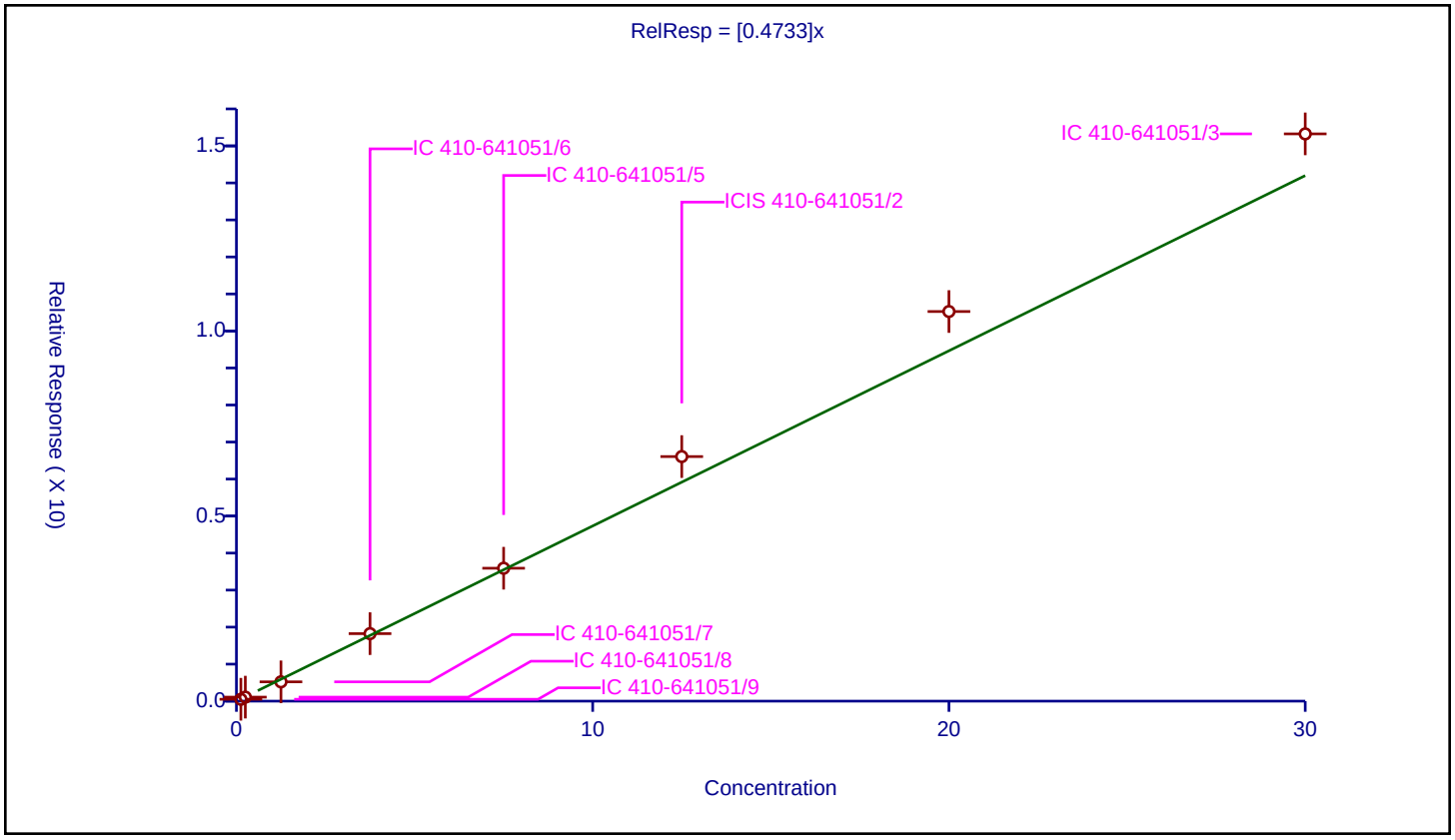
Curve Coefficients

Intercept:	0
Slope:	0.4733

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.050676	5.0	760414.0	0.405411	Y
2	IC 410-641051/8	0.25	0.10816	5.0	761740.0	0.432641	Y
3	IC 410-641051/7	1.25	0.521577	5.0	768228.0	0.417262	Y
4	IC 410-641051/6	3.75	1.82361	5.0	782637.0	0.486296	Y
5	IC 410-641051/5	7.5	3.590756	5.0	753624.0	0.478767	Y
6	ICIS 410-641051/2	12.5	6.60684	5.0	870930.0	0.528547	Y
7	IC 410-641051/4	20.0	10.52592	5.0	806026.0	0.526296	Y
8	IC 410-641051/3	30.0	15.325321	5.0	801148.0	0.510844	Y



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Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

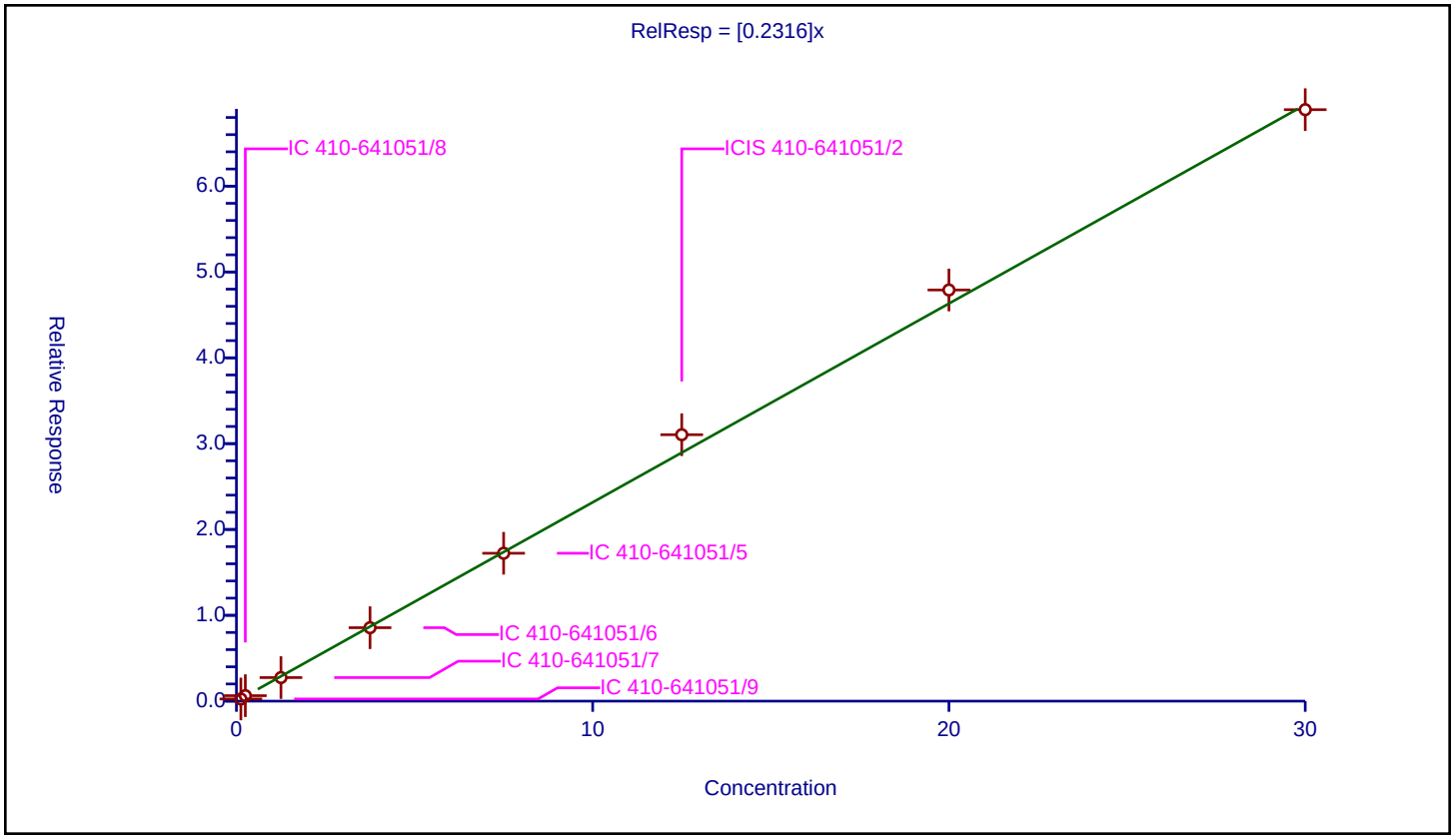
Curve Coefficients

Intercept:	0
Slope:	0.2316

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.025289	5.0	760414.0	0.202311	Y
2	IC 410-641051/8	0.25	0.063887	5.0	761740.0	0.255547	Y
3	IC 410-641051/7	1.25	0.274528	5.0	768228.0	0.219622	Y
4	IC 410-641051/6	3.75	0.855524	5.0	782637.0	0.22814	Y
5	IC 410-641051/5	7.5	1.723014	5.0	753624.0	0.229735	Y
6	ICIS 410-641051/2	12.5	3.103946	5.0	870930.0	0.248316	Y
7	IC 410-641051/4	20.0	4.790354	5.0	806026.0	0.239518	Y
8	IC 410-641051/3	30.0	6.890912	5.0	801148.0	0.229697	Y



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Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

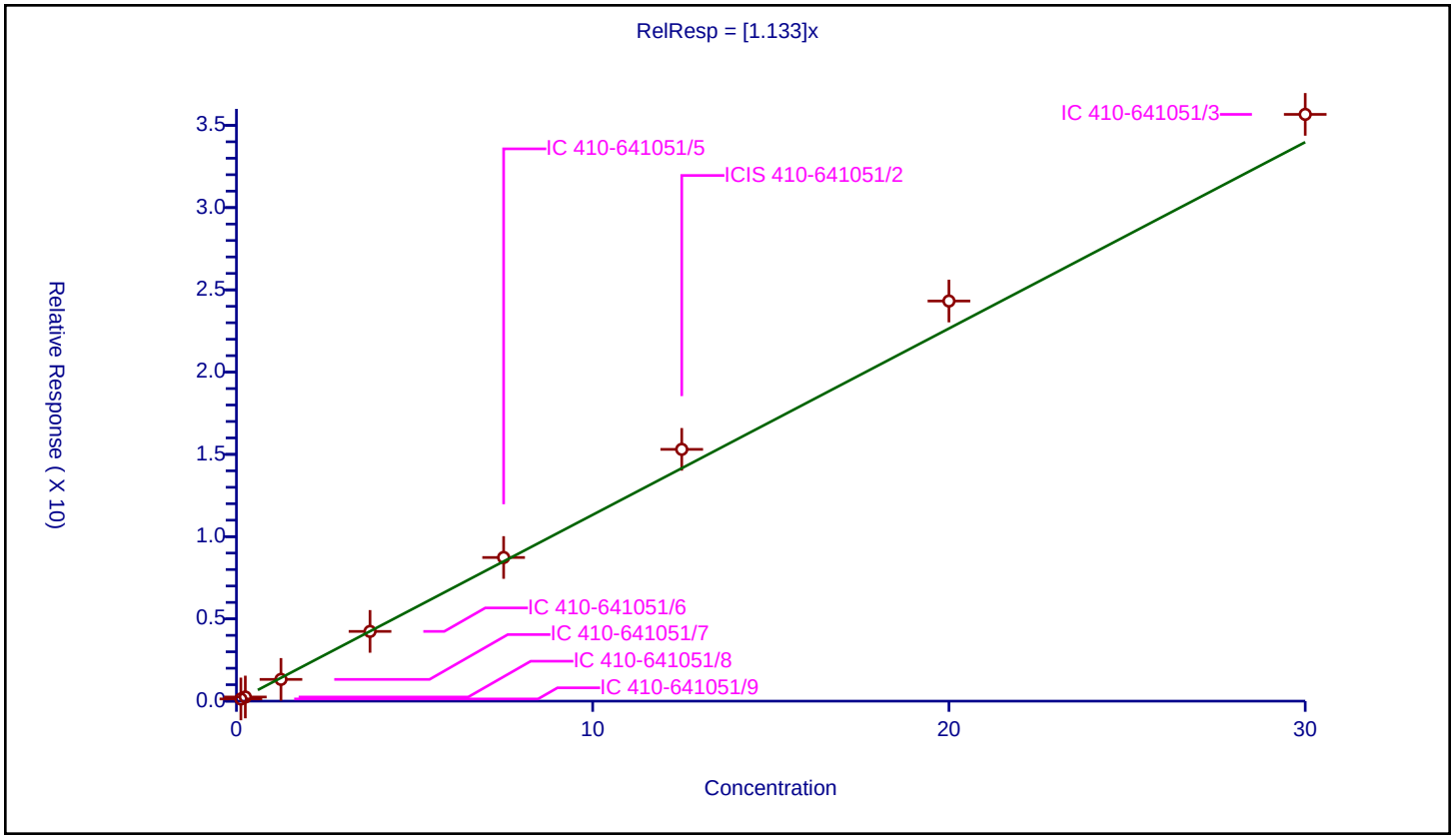
Curve Coefficients

Intercept:	0
Slope:	1.133

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.134243	5.0	760414.0	1.073941	Y
2	IC 410-641051/8	0.25	0.251411	5.0	761740.0	1.005645	Y
3	IC 410-641051/7	1.25	1.321587	5.0	768228.0	1.057269	Y
4	IC 410-641051/6	3.75	4.238759	5.0	782637.0	1.130336	Y
5	IC 410-641051/5	7.5	8.731715	5.0	753624.0	1.164229	Y
6	ICIS 410-641051/2	12.5	15.305524	5.0	870930.0	1.224442	Y
7	IC 410-641051/4	20.0	24.320394	5.0	806026.0	1.21602	Y
8	IC 410-641051/3	30.0	35.667037	5.0	801148.0	1.188901	Y



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Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

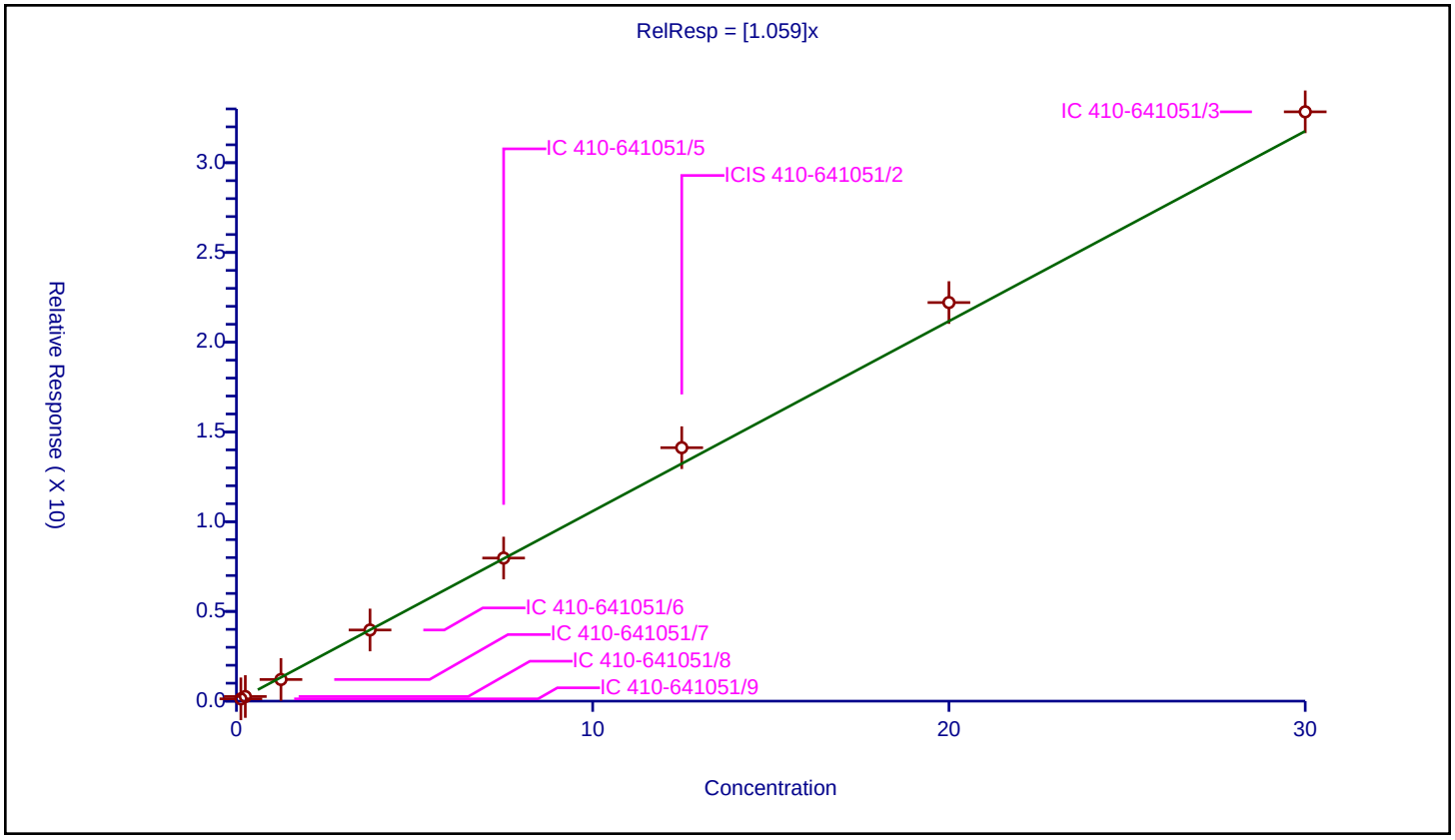
Curve Coefficients

Intercept:	0
Slope:	1.059

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.127832	5.0	760414.0	1.022653	Y
2	IC 410-641051/8	0.25	0.256748	5.0	761740.0	1.026991	Y
3	IC 410-641051/7	1.25	1.205807	5.0	768228.0	0.964646	Y
4	IC 410-641051/6	3.75	3.965312	5.0	782637.0	1.057417	Y
5	IC 410-641051/5	7.5	7.97255	5.0	753624.0	1.063007	Y
6	ICIS 410-641051/2	12.5	14.122622	5.0	870930.0	1.12981	Y
7	IC 410-641051/4	20.0	22.20888	5.0	806026.0	1.110444	Y
8	IC 410-641051/3	30.0	32.836473	5.0	801148.0	1.094549	Y



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Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

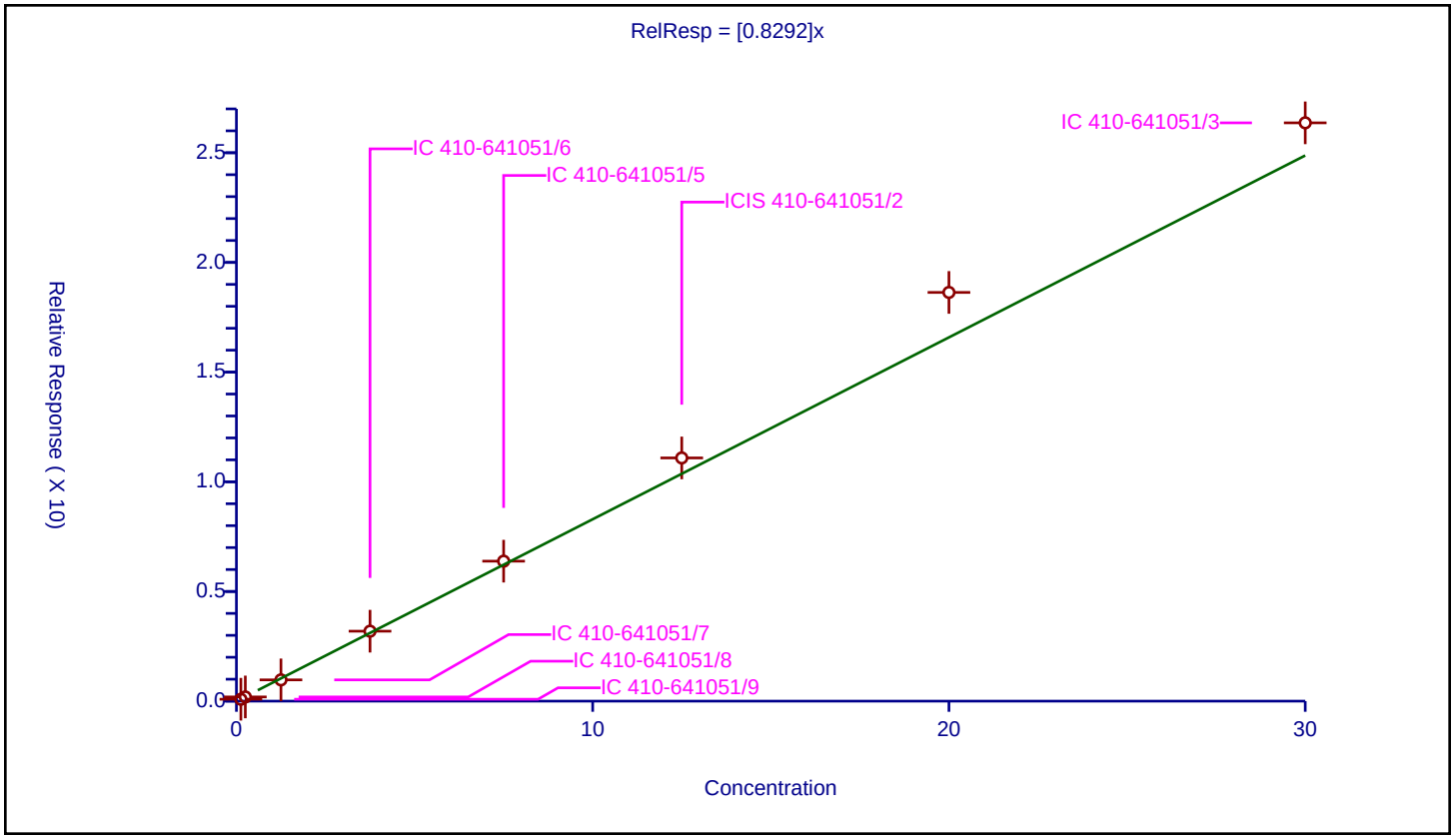
Curve Coefficients

Intercept:	0
Slope:	0.8292

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.086972	5.0	760414.0	0.695779	Y
2	IC 410-641051/8	0.25	0.190767	5.0	761740.0	0.763069	Y
3	IC 410-641051/7	1.25	0.969849	5.0	768228.0	0.775879	Y
4	IC 410-641051/6	3.75	3.189007	5.0	782637.0	0.850402	Y
5	IC 410-641051/5	7.5	6.380881	5.0	753624.0	0.850784	Y
6	ICIS 410-641051/2	12.5	11.08817	5.0	870930.0	0.887054	Y
7	IC 410-641051/4	20.0	18.632234	5.0	806026.0	0.931612	Y
8	IC 410-641051/3	30.0	26.364055	5.0	801148.0	0.878802	Y



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Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

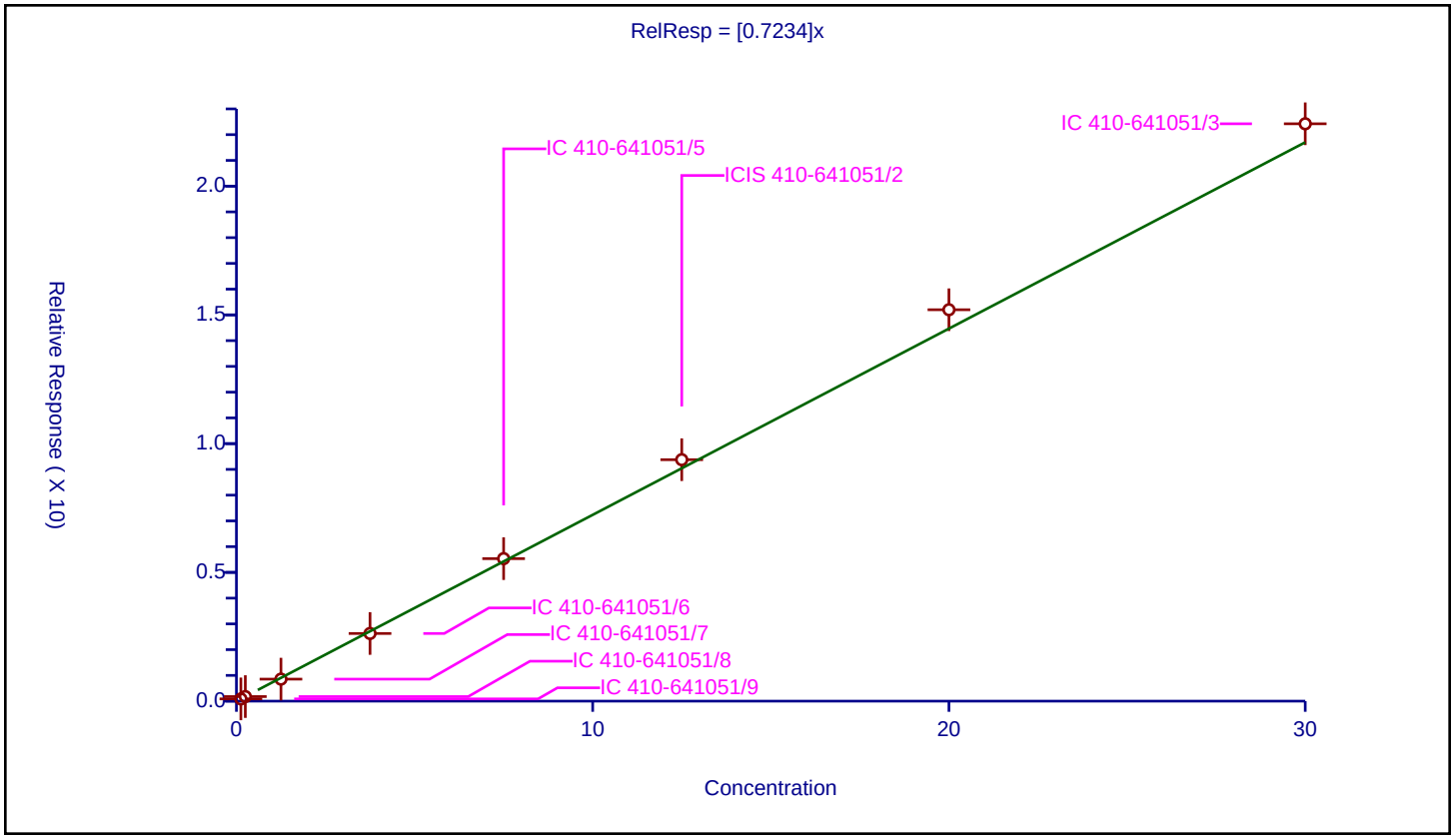
Curve Coefficients

Intercept:	0
Slope:	0.7234

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.087288	5.0	760414.0	0.698304	Y
2	IC 410-641051/8	0.25	0.177121	5.0	761740.0	0.708483	Y
3	IC 410-641051/7	1.25	0.855143	5.0	768228.0	0.684115	Y
4	IC 410-641051/6	3.75	2.628217	5.0	782637.0	0.700858	Y
5	IC 410-641051/5	7.5	5.534398	5.0	753624.0	0.73792	Y
6	ICIS 410-641051/2	12.5	9.376913	5.0	870930.0	0.750153	Y
7	IC 410-641051/4	20.0	15.200068	5.0	806026.0	0.760003	Y
8	IC 410-641051/3	30.0	22.421619	5.0	801148.0	0.747387	Y



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Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

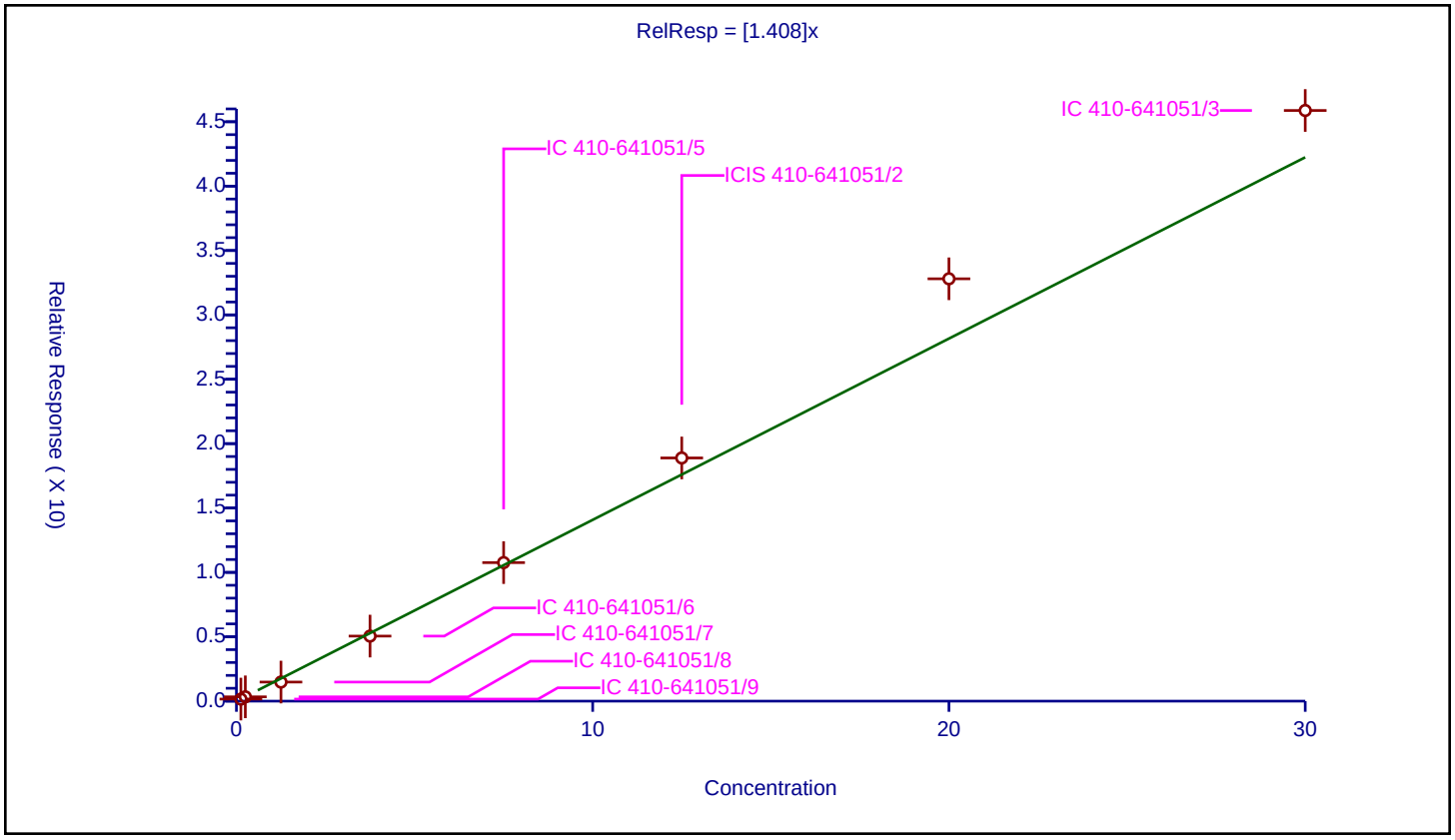
Curve Coefficients

Intercept:	0
Slope:	1.408

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.159854	5.0	703955.0	1.278832	Y
2	IC 410-641051/8	0.25	0.334349	5.0	746749.0	1.337397	Y
3	IC 410-641051/7	1.25	1.481631	5.0	761232.0	1.185305	Y
4	IC 410-641051/6	3.75	5.052314	5.0	814981.0	1.347284	Y
5	IC 410-641051/5	7.5	10.759378	5.0	718924.0	1.434584	Y
6	ICIS 410-641051/2	12.5	18.888655	5.0	867161.0	1.511092	Y
7	IC 410-641051/4	20.0	32.803613	5.0	767251.0	1.640181	Y
8	IC 410-641051/3	30.0	45.875477	5.0	780877.0	1.529183	Y



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Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

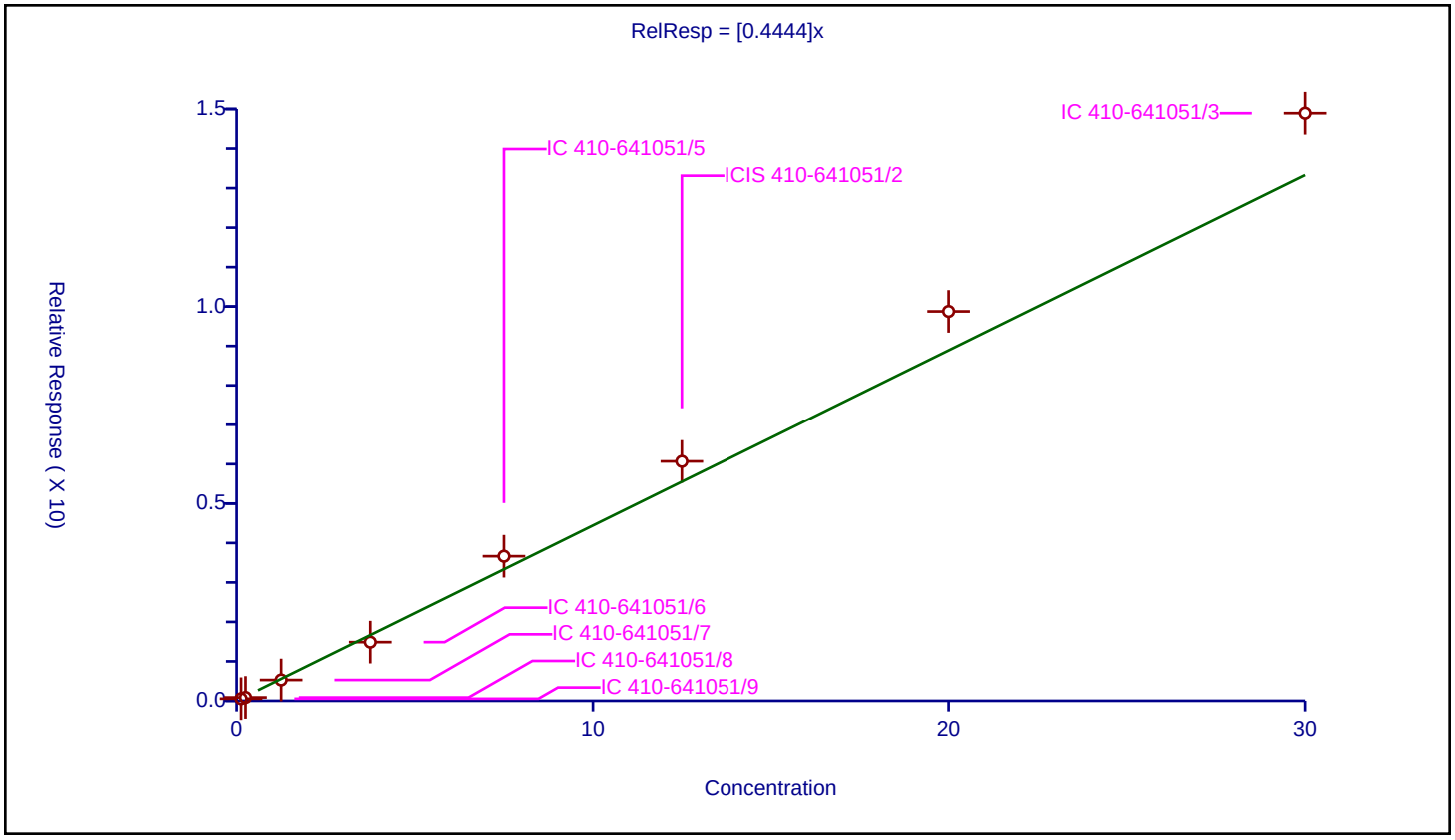
Curve Coefficients

Intercept:	0
Slope:	0.4444

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.053732	5.0	703955.0	0.429857	Y
2	IC 410-641051/8	0.25	0.085296	5.0	746749.0	0.341186	Y
3	IC 410-641051/7	1.25	0.528545	5.0	761232.0	0.422836	Y
4	IC 410-641051/6	3.75	1.487703	5.0	814981.0	0.396721	Y
5	IC 410-641051/5	7.5	3.664289	5.0	718924.0	0.488572	Y
6	ICIS 410-641051/2	12.5	6.07017	5.0	867161.0	0.485614	Y
7	IC 410-641051/4	20.0	9.876064	5.0	767251.0	0.493803	Y
8	IC 410-641051/3	30.0	14.893696	5.0	780877.0	0.496457	Y



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Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

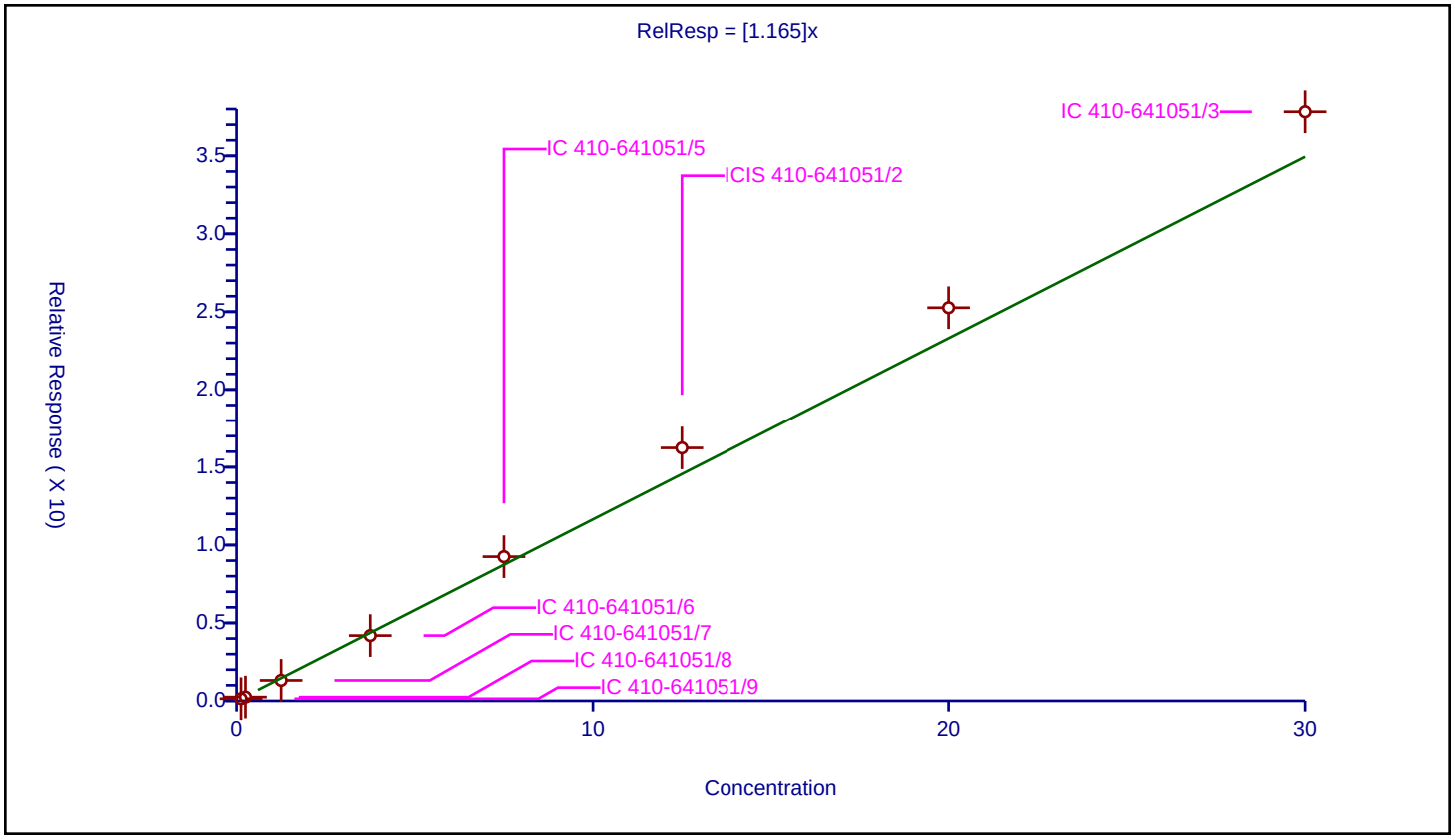
Curve Coefficients

Intercept:	0
Slope:	1.165

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.13883	5.0	703955.0	1.110639	Y
2	IC 410-641051/8	0.25	0.245578	5.0	746749.0	0.982311	Y
3	IC 410-641051/7	1.25	1.314658	5.0	761232.0	1.051727	Y
4	IC 410-641051/6	3.75	4.188693	5.0	814981.0	1.116985	Y
5	IC 410-641051/5	7.5	9.253057	5.0	718924.0	1.233741	Y
6	ICIS 410-641051/2	12.5	16.241136	5.0	867161.0	1.299291	Y
7	IC 410-641051/4	20.0	25.259739	5.0	767251.0	1.262987	Y
8	IC 410-641051/3	30.0	37.825618	5.0	780877.0	1.260854	Y



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Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

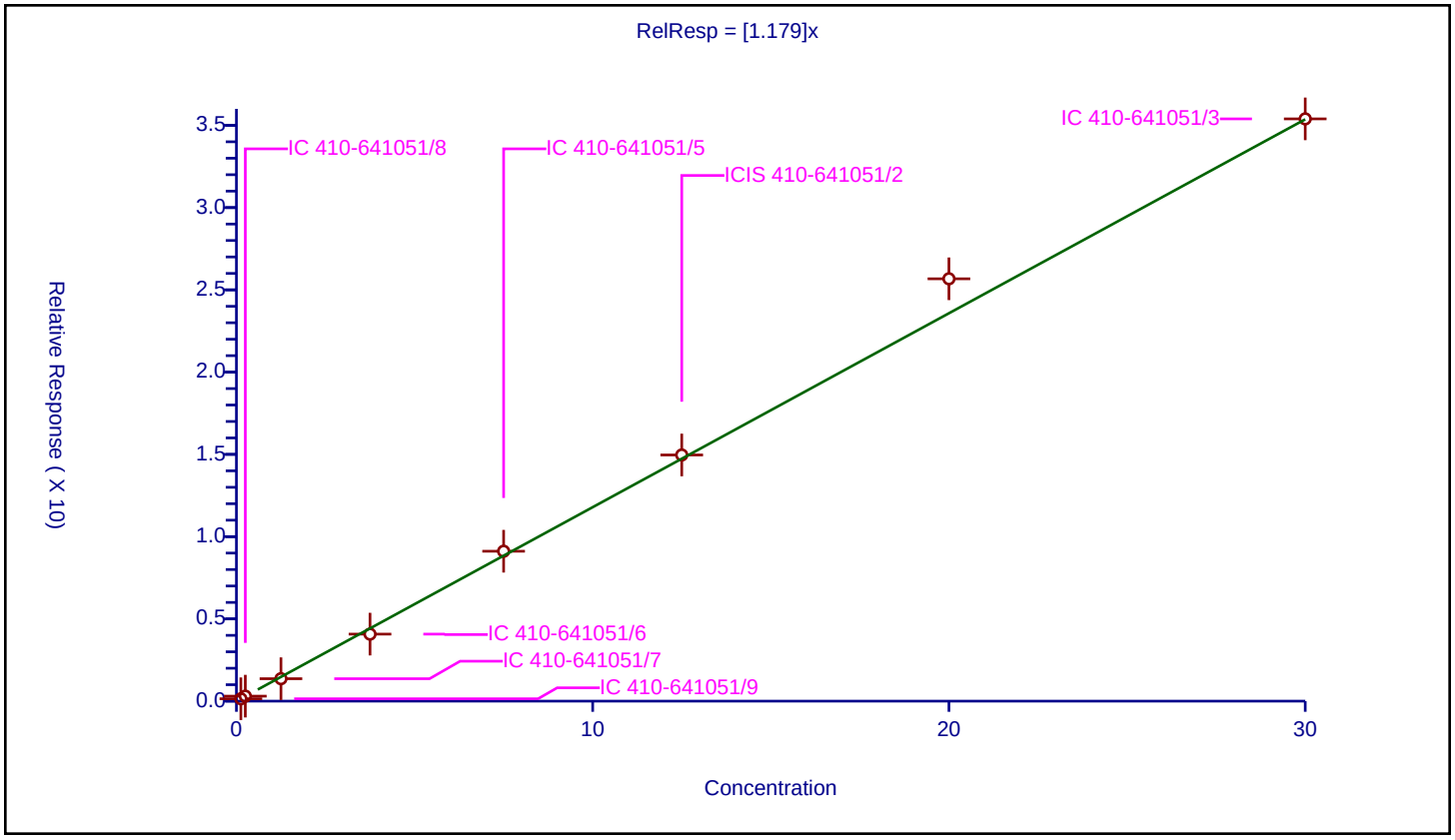
Curve Coefficients

Intercept:	0
Slope:	1.179

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.145357	5.0	703955.0	1.162858	Y
2	IC 410-641051/8	0.25	0.30365	5.0	746749.0	1.214598	Y
3	IC 410-641051/7	1.25	1.364407	5.0	761232.0	1.091525	Y
4	IC 410-641051/6	3.75	4.074481	5.0	814981.0	1.086528	Y
5	IC 410-641051/5	7.5	9.111881	5.0	718924.0	1.214917	Y
6	ICIS 410-641051/2	12.5	14.963398	5.0	867161.0	1.197072	Y
7	IC 410-641051/4	20.0	25.672902	5.0	767251.0	1.283645	Y
8	IC 410-641051/3	30.0	35.392904	5.0	780877.0	1.179763	Y



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Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

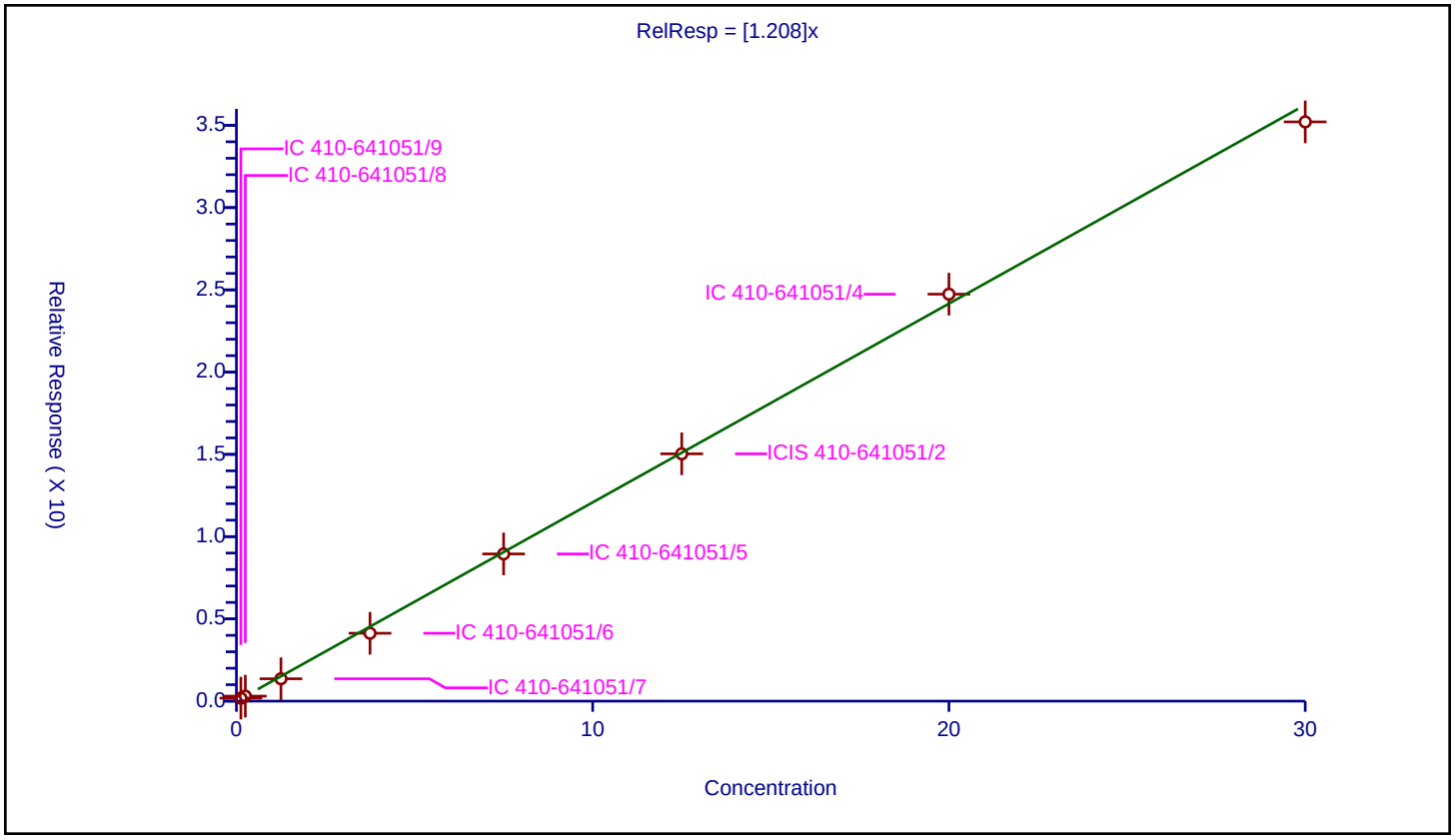
Curve Coefficients

Intercept:	0
Slope:	1.208

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.182497	5.0	703955.0	1.45998	Y
2	IC 410-641051/8	0.25	0.3029	5.0	746749.0	1.211599	Y
3	IC 410-641051/7	1.25	1.358712	5.0	761232.0	1.08697	Y
4	IC 410-641051/6	3.75	4.126176	5.0	814981.0	1.100314	Y
5	IC 410-641051/5	7.5	8.947128	5.0	718924.0	1.19295	Y
6	ICIS 410-641051/2	12.5	15.032935	5.0	867161.0	1.202635	Y
7	IC 410-641051/4	20.0	24.738501	5.0	767251.0	1.236925	Y
8	IC 410-641051/3	30.0	35.210212	5.0	780877.0	1.173674	Y



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Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

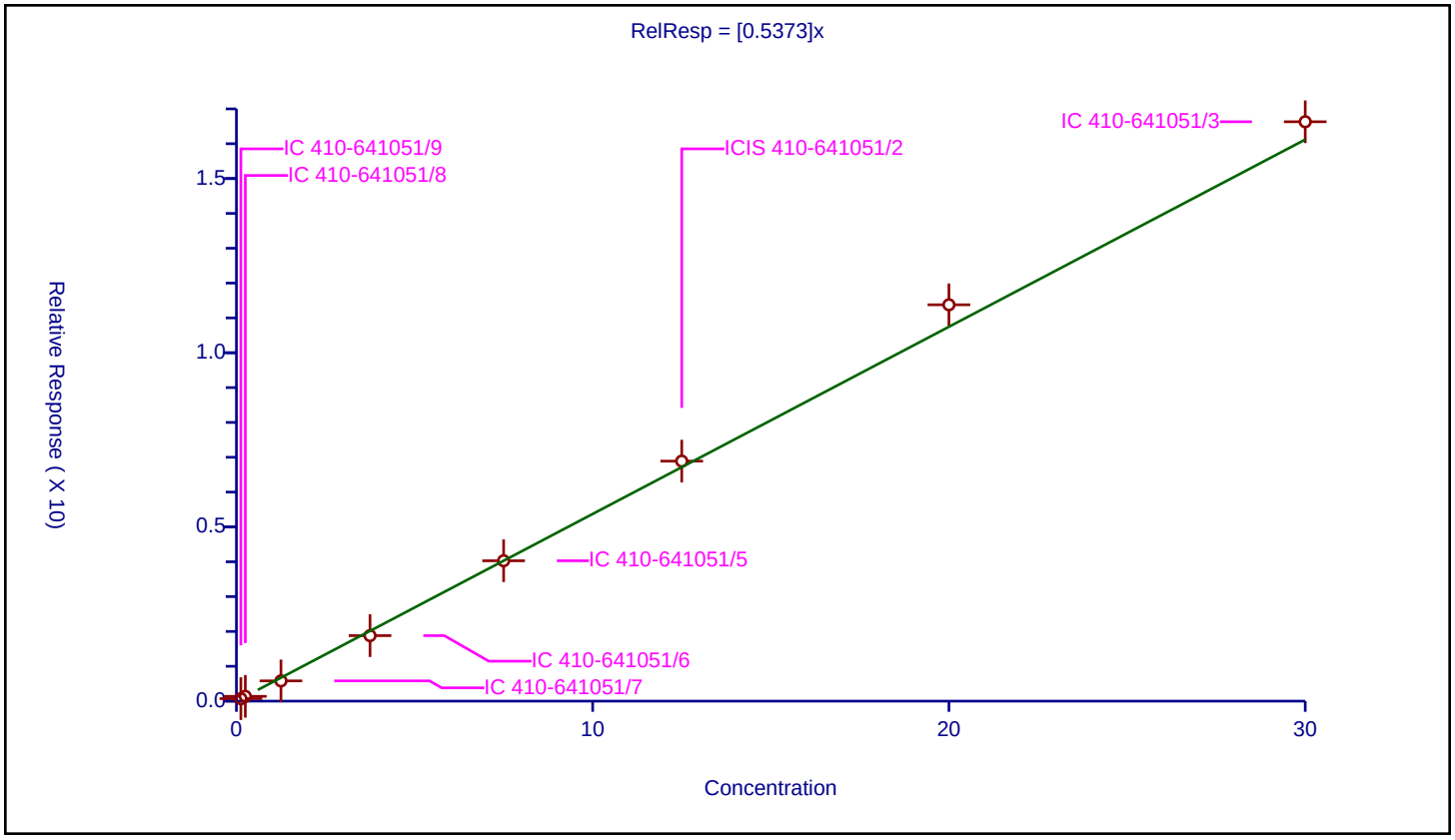
Curve Coefficients

Intercept:	0
Slope:	0.5373

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.071134	5.0	703955.0	0.56907	Y
2	IC 410-641051/8	0.25	0.137764	5.0	746749.0	0.551055	Y
3	IC 410-641051/7	1.25	0.581367	5.0	761232.0	0.465093	Y
4	IC 410-641051/6	3.75	1.880676	5.0	814981.0	0.501514	Y
5	IC 410-641051/5	7.5	4.029501	5.0	718924.0	0.537267	Y
6	ICIS 410-641051/2	12.5	6.889113	5.0	867161.0	0.551129	Y
7	IC 410-641051/4	20.0	11.377176	5.0	767251.0	0.568859	Y
8	IC 410-641051/3	30.0	16.630628	5.0	780877.0	0.554354	Y



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Calibration / Dibenz[a,h]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

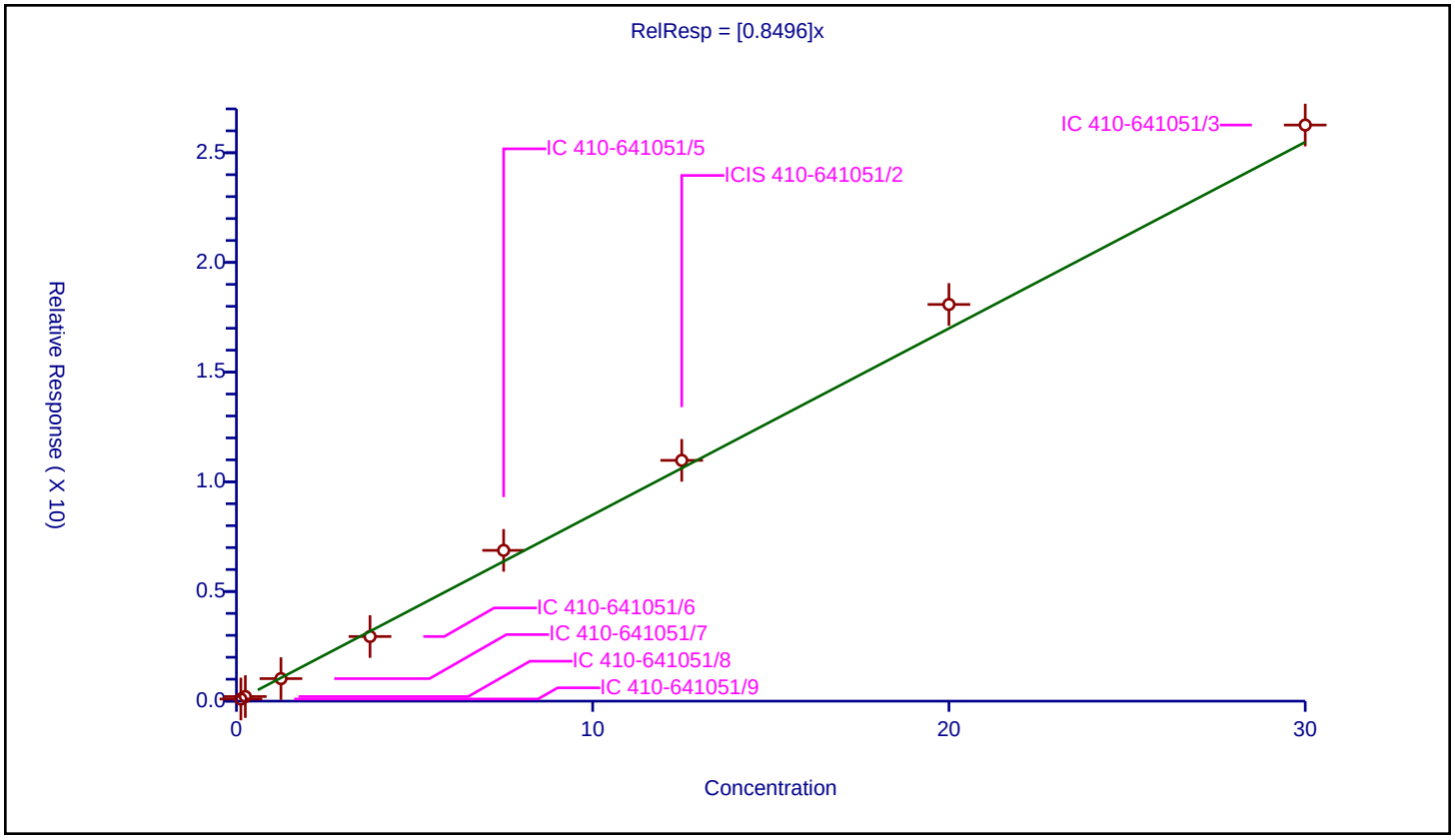
Curve Coefficients

Intercept:	0
Slope:	0.8496

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.097435	5.0	703955.0	0.779482	Y
2	IC 410-641051/8	0.25	0.209039	5.0	746749.0	0.836158	Y
3	IC 410-641051/7	1.25	1.026481	5.0	761232.0	0.821185	Y
4	IC 410-641051/6	3.75	2.946228	5.0	814981.0	0.785661	Y
5	IC 410-641051/5	7.5	6.872493	5.0	718924.0	0.916332	Y
6	ICIS 410-641051/2	12.5	10.976854	5.0	867161.0	0.878148	Y
7	IC 410-641051/4	20.0	18.083652	5.0	767251.0	0.904183	Y
8	IC 410-641051/3	30.0	26.264642	5.0	780877.0	0.875488	Y



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Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

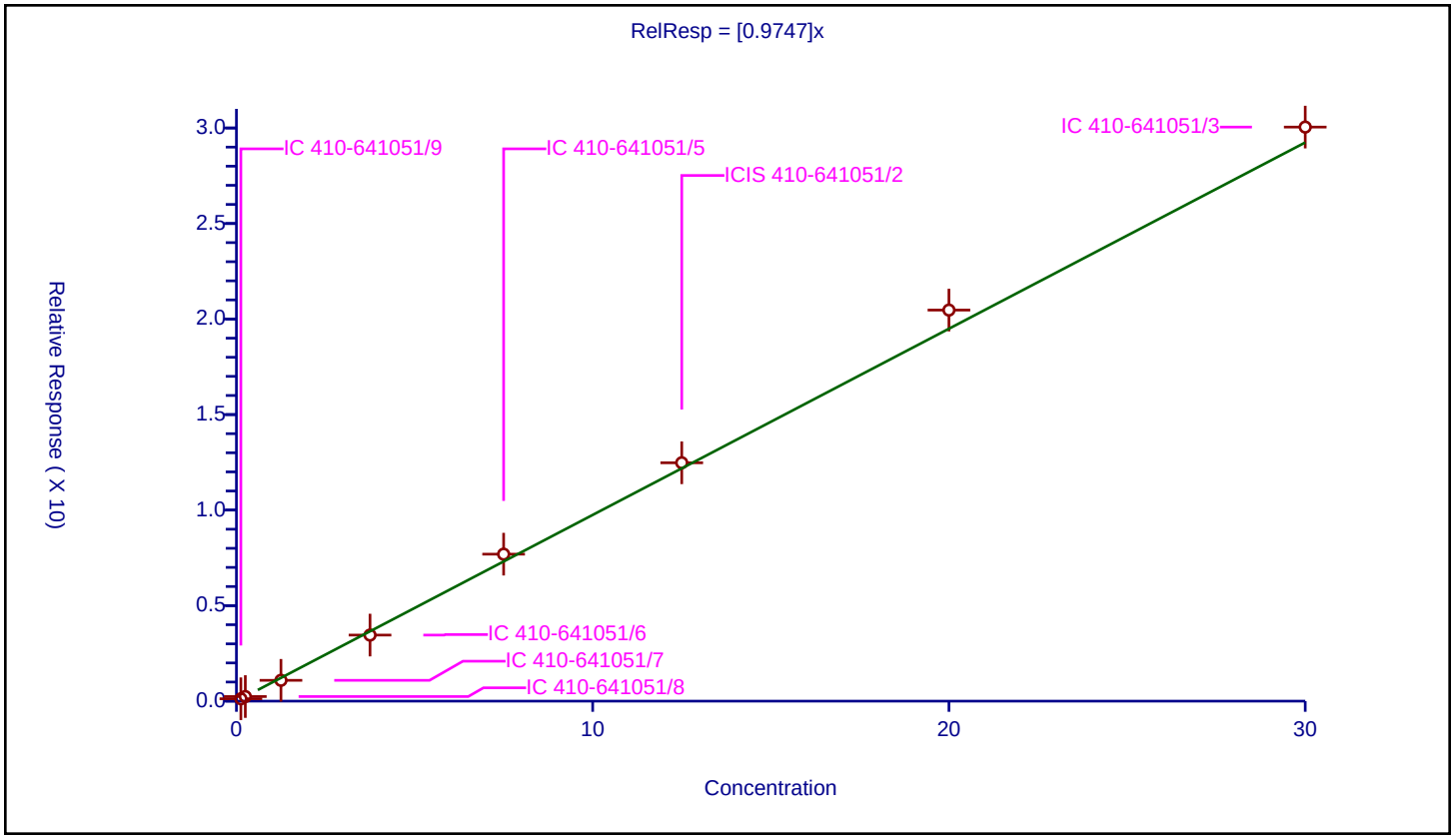
Curve Coefficients

Intercept:	0
Slope:	0.9747

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.124127	5.0	703955.0	0.993018	Y
2	IC 410-641051/8	0.25	0.240382	5.0	746749.0	0.961528	Y
3	IC 410-641051/7	1.25	1.089931	5.0	761232.0	0.871944	Y
4	IC 410-641051/6	3.75	3.457798	5.0	814981.0	0.92208	Y
5	IC 410-641051/5	7.5	7.692726	5.0	718924.0	1.025697	Y
6	ICIS 410-641051/2	12.5	12.477077	5.0	867161.0	0.998166	Y
7	IC 410-641051/4	20.0	20.469436	5.0	767251.0	1.023472	Y
8	IC 410-641051/3	30.0	30.048362	5.0	780877.0	1.001612	Y



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Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

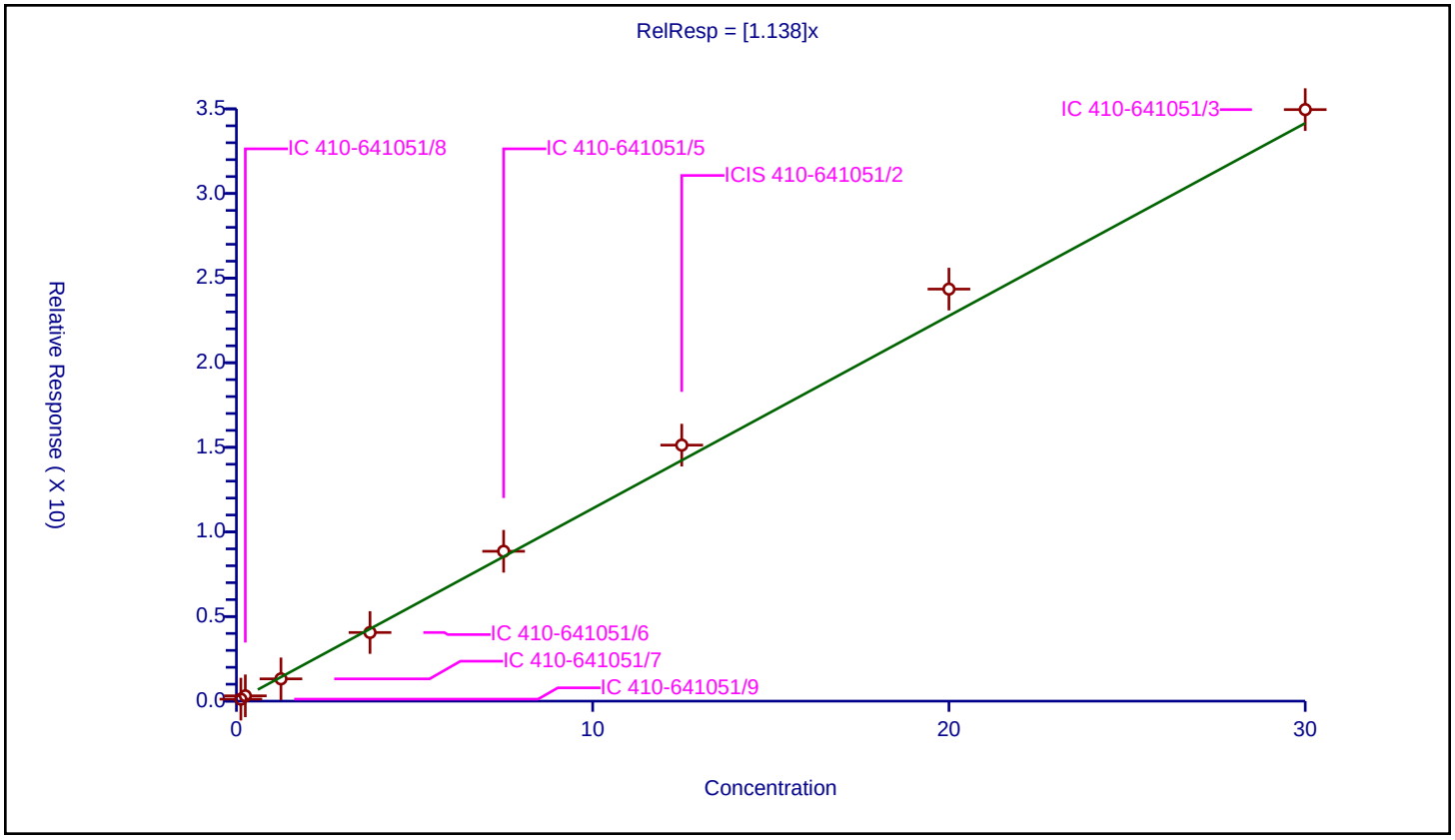
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.118118	5.0	703955.0	0.944947	Y
2	IC 410-641051/8	0.25	0.313512	5.0	746749.0	1.254049	Y
3	IC 410-641051/7	1.25	1.316366	5.0	761232.0	1.053093	Y
4	IC 410-641051/6	3.75	4.056328	5.0	814981.0	1.081687	Y
5	IC 410-641051/5	7.5	8.856513	5.0	718924.0	1.180868	Y
6	ICIS 410-641051/2	12.5	15.129607	5.0	867161.0	1.210369	Y
7	IC 410-641051/4	20.0	24.350363	5.0	767251.0	1.217518	Y
8	IC 410-641051/3	30.0	34.957625	5.0	780877.0	1.165254	Y



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Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

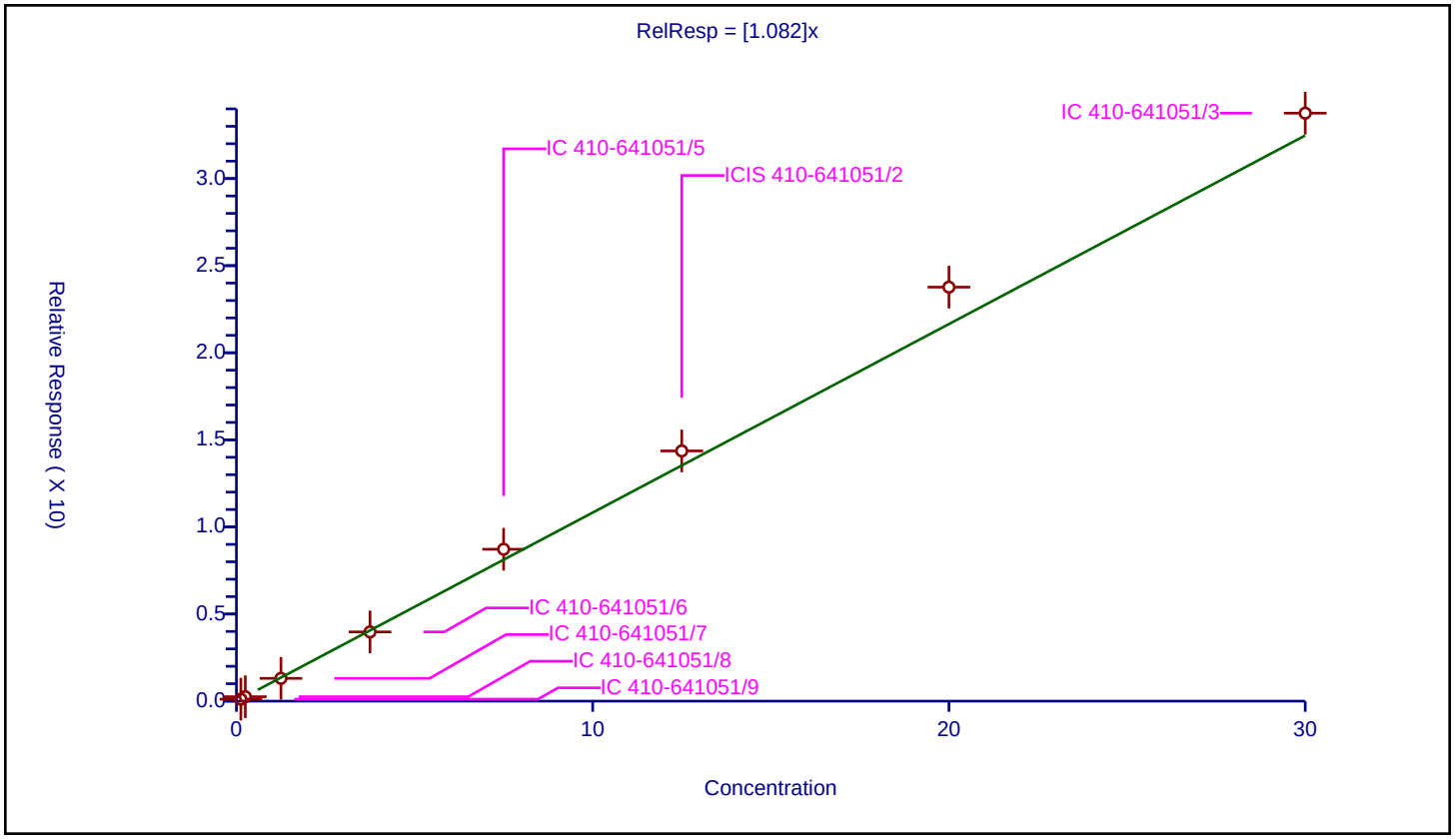
Curve Coefficients

Intercept:	0
Slope:	1.082

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.113914	5.0	703955.0	0.911308	Y
2	IC 410-641051/8	0.25	0.254242	5.0	746749.0	1.016968	Y
3	IC 410-641051/7	1.25	1.307519	5.0	761232.0	1.046015	Y
4	IC 410-641051/6	3.75	3.974074	5.0	814981.0	1.059753	Y
5	IC 410-641051/5	7.5	8.721068	5.0	718924.0	1.162809	Y
6	ICIS 410-641051/2	12.5	14.364345	5.0	867161.0	1.149148	Y
7	IC 410-641051/4	20.0	23.767242	5.0	767251.0	1.188362	Y
8	IC 410-641051/3	30.0	33.753446	5.0	780877.0	1.125115	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

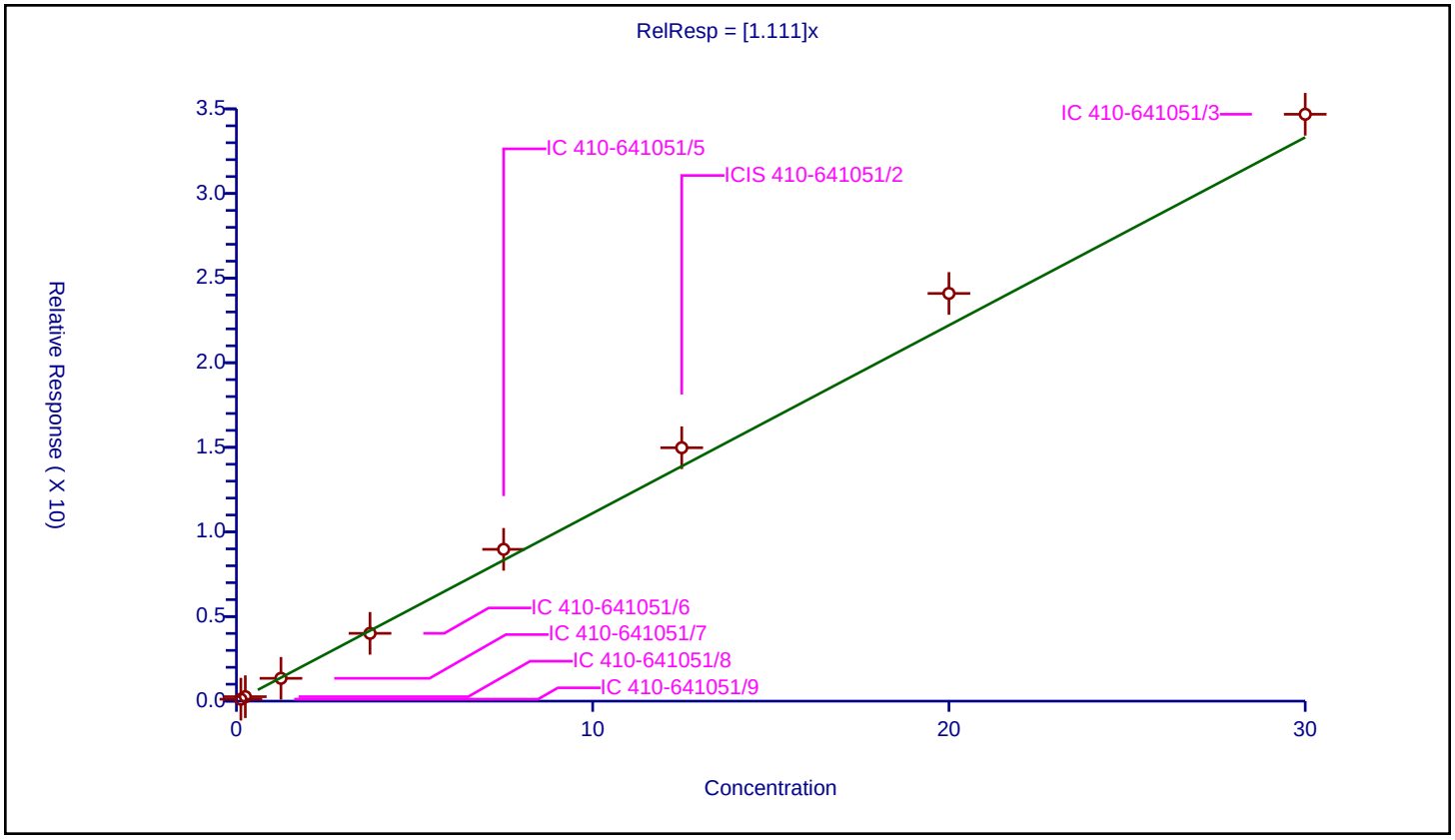
Curve Coefficients

Intercept:	0
Slope:	1.111

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-641051/9	0.125	0.115902	5.0	703955.0	0.927218	Y
2	IC 410-641051/8	0.25	0.263897	5.0	746749.0	1.055589	Y
3	IC 410-641051/7	1.25	1.34859	5.0	761232.0	1.078872	Y
4	IC 410-641051/6	3.75	4.006118	5.0	814981.0	1.068298	Y
5	IC 410-641051/5	7.5	8.9709	5.0	718924.0	1.19612	Y
6	ICIS 410-641051/2	12.5	14.975529	5.0	867161.0	1.198042	Y
7	IC 410-641051/4	20.0	24.094371	5.0	767251.0	1.204719	Y
8	IC 410-641051/3	30.0	34.681576	5.0	780877.0	1.156053	Y



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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-663002/9	JF2558.D
Level 2	IC 410-663002/8	JF2557.D
Level 3	IC 410-663002/7	JF2556.D
Level 4	IC 410-663002/6	JF2555.D
Level 5	IC 410-663002/5	JF2554.D
Level 6	ICIS 410-663002/2	JF2551.D
Level 7	IC 410-663002/4	JF2553.D
Level 8	IC 410-663002/3	JF2552.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	+++++ 0.5553	+++++ 0.5573	0.7478 0.6019	0.5640	0.6126	Ave		0.6065				12.1		20.0			
N-Nitrosodimethylamine	0.7846 1.0598	0.9437 1.0382	1.0661 1.1523	0.9885	1.1226	Ave		1.0195				11.4		20.0			
Pyridine	2.3671 1.8387	1.7393 1.7369	1.6739 1.7415	1.7421	1.7429	Ave		1.8228				12.3		20.0			
N,N-dimethylformamide	+++++ 1.2264	+++++ 1.2945	0.9967 1.2792	1.1059	1.1904	Ave		1.1822				9.6		20.0			
2-Picoline	1.4201 1.6528	1.3579 1.6471	1.6754 1.7487	1.5595	1.5998	Ave		1.5827				8.4		20.0			
N-Nitrosomethylethylamine	+++++ 0.7130	+++++ 0.7225	0.7795 0.7556	0.7400	0.7293	Ave		0.7400				3.3		20.0			
Methyl methanesulfonate	1.3559 1.0970	1.1025 1.1312	1.1087 1.2239	1.0943	1.1608	Ave		1.1593				7.8		20.0			
N-Nitrosodiethylamine	0.9079 0.6943	0.7911 0.7252	0.6818 0.7655	0.6523	0.6786	Ave		0.7371				11.3		20.0			
Ethyl methanesulfonate	0.5762 0.7159	0.7034 0.7337	0.7178 0.7911	0.7009	0.7447	Ave		0.7105				8.7		20.0			
Benzaldehyde	1.3455 1.5898	1.4213 1.5492	1.8892 1.4836	1.5658	1.6577	Ave		1.5627			0.0100	10.5		20.0			
Aniline	1.7470 2.4808	2.0735 2.5531	2.3618 2.6835	2.4496	2.5473	Ave		2.3621				13.0		20.0			
Phenol	1.6270 2.2419	1.9999 2.3057	2.1392 2.4195	2.1384	2.3106	Ave		2.1478			0.8000	11.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bis(2-chloroethyl)ether	1.6485 1.5230	1.4724 1.5131	1.5408 1.6260	1.4789	1.5728	Ave		1.5470			0.7000	4.2		20.0			
2-Chlorophenol	1.0728 1.1749	1.3593 1.2303	1.1157 1.2973	1.1641	1.2592	Ave		1.2092			0.8000	7.9		20.0			
1,3-Dichlorobenzene	1.5498 1.3780	1.3329 1.3942	1.4355 1.5005	1.3994	1.4383	Ave		1.4286				4.9		20.0			
1,4-Dichlorobenzene	1.3690 1.3849	1.5854 1.4301	1.3775 1.4983	1.4397	1.5040	Ave		1.4486				5.2		20.0			
Benzyl alcohol	0.7800 0.9585	0.9210 0.9754	0.8431 1.0509	0.9094	0.9937	Ave		0.9290				9.3		20.0			
1,2-Dichlorobenzene	1.2800 1.3366	1.2912 1.3573	1.4153 1.4245	1.3668	1.3935	Ave		1.3582				3.9		20.0			
2,2'-oxybis[1-chloropropane]	3.0740 2.7367	2.9892 2.6782	2.7091 2.8761	2.7208	2.8617	Ave		2.8307			0.0100	5.1		20.0			
2-Methylphenol	1.4815 1.3071	1.4264 1.3634	1.2736 1.4547	1.2881	1.3800	Ave		1.3719			0.7000	5.7		20.0			
N-Nitrosopyrrolidine	0.7168 0.8203	0.7507 0.8384	0.8405 0.8838	0.7997	0.8765	Ave		0.8158				7.1		20.0			
Acetophenone	1.9367 2.1756	2.3412 2.1665	2.3393 2.3158	2.1788	2.3685	Ave		2.2278			0.0100	6.5		20.0			
N-Nitrosodi-n-propylamine	1.2255 1.4532	1.5232 1.4350	1.5454 1.5286	1.3865	1.5354	Ave		1.4541			0.5000	7.5		20.0			
N-Nitrosomorpholine	1.0897 1.1617	0.9340 1.2010	1.1913 1.2619	1.1518	1.2237	Ave		1.1519				8.8		20.0			
2-Toluidine	2.2659 2.2655	2.3333 2.3558	2.3513 2.3970	2.2943	2.4356	Ave		2.3373				2.6		20.0			
3,4-Methylphenol	1.1283 1.5084	1.2571 1.5485	1.5351 1.6182	1.5045	1.6084	Ave		1.4636			0.6000	12.0		20.0			
Hexachloroethane	0.8306 0.6586	0.7354 0.6574	0.6687 0.6989	0.6738	0.6946	Ave		0.7022			0.3000	8.3		20.0			
Nitrobenzene	0.5652 0.6304	0.6906 0.6140	0.6277 0.6448	0.5920	0.6018	Ave		0.6208			0.2000	6.1		20.0			
N-Nitrosopiperidine	0.1890 0.2006	0.2164 0.1999	0.2177 0.2180	0.1969	0.2048	Ave		0.2054				5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isophorone	1.0989 1.0712	1.0615 1.0689	1.0718 1.1289	1.0373	1.0369	Ave		1.0719			0.4000	2.8		20.0			
2-Nitrophenol	0.1725 0.1857	0.1541 0.1909	0.1802 0.2044	0.1763	0.1767	Ave		0.1801			0.1000	8.1		20.0			
2,4-Dimethylphenol	0.3642 0.4671	0.4096 0.4720	0.4249 0.5066	0.4406	0.4618	Ave		0.4434			0.2000	9.9		20.0			
o,o',o''-Triethylphosphorothioate	0.1906 0.1965	0.1971 0.1931	0.2095 0.2086	0.1974	0.1924	Ave		0.1982				3.6		20.0			
Bis(2-chloroethoxy)methane	0.4956 0.6300	0.6527 0.6079	0.6413 0.6608	0.6149	0.6127	Ave		0.6145			0.3000	8.4		20.0			
2,4-Dichlorophenol	0.2818 0.3448	0.3293 0.3495	0.3093 0.3758	0.3160	0.3406	Ave		0.3309			0.2000	8.7		20.0			
1,2,4-Trichlorobenzene	0.3958 0.3947	0.4255 0.4085	0.4221 0.4255	0.3753	0.3869	Ave		0.4043				4.7		20.0			
Naphthalene	1.1553 1.0354	1.0349 1.0326	1.0764 1.1033	1.0786	1.0619	Ave		1.0723			0.7000	3.9		20.0			
a-Terpineol	0.5687 0.4895	0.5383 0.4948	0.4946 0.5235	0.4863	0.4927	Ave		0.5110				5.8		20.0			
4-Chloroaniline	+++++ 0.4483	0.3129 0.4644	0.4085 0.4774	0.4131	0.4192	Ave		0.4205			0.0100	12.9		20.0			
2,6-Dichlorophenol	0.3663 0.3427	0.2988 0.3445	0.3522 0.3583	0.3299	0.3234	Ave		0.3395				6.4		20.0			
Hexachloropropene	0.3005 0.3309	0.3185 0.3332	0.3441 0.3457	0.3087	0.3124	Ave		0.3242				5.2		20.0			
Hexachlorobutadiene	0.2301 0.2526	0.2881 0.2539	0.2501 0.2656	0.2492	0.2506	Ave		0.2550			0.0100	6.5		20.0			
Quinoline	0.6920 0.7051	0.5478 0.7134	0.7768 0.7515	0.7039	0.7013	Ave		0.6990				9.7		20.0			
N-Nitrosodi-n-butylamine	+++++ 0.4775	+++++ 0.4870	0.5375 0.3968	0.4675	0.4665	Ave		0.4721				9.6		20.0			
Caprolactam	0.0770 0.1022	0.1057 0.1024	0.0975 0.1039	0.0937	0.1020	Ave		0.0980			0.0100	9.5		20.0			
1,4-phenylenediamine	+++++ 0.3457	+++++ 0.3740	+++++ 0.3857	0.2960	0.3285	Ave		0.3460				10.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.5320 0.4034	0.3887 0.4050	0.3897 0.4335	0.3971	0.4084	Ave		0.4197			0.2000	11.3		20.0			
Safrole, Total	0.2714 0.2944	0.2753 0.2928	0.3069 0.3135	0.2835	0.2910	Ave		0.2911				5.0		20.0			
2-Methylnaphthalene	0.5641 0.6391	0.5933 0.6429	0.6581 0.6690	0.6302	0.6287	Ave		0.6282			0.4000	5.5		20.0			
1-Methylnaphthalene	0.7818 0.6601	0.6881 0.6639	0.6858 0.6941	0.6700	0.6596	Ave		0.6879				5.8		20.0			
Hexachlorocyclopentadiene	0.4795 0.5638	0.4229 0.5528	0.4758 0.6247	0.5020	0.5856	Ave		0.5259			0.0500	12.7		20.0			
1,2,4,5-Tetrachlorobenzene	0.8050 0.7185	0.6970 0.7156	0.7451 0.7911	0.6919	0.7732	Ave		0.7422			0.0100	5.8		20.0			
Isosafrole Peak 1	0.7151 0.5575	0.4500 0.5281	0.5610 0.6167	0.5746	0.5803	Ave		0.5729				13.1		20.0			
2,4,6-Trichlorophenol	0.3363 0.4470	0.3584 0.4217	0.3801 0.4881	0.4051	0.4596	Ave		0.4121			0.2000	12.7		20.0			
2,4,5-Trichlorophenol	0.3179 0.5028	0.4078 0.4635	0.4675 0.5272	0.4746	0.5153	Ave		0.4596			0.2000	14.8		20.0			
Isosafrole Peak 2	0.7299 0.6104	0.5742 0.5711	0.5897 0.6458	0.5906	0.6234	Ave		0.6169				8.5		20.0			
1,1'-Biphenyl	1.3423 1.4634	1.3841 1.3944	1.4399 1.5655	1.4314	1.5172	Ave		1.4423			0.0100	5.0		20.0			
2-Chloronaphthalene	1.0602 1.2919	1.1030 1.0376	1.2664 1.3027	1.2338	1.3097	Ave		1.2007			0.8000	9.5		20.0			
1-Chloronaphthalene	1.4582 1.0692	1.2828 1.2113	1.2333 1.2720	1.0990	1.1960	Ave		1.2277				9.8		20.0			
Diphenyl ether	1.0180 0.8788	0.8031 0.8159	0.9409 0.9149	0.8726	0.9380	Ave		0.8978				7.9		20.0			
2-Nitroaniline	0.3339 0.3558	0.2397 0.3481	0.3211 0.4051	0.3548	0.3624	Ave		0.3401			0.0100	13.9		20.0			
1,4-Naphthoquinone	0.4125 0.4652	0.4072 0.4333	0.4562 0.4803	0.4762	0.4896	Ave		0.4526				6.9		20.0			
1,4-Dinitrobenzene	+++++ 0.1831	0.1653 0.1717	0.1724 0.2063	0.1660	0.1845	Ave		0.1785				8.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dimethyl phthalate	1.6099 1.4162	1.3522 1.2944	1.4383 1.5266	1.3970	1.4441	Ave		1.4348			0.0100	6.8		20.0			
1,3-Dinitrobenzene	0.1382 0.1971	0.1617 0.1902	0.1991 0.2150	0.1961	0.2092	Ave		0.1883				13.6		20.0			
2,6-Dinitrotoluene	0.3172 0.3116	0.2918 0.2762	0.3078 0.3281	0.3002	0.3202	Ave		0.3067			0.2000	5.5		20.0			
Acenaphthylene	1.8908 1.8884	1.8684 1.7960	1.8894 2.0519	1.8319	1.9331	Ave		1.8937			0.9000	4.0		20.0			
3-Nitroaniline	+++++ 0.3248	0.2222 0.2968	0.2829 0.3492	0.2791	0.3115	Ave		0.2952			0.0100	13.7		20.0			
Acenaphthene	1.2612 1.2109	1.2864 1.1297	1.1858 1.3078	1.1846	1.2874	Ave		1.2317			0.9000	5.1		20.0			
2,4-Dinitrophenol	+++++ 0.2058	+++++ 0.2019	0.1598 0.2368	0.1914	0.2030	Ave		0.1998			0.0100	12.4		20.0			
Pentachlorobenzene	0.6197 0.5927	0.6322 0.5627	0.6569 0.6475	0.5839	0.6339	Ave		0.6162				5.4		20.0			
4-Nitrophenol	+++++ 0.2687	0.1769 0.2242	0.2343 0.2785	0.2202	0.2494	Ave		0.2360			0.0100	14.4		20.0			
Dibenzofuran	1.7902 1.6685	1.7997 1.5636	1.7113 1.8241	1.6346	1.7349	Ave		1.7159			0.8000	5.2		20.0			
2,4-Dinitrotoluene	0.3648 0.4287	0.4475 0.3939	0.4078 0.4529	0.4281	0.4480	Ave		0.4214			0.2000	7.3		20.0			
1-Naphthylamine	0.9239 1.1486	1.1450 1.0687	1.0923 1.2662	1.0911	1.1443	Ave		1.1100				8.7		20.0			
2,3,4,6-Tetrachlorophenol	0.4349 0.4121	0.3664 0.3809	0.3863 0.4352	0.3647	0.4154	Ave		0.3995			0.0100	7.2		20.0			
2-Naphthylamine	0.9829 1.1655	1.2444 1.0593	1.2140 1.2813	1.1356	1.1870	Ave		1.1587				8.5		20.0			
Diethyl phthalate	1.4878 1.3699	1.6010 1.2859	1.4591 1.4928	1.3911	1.4110	Ave		1.4373			0.0100	6.6		20.0			
Fluorene	1.2923 1.2926	1.2633 1.2069	1.3075 1.4339	1.2946	1.3975	Ave		1.3111			0.9000	5.5		20.0			
Thionazin	+++++ 0.2644	0.3179 0.2381	0.2359 0.2846	0.2547	0.2619	Ave		0.2653				10.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorophenyl phenyl ether	0.8364 0.6631	0.7780 0.6295	0.6480 0.7117	0.6574	0.7198	Ave		0.7055			0.4000	10.1		20.0			
5-Nitro-o-toluidine	0.4360 0.3697	0.2846 0.3480	0.3434 0.3952	0.3625	0.3841	Ave		0.3654				12.0		20.0			
4-Nitroaniline	+++++ 0.2979	0.2627 0.2701	0.2661 0.3239	0.2664	0.3008	Ave		0.2840			0.0100	8.3		20.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1432	0.1075 0.1497	0.1272 0.1630	0.1324	0.1443	Ave		0.1382			0.0100	12.9		20.0			
N-Nitrosodiphenylamine	0.5515 0.5986	0.5052 0.5936	0.5464 0.6370	0.6162	0.5953	Ave		0.5805			0.0100	7.4		20.0			
1,2-Diphenylhydrazine	1.2349 1.1255	1.2095 1.0964	1.0775 1.1815	1.0959	1.0925	Ave		1.1392				5.3		20.0			
Sulfotepp	0.2206 0.1949	0.2143 0.1848	0.1814 0.2027	0.1931	0.1822	Ave		0.1967				7.5		20.0			
cis-Diallate	+++++ 0.3665	+++++ 0.3778	0.4240 0.3923	0.3816	0.3671	Ave		0.3849				5.6		20.0			
Phorate	0.8449 1.0208	0.9087 1.0161	0.9373 1.0777	0.9820	0.9539	Ave		0.9677				7.5		20.0			
1,3,5-Trinitrobenzene	+++++ 0.0793	0.0656 0.0756	0.0589 0.0833	0.0729	0.0680	Ave		0.0719				11.7		20.0			
Phenacetin	+++++ 0.4602	+++++ 0.4350	0.3752 0.4819	0.4297	0.4333	Ave		0.4359				8.2		20.0			
4-Bromophenyl phenyl ether	0.1732 0.2260	0.2523 0.2249	0.2152 0.2386	0.2344	0.2330	Ave		0.2247			0.1000	10.5		20.0			
trans-Diallate	+++++ 0.4223	+++++ 0.3764	0.4188 0.3917	0.3827	0.3798	Ave		0.3953				5.1		20.0			
Hexachlorobenzene	0.2508 0.2573	0.2905 0.2621	0.2721 0.2754	0.2687	0.2732	Ave		0.2688			0.1000	4.5		20.0			
Dimethoate	0.3637 0.3950	0.3182 0.3704	0.3449 0.4084	0.3788	0.3664	Ave		0.3682				7.6		20.0			
Atrazine	0.2651 0.2200	0.2325 0.2112	0.2091 0.2043	0.2258	0.2178	Ave		0.2232			0.0100	8.6		20.0			
Pentachlorophenol	+++++ 0.1727	0.1365 0.1771	0.1466 0.1953	0.1669	0.1644	Ave		0.1657			0.0500	11.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Aminobiphenyl	0.8834 0.7488	0.7281 0.7838	0.7384 0.8423	0.7934	0.7872	Ave		0.7882				6.7		20.0			
Pentachloronitrobenzene	0.1073 0.1322	0.1436 0.1318	0.1468 0.1444	0.1336	0.1357	Ave		0.1344				9.3		20.0			
Pronamide	0.3493 0.3775	0.3461 0.3773	0.3583 0.4160	0.3870	0.3798	Ave		0.3739				6.1		20.0			
Phenanthrene	1.2181 1.0635	1.1666 1.0611	1.0369 1.1150	1.0930	1.0840	Ave		1.1048			0.7000	5.5		20.0			
Dinoseb	+++++ 0.2123	+++++ 0.2148	0.1559 0.2388	0.1932	0.2156	Ave		0.2051				13.7		20.0			
Disulfoton	0.5910 0.5970	0.5495 0.5823	0.5968 0.6251	0.6169	0.5790	Ave		0.5922				4.0		20.0			
Anthracene	1.0677 1.0750	1.0390 1.0879	1.0592 1.1634	1.1104	1.0685	Ave		1.0839			0.7000	3.5		20.0			
Carbazole	0.9381 1.0142	0.8795 0.9548	0.9385 1.0622	0.9946	0.9760	Ave		0.9697			0.0100	5.7		20.0			
Methyl parathion	0.2406 0.2935	0.2230 0.2940	0.2756 0.3131	0.2872	0.2793	Ave		0.2758				10.8		20.0			
Di-n-butyl phthalate	1.1536 1.1679	1.0588 1.1467	1.0568 1.2661	1.1291	1.1224	Ave		1.1377			0.0100	5.8		20.0			
Parathion	0.1017 0.1804	0.1341 0.1695	0.1502 0.1880	0.1654	0.1708	Ave		0.1575				17.9		20.0			
4-Nitroquinoline-1-oxide	+++++ 0.1030	+++++ 0.1065	0.0734 0.1213	0.0823	0.0874	Ave		0.0956				18.5		20.0			
Octachlorostyrene	0.1120 0.1047	0.0689 0.1005	0.1097 0.1091	0.1124	0.1013	Ave		0.1023				13.9		20.0			
Isodrin	+++++ 0.1486	0.2025 0.1511	0.1773 0.1561	0.1494	0.1469	Ave		0.1617				12.8		20.0			
Fluoranthene	1.1664 1.2617	1.1022 1.1991	1.1697 1.3217	1.2580	1.2373	Ave		1.2145			0.6000	5.7		20.0			
Benzidine	+++++ 0.7287	0.4871 0.7021	0.5917 0.6742	0.7011	0.7028	Ave		0.6554				13.2		20.0			
Pyrene	1.3555 1.2069	1.1793 1.1557	1.1823 1.2638	1.2414	1.1900	Ave		1.2219			0.6000	5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
p-Dimethylamino azobenzene	0.1858 0.1694	0.1172 0.1661	0.1358 0.1792	0.1585	0.1618	Ave		0.1592				14.2		20.0			
Chlorobenzilate	0.3249 0.3356	0.2794 0.3257	0.3232 0.3610	0.3352	0.3292	Ave		0.3268				6.9		20.0			
3,3'-Dimethylbenzidine	0.5009 0.6258	0.5124 0.5814	0.4960 0.6214	0.6136	0.5861	Ave		0.5672				9.8		20.0			
Butyl benzyl phthalate	0.5000 0.4576	0.4193 0.4321	0.3735 0.4813	0.4416	0.4386	Ave		0.4430			0.0100	8.7		20.0			
2-Acetylaminofluorene	+++++ 0.3815	+++++ 0.3907	+++++ 0.4283	0.3332	0.3515	Ave		0.3770				9.8		20.0			
Benzo[a]anthracene	1.0898 0.9557	0.8575 0.9726	0.8609 1.0525	0.9619	0.9770	Ave		0.9660			0.8000	8.4		20.0			
3,3'-Dichlorobenzidine	0.3434 0.3732	0.3102 0.3563	0.3241 0.3923	0.3548	0.3609	Ave		0.3519			0.0100	7.4		20.0			
4,4'-Methylene bis(2-chloroaniline)	0.2207 0.1973	0.1552 0.1920	0.1635 0.2036	0.1850	0.1893	Ave		0.1883				11.2		20.0			
Chrysene	1.0102 0.9245	0.9681 0.8724	0.8981 0.9600	0.9589	0.9173	Ave		0.9387			0.7000	4.7		20.0			
Bis(2-ethylhexyl) phthalate	0.5760 0.6251	0.5522 0.6070	0.4996 0.6790	0.5970	0.5973	Ave		0.5917			0.0100	8.9		20.0			
6-Methylchrysene	0.6686 0.5777	0.5999 0.5705	0.5923 0.6339	0.5814	0.5637	Ave		0.5985				6.0		20.0			
Di-n-octyl phthalate	1.2771 1.3983	1.1914 1.4149	1.0646 1.5598	1.2298	1.2517	Ave		1.2984			0.0100	11.8		20.0			
Benzo[b]fluoranthene	1.0660 1.2935	1.1468 1.2530	1.1673 1.3899	1.2150	1.1993	Ave		1.2164			0.7000	8.1		20.0			
7,12-Dimethylbenz(a)anthracene	0.3871 0.5165	0.4150 0.5265	0.4477 0.5731	0.4791	0.4943	Ave		0.4799				12.8		20.0			
Benzo[k]fluoranthene	1.4275 1.2264	1.1655 1.2825	1.2080 1.3219	1.1997	1.2194	Ave		1.2564			0.7000	6.8		20.0			
Benzo[a]pyrene	1.2404 1.1785	1.0827 1.1866	1.0670 1.2688	1.1180	1.1531	Ave		1.1619			0.7000	6.2		20.0			
3-Methylcholanthrene	0.4855 0.5433	0.5176 0.5468	0.4546 0.5956	0.5141	0.5066	Ave		0.5205				8.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dibenz[a,h]acridine	0.8492 0.8775	0.9320 0.8919	0.8628 0.9803	0.8333	0.8539	Ave		0.8851				5.5		20.0			
Dibenz[a,j]acridine	0.9254 0.9258	0.7831 0.9163	0.8048 0.9928	0.8827	0.9210	Ave		0.8940				7.7		20.0			
Indeno[1,2,3-cd]pyrene	1.0866 1.0803	1.0599 1.0711	0.9412 1.1715	1.0567	1.0677	Ave		1.0669			0.5000	5.9		20.0			
Dibenz(a,h)anthracene	1.0418 1.0309	0.8648 1.0183	0.9450 1.0934	1.0468	1.0086	Ave		1.0062			0.4000	7.0		20.0			
Benzo[g,h,i]perylene	1.0746 1.1257	1.0877 1.0868	1.0267 1.1595	1.0561	1.0875	Ave		1.0881			0.5000	3.7		20.0			
2-Fluorophenol (Surr)	1.0216 1.2648	1.1146 1.2879	1.1860 1.3804	1.2199	1.2905	Ave		1.2207				9.2		20.0			
Phenol-d5 (Surr)	1.5746 1.9316	1.3904 2.0011	1.7801 2.0922	1.8950	1.9680	Ave		1.8291				12.9		20.0			
Nitrobenzene-d5 (Surr)	0.5803 0.6165	0.5792 0.6087	0.5647 0.6464	0.5838	0.5924	Ave		0.5965				4.4		20.0			
2-Fluorobiphenyl (Surr)	1.3053 1.4269	1.4015 1.3933	1.4367 1.5042	1.3681	1.5230	Ave		1.4199				5.0		20.0			
2,4,6-Tribromophenol (Surr)	0.1968 0.2454	0.2629 0.2241	0.2219 0.2682	0.2343	0.2500	Ave		0.2379				9.9		20.0			
p-Terphenyl-d14 (Surr)	0.7352 0.6699	0.6441 0.6430	0.6413 0.6989	0.6921	0.6736	Ave		0.6748				4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-663002/9	JF2558.D
Level 2	IC 410-663002/8	JF2557.D
Level 3	IC 410-663002/7	JF2556.D
Level 4	IC 410-663002/6	JF2555.D
Level 5	IC 410-663002/5	JF2554.D
Level 6	ICIS 410-663002/2	JF2551.D
Level 7	IC 410-663002/4	JF2553.D
Level 8	IC 410-663002/3	JF2552.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd4	Ave	+++++ 267745	+++++ 499005	29796 665687	77432	152473	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
N-Nitrosodimethylamine	DCBd4	Ave	3068 511009	7643 929539	42478 1274364	135702	279426	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pyridine	DCBd4	Ave	18512 1773156	28172 3110370	133394 3851883	478298	867654	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
N,N-dimethylformamide	DCBd4	Ave	+++++ 591351	+++++ 1159040	39713 1414685	151820	296296	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
2-Picoline	DCBd4	Ave	5553 796936	10997 1474755	66759 1933852	214083	398214	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomethylethylamine	DCBd4	Ave	+++++ 343773	+++++ 646904	31059 835589	101586	181542	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Methyl methanesulfonate	DCBd4	Ave	5302 528927	8929 1012809	44176 1353462	150229	288932	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodiethylamine	DCBd4	Ave	3550 334775	6407 649289	27168 846538	89544	168902	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Ethyl methanesulfonate	DCBd4	Ave	2253 345196	5697 656905	28602 874895	96214	185372	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzaldehyde	DCBd4	Ave	5261 766523	11511 1387103	75276 1640709	214953	412611	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Aniline	DCBd4	Ave	6831 1196142	16793 2285900	94107 2967686	336283	634052	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenol	DCBd4	Ave	6362 1080967	16197 2064460	85238 2675647	293566	575128	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethyl)ether	DCBd4	Ave	6446 734361	11925 1354720	61396 1798178	203024	391497	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chlorophenol	DCBd4	Ave	4195 566505	11009 1101532	44454 1434694	159802	313423	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dichlorobenzene	DCBd4	Ave	6060	10795	57197	192112	358009	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			664415	1248265	1659401			12.5	20.0	30.0		
1,4-Dichlorobenzene	DCBd4	Ave	5353 667752	12840 1280424	54889 1656995	197637	374364	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzyl alcohol	DCBd4	Ave	3050 462146	7459 873319	33593 1162198	124840	247352	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2-Dichlorobenzene	DCBd4	Ave	5005 644469	10457 1215287	56394 1575368	187634	346862	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	12020 1319548	24209 2397943	107946 3180650	373508	712305	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylphenol	DCBd4	Ave	5793 630255	11552 1220715	50746 1608728	176834	343508	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopyrrolidine	DCBd4	Ave	2803 395497	6080 750695	33489 977350	109781	218175	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acetophenone	DCBd4	Ave	7573 1049001	18961 1939757	93211 2561003	299102	589556	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-propylamine	DCBd4	Ave	4792 700674	12336 1284854	61578 1690415	190344	382193	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosomorpholine	DCBd4	Ave	4261 560154	7564 1075328	47467 1395542	158124	304591	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Toluidine	DCBd4	Ave	8860 1092335	18897 2109313	93691 2650822	314959	606252	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,4-Methylphenol	DCBd4	Ave	4412 727302	10181 1386451	61168 1789595	206538	400364	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloroethane	DCBd4	Ave	3248 317540	5956 588612	26646 772860	92494	172883	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Nitrobenzene	NPT	Ave	7400 986059	19369 1820281	84359 2376513	277696	530798	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosopiperidine	NPT	Ave	2475 313819	6069 592707	29253 803495	92377	180676	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isophorone	NPT	Ave	14387 1675663	29770 3168875	144051 4160998	486555	914653	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitrophenol	NPT	Ave	2259 290537	4321 565986	24216 753322	82690	155843	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dimethylphenol	NPT	Ave	4768 730658	11488 1399382	57106 1867225	206696	407306	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
o,o',o''-Triethylphosphorothioate	NPT	Ave	2496 307403	5528 572551	28154 768957	92582	169690	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-chloroethoxy)methane	NPT	Ave	6489 985510	18304 1802176	86193 2435531	288419	540479	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dichlorophenol	NPT	Ave	3690	9235	41565	148232	300446	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			539332	1036111	1385013			12.5	20.0	30.0		
1,2,4-Trichlorobenzene	NPT	Ave	5182 617439	11934 1211157	56729 1568526	176061	341308	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Naphthalene	NPT	Ave	15126 1619670	29023 3061193	144663 4066716	505943	936637	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
a-Terpineol	NPT	Ave	7446 765667	15097 1466891	66471 1929514	228111	434573	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chloroaniline	NPT	Ave	+++++ 701298	8776 1376632	54901 1759696	193784	369752	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dichlorophenol	NPT	Ave	4796 536048	8381 1021386	47336 1320561	154746	285222	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachloropropene	NPT	Ave	3934 517588	8932 987734	46245 1274212	144827	275552	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorobutadiene	NPT	Ave	3013 395173	8079 752686	33611 978841	116911	221026	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Quinoline	NPT	Ave	9060 1102931	15362 2114755	104396 2769990	330193	618550	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
N-Nitrosodi-n-butylamine	NPT	Ave	+++++ 746994	+++++ 1443620	72240 1462525	219304	411463	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Caprolactam	NPT	Ave	1008 159845	2965 303603	13100 382978	43929	89932	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-phenylenediamine	NPT	Ave	+++++ 540769	+++++ 1108645	+++++ 1421602	138852	289730	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
4-Chloro-3-methylphenol	NPT	Ave	6965 631019	10901 1200703	52377 1597780	186285	360230	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Safrole, Total	NPT	Ave	3553 460454	7721 868132	41248 1155701	132966	256680	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Methylnaphthalene	NPT	Ave	7386 999658	16638 1905955	88451 2465948	295620	554526	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Methylnaphthalene	NPT	Ave	10236 1032575	19297 1968151	92165 2558219	314302	581816	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Hexachlorocyclopentadiene	ANT	Ave	3944 525424	7347 1025764	40526 1335543	145049	291807	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,2,4,5-Tetrachlorobenzene	ANT	Ave	6621 669605	12110 1327820	63463 1691185	199939	385243	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isosafrole Peak 1	ANT	Ave	941 83130	1251 156796	7645 210952	26565	46267	0.0200 2.00	0.0400 3.20	0.200 4.80	0.600	1.20
2,4,6-Trichlorophenol	ANT	Ave	2766 416611	6227 782564	32379 1043535	117055	229028	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4,5-Trichlorophenol	ANT	Ave	2615	7085	39822	137130	256749	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			468598	860016	1127120			12.5	20.0	30.0		
Isosafrole Peak 2	ANT	Ave	5043 477862	8380 890163	42193 1159665	143363	260930	0.105 10.5	0.210 16.8	1.05 25.2	3.15	6.30
1,1'-Biphenyl	ANT	Ave	11040 1363875	24046 2587338	122644 3346793	413610	755975	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Chloronaphthalene	ANT	Ave	8720 1204048	19163 1925370	107870 2784888	356527	652593	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Chloronaphthalene	ANT	Ave	11993 996500	22286 2247631	105047 2719184	317570	595947	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diphenyl ether	ANT	Ave	8373 819052	13952 1513913	80146 1955818	252152	467357	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Nitroaniline	ANT	Ave	2746 331585	4164 645828	27349 865970	102523	180565	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Naphthoquinone	ANT	Ave	3393 433512	7075 803970	38861 1026748	137615	243936	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,4-Dinitrobenzene	ANT	Ave	+++++ 170668	2871 318608	14681 440969	47963	91941	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethyl phthalate	ANT	Ave	13241 1319799	23492 2401768	122514 3263478	403683	719523	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3-Dinitrobenzene	ANT	Ave	1137 183663	2809 352942	16959 459617	56668	104219	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,6-Dinitrotoluene	ANT	Ave	2609 290375	5070 512547	26221 701496	86758	159536	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthylene	ANT	Ave	15551 1759875	32460 3332556	160936 4386602	529333	963213	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Nitroaniline	ANT	Ave	+++++ 302701	3861 550786	24094 746577	80645	155207	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Acenaphthene	ANT	Ave	10373 1128477	22349 2096282	101007 2795732	342302	641491	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrophenol	ANT	Ave	+++++ 383667	+++++ 749213	54431 1012370	165949	236010	+++++ 25.0	+++++ 40.0	5.00 60.0	11.3	17.5
Pentachlorobenzene	ANT	Ave	5097 552403	10984 1044055	55950 1384176	168724	315857	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitrophenol	ANT	Ave	+++++ 500760	18435 832035	59865 1190740	127252	248551	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0
Dibenzofuran	ANT	Ave	14724 1554978	31266 2901268	145769 3899612	472330	864466	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2,4-Dinitrotoluene	ANT	Ave	3000 399522	7774 730969	34734 968107	123718	223204	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1-Naphthylamine	ANT	Ave	7599	19892	93041	315289	570181	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1070410	1983079	2706916			12.5	20.0	30.0		
2,3,4,6-Tetrachlorophenol	ANT	Ave	3577 384068	6365 706747	32906 930357	105391	206972	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Naphthylamine	ANT	Ave	8084 1086158	21619 1965566	103403 2739088	328150	591426	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Diethyl phthalate	ANT	Ave	12237 1276711	27815 2386011	124287 3191270	401975	703074	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluorene	ANT	Ave	10629 1204701	21947 2239404	111367 3065336	374075	696306	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Thionazin	ANT	Ave	+++++ 246389	5523 441753	20096 608359	73592	130474	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Chlorophenyl phenyl ether	ANT	Ave	6879 617976	13516 1168015	55193 1521434	189956	358630	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
5-Nitro-o-toluidine	ANT	Ave	3586 344592	4944 645792	29248 844861	104751	191389	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroaniline	ANT	Ave	+++++ 277664	4564 501254	22669 692425	76988	149864	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,6-Dinitro-2-methylphenol	PHN	Ave	+++++ 477480	21173 921137	61487 1271447	132807	270284	+++++ 25.0	1.50 40.0	3.75 60.0	7.50	15.0
N-Nitrosodiphenylamine	PHN	Ave	7334 848470	14102 1552080	74855 2111556	262773	473917	0.106 10.6	0.213 17.0	1.06 25.5	3.19	6.38
1,2-Diphenylhydrazine	PHN	Ave	19321 1876793	39717 3372456	173660 4607977	549772	1023251	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Sulfotepp	PHN	Ave	3451 324954	7036 568332	29230 790728	96899	170638	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
cis-Diallate	PHN	Ave	+++++ 452211	+++++ 860005	50566 1132232	141676	254424	+++++ 9.25	+++++ 14.8	0.925 22.2	2.78	5.55
Phorate	PHN	Ave	13218 1702188	29838 3125321	151056 4203214	492626	893497	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
1,3,5-Trinitrobenzene	PHN	Ave	+++++ 132192	2154 232539	9498 324999	36555	63693	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenacetin	PHN	Ave	+++++ 767464	+++++ 1337992	60472 1879580	215574	405821	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
4-Bromophenyl phenyl ether	PHN	Ave	2710 376925	8286 691866	34690 930440	117589	218245	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
trans-Diallate	PHN	Ave	+++++ 183084	+++++ 301057	17548 397205	49923	92493	+++++ 3.25	+++++ 5.20	0.325 7.80	0.975	1.95
Hexachlorobenzene	PHN	Ave	3924 429099	9539 806099	43855 1074081	134790	255918	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dimethoate	PHN	Ave	5690	10447	55588	190026	343214	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			658693	1139182	1592992			12.5	20.0	30.0		
Atrazine	PHN	Ave	4147 366870	7636 649680	33706 796970	113262	204045	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachlorophenol	PHN	Ave	+++++ 576097	22418 1089548	47250 1523354	167498	307942	+++++ 25.0	1.25 40.0	2.50 60.0	7.50	15.0
4-Aminobiphenyl	PHN	Ave	13821 1248616	23907 2410809	119010 3285222	398031	737284	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pentachloronitrobenzene	PHN	Ave	1678 220512	4714 405448	23654 563024	67011	127142	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Pronamide	PHN	Ave	5465 629426	11365 1160537	57747 1622502	194162	355750	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Phenanthrene	PHN	Ave	19058 1773387	38307 3263820	167118 4348787	548354	1015318	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dinoseb	PHN	Ave	+++++ 353971	+++++ 660835	25127 931314	96935	201940	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Disulfoton	PHN	Ave	9247 995532	18043 1791094	96186 2437935	309470	542356	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Anthracene	PHN	Ave	16705 1792565	34116 3346448	170712 4537248	557040	1000810	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Carbazole	PHN	Ave	14677 1691123	28880 2936824	151262 4142790	498947	914121	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Methyl parathion	PHN	Ave	3764 489410	7324 904385	44421 1221193	144074	261626	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-butyl phthalate	PHN	Ave	18048 1947411	34767 3527135	170329 4937842	566448	1051286	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Parathion	PHN	Ave	1591 300863	4403 521302	24203 733151	82994	159989	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4-Nitroquinoline-1-oxide	PHN	Ave	+++++ 171769	+++++ 327442	11831 473081	41295	81819	+++++ 12.5	+++++ 20.0	1.25 30.0	3.75	7.50
Octachlorostyrene	PHN	Ave	1752 174616	2262 309280	17681 425505	56405	94887	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Isodrin	PHN	Ave	+++++ 247840	6648 464865	28574 608661	74964	137571	+++++ 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Fluoranthene	PHN	Ave	18249 2103894	36192 3688303	188522 5154820	631104	1158877	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzidine	PYR10	Ave	+++++ 3965667	51417 6782636	312901 8476034	1136629	2155446	+++++ 37.5	0.750 60.0	3.75 90.0	11.3	22.5
Pyrene	PYR10	Ave	22394 2189260	41497 3721681	208428 5295846	670840	1216456	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
p-Dimethylamino azobenzene	PYR10	Ave	3069	4124	23944	85665	165367	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			307237	534813	750882			12.5	20.0	30.0		
Chlorobenzilate	PYR10	Ave	5368 608696	9833 1048756	56971 1512757	181108	336575	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dimethylbenzidine	PYR10	Ave	8275 1135135	18032 1872229	87430 2603716	331598	599197	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Butyl benzyl phthalate	PYR10	Ave	8260 829986	14753 1391500	65844 2017007	238649	448371	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Acetylaminofluorene	PYR10	Ave	+++++ 692033	+++++ 1258086	+++++ 1794859	180030	359304	+++++ 12.5	+++++ 20.0	+++++ 30.0	3.75	7.50
Benzo[a]anthracene	PYR10	Ave	18004 1733513	30175 3132239	151759 4410443	519801	998789	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3,3'-Dichlorobenzidine	PYR10	Ave	5673 676902	10916 1147433	57135 1643939	191731	368914	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
4,4'-Methylene bis(2-chloroaniline)	PYR10	Ave	3646 357909	5460 618350	28820 853064	99967	193466	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Chrysene	PYR10	Ave	16690 1677086	34067 2809456	158326 4022554	518182	937720	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Bis(2-ethylhexyl) phthalate	PYR10	Ave	9516 1133837	19430 1954646	88080 2845352	322622	610593	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
6-Methylchrysene	PYR10	Ave	11046 1047848	21108 1837084	104408 2656089	314153	576220	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Di-n-octyl phthalate	PRY	Ave	14732 1793603	30050 3094510	132822 4469717	493662	934741	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[b]fluoranthene	PRY	Ave	12297 1659118	28927 2740545	145635 3982953	487701	895621	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
7,12-Dimethylbenz(a)anthracene	PRY	Ave	4465 662484	10467 1151463	55861 1642337	192308	369098	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[k]fluoranthene	PRY	Ave	16467 1573020	29398 2804979	150711 3788221	481575	910584	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Benzo[a]pyrene	PRY	Ave	14308 1511586	27308 2595311	133126 3635938	448774	861099	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
3-Methylcholanthrene	PRY	Ave	5600 696910	13056 1195900	56713 1706681	206346	378319	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,h]acridine	PRY	Ave	9796 1125496	23509 1950808	107644 2809067	334484	637671	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz[a,j]acridine	PRY	Ave	10675 1187479	19752 2003999	100408 2845106	354304	687777	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Indeno[1,2,3-cd]pyrene	PRY	Ave	12534 1385690	26735 2342745	117430 3357034	424163	797314	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
Dibenz(a,h)anthracene	PRY	Ave	12018	21814	117897	420197	753211	0.125	0.250	1.25	3.75	7.50

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2 Analy Batch No.: 663002

SDG No.:

Instrument ID: HP23264 GC Column: DB-5MS 30m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/25/2025 23:02 Calibration End Date: 06/26/2025 01:38 Calibration ID: 74121

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1322268	2227064	3133298			12.5	20.0	30.0		
Benzo[g,h,i]perylene	PRY	Ave	12396 1443910	27435 2376909	128097 3322868	423921	812113	0.125 12.5	0.250 20.0	1.25 30.0	3.75	7.50
2-Fluorophenol (Surr)	DCBd4	Ave	7989 1219731	18054 2306174	94518 3053156	334932	642452	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Phenol-d5 (Surr)	DCBd4	Ave	12314 1862734	22521 3583368	141858 4627479	520296	979709	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
Nitrobenzene-d5 (Surr)	NPT	Ave	15195 1928826	32487 3608999	151774 4764977	547671	1045063	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2-Fluorobiphenyl (Surr)	ANT	Ave	21472 2659621	48696 5170755	244757 6431191	790653	1517727	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	3238 457370	9134 831632	37809 1146506	135382	249165	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0
p-Terphenyl-d14 (Surr)	PYR10	Ave	24292 2430459	45328 4141059	226110 5857441	748028	1377103	0.250 25.0	0.500 40.0	2.50 60.0	7.50	15.0

Curve Type Legend:
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D
Lims ID: ICIS L6
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 25-Jun-2025 23:02:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICIS L6
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:29:35 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: N5QU Date: 26-Jun-2025 01:59:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.426	1.426	0.000	98	267745	12.5	11.4	
2 N-Nitrosodimethylamine	74	1.642	1.642	0.000	96	511009	12.5	13.0	
3 Pyridine	79	1.677	1.677	0.000	93	1773156	25.0	25.2	
4 Dimethylformamide	73	1.981	1.981	0.000	97	591351	12.5	13.0	
5 2-Picoline	93	2.250	2.250	0.000	93	796936	12.5	13.1	
6 N-Nitrosomethylethylamine	88	2.331	2.331	0.000	96	343773	12.5	12.0	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	528927	12.5	11.8	
$ 9 2-Fluorophenol	112	2.752	2.752	0.000	96	1219731	25.0	25.9	
11 N-Nitrosodiethylamine	102	2.950	2.950	0.000	92	334775	12.5	11.8	
12 Ethyl methanesulfonate	109	3.260	3.260	0.000	94	345196	12.5	12.6	
13 Benzaldehyde	77	3.575	3.575	0.000	89	766523	12.5	12.7	
$ 15 Phenol-d5	99	3.680	3.680	0.000	95	1862734	25.0	26.4	
17 Aniline	93	3.686	3.686	0.000	94	1196142	12.5	13.1	
16 Phenol	94	3.692	3.692	0.000	90	1080967	12.5	13.0	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	734361	12.5	12.3	
19 2-Chlorophenol	128	3.803	3.803	0.000	89	566505	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.943	3.943	0.000	94	664415	12.5	12.1	
* 22 1,4-Dichlorobenzene-d4	152	4.001	4.001	0.000	94	192866	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	667752	12.5	12.0	
26 Benzyl alcohol	108	4.153	4.153	0.000	86	462146	12.5	12.9	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	92	644469	12.5	12.3	
30 2,2'-oxybis[1-chloropropane]	45	4.282	4.282	0.000	82	1319548	12.5	12.1	
29 2-Methylphenol	108	4.282	4.282	0.000	84	630255	12.5	11.9	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	87	395497	12.5	12.6	
32 Acetophenone	105	4.404	4.404	0.000	90	1049001	12.5	12.2	
33 N-Nitrosodi-n-propylamine	70	4.410	4.410	0.000	87	700674	12.5	12.5	
35 N-Nitrosomorpholine	56	4.428	4.428	0.000	84	560154	12.5	12.6	
34 4-Methylphenol	108	4.433	4.433	0.000	82	727302	12.5	12.9	
36 2-Toluidine	106	4.439	4.439	0.000	82	1092335	12.5	12.1	
37 Hexachloroethane	117	4.486	4.486	0.000	93	317540	12.5	11.7	
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	89	1928826	25.0	25.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.568	4.568	0.000	86	986059	12.5	12.7	
41 N-Nitrosopiperidine	114	4.714	4.714	0.000	81	313819	12.5	12.2	
42 Isophorone	82	4.801	4.801	0.000	98	1675663	12.5	12.5	
43 2-Nitrophenol	139	4.871	4.871	0.000	86	290537	12.5	12.9	
44 2,4-Dimethylphenol	107	4.941	4.941	0.000	97	730658	12.5	13.2	
46 o,o',o''-Triethylphosphorothioat	198	5.000	5.000	0.000	93	307403	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	985510	12.5	12.8	
49 2,4-Dichlorophenol	162	5.117	5.117	0.000	97	539332	12.5	13.0	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	617439	12.5	12.2	
* 52 Naphthalene-d8	136	5.233	5.233	0.000	98	625703	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	98	1619670	12.5	12.1	
55 Alpha-Terpineol	59	5.280	5.280	0.000	91	765667	12.5	12.0	
56 4-Chloroaniline	127	5.327	5.327	0.000	87	701298	12.5	13.3	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	536048	12.5	12.6	
58 Hexachloropropene	213	5.338	5.338	0.000	97	517588	12.5	12.8	
59 Hexachlorobutadiene	225	5.379	5.379	0.000	95	395173	12.5	12.4	
61 Quinoline	129	5.578	5.578	0.000	92	1102931	12.5	12.6	
63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	90	746994	12.5	12.6	
62 Caprolactam	113	5.665	5.665	0.000	74	159845	12.5	13.0	
64 p-Phenylene diamine	108	5.677	5.677	0.000	93	540769	12.5	12.5	
65 4-Chloro-3-methylphenol	107	5.823	5.823	0.000	92	631019	12.5	12.0	
66 Safrole, Total	162	5.852	5.852	0.000	81	460454	12.5	12.6	a
67 2-Methylnaphthalene	142	5.922	5.922	0.000	90	999658	12.5	12.7	a
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1032575	12.5	12.0	a
71 Hexachlorocyclopentadiene	237	6.074	6.074	0.000	95	525424	12.5	13.4	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	96	669605	12.5	12.1	
72 Isosafrole Peak 1	162	6.133	6.133	0.000	84	83130	2.00	1.95	
79 2,4,6-Trichlorophenol	196	6.208	6.208	0.000	95	416611	12.5	13.6	
80 2,4,5-Trichlorophenol	196	6.249	6.249	0.000	94	468598	12.5	13.7	
$ 81 2-Fluorobiphenyl (Surr)	172	6.278	6.278	0.000	99	2659621	25.0	25.1	
82 Isosafrole Peak 2	162	6.349	6.349	0.000	87	477862	10.5	10.4	
83 1,1'-Biphenyl	154	6.372	6.372	0.000	96	1363875	12.5	12.7	
84 2-Chloronaphthalene	162	6.384	6.384	0.000	96	1204048	12.5	13.5	M
85 1-Chloronaphthalene	162	6.401	6.401	0.000	98	996500	12.5	10.9	Ma
86 Phenyl ether	170	6.477	6.477	0.000	91	819052	12.5	12.2	
87 2-Nitroaniline	138	6.500	6.500	0.000	74	331585	12.5	13.1	
S 24 Dinitrotoluene	165				0		25.0	25.4	
88 1,4-Naphthoquinone	158	6.565	6.565	0.000	75	433512	12.5	12.8	
89 1,4-Dinitrobenzene	168	6.641	6.641	0.000	84	170668	12.5	12.8	
90 Dimethyl phthalate	163	6.687	6.687	0.000	96	1319799	12.5	12.3	
91 1,3-Dinitrobenzene	168	6.711	6.711	0.000	80	183663	12.5	13.1	
92 2,6-Dinitrotoluene	165	6.740	6.740	0.000	86	290375	12.5	12.7	
93 Acenaphthylene	152	6.775	6.775	0.000	99	1759875	12.5	12.5	
95 3-Nitroaniline	138	6.897	6.897	0.000	86	302701	12.5	13.8	
* 96 Acenaphthene-d10	164	6.909	6.909	0.000	95	372785	5.00	5.00	
97 Acenaphthene	153	6.938	6.938	0.000	98	1128477	12.5	12.3	
98 2,4-Dinitrophenol	184	6.997	6.997	0.000	78	383667	25.0	25.8	
99 Pentachlorobenzene	250	7.067	7.067	0.000	97	552403	12.5	12.0	
100 4-Nitrophenol	109	7.096	7.096	0.000	88	500760	25.0	28.5	
101 Dibenzofuran	168	7.108	7.108	0.000	97	1554978	12.5	12.2	
102 2,4-Dinitrotoluene	165	7.119	7.119	0.000	87	399522	12.5	12.7	
104 1-Naphthylamine	143	7.189	7.189	0.000	97	1070410	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 2,3,4,6-Tetrachlorophenol	232	7.236	7.236	0.000	74	384068	12.5	12.9	
106 2-Naphthylamine	143	7.265	7.265	0.000	95	1086158	12.5	12.6	
107 Diethyl phthalate	149	7.359	7.359	0.000	96	1276711	12.5	11.9	
108 Fluorene	166	7.429	7.429	0.000	92	1204701	12.5	12.3	
109 Thionazin	107	7.435	7.435	0.000	73	246389	12.5	12.5	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	617976	12.5	11.7	
111 N-Nitro-o-toluidine	152	7.464	7.464	0.000	89	344592	12.5	12.6	
112 4-Nitroaniline	138	7.475	7.475	0.000	77	277664	12.5	13.1	
113 4,6-Dinitro-2-methylphenol	198	7.505	7.505	0.000	71	477480	25.0	25.9	
114 N-Nitrosodiphenylamine	169	7.563	7.563	0.000	67	848470	10.6	11.0	
115 1,2-Diphenylhydrazine	77	7.592	7.592	0.000	98	1876793	12.5	12.3	
$ 116 2,4,6-Tribromophenol	330	7.662	7.662	0.000	92	457370	25.0	25.8	
117 Sulfotepp	97	7.732	7.732	0.000	77	324954	12.5	12.4	
120 cis-Diallate	86	7.838	7.838	0.000	98	452211	9.25	8.81	
119 Phorate	75	7.849	7.849	0.000	93	1702188	12.5	13.2	
118 1,3,5-Trinitrobenzene	213	7.855	7.855	0.000	79	132192	12.5	13.8	
121 Phenacetin	108	7.878	7.878	0.000	89	767464	12.5	13.2	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	71	376925	12.5	12.6	
123 trans-Diallate	86	7.919	7.919	0.000	96	183084	3.25	3.47	
124 Hexachlorobenzene	284	7.948	7.948	0.000	93	429099	12.5	12.0	
125 Dimethoate	87	8.013	8.013	0.000	96	658693	12.5	13.4	
126 Atrazine	200	8.089	8.089	0.000	86	366870	12.5	12.3	
127 Pentachlorophenol	266	8.153	8.153	0.000	91	576097	25.0	26.1	
129 4-Aminobiphenyl	169	8.153	8.153	0.000	92	1248616	12.5	11.9	
128 Pentachloronitrobenzene	237	8.159	8.159	0.000	81	220512	12.5	12.3	
130 Pronamide	173	8.229	8.229	0.000	89	629426	12.5	12.6	
* 131 Phenanthrene-d10	188	8.316	8.316	0.000	98	667007	5.00	5.00	
132 Phenanthrene	178	8.334	8.334	0.000	98	1773387	12.5	12.0	
133 Dinoseb	211	8.340	8.340	0.000	92	353971	12.5	12.9	
134 Disulfoton	88	8.346	8.346	0.000	97	995532	12.5	12.6	
135 Anthracene	178	8.386	8.386	0.000	99	1792565	12.5	12.4	
136 Carbazole	167	8.556	8.556	0.000	96	1691123	12.5	13.1	
137 Methyl parathion	109	8.696	8.696	0.000	89	489410	12.5	13.3	
138 Di-n-butyl phthalate	149	8.912	8.912	0.000	99	1947411	12.5	12.8	
139 Ethyl Parathion	109	9.075	9.075	0.000	80	300863	12.5	14.3	
140 4-Nitroquinoline-1-oxide	190	9.087	9.087	0.000	88	171769	12.5	13.5	
142 Octachlorostyrene	308	9.286	9.286	0.000	91	174616	12.5	12.8	
143 Isodrin	193	9.315	9.315	0.000	92	247840	12.5	11.5	
144 Fluoranthene	202	9.461	9.461	0.000	98	2103894	12.5	13.0	
145 Benzidine	184	9.618	9.618	0.000	99	3965667	37.5	41.7	
* 146 Pyrene-d10 (IS)	212	9.653	9.653	0.000	98	725580	5.00	5.00	
S 68 Diallate	86				0		12.5	12.3	
147 Pyrene	202	9.671	9.671	0.000	97	2189260	12.5	12.3	
$ 148 p-Terphenyl-d14	244	9.846	9.846	0.000	99	2430459	25.0	24.8	
149 p-Dimethylamino azobenzene	225	9.986	9.986	0.000	94	307237	12.5	13.3	
150 Chlorobenzilate	139	10.039	10.039	0.000	87	608696	12.5	12.8	
152 3,3'-Dimethylbenzidine	212	10.313	10.313	0.000	99	1135135	12.5	13.8	
153 Butyl benzyl phthalate	149	10.342	10.342	0.000	93	829986	12.5	12.9	
155 2-Acetylaminofluorene	181	10.570	10.570	0.000	93	692033	12.5	12.6	
156 Benzo[a]anthracene	228	10.874	10.874	0.000	99	1733513	12.5	12.4	
157 3,3'-Dichlorobenzidine	252	10.874	10.874	0.000	76	676902	12.5	13.3	
158 4,4'-Methylene bis(2-chloroanil	231	10.885	10.885	0.000	95	357909	12.5	13.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1677086	12.5	12.3	
160 Bis(2-ethylhexyl) phthalate	149	10.985	10.985	0.000	95	1133837	12.5	13.2	
S 94 Isosafrole	162				0		12.5	12.3	
161 6-Methylchrysene	242	11.434	11.434	0.000	99	1047848	12.5	12.1	
162 Di-n-octyl phthalate	149	11.773	11.773	0.000	99	1793603	12.5	13.5	
163 7,12-Dimethylbenz(a)anthracene	256	12.158	12.158	0.000	75	662484	12.5	13.5	
164 Benzo[b]fluoranthene	252	12.158	12.158	0.000	96	1659118	12.5	13.3	
165 Benzo[k]fluoranthene	252	12.193	12.193	0.000	99	1573020	12.5	12.2	
166 Benzo[a]pyrene	252	12.573	12.573	0.000	78	1511586	12.5	12.7	
* 167 Perylene-d12	264	12.649	12.649	0.000	98	513065	5.00	5.00	
168 3-Methylcholanthrene	268	13.069	13.069	0.000	90	696910	12.5	13.0	
169 Dibenz[a,h]acridine	279	13.817	13.817	0.000	91	1125496	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.887	13.887	0.000	96	1187479	12.5	12.9	
171 Indeno[1,2,3-cd]pyrene	276	14.109	14.109	0.000	99	1385690	12.5	12.7	
172 Dibenz(a,h)anthracene	278	14.155	14.155	0.000	94	1322268	12.5	12.8	
173 Benzo[g,h,i]perylene	276	14.465	14.465	0.000	98	1443910	12.5	12.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_6_00068 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:29:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D

Injection Date: 25-Jun-2025 23:02:30 Instrument ID: HP23264 Operator ID: IR93211

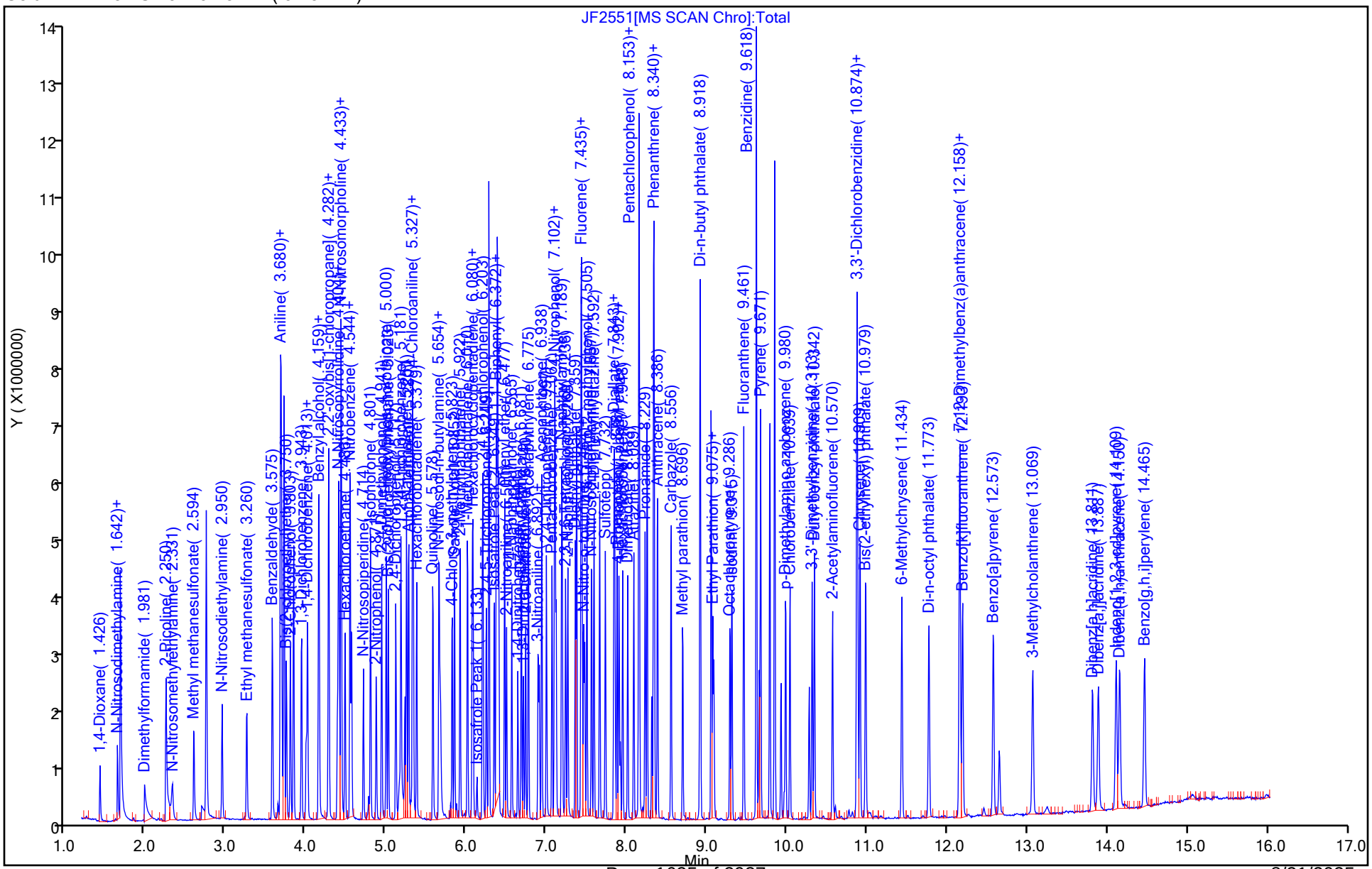
Lims ID: ICIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

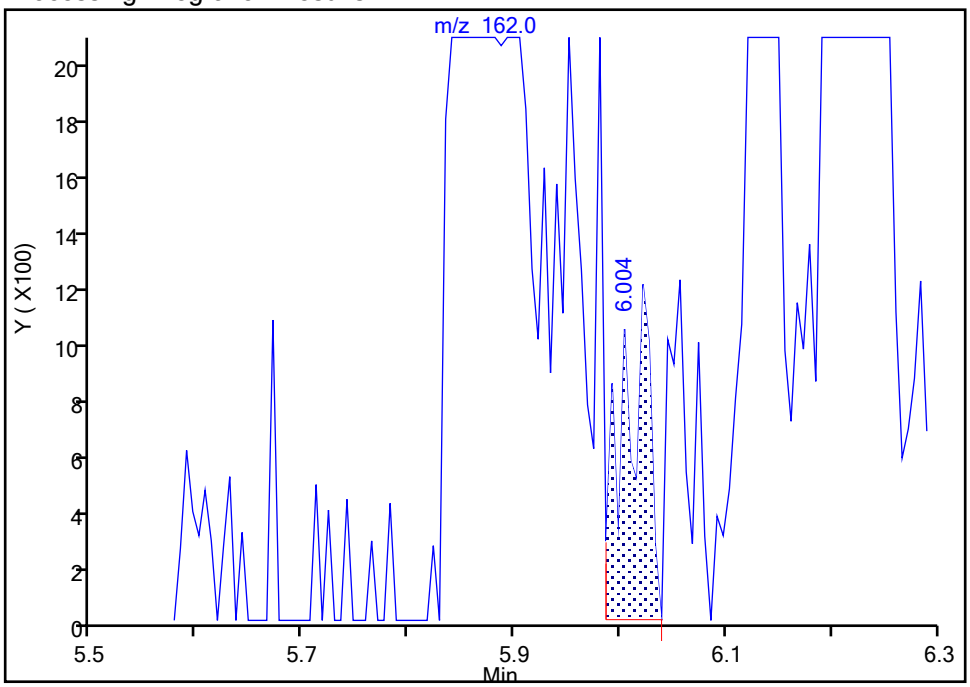
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2551.D				
Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

66 Safrole, Total, CAS: 94-59-7

Signal: 1

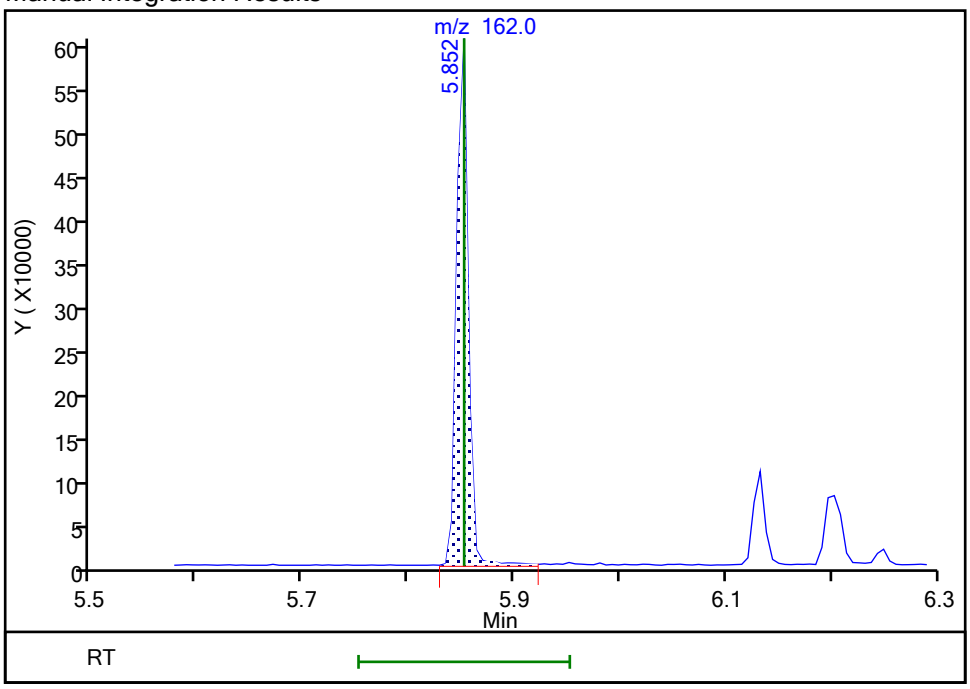
Processing Integration Results

RT: 6.00
Area: 2029
Amount: 9.368527
Amount Units: ug/ml



Manual Integration Results

RT: 5.85
Area: 460454
Amount: 12.639954
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:57:22 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

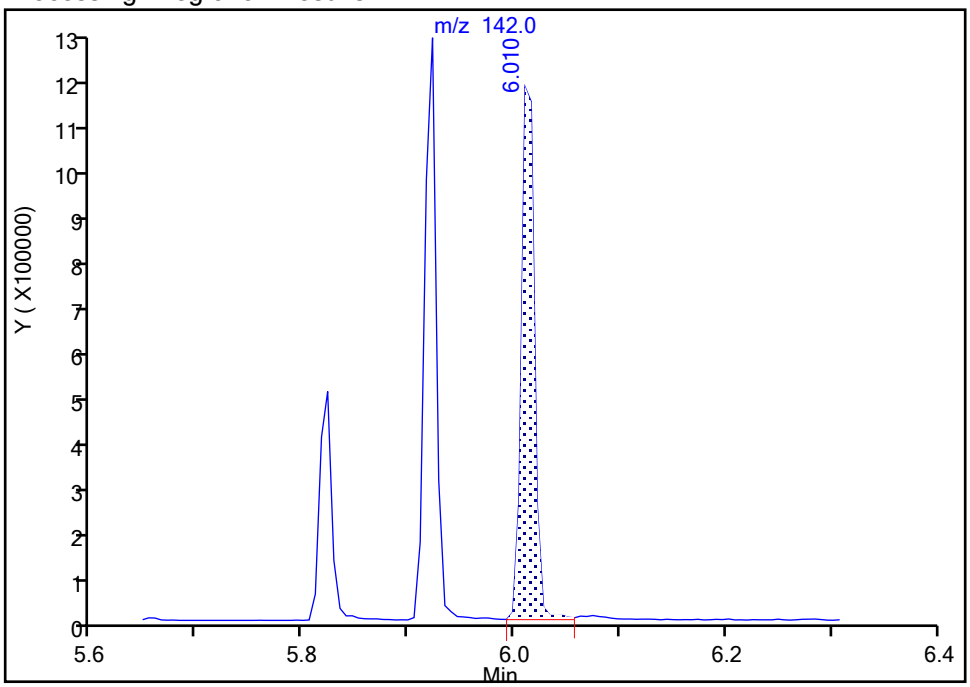
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Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

67 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

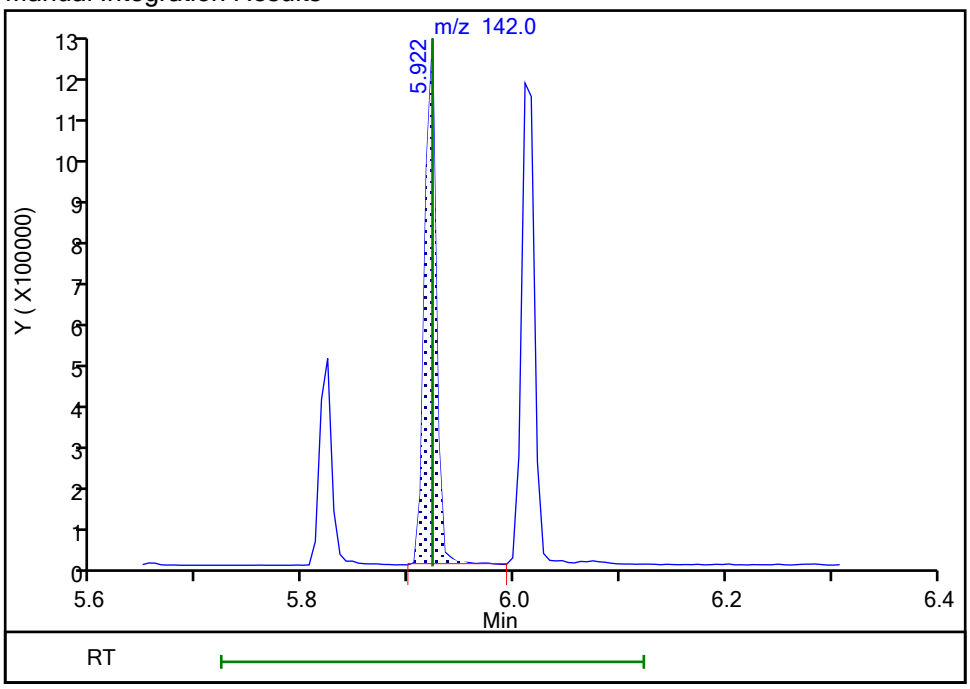
Processing Integration Results

RT: 6.01
Area: 1032575
Amount: 12.233084
Amount Units: ug/ml



Manual Integration Results

RT: 5.92
Area: 999658
Amount: 12.716601
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:57:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

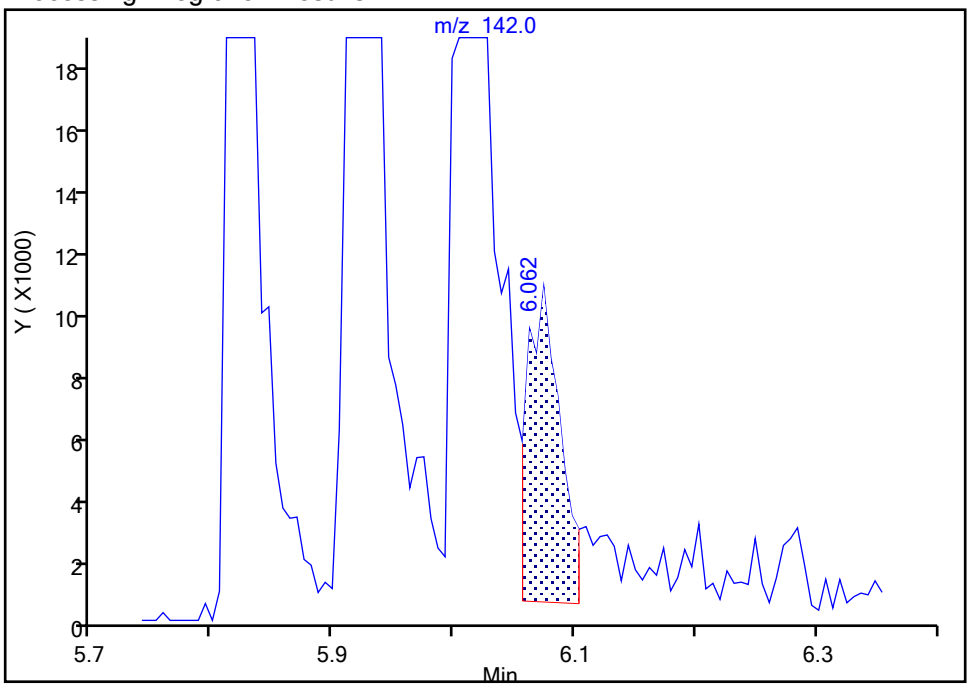
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Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

69 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

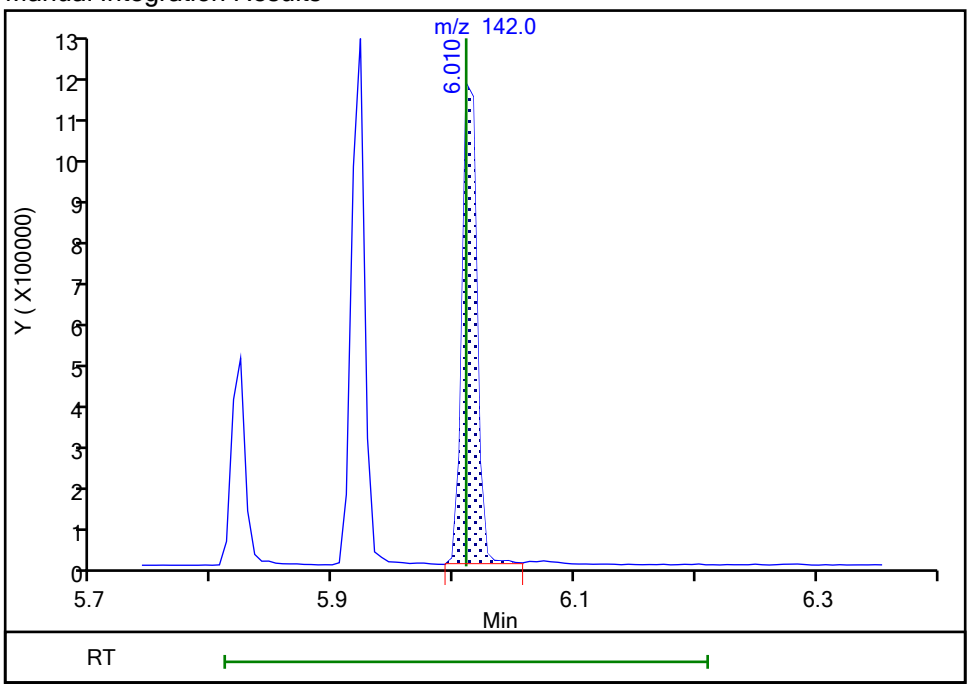
Processing Integration Results

RT: 6.06
Area: 18434
Amount: 13.854375
Amount Units: ug/ml



Manual Integration Results

RT: 6.01
Area: 1032575
Amount: 11.994581
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:57:48 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

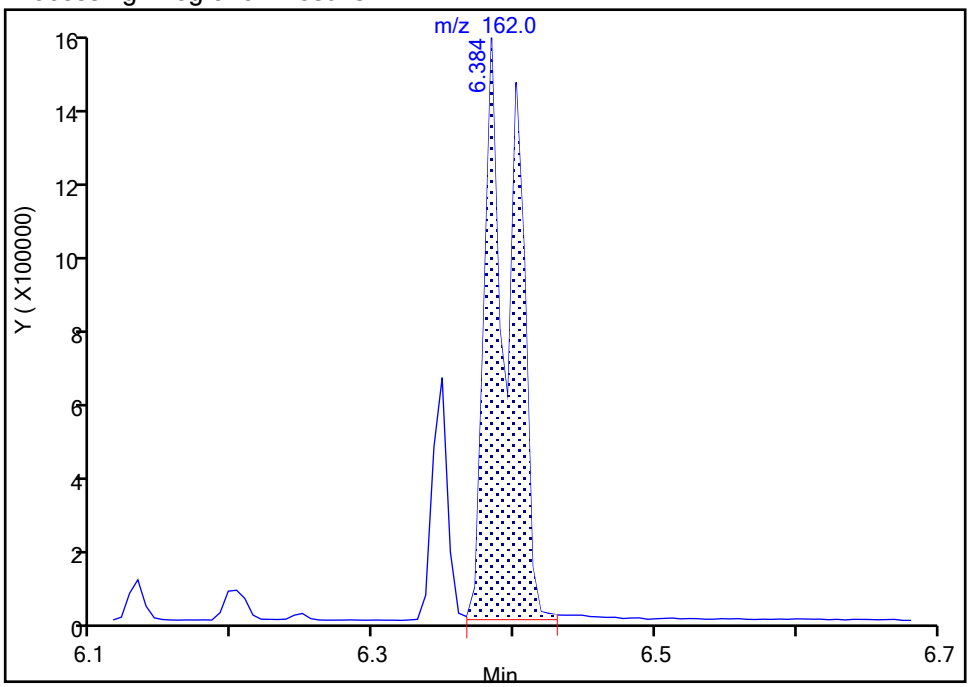
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Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

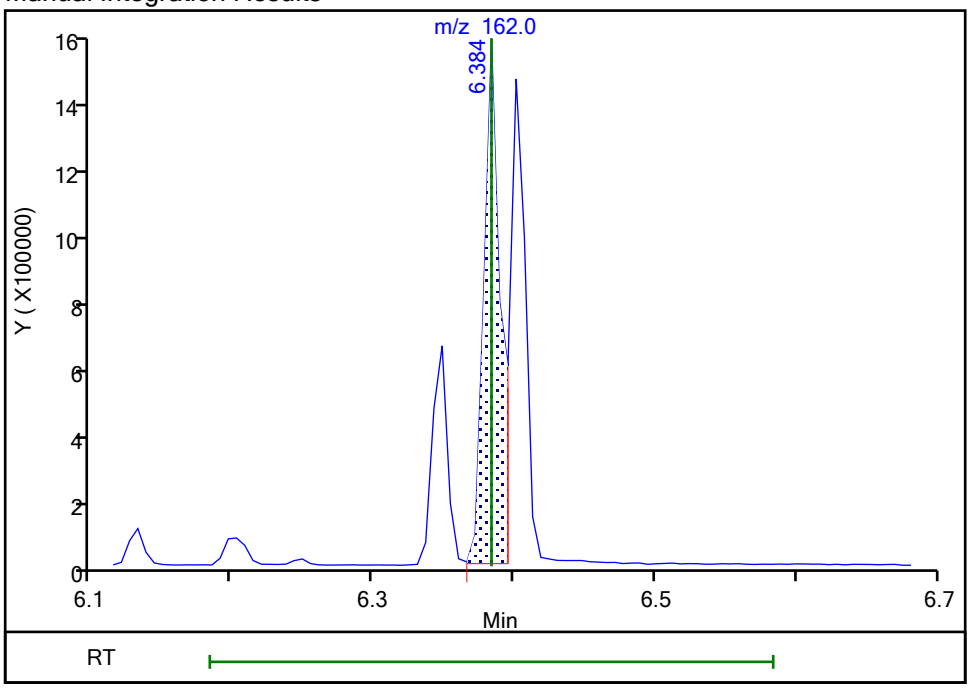
Processing Integration Results

RT: 6.38
Area: 2200550
Amount: 14.322132
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 1204048
Amount: 13.450136
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:58:02 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

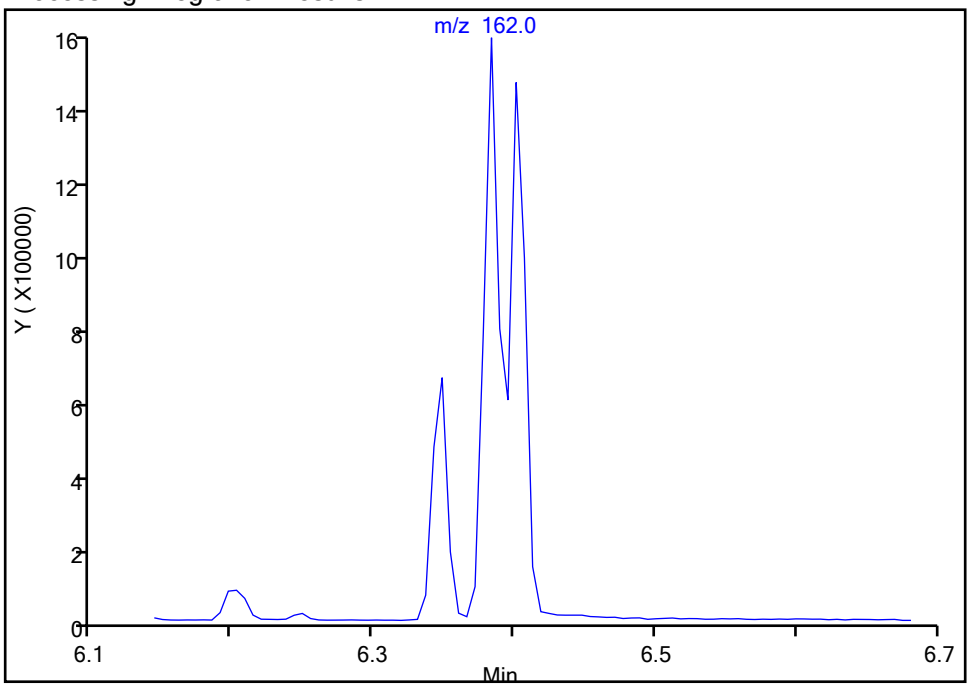
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Injection Date:	25-Jun-2025 23:02:30	Instrument ID:	HP23264		
Lims ID:	ICIS L6				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

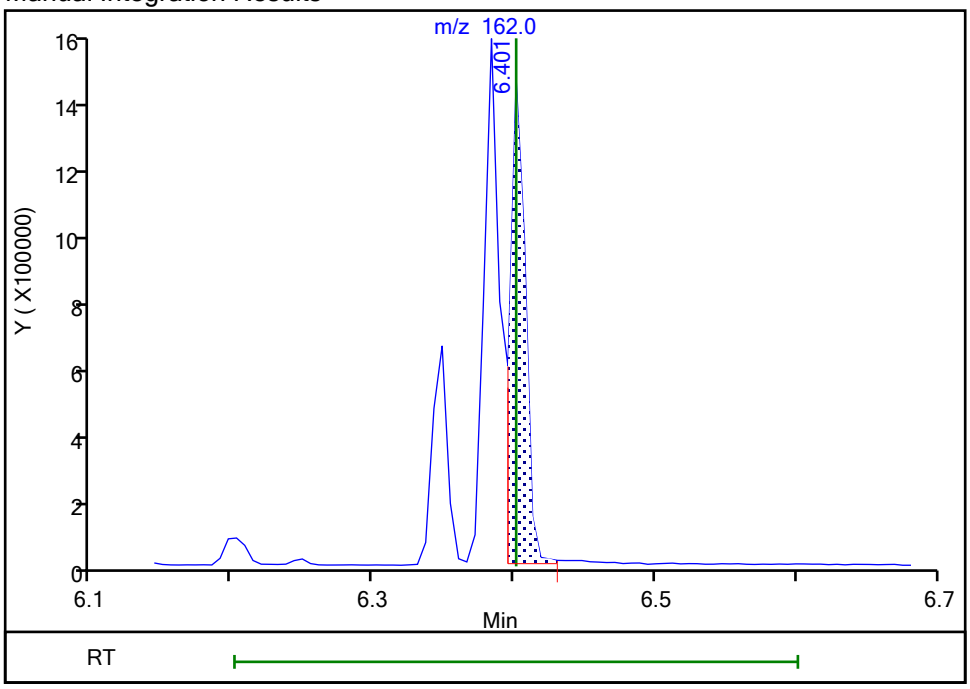
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 996500
Amount: 10.886520
Amount Units: ug/ml



Reviewer: N5QU, 26-Jun-2025 01:58:09 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2552.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 25-Jun-2025 23:30:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L8
Misc. Info.: 410-0151575-003
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:30:01 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:40:39

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.426	1.426	0.000	98	665687	30.0	29.8	
	2 N-Nitrosodimethylamine	74	1.648	1.642	0.006	95	1274364	30.0	33.9	
	3 Pyridine	79	1.677	1.677	0.000	94	3851883	60.0	57.3	
	4 Dimethylformamide	73	1.969	1.981	-0.012	97	1414685	30.0	32.5	
	5 2-Picoline	93	2.244	2.250	-0.006	93	1933852	30.0	33.1	
	6 N-Nitrosomethylethylamine	88	2.331	2.331	0.000	96	835589	30.0	30.6	
	7 Methyl methanesulfonate	80	2.600	2.594	0.006	86	1353462	30.0	31.7	
$	9 2-Fluorophenol	112	2.758	2.752	0.006	96	3053156	60.0	67.8	
	11 N-Nitrosodiethylamine	102	2.956	2.950	0.006	92	846538	30.0	31.2	
	12 Ethyl methanesulfonate	109	3.260	3.260	0.000	94	874895	30.0	33.4	
	13 Benzaldehyde	77	3.575	3.575	0.000	89	1640709	30.0	28.5	
$	15 Phenol-d5	99	3.686	3.680	0.006	95	4627479	60.0	68.6	
	17 Aniline	93	3.692	3.686	0.006	87	2967686	30.0	34.1	
	16 Phenol	94	3.698	3.692	0.006	96	2675647	30.0	33.8	
	18 Bis(2-chloroethyl)ether	93	3.756	3.750	0.006	88	1798178	30.0	31.5	
	19 2-Chlorophenol	128	3.803	3.803	0.000	89	1434694	30.0	32.2	
	21 1,3-Dichlorobenzene	146	3.943	3.943	0.000	94	1659401	30.0	31.5	
*	22 1,4-Dichlorobenzene-d4	152	4.001	4.001	0.000	96	184315	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.019	4.013	0.006	88	1656995	30.0	31.0	
	26 Benzyl alcohol	108	4.159	4.153	0.006	88	1162198	30.0	33.9	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	1575368	30.0	31.5	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.282	-0.006	92	3180650	30.0	30.5	
	29 2-Methylphenol	108	4.287	4.282	0.005	94	1608728	30.0	31.8	
	31 N-Nitrosopyrrolidine	100	4.398	4.387	0.011	88	977350	30.0	32.5	
	32 Acetophenone	105	4.404	4.404	0.000	88	2561003	30.0	31.2	
	33 N-Nitrosodi-n-propylamine	70	4.422	4.410	0.012	86	1690415	30.0	31.5	
	35 N-Nitrosomorpholine	56	4.439	4.428	0.011	62	1395542	30.0	32.9	
	34 4-Methylphenol	108	4.439	4.433	0.006	82	1789595	30.0	33.2	
	36 2-Toluidine	106	4.439	4.439	0.000	80	2650822	30.0	30.8	
	37 Hexachloroethane	117	4.486	4.486	0.000	94	772860	30.0	29.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.550	4.544	0.006	88	4764977	60.0	65.0	
40 Nitrobenzene	77	4.568	4.568	0.000	87	2376513	30.0	31.2	
41 N-Nitrosopiperidine	114	4.720	4.714	0.006	80	803495	30.0	31.8	
42 Isophorone	82	4.807	4.801	0.006	98	4160998	30.0	31.6	
43 2-Nitrophenol	139	4.877	4.871	0.006	88	753322	30.0	34.0	
44 2,4-Dimethylphenol	107	4.941	4.941	0.000	98	1867225	30.0	34.3	
46 o,o',o''-Triethylphosphorothioat	198	5.000	5.000	0.000	92	768957	30.0	31.6	
47 Bis(2-chloroethoxy)methane	93	5.029	5.023	0.006	93	2435531	30.0	32.3	
49 2,4-Dichlorophenol	162	5.122	5.117	0.005	98	1385013	30.0	34.1	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	1568526	30.0	31.6	
* 52 Naphthalene-d8	136	5.233	5.233	0.000	98	614316	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	98	4066716	30.0	30.9	
55 Alpha-Terpineol	59	5.280	5.280	0.000	91	1929514	30.0	30.7	
56 4-Chloroaniline	127	5.327	5.327	0.000	90	1759696	30.0	34.1	
57 2,6-Dichlorophenol	162	5.333	5.327	0.006	92	1320561	30.0	31.7	
58 Hexachloropropene	213	5.338	5.338	0.000	98	1274212	30.0	32.0	
59 Hexachlorobutadiene	225	5.379	5.379	0.000	95	978841	30.0	31.2	
61 Quinoline	129	5.584	5.578	0.006	92	2769990	30.0	32.3	
63 N-Nitrosodi-n-butylamine	84	5.660	5.654	0.006	92	1462525	30.0	25.2	
62 Caprolactam	113	5.683	5.665	0.018	68	382978	30.0	31.8	
64 p-Phenylene diamine	108	5.683	5.677	0.006	88	1421602	30.0	33.4	
65 4-Chloro-3-methylphenol	107	5.823	5.823	0.000	92	1597780	30.0	31.0	
66 Safrole, Total	162	5.852	5.852	0.000	84	1155701	30.0	32.3	
67 2-Methylnaphthalene	142	5.922	5.922	0.000	90	2465948	30.0	32.0	
69 1-Methylnaphthalene	142	6.016	6.010	0.006	92	2558219	30.0	30.3	
71 Hexachlorocyclopentadiene	237	6.074	6.074	0.000	93	1335543	30.0	35.6	
70 1,2,4,5-Tetrachlorobenzene	216	6.086	6.080	0.006	95	1691185	30.0	32.0	
72 Isosafrole Peak 1	162	6.133	6.133	0.001	86	210952	4.80	5.17	
79 2,4,6-Trichlorophenol	196	6.208	6.208	0.000	96	1043535	30.0	35.5	
80 2,4,5-Trichlorophenol	196	6.249	6.249	0.000	92	1127120	30.0	34.4	
$ 81 2-Fluorobiphenyl (Surr)	172	6.284	6.278	0.006	99	6431191	60.0	63.6	e
82 Isosafrole Peak 2	162	6.349	6.349	0.000	87	1159665	25.2	26.4	
83 1,1'-Biphenyl	154	6.372	6.372	0.000	97	3346793	30.0	32.6	
84 2-Chloronaphthalene	162	6.384	6.384	0.000	97	2784888	30.0	32.5	
85 1-Chloronaphthalene	162	6.407	6.401	0.006	98	2719184	30.0	31.1	
86 Phenyl ether	170	6.477	6.477	0.000	89	1955818	30.0	30.6	
87 2-Nitroaniline	138	6.506	6.500	0.006	74	865970	30.0	35.7	
S 24 Dinitrotoluene	165				0		60.0	64.3	
88 1,4-Naphthoquinone	158	6.565	6.565	0.000	74	1026748	30.0	31.8	
89 1,4-Dinitrobenzene	168	6.646	6.641	0.006	85	440969	30.0	34.7	
90 Dimethyl phthalate	163	6.687	6.687	0.000	96	3263478	30.0	31.9	
91 1,3-Dinitrobenzene	168	6.716	6.711	0.005	80	459617	30.0	34.2	
92 2,6-Dinitrotoluene	165	6.740	6.740	0.000	84	701496	30.0	32.1	
93 Acenaphthylene	152	6.775	6.775	0.000	99	4386602	30.0	32.5	
95 3-Nitroaniline	138	6.897	6.897	0.000	86	746577	30.0	35.5	
* 96 Acenaphthene-d10	164	6.909	6.909	0.000	94	356297	5.00	5.00	
97 Acenaphthene	153	6.938	6.938	0.000	97	2795732	30.0	31.9	
98 2,4-Dinitrophenol	184	7.003	6.997	0.006	77	1012370	60.0	71.1	
99 Pentachlorobenzene	250	7.067	7.067	0.000	97	1384176	30.0	31.5	
100 4-Nitrophenol	109	7.102	7.096	0.006	65	1190740	60.0	70.8	
101 Dibenzofuran	168	7.108	7.108	0.000	90	3899612	30.0	31.9	
102 2,4-Dinitrotoluene	165	7.125	7.119	0.006	86	968107	30.0	32.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.189	7.189	0.000	98	2706916	30.0	34.2	
105 2,3,4,6-Tetrachlorophenol	232	7.242	7.236	0.006	74	930357	30.0	32.7	
106 2-Naphthylamine	143	7.265	7.265	0.000	95	2739088	30.0	33.2	
107 Diethyl phthalate	149	7.365	7.359	0.006	96	3191270	30.0	31.2	
108 Fluorene	166	7.429	7.429	0.000	92	3065336	30.0	32.8	
109 Thionazin	107	7.441	7.435	0.005	75	608359	30.0	32.2	
110 4-Chlorophenyl phenyl ether	204	7.446	7.440	0.006	95	1521434	30.0	30.3	
111 N-Nitro-o-toluidine	152	7.470	7.464	0.006	89	844861	30.0	32.4	
112 4-Nitroaniline	138	7.487	7.475	0.012	79	692425	30.0	34.2	
113 4,6-Dinitro-2-methylphenol	198	7.511	7.505	0.006	72	1271447	60.0	70.8	
114 N-Nitrosodiphenylamine	169	7.563	7.563	0.000	65	2111556	25.5	28.0	
115 1,2-Diphenylhydrazine	77	7.592	7.592	0.000	98	4607977	30.0	31.1	
$ 116 2,4,6-Tribromophenol	330	7.668	7.662	0.006	92	1146506	60.0	67.6	
117 Sulfotepp	97	7.732	7.732	0.000	77	790728	30.0	30.9	
120 cis-Diallate	86	7.838	7.838	0.000	99	1132232	22.2	22.6	
119 Phorate	75	7.849	7.849	0.000	93	4203214	30.0	33.4	
118 1,3,5-Trinitrobenzene	213	7.867	7.855	0.012	81	324999	30.0	34.7	a
121 Phenacetin	108	7.890	7.878	0.012	89	1879580	30.0	33.2	
122 4-Bromophenyl phenyl ether	248	7.908	7.902	0.006	71	930440	30.0	31.8	
123 trans-Diallate	86	7.919	7.919	0.000	97	397205	7.80	7.73	
124 Hexachlorobenzene	284	7.949	7.948	0.000	94	1074081	30.0	30.7	
125 Dimethoate	87	8.019	8.013	0.006	95	1592992	30.0	33.3	
126 Atrazine	200	8.094	8.089	0.005	87	796970	30.0	27.5	
127 Pentachlorophenol	266	8.153	8.153	0.000	90	1523354	60.0	70.7	
129 4-Aminobiphenyl	169	8.159	8.153	0.006	91	3285222	30.0	32.1	
128 Pentachloronitrobenzene	237	8.159	8.159	0.000	49	563024	30.0	32.2	
130 Pronamide	173	8.235	8.229	0.006	90	1622502	30.0	33.4	
* 131 Phenanthrene-d10	188	8.316	8.316	0.000	98	650020	5.00	5.00	
132 Phenanthrene	178	8.340	8.334	0.006	97	4348787	30.0	30.3	
133 Dinoseb	211	8.340	8.340	0.000	90	931314	30.0	34.9	
134 Disulfoton	88	8.346	8.346	0.000	97	2437935	30.0	31.7	
135 Anthracene	178	8.386	8.386	0.000	98	4537248	30.0	32.2	
136 Carbazole	167	8.556	8.556	0.000	96	4142790	30.0	32.9	
137 Methyl parathion	109	8.702	8.696	0.006	90	1221193	30.0	34.1	
138 Di-n-butyl phthalate	149	8.912	8.912	0.000	99	4937842	30.0	33.4	
139 Ethyl Parathion	109	9.075	9.075	0.000	81	733151	30.0	35.8	
140 4-Nitroquinoline-1-oxide	190	9.093	9.087	0.006	93	473081	30.0	38.0	
142 Octachlorostyrene	308	9.291	9.286	0.005	93	425505	30.0	32.0	
143 Isodrin	193	9.315	9.315	0.000	93	608661	30.0	29.0	
144 Fluoranthene	202	9.461	9.461	0.000	98	5154820	30.0	32.6	
145 Benzidine	184	9.624	9.618	0.006	98	8476034	90.0	92.6	e
S 68 Diallate	86				0		30.0	30.4	
* 146 Pyrene-d10 (IS)	212	9.654	9.653	0.001	97	698393	5.00	5.00	
147 Pyrene	202	9.671	9.671	0.000	97	5295846	30.0	31.0	
$ 148 p-Terphenyl-d14	244	9.846	9.846	0.000	99	5857441	60.0	62.1	
149 p-Dimethylamino azobenzene	225	9.986	9.986	0.000	92	750882	30.0	33.8	
150 Chlorobenzilate	139	10.039	10.039	0.000	87	1512757	30.0	33.1	
152 3,3'-Dimethylbenzidine	212	10.313	10.313	0.000	99	2603716	30.0	32.9	
153 Butyl benzyl phthalate	149	10.343	10.342	0.000	93	2017007	30.0	32.6	
155 2-Acetylaminofluorene	181	10.576	10.570	0.006	94	1794859	30.0	34.1	
156 Benzo[a]anthracene	228	10.874	10.874	0.000	99	4410443	30.0	32.7	
157 3,3'-Dichlorobenzidine	252	10.874	10.874	0.000	62	1643939	30.0	33.4	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158	4,4'-Methylene bis(2-chloroanil	231	10.886	10.885	0.001	94	853064	30.0	32.4	
159	Chrysene	228	10.915	10.909	0.006	97	4022554	30.0	30.7	
160	Bis(2-ethylhexyl) phthalate	149	10.985	10.985	0.000	95	2845352	30.0	34.4	
S 94	Isosafrole	162				0		30.0	31.5	
161	6-Methylchrysene	242	11.440	11.434	0.006	99	2656089	30.0	31.8	
162	Di-n-octyl phthalate	149	11.773	11.773	0.000	99	4469717	30.0	36.0	
163	7,12-Dimethylbenz(a)anthracene	256	12.164	12.158	0.006	87	1642337	30.0	35.8	
164	Benzo[b]fluoranthene	252	12.164	12.158	0.006	96	3982953	30.0	34.3	
165	Benzo[k]fluoranthene	252	12.199	12.193	0.006	99	3788221	30.0	31.6	
166	Benzo[a]pyrene	252	12.579	12.573	0.006	77	3635938	30.0	32.8	
* 167	Perylene-d12	264	12.655	12.649	0.006	98	477609	5.00	5.00	
168	3-Methylcholanthrene	268	13.075	13.069	0.006	91	1706681	30.0	34.3	
169	Dibenz[a,h]acridine	279	13.823	13.817	0.006	91	2809067	30.0	33.2	
170	Dibenz[a,j]acridine	279	13.893	13.887	0.006	96	2845106	30.0	33.3	
171	Indeno[1,2,3-cd]pyrene	276	14.120	14.109	0.011	100	3357034	30.0	32.9	
172	Dibenz(a,h)anthracene	278	14.161	14.155	0.006	93	3133298	30.0	32.6	
173	Benzo[g,h,i]perylene	276	14.471	14.465	0.006	98	3322868	30.0	32.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

a - User Assigned ID

Reagents:

MSS_RV8270_8_00044 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:30:02 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2552.D

Injection Date: 25-Jun-2025 23:30:30 Instrument ID: HP23264 Operator ID: IR93211

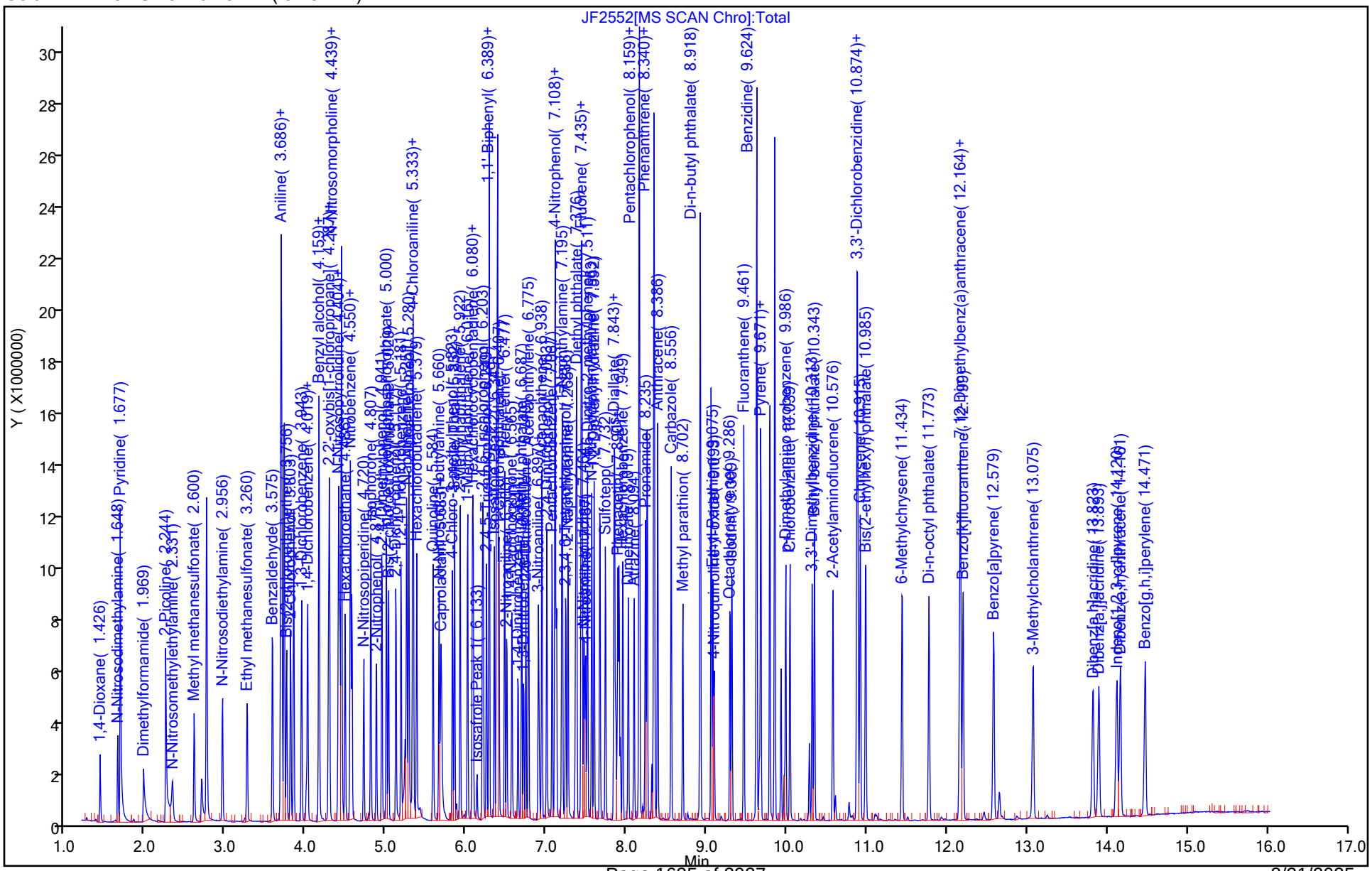
Lims ID: IC L8 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

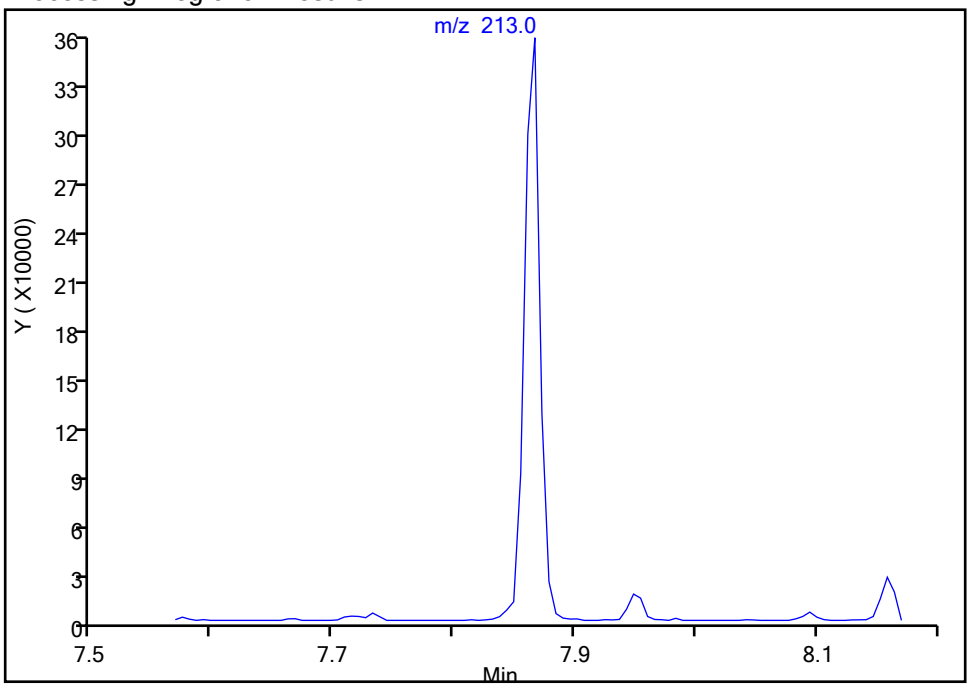
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2552.D				
Injection Date:	25-Jun-2025 23:30:30	Instrument ID:	HP23264		
Lims ID:	IC L8				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

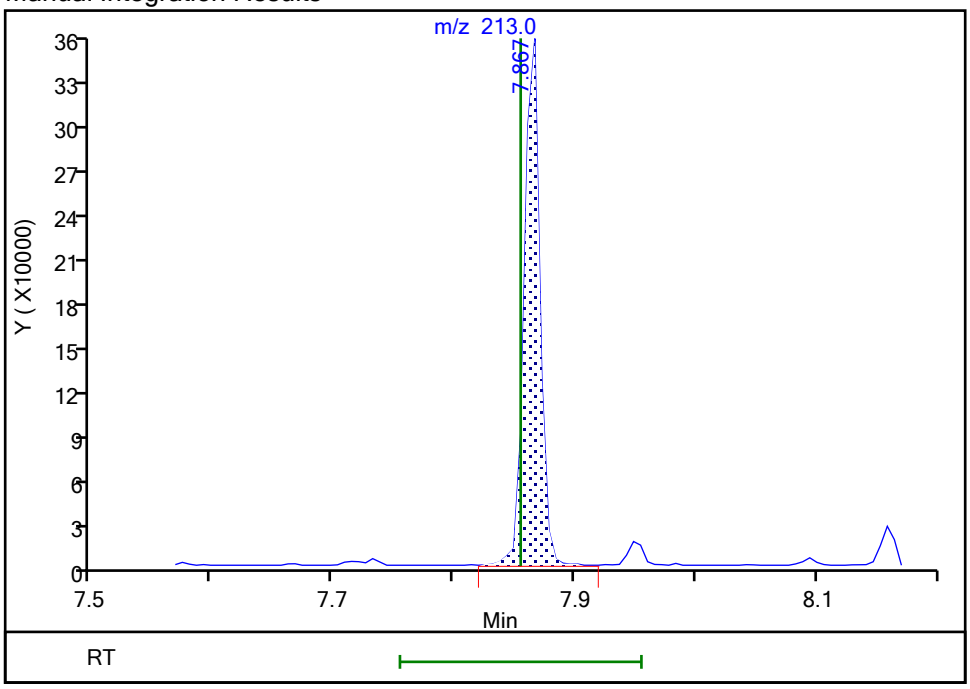
Not Detected
Expected RT: 7.86

Processing Integration Results



Manual Integration Results

RT: 7.87
Area: 324999
Amount: 34.748473
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:40:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2553.D
Lims ID: IC L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 25-Jun-2025 23:52:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L7
Misc. Info.: 410-0151575-004
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:30:28 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:41:53

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.438	1.426	0.012	98	499005	20.0	18.4	
	2 N-Nitrosodimethylamine	74	1.654	1.642	0.012	94	929539	20.0	20.4	
	3 Pyridine	79	1.689	1.677	0.012	94	3110370	40.0	38.1	
	4 Dimethylformamide	73	1.975	1.981	-0.006	97	1159040	20.0	21.9	
	5 2-Picoline	93	2.250	2.250	0.000	93	1474755	20.0	20.8	
	6 N-Nitrosomethylethylamine	88	2.331	2.331	0.000	97	646904	20.0	19.5	
	7 Methyl methanesulfonate	80	2.600	2.594	0.006	86	1012809	20.0	19.5	
$	9 2-Fluorophenol	112	2.757	2.752	0.005	96	2306174	40.0	42.2	
	11 N-Nitrosodiethylamine	102	2.956	2.950	0.006	92	649289	20.0	19.7	
	12 Ethyl methanesulfonate	109	3.260	3.260	0.000	93	656905	20.0	20.7	
	13 Benzaldehyde	77	3.575	3.575	0.000	91	1387103	20.0	19.8	
$	15 Phenol-d5	99	3.680	3.680	0.000	95	3583368	40.0	43.8	
	17 Aniline	93	3.686	3.686	0.000	96	2285900	20.0	21.6	
	16 Phenol	94	3.692	3.692	0.000	92	2064460	20.0	21.5	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	86	1354720	20.0	19.6	
	19 2-Chlorophenol	128	3.803	3.803	0.000	90	1101532	20.0	20.3	
	21 1,3-Dichlorobenzene	146	3.943	3.943	0.000	94	1248265	20.0	19.5	
*	22 1,4-Dichlorobenzene-d4	152	4.001	4.001	0.000	91	223839	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	89	1280424	20.0	19.7	
	26 Benzyl alcohol	108	4.153	4.153	0.000	87	873319	20.0	21.0	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	1215287	20.0	20.0	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.282	-0.006	92	2397943	20.0	18.9	
	29 2-Methylphenol	108	4.281	4.282	-0.001	95	1220715	20.0	19.9	
	31 N-Nitrosopyrrolidine	100	4.392	4.387	0.005	89	750695	20.0	20.6	
	32 Acetophenone	105	4.404	4.404	0.000	89	1939757	20.0	19.4	
	33 N-Nitrosodi-n-propylamine	70	4.416	4.410	0.006	83	1284854	20.0	19.7	
	35 N-Nitrosomorpholine	56	4.433	4.428	0.005	88	1075328	20.0	20.9	
	34 4-Methylphenol	108	4.433	4.433	0.000	83	1386451	20.0	21.2	
	36 2-Toluidine	106	4.439	4.439	0.000	86	2109313	20.0	20.2	
	37 Hexachloroethane	117	4.480	4.486	-0.006	94	588612	20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.550	4.544	0.006	88	3608999	40.0	40.8	
40 Nitrobenzene	77	4.568	4.568	0.000	87	1820281	20.0	19.8	
41 N-Nitrosopiperidine	114	4.714	4.714	0.000	80	592707	20.0	19.5	
42 Isophorone	82	4.801	4.801	0.000	98	3168875	20.0	19.9	
43 2-Nitrophenol	139	4.871	4.871	0.000	89	565986	20.0	21.2	
44 2,4-Dimethylphenol	107	4.941	4.941	0.000	98	1399382	20.0	21.3	
46 o,o',o''-Triethylphosphorothioat	198	5.000	5.000	0.000	92	572551	20.0	19.5	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	1802176	20.0	19.8	
49 2,4-Dichlorophenol	162	5.116	5.117	-0.001	97	1036111	20.0	21.1	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	92	1211157	20.0	20.2	
* 52 Naphthalene-d8	136	5.233	5.233	0.000	99	741134	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	98	3061193	20.0	19.3	
55 Alpha-Terpineol	59	5.274	5.280	-0.006	90	1466891	20.0	19.4	
56 4-Chloroaniline	127	5.327	5.327	0.000	91	1376632	20.0	22.1	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	89	1021386	20.0	20.3	
58 Hexachloropropene	213	5.338	5.338	0.000	98	987734	20.0	20.6	
59 Hexachlorobutadiene	225	5.379	5.379	0.000	94	752686	20.0	19.9	
61 Quinoline	129	5.578	5.578	0.000	93	2114755	20.0	20.4	
63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	1443620	20.0	20.6	
62 Caprolactam	113	5.671	5.665	0.006	74	303603	20.0	20.9	
64 p-Phenylene diamine	108	5.677	5.677	0.000	92	1108645	20.0	21.6	
65 4-Chloro-3-methylphenol	107	5.823	5.823	0.000	92	1200703	20.0	19.3	
66 Safrole, Total	162	5.852	5.852	0.000	83	868132	20.0	20.1	
67 2-Methylnaphthalene	142	5.916	5.922	-0.006	91	1905955	20.0	20.5	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1968151	20.0	19.3	
71 Hexachlorocyclopentadiene	237	6.068	6.074	-0.006	94	1025764	20.0	21.0	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	97	1327820	20.0	19.3	
72 Isosafrole Peak 1	162	6.127	6.133	-0.005	85	156796	3.20	2.95	
79 2,4,6-Trichlorophenol	196	6.203	6.208	-0.005	96	782564	20.0	20.5	
80 2,4,5-Trichlorophenol	196	6.249	6.249	0.000	93	860016	20.0	20.2	
$ 81 2-Fluorobiphenyl (Surr)	172	6.278	6.278	0.000	100	5170755	40.0	39.3	
82 Isosafrole Peak 2	162	6.343	6.349	-0.006	87	890163	16.8	15.6	
83 1,1'-Biphenyl	154	6.372	6.372	0.000	96	2587338	20.0	19.3	
84 2-Chloronaphthalene	162	6.384	6.384	0.000	92	1925370	20.0	17.3	
85 1-Chloronaphthalene	162	6.401	6.401	0.000	98	2247631	20.0	19.7	
86 Phenyl ether	170	6.471	6.477	-0.006	90	1513913	20.0	18.2	
87 2-Nitroaniline	138	6.500	6.500	0.000	74	645828	20.0	20.5	
S 24 Dinitrotoluene	165				0		40.0	36.7	
88 1,4-Naphthoquinone	158	6.565	6.565	0.000	74	803970	20.0	19.1	
89 1,4-Dinitrobenzene	168	6.640	6.641	0.000	86	318608	20.0	19.2	
90 Dimethyl phthalate	163	6.687	6.687	0.000	96	2401768	20.0	18.0	
91 1,3-Dinitrobenzene	168	6.711	6.711	0.000	80	352942	20.0	20.2	
92 2,6-Dinitrotoluene	165	6.740	6.740	0.000	85	512547	20.0	18.0	
93 Acenaphthylene	152	6.775	6.775	0.000	99	3332556	20.0	19.0	
95 3-Nitroaniline	138	6.892	6.897	-0.005	86	550786	20.0	20.1	
* 96 Acenaphthene-d10	164	6.909	6.909	0.000	95	463888	5.00	5.00	
97 Acenaphthene	153	6.938	6.938	0.000	98	2096282	20.0	18.3	
98 2,4-Dinitrophenol	184	6.997	6.997	0.000	79	749213	40.0	40.4	
99 Pentachlorobenzene	250	7.067	7.067	0.000	97	1044055	20.0	18.3	
100 4-Nitrophenol	109	7.096	7.096	0.000	90	832035	40.0	38.0	
101 Dibenzofuran	168	7.102	7.108	-0.006	92	2901268	20.0	18.2	
102 2,4-Dinitrotoluene	165	7.119	7.119	0.000	87	730969	20.0	18.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.183	7.189	-0.006	98	1983079	20.0	19.3	
105 2,3,4,6-Tetrachlorophenol	232	7.236	7.236	0.000	73	706747	20.0	19.1	
106 2-Naphthylamine	143	7.265	7.265	0.000	94	1965566	20.0	18.3	
107 Diethyl phthalate	149	7.359	7.359	0.000	96	2386011	20.0	17.9	
108 Fluorene	166	7.429	7.429	0.000	92	2239404	20.0	18.4	
109 Thionazin	107	7.435	7.435	0.000	75	441753	20.0	17.9	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	94	1168015	20.0	17.8	
111 N-Nitro-o-toluidine	152	7.464	7.464	0.000	90	645792	20.0	19.0	
112 4-Nitroaniline	138	7.481	7.475	0.006	78	501254	20.0	19.0	
113 4,6-Dinitro-2-methylphenol	198	7.505	7.505	0.000	74	921137	40.0	43.3	
114 N-Nitrosodiphenylamine	169	7.557	7.563	-0.006	66	1552080	17.0	17.4	
115 1,2-Diphenylhydrazine	77	7.592	7.592	0.000	98	3372456	20.0	19.2	
$ 116 2,4,6-Tribromophenol	330	7.662	7.662	0.000	92	831632	40.0	37.7	
117 Sulfotepp	97	7.732	7.732	0.000	76	568332	20.0	18.8	
120 cis-Diallate	86	7.837	7.838	-0.001	92	860005	14.8	14.5	
119 Phorate	75	7.843	7.849	-0.006	93	3125321	20.0	21.0	
118 1,3,5-Trinitrobenzene	213	7.855	7.855	0.000	81	232539	20.0	21.0	
121 Phenacetin	108	7.884	7.878	0.006	90	1337992	20.0	20.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	69	691866	20.0	20.0	
123 trans-Diallate	86	7.919	7.919	0.000	98	301057	5.20	4.95	
124 Hexachlorobenzene	284	7.948	7.948	0.000	94	806099	20.0	19.5	
125 Dimethoate	87	8.013	8.013	0.000	96	1139182	20.0	20.1	
126 Atrazine	200	8.089	8.089	0.000	87	649680	20.0	18.9	
127 Pentachlorophenol	266	8.153	8.153	0.000	91	1089548	40.0	42.8	
129 4-Aminobiphenyl	169	8.153	8.153	0.000	91	2410809	20.0	19.9	
128 Pentachloronitrobenzene	237	8.159	8.159	0.000	85	405448	20.0	19.6	
130 Pronamide	173	8.229	8.229	0.000	89	1160537	20.0	20.2	
* 131 Phenanthrene-d10	188	8.310	8.316	-0.006	97	768983	5.00	5.00	
132 Phenanthrene	178	8.334	8.334	0.000	98	3263820	20.0	19.2	
133 Dinoseb	211	8.334	8.340	-0.006	86	660835	20.0	20.9	
134 Disulfoton	88	8.340	8.346	-0.006	97	1791094	20.0	19.7	
135 Anthracene	178	8.380	8.386	-0.006	98	3346448	20.0	20.1	
136 Carbazole	167	8.550	8.556	-0.006	96	2936824	20.0	19.7	
137 Methyl parathion	109	8.696	8.696	0.000	88	904385	20.0	21.3	
138 Di-n-butyl phthalate	149	8.912	8.912	0.000	99	3527135	20.0	20.2	
139 Ethyl Parathion	109	9.069	9.075	-0.006	81	521302	20.0	21.5	
140 4-Nitroquinoline-1-oxide	190	9.087	9.087	0.000	94	327442	20.0	22.3	
142 Octachlorostyrene	308	9.286	9.286	0.000	91	309280	20.0	19.7	
143 Isodrin	193	9.309	9.315	-0.006	93	464865	20.0	18.7	
144 Fluoranthene	202	9.461	9.461	0.000	98	3688303	20.0	19.7	
145 Benzidine	184	9.618	9.618	0.000	99	6782636	60.0	64.3	e
S 68 Diallate	86				0		20.0	19.5	
* 146 Pyrene-d10 (IS)	212	9.653	9.653	0.000	98	805087	5.00	5.00	
147 Pyrene	202	9.671	9.671	0.000	97	3721681	20.0	18.9	
$ 148 p-Terphenyl-d14	244	9.846	9.846	0.000	100	4141059	40.0	38.1	
149 p-Dimethylamino azobenzene	225	9.980	9.986	-0.006	92	534813	20.0	20.9	
150 Chlorobenzilate	139	10.033	10.039	-0.006	85	1048756	20.0	19.9	
152 3,3'-Dimethylbenzidine	212	10.313	10.313	0.000	99	1872229	20.0	20.5	
153 Butyl benzyl phthalate	149	10.337	10.342	-0.005	94	1391500	20.0	19.5	
155 2-Acetylaminofluorene	181	10.570	10.570	0.000	94	1258086	20.0	20.7	
156 Benzo[a]anthracene	228	10.868	10.874	-0.006	99	3132239	20.0	20.1	
157 3,3'-Dichlorobenzidine	252	10.874	10.874	0.000	77	1147433	20.0	20.3	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158	4,4'-Methylene bis(2-chloroanil	231	10.880	10.885	-0.005	95	618350	20.0	20.4	
159	Chrysene	228	10.909	10.909	0.000	97	2809456	20.0	18.6	
160	Bis(2-ethylhexyl) phthalate	149	10.979	10.985	-0.006	95	1954646	20.0	20.5	
S 94	Isosafrole	162				0		20.0	18.5	
161	6-Methylchrysene	242	11.434	11.434	0.000	99	1837084	20.0	19.1	
162	Di-n-octyl phthalate	149	11.767	11.773	-0.006	99	3094510	20.0	21.8	
163	7,12-Dimethylbenz(a)anthracene	256	12.158	12.158	0.000	87	1151463	20.0	21.9	
164	Benzo[b]fluoranthene	252	12.153	12.158	-0.006	97	2740545	20.0	20.6	
165	Benzo[k]fluoranthene	252	12.193	12.193	0.000	99	2804979	20.0	20.4	
166	Benzo[a]pyrene	252	12.573	12.573	0.000	77	2595311	20.0	20.4	M
* 167	Perylene-d12	264	12.649	12.649	0.000	98	546787	5.00	5.00	
168	3-Methylcholanthrene	268	13.069	13.069	0.000	90	1195900	20.0	21.0	
169	Dibenz[a,h]acridine	279	13.811	13.817	-0.006	91	1950808	20.0	20.2	
170	Dibenz[a,j]acridine	279	13.887	13.887	0.000	96	2003999	20.0	20.5	
171	Indeno[1,2,3-cd]pyrene	276	14.109	14.109	0.000	99	2342745	20.0	20.1	
172	Dibenz(a,h)anthracene	278	14.149	14.155	-0.006	93	2227064	20.0	20.2	
173	Benzo[g,h,i]perylene	276	14.465	14.465	0.000	98	2376909	20.0	20.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

MSS_RV8270_7_00045 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:30:29 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2553.D

Injection Date: 25-Jun-2025 23:52:30 Instrument ID: HP23264 Operator ID: IR93211

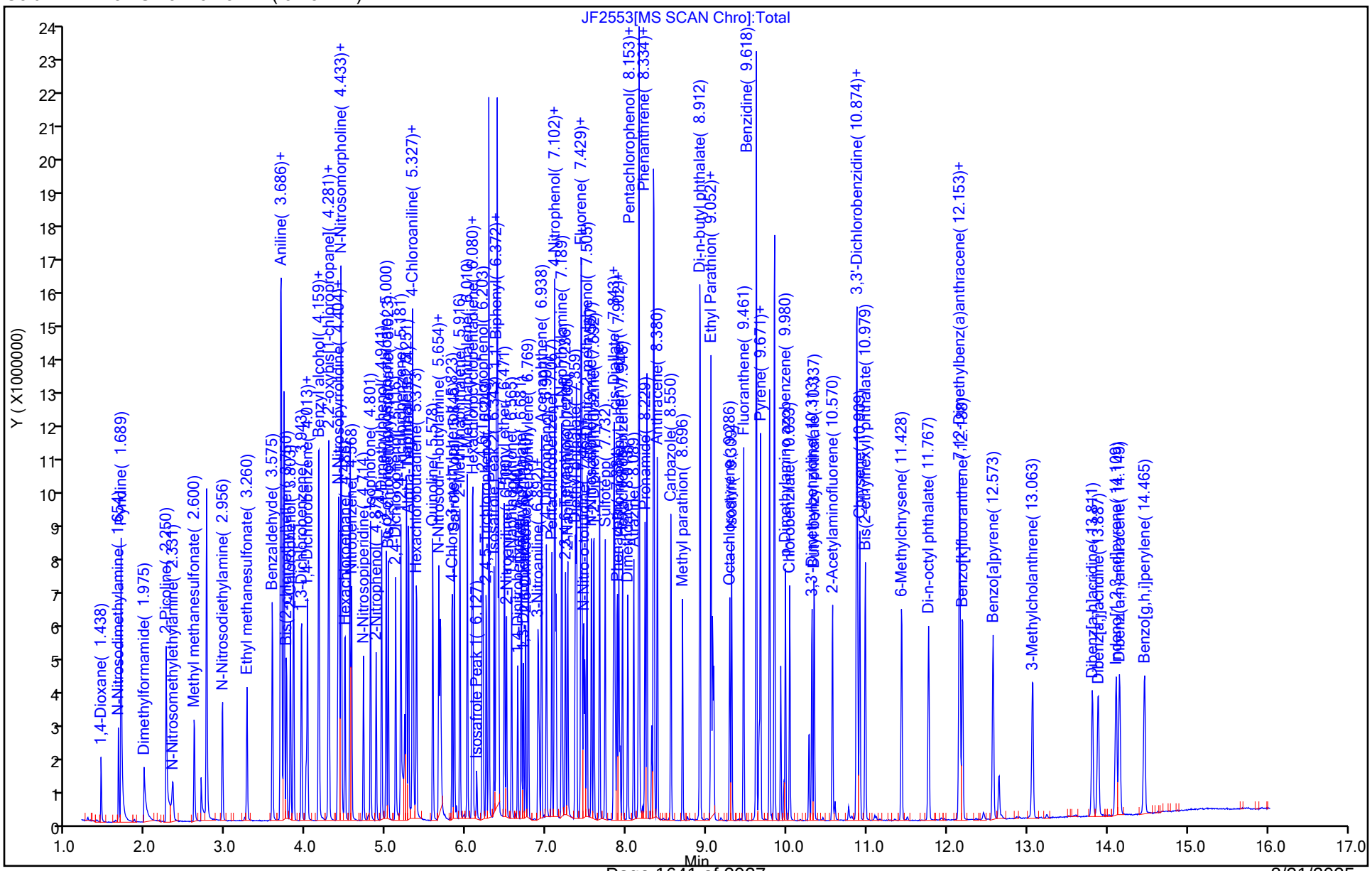
Lims ID: IC L7 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

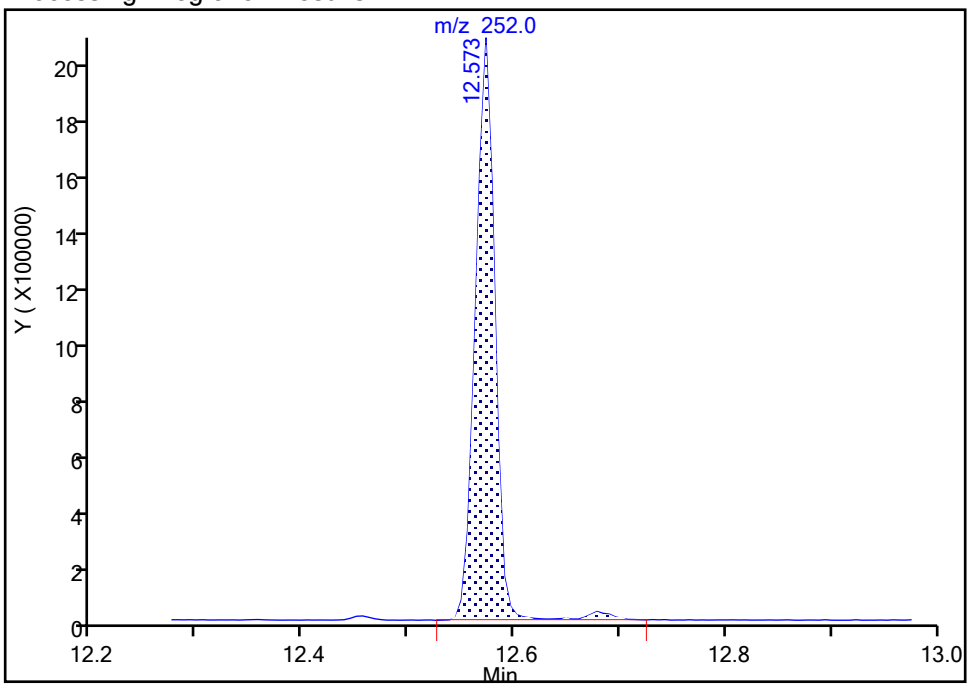
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Injection Date:	25-Jun-2025 23:52:30	Instrument ID:	HP23264		
Lims ID:	IC L7				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

166 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

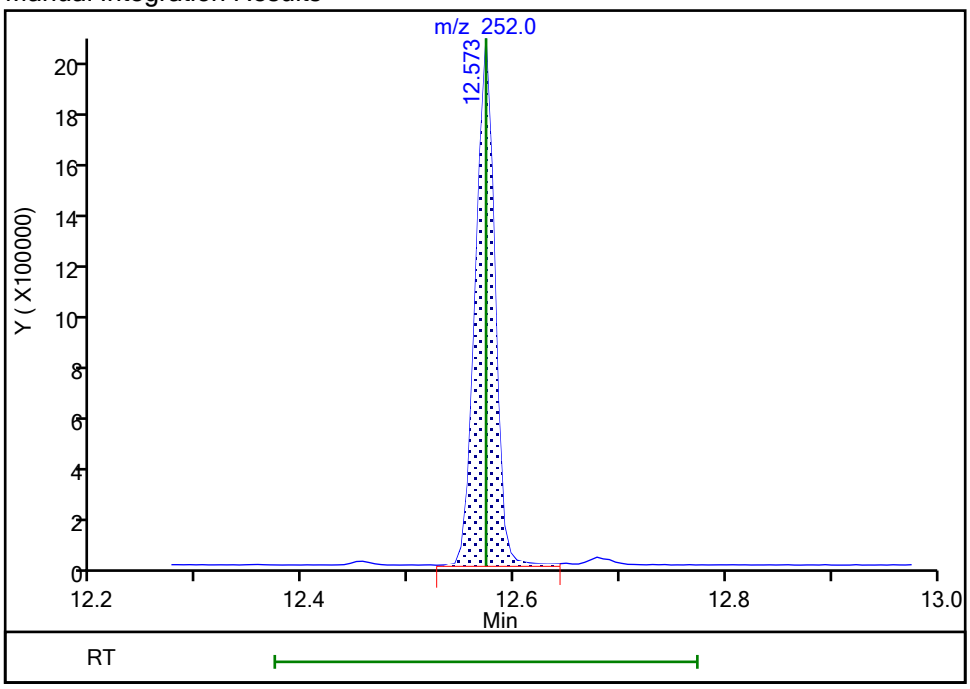
Processing Integration Results

RT: 12.57
Area: 2650208
Amount: 20.995673
Amount Units: ug/ml



Manual Integration Results

RT: 12.57
Area: 2595311
Amount: 20.425807
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:41:46 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2554.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 26-Jun-2025 00:13:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L5
Misc. Info.: 410-0151575-005
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:30:54 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:43:17

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.426	1.426	0.000	97	152473	7.50	7.57	
	2 N-Nitrosodimethylamine	74	1.648	1.648	0.000	94	279426	7.50	8.26	
	3 Pyridine	79	1.683	1.683	0.000	95	867654	15.0	14.3	
	4 Dimethylformamide	73	1.998	1.998	0.000	98	296296	7.50	7.55	
	5 2-Picoline	93	2.249	2.249	0.000	93	398214	7.50	7.58	
	6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	96	181542	7.50	7.39	
	7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	288932	7.50	7.51	
$	9 2-Fluorophenol	112	2.752	2.752	0.000	96	642452	15.0	15.9	
	11 N-Nitrosodiethylamine	102	2.944	2.944	0.000	88	168902	7.50	6.90	
	12 Ethyl methanesulfonate	109	3.254	3.254	0.000	94	185372	7.50	7.86	
	13 Benzaldehyde	77	3.575	3.575	0.000	89	412611	7.50	7.96	
$	15 Phenol-d5	99	3.674	3.674	0.000	95	979709	15.0	16.1	
	17 Aniline	93	3.686	3.686	0.000	75	634052	7.50	8.09	
	16 Phenol	94	3.686	3.686	0.000	79	575128	7.50	8.07	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	88	391497	7.50	7.63	
	19 2-Chlorophenol	128	3.797	3.797	0.000	90	313423	7.50	7.81	
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	94	358009	7.50	7.55	
*	22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	96	165942	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	90	374364	7.50	7.79	
	26 Benzyl alcohol	108	4.153	4.153	0.000	86	247352	7.50	8.02	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	93	346862	7.50	7.70	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	91	712305	7.50	7.58	
	29 2-Methylphenol	108	4.276	4.276	0.000	94	343508	7.50	7.54	
	31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	89	218175	7.50	8.06	
	32 Acetophenone	105	4.398	4.398	0.000	91	589556	7.50	7.97	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	87	382193	7.50	7.92	
	35 N-Nitrosomorpholine	56	4.427	4.427	0.000	84	304591	7.50	7.97	
	34 4-Methylphenol	108	4.433	4.433	0.000	81	400364	7.50	8.24	
	36 2-Toluidine	106	4.433	4.433	0.000	83	606252	7.50	7.82	
	37 Hexachloroethane	117	4.480	4.480	0.000	93	172883	7.50	7.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	88	1045063	15.0	14.9	
40 Nitrobenzene	77	4.562	4.562	0.000	87	530798	7.50	7.27	
41 N-Nitrosopiperidine	114	4.708	4.708	0.000	81	180676	7.50	7.48	
42 Isophorone	82	4.795	4.795	0.000	98	914653	7.50	7.26	
43 2-Nitrophenol	139	4.871	4.871	0.000	85	155843	7.50	7.36	
44 2,4-Dimethylphenol	107	4.935	4.935	0.000	98	407306	7.50	7.81	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	169690	7.50	7.28	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	540479	7.50	7.48	
49 2,4-Dichlorophenol	162	5.116	5.116	0.000	97	300446	7.50	7.72	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	92	341308	7.50	7.18	
* 52 Naphthalene-d8	136	5.227	5.227	0.000	99	588044	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	98	936637	7.50	7.43	
55 Alpha-Terpineol	59	5.274	5.274	0.000	90	434573	7.50	7.23	
56 4-Chloroaniline	127	5.321	5.321	0.000	90	369752	7.50	7.48	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	91	285222	7.50	7.14	
58 Hexachloropropene	213	5.332	5.332	0.000	98	275552	7.50	7.23	
59 Hexachlorobutadiene	225	5.373	5.373	0.000	94	221026	7.50	7.37	
61 Quinoline	129	5.578	5.578	0.000	93	618550	7.50	7.52	
63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	84	411463	7.50	7.41	
62 Caprolactam	113	5.654	5.654	0.000	55	89932	7.50	7.80	
64 p-Phenylene diamine	108	5.671	5.671	0.000	93	289730	7.50	7.12	
65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	360230	7.50	7.30	
66 Safrole, Total	162	5.846	5.846	0.000	84	256680	7.50	7.50	
67 2-Methylnaphthalene	142	5.916	5.916	0.000	91	554526	7.50	7.51	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	581816	7.50	7.19	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	93	291807	7.50	8.35	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	97	385243	7.50	7.81	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	83	46267	1.20	1.22	
79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	96	229028	7.50	8.37	
80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	94	256749	7.50	8.41	
$ 81 2-Fluorobiphenyl (Surr)	172	6.278	6.278	0.000	100	1517727	15.0	16.1	
82 Isosafrole Peak 2	162	6.343	6.343	0.000	88	260930	6.30	6.37	
83 1,1'-Biphenyl	154	6.366	6.366	0.000	97	755975	7.50	7.89	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	95	652593	7.50	8.18	M
85 1-Chloronaphthalene	162	6.395	6.395	0.000	98	595947	7.50	7.31	Ma
86 Phenyl ether	170	6.471	6.471	0.000	89	467357	7.50	7.84	
87 2-Nitroaniline	138	6.494	6.494	0.000	73	180565	7.50	7.99	
S 24 Dinitrotoluene	165				0		15.0	15.8	
88 1,4-Naphthoquinone	158	6.559	6.559	0.000	76	243936	7.50	8.11	
89 1,4-Dinitrobenzene	168	6.635	6.635	0.000	85	91941	7.50	7.75	
90 Dimethyl phthalate	163	6.681	6.681	0.000	96	719523	7.50	7.55	
91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	104219	7.50	8.33	
92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	86	159536	7.50	7.83	
93 Acenaphthylene	152	6.769	6.769	0.000	99	963213	7.50	7.66	
95 3-Nitroaniline	138	6.891	6.891	0.000	86	155207	7.50	7.91	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	95	332178	5.00	5.00	
97 Acenaphthene	153	6.932	6.932	0.000	98	641491	7.50	7.84	
98 2,4-Dinitrophenol	184	6.991	6.991	0.000	77	236010	17.5	17.8	
99 Pentachlorobenzene	250	7.061	7.061	0.000	98	315857	7.50	7.72	
100 4-Nitrophenol	109	7.090	7.090	0.000	91	248551	15.0	15.9	
101 Dibenzofuran	168	7.102	7.102	0.000	96	864466	7.50	7.58	
102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	88	223204	7.50	7.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.183	7.183	0.000	97	570181	7.50	7.73	
105 2,3,4,6-Tetrachlorophenol	232	7.230	7.230	0.000	73	206972	7.50	7.80	
106 2-Naphthylamine	143	7.259	7.259	0.000	95	591426	7.50	7.68	
107 Diethyl phthalate	149	7.353	7.353	0.000	96	703074	7.50	7.36	
108 Fluorene	166	7.423	7.423	0.000	94	696306	7.50	7.99	
109 Thionazin	107	7.423	7.423	0.000	74	130474	7.50	7.40	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	92	358630	7.50	7.65	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	89	191389	7.50	7.88	
112 4-Nitroaniline	138	7.470	7.470	0.000	78	149864	7.50	7.94	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	74	270284	15.0	15.7	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	473917	6.38	6.54	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	98	1023251	7.50	7.19	
$ 116 2,4,6-Tribromophenol	330	7.656	7.656	0.000	93	249165	15.0	15.8	
117 Sulfotepp	97	7.726	7.726	0.000	76	170638	7.50	6.94	
120 cis-Diallate	86	7.832	7.832	0.000	98	254424	5.55	5.29	
119 Phorate	75	7.843	7.843	0.000	93	893497	7.50	7.39	
118 1,3,5-Trinitrobenzene	213	7.849	7.849	0.000	80	63693	7.50	7.09	
121 Phenacetin	108	7.872	7.872	0.000	90	405821	7.50	7.45	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	70	218245	7.50	7.78	
123 trans-Diallate	86	7.913	7.913	0.000	97	92493	1.95	1.87	
124 Hexachlorobenzene	284	7.942	7.942	0.000	95	255918	7.50	7.62	
125 Dimethoate	87	8.007	8.007	0.000	96	343214	7.50	7.46	
126 Atrazine	200	8.083	8.083	0.000	86	204045	7.50	7.32	
127 Pentachlorophenol	266	8.147	8.147	0.000	91	307942	15.0	14.9	
129 4-Aminobiphenyl	169	8.147	8.147	0.000	91	737284	7.50	7.49	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	81	127142	7.50	7.57	
130 Pronamide	173	8.223	8.223	0.000	89	355750	7.50	7.62	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	624422	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	99	1015318	7.50	7.36	
133 Dinoseb	211	8.334	8.334	0.000	92	201940	7.50	7.88	
134 Disulfoton	88	8.340	8.340	0.000	97	542356	7.50	7.33	
135 Anthracene	178	8.380	8.380	0.000	99	1000810	7.50	7.39	
136 Carbazole	167	8.550	8.550	0.000	96	914121	7.50	7.55	
137 Methyl parathion	109	8.696	8.696	0.000	90	261626	7.50	7.60	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	99	1051286	7.50	7.40	
139 Ethyl Parathion	109	9.069	9.069	0.000	81	159989	7.50	8.13	
140 4-Nitroquinoline-1-oxide	190	9.081	9.081	0.000	78	81819	7.50	6.85	
142 Octachlorostyrene	308	9.285	9.285	0.000	89	94887	7.50	7.42	
143 Isodrin	193	9.309	9.309	0.000	92	137571	7.50	6.81	
144 Fluoranthene	202	9.455	9.455	0.000	98	1158877	7.50	7.64	
145 Benzidine	184	9.612	9.612	0.000	99	2155446	22.5	24.1	
S 68 Diallate	86				0		7.50	7.17	
* 146 Pyrene-d10 (IS)	212	9.647	9.647	0.000	98	681508	5.00	5.00	
147 Pyrene	202	9.665	9.665	0.000	97	1216456	7.50	7.30	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	99	1377103	15.0	15.0	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	94	165367	7.50	7.62	
150 Chlorobenzilate	139	10.033	10.033	0.000	87	336575	7.50	7.56	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	599197	7.50	7.75	
153 Butyl benzyl phthalate	149	10.337	10.337	0.000	94	448371	7.50	7.43	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	94	359304	7.50	6.99	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	998789	7.50	7.59	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	73	368914	7.50	7.69	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158	4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	94	193466	7.50	7.54	
159	Chrysene	228	10.909	10.909	0.000	97	937720	7.50	7.33	
160	Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	95	610593	7.50	7.57	
S 94	Isosafrole	162				0		7.50	7.58	
161	6-Methylchrysene	242	11.428	11.428	0.000	98	576220	7.50	7.06	
162	Di-n-octyl phthalate	149	11.767	11.767	0.000	99	934741	7.50	7.23	
163	7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	71	369098	7.50	7.72	
164	Benzo[b]fluoranthene	252	12.147	12.147	0.000	96	895621	7.50	7.40	
165	Benzo[k]fluoranthene	252	12.182	12.182	0.000	99	910584	7.50	7.28	
166	Benzo[a]pyrene	252	12.567	12.567	0.000	77	861099	7.50	7.44	
* 167	Perylene-d12	264	12.643	12.643	0.000	99	497844	5.00	5.00	
168	3-Methylcholanthrene	268	13.057	13.057	0.000	91	378319	7.50	7.30	
169	Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	637671	7.50	7.24	
170	Dibenz[a,j]acridine	279	13.875	13.875	0.000	96	687777	7.50	7.73	
171	Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	99	797314	7.50	7.51	
172	Dibenz(a,h)anthracene	278	14.144	14.144	0.000	93	753211	7.50	7.52	
173	Benzo[g,h,i]perylene	276	14.453	14.453	0.000	98	812113	7.50	7.50	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_5_00054 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:30:56 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2554.D

Injection Date: 26-Jun-2025 00:13:30 Instrument ID: HP23264 Operator ID: IR93211

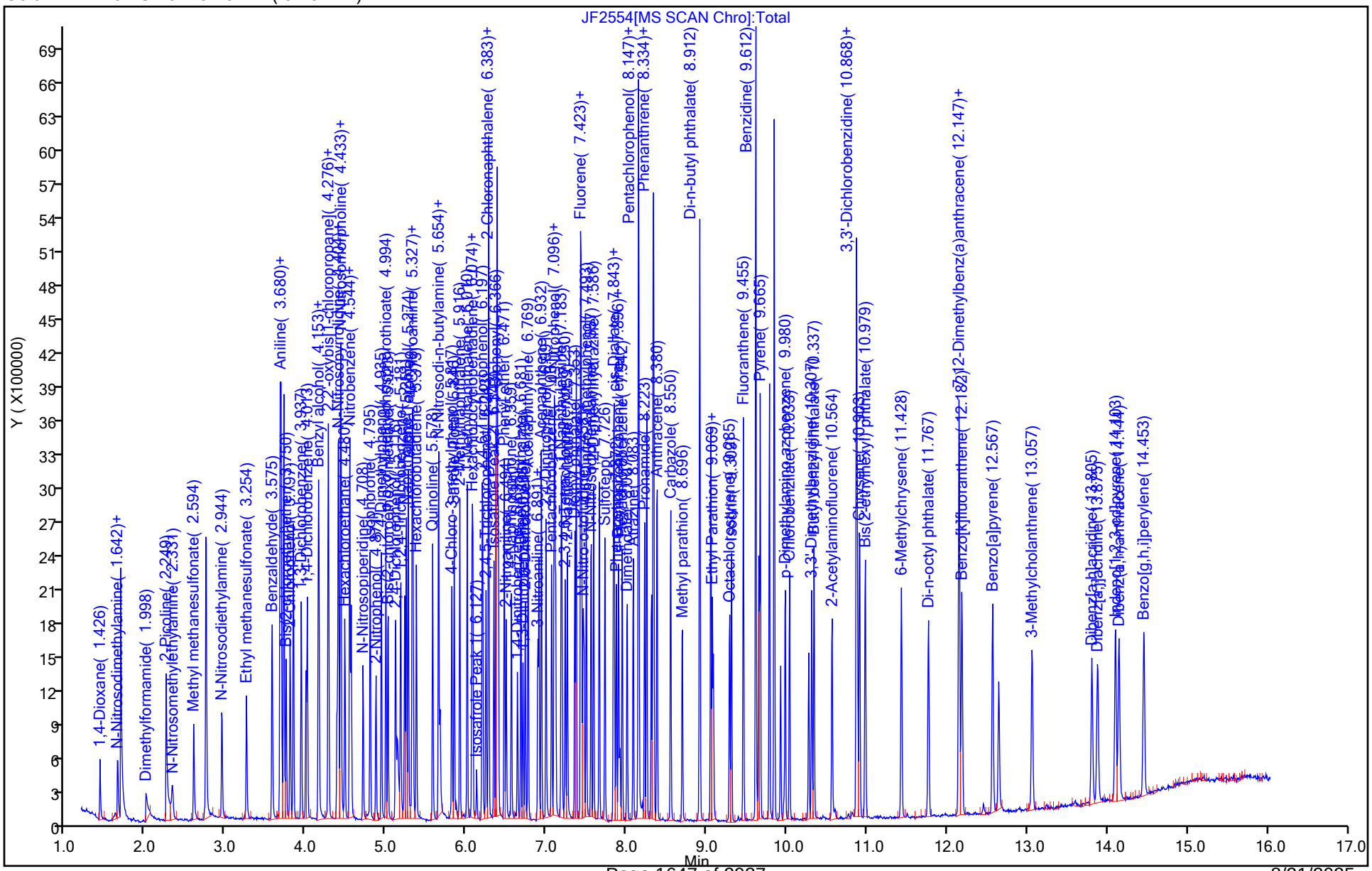
Lims ID: IC L5 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

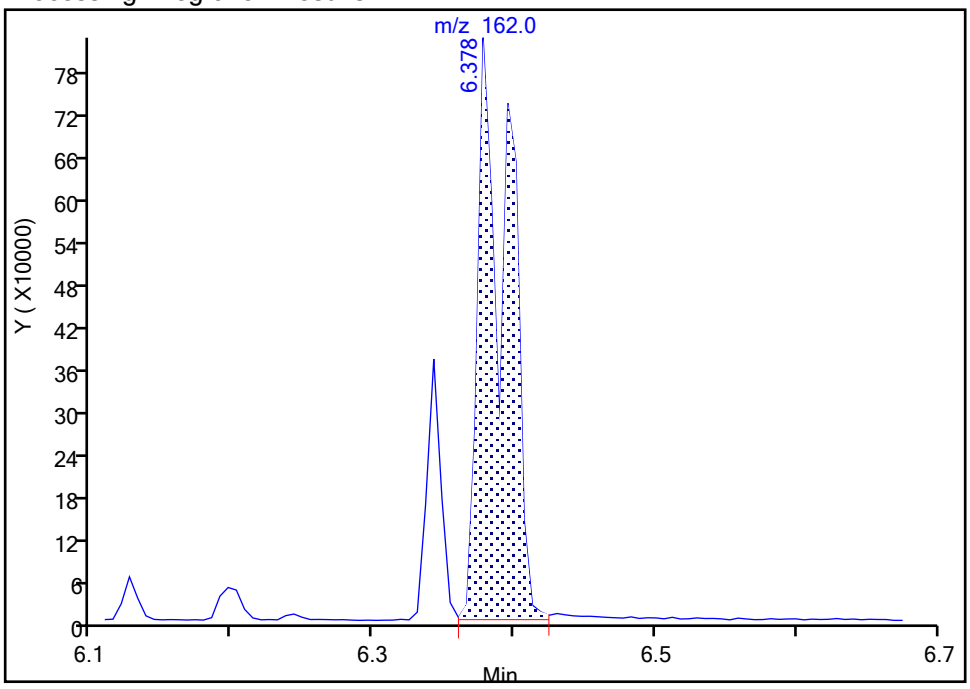
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2554.D				
Injection Date:	26-Jun-2025 00:13:30	Instrument ID:	HP23264		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

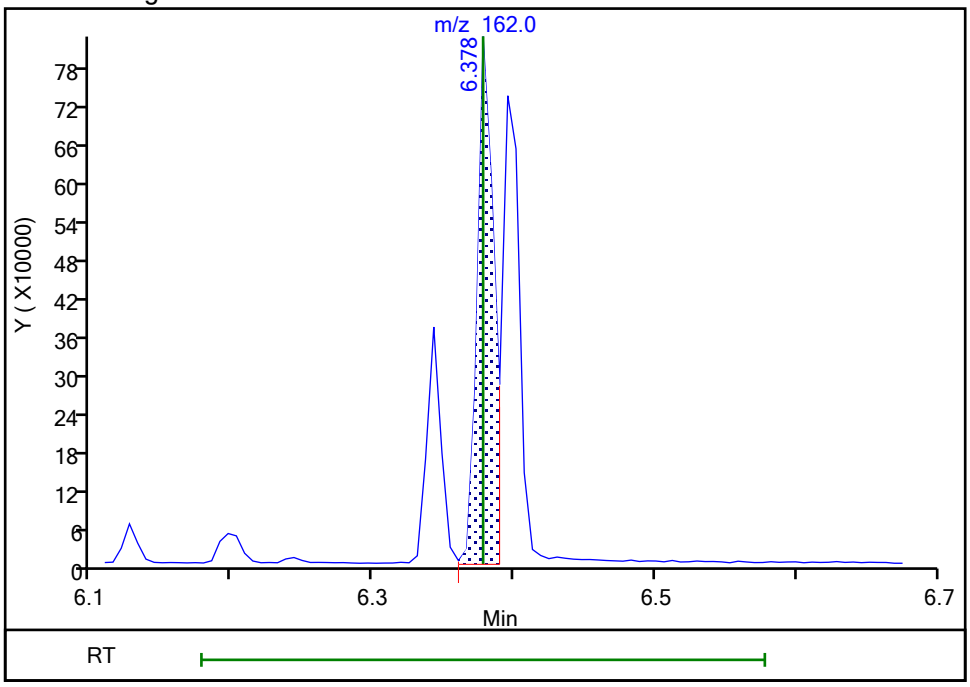
Processing Integration Results

RT: 6.38
Area: 1248541
Amount: 9.849473
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 652593
Amount: 8.181122
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:42:47 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

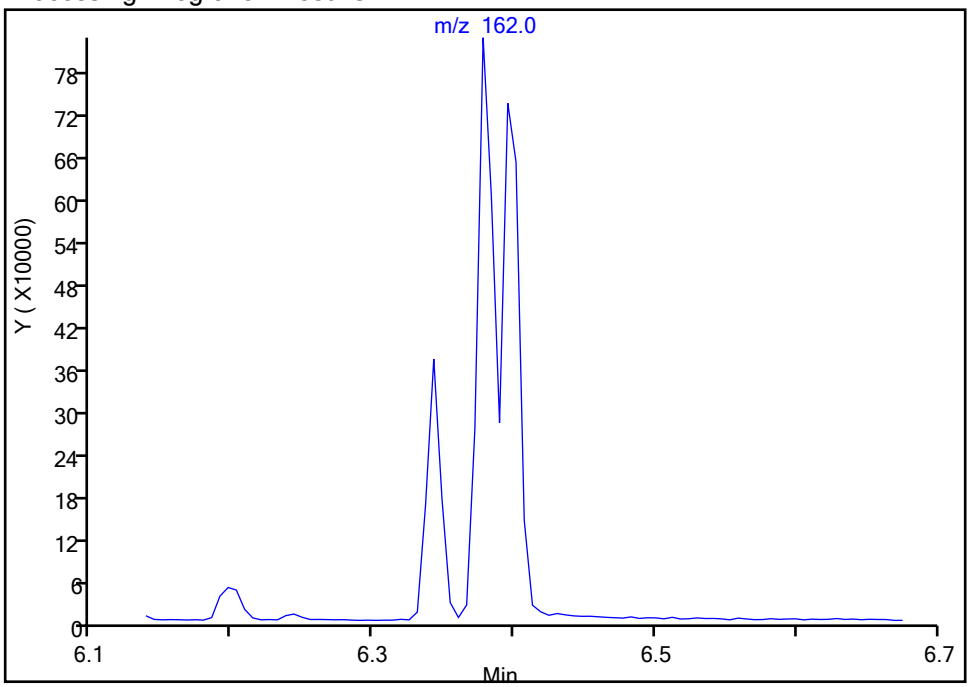
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Injection Date:	26-Jun-2025 00:13:30	Instrument ID:	HP23264		
Lims ID:	IC L5				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

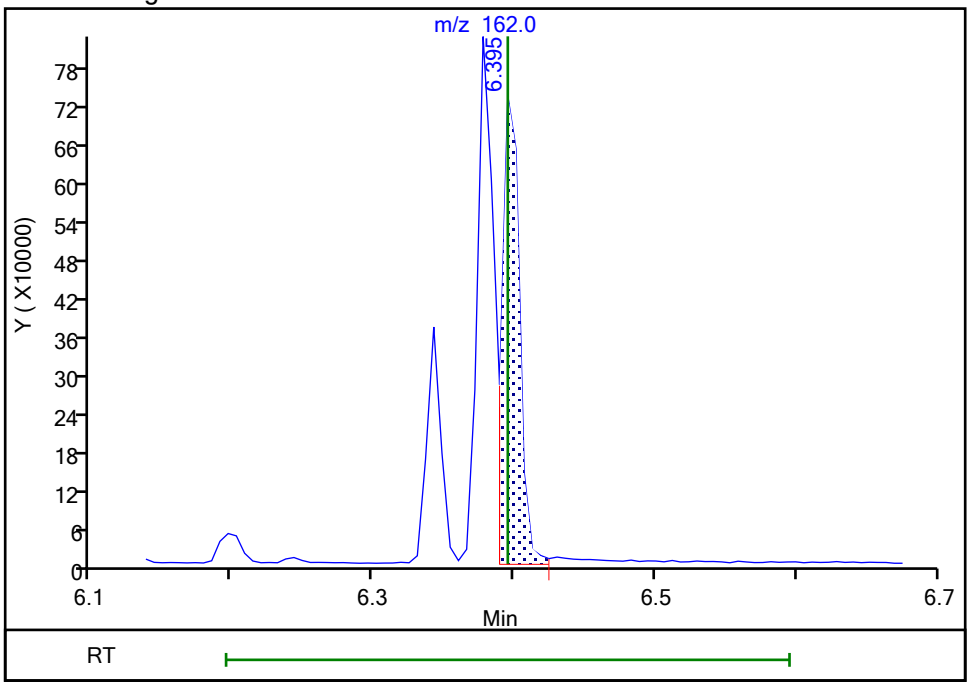
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 595947
Amount: 7.306459
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:42:54 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2555.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Jun-2025 00:34:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L4
Misc. Info.: 410-0151575-006
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:31:22 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:44:42

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.426	1.426	0.000	96	77432	3.75	3.49	
	2 N-Nitrosodimethylamine	74	1.654	1.648	0.006	95	135702	3.75	3.64	
	3 Pyridine	79	1.689	1.683	0.006	93	478298	7.50	7.17	
	4 Dimethylformamide	73	2.034	1.998	0.036	94	151820	3.75	3.51	
	5 2-Picoline	93	2.255	2.249	0.006	92	214083	3.75	3.70	
	6 N-Nitrosomethylethylamine	88	2.331	2.325	0.006	96	101586	3.75	3.75	
	7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	150229	3.75	3.54	
$	9 2-Fluorophenol	112	2.752	2.752	0.000	96	334932	7.50	7.49	
	11 N-Nitrosodiethylamine	102	2.944	2.944	0.000	90	89544	3.75	3.32	
	12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	96214	3.75	3.70	
	13 Benzaldehyde	77	3.575	3.575	0.000	91	214953	3.75	3.76	
$	15 Phenol-d5	99	3.674	3.674	0.000	95	520296	7.50	7.77	
	17 Aniline	93	3.686	3.686	0.000	75	336283	3.75	3.89	
	16 Phenol	94	3.686	3.686	0.000	77	293566	3.75	3.73	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	85	203024	3.75	3.59	
	19 2-Chlorophenol	128	3.797	3.797	0.000	90	159802	3.75	3.61	
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	93	192112	3.75	3.67	
*	22 1,4-Dichlorobenzene-d4	152	3.996	3.995	0.001	95	183040	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	90	197637	3.75	3.73	
	26 Benzyl alcohol	108	4.153	4.153	0.000	86	124840	3.75	3.67	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	92	187634	3.75	3.77	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	93	373508	3.75	3.60	
	29 2-Methylphenol	108	4.276	4.276	0.000	95	176834	3.75	3.52	
	31 N-Nitrosopyrrolidine	100	4.381	4.387	-0.006	88	109781	3.75	3.68	
	32 Acetophenone	105	4.398	4.398	0.000	89	299102	3.75	3.67	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	86	190344	3.75	3.58	
	35 N-Nitrosomorpholine	56	4.422	4.427	-0.005	87	158124	3.75	3.75	
	34 4-Methylphenol	108	4.433	4.433	0.000	81	206538	3.75	3.85	
	36 2-Toluidine	106	4.433	4.433	0.000	83	314959	3.75	3.68	
	37 Hexachloroethane	117	4.480	4.480	0.000	94	92494	3.75	3.60	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.539	4.544	-0.005	88	547671	7.50	7.34	
40 Nitrobenzene	77	4.562	4.562	0.000	87	277696	3.75	3.58	
41 N-Nitrosopiperidine	114	4.708	4.708	0.000	80	92377	3.75	3.59	
42 Isophorone	82	4.795	4.795	0.000	98	486555	3.75	3.63	
43 2-Nitrophenol	139	4.871	4.871	0.000	88	82690	3.75	3.67	
44 2,4-Dimethylphenol	107	4.936	4.935	0.001	96	206696	3.75	3.73	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	92	92582	3.75	3.74	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	288419	3.75	3.75	
49 2,4-Dichlorophenol	162	5.117	5.116	0.001	97	148232	3.75	3.58	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	92	176061	3.75	3.48	
* 52 Naphthalene-d8	136	5.228	5.227	0.001	99	625435	5.00	5.00	
53 Naphthalene	128	5.245	5.251	-0.006	98	505943	3.75	3.77	
55 Alpha-Terpineol	59	5.274	5.274	0.000	91	228111	3.75	3.57	
56 4-Chloroaniline	127	5.321	5.321	0.000	91	193784	3.75	3.68	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	154746	3.75	3.64	
58 Hexachloropropene	213	5.333	5.332	0.001	98	144827	3.75	3.57	
59 Hexachlorobutadiene	225	5.374	5.373	0.001	95	116911	3.75	3.66	
61 Quinoline	129	5.578	5.578	0.000	92	330193	3.75	3.78	
63 N-Nitrosodi-n-butylamine	84	5.648	5.654	-0.006	84	219304	3.75	3.71	
62 Caprolactam	113	5.648	5.654	-0.006	52	43929	3.75	3.58	
64 p-Phenylene diamine	108	5.671	5.671	0.000	91	138852	3.75	3.21	
65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	186285	3.75	3.55	
66 Safrole, Total	162	5.846	5.846	0.000	82	132966	3.75	3.65	
67 2-Methylnaphthalene	142	5.917	5.916	0.001	90	295620	3.75	3.76	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	92	314302	3.75	3.65	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	93	145049	3.75	3.58	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	96	199939	3.75	3.50	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	87	26565	0.6000	0.6017	
79 2,4,6-Trichlorophenol	196	6.203	6.202	0.001	95	117055	3.75	3.69	
80 2,4,5-Trichlorophenol	196	6.244	6.243	0.001	93	137130	3.75	3.87	
$ 81 2-Fluorobiphenyl (Surr)	172	6.279	6.278	0.001	100	790653	7.50	7.23	
82 Isosafrole Peak 2	162	6.343	6.343	0.000	90	143363	3.15	3.02	
83 1,1'-Biphenyl	154	6.366	6.366	0.000	95	413610	3.75	3.72	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	356527	3.75	3.85	M
85 1-Chloronaphthalene	162	6.395	6.395	0.000	99	317570	3.75	3.36	Ma
86 Phenyl ether	170	6.471	6.471	0.000	89	252152	3.75	3.64	
87 2-Nitroaniline	138	6.495	6.494	0.001	74	102523	3.75	3.91	
S 24 Dinitrotoluene	165				0		7.50	7.48	
88 1,4-Naphthoquinone	158	6.559	6.559	0.000	75	137615	3.75	3.95	
89 1,4-Dinitrobenzene	168	6.641	6.635	0.006	83	47963	3.75	3.49	
90 Dimethyl phthalate	163	6.681	6.681	0.000	96	403683	3.75	3.65	
91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	80	56668	3.75	3.91	
92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	87	86758	3.75	3.67	
93 Acenaphthylene	152	6.769	6.769	0.000	99	529333	3.75	3.63	
95 3-Nitroaniline	138	6.892	6.891	0.001	84	80645	3.75	3.55	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385280	5.00	5.00	
97 Acenaphthene	153	6.933	6.932	0.001	98	342302	3.75	3.61	
98 2,4-Dinitrophenol	184	6.991	6.991	0.000	76	165949	11.3	10.8	
99 Pentachlorobenzene	250	7.061	7.061	0.000	97	168724	3.75	3.55	
100 4-Nitrophenol	109	7.096	7.090	0.006	84	127252	7.50	7.00	
101 Dibenzofuran	168	7.102	7.102	0.000	93	472330	3.75	3.57	
102 2,4-Dinitrotoluene	165	7.114	7.113	0.001	87	123718	3.75	3.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.184	7.183	0.001	98	315289	3.75	3.69	
105 2,3,4,6-Tetrachlorophenol	232	7.230	7.230	0.000	74	105391	3.75	3.42	
106 2-Naphthylamine	143	7.260	7.259	0.001	94	328150	3.75	3.68	
107 Diethyl phthalate	149	7.353	7.353	0.000	96	401975	3.75	3.63	
108 Fluorene	166	7.423	7.423	0.000	92	374075	3.75	3.70	
109 Thionazin	107	7.423	7.423	0.000	56	73592	3.75	3.60	
110 4-Chlorophenyl phenyl ether	204	7.441	7.440	0.001	94	189956	3.75	3.49	
111 N-Nitro-o-toluidine	152	7.452	7.458	-0.006	89	104751	3.75	3.72	
112 4-Nitroaniline	138	7.470	7.470	0.000	78	76988	3.75	3.52	
113 4,6-Dinitro-2-methylphenol	198	7.493	7.499	-0.006	70	132807	7.50	7.18	
114 N-Nitrosodiphenylamine	169	7.551	7.557	-0.006	67	262773	3.19	3.38	
115 1,2-Diphenylhydrazine	77	7.587	7.586	0.000	98	549772	3.75	3.61	
$ 116 2,4,6-Tribromophenol	330	7.657	7.656	0.001	91	135382	7.50	7.38	
117 Sulfotepp	97	7.727	7.726	0.001	75	96899	3.75	3.68	
120 cis-Diallate	86	7.832	7.832	0.000	98	141676	2.78	2.75	
119 Phorate	75	7.843	7.843	0.000	93	492626	3.75	3.81	
118 1,3,5-Trinitrobenzene	213	7.843	7.849	-0.006	70	36555	3.75	3.80	
121 Phenacetin	108	7.867	7.872	-0.005	90	215574	3.75	3.70	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	69	117589	3.75	3.91	
123 trans-Diallate	86	7.914	7.913	0.001	97	49923	0.9750	0.9440	
124 Hexachlorobenzene	284	7.943	7.942	0.001	93	134790	3.75	3.75	
125 Dimethoate	87	8.001	8.007	-0.006	95	190026	3.75	3.86	
126 Atrazine	200	8.083	8.083	0.000	87	113262	3.75	3.79	
127 Pentachlorophenol	266	8.141	8.147	-0.006	91	167498	7.50	7.56	
129 4-Aminobiphenyl	169	8.147	8.147	0.000	92	398031	3.75	3.77	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	57	67011	3.75	3.73	
130 Pronamide	173	8.223	8.223	0.000	89	194162	3.75	3.88	
* 131 Phenanthrene-d10	188	8.305	8.310	-0.005	98	668905	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	98	548354	3.75	3.71	
133 Dinoseb	211	8.334	8.334	0.000	83	96935	3.75	3.53	
134 Disulfoton	88	8.340	8.340	0.000	97	309470	3.75	3.91	
135 Anthracene	178	8.381	8.380	0.001	99	557040	3.75	3.84	
136 Carbazole	167	8.550	8.550	0.000	96	498947	3.75	3.85	
137 Methyl parathion	109	8.690	8.696	-0.006	89	144074	3.75	3.90	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	99	566448	3.75	3.72	
139 Ethyl Parathion	109	9.070	9.069	0.001	80	82994	3.75	3.94	
140 4-Nitroquinoline-1-oxide	190	9.081	9.081	0.000	77	41295	3.75	3.23	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	56405	3.75	4.12	
143 Isodrin	193	9.309	9.309	0.000	91	74964	3.75	3.47	
144 Fluoranthene	202	9.455	9.455	0.000	98	631104	3.75	3.88	
145 Benzidine	184	9.613	9.612	0.001	99	1136629	11.3	12.0	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	720496	5.00	5.00	
S 68 Diallate	86				0		3.75	3.70	
147 Pyrene	202	9.665	9.665	0.000	97	670840	3.75	3.81	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	100	748028	7.50	7.69	
149 p-Dimethylamino azobenzene	225	9.981	9.980	0.001	92	85665	3.75	3.73	
150 Chlorobenzilate	139	10.033	10.033	0.000	89	181108	3.75	3.85	
152 3,3'-Dimethylbenzidine	212	10.308	10.307	0.001	99	331598	3.75	4.06	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	238649	3.75	3.74	
155 2-Acetylaminofluorene	181	10.559	10.564	-0.005	93	180030	3.75	3.31	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	519801	3.75	3.73	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	76	191731	3.75	3.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	95	99967	3.75	3.68	
159 Chrysene	228	10.903	10.909	-0.006	97	518182	3.75	3.83	
160 Bis(2-ethylhexyl) phthalate	149	10.973	10.979	-0.006	95	322622	3.75	3.78	
S 94 Isosafrole	162				0		3.75	3.62	
161 6-Methylchrysene	242	11.429	11.428	0.001	98	314153	3.75	3.64	
162 Di-n-octyl phthalate	149	11.761	11.767	-0.006	99	493662	3.75	3.55	
163 7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	70	192308	3.75	3.74	
164 Benzo[b]fluoranthene	252	12.147	12.147	0.000	96	487701	3.75	3.75	
165 Benzo[k]fluoranthene	252	12.182	12.182	0.000	99	481575	3.75	3.58	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	448774	3.75	3.61	
* 167 Perylene-d12	264	12.643	12.643	0.000	99	535203	5.00	5.00	
168 3-Methylcholanthrene	268	13.058	13.057	0.001	91	206346	3.75	3.70	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	334484	3.75	3.53	
170 Dibenz[a,j]acridine	279	13.875	13.875	0.000	96	354304	3.75	3.70	
171 Indeno[1,2,3-cd]pyrene	276	14.097	14.103	-0.006	99	424163	3.75	3.71	
172 Dibenz(a,h)anthracene	278	14.144	14.144	0.000	92	420197	3.75	3.90	
173 Benzo[g,h,i]perylene	276	14.453	14.453	0.000	98	423921	3.75	3.64	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_4_00041 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:31:23 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2555.D

Injection Date: 26-Jun-2025 00:34:30 Instrument ID: HP23264 Operator ID: IR93211

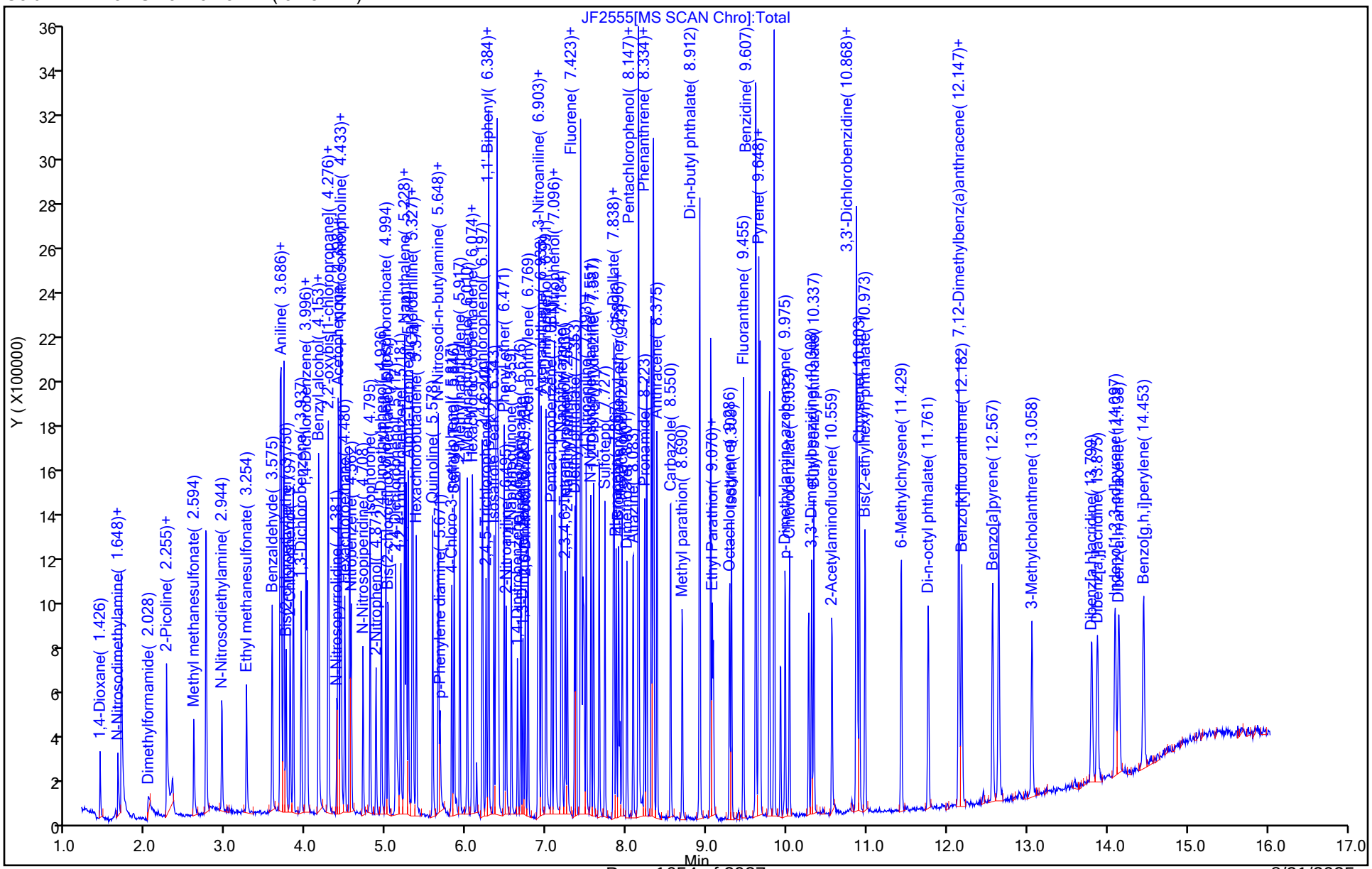
Lims ID: IC L4 Worklist Smp#: 6

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

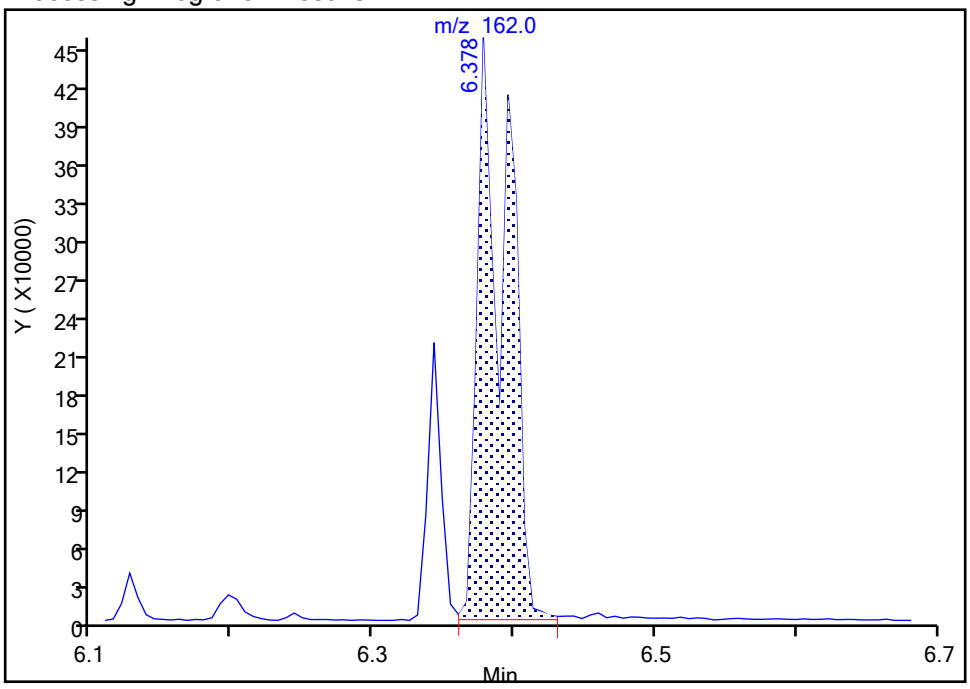
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Injection Date:	26-Jun-2025 00:34:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

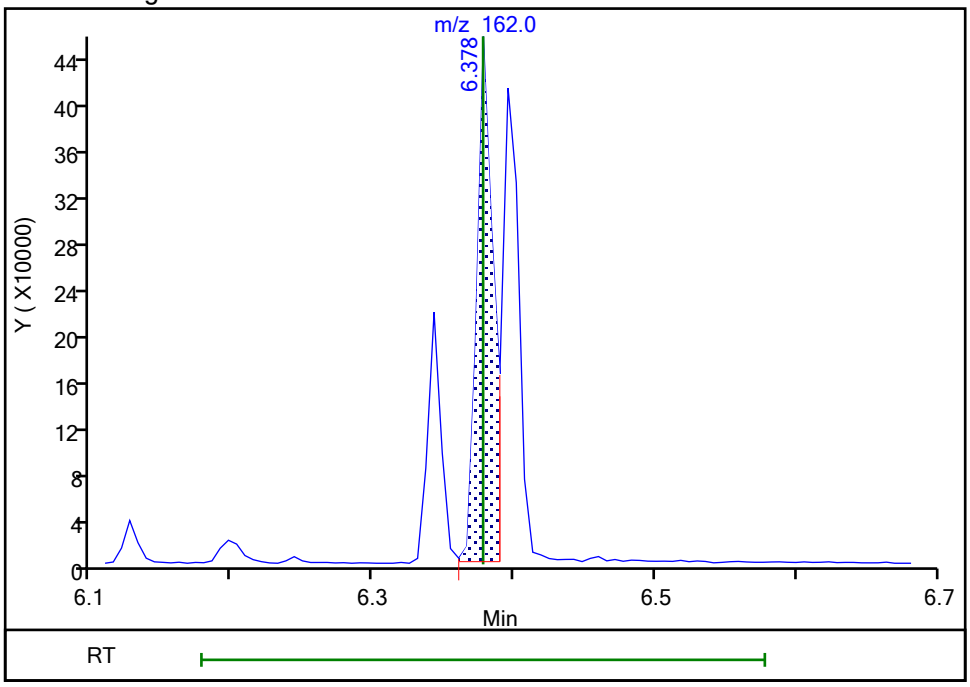
Processing Integration Results

RT: 6.38
Area: 674095
Amount: 5.035806
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 356527
Amount: 3.853517
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:43:57 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

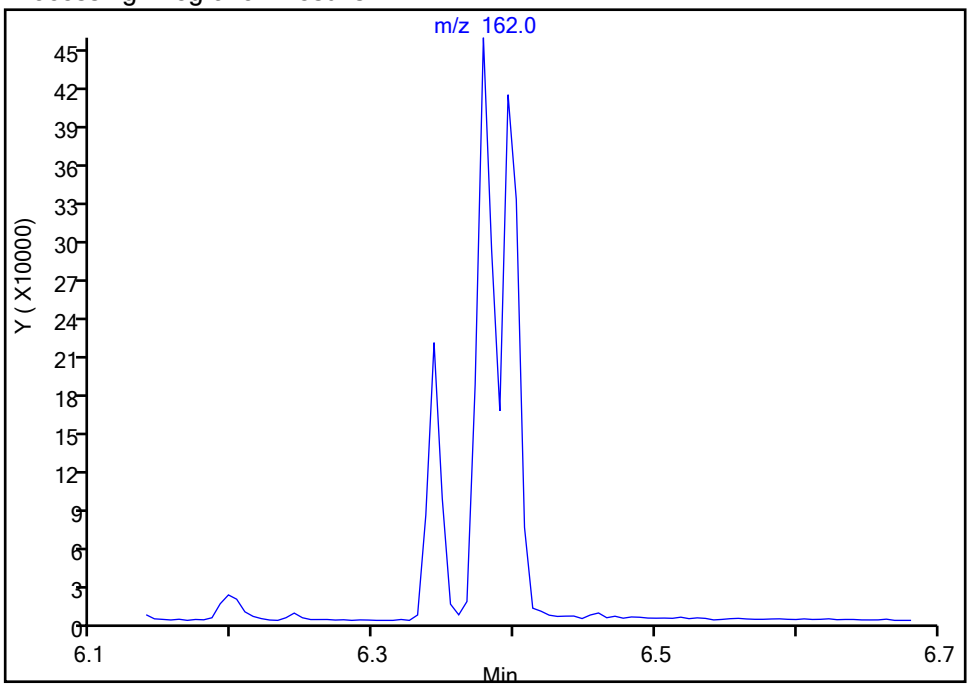
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Injection Date:	26-Jun-2025 00:34:30	Instrument ID:	HP23264		
Lims ID:	IC L4				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

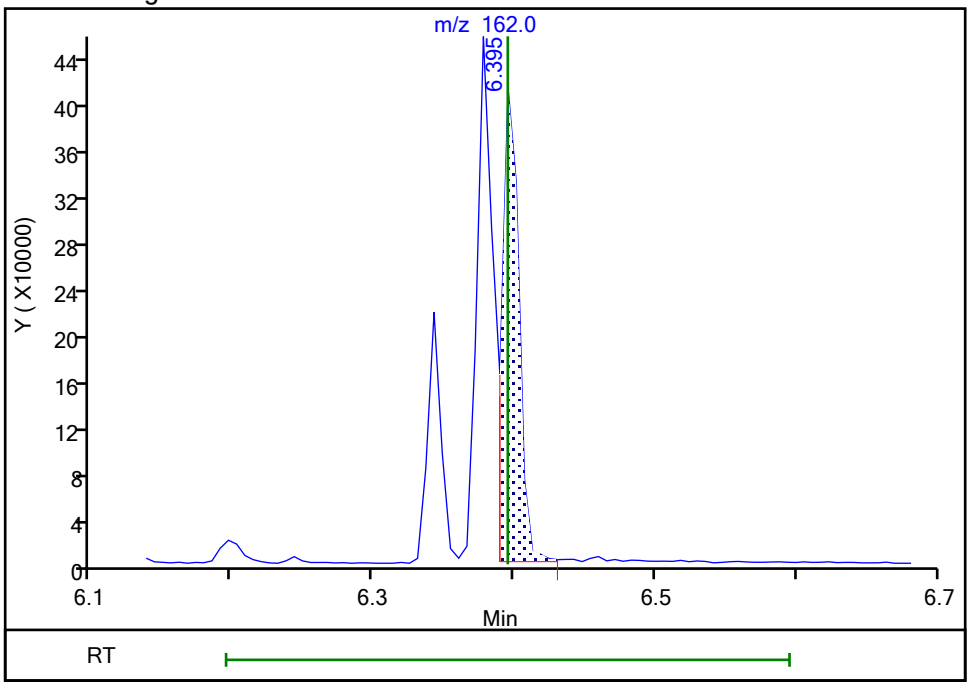
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 317570
Amount: 3.356860
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:44:03 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2556.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Jun-2025 00:56:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L3
Misc. Info.: 410-0151575-007
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:31:49 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:46:16

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.432	1.426	0.006	91	29796	1.25	1.54	
	2 N-Nitrosodimethylamine	74	1.660	1.648	0.012	90	42478	1.25	1.31	
	3 Pyridine	79	1.707	1.683	0.024	96	133394	2.50	2.30	
	4 Dimethylformamide	73	2.127	1.998	0.129	68	39713	1.25	1.05	M
	5 2-Picoline	93	2.267	2.249	0.018	88	66759	1.25	1.32	
	6 N-Nitrosomethylethylamine	88	2.343	2.325	0.018	57	31059	1.25	1.32	
	7 Methyl methanesulfonate	80	2.600	2.594	0.006	87	44176	1.25	1.20	
$	9 2-Fluorophenol	112	2.752	2.752	0.000	96	94518	2.50	2.43	
	11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	89	27168	1.25	1.16	
	12 Ethyl methanesulfonate	109	3.260	3.254	0.006	91	28602	1.25	1.26	
	13 Benzaldehyde	77	3.575	3.575	0.000	87	75276	1.25	1.51	
$	15 Phenol-d5	99	3.674	3.674	0.000	95	141858	2.50	2.43	
	17 Aniline	93	3.686	3.686	0.000	90	94107	1.25	1.25	
	16 Phenol	94	3.686	3.686	0.000	81	85238	1.25	1.25	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	85	61396	1.25	1.25	
	19 2-Chlorophenol	128	3.803	3.797	0.006	87	44454	1.25	1.15	
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	57197	1.25	1.26	
*	22 1,4-Dichlorobenzene-d4	152	3.996	3.995	0.001	95	159383	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	94	54889	1.25	1.19	
	26 Benzyl alcohol	108	4.153	4.153	0.000	82	33593	1.25	1.13	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	93	56394	1.25	1.30	
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	83	107946	1.25	1.20	
	29 2-Methylphenol	108	4.276	4.276	0.000	82	50746	1.25	1.16	
	31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	89	33489	1.25	1.29	
	32 Acetophenone	105	4.398	4.398	0.000	92	93211	1.25	1.31	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	76	61578	1.25	1.33	
	35 N-Nitrosomorpholine	56	4.428	4.427	0.001	84	47467	1.25	1.29	
	34 4-Methylphenol	108	4.433	4.433	0.000	81	61168	1.25	1.31	
	36 2-Toluidine	106	4.433	4.433	0.000	84	93691	1.25	1.26	
	37 Hexachloroethane	117	4.480	4.480	0.000	89	26646	1.25	1.19	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	89	151774	2.50	2.37	
40 Nitrobenzene	77	4.562	4.562	0.000	88	84359	1.25	1.26	
41 N-Nitrosopiperidine	114	4.708	4.708	0.000	80	29253	1.25	1.32	
42 Isophorone	82	4.796	4.795	0.001	98	144051	1.25	1.25	
43 2-Nitrophenol	139	4.871	4.871	0.000	87	24216	1.25	1.25	
44 2,4-Dimethylphenol	107	4.941	4.935	0.006	94	57106	1.25	1.20	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	92	28154	1.25	1.32	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	91	86193	1.25	1.30	
49 2,4-Dichlorophenol	162	5.117	5.116	0.001	97	41565	1.25	1.17	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	91	56729	1.25	1.31	
* 52 Naphthalene-d8	136	5.228	5.227	0.001	99	537582	5.00	5.00	
53 Naphthalene	128	5.245	5.251	-0.006	97	144663	1.25	1.25	
55 Alpha-Terpineol	59	5.274	5.274	0.000	89	66471	1.25	1.21	
56 4-Chloroaniline	127	5.327	5.321	0.006	77	54901	1.25	1.21	
57 2,6-Dichlorophenol	162	5.327	5.327	0.000	84	47336	1.25	1.30	
58 Hexachloropropene	213	5.333	5.332	0.001	95	46245	1.25	1.33	
59 Hexachlorobutadiene	225	5.374	5.373	0.001	92	33611	1.25	1.23	
61 Quinoline	129	5.578	5.578	0.000	92	104396	1.25	1.39	
63 N-Nitrosodi-n-butylamine	84	5.648	5.654	-0.006	85	72240	1.25	1.42	
62 Caprolactam	113	5.648	5.654	-0.006	49	13100	1.25	1.24	
64 p-Phenylene diamine	108	5.677	5.671	0.006	84	33220	1.25	0.8931	
65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	52377	1.25	1.16	
66 Safrole, Total	162	5.847	5.846	0.001	82	41248	1.25	1.32	
67 2-Methylnaphthalene	142	5.917	5.916	0.001	89	88451	1.25	1.31	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	92165	1.25	1.25	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	92	40526	1.25	1.13	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	95	63463	1.25	1.25	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	81	7645	0.2000	0.1958	
79 2,4,6-Trichlorophenol	196	6.203	6.202	0.001	94	32379	1.25	1.15	
80 2,4,5-Trichlorophenol	196	6.244	6.243	0.001	92	39822	1.25	1.27	
$ 81 2-Fluorobiphenyl (Surr)	172	6.279	6.278	0.001	99	244757	2.50	2.53	
82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	42193	1.05	1.00	
83 1,1'-Biphenyl	154	6.366	6.366	0.000	98	122644	1.25	1.25	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	95	107870	1.25	1.32	M
85 1-Chloronaphthalene	162	6.395	6.395	0.000	98	105047	1.25	1.26	Ma
86 Phenyl ether	170	6.471	6.471	0.000	88	80146	1.25	1.31	
87 2-Nitroaniline	138	6.495	6.494	0.001	71	27349	1.25	1.18	
S 24 Dinitrotoluene	165				0		2.50	2.46	
88 1,4-Naphthoquinone	158	6.559	6.559	0.000	73	38861	1.25	1.26	
89 1,4-Dinitrobenzene	168	6.641	6.635	0.006	84	14681	1.25	1.21	
90 Dimethyl phthalate	163	6.676	6.681	-0.005	95	122514	1.25	1.25	
91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	83	16959	1.25	1.32	
92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	82	26221	1.25	1.25	
93 Acenaphthylene	152	6.769	6.769	0.000	98	160936	1.25	1.25	
95 3-Nitroaniline	138	6.892	6.891	0.001	87	24094	1.25	1.20	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	95	340712	5.00	5.00	
97 Acenaphthene	153	6.933	6.932	0.001	97	101007	1.25	1.20	
98 2,4-Dinitrophenol	184	6.991	6.991	0.000	72	54431	5.00	4.00	
99 Pentachlorobenzene	250	7.061	7.061	0.000	97	55950	1.25	1.33	
100 4-Nitrophenol	109	7.096	7.090	0.006	88	59865	3.75	3.72	
101 Dibenzofuran	168	7.102	7.102	0.000	95	145769	1.25	1.25	
102 2,4-Dinitrotoluene	165	7.114	7.113	0.001	84	34734	1.25	1.21	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.184	7.183	0.001	95	93041	1.25	1.23	
105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	72	32906	1.25	1.21	
106 2-Naphthylamine	143	7.260	7.259	0.001	94	103403	1.25	1.31	
107 Diethyl phthalate	149	7.353	7.353	0.000	96	124287	1.25	1.27	
108 Fluorene	166	7.423	7.423	0.000	89	111367	1.25	1.25	
109 Thionazin	107	7.423	7.423	0.000	56	20096	1.25	1.11	
110 4-Chlorophenyl phenyl ether	204	7.441	7.440	0.001	91	55193	1.25	1.15	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	86	29248	1.25	1.17	
112 4-Nitroaniline	138	7.470	7.470	0.000	78	22669	1.25	1.17	
113 4,6-Dinitro-2-methylphenol	198	7.493	7.499	-0.006	71	61487	3.75	3.45	
114 N-Nitrosodiphenylamine	169	7.552	7.557	-0.005	66	74855	1.06	1.00	
115 1,2-Diphenylhydrazine	77	7.587	7.586	0.001	98	173660	1.25	1.18	
$ 116 2,4,6-Tribromophenol	330	7.657	7.656	0.001	91	37809	2.50	2.33	
117 Sulfotepp	97	7.727	7.726	0.001	73	29230	1.25	1.15	
120 cis-Diallate	86	7.832	7.832	0.000	93	50566	0.9250	1.02	
119 Phorate	75	7.843	7.843	0.000	92	151056	1.25	1.21	
118 1,3,5-Trinitrobenzene	213	7.843	7.849	-0.006	69	9498	1.25	1.02	
121 Phenacetin	108	7.867	7.872	-0.005	90	60472	1.25	1.08	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	69	34690	1.25	1.20	
123 trans-Diallate	86	7.914	7.913	0.001	94	17548	0.3250	0.3443	
124 Hexachlorobenzene	284	7.943	7.942	0.001	95	43855	1.25	1.27	
125 Dimethoate	87	8.001	8.007	-0.006	95	55588	1.25	1.17	
126 Atrazine	200	8.077	8.083	-0.006	84	33706	1.25	1.17	
127 Pentachlorophenol	266	8.147	8.147	0.000	91	47250	2.50	2.21	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	92	119010	1.25	1.17	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	53	23654	1.25	1.36	
130 Pronamide	173	8.223	8.223	0.000	89	57747	1.25	1.20	
* 131 Phenanthrene-d10	188	8.305	8.310	-0.005	98	644669	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	98	167118	1.25	1.17	
133 Dinoseb	211	8.334	8.334	0.000	68	25127	1.25	0.9502	
134 Disulfoton	88	8.340	8.340	0.000	96	96186	1.25	1.26	
135 Anthracene	178	8.381	8.380	0.001	98	170712	1.25	1.22	
136 Carbazole	167	8.550	8.550	0.000	95	151262	1.25	1.21	
137 Methyl parathion	109	8.696	8.696	0.000	88	44421	1.25	1.25	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	99	170329	1.25	1.16	
139 Ethyl Parathion	109	9.070	9.069	0.001	79	24203	1.25	1.19	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	79	11831	1.25	0.9594	
142 Octachlorostyrene	308	9.286	9.285	0.001	87	17681	1.25	1.34	
143 Isodrin	193	9.309	9.309	0.000	91	28574	1.25	1.37	
144 Fluoranthene	202	9.455	9.455	0.000	98	188522	1.25	1.20	
145 Benzidine	184	9.613	9.612	0.001	99	312901	3.75	3.39	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	705136	5.00	5.00	
S 68 Diallate	86				0		1.25	1.36	
147 Pyrene	202	9.665	9.665	0.000	98	208428	1.25	1.21	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	99	226110	2.50	2.38	
149 p-Dimethylamino azobenzene	225	9.981	9.980	0.001	91	23944	1.25	1.07	
150 Chlorobenzilate	139	10.033	10.033	0.000	84	56971	1.25	1.24	
152 3,3'-Dimethylbenzidine	212	10.308	10.307	0.001	98	87430	1.25	1.09	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	90	65844	1.25	1.05	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	94	47860	1.25	0.9001	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	151759	1.25	1.11	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	72	57135	1.25	1.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	91	28820	1.25	1.09	
159 Chrysene	228	10.903	10.909	-0.006	97	158326	1.25	1.20	
160 Bis(2-ethylhexyl) phthalate	149	10.973	10.979	-0.006	93	88080	1.25	1.06	
S 94 Isosafrole	162				0		1.25	1.20	
161 6-Methylchrysene	242	11.429	11.428	0.001	97	104408	1.25	1.24	
162 Di-n-octyl phthalate	149	11.761	11.767	-0.006	98	132822	1.25	1.02	
163 7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	68	55861	1.25	1.17	
164 Benzo[b]fluoranthene	252	12.147	12.147	0.000	97	145635	1.25	1.20	
165 Benzo[k]fluoranthene	252	12.182	12.182	0.000	99	150711	1.25	1.20	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	133126	1.25	1.15	
* 167 Perylene-d12	264	12.643	12.643	0.000	99	499058	5.00	5.00	
168 3-Methylcholanthrene	268	13.058	13.057	0.001	89	56713	1.25	1.09	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	107644	1.25	1.22	
170 Dibenz[a,j]acridine	279	13.875	13.875	0.000	96	100408	1.25	1.13	
171 Indeno[1,2,3-cd]pyrene	276	14.097	14.103	-0.006	98	117430	1.25	1.10	
172 Dibenz(a,h)anthracene	278	14.144	14.144	0.000	91	117897	1.25	1.17	
173 Benzo[g,h,i]perylene	276	14.453	14.453	0.000	98	128097	1.25	1.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_3_00042 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:31:50 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2556.D

Injection Date: 26-Jun-2025 00:56:30 Instrument ID: HP23264 Operator ID: IR93211

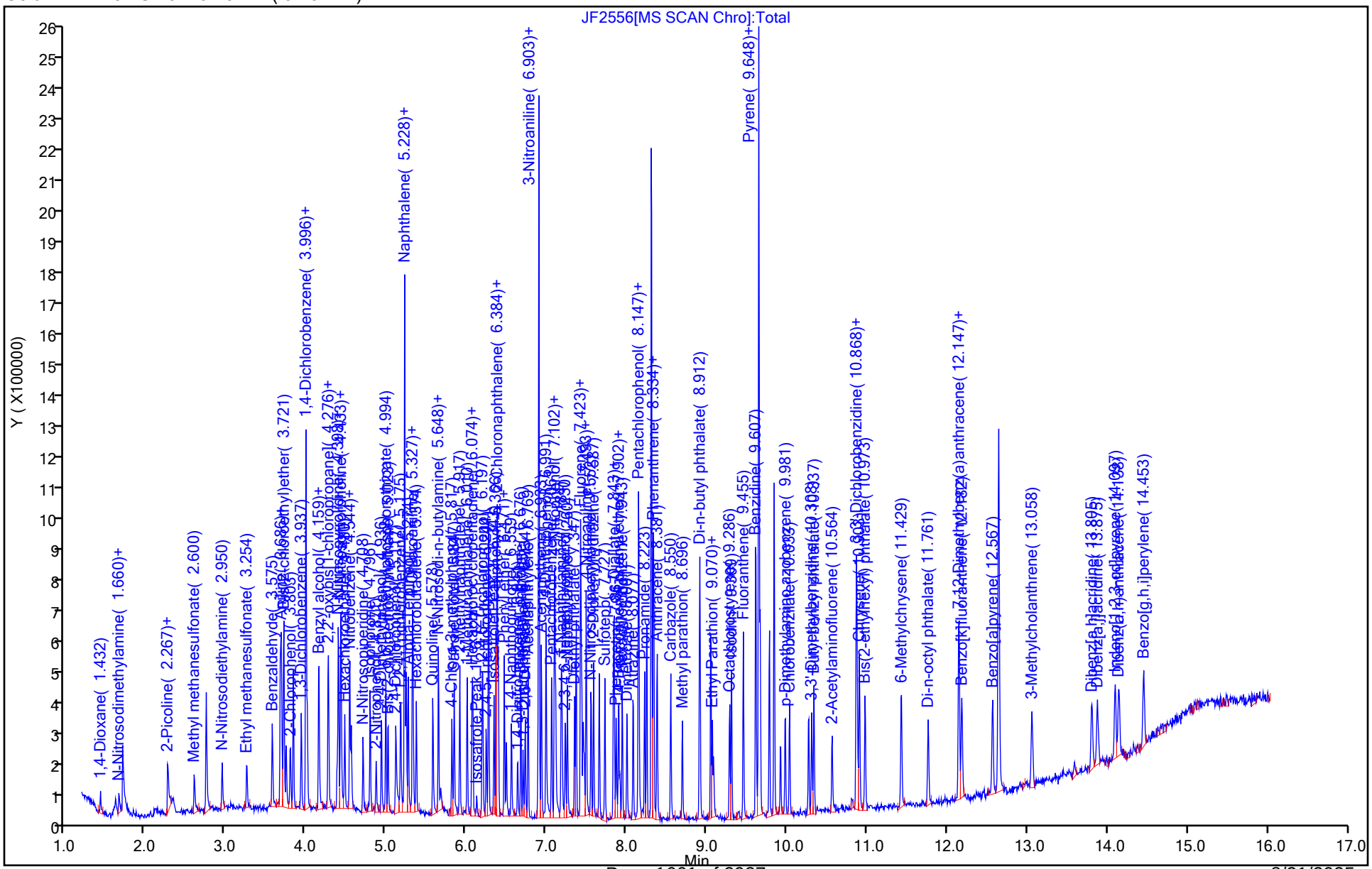
Lims ID: IC L3 Worklist Smp#: 7

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

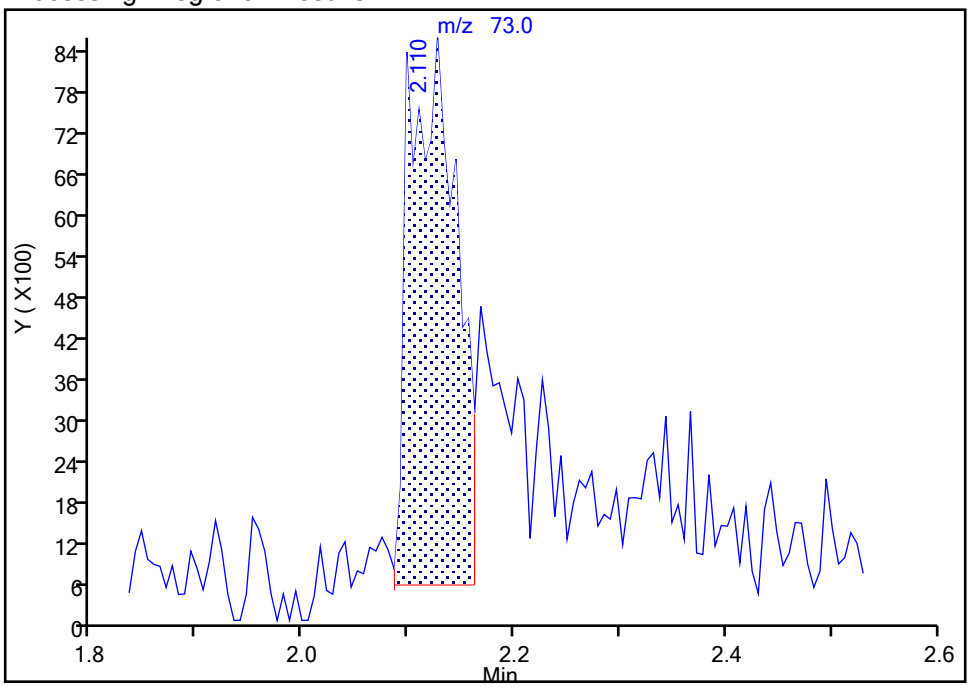
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2556.D				
Injection Date:	26-Jun-2025 00:56:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

4 Dimethylformamide, CAS: 68-12-2

Signal: 1

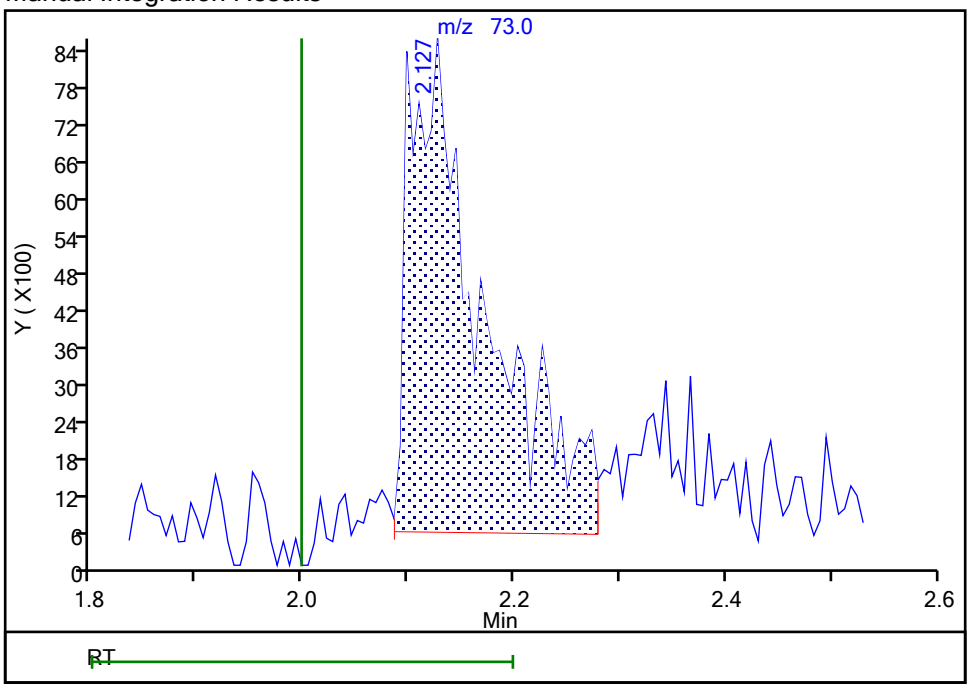
Processing Integration Results

RT: 2.11
Area: 24591
Amount: 0.876476
Amount Units: ug/ml



Manual Integration Results

RT: 2.13
Area: 39713
Amount: 1.053840
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:45:25 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

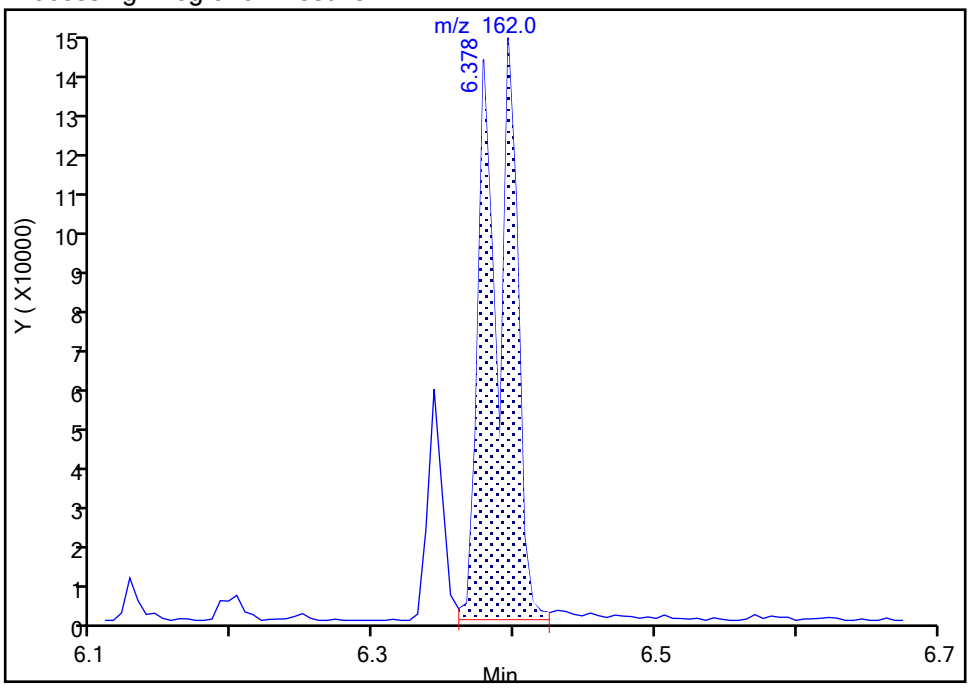
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Injection Date:	26-Jun-2025 00:56:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

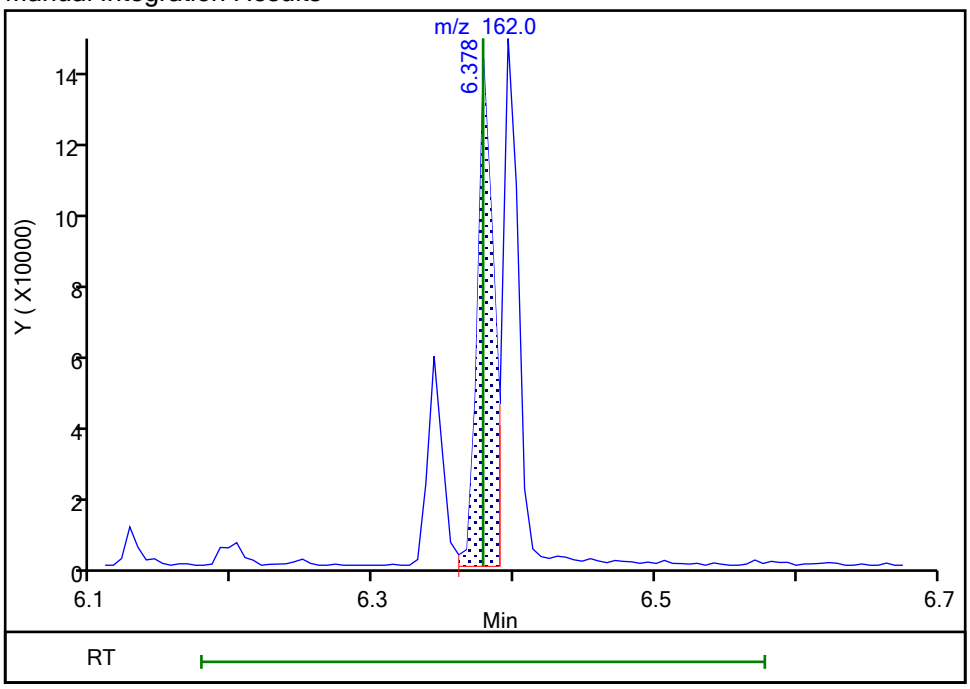
Processing Integration Results

RT: 6.38
Area: 212917
Amount: 1.977359
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 107870
Amount: 1.318422
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:45:43 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

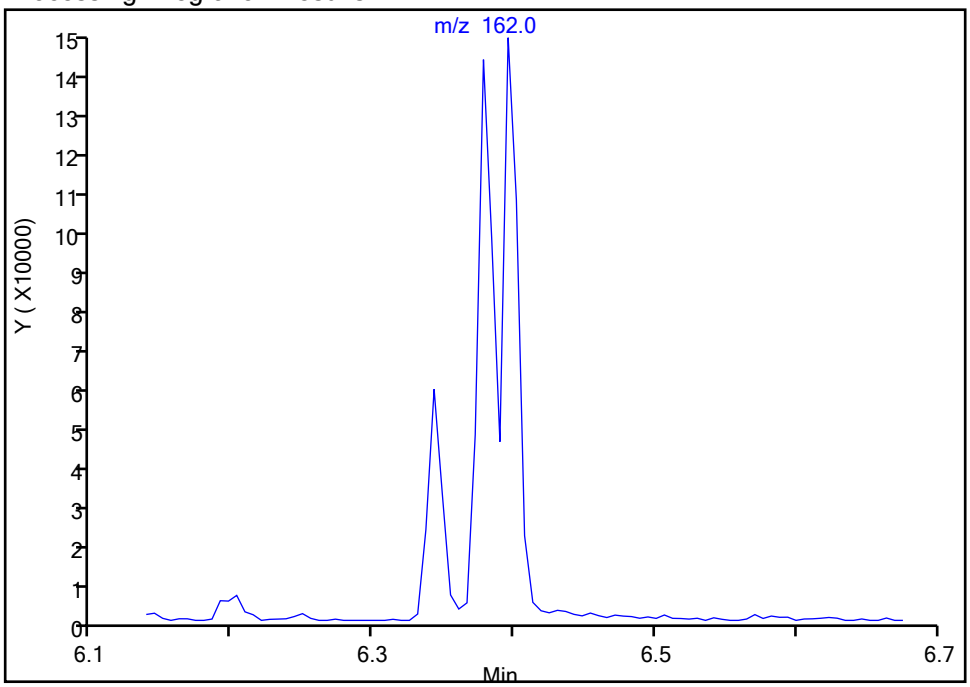
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Injection Date:	26-Jun-2025 00:56:30	Instrument ID:	HP23264		
Lims ID:	IC L3				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

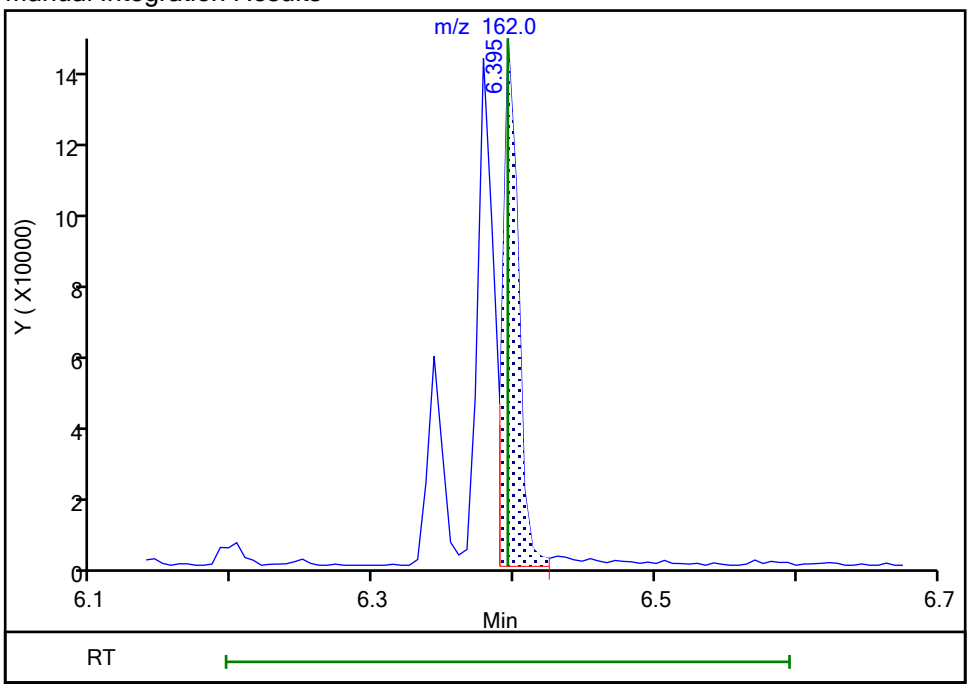
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 105047
Amount: 1.255644
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:45:50 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Jun-2025 01:17:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L2
Misc. Info.: 410-0151575-008
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:13 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:49:22

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.438	1.426	0.012	77	19536	0.2500	0.99	
	2 N-Nitrosodimethylamine	74	1.683	1.648	0.035	79	7643	0.2500	0.2314	
	3 Pyridine	79	1.741	1.683	0.058	93	28172	0.5000	0.4771	
	4 Dimethylformamide	73	2.022	1.998	0.024	7	3567	0.2500	0.0931	
	5 2-Picoline	93	2.296	2.249	0.047	35	10997	0.2500	0.2145	
	6 N-Nitrosomethylethylamine	88	2.308	2.325	-0.017	39	11916	0.2500	0.4971	
	7 Methyl methanesulfonate	80	2.612	2.594	0.018	72	8929	0.2500	0.2378	
$	9 2-Fluorophenol	112	2.757	2.752	0.005	89	18054	0.5000	0.4565	
	11 N-Nitrosodiethylamine	102	2.956	2.944	0.012	77	6407	0.2500	0.2683	
	12 Ethyl methanesulfonate	109	3.265	3.254	0.011	68	5697	0.2500	0.2475	
	13 Benzaldehyde	77	3.581	3.575	0.006	60	11511	0.2500	0.2274	
$	15 Phenol-d5	99	3.680	3.674	0.006	92	22521	0.5000	0.3801	
	17 Aniline	93	3.692	3.686	0.006	65	16793	0.2500	0.2195	
	16 Phenol	94	3.698	3.686	0.012	62	16197	0.2500	0.2328	
	18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	59	11925	0.2500	0.2380	
	19 2-Chlorophenol	128	3.803	3.797	0.006	86	11009	0.2500	0.2810	
	21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	85	10795	0.2500	0.2333	
*	22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	96	161976	5.00	5.00	
	23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	34	12840	0.2500	0.2736	a
	26 Benzyl alcohol	108	4.165	4.153	0.012	73	7459	0.2500	0.2478	
	27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	84	10457	0.2500	0.2377	a
	30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	84	24209	0.2500	0.2640	
	29 2-Methylphenol	108	4.276	4.276	0.000	72	11552	0.2500	0.2599	
	31 N-Nitrosopyrrolidine	100	4.392	4.387	0.005	57	6080	0.2500	0.2300	
	32 Acetophenone	105	4.398	4.398	0.000	70	18961	0.2500	0.2627	
	33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	83	12336	0.2500	0.2619	
	35 N-Nitrosomorpholine	56	4.433	4.427	0.006	52	7564	0.2500	0.2027	
	34 4-Methylphenol	108	4.445	4.433	0.012	74	10181	0.2500	0.2147	
	36 2-Toluidine	106	4.433	4.433	0.000	92	18897	0.2500	0.2496	
	37 Hexachloroethane	117	4.480	4.480	0.000	83	5956	0.2500	0.2618	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	90	32487	0.5000	0.4855	
40 Nitrobenzene	77	4.568	4.562	0.006	79	19369	0.2500	0.2781	
41 N-Nitrosopiperidine	114	4.714	4.708	0.006	49	6069	0.2500	0.2634	
42 Isophorone	82	4.795	4.795	0.000	96	29770	0.2500	0.2476	
43 2-Nitrophenol	139	4.877	4.871	0.006	38	4321	0.2500	0.2139	a
44 2,4-Dimethylphenol	107	4.941	4.935	0.006	92	11488	0.2500	0.2310	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	80	5528	0.2500	0.2487	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	94	18304	0.2500	0.2655	
49 2,4-Dichlorophenol	162	5.128	5.116	0.012	91	9235	0.2500	0.2488	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	82	11934	0.2500	0.2631	
* 52 Naphthalene-d8	136	5.227	5.227	0.000	99	560899	5.00	5.00	
53 Naphthalene	128	5.245	5.251	-0.006	96	29023	0.2500	0.2413	
55 Alpha-Terpineol	59	5.274	5.274	0.000	85	15097	0.2500	0.2633	
56 4-Chloroaniline	127	5.332	5.321	0.011	72	8776	0.2500	0.1860	
57 2,6-Dichlorophenol	162	5.332	5.327	0.005	80	8381	0.2500	0.2201	
58 Hexachloropropene	213	5.332	5.332	0.000	95	8932	0.2500	0.2456	
59 Hexachlorobutadiene	225	5.373	5.373	0.000	89	8079	0.2500	0.2824	
61 Quinoline	129	5.584	5.578	0.006	86	15362	0.2500	0.1959	
63 N-Nitrosodi-n-butylamine	84	5.648	5.654	-0.006	89	19840	0.2500	0.3746	
62 Caprolactam	113	5.659	5.654	0.005	45	2965	0.2500	0.2696	
64 p-Phenylene diamine	108	5.765	5.671	0.094	1	2956	0.2500	0.0762	a
65 4-Chloro-3-methylphenol	107	5.823	5.817	0.006	85	10901	0.2500	0.2315	
66 Safrole, Total	162	5.846	5.846	0.000	73	7721	0.2500	0.2364	
67 2-Methylnaphthalene	142	5.916	5.916	0.000	89	16638	0.2500	0.2361	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	19297	0.2500	0.2501	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	91	7347	0.2500	0.2010	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	94	12110	0.2500	0.2348	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	1	1251	0.0400	0.0314	a
79 2,4,6-Trichlorophenol	196	6.208	6.202	0.006	73	6227	0.2500	0.2175	
80 2,4,5-Trichlorophenol	196	6.249	6.243	0.006	53	7085	0.2500	0.2218	
$ 81 2-Fluorobiphenyl (Surr)	172	6.278	6.278	0.000	99	48696	0.5000	0.4935	
82 Isosafrole Peak 2	162	6.343	6.343	0.000	83	8380	0.2100	0.1955	
83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	24046	0.2500	0.2399	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	49	19163	0.2500	0.2297	M
85 1-Chloronaphthalene	162	6.395	6.395	0.000	30	22286	0.2500	0.2612	Ma
86 Phenyl ether	170	6.471	6.471	0.000	87	13952	0.2500	0.2236	
87 2-Nitroaniline	138	6.506	6.494	0.012	42	4164	0.2500	0.1762	
S 24 Dinitrotoluene	165				0		0.5000	0.5033	
88 1,4-Naphthoquinone	158	6.565	6.559	0.006	74	7075	0.2500	0.2250	
89 1,4-Dinitrobenzene	168	6.646	6.635	0.011	33	2871	0.2500	0.2315	a
90 Dimethyl phthalate	163	6.681	6.681	0.000	93	23492	0.2500	0.2356	
91 1,3-Dinitrobenzene	168	6.711	6.705	0.005	30	2809	0.2500	0.2146	a
92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	79	5070	0.2500	0.2379	
93 Acenaphthylene	152	6.769	6.769	0.000	98	32460	0.2500	0.2467	
95 3-Nitroaniline	138	6.903	6.891	0.012	33	3861	0.2500	0.1882	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	96	347467	5.00	5.00	
97 Acenaphthene	153	6.932	6.932	0.000	97	22349	0.2500	0.2611	
98 2,4-Dinitrophenol	184	6.997	6.991	0.006	78	24247	2.50	1.75	
99 Pentachlorobenzene	250	7.061	7.061	0.000	94	10984	0.2500	0.2565	
100 4-Nitrophenol	109	7.108	7.090	0.018	80	18435	1.50	1.12	
101 Dibenzofuran	168	7.102	7.102	0.000	94	31266	0.2500	0.2622	
102 2,4-Dinitrotoluene	165	7.119	7.113	0.006	67	7774	0.2500	0.2654	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.183	7.183	0.000	96	19892	0.2500	0.2579	
105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	76	6365	0.2500	0.2293	
106 2-Naphthylamine	143	7.259	7.259	0.000	94	21619	0.2500	0.2685	
107 Diethyl phthalate	149	7.353	7.353	0.000	96	27815	0.2500	0.2785	
108 Fluorene	166	7.423	7.423	0.000	89	21947	0.2500	0.2409	
109 Thionazin	107	7.423	7.423	0.000	58	5523	0.2500	0.2995	
110 4-Chlorophenyl phenyl ether	204	7.435	7.440	-0.005	62	13516	0.2500	0.2757	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	89	4944	0.2500	0.1947	
112 4-Nitroaniline	138	7.481	7.470	0.011	37	4564	0.2500	0.2312	a
113 4,6-Dinitro-2-methylphenol	198	7.493	7.499	-0.006	64	21173	1.50	1.17	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	68	14102	0.2125	0.1850	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	95	39717	0.2500	0.2654	
$ 116 2,4,6-Tribromophenol	330	7.656	7.656	0.000	87	9134	0.5000	0.5524	
117 Sulfotepp	97	7.727	7.726	0.000	75	7036	0.2500	0.2723	
120 cis-Diallate	86	7.832	7.832	0.000	82	15190	0.1850	0.3005	
119 Phorate	75	7.837	7.843	-0.006	92	29838	0.2500	0.2348	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	64	2154	0.2500	0.2279	a
121 Phenacetin	108	7.878	7.872	0.006	78	8353	0.2500	0.1459	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	71	8286	0.2500	0.2807	
123 trans-Diallate	86	7.913	7.913	0.000	42	5835	0.0650	0.1124	a
124 Hexachlorobenzene	284	7.943	7.942	0.001	91	9539	0.2500	0.2702	
125 Dimethoate	87	8.007	8.007	0.000	94	10447	0.2500	0.2160	
126 Atrazine	200	8.083	8.083	0.000	83	7636	0.2500	0.2604	
127 Pentachlorophenol	266	8.147	8.147	0.000	88	22418	1.25	1.03	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	23907	0.2500	0.2309	
128 Pentachloronitrobenzene	237	8.147	8.153	-0.006	53	4714	0.2500	0.2670	
130 Pronamide	173	8.223	8.223	0.000	88	11365	0.2500	0.2314	
* 131 Phenanthrene-d10	188	8.305	8.310	-0.005	99	656733	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	97	38307	0.2500	0.2640	
133 Dinoseb	211	8.328	8.334	-0.006	65	3929	0.2500	0.1458	
134 Disulfoton	88	8.340	8.340	0.000	95	18043	0.2500	0.2320	
135 Anthracene	178	8.380	8.380	0.000	98	34116	0.2500	0.2396	
136 Carbazole	167	8.556	8.550	0.006	96	28880	0.2500	0.2267	
137 Methyl parathion	109	8.696	8.696	0.000	83	7324	0.2500	0.2022	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	97	34767	0.2500	0.2327	
139 Ethyl Parathion	109	9.069	9.069	0.000	77	4403	0.2500	0.2128	
140 4-Nitroquinoline-1-oxide	190	9.099	9.081	0.018	1	1674	0.2500	0.1333	a
142 Octachlorostyrene	308	9.286	9.285	0.001	79	2262	0.2500	0.1683	
143 Isodrin	193	9.309	9.309	0.000	87	6648	0.2500	0.3130	
144 Fluoranthene	202	9.455	9.455	0.000	97	36192	0.2500	0.2269	
145 Benzidine	184	9.613	9.612	0.000	99	51417	0.7500	0.5574	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	703775	5.00	5.00	
S 68 Diallate	86				0		0.2500	0.4129	
147 Pyrene	202	9.665	9.665	0.000	97	41497	0.2500	0.2413	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	99	45328	0.5000	0.4773	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	88	4124	0.2500	0.1840	
150 Chlorobenzilate	139	10.027	10.033	-0.006	85	9833	0.2500	0.2138	
152 3,3'-Dimethylbenzidine	212	10.313	10.307	0.006	96	18032	0.2500	0.2259	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	88	14753	0.2500	0.2366	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	92	9177	0.2500	0.1729	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	97	30175	0.2500	0.2219	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	60	10916	0.2500	0.2204	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	58	5460	0.2500	0.2060	
159 Chrysene	228	10.903	10.909	-0.006	97	34067	0.2500	0.2578	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	93	19430	0.2500	0.2333	
S 94 Isosafrole	162				0		0.2500	0.2269	
161 6-Methylchrysene	242	11.428	11.428	0.000	96	21108	0.2500	0.2506	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	98	30050	0.2500	0.2294	
163 7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	67	10467	0.2500	0.2162	
164 Benzo[b]fluoranthene	252	12.147	12.147	0.000	93	28927	0.2500	0.2357	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	91	29398	0.2500	0.2319	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	79	27308	0.2500	0.2330	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	504462	5.00	5.00	
168 3-Methylcholanthrene	268	13.058	13.057	0.001	88	13056	0.2500	0.2486	
169 Dibenz[a,h]acridine	279	13.817	13.805	0.012	90	23509	0.2500	0.2633	
170 Dibenz[a,j]acridine	279	13.875	13.875	0.000	48	19752	0.2500	0.2190	a
171 Indeno[1,2,3-cd]pyrene	276	14.097	14.103	-0.006	86	26735	0.2500	0.2484	
172 Dibenz(a,h)anthracene	278	14.144	14.144	0.000	7	21814	0.2500	0.2149	
173 Benzo[g,h,i]perylene	276	14.453	14.453	0.000	80	27435	0.2500	0.2499	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_2_00044 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:32:15 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D

Injection Date: 26-Jun-2025 01:17:30 Instrument ID: HP23264 Operator ID: IR93211

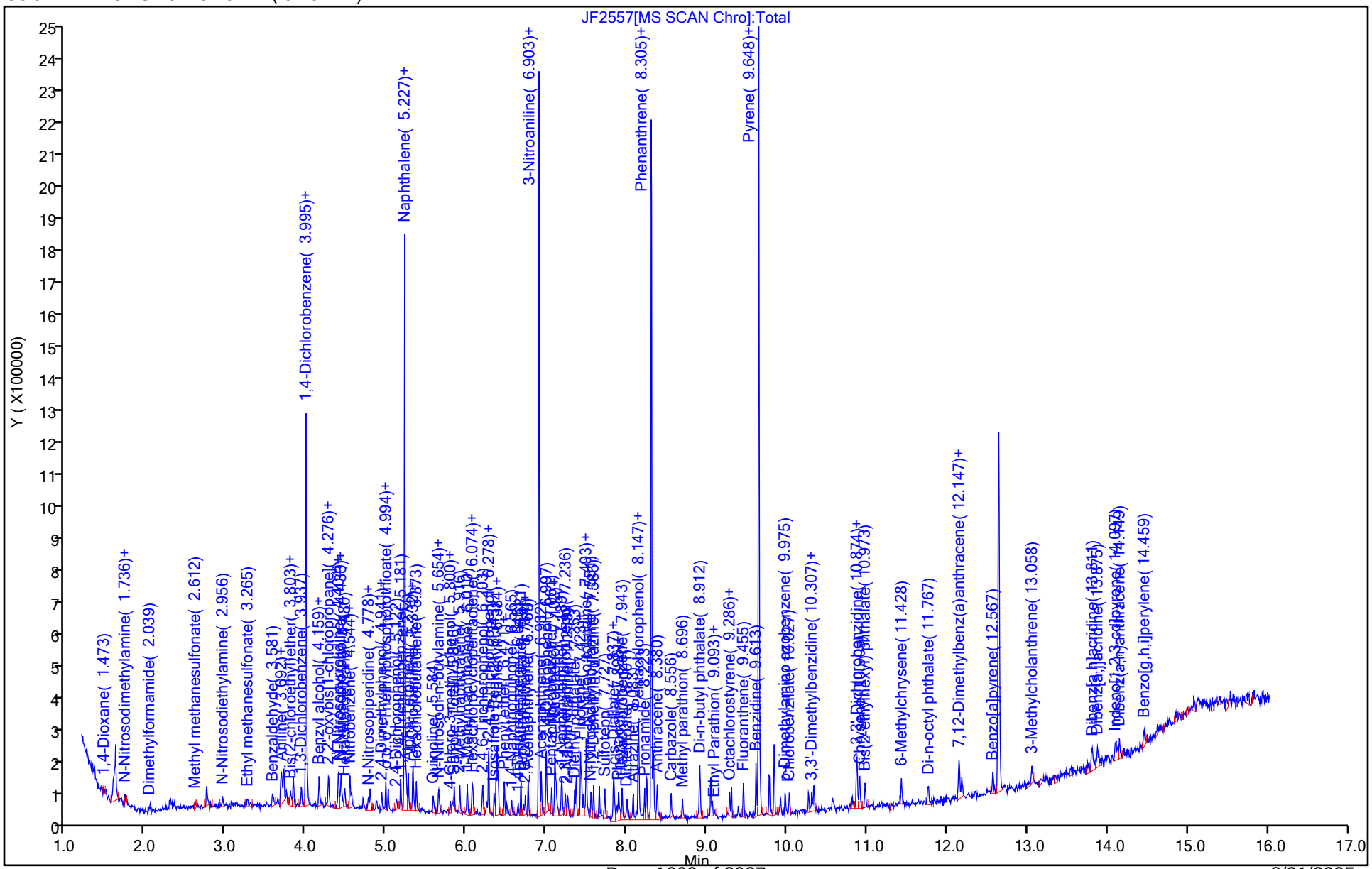
Lims ID: IC L2 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

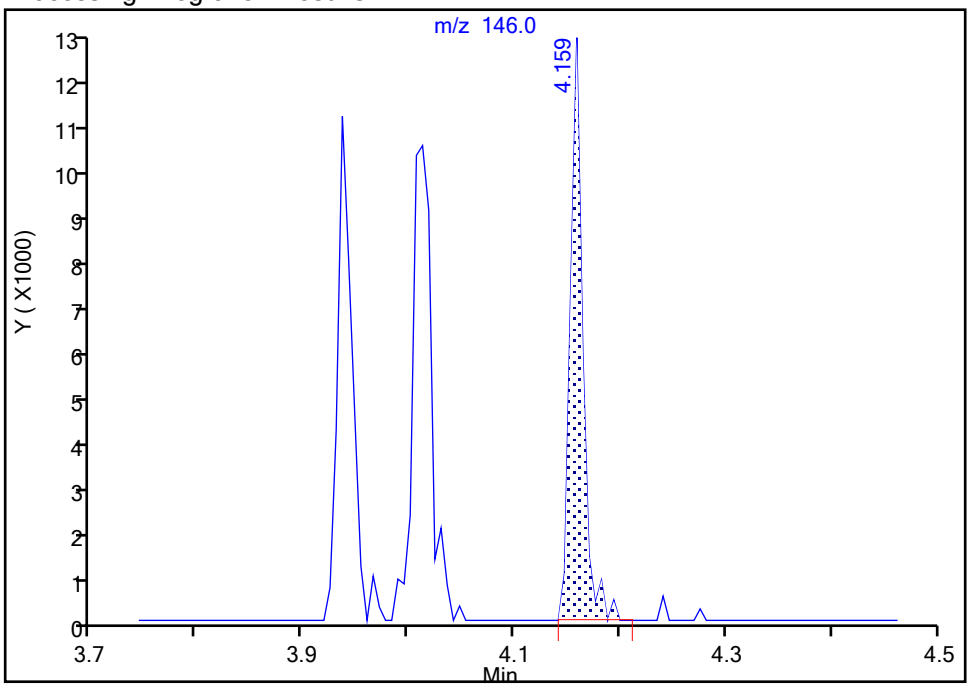
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Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

23 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

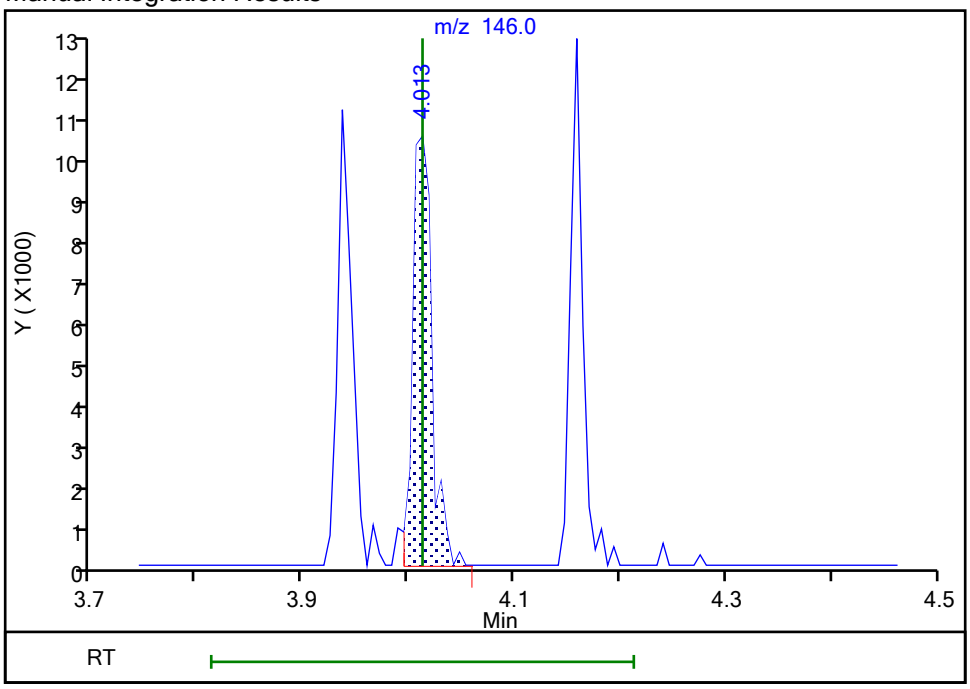
Processing Integration Results

RT: 4.16
Area: 10457
Amount: 0.227648
Amount Units: ug/ml



Manual Integration Results

RT: 4.01
Area: 12840
Amount: 0.273610
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

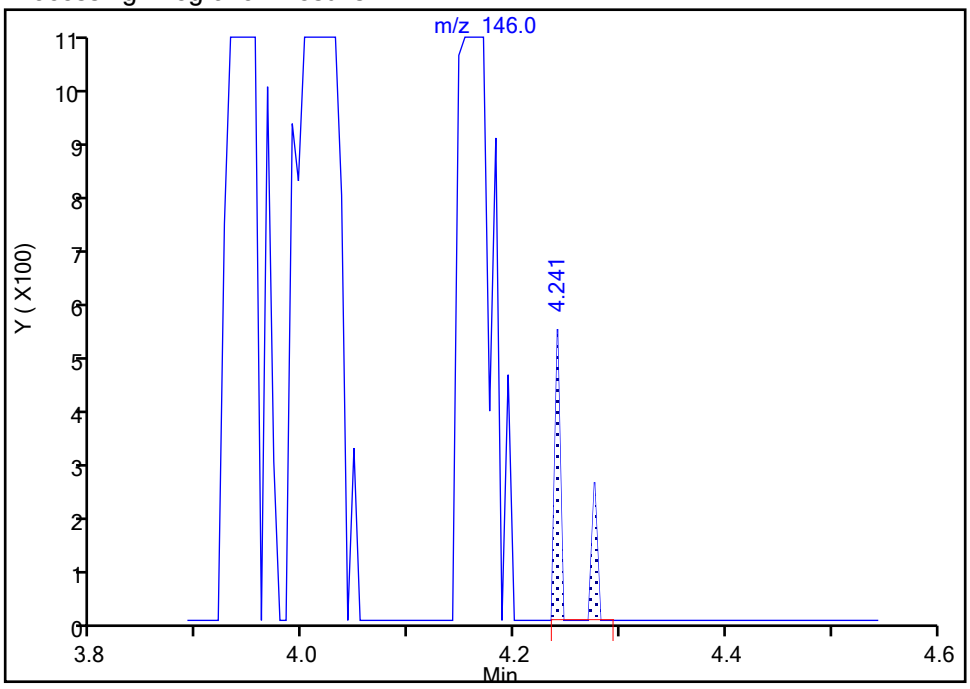
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Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

27 1,2-Dichlorobenzene, CAS: 95-50-1

Signal: 1

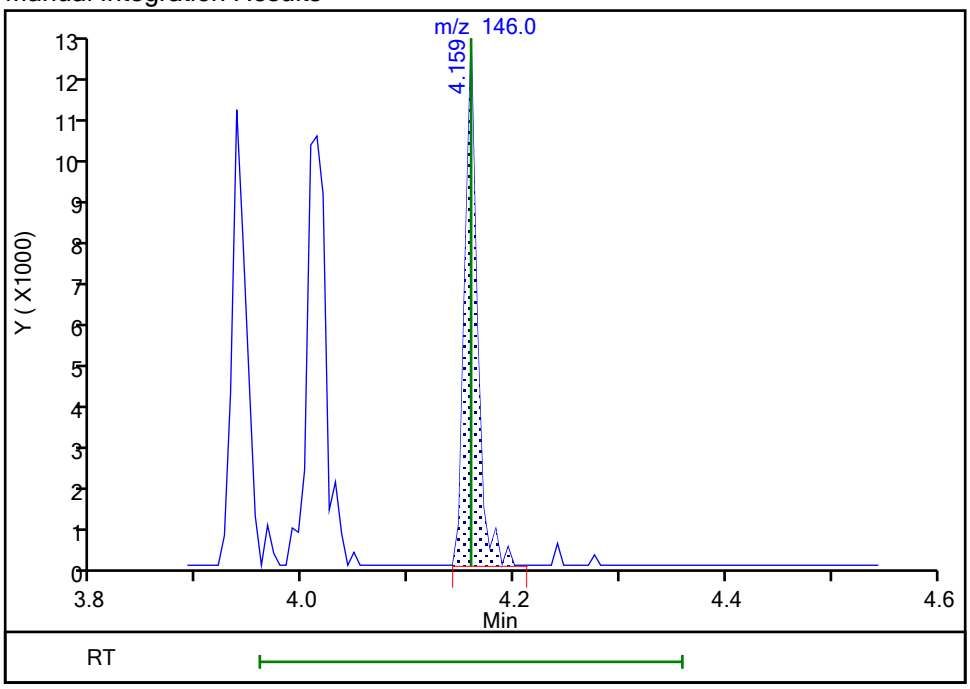
Processing Integration Results

RT: 4.24
Area: 273
Amount: 0.242352
Amount Units: ug/ml



Manual Integration Results

RT: 4.16
Area: 10457
Amount: 0.237672
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:00 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

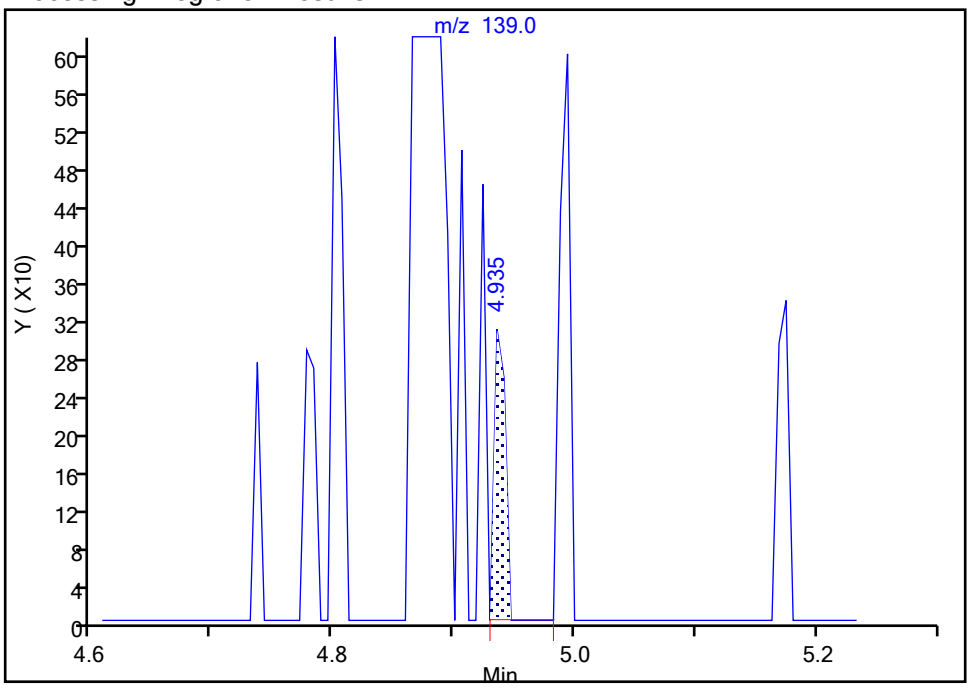
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Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

43 2-Nitrophenol, CAS: 88-75-5

Signal: 1

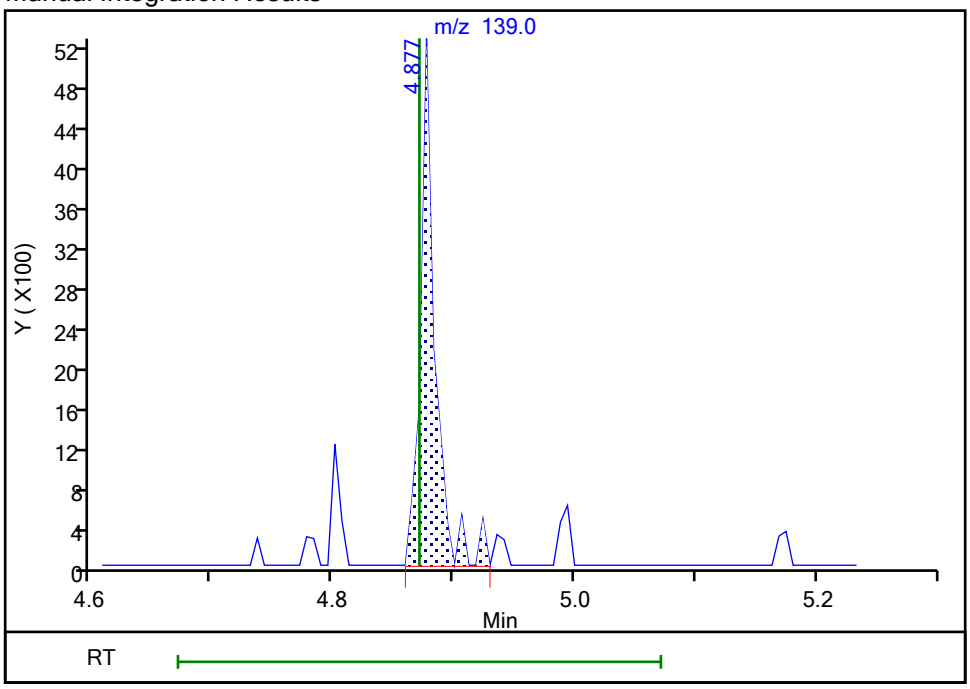
Processing Integration Results

RT: 4.94
Area: 196
Amount: 0.245717
Amount Units: ug/ml



Manual Integration Results

RT: 4.88
Area: 4321
Amount: 0.213874
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:15 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

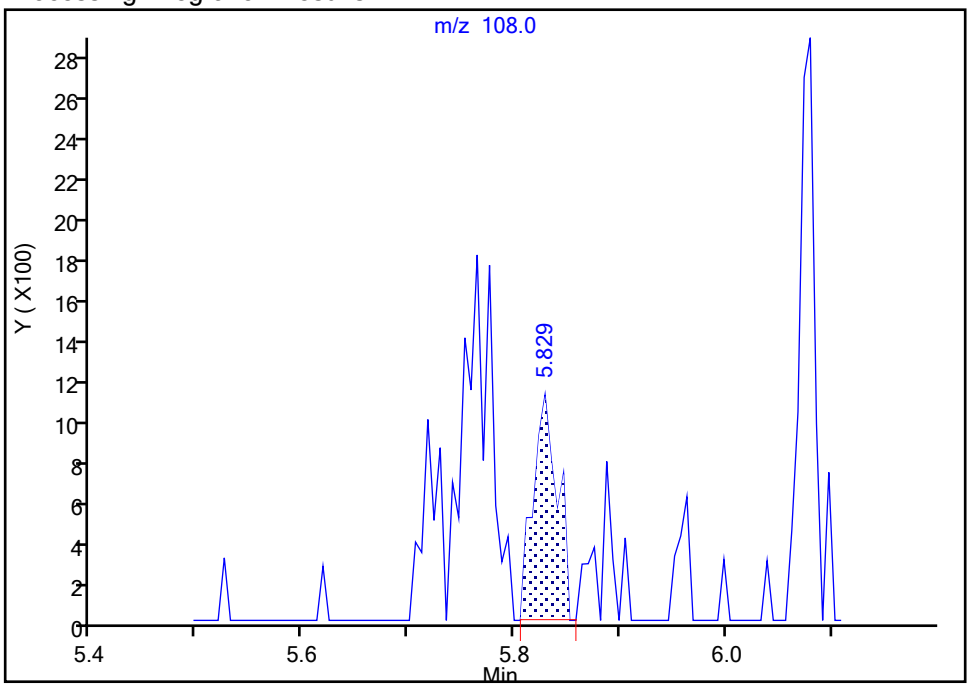
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Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 p-Phenylene diamine, CAS: 106-50-3

Signal: 1

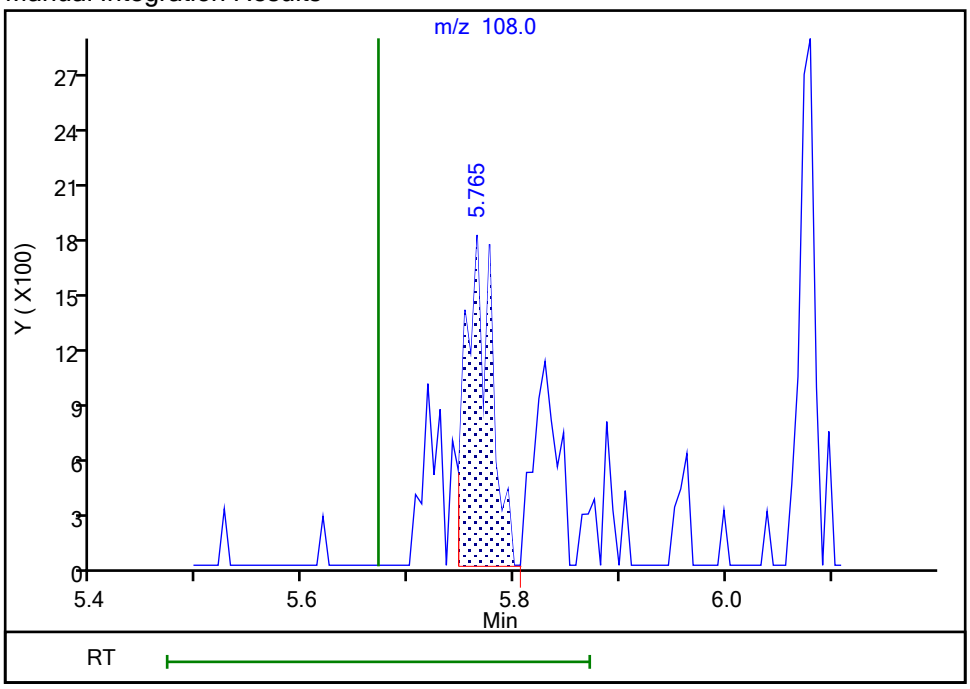
Processing Integration Results

RT: 5.83
Area: 1792
Amount: 0.257236
Amount Units: ug/ml



Manual Integration Results

RT: 5.76
Area: 2956
Amount: 0.076165
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:28 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

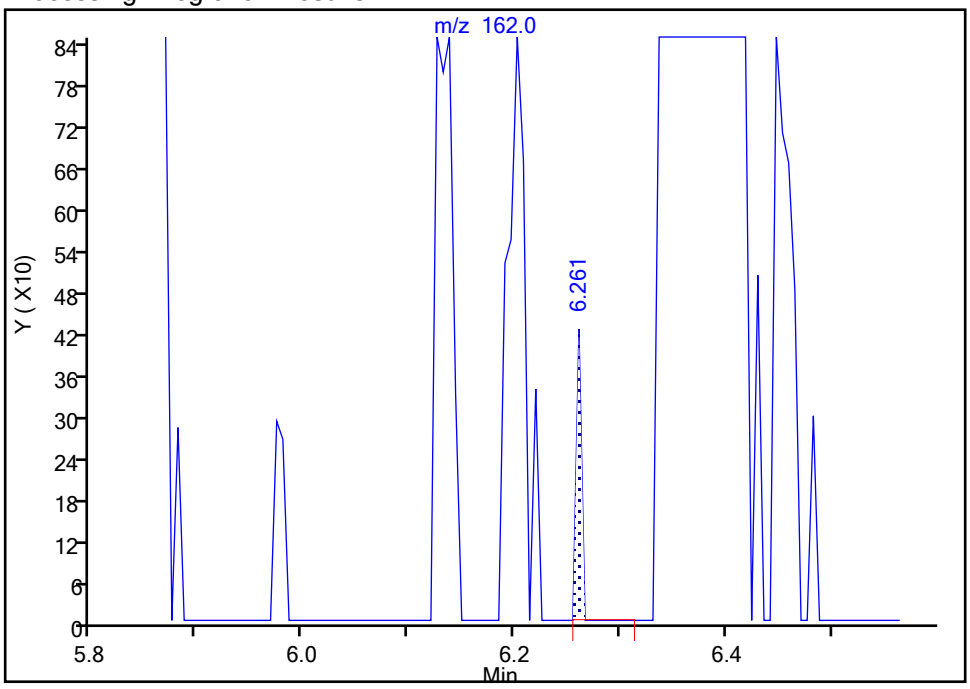
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Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

72 Isosafrole Peak 1, CAS: STL03315

Signal: 1

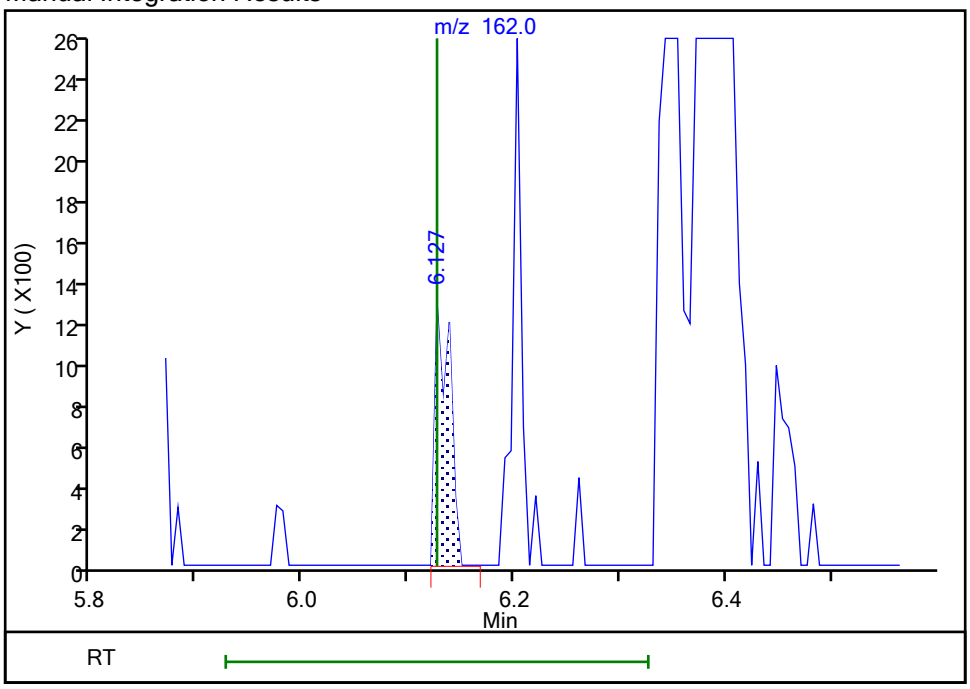
Processing Integration Results

RT: 6.26
Area: 148
Amount: 0.039092
Amount Units: ug/ml



Manual Integration Results

RT: 6.13
Area: 1251
Amount: 0.031421
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:37 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

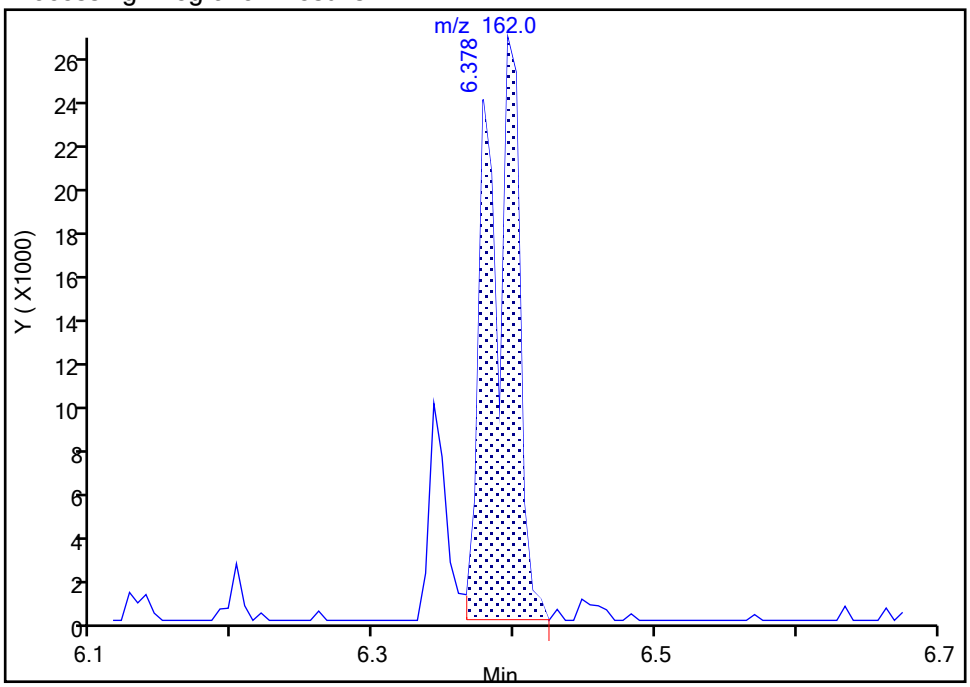
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Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

84 2-Chloronaphthalene, CAS: 91-58-7

Signal: 1

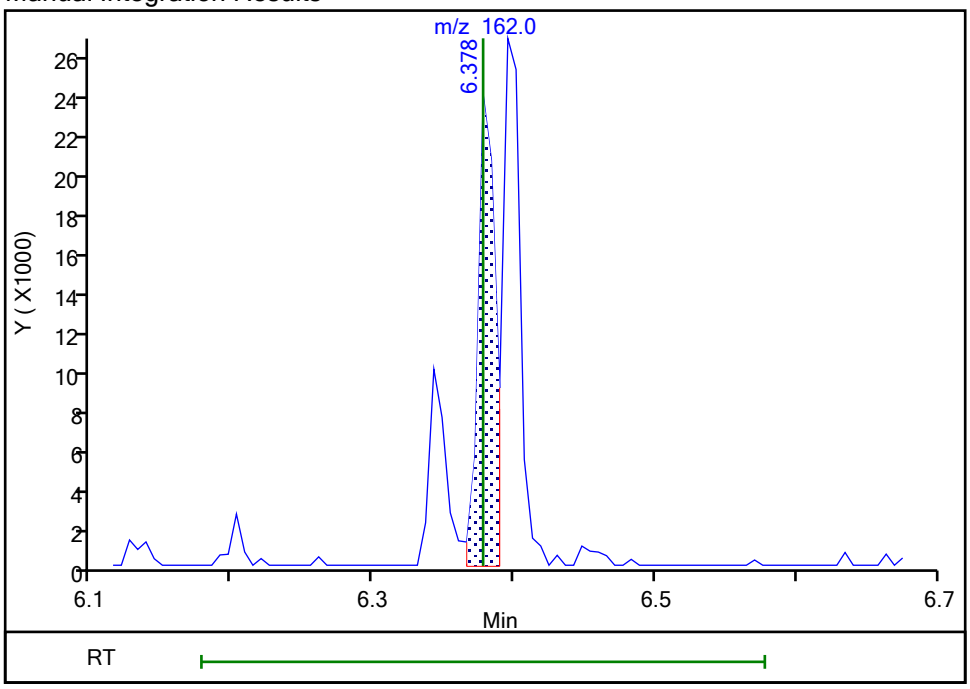
Processing Integration Results

RT: 6.38
Area: 41449
Amount: 0.255755
Amount Units: ug/ml



Manual Integration Results

RT: 6.38
Area: 19163
Amount: 0.229663
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:45 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

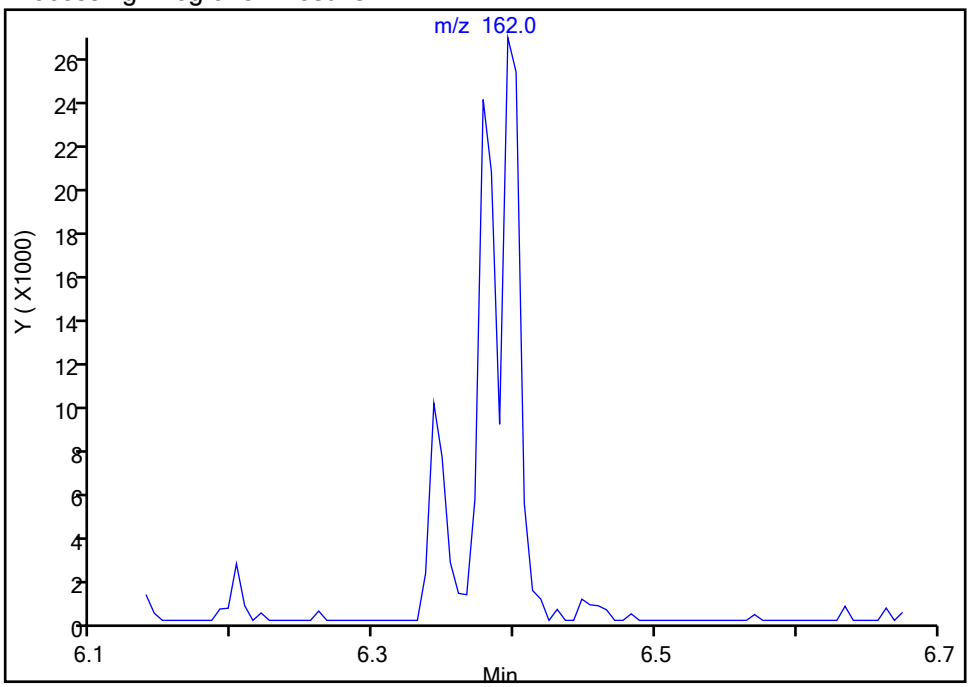
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

85 1-Chloronaphthalene, CAS: 90-13-1

Signal: 1

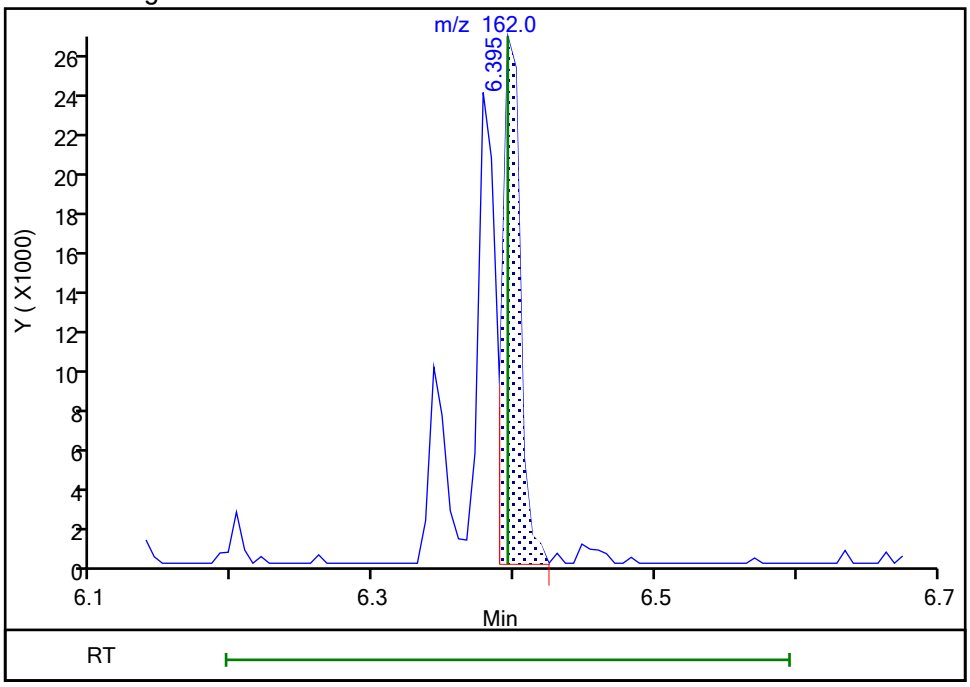
Not Detected
Expected RT: 6.40

Processing Integration Results



Manual Integration Results

RT: 6.40
Area: 22286
Amount: 0.261209
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:47:51 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

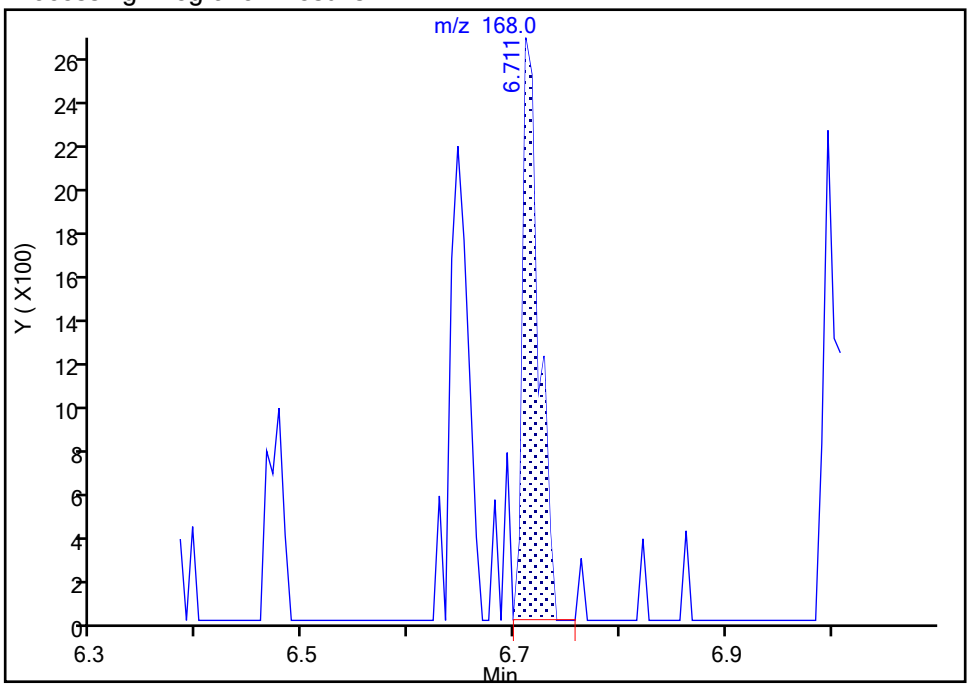
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

89 1,4-Dinitrobenzene, CAS: 100-25-4

Signal: 1

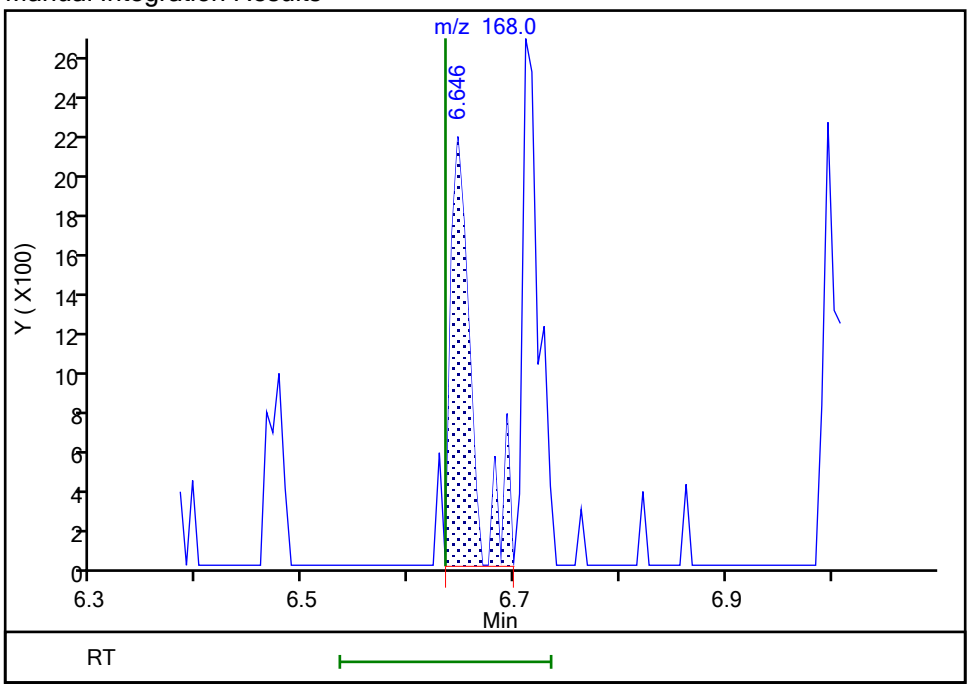
Processing Integration Results

RT: 6.71
Area: 2809
Amount: 0.227148
Amount Units: ug/ml



Manual Integration Results

RT: 6.65
Area: 2871
Amount: 0.231498
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:00 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

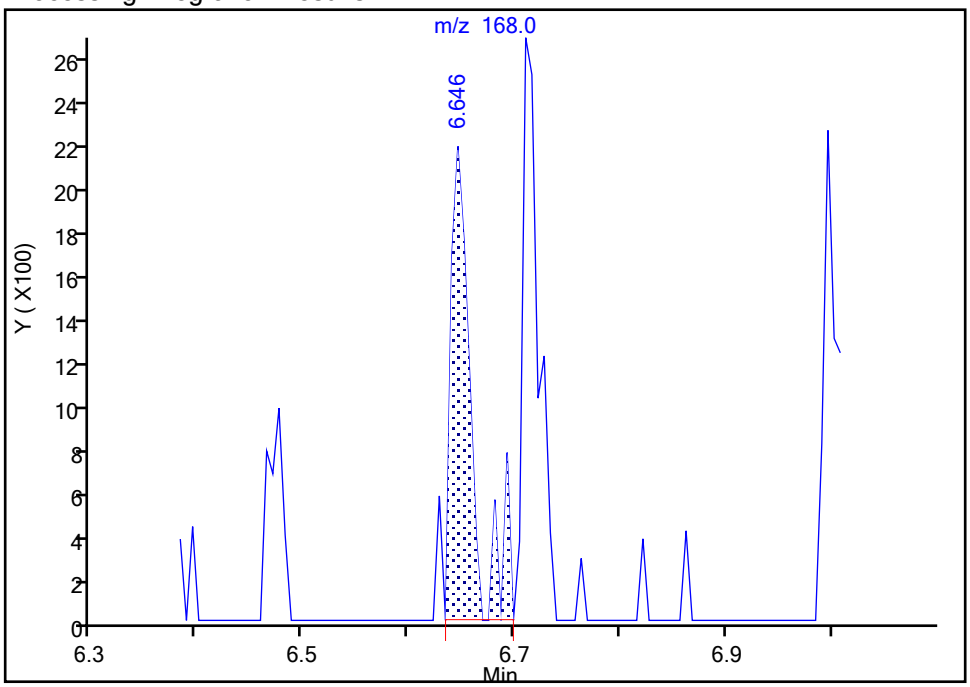
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Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

91 1,3-Dinitrobenzene, CAS: 99-65-0

Signal: 1

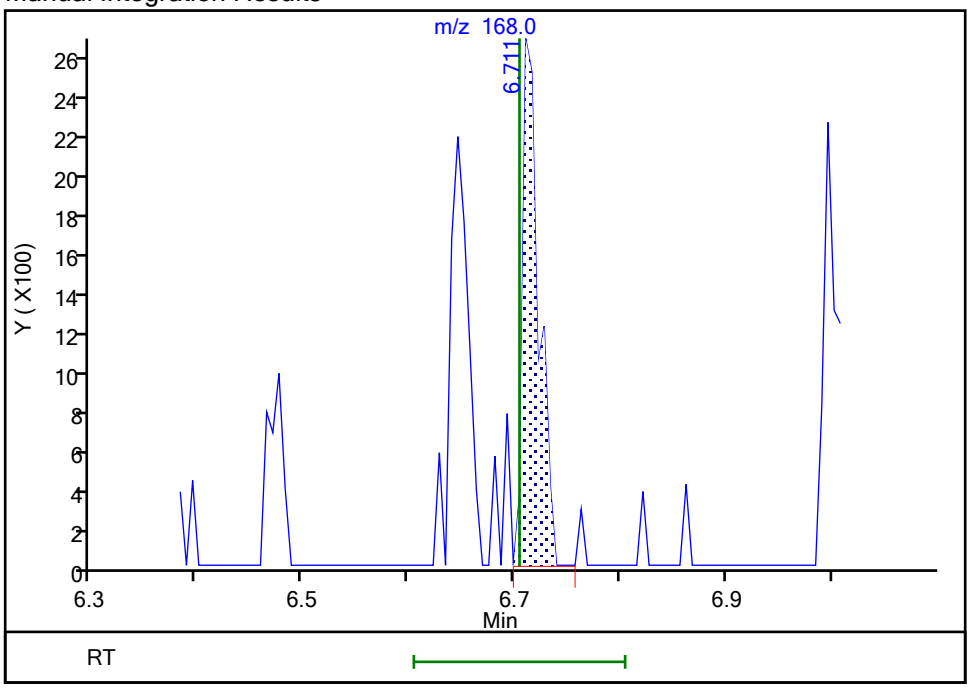
Processing Integration Results

RT: 6.65
Area: 2871
Amount: 0.210797
Amount Units: ug/ml



Manual Integration Results

RT: 6.71
Area: 2809
Amount: 0.214638
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

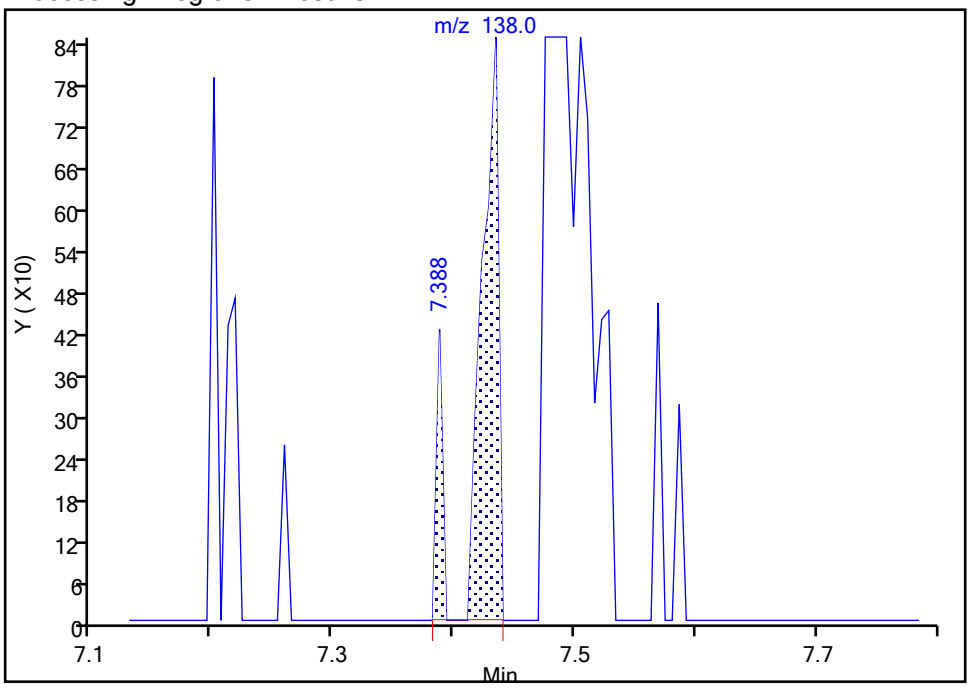
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Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

112 4-Nitroaniline, CAS: 100-01-6

Signal: 1

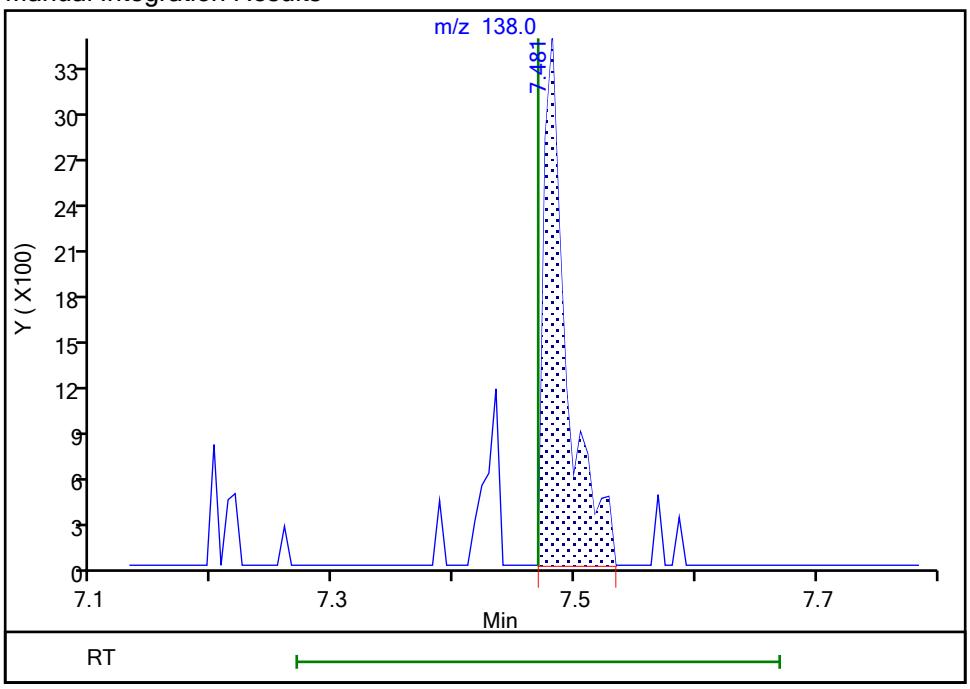
Processing Integration Results

RT: 7.39
Area: 1051
Amount: 0.248724
Amount Units: ug/ml



Manual Integration Results

RT: 7.48
Area: 4564
Amount: 0.231250
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:25 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

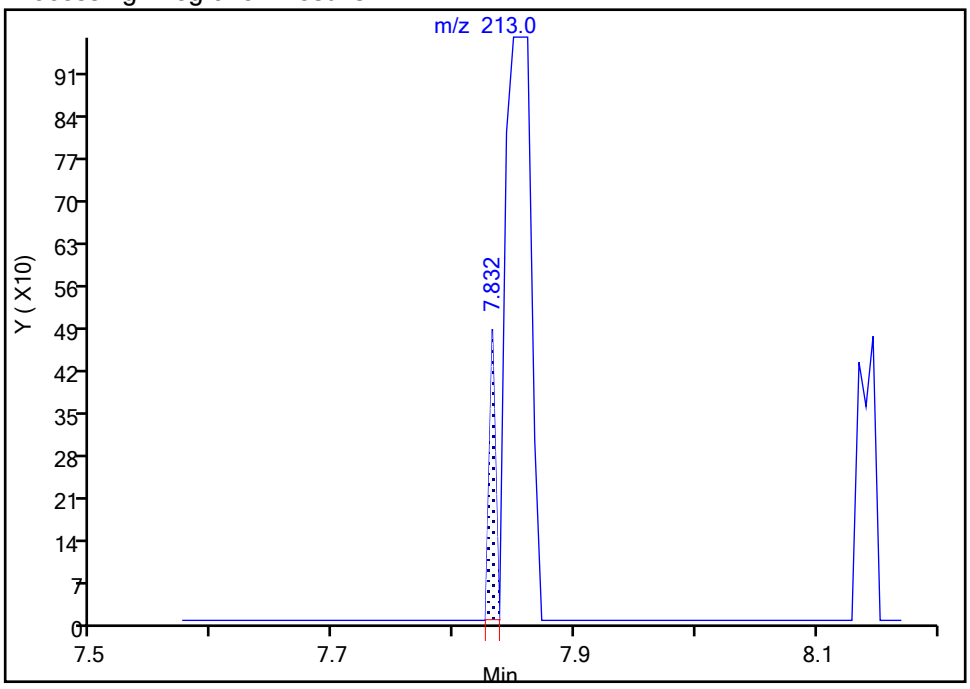
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

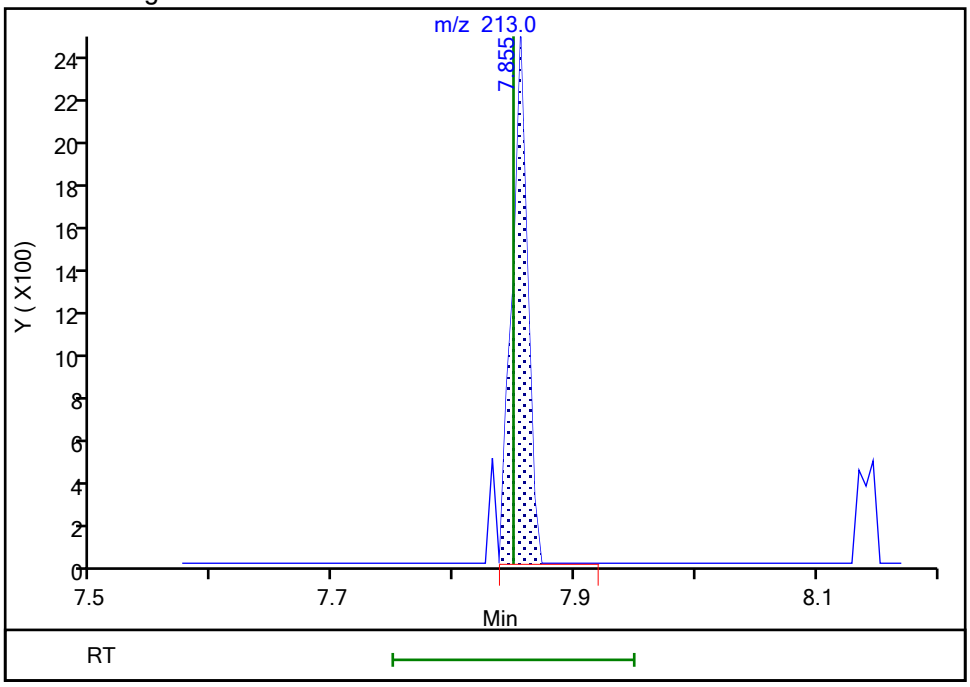
Processing Integration Results

RT: 7.83
Area: 168
Amount: 0.252700
Amount Units: ug/ml



Manual Integration Results

RT: 7.85
Area: 2154
Amount: 0.227949
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:37 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

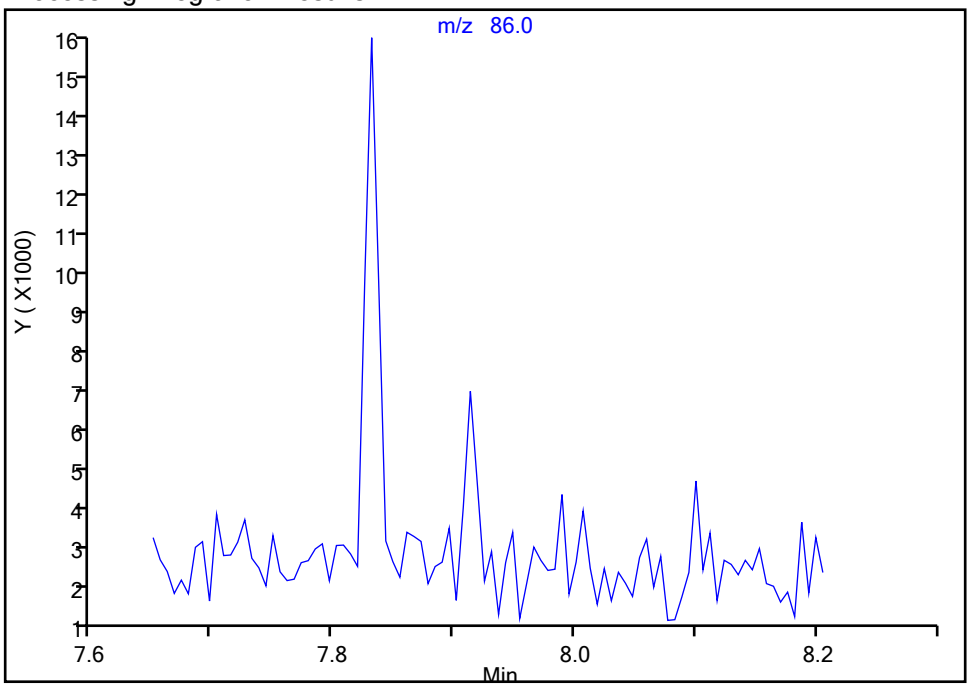
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
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Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

123 trans-Diallate, CAS: 17708-58-6

Signal: 1

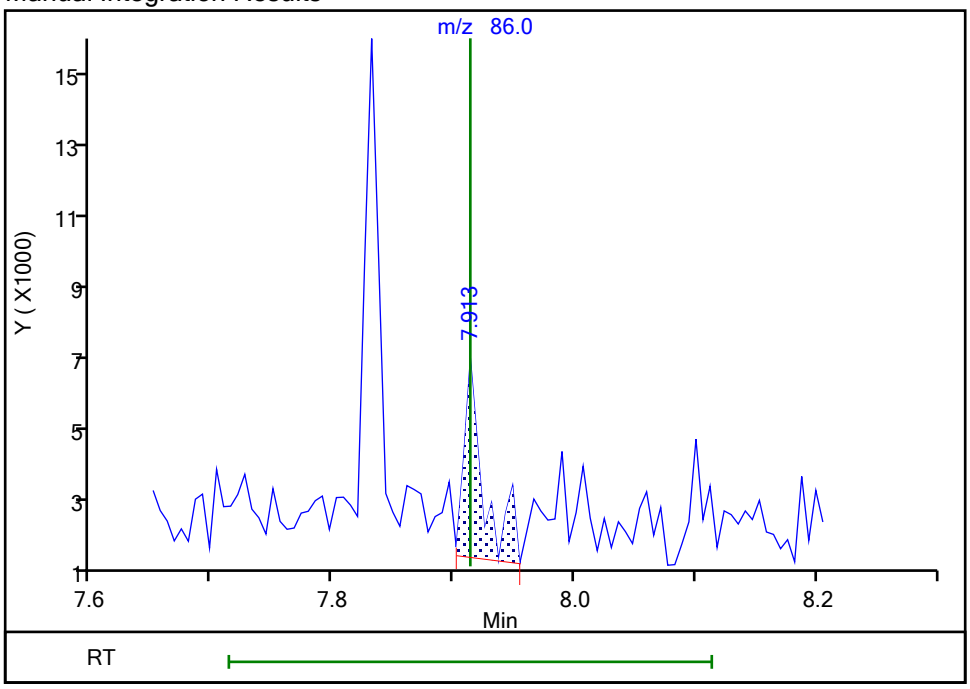
Not Detected
Expected RT: 7.91

Processing Integration Results



Manual Integration Results

RT: 7.91
Area: 5835
Amount: 0.112384
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:42 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

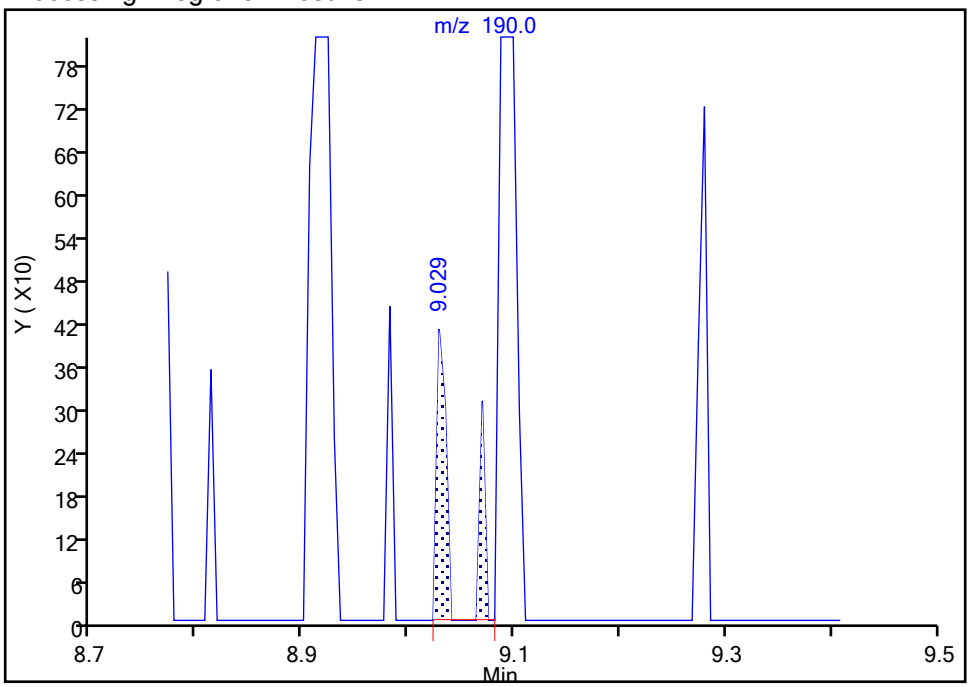
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2557.D				
Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

140 4-Nitroquinoline-1-oxide, CAS: 56-57-5

Signal: 1

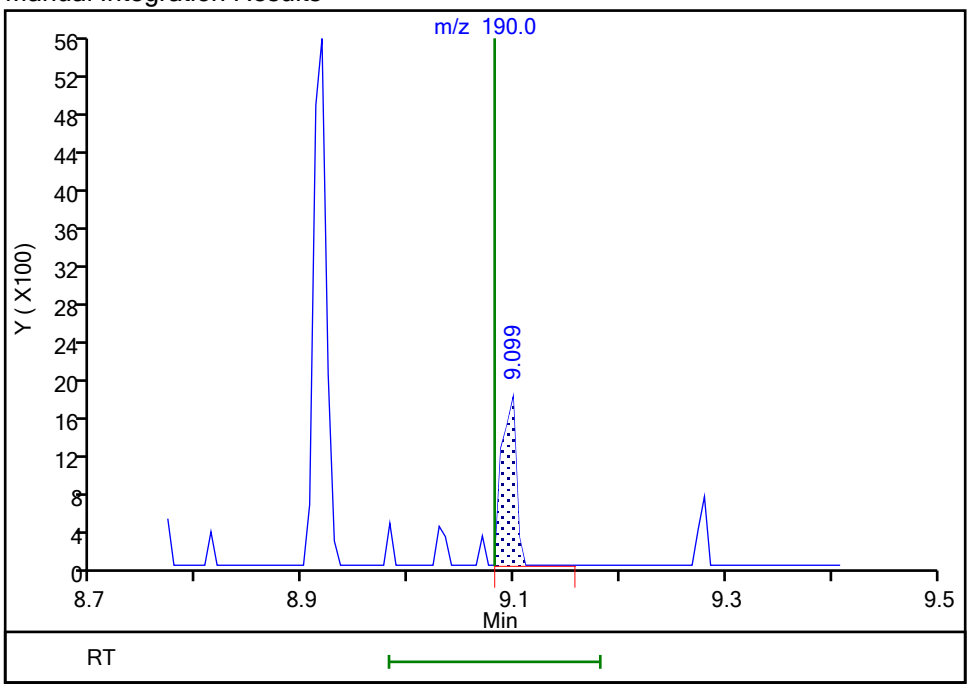
Processing Integration Results

RT: 9.03
Area: 357
Amount: 0.249036
Amount Units: ug/ml



Manual Integration Results

RT: 9.10
Area: 1674
Amount: 0.133260
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:48:56 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

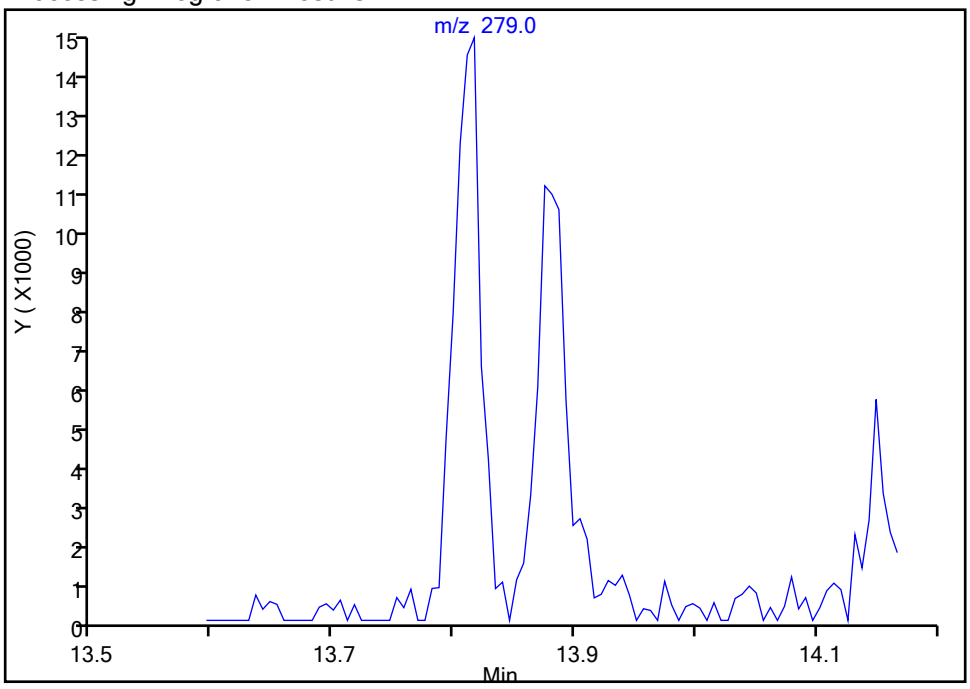
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Injection Date:	26-Jun-2025 01:17:30	Instrument ID:	HP23264		
Lims ID:	IC L2				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

170 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

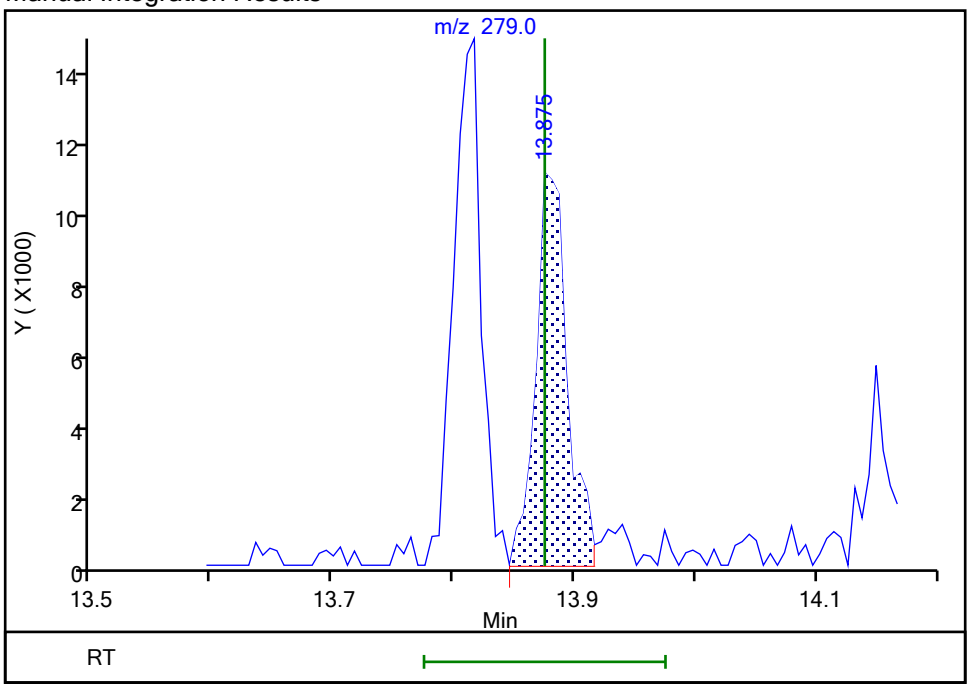
Not Detected
Expected RT: 13.87

Processing Integration Results



Manual Integration Results

RT: 13.88
Area: 19752
Amount: 0.218990
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:49:16 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Jun-2025 01:38:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: IC L1
Misc. Info.: 410-0151575-009
Operator ID: IR93211 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:52:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.438	1.426	0.012	48	12992	0.1250	0.6848	
2 N-Nitrosodimethylamine	74	1.654	1.648	0.006	2	3068	0.1250	0.0962	
3 Pyridine	79	1.759	1.683	0.076	85	18512	0.2500	0.3247	
4 Dimethylformamide	73	1.993	1.998	-0.005	12	4886	0.1250	0.1321	
5 2-Picoline	93	2.308	2.249	0.059	68	5553	0.1250	0.1122	
6 N-Nitrosomethylethylamine	88	2.355	2.325	0.030	5	6365	0.1250	0.2750	
7 Methyl methanesulfonate	80	2.617	2.594	0.023	51	5302	0.1250	0.1462	
$ 9 2-Fluorophenol	112	2.763	2.752	0.011	88	7989	0.2500	0.2092	
11 N-Nitrosodiethylamine	102	2.962	2.944	0.018	49	3550	0.1250	0.1540	
12 Ethyl methanesulfonate	109	3.266	3.254	0.012	65	2253	0.1250	0.1014	
13 Benzaldehyde	77	3.587	3.575	0.012	45	5261	0.1250	0.1076	a
$ 15 Phenol-d5	99	3.686	3.674	0.012	86	12314	0.2500	0.2152	
17 Aniline	93	3.692	3.686	0.006	40	6831	0.1250	0.0924	a
16 Phenol	94	3.704	3.686	0.018	42	6362	0.1250	0.0947	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	77	6446	0.1250	0.1332	
19 2-Chlorophenol	128	3.809	3.797	0.012	44	4195	0.1250	0.1109	a
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	90	6060	0.1250	0.1356	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	96	156408	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.019	4.013	0.006	67	5353	0.1250	0.1181	
26 Benzyl alcohol	108	4.165	4.153	0.012	32	3050	0.1250	0.1050	a
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	81	5005	0.1250	0.1178	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	90	12020	0.1250	0.1357	
29 2-Methylphenol	108	4.282	4.276	0.006	65	5793	0.1250	0.1350	a
31 N-Nitrosopyrrolidine	100	4.398	4.387	0.011	45	2803	0.1250	0.1098	
32 Acetophenone	105	4.404	4.398	0.006	85	7573	0.1250	0.1087	
33 N-Nitrosodi-n-propylamine	70	4.404	4.404	0.000	84	4792	0.1250	0.1053	
35 N-Nitrosomorpholine	56	4.428	4.427	0.001	40	4261	0.1250	0.1183	
34 4-Methylphenol	108	4.445	4.433	0.012	56	4412	0.1250	0.0964	a
36 2-Toluidine	106	4.433	4.433	0.000	87	8860	0.1250	0.1212	
37 Hexachloroethane	117	4.480	4.480	0.000	70	3248	0.1250	0.1479	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 39 Nitrobenzene-d5	82	4.544	4.544	0.000	86	15195	0.2500	0.2432	
40 Nitrobenzene	77	4.568	4.562	0.006	63	7400	0.1250	0.1138	
41 N-Nitrosopiperidine	114	4.714	4.708	0.006	43	2475	0.1250	0.1150	
42 Isophorone	82	4.795	4.795	0.000	96	14387	0.1250	0.1281	
43 2-Nitrophenol	139	4.877	4.871	0.006	39	2259	0.1250	0.1198	
44 2,4-Dimethylphenol	107	4.941	4.935	0.006	88	4768	0.1250	0.1027	
46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	83	2496	0.1250	0.1203	
47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	55	6489	0.1250	0.1008	
49 2,4-Dichlorophenol	162	5.128	5.116	0.012	1	3690	0.1250	0.1065	
50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	88	5182	0.1250	0.1224	
* 52 Naphthalene-d8	136	5.228	5.227	0.001	99	523711	5.00	5.00	
53 Naphthalene	128	5.251	5.251	0.000	91	15126	0.1250	0.1347	
55 Alpha-Terpineol	59	5.274	5.274	0.000	81	7446	0.1250	0.1391	
56 4-Chloroaniline	127	5.333	5.321	0.012	54	4066	0.1250	0.0923	
57 2,6-Dichlorophenol	162	5.333	5.327	0.006	80	4796	0.1250	0.1349	
58 Hexachloropropene	213	5.333	5.332	0.001	89	3934	0.1250	0.1158	
59 Hexachlorobutadiene	225	5.368	5.373	-0.005	24	3013	0.1250	0.1128	
61 Quinoline	129	5.590	5.578	0.012	63	9060	0.1250	0.1238	
63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	42	12023	0.1250	0.2431	
62 Caprolactam	113	5.671	5.654	0.017	1	1008	0.1250	0.0982	
64 p-Phenylene diamine	108	5.560	5.671	-0.111	1	114	0.1250	0.003146	
65 4-Chloro-3-methylphenol	107	5.829	5.817	0.012	34	6965	0.1250	0.1584	a
66 Safrole, Total	162	5.846	5.846	0.000	25	3553	0.1250	0.1165	
67 2-Methylnaphthalene	142	5.917	5.916	0.001	90	7386	0.1250	0.1123	
69 1-Methylnaphthalene	142	6.010	6.010	0.000	90	10236	0.1250	0.1421	
71 Hexachlorocyclopentadiene	237	6.068	6.068	0.000	87	3944	0.1250	0.1140	
70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	88	6621	0.1250	0.1356	
72 Isosafrole Peak 1	162	6.127	6.127	0.000	1	941	0.0200	0.0250	
79 2,4,6-Trichlorophenol	196	6.208	6.202	0.006	74	2766	0.1250	0.1020	
80 2,4,5-Trichlorophenol	196	6.255	6.243	0.012	38	2615	0.1250	0.0865	
$ 81 2-Fluorobiphenyl (Surr)	172	6.279	6.278	0.001	95	21472	0.2500	0.2298	
82 Isosafrole Peak 2	162	6.349	6.343	0.006	32	5043	0.1050	0.1242	a
83 1,1'-Biphenyl	154	6.366	6.366	0.000	93	11040	0.1250	0.1163	
84 2-Chloronaphthalene	162	6.378	6.378	0.000	60	8720	0.1250	0.1104	
85 1-Chloronaphthalene	162	6.401	6.395	0.006	95	11993	0.1250	0.1485	
86 Phenyl ether	170	6.471	6.471	0.000	86	8373	0.1250	0.1417	
87 2-Nitroaniline	138	6.512	6.494	0.018	21	2746	0.1250	0.1227	
S 24 Dinitrotoluene	165				0		0.2500	0.2375	
88 1,4-Naphthoquinone	158	6.570	6.559	0.011	71	3393	0.1250	0.1139	
89 1,4-Dinitrobenzene	168	6.646	6.635	0.011	32	732	0.1250	0.0623	
90 Dimethyl phthalate	163	6.681	6.681	0.000	88	13241	0.1250	0.1403	
91 1,3-Dinitrobenzene	168	6.722	6.705	0.017	24	1137	0.1250	0.0918	
92 2,6-Dinitrotoluene	165	6.740	6.734	0.006	52	2609	0.1250	0.1293	
93 Acenaphthylene	152	6.769	6.769	0.000	97	15551	0.1250	0.1248	
95 3-Nitroaniline	138	6.897	6.891	0.006	33	1566	0.1250	0.0806	
* 96 Acenaphthene-d10	164	6.903	6.903	0.000	95	328987	5.00	5.00	
97 Acenaphthene	153	6.933	6.932	0.000	92	10373	0.1250	0.1280	
98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	11601	1.25	0.8825	
99 Pentachlorobenzene	250	7.067	7.061	0.006	88	5097	0.1250	0.1257	
100 4-Nitrophenol	109	7.119	7.090	0.029	63	7593	0.7500	0.4890	
101 Dibenzofuran	168	7.102	7.102	0.000	95	14724	0.1250	0.1304	
102 2,4-Dinitrotoluene	165	7.119	7.113	0.006	68	3000	0.1250	0.1082	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
104 1-Naphthylamine	143	7.184	7.183	0.001	89	7599	0.1250	0.1040	
105 2,3,4,6-Tetrachlorophenol	232	7.242	7.230	0.012	1	3577	0.1250	0.1361	
106 2-Naphthylamine	143	7.265	7.259	0.006	85	8084	0.1250	0.1060	
107 Diethyl phthalate	149	7.353	7.353	0.000	95	12237	0.1250	0.1294	
108 Fluorene	166	7.429	7.423	0.006	92	10629	0.1250	0.1232	
109 Thionazin	107	7.423	7.423	0.000	55	3440	0.1250	0.1970	
110 4-Chlorophenyl phenyl ether	204	7.441	7.440	0.000	85	6879	0.1250	0.1482	
111 N-Nitro-o-toluidine	152	7.470	7.458	0.012	43	3586	0.1250	0.1491	
112 4-Nitroaniline	138	7.481	7.470	0.011	39	1415	0.1250	0.0757	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	62	8814	0.7500	0.5097	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	63	7334	0.1063	0.1009	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	97	19321	0.1250	0.1355	
$ 116 2,4,6-Tribromophenol	330	7.657	7.656	0.001	85	3238	0.2500	0.2068	
117 Sulfotepp	97	7.727	7.726	0.001	70	3451	0.1250	0.1401	
120 cis-Diallate	86	7.832	7.832	0.000	71	7880	0.0925	0.1636	
119 Phorate	75	7.843	7.843	0.000	88	13218	0.1250	0.1091	
118 1,3,5-Trinitrobenzene	213	7.861	7.849	0.012	53	228	0.1250	0.0253	a
121 Phenacetin	108	7.884	7.872	0.012	36	3978	0.1250	0.0729	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	69	2710	0.1250	0.0964	
123 trans-Diallate	86		7.913				ND	ND	
124 Hexachlorobenzene	284	7.949	7.942	0.006	83	3924	0.1250	0.1166	
125 Dimethoate	87	8.001	8.007	-0.006	16	5690	0.1250	0.1235	a
126 Atrazine	200	8.077	8.083	-0.006	77	4147	0.1250	0.1484	
127 Pentachlorophenol	266	8.147	8.147	0.000	85	9196	0.6250	0.4435	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	60	13821	0.1250	0.1401	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	50	1678	0.1250	0.0997	
130 Pronamide	173	8.223	8.223	0.000	83	5465	0.1250	0.1168	
* 131 Phenanthrene-d10	188	8.305	8.310	-0.005	98	625812	5.00	5.00	
132 Phenanthrene	178	8.328	8.328	0.000	95	19058	0.1250	0.1378	
133 Dinoseb	211	8.328	8.334	-0.006	66	2530	0.1250	0.0986	
134 Disulfoton	88	8.340	8.340	0.000	60	9247	0.1250	0.1248	a
135 Anthracene	178	8.381	8.380	0.001	96	16705	0.1250	0.1231	
136 Carbazole	167	8.556	8.550	0.006	95	14677	0.1250	0.1209	
137 Methyl parathion	109	8.696	8.696	0.000	83	3764	0.1250	0.1090	
138 Di-n-butyl phthalate	149	8.906	8.906	0.000	98	18048	0.1250	0.1267	
139 Ethyl Parathion	109	9.070	9.069	0.001	1	1591	0.1250	0.0807	
140 4-Nitroquinoline-1-oxide	190	9.093	9.081	0.012	1	353	0.1250	0.0295	
142 Octachlorostyrene	308	9.286	9.285	0.001	43	1752	0.1250	0.1368	
143 Isodrin	193	9.309	9.309	0.000	84	5352	0.1250	0.2644	
144 Fluoranthene	202	9.455	9.455	0.000	97	18249	0.1250	0.1201	
145 Benzidine	184	9.618	9.612	0.006	94	18201	0.3750	0.2101	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	660830	5.00	5.00	
S 68 Diallate	86				0		0.1250	0.1636	
147 Pyrene	202	9.665	9.665	0.000	96	22394	0.1250	0.1387	
$ 148 p-Terphenyl-d14	244	9.840	9.840	0.000	97	24292	0.2500	0.2724	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	81	3069	0.1250	0.1458	M
150 Chlorobenzilate	139	10.033	10.033	0.000	82	5368	0.1250	0.1243	
152 3,3'-Dimethylbenzidine	212	10.313	10.307	0.006	96	8275	0.1250	0.1104	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	91	8260	0.1250	0.1411	
155 2-Acetylaminofluorene	181	10.570	10.564	0.006	25	3592	0.1250	0.0721	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	97	18004	0.1250	0.1410	
157 3,3'-Dichlorobenzidine	252	10.874	10.868	0.006	57	5673	0.1250	0.1220	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
158	4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	57	3646	0.1250	0.1465	
159	Chrysene	228	10.909	10.909	0.000	93	16690	0.1250	0.1345	
160	Bis(2-ethylhexyl) phthalate	149	10.973	10.979	-0.006	91	9516	0.1250	0.1217	
S 94	Isosafrole	162				0		0.1250	0.1492	
161	6-Methylchrysene	242	11.434	11.428	0.006	96	11046	0.1250	0.1397	
162	Di-n-octyl phthalate	149	11.761	11.767	-0.006	95	14732	0.1250	0.1229	
163	7,12-Dimethylbenz(a)anthracene	256	12.147	12.147	0.000	69	4465	0.1250	0.1008	
164	Benzo[b]fluoranthene	252	12.147	12.147	0.000	92	12297	0.1250	0.1096	
165	Benzo[k]fluoranthene	252	12.188	12.182	0.006	96	16467	0.1250	0.1420	
166	Benzo[a]pyrene	252	12.573	12.567	0.006	77	14308	0.1250	0.1334	
* 167	Perylene-d12	264	12.643	12.643	0.000	98	461412	5.00	5.00	
168	3-Methylcholanthrene	268	13.058	13.057	0.001	7	5600	0.1250	0.1166	
169	Dibenz[a,h]acridine	279	13.805	13.805	0.000	88	9796	0.1250	0.1199	
170	Dibenz[a,j]acridine	279	13.881	13.875	0.006	27	10675	0.1250	0.1294	Ma
171	Indeno[1,2,3-cd]pyrene	276	14.097	14.103	-0.006	93	12534	0.1250	0.1273	
172	Dibenz(a,h)anthracene	278	14.150	14.144	0.006	1	12018	0.1250	0.1294	
173	Benzo[g,h,i]perylene	276	14.453	14.453	0.000	91	12396	0.1250	0.1235	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_1_00043 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 10:32:42 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Injection Date: 26-Jun-2025 01:38:30 Instrument ID: HP23264 Operator ID: IR93211

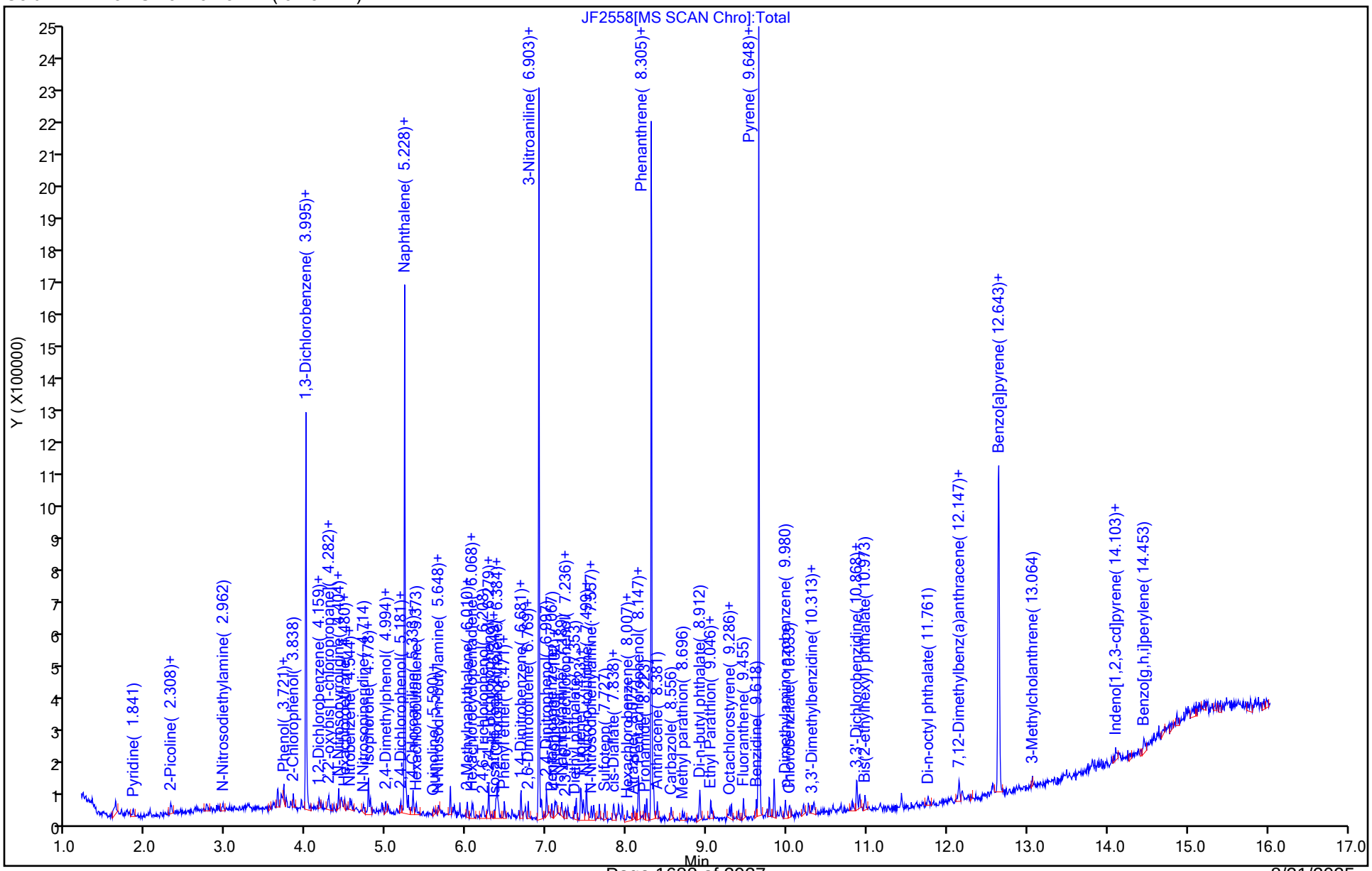
Lims ID: IC L1 Worklist Smp#: 9

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

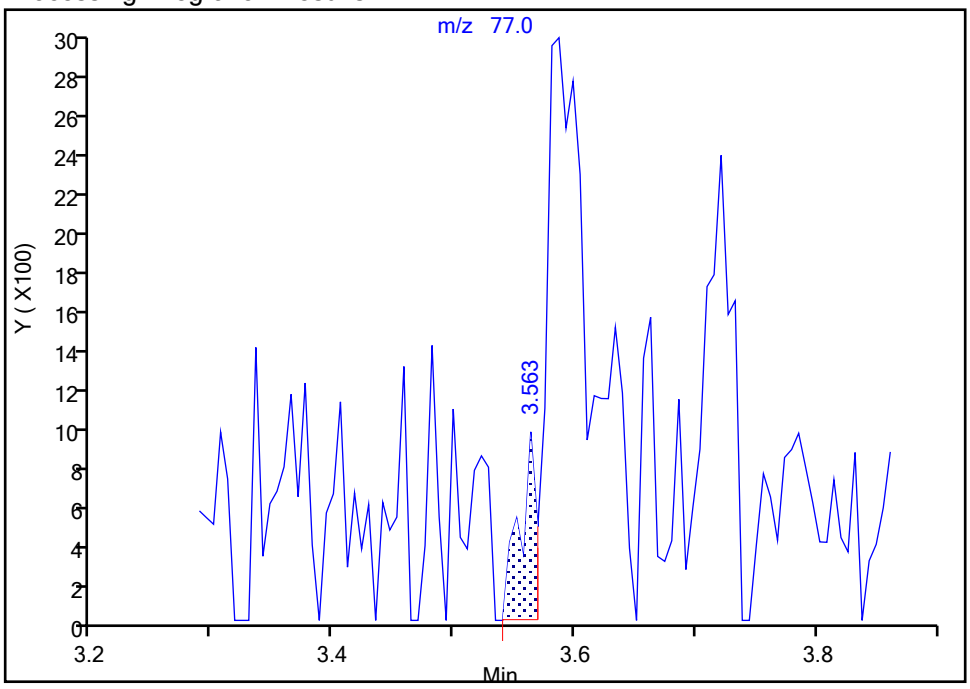
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

13 Benzaldehyde, CAS: 100-52-7

Signal: 1

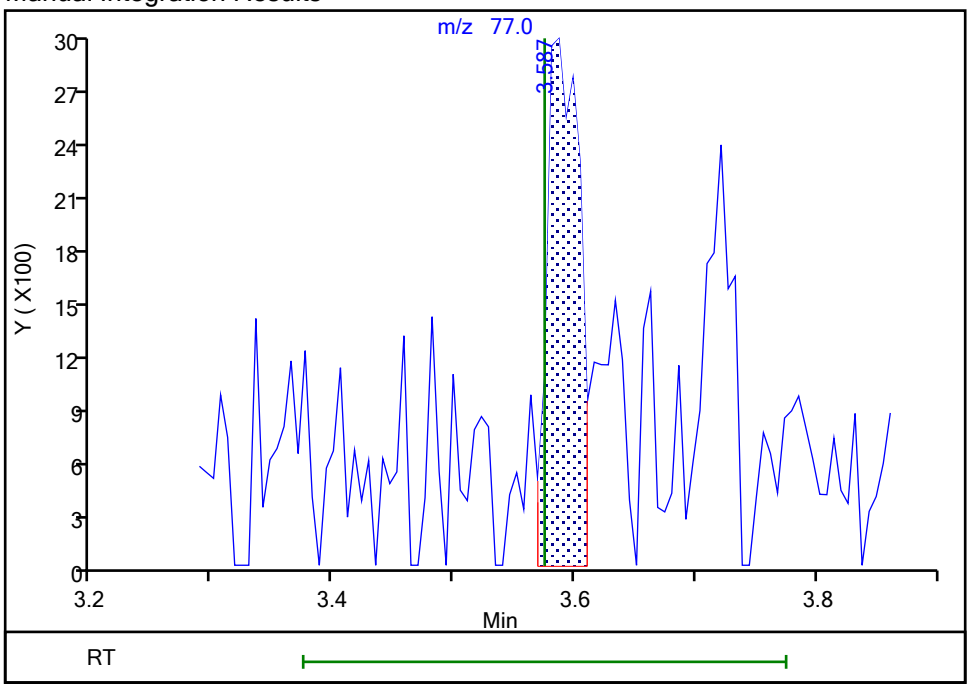
Processing Integration Results

RT: 3.56
Area: 842
Amount: 0.067956
Amount Units: ug/ml



Manual Integration Results

RT: 3.59
Area: 5261
Amount: 0.107619
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:15 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

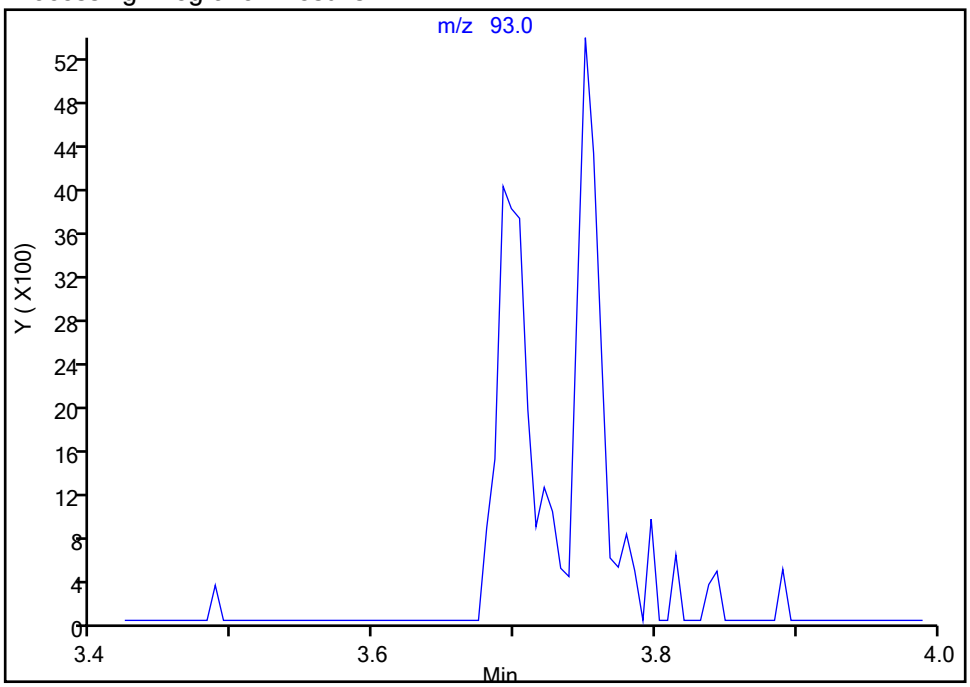
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

17 Aniline, CAS: 62-53-3

Signal: 1

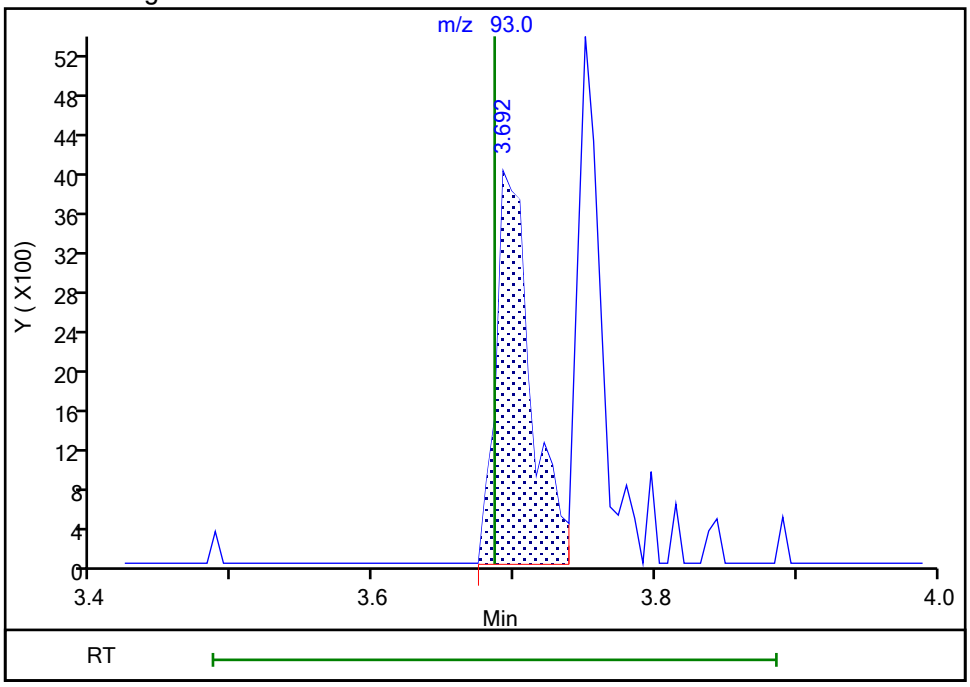
Not Detected
Expected RT: 3.69

Processing Integration Results



Manual Integration Results

RT: 3.69
Area: 6831
Amount: 0.092449
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:21 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

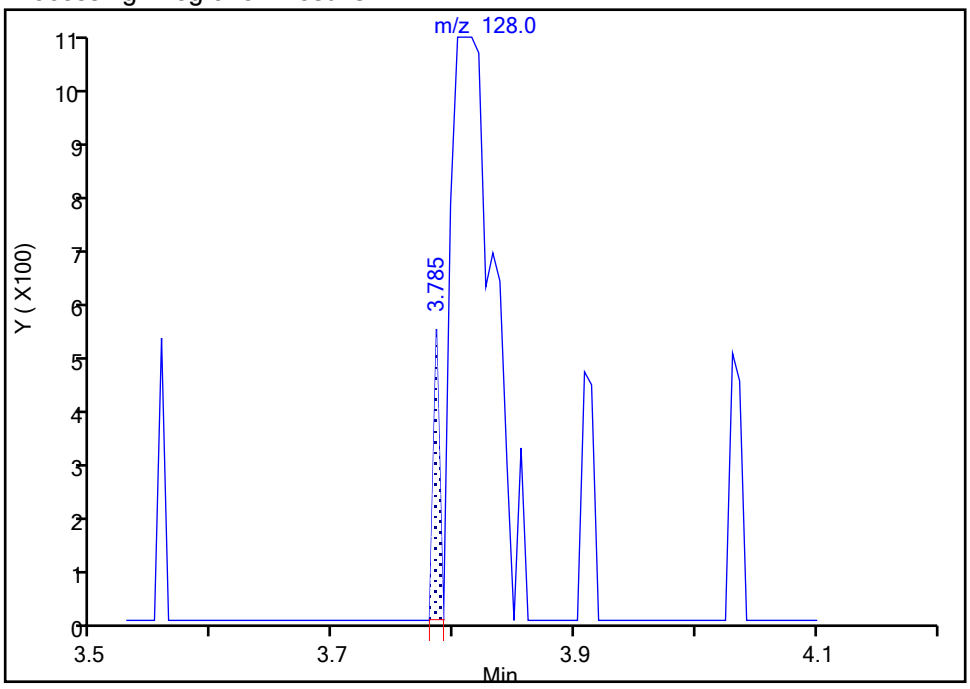
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D
Injection Date: 26-Jun-2025 01:38:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

19 2-Chlorophenol, CAS: 95-57-8

Signal: 1

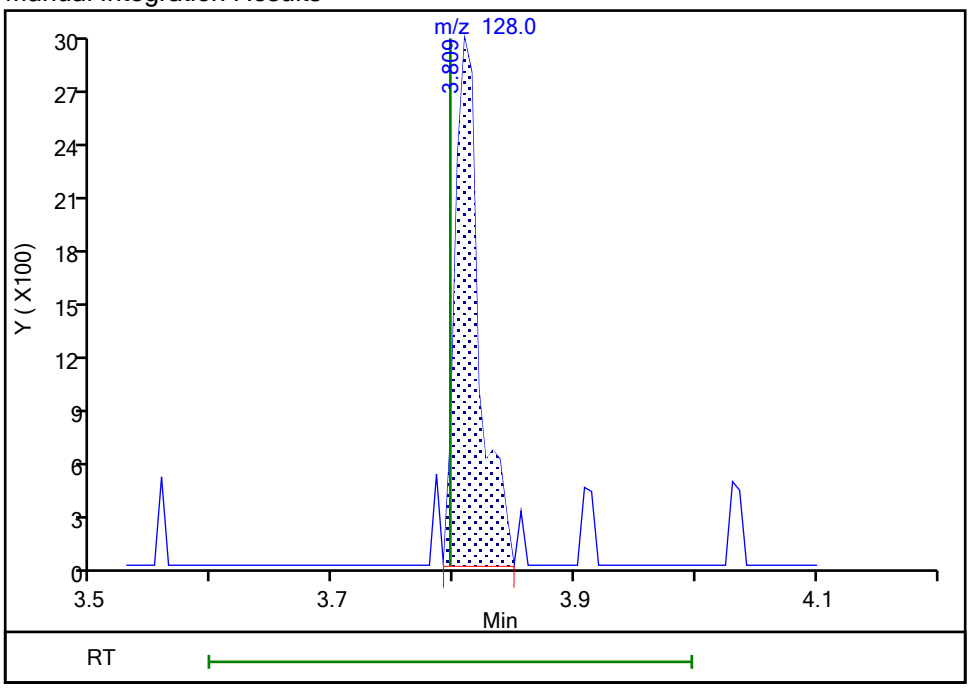
Processing Integration Results

RT: 3.79
Area: 180
Amount: 0.005324
Amount Units: ug/ml



Manual Integration Results

RT: 3.81
Area: 4195
Amount: 0.110904
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:33 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

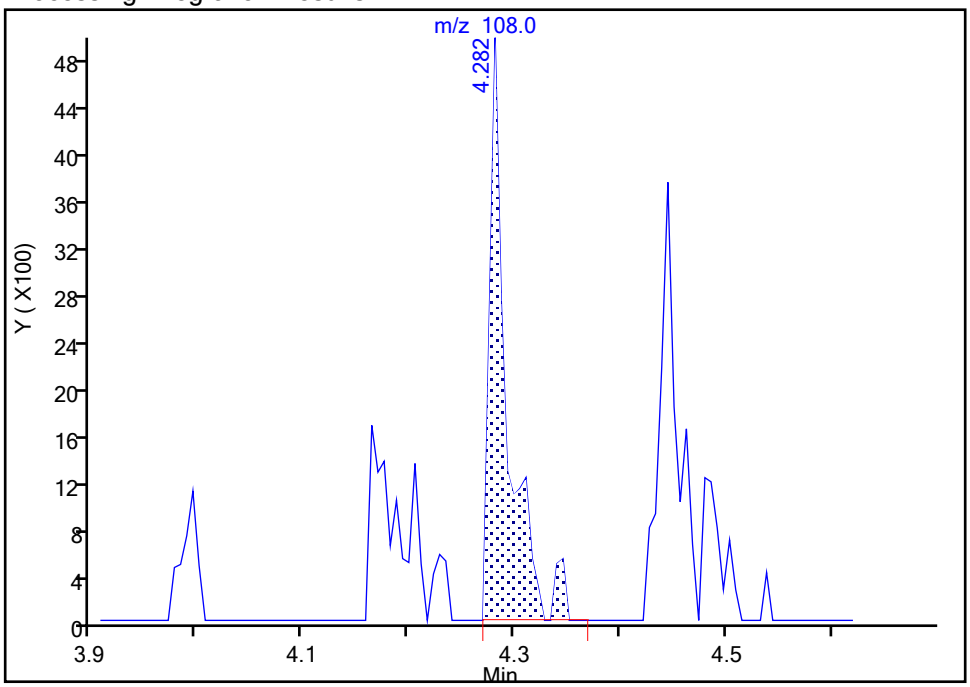
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D
Injection Date: 26-Jun-2025 01:38:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

26 Benzyl alcohol, CAS: 100-51-6

Signal: 1

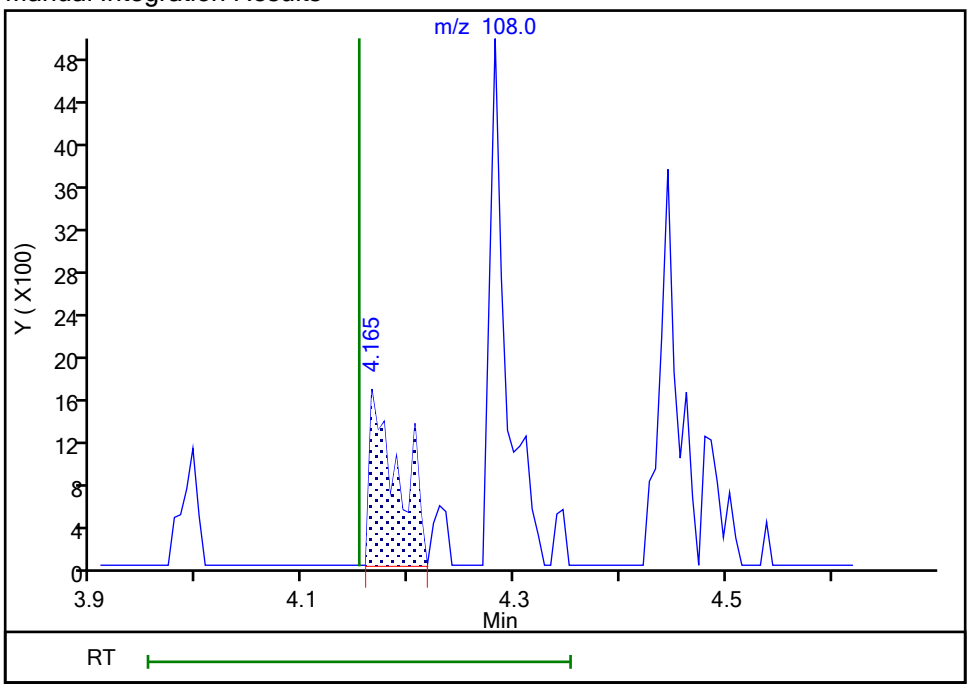
Processing Integration Results

RT: 4.28
Area: 5793
Amount: 0.182150
Amount Units: ug/ml



Manual Integration Results

RT: 4.16
Area: 3050
Amount: 0.104953
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

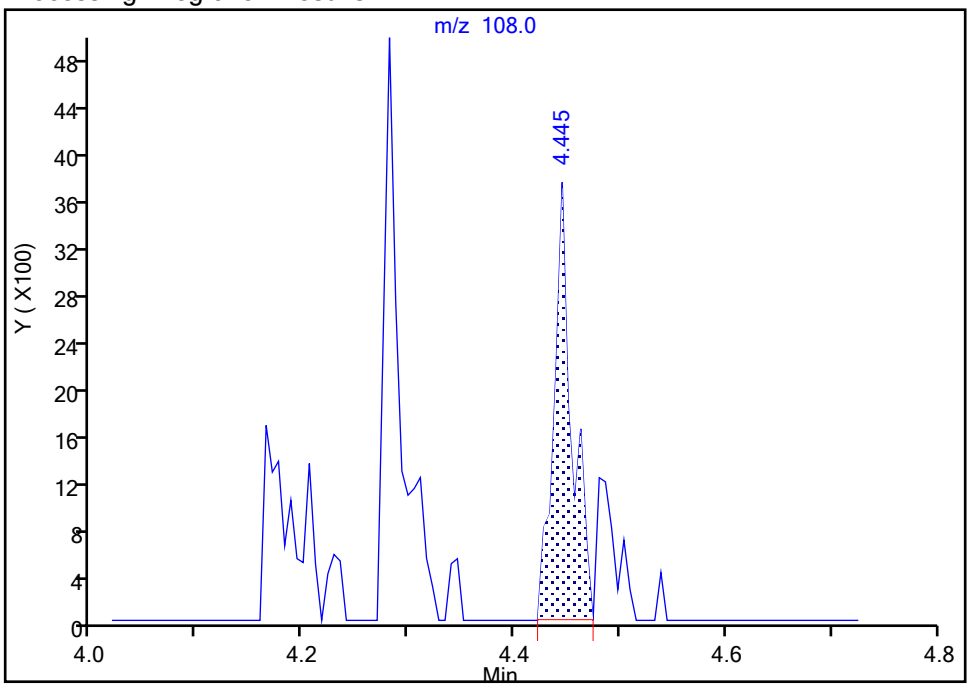
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D
Injection Date: 26-Jun-2025 01:38:30 Instrument ID: HP23264
Lims ID: IC L1
Client ID:
Operator ID: IR93211 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Column: DB-5MS 20m 0.25mm (0.25 mm) Detector MS SCAN

29 2-Methylphenol, CAS: 95-48-7

Signal: 1

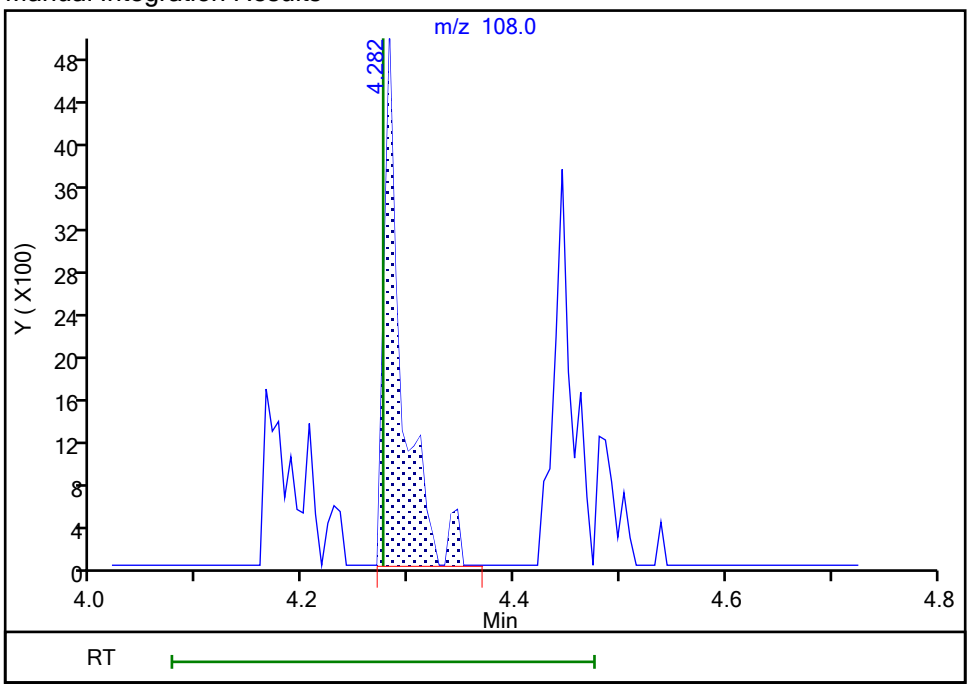
Processing Integration Results

RT: 4.45
Area: 4412
Amount: 0.106229
Amount Units: ug/ml



Manual Integration Results

RT: 4.28
Area: 5793
Amount: 0.134992
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:50:47 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

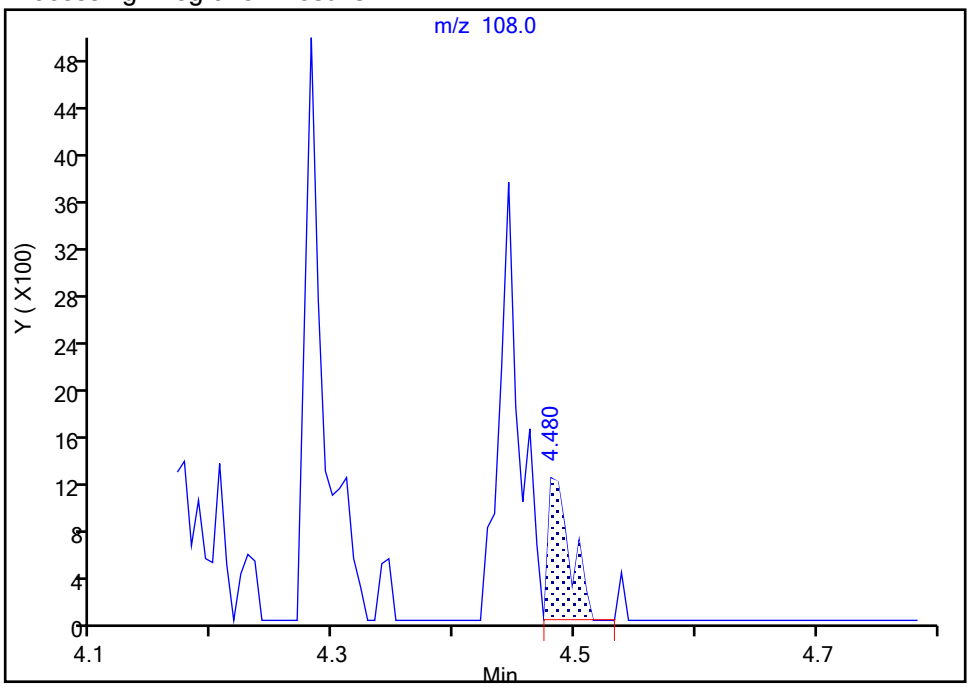
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

34 4-Methylphenol, CAS: 106-44-5

Signal: 1

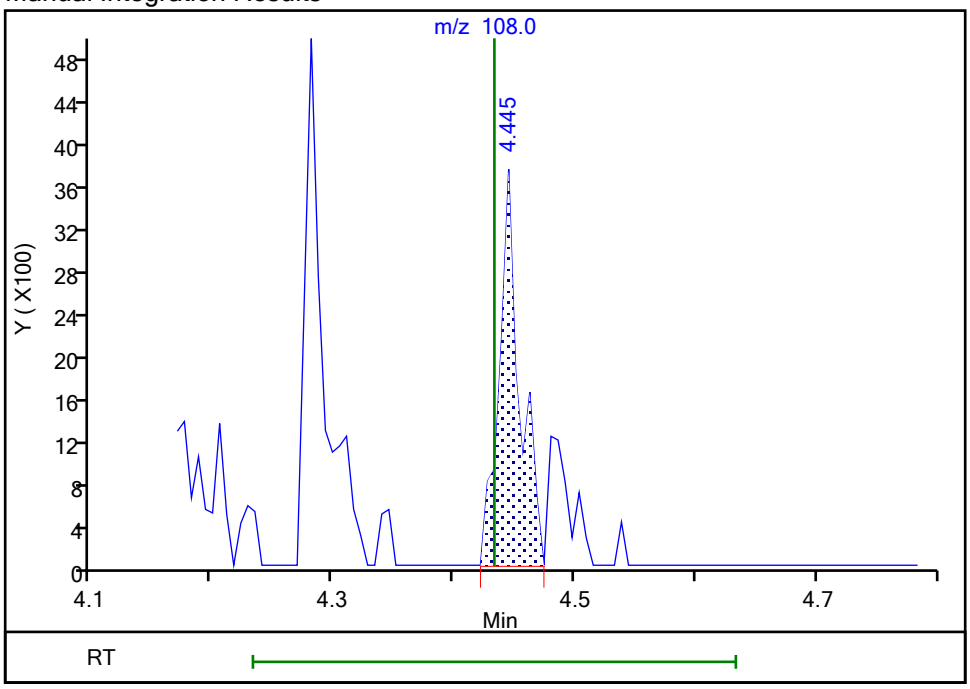
Processing Integration Results

RT: 4.48
Area: 1525
Amount: 0.116753
Amount Units: ug/ml



Manual Integration Results

RT: 4.45
Area: 4412
Amount: 0.096367
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:03 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

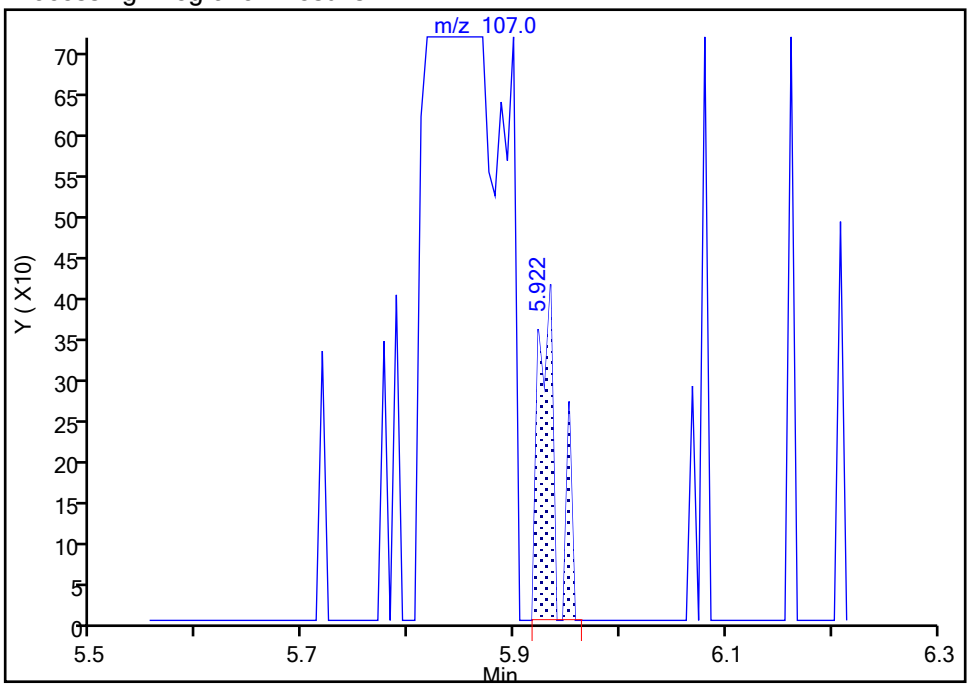
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

65 4-Chloro-3-methylphenol, CAS: 59-50-7

Signal: 1

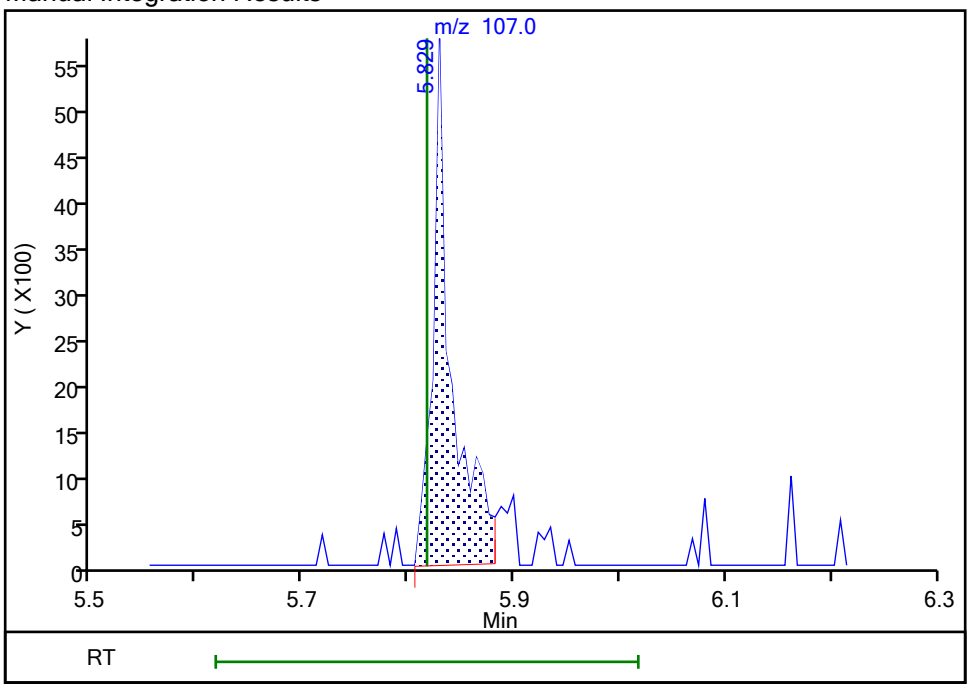
Processing Integration Results

RT: 5.92
Area: 461
Amount: 0.098187
Amount Units: ug/ml



Manual Integration Results

RT: 5.83
Area: 6965
Amount: 0.158428
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:19 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

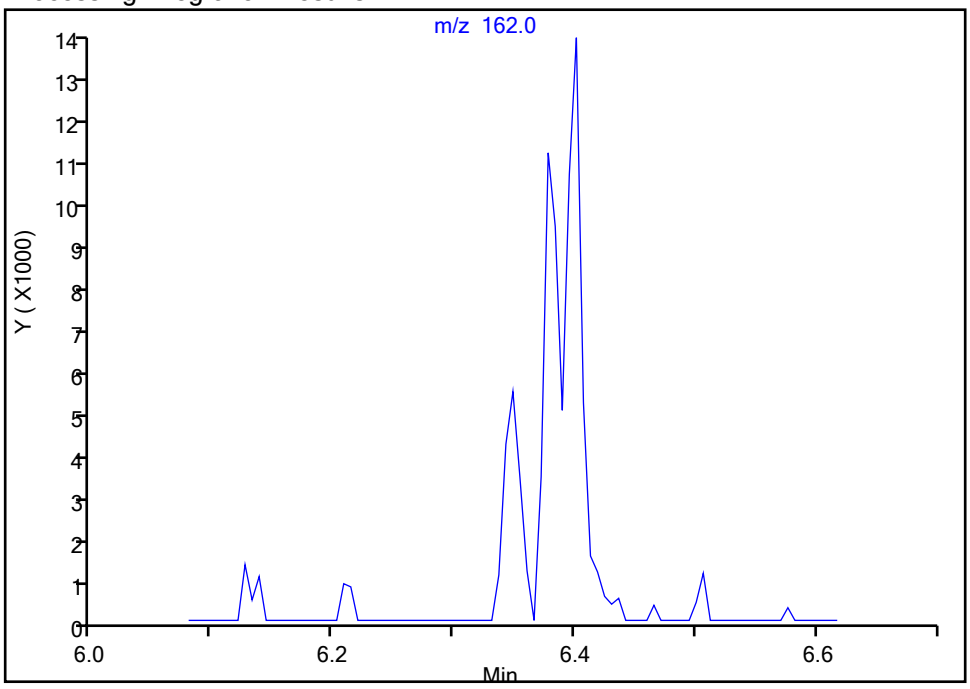
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

82 Isosafrole Peak 2, CAS: STL03316

Signal: 1

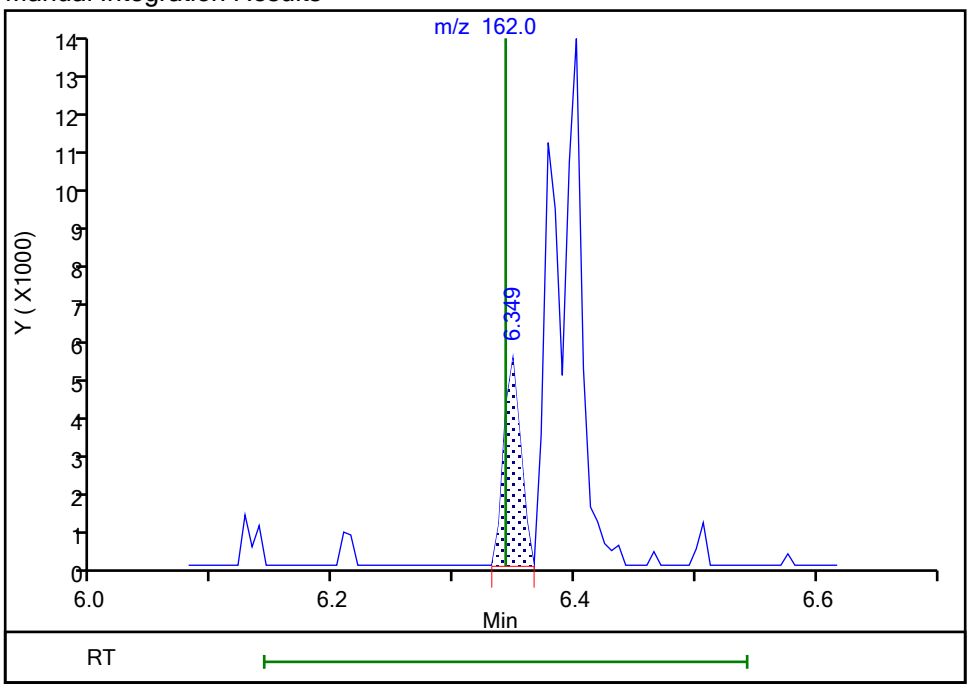
Not Detected
Expected RT: 6.34

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 5043
Amount: 0.124240
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

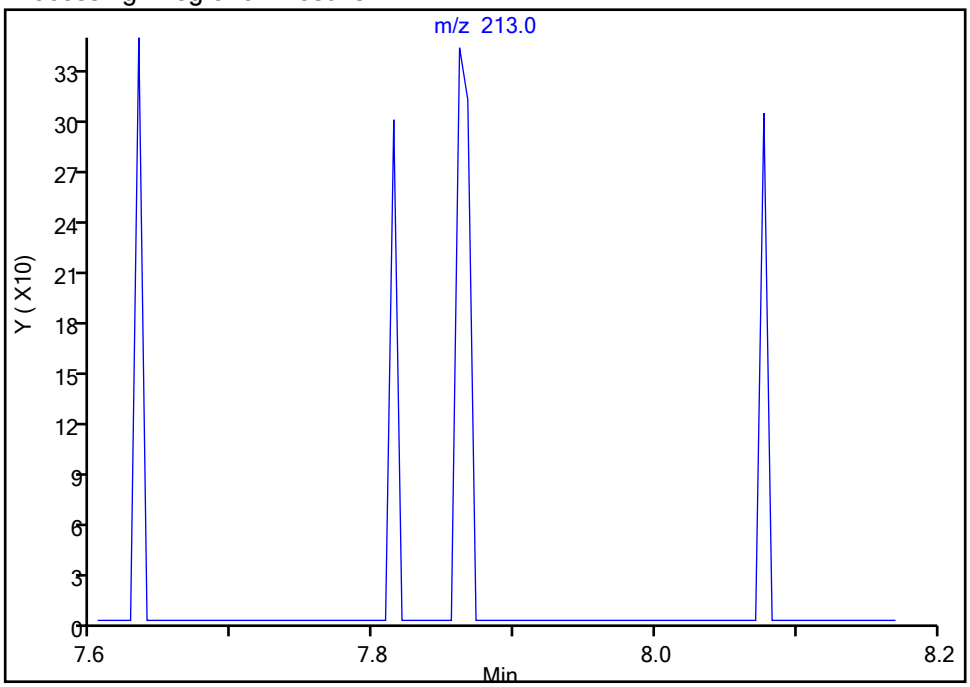
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

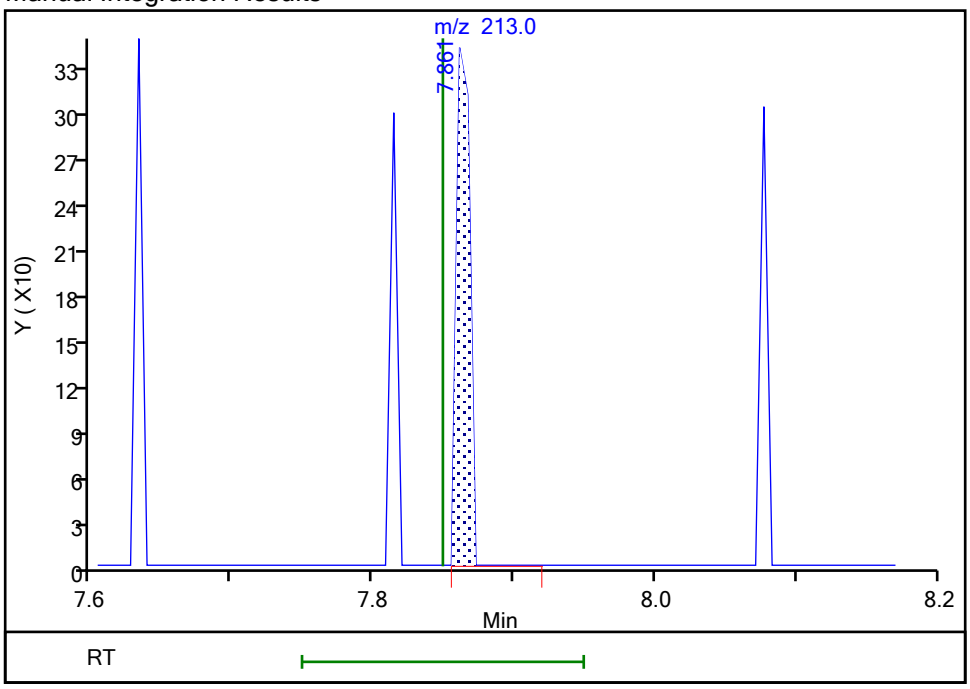
Not Detected
Expected RT: 7.85

Processing Integration Results



Manual Integration Results

RT: 7.86
Area: 228
Amount: 0.025320
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:44 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

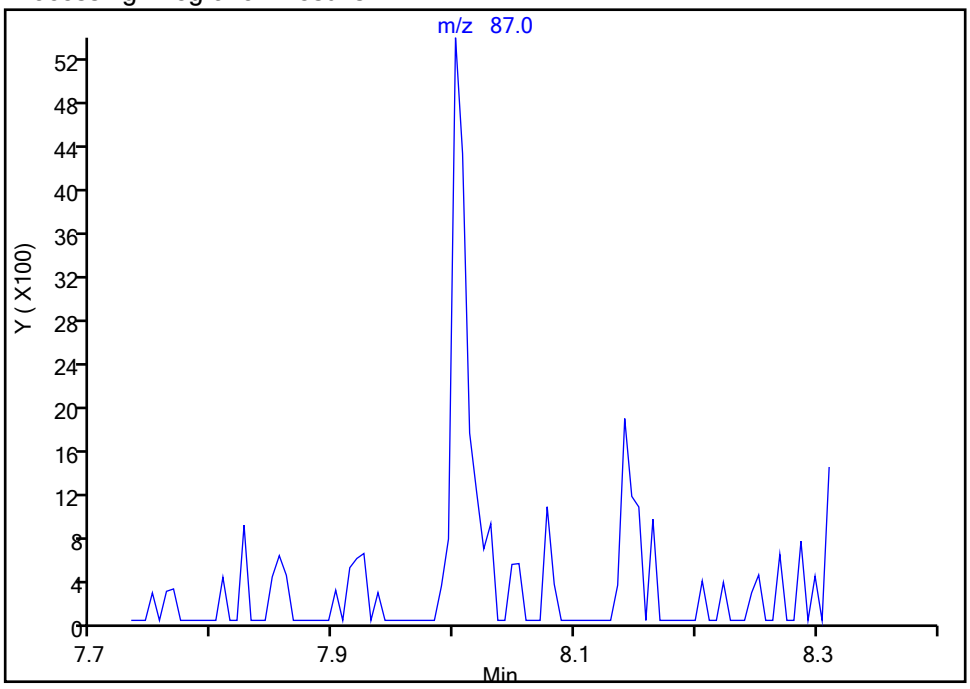
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

125 Dimethoate, CAS: 60-51-5

Signal: 1

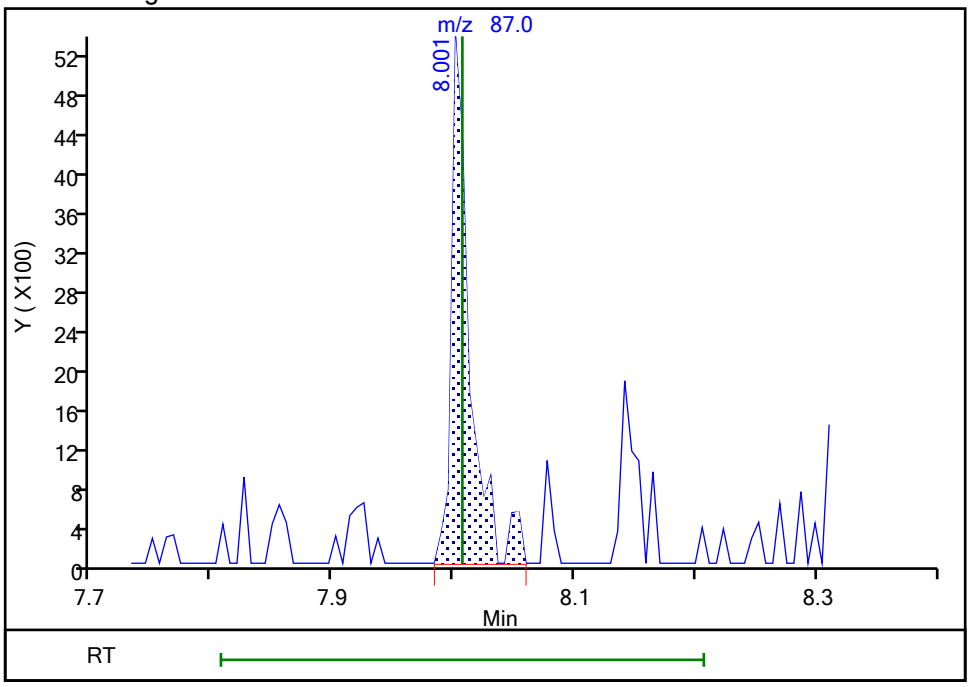
Not Detected
Expected RT: 8.01

Processing Integration Results



Manual Integration Results

RT: 8.00
Area: 5690
Amount: 0.123461
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:51:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

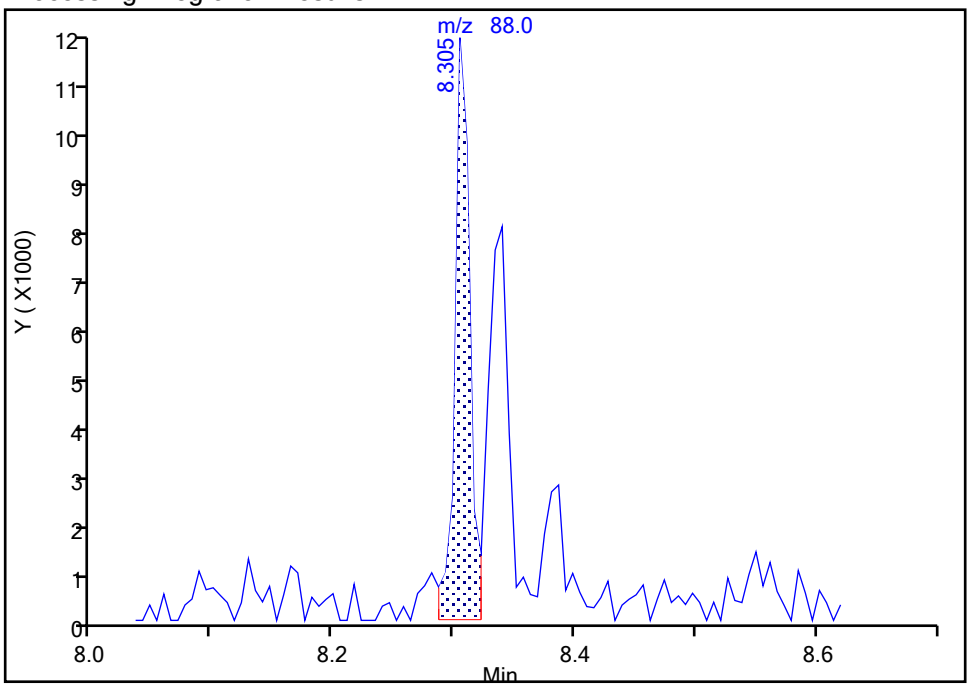
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

134 Disulfoton, CAS: 298-04-4

Signal: 1

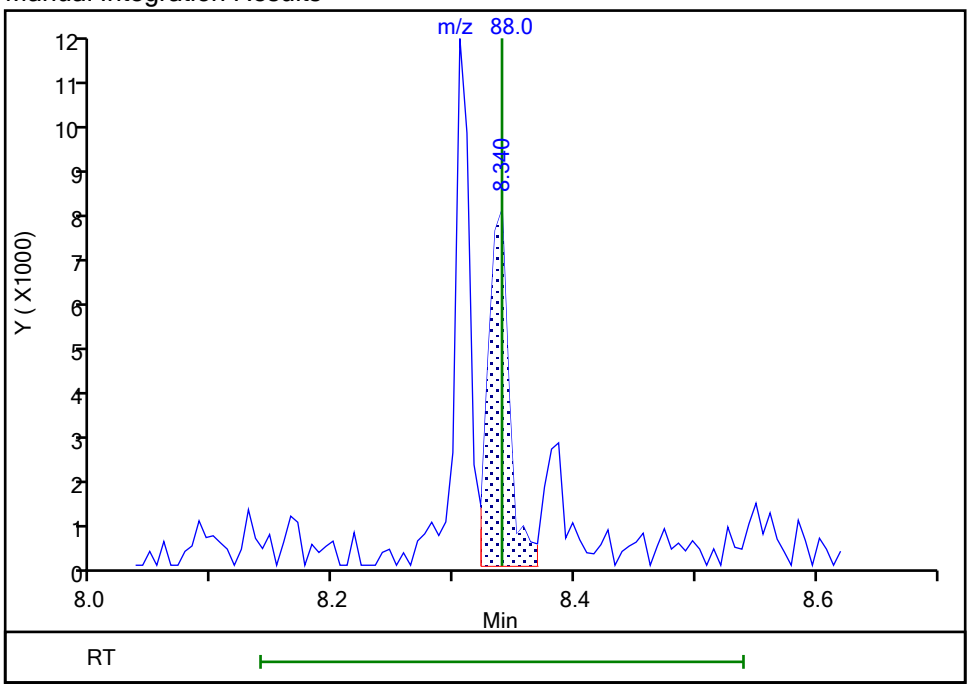
Processing Integration Results

RT: 8.30
Area: 9715
Amount: 0.130246
Amount Units: ug/ml



Manual Integration Results

RT: 8.34
Area: 9247
Amount: 0.124754
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:52:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

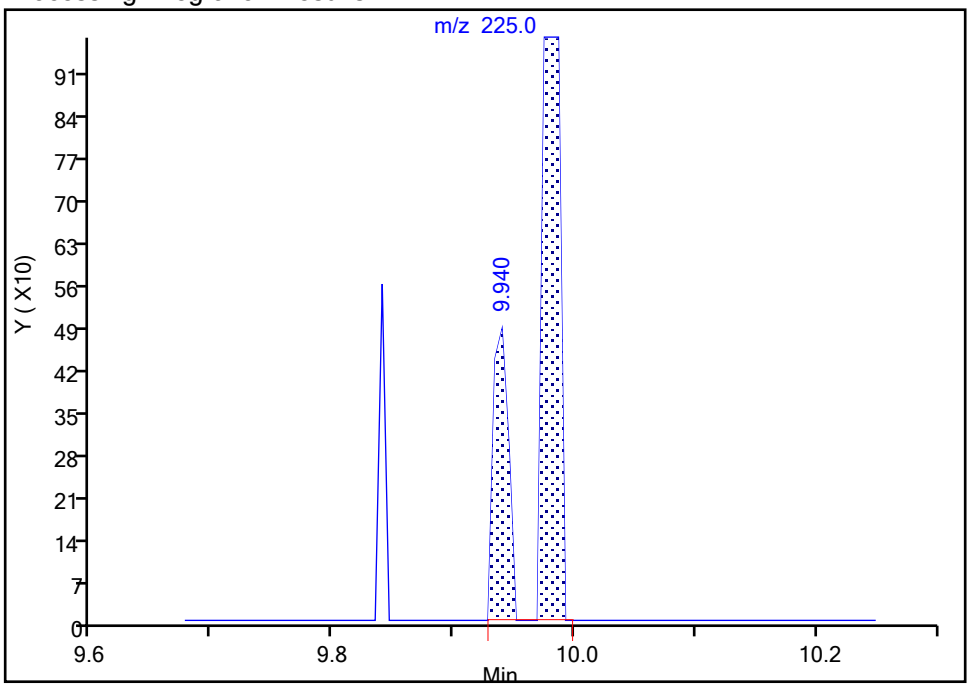
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

149 p-Dimethylamino azobenzene, CAS: 60-11-7

Signal: 1

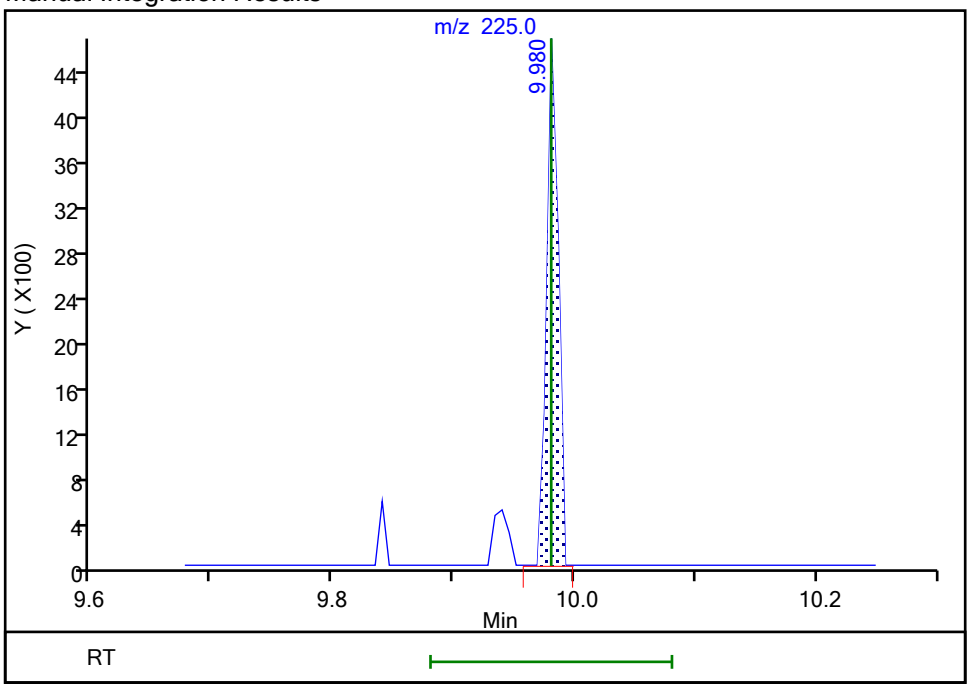
Processing Integration Results

RT: 9.94
Area: 3493
Amount: 0.162716
Amount Units: ug/ml



Manual Integration Results

RT: 9.98
Area: 3069
Amount: 0.145845
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:52:14 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

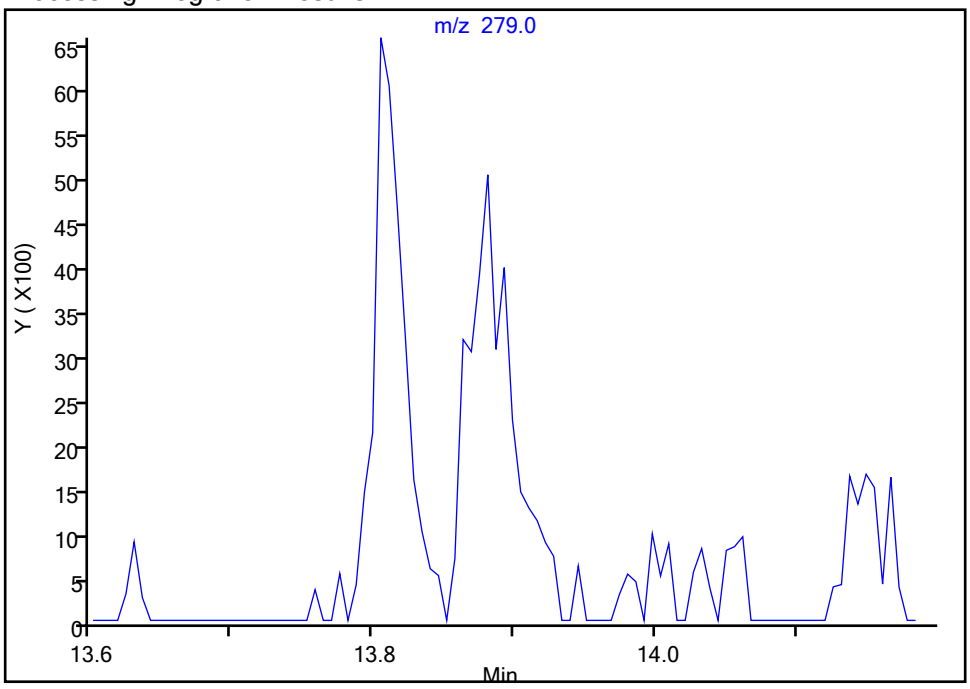
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D				
Injection Date:	26-Jun-2025 01:38:30	Instrument ID:	HP23264		
Lims ID:	IC L1				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

170 Dibenz[a,j]acridine, CAS: 224-42-0

Signal: 1

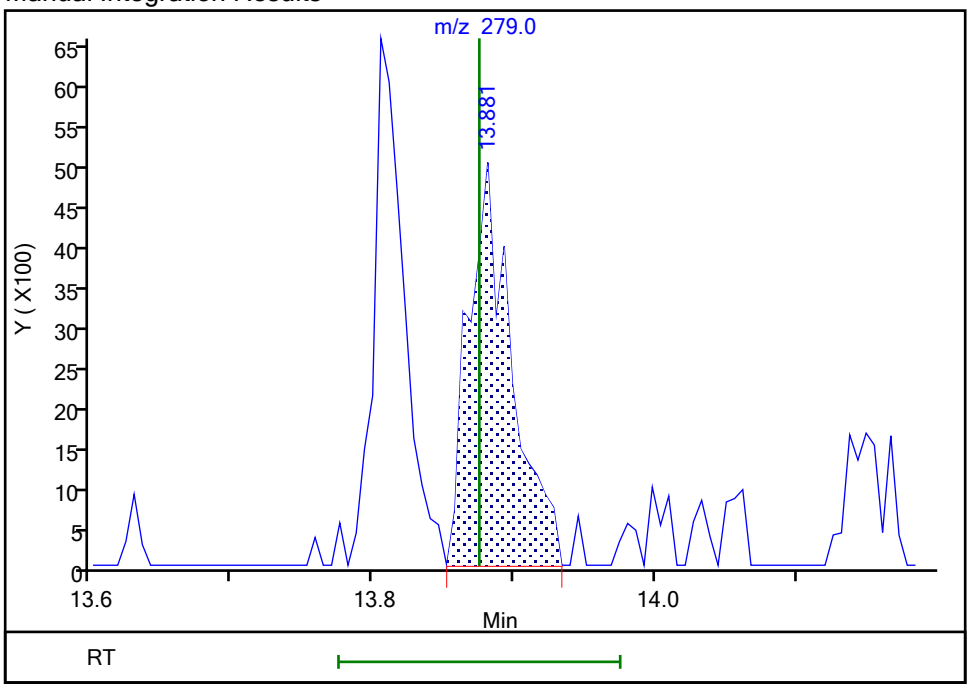
Not Detected
Expected RT: 13.87

Processing Integration Results



Manual Integration Results

RT: 13.88
Area: 10675
Amount: 0.129396
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:49:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

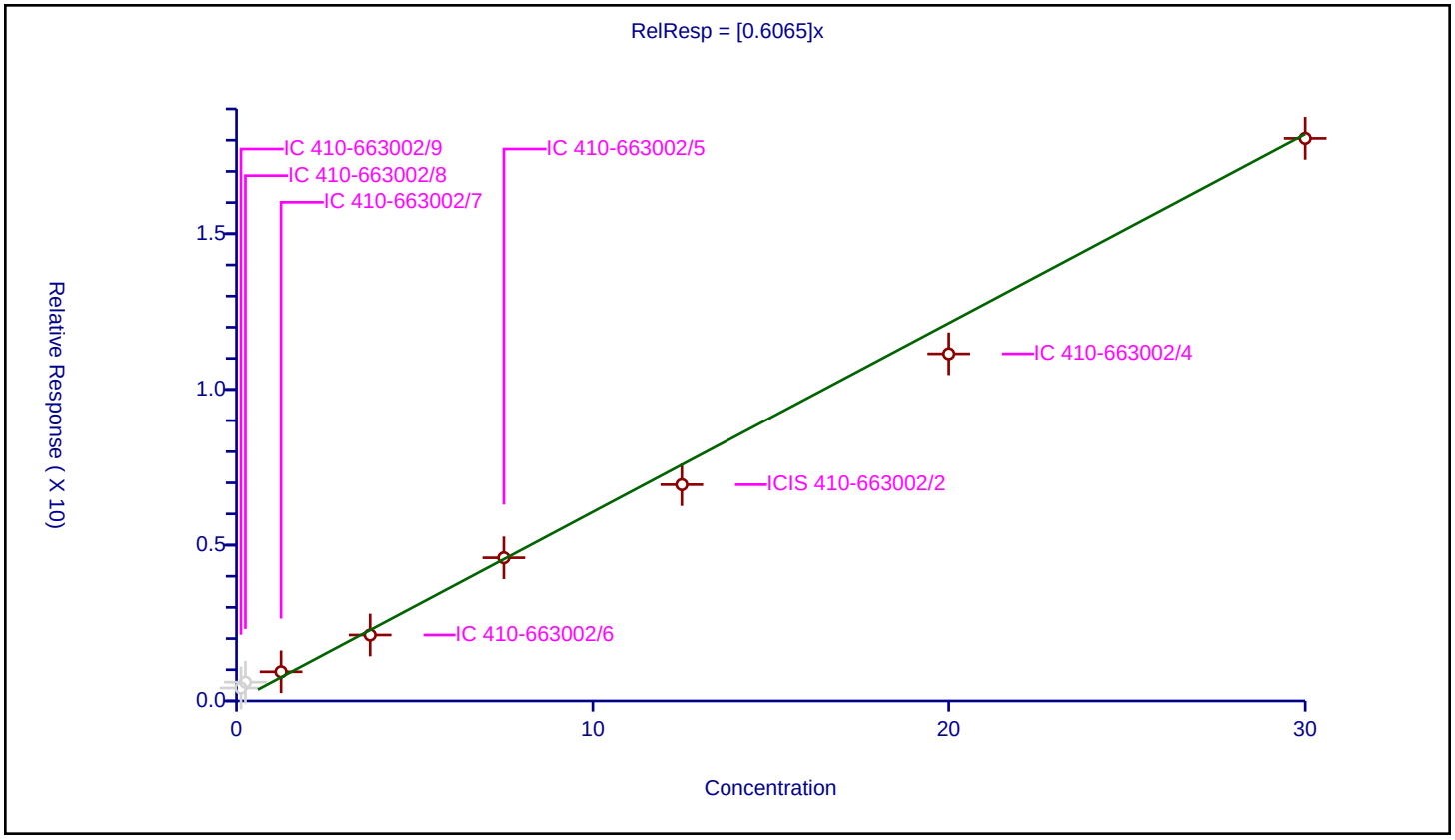
Curve Coefficients

Intercept:	0
Slope:	0.6065

Error Coefficients

Relative Standard Deviation:	12.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.415324	5.0	156408.0	3.322592	N
2	IC 410-663002/8	0.25	0.603052	5.0	161976.0	2.412209	N
3	IC 410-663002/7	1.25	0.93473	5.0	159383.0	0.747784	Y
4	IC 410-663002/6	3.75	2.115166	5.0	183040.0	0.564044	Y
5	IC 410-663002/5	7.5	4.594165	5.0	165942.0	0.612555	Y
6	ICIS 410-663002/2	12.5	6.941218	5.0	192866.0	0.555297	Y
7	IC 410-663002/4	20.0	11.146516	5.0	223839.0	0.557326	Y
8	IC 410-663002/3	30.0	18.058405	5.0	184315.0	0.601947	Y



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Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

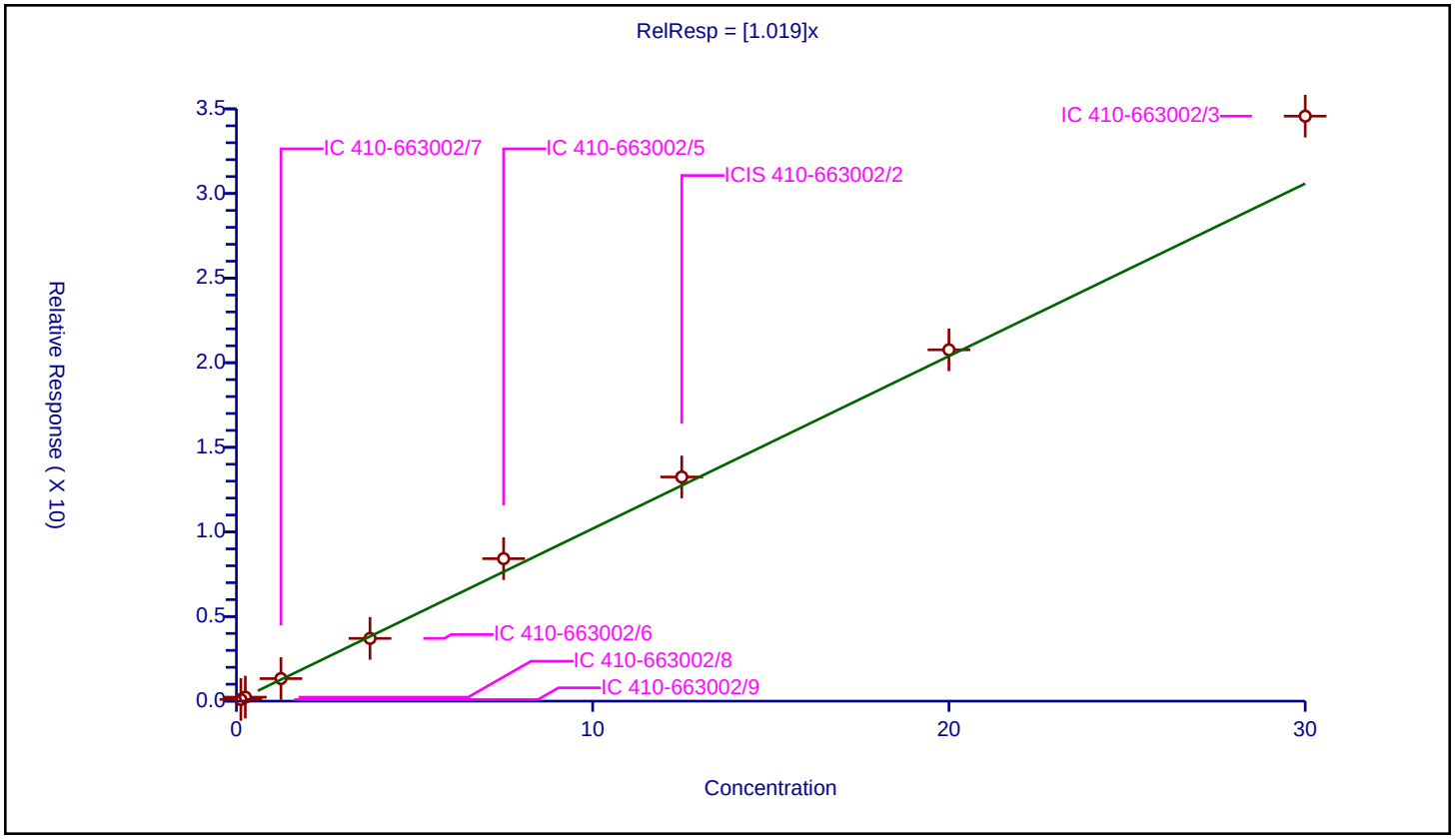
Curve Coefficients

Intercept:	0
Slope:	1.019

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.098077	5.0	156408.0	0.784615	Y
2	IC 410-663002/8	0.25	0.23593	5.0	161976.0	0.94372	Y
3	IC 410-663002/7	1.25	1.332576	5.0	159383.0	1.066061	Y
4	IC 410-663002/6	3.75	3.706895	5.0	183040.0	0.988505	Y
5	IC 410-663002/5	7.5	8.419387	5.0	165942.0	1.122585	Y
6	ICIS 410-663002/2	12.5	13.247773	5.0	192866.0	1.059822	Y
7	IC 410-663002/4	20.0	20.763562	5.0	223839.0	1.038178	Y
8	IC 410-663002/3	30.0	34.570274	5.0	184315.0	1.152342	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

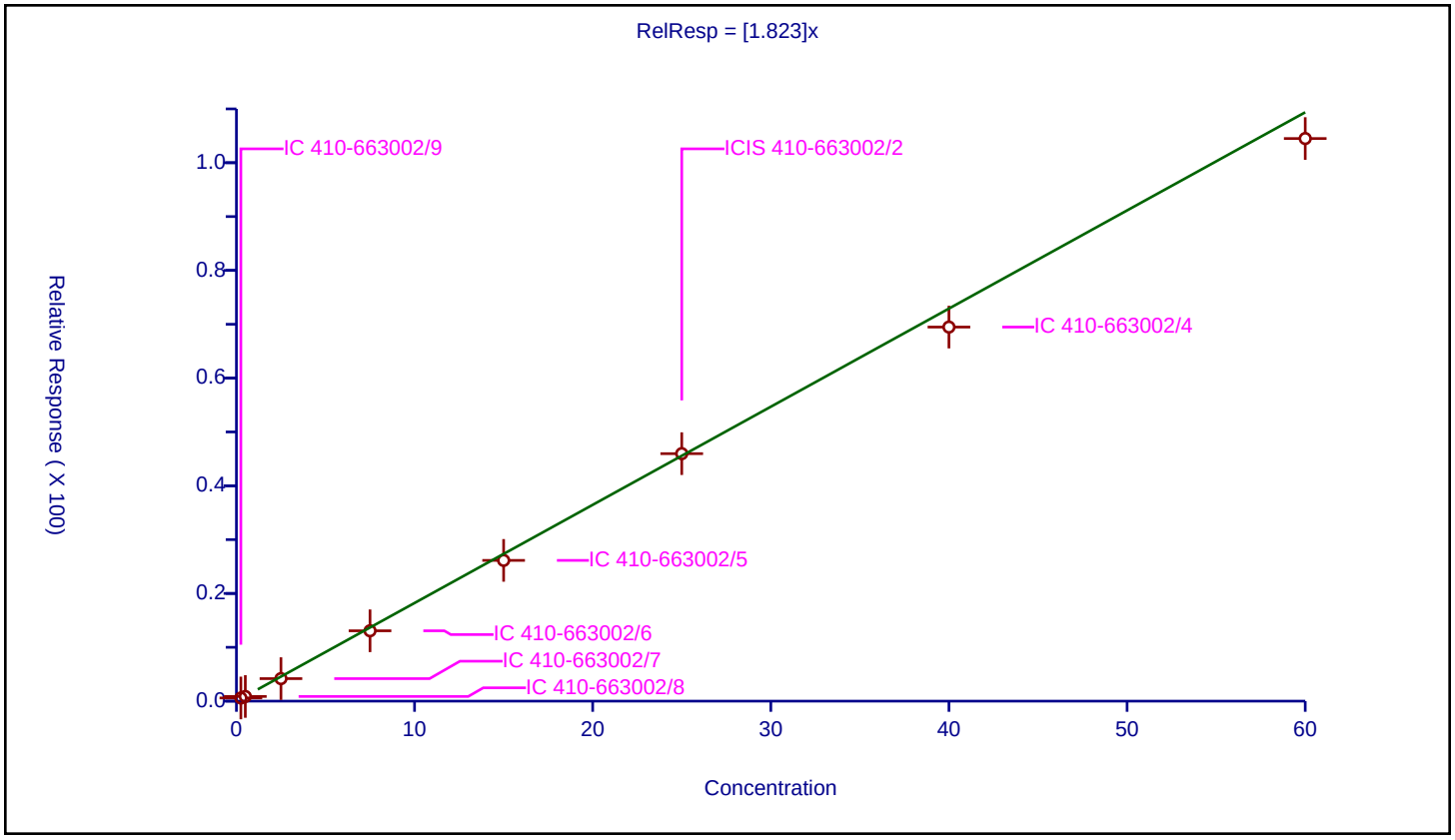
Curve Coefficients

Intercept:	0
Slope:	1.823

Error Coefficients

Relative Standard Deviation:	12.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.591786	5.0	156408.0	2.367142	Y
2	IC 410-663002/8	0.5	0.869635	5.0	161976.0	1.73927	Y
3	IC 410-663002/7	2.5	4.1847	5.0	159383.0	1.67388	Y
4	IC 410-663002/6	7.5	13.065396	5.0	183040.0	1.742053	Y
5	IC 410-663002/5	15.0	26.143291	5.0	165942.0	1.742886	Y
6	ICIS 410-663002/2	25.0	45.9686	5.0	192866.0	1.838744	Y
7	IC 410-663002/4	40.0	69.477839	5.0	223839.0	1.736946	Y
8	IC 410-663002/3	60.0	104.491848	5.0	184315.0	1.741531	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

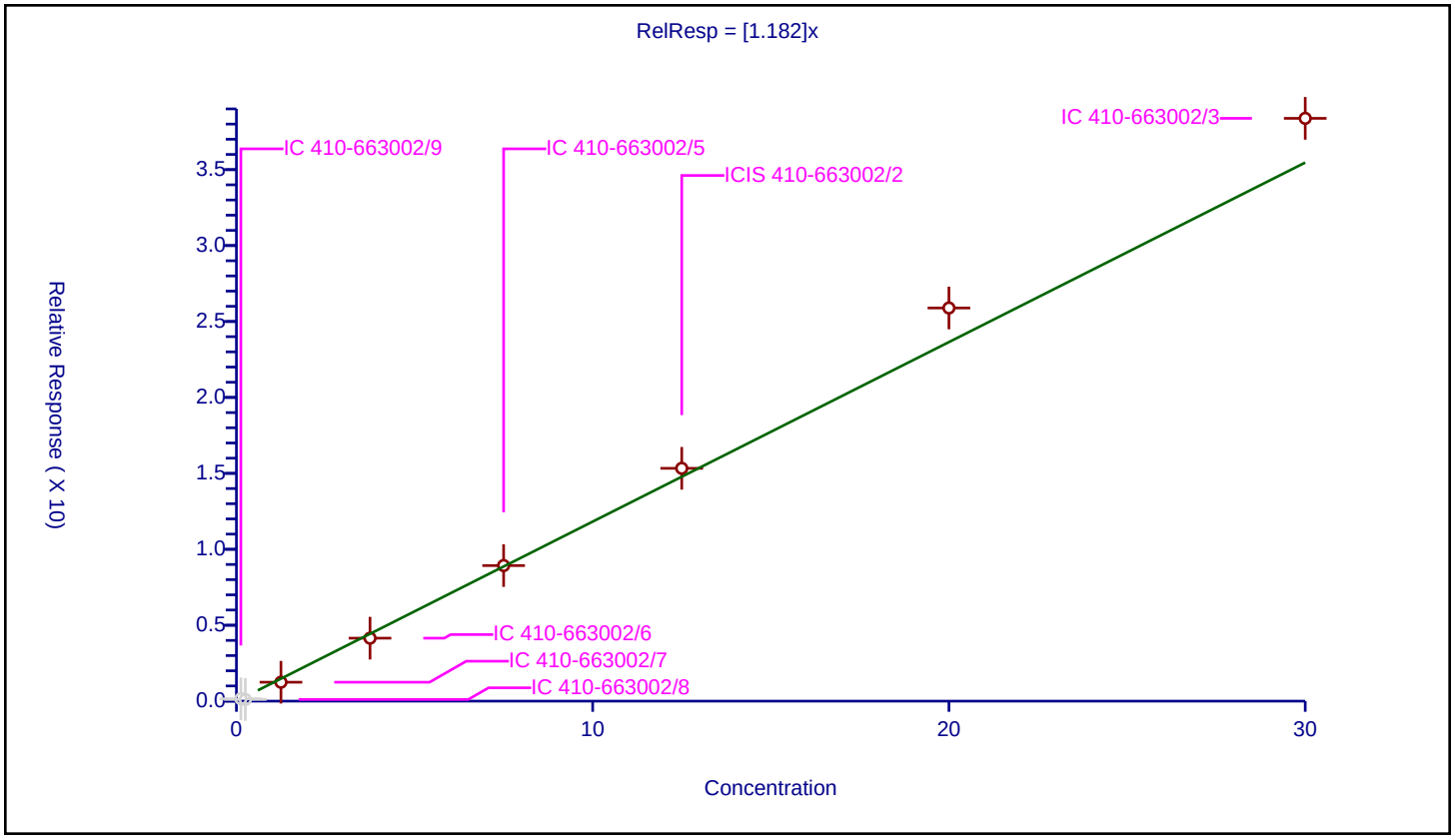
Curve Coefficients

Intercept:	0
Slope:	1.182

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.156194	5.0	156408.0	1.249552	N
2	IC 410-663002/8	0.25	0.110109	5.0	161976.0	0.440436	N
3	IC 410-663002/7	1.25	1.245836	5.0	159383.0	0.996668	Y
4	IC 410-663002/6	3.75	4.147181	5.0	183040.0	1.105915	Y
5	IC 410-663002/5	7.5	8.927698	5.0	165942.0	1.19036	Y
6	ICIS 410-663002/2	12.5	15.330618	5.0	192866.0	1.226449	Y
7	IC 410-663002/4	20.0	25.890037	5.0	223839.0	1.294502	Y
8	IC 410-663002/3	30.0	38.376828	5.0	184315.0	1.279228	Y



Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

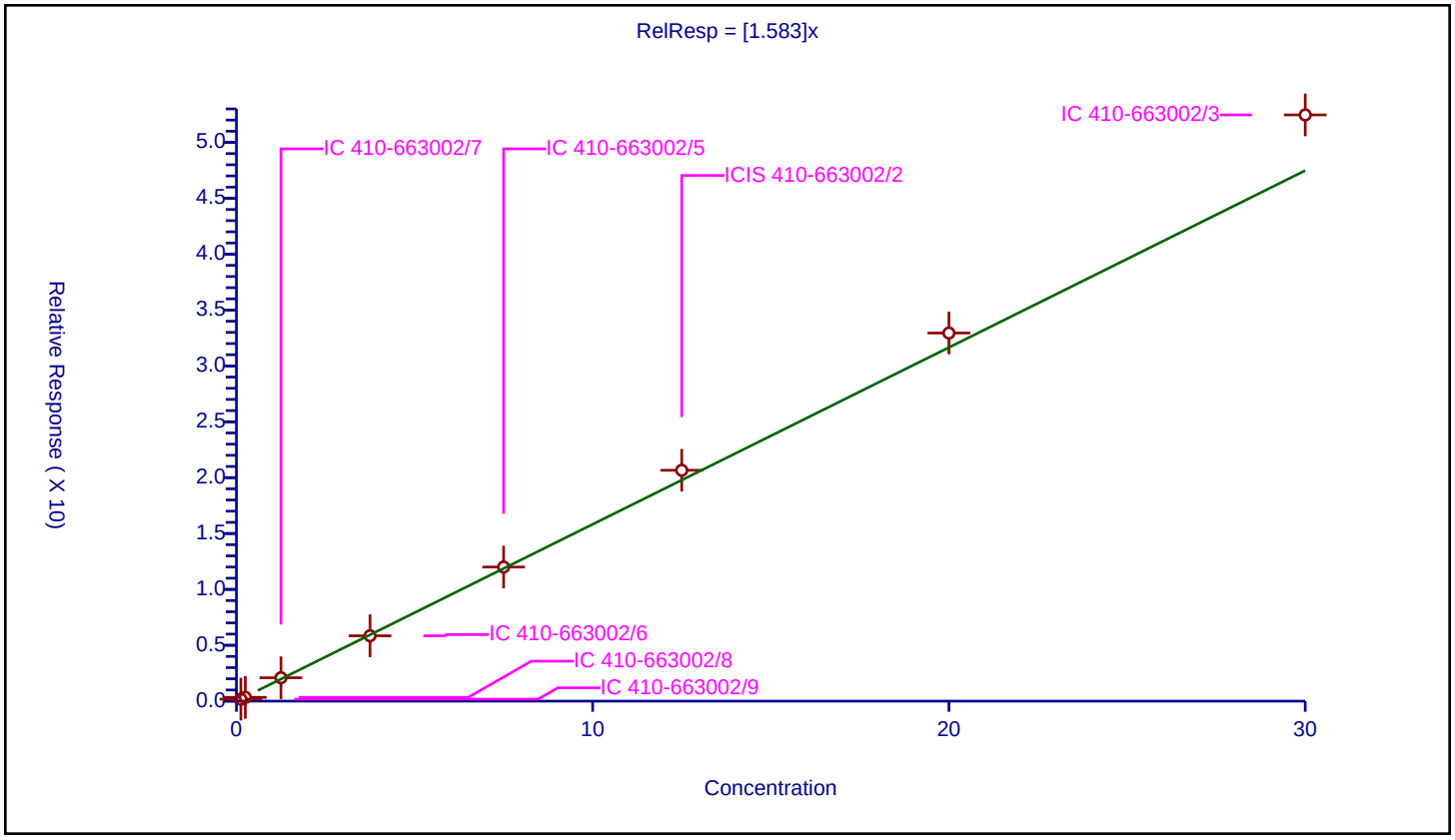
Curve Coefficients

Intercept:	0
Slope:	1.583

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.177516	5.0	156408.0	1.420132	Y
2	IC 410-663002/8	0.25	0.339464	5.0	161976.0	1.357855	Y
3	IC 410-663002/7	1.25	2.094295	5.0	159383.0	1.675436	Y
4	IC 410-663002/6	3.75	5.847984	5.0	183040.0	1.559462	Y
5	IC 410-663002/5	7.5	11.99859	5.0	165942.0	1.599812	Y
6	ICIS 410-663002/2	12.5	20.660355	5.0	192866.0	1.652828	Y
7	IC 410-663002/4	20.0	32.942316	5.0	223839.0	1.647116	Y
8	IC 410-663002/3	30.0	52.460516	5.0	184315.0	1.748684	Y



Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

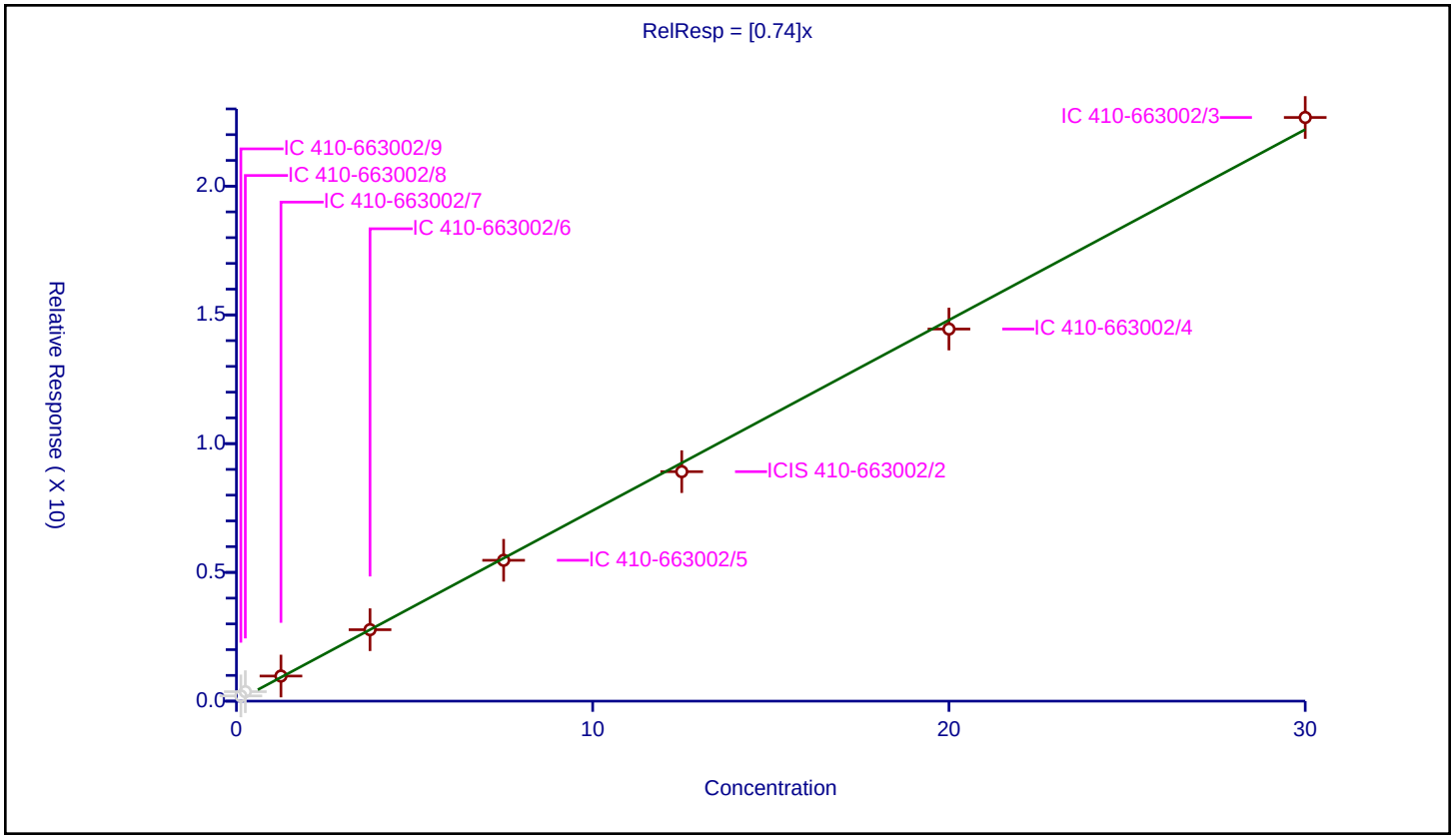
Curve Coefficients

Intercept:	0
Slope:	0.74

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.203474	5.0	156408.0	1.627794	N
2	IC 410-663002/8	0.25	0.367832	5.0	161976.0	1.471329	N
3	IC 410-663002/7	1.25	0.974351	5.0	159383.0	0.779481	Y
4	IC 410-663002/6	3.75	2.774967	5.0	183040.0	0.739991	Y
5	IC 410-663002/5	7.5	5.470044	5.0	165942.0	0.729339	Y
6	ICIS 410-663002/2	12.5	8.912224	5.0	192866.0	0.712978	Y
7	IC 410-663002/4	20.0	14.450208	5.0	223839.0	0.72251	Y
8	IC 410-663002/3	30.0	22.667417	5.0	184315.0	0.755581	Y



Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

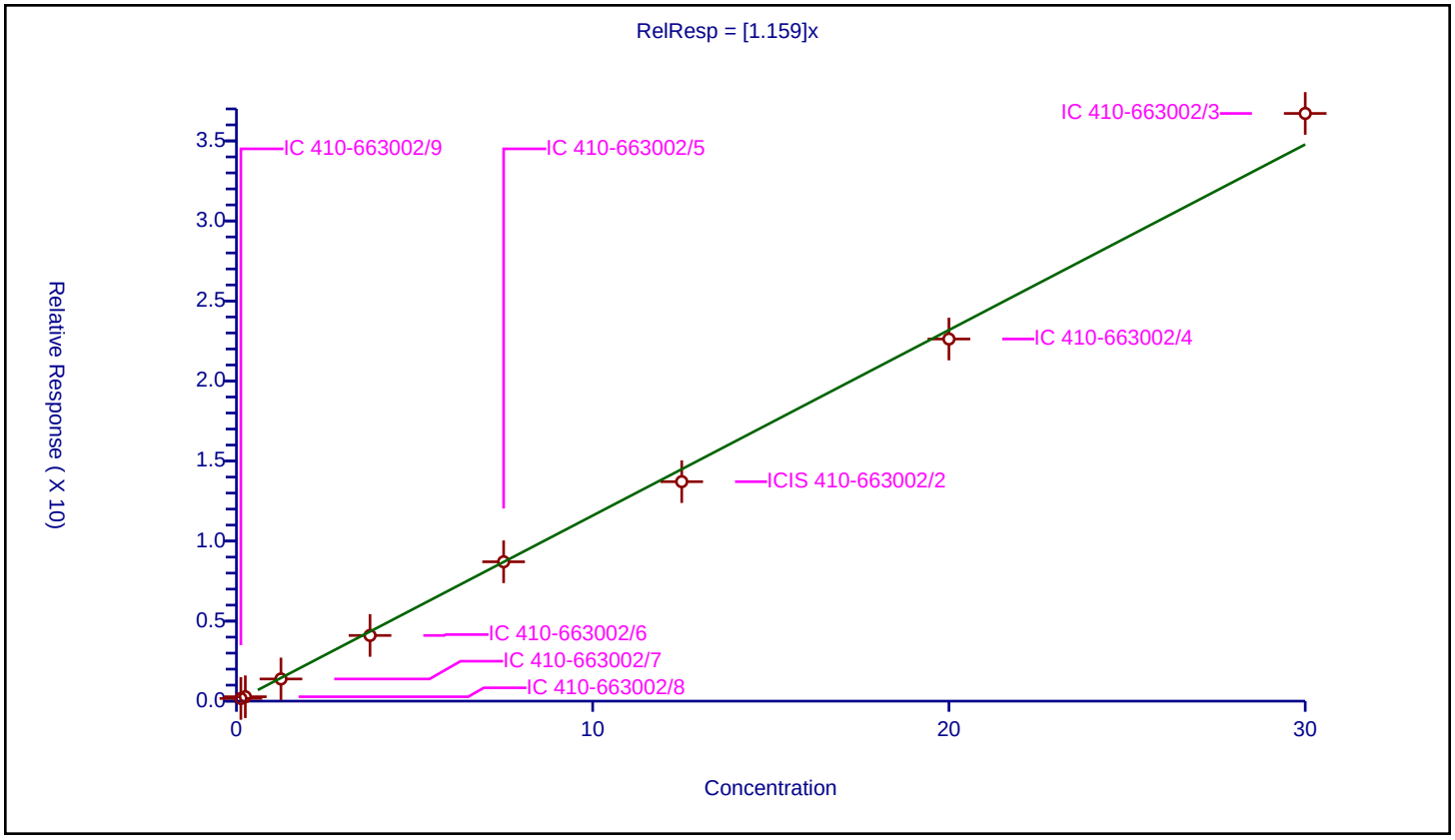
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.169493	5.0	156408.0	1.355941	Y
2	IC 410-663002/8	0.25	0.275627	5.0	161976.0	1.102509	Y
3	IC 410-663002/7	1.25	1.385844	5.0	159383.0	1.108675	Y
4	IC 410-663002/6	3.75	4.10372	5.0	183040.0	1.094325	Y
5	IC 410-663002/5	7.5	8.705813	5.0	165942.0	1.160775	Y
6	ICIS 410-663002/2	12.5	13.712292	5.0	192866.0	1.096983	Y
7	IC 410-663002/4	20.0	22.623604	5.0	223839.0	1.13118	Y
8	IC 410-663002/3	30.0	36.716002	5.0	184315.0	1.223867	Y



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Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

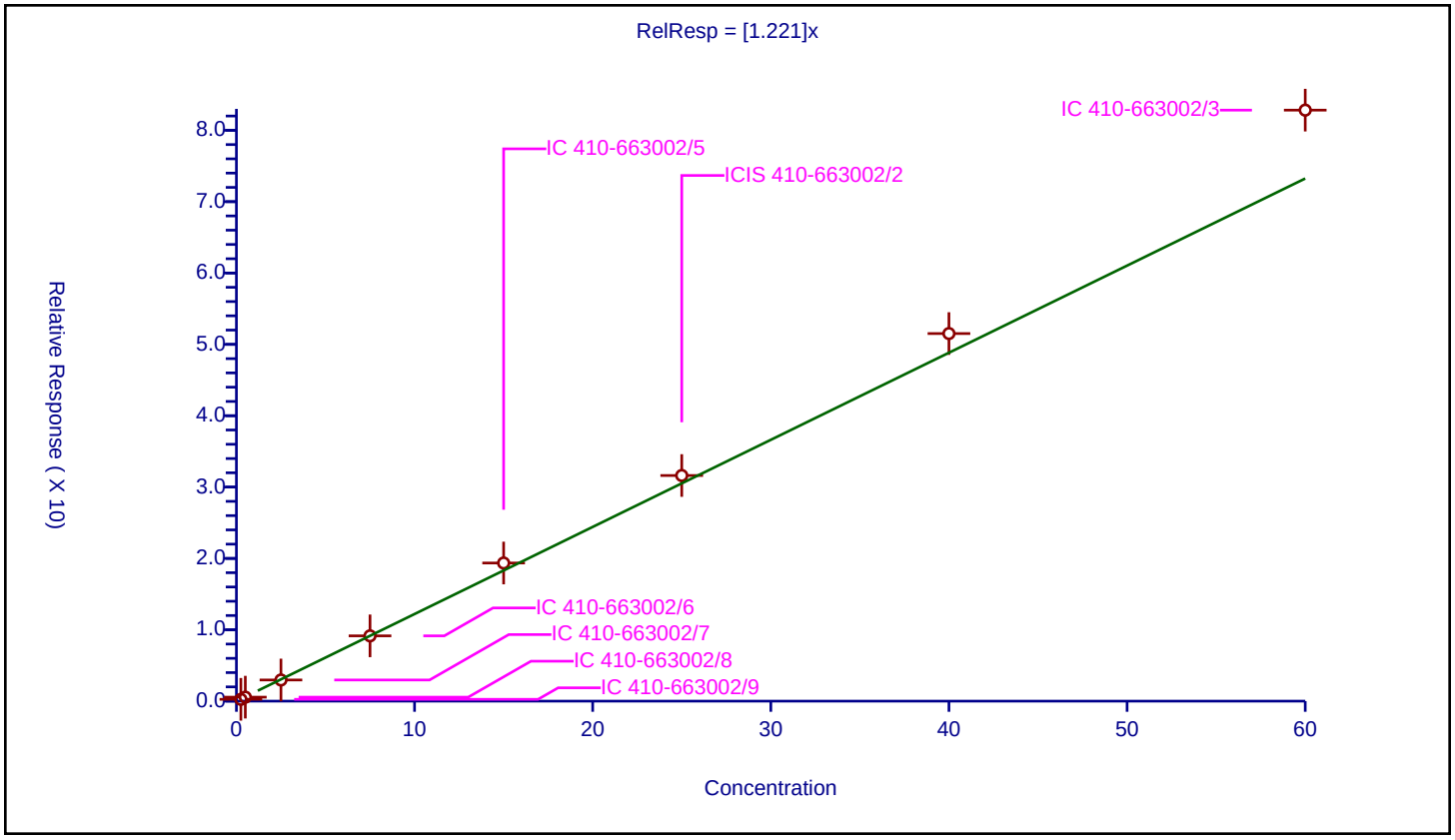
Curve Coefficients

Intercept:	0
Slope:	1.221

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.25539	5.0	156408.0	1.021559	Y
2	IC 410-663002/8	0.5	0.557305	5.0	161976.0	1.11461	Y
3	IC 410-663002/7	2.5	2.965122	5.0	159383.0	1.186049	Y
4	IC 410-663002/6	7.5	9.149148	5.0	183040.0	1.219886	Y
5	IC 410-663002/5	15.0	19.357727	5.0	165942.0	1.290515	Y
6	ICIS 410-663002/2	25.0	31.621203	5.0	192866.0	1.264848	Y
7	IC 410-663002/4	40.0	51.514124	5.0	223839.0	1.287853	Y
8	IC 410-663002/3	60.0	82.824404	5.0	184315.0	1.380407	Y



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Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

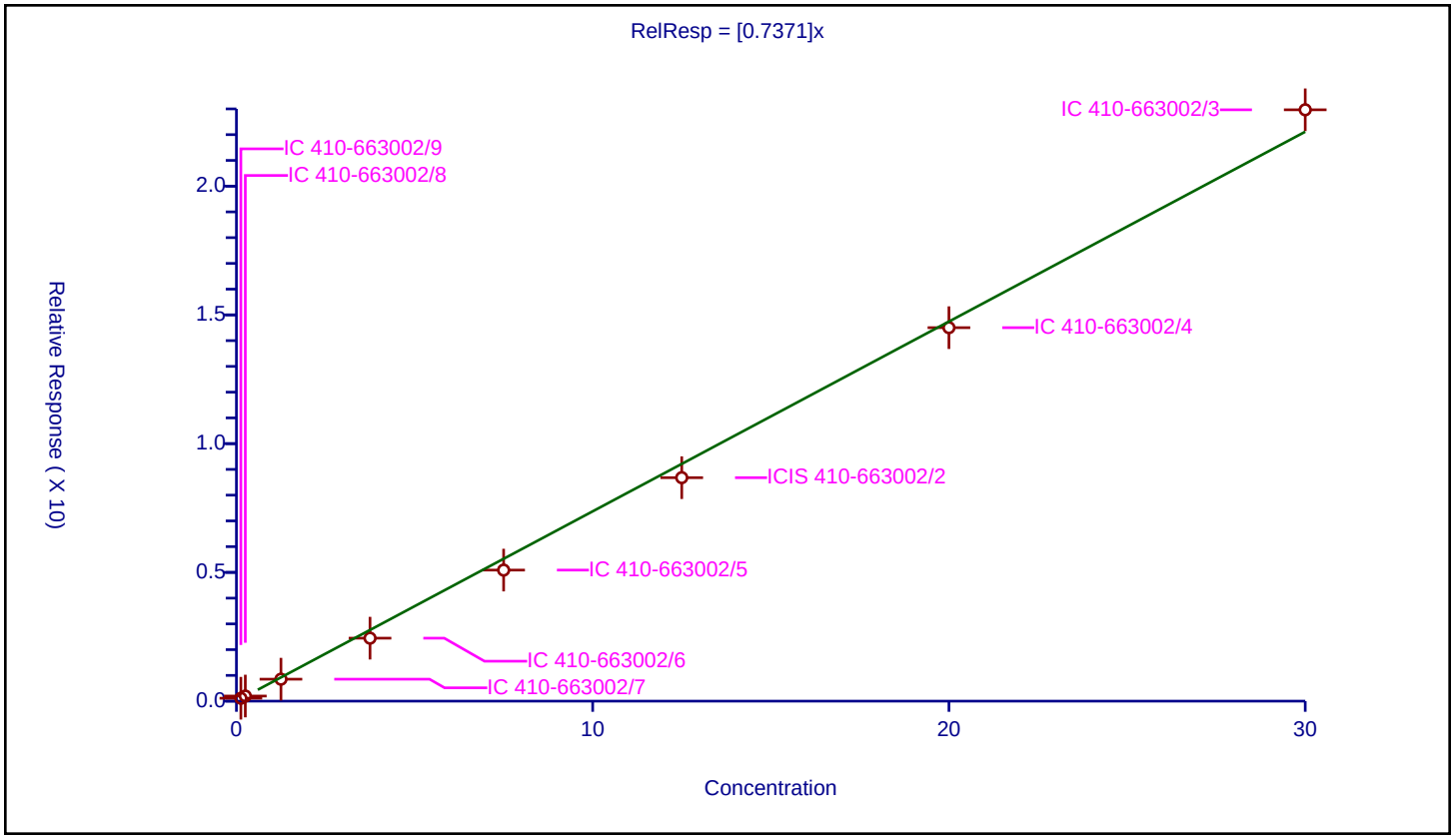
Curve Coefficients

Intercept:	0
Slope:	0.7371

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.113485	5.0	156408.0	0.907882	Y
2	IC 410-663002/8	0.25	0.197776	5.0	161976.0	0.791105	Y
3	IC 410-663002/7	1.25	0.852287	5.0	159383.0	0.681829	Y
4	IC 410-663002/6	3.75	2.446023	5.0	183040.0	0.652273	Y
5	IC 410-663002/5	7.5	5.089188	5.0	165942.0	0.678558	Y
6	ICIS 410-663002/2	12.5	8.678953	5.0	192866.0	0.694316	Y
7	IC 410-663002/4	20.0	14.503482	5.0	223839.0	0.725174	Y
8	IC 410-663002/3	30.0	22.964436	5.0	184315.0	0.765481	Y



Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

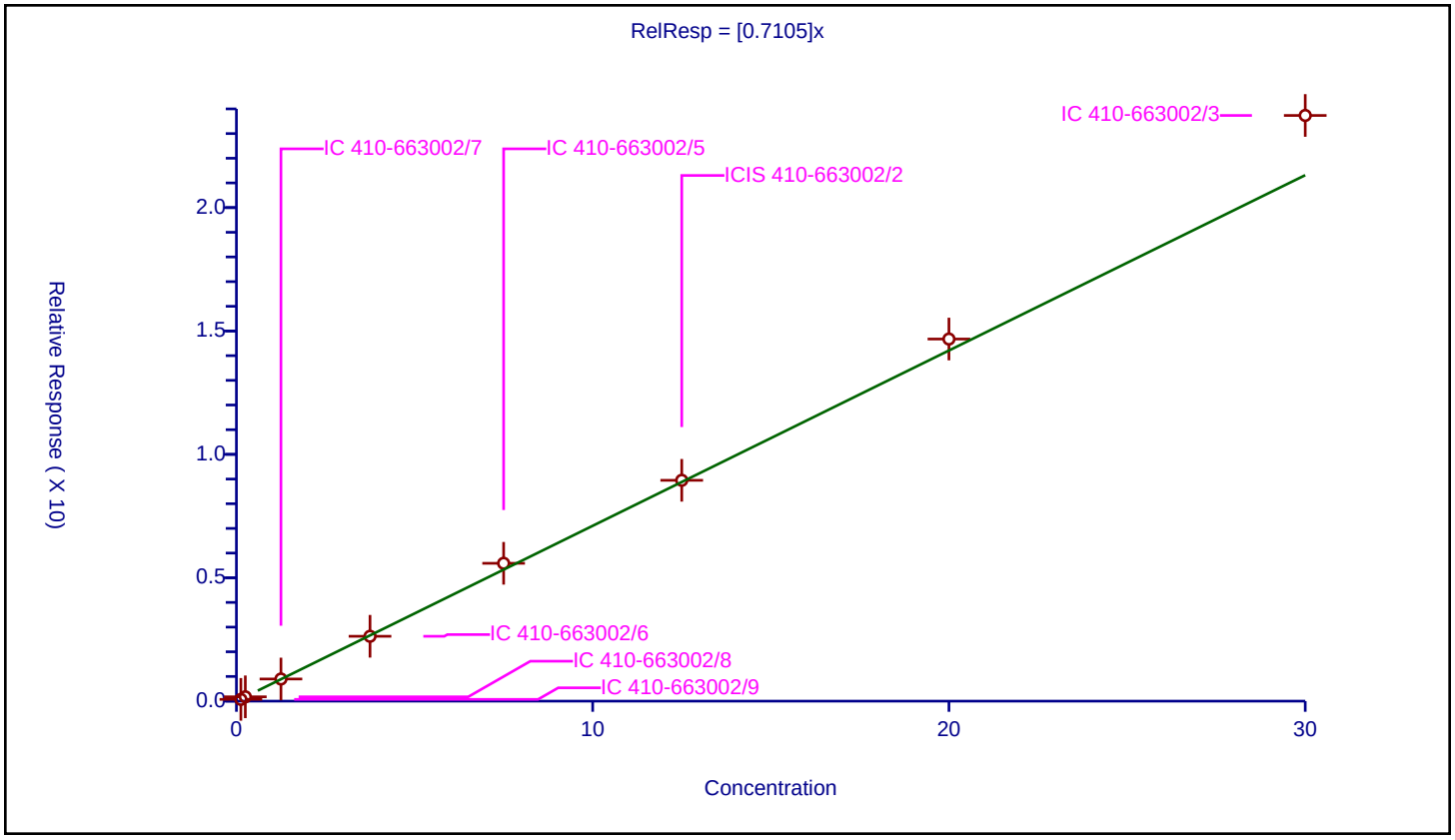
Curve Coefficients

Intercept:	0
Slope:	0.7105

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.072023	5.0	156408.0	0.576185	Y
2	IC 410-663002/8	0.25	0.175859	5.0	161976.0	0.703438	Y
3	IC 410-663002/7	1.25	0.897273	5.0	159383.0	0.717818	Y
4	IC 410-663002/6	3.75	2.628223	5.0	183040.0	0.70086	Y
5	IC 410-663002/5	7.5	5.585446	5.0	165942.0	0.744726	Y
6	ICIS 410-663002/2	12.5	8.949115	5.0	192866.0	0.715929	Y
7	IC 410-663002/4	20.0	14.673605	5.0	223839.0	0.73368	Y
8	IC 410-663002/3	30.0	23.73369	5.0	184315.0	0.791123	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

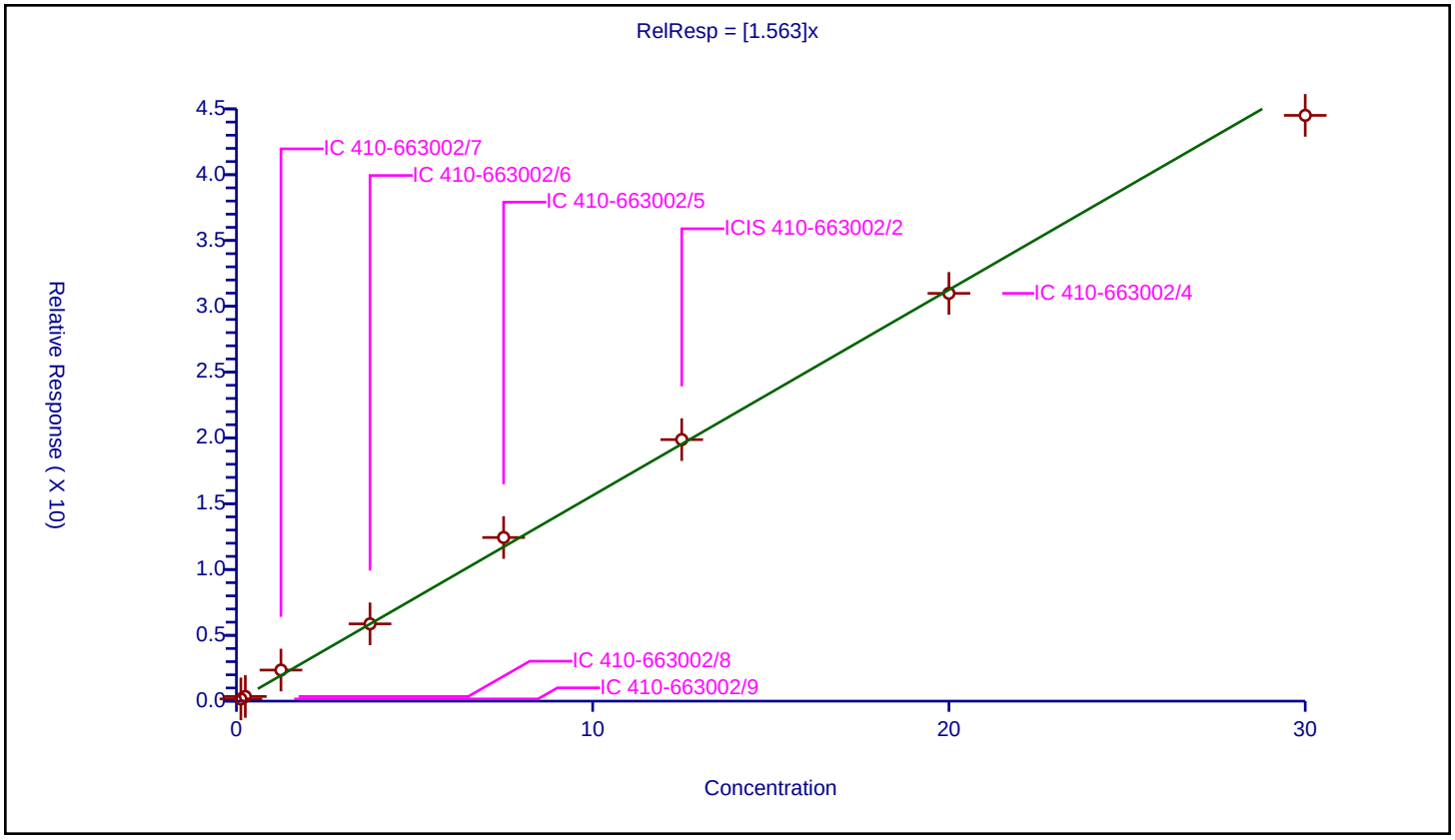
Curve Coefficients

Intercept:	0
Slope:	1.563

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.168182	5.0	156408.0	1.345455	Y
2	IC 410-663002/8	0.25	0.35533	5.0	161976.0	1.421322	Y
3	IC 410-663002/7	1.25	2.361481	5.0	159383.0	1.889185	Y
4	IC 410-663002/6	3.75	5.871749	5.0	183040.0	1.5658	Y
5	IC 410-663002/5	7.5	12.432386	5.0	165942.0	1.657651	Y
6	ICIS 410-663002/2	12.5	19.871906	5.0	192866.0	1.589752	Y
7	IC 410-663002/4	20.0	30.984391	5.0	223839.0	1.54922	Y
8	IC 410-663002/3	30.0	44.508287	5.0	184315.0	1.48361	Y



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Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

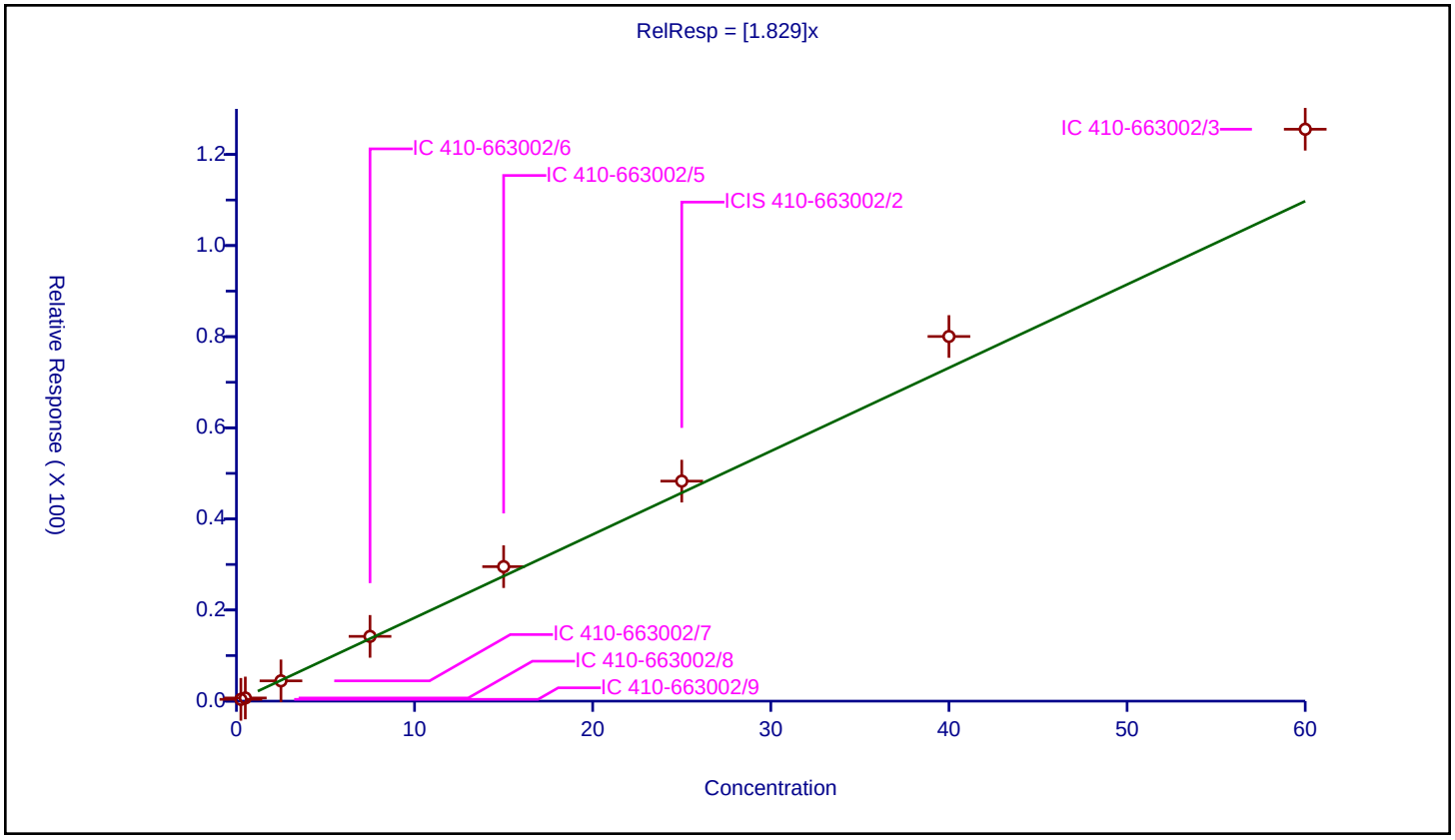
Curve Coefficients

Intercept:	0
Slope:	1.829

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.39365	5.0	156408.0	1.5746	Y
2	IC 410-663002/8	0.5	0.695196	5.0	161976.0	1.390391	Y
3	IC 410-663002/7	2.5	4.450224	5.0	159383.0	1.780089	Y
4	IC 410-663002/6	7.5	14.212631	5.0	183040.0	1.895017	Y
5	IC 410-663002/5	15.0	29.519621	5.0	165942.0	1.967975	Y
6	ICIS 410-663002/2	25.0	48.290886	5.0	192866.0	1.931635	Y
7	IC 410-663002/4	40.0	80.043424	5.0	223839.0	2.001086	Y
8	IC 410-663002/3	60.0	125.531807	5.0	184315.0	2.092197	Y



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Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

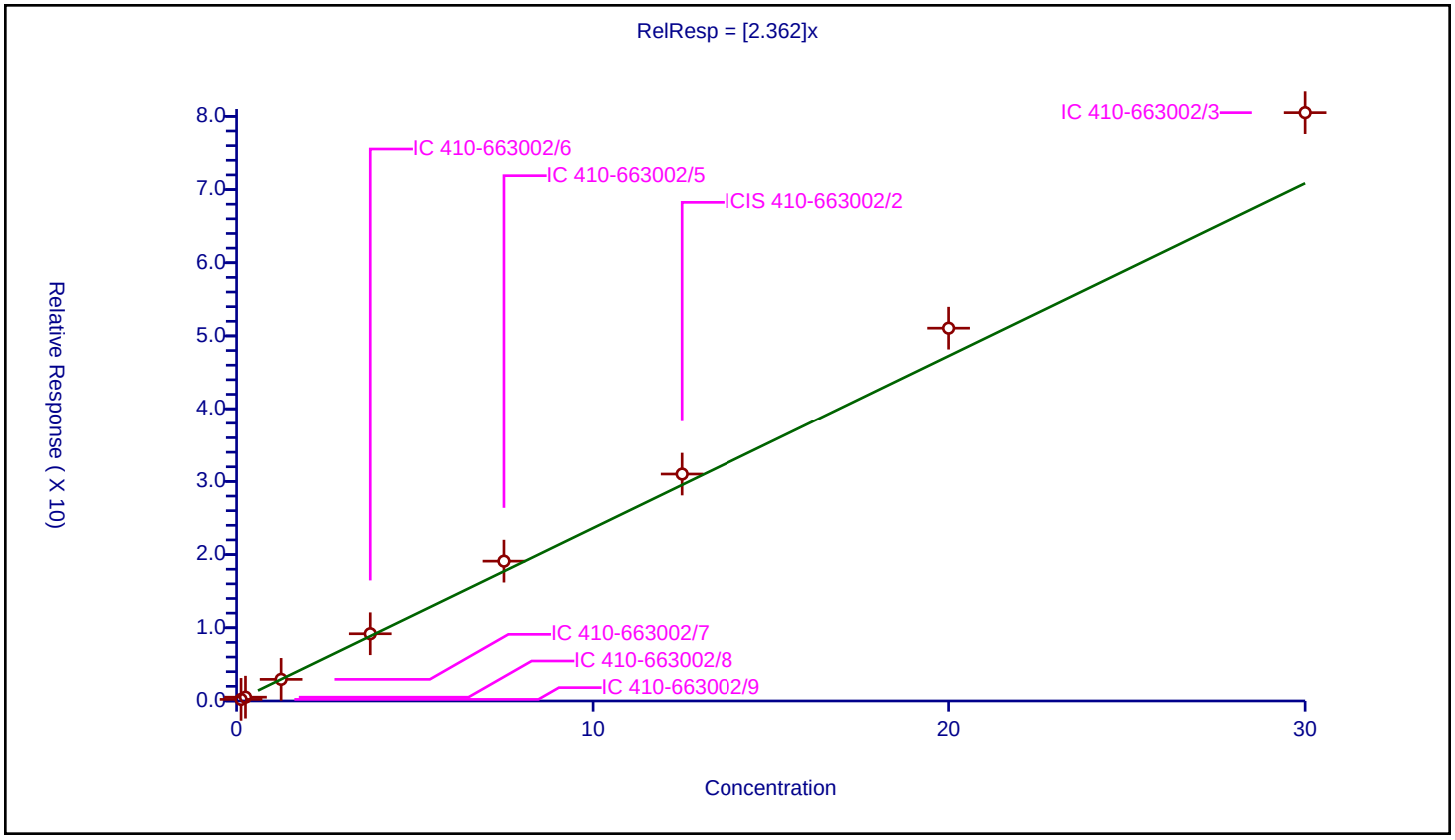
Curve Coefficients

Intercept:	0
Slope:	2.362

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.218371	5.0	156408.0	1.746969	Y
2	IC 410-663002/8	0.25	0.518379	5.0	161976.0	2.073517	Y
3	IC 410-663002/7	1.25	2.952228	5.0	159383.0	2.361783	Y
4	IC 410-663002/6	3.75	9.186052	5.0	183040.0	2.449614	Y
5	IC 410-663002/5	7.5	19.104627	5.0	165942.0	2.547284	Y
6	ICIS 410-663002/2	12.5	31.009665	5.0	192866.0	2.480773	Y
7	IC 410-663002/4	20.0	51.061254	5.0	223839.0	2.553063	Y
8	IC 410-663002/3	30.0	80.505819	5.0	184315.0	2.683527	Y



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Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

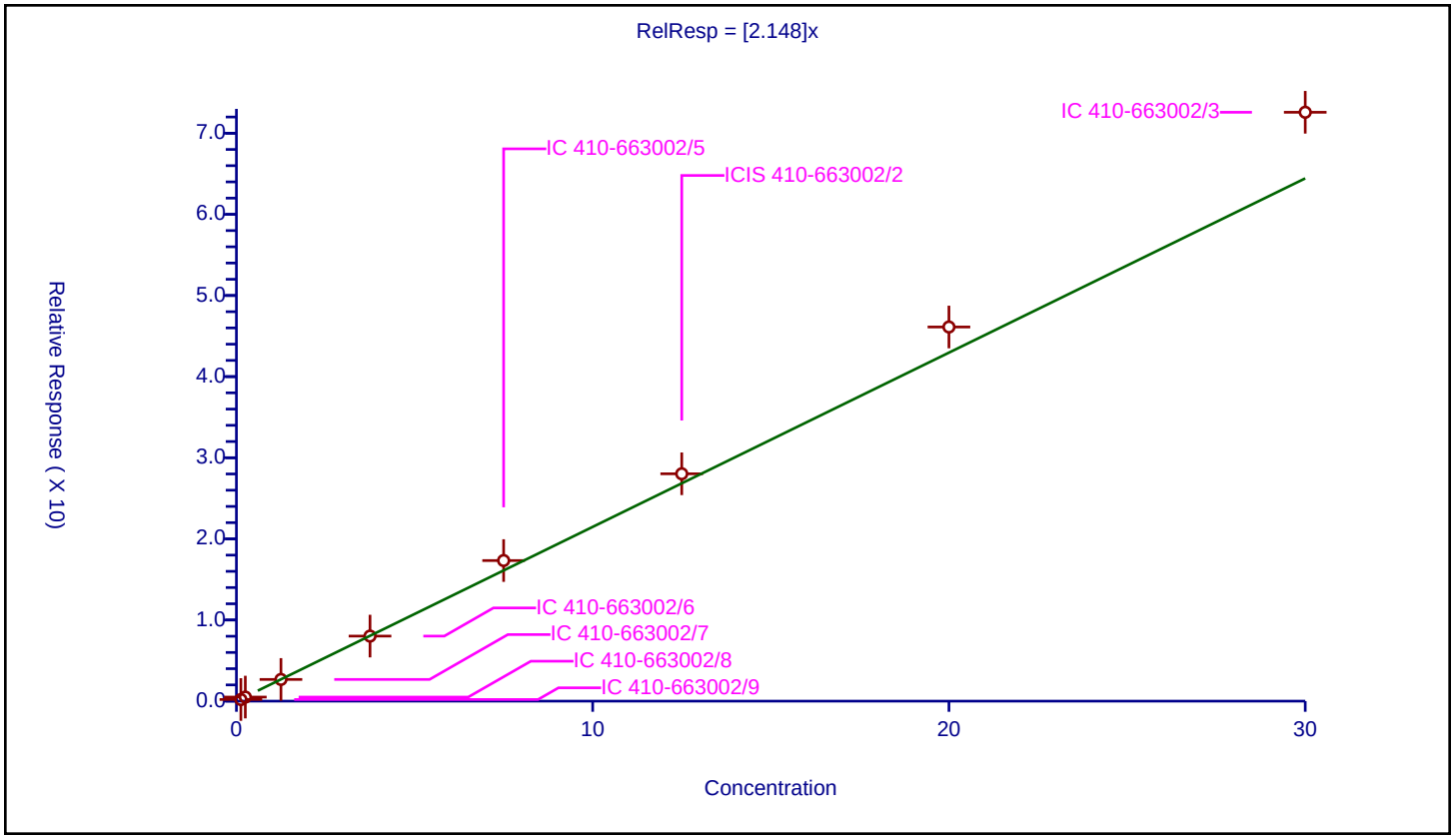
Curve Coefficients

Intercept:	0
Slope:	2.148

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.203378	5.0	156408.0	1.627027	Y
2	IC 410-663002/8	0.25	0.499981	5.0	161976.0	1.999926	Y
3	IC 410-663002/7	1.25	2.673999	5.0	159383.0	2.139199	Y
4	IC 410-663002/6	3.75	8.019176	5.0	183040.0	2.138447	Y
5	IC 410-663002/5	7.5	17.329187	5.0	165942.0	2.310558	Y
6	ICIS 410-663002/2	12.5	28.023783	5.0	192866.0	2.241903	Y
7	IC 410-663002/4	20.0	46.114841	5.0	223839.0	2.305742	Y
8	IC 410-663002/3	30.0	72.583539	5.0	184315.0	2.419451	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

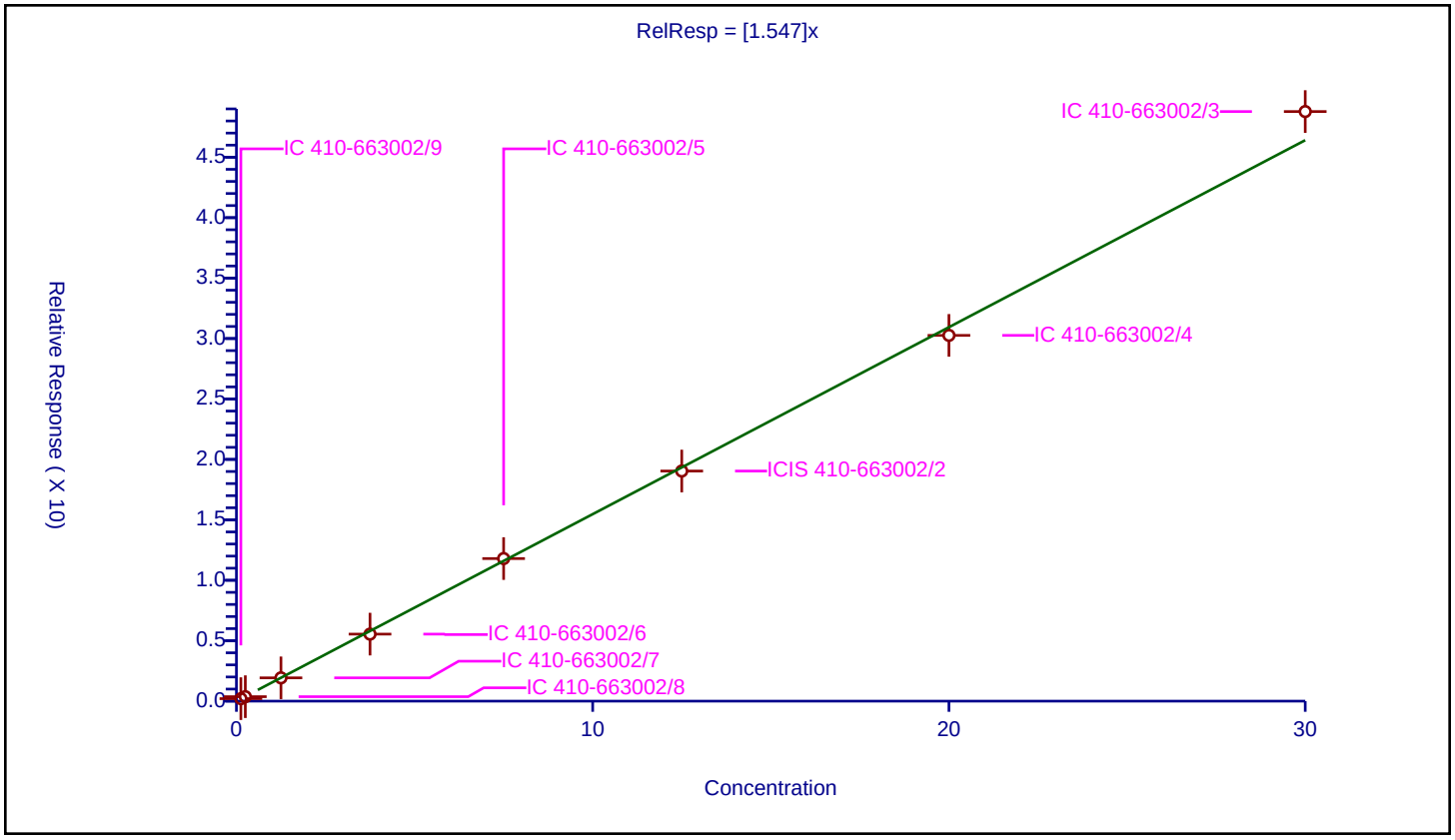
Curve Coefficients

Intercept:	0
Slope:	1.547

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.206064	5.0	156408.0	1.648509	Y
2	IC 410-663002/8	0.25	0.36811	5.0	161976.0	1.47244	Y
3	IC 410-663002/7	1.25	1.926052	5.0	159383.0	1.540842	Y
4	IC 410-663002/6	3.75	5.545892	5.0	183040.0	1.478904	Y
5	IC 410-663002/5	7.5	11.7962	5.0	165942.0	1.572827	Y
6	ICIS 410-663002/2	12.5	19.038115	5.0	192866.0	1.523049	Y
7	IC 410-663002/4	20.0	30.261036	5.0	223839.0	1.513052	Y
8	IC 410-663002/3	30.0	48.780023	5.0	184315.0	1.626001	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

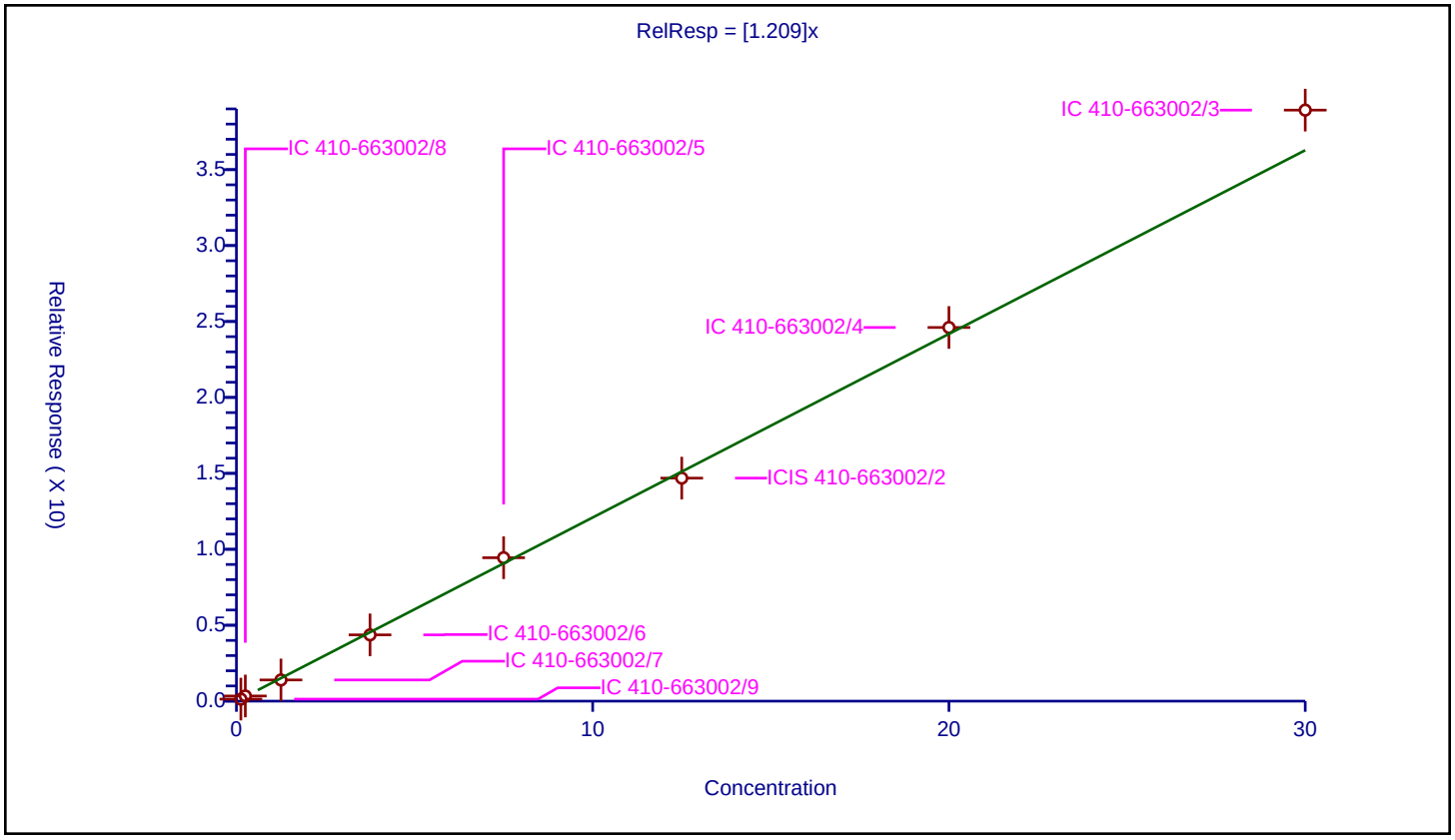
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.134104	5.0	156408.0	1.072835	Y
2	IC 410-663002/8	0.25	0.339834	5.0	161976.0	1.359337	Y
3	IC 410-663002/7	1.25	1.394565	5.0	159383.0	1.115652	Y
4	IC 410-663002/6	3.75	4.365221	5.0	183040.0	1.164059	Y
5	IC 410-663002/5	7.5	9.443751	5.0	165942.0	1.259167	Y
6	ICIS 410-663002/2	12.5	14.686492	5.0	192866.0	1.174919	Y
7	IC 410-663002/4	20.0	24.605453	5.0	223839.0	1.230273	Y
8	IC 410-663002/3	30.0	38.919621	5.0	184315.0	1.297321	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

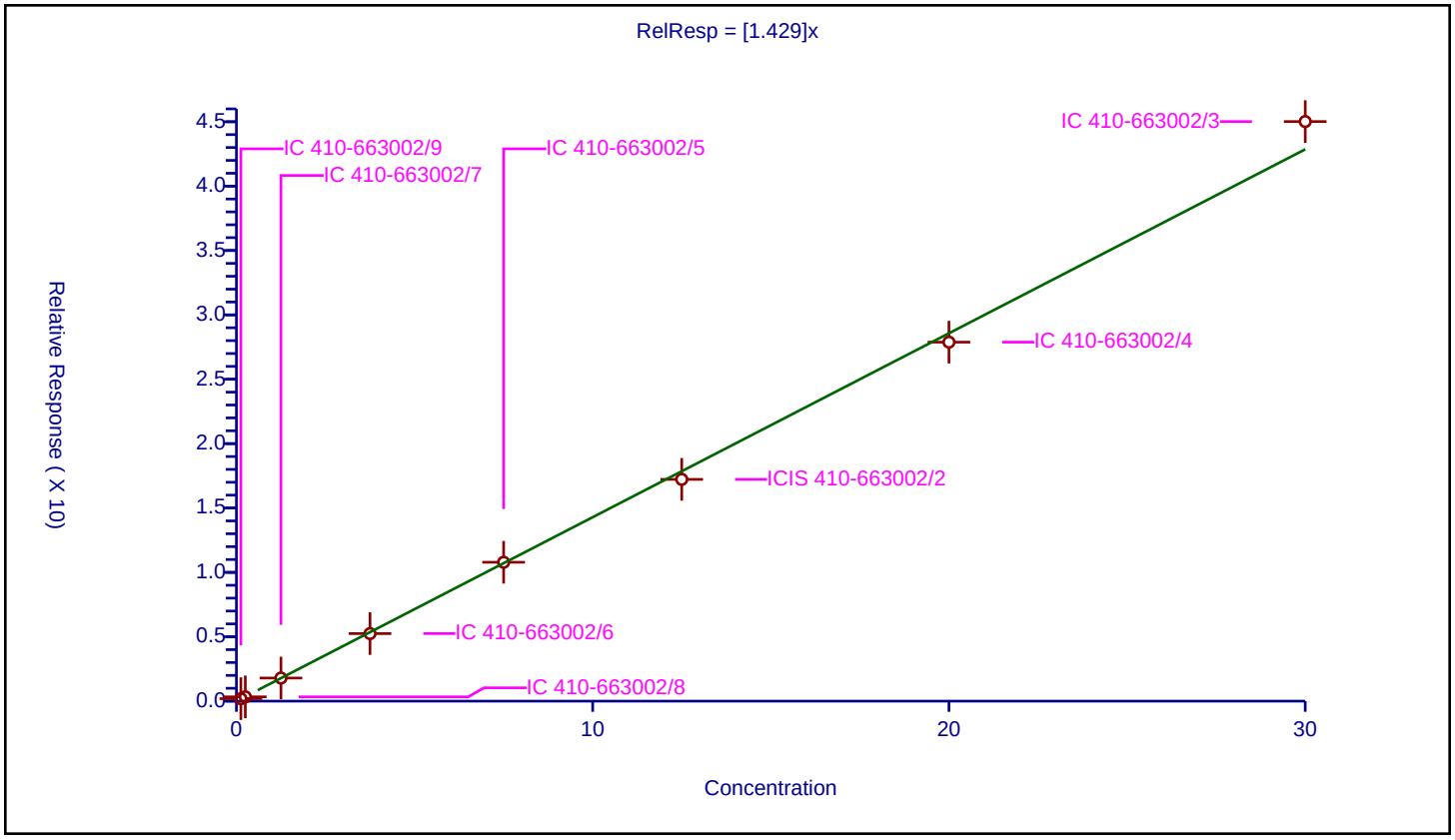
Curve Coefficients

Intercept:	0
Slope:	1.429

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.193724	5.0	156408.0	1.549793	Y
2	IC 410-663002/8	0.25	0.333228	5.0	161976.0	1.332914	Y
3	IC 410-663002/7	1.25	1.794326	5.0	159383.0	1.43546	Y
4	IC 410-663002/6	3.75	5.247815	5.0	183040.0	1.399417	Y
5	IC 410-663002/5	7.5	10.787173	5.0	165942.0	1.43829	Y
6	ICIS 410-663002/2	12.5	17.224783	5.0	192866.0	1.377983	Y
7	IC 410-663002/4	20.0	27.883099	5.0	223839.0	1.394155	Y
8	IC 410-663002/3	30.0	45.015354	5.0	184315.0	1.500512	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

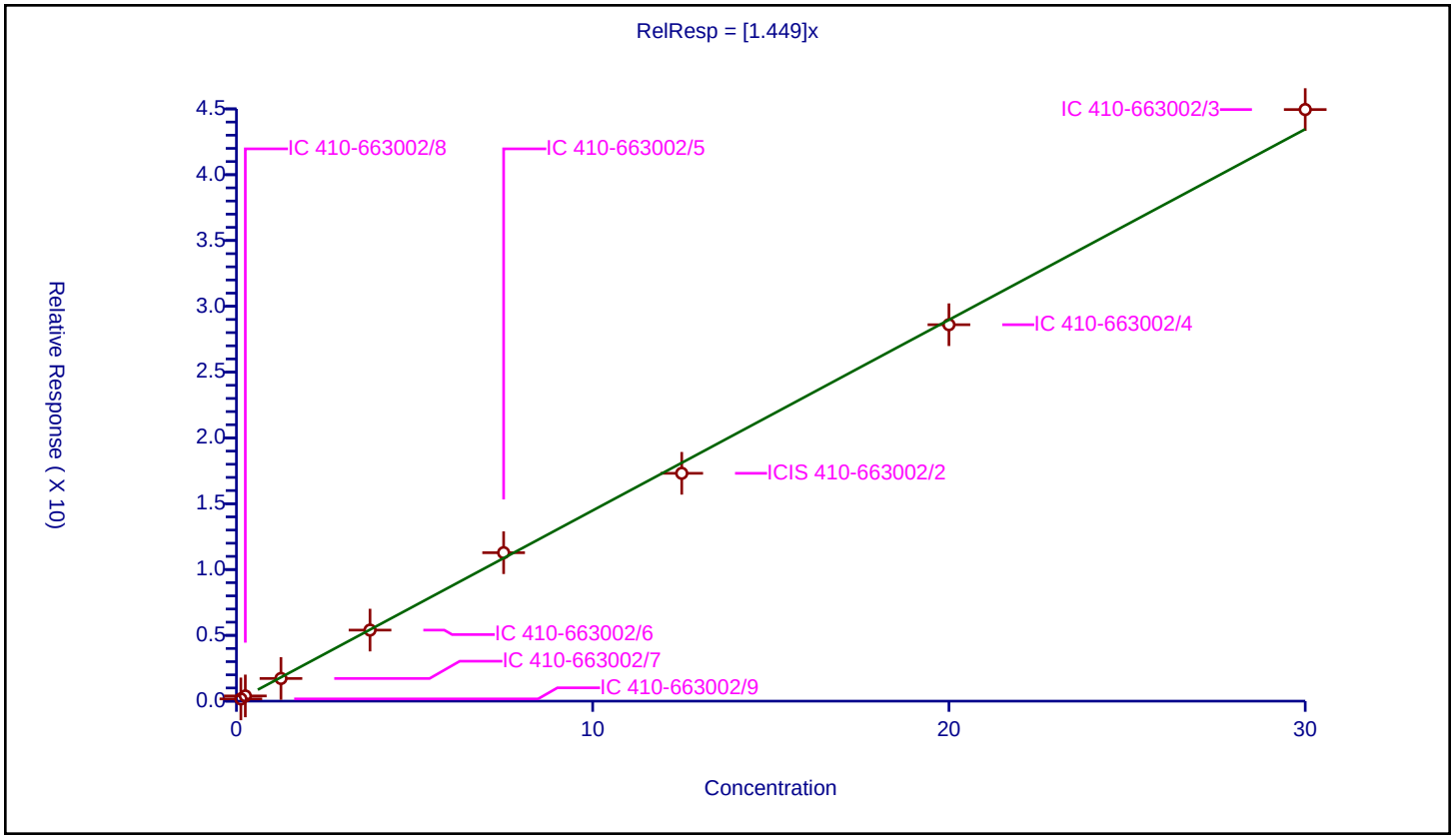
Curve Coefficients

Intercept:	0
Slope:	1.449

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.171123	5.0	156408.0	1.368984	Y
2	IC 410-663002/8	0.25	0.396355	5.0	161976.0	1.58542	Y
3	IC 410-663002/7	1.25	1.721921	5.0	159383.0	1.377537	Y
4	IC 410-663002/6	3.75	5.398738	5.0	183040.0	1.439663	Y
5	IC 410-663002/5	7.5	11.279965	5.0	165942.0	1.503995	Y
6	ICIS 410-663002/2	12.5	17.311294	5.0	192866.0	1.384904	Y
7	IC 410-663002/4	20.0	28.60145	5.0	223839.0	1.430073	Y
8	IC 410-663002/3	30.0	44.950085	5.0	184315.0	1.498336	Y



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Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

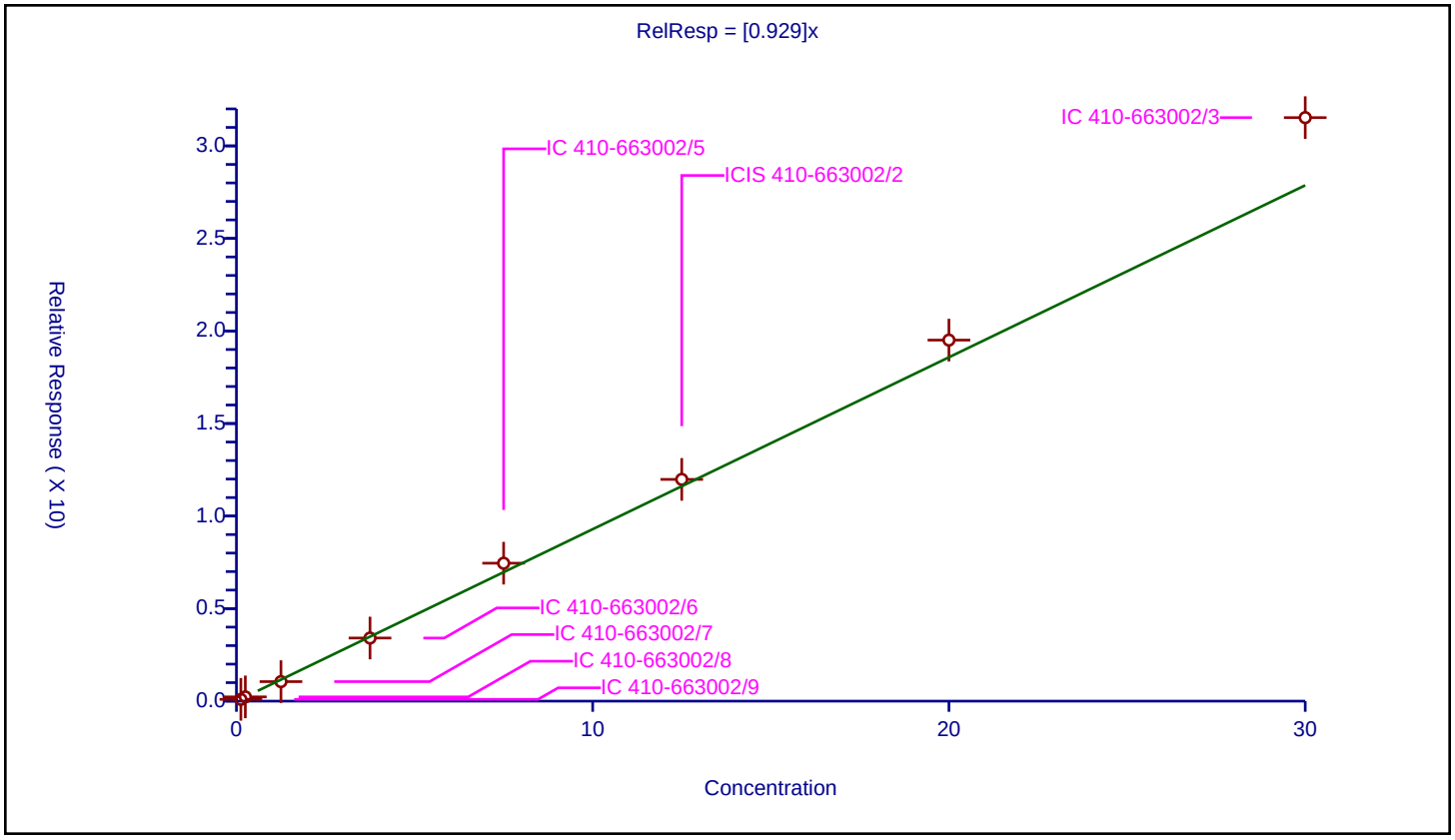
Curve Coefficients

Intercept:	0
Slope:	0.929

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.097501	5.0	156408.0	0.780011	Y
2	IC 410-663002/8	0.25	0.23025	5.0	161976.0	0.921001	Y
3	IC 410-663002/7	1.25	1.053845	5.0	159383.0	0.843076	Y
4	IC 410-663002/6	3.75	3.410184	5.0	183040.0	0.909382	Y
5	IC 410-663002/5	7.5	7.452965	5.0	165942.0	0.993729	Y
6	ICIS 410-663002/2	12.5	11.981013	5.0	192866.0	0.958481	Y
7	IC 410-663002/4	20.0	19.507749	5.0	223839.0	0.975387	Y
8	IC 410-663002/3	30.0	31.527494	5.0	184315.0	1.050916	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

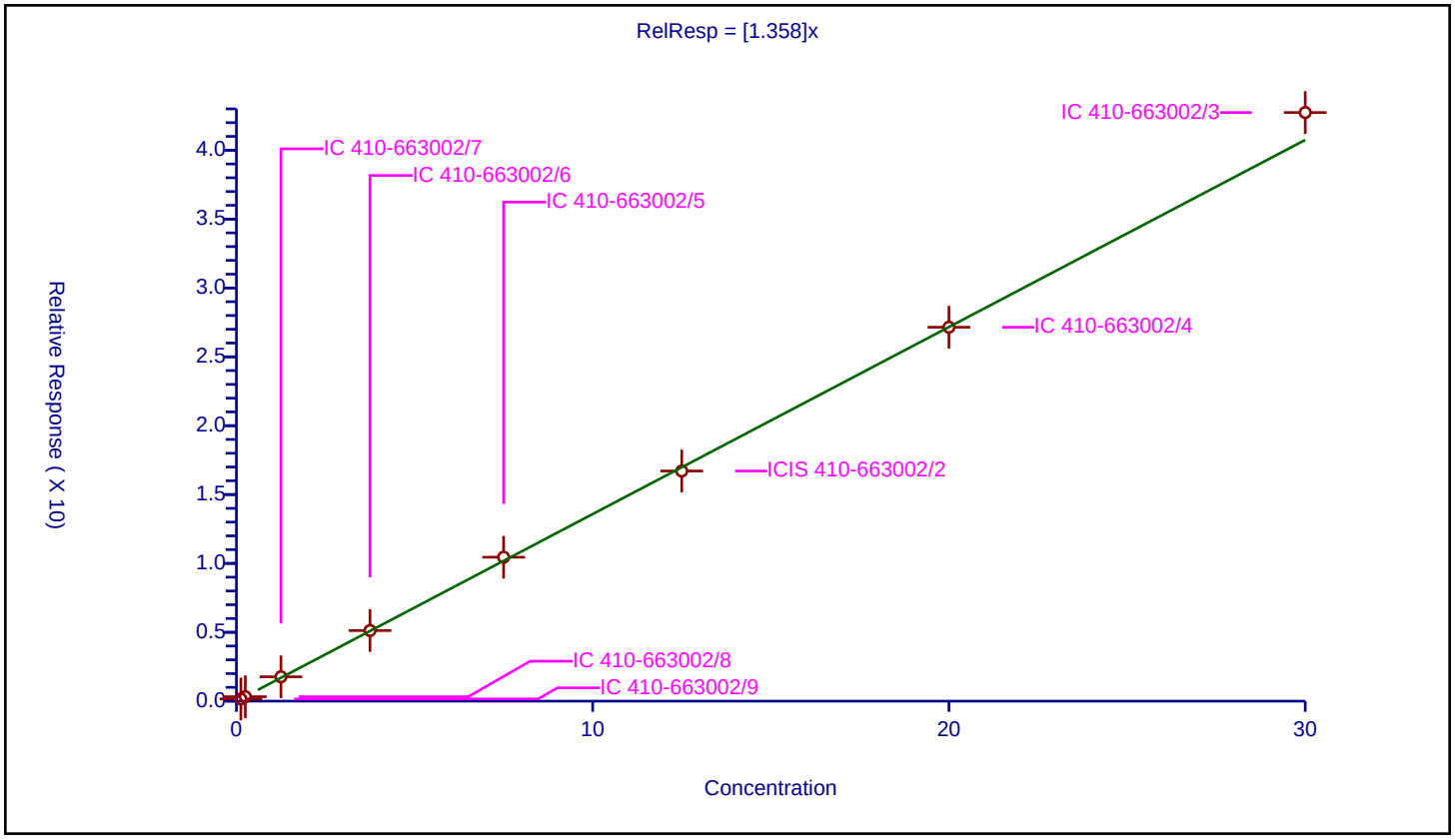
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.159998	5.0	156408.0	1.279986	Y
2	IC 410-663002/8	0.25	0.322795	5.0	161976.0	1.291179	Y
3	IC 410-663002/7	1.25	1.769135	5.0	159383.0	1.415308	Y
4	IC 410-663002/6	3.75	5.125492	5.0	183040.0	1.366798	Y
5	IC 410-663002/5	7.5	10.451302	5.0	165942.0	1.393507	Y
6	ICIS 410-663002/2	12.5	16.707688	5.0	192866.0	1.336615	Y
7	IC 410-663002/4	20.0	27.146453	5.0	223839.0	1.357323	Y
8	IC 410-663002/3	30.0	42.735751	5.0	184315.0	1.424525	Y



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Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

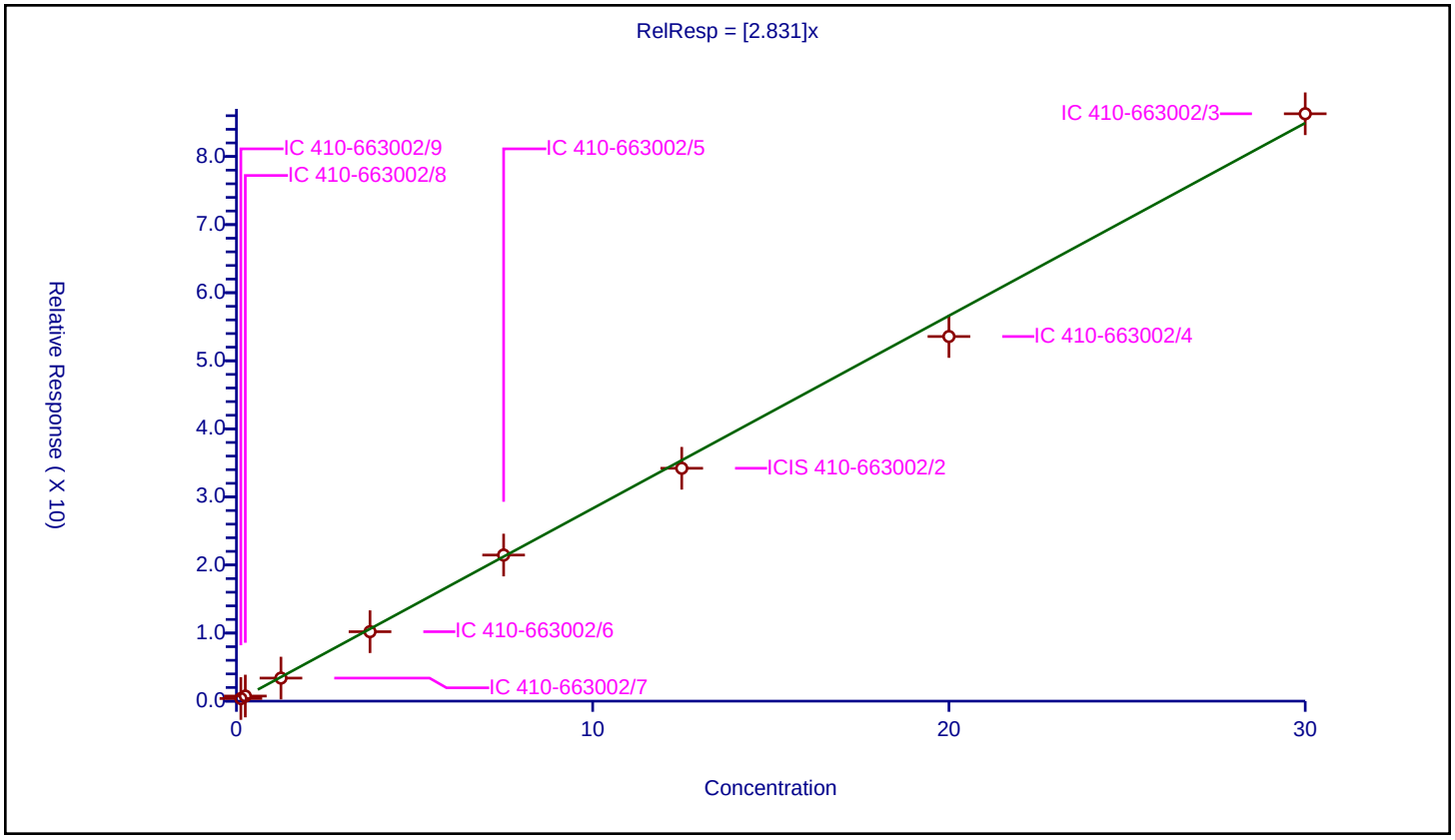
Curve Coefficients

Intercept:	0
Slope:	2.831

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.384251	5.0	156408.0	3.074012	Y
2	IC 410-663002/8	0.25	0.747302	5.0	161976.0	2.989208	Y
3	IC 410-663002/7	1.25	3.386371	5.0	159383.0	2.709097	Y
4	IC 410-663002/6	3.75	10.202906	5.0	183040.0	2.720775	Y
5	IC 410-663002/5	7.5	21.462469	5.0	165942.0	2.861663	Y
6	ICIS 410-663002/2	12.5	34.208933	5.0	192866.0	2.736715	Y
7	IC 410-663002/4	20.0	53.564013	5.0	223839.0	2.678201	Y
8	IC 410-663002/3	30.0	86.282994	5.0	184315.0	2.8761	Y



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Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

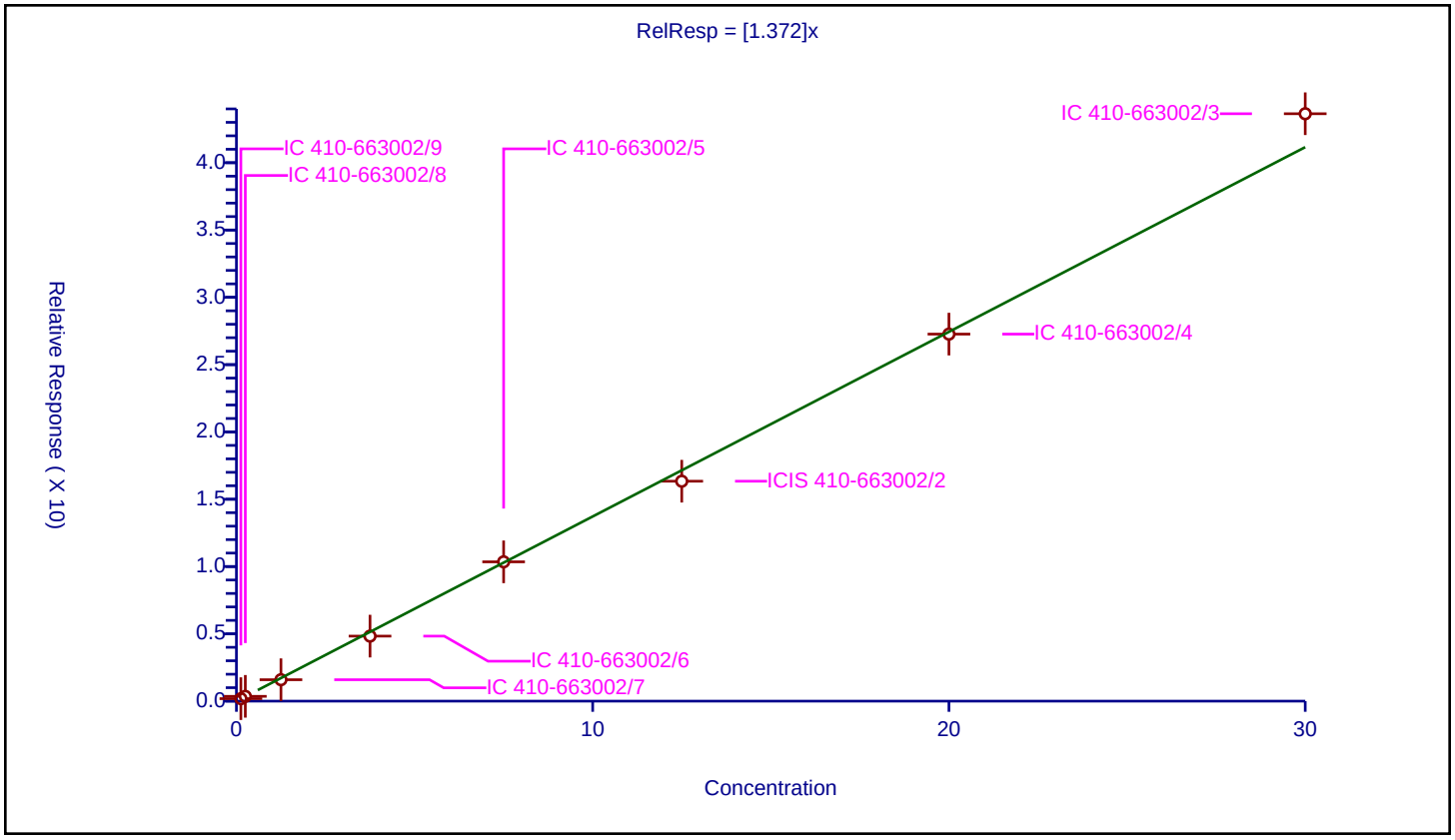
Curve Coefficients

Intercept:	0
Slope:	1.372

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.185189	5.0	156408.0	1.48151	Y
2	IC 410-663002/8	0.25	0.356596	5.0	161976.0	1.426384	Y
3	IC 410-663002/7	1.25	1.591951	5.0	159383.0	1.273561	Y
4	IC 410-663002/6	3.75	4.830474	5.0	183040.0	1.288126	Y
5	IC 410-663002/5	7.5	10.350243	5.0	165942.0	1.380032	Y
6	ICIS 410-663002/2	12.5	16.339194	5.0	192866.0	1.307136	Y
7	IC 410-663002/4	20.0	27.267701	5.0	223839.0	1.363385	Y
8	IC 410-663002/3	30.0	43.640724	5.0	184315.0	1.454691	Y



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Calibration / N-Nitrosopyrrolidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

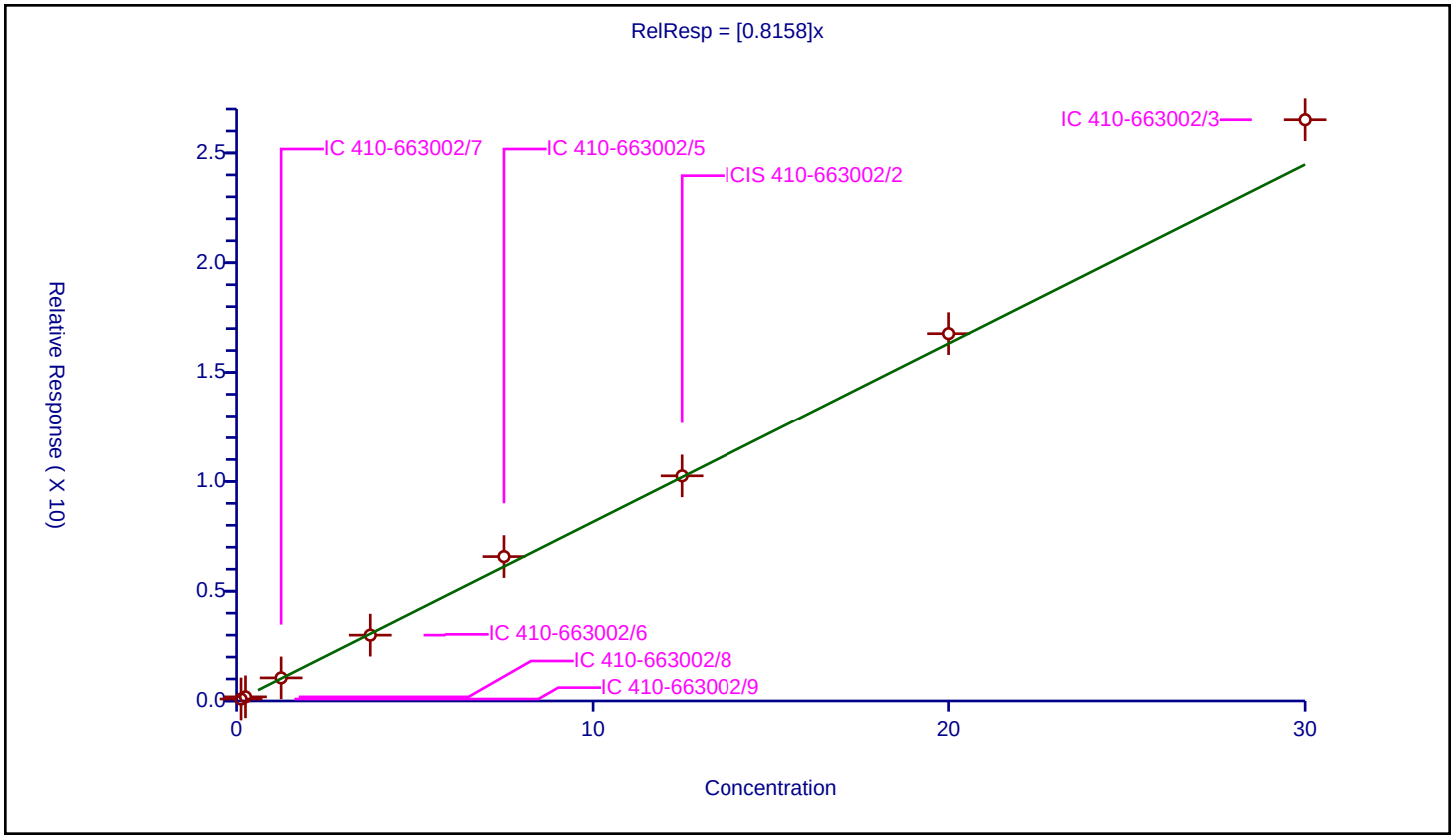
Curve Coefficients

Intercept:	0
Slope:	0.8158

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.089605	5.0	156408.0	0.716843	Y
2	IC 410-663002/8	0.25	0.187682	5.0	161976.0	0.750729	Y
3	IC 410-663002/7	1.25	1.050583	5.0	159383.0	0.840466	Y
4	IC 410-663002/6	3.75	2.998825	5.0	183040.0	0.799687	Y
5	IC 410-663002/5	7.5	6.573833	5.0	165942.0	0.876511	Y
6	ICIS 410-663002/2	12.5	10.253155	5.0	192866.0	0.820252	Y
7	IC 410-663002/4	20.0	16.768637	5.0	223839.0	0.838432	Y
8	IC 410-663002/3	30.0	26.513035	5.0	184315.0	0.883768	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

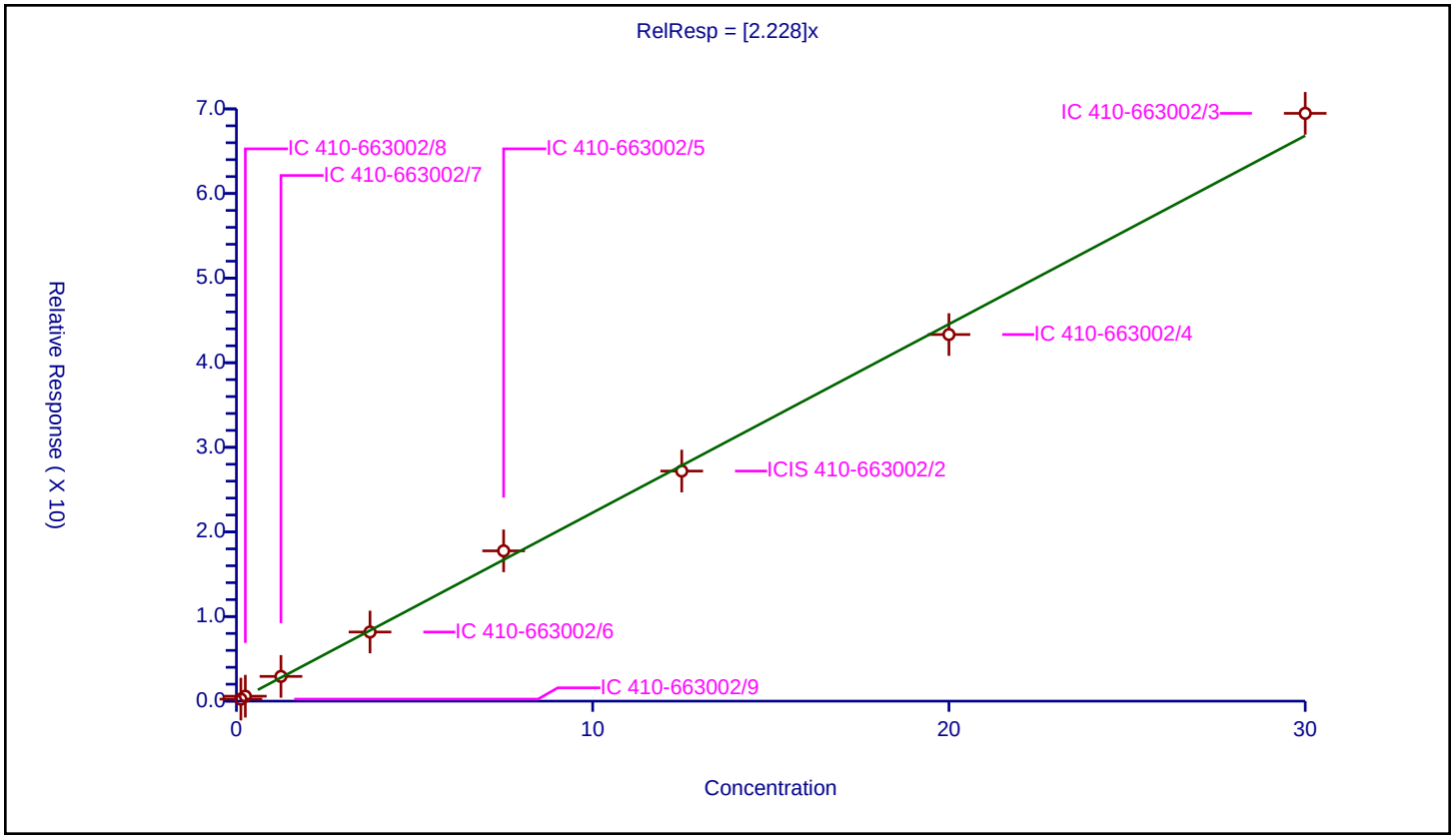
Curve Coefficients

Intercept:	0
Slope:	2.228

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.242091	5.0	156408.0	1.93673	Y
2	IC 410-663002/8	0.25	0.585303	5.0	161976.0	2.341211	Y
3	IC 410-663002/7	1.25	2.92412	5.0	159383.0	2.339296	Y
4	IC 410-663002/6	3.75	8.1704	5.0	183040.0	2.178773	Y
5	IC 410-663002/5	7.5	17.763918	5.0	165942.0	2.368522	Y
6	ICIS 410-663002/2	12.5	27.195073	5.0	192866.0	2.175606	Y
7	IC 410-663002/4	20.0	43.32929	5.0	223839.0	2.166465	Y
8	IC 410-663002/3	30.0	69.473537	5.0	184315.0	2.315785	Y



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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

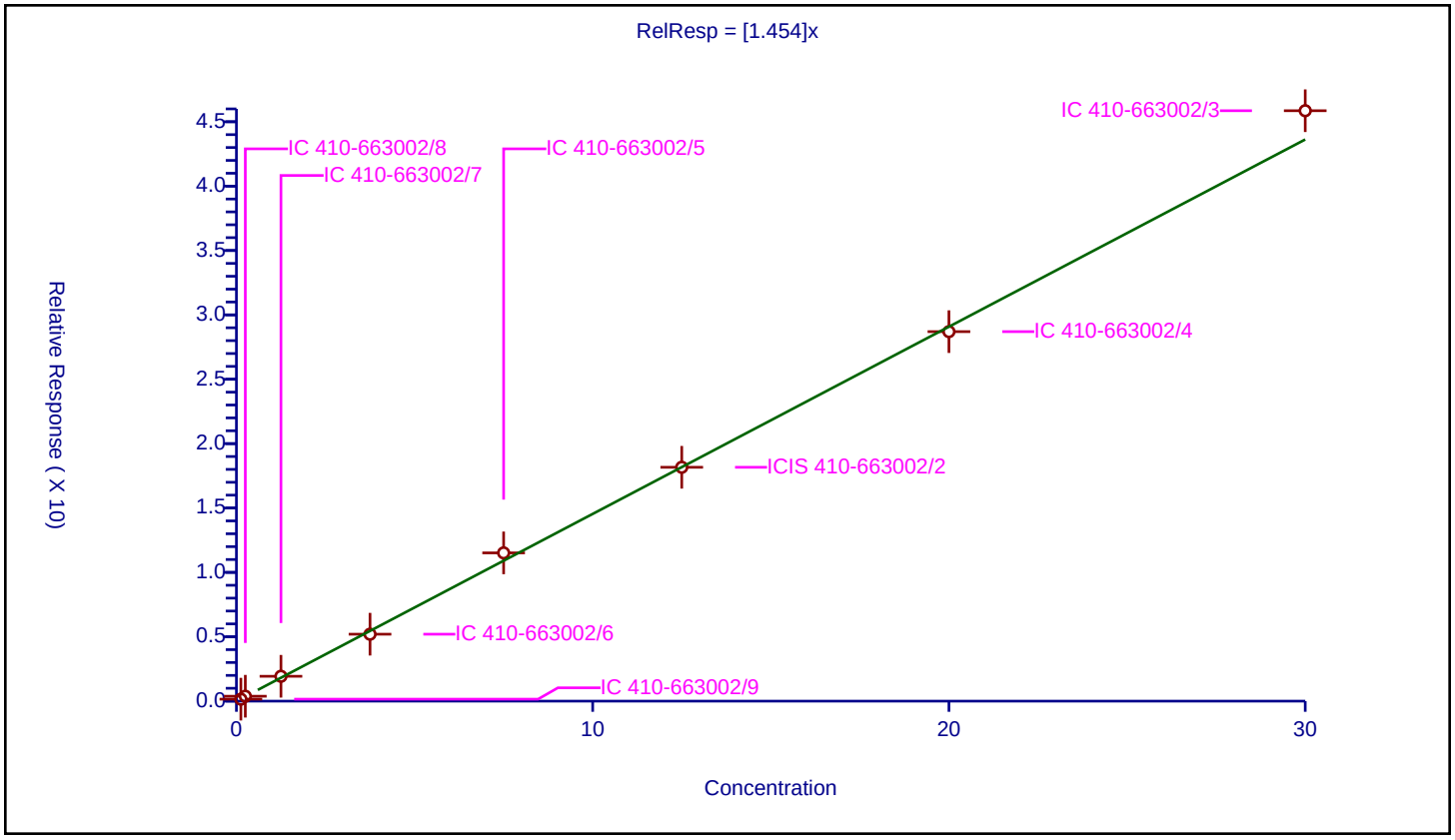
Curve Coefficients

Intercept:	0
Slope:	1.454

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.153189	5.0	156408.0	1.225513	Y
2	IC 410-663002/8	0.25	0.380797	5.0	161976.0	1.523189	Y
3	IC 410-663002/7	1.25	1.931762	5.0	159383.0	1.545409	Y
4	IC 410-663002/6	3.75	5.199519	5.0	183040.0	1.386538	Y
5	IC 410-663002/5	7.5	11.515861	5.0	165942.0	1.535448	Y
6	ICIS 410-663002/2	12.5	18.164788	5.0	192866.0	1.453183	Y
7	IC 410-663002/4	20.0	28.700405	5.0	223839.0	1.43502	Y
8	IC 410-663002/3	30.0	45.856686	5.0	184315.0	1.528556	Y



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Calibration / N-Nitrosomorpholine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

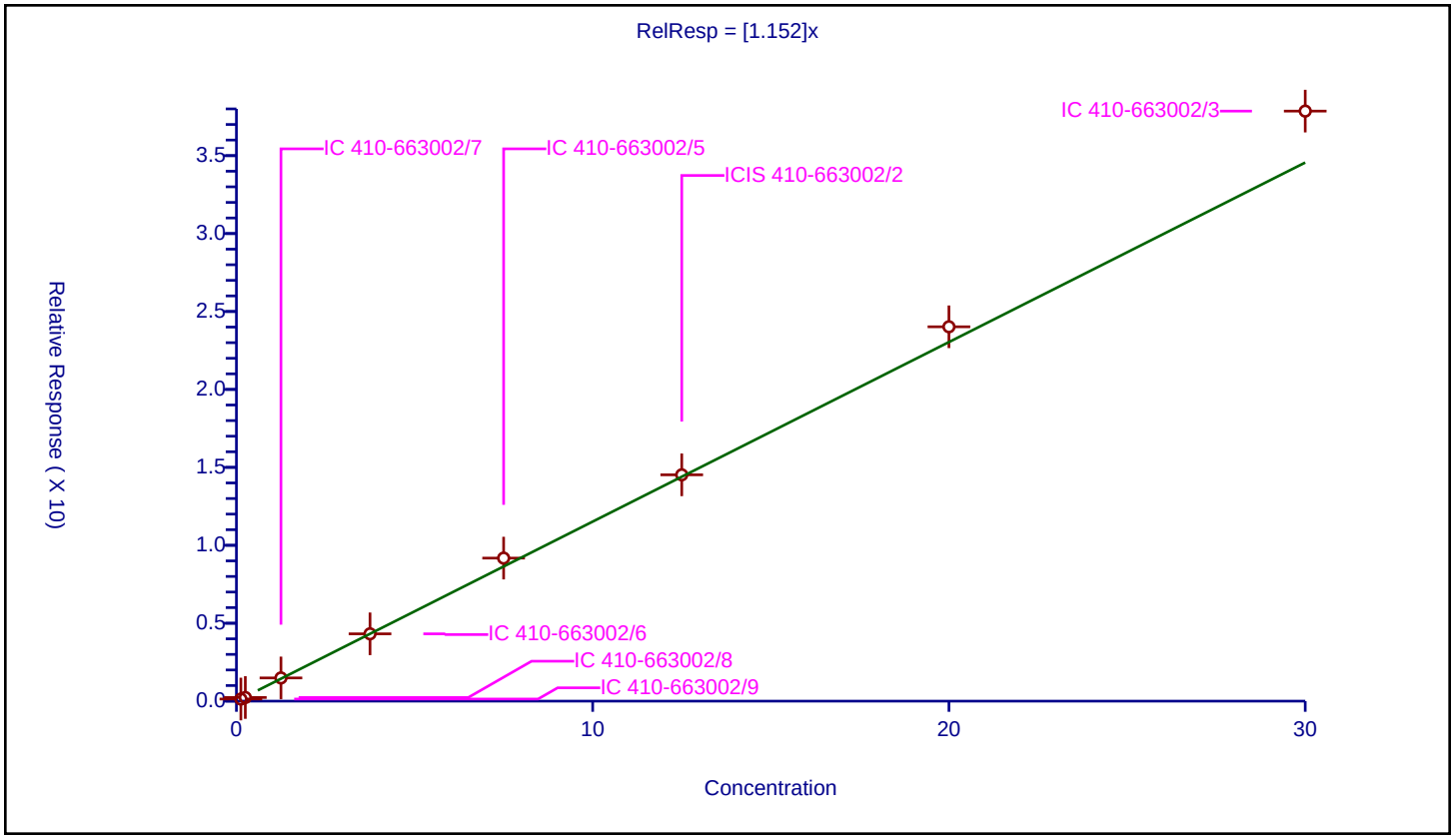
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.136214	5.0	156408.0	1.089714	Y
2	IC 410-663002/8	0.25	0.233491	5.0	161976.0	0.933966	Y
3	IC 410-663002/7	1.25	1.489086	5.0	159383.0	1.191269	Y
4	IC 410-663002/6	3.75	4.319384	5.0	183040.0	1.151836	Y
5	IC 410-663002/5	7.5	9.177634	5.0	165942.0	1.223685	Y
6	ICIS 410-663002/2	12.5	14.521844	5.0	192866.0	1.161748	Y
7	IC 410-663002/4	20.0	24.020122	5.0	223839.0	1.201006	Y
8	IC 410-663002/3	30.0	37.857527	5.0	184315.0	1.261918	Y



Calibration / 2-Toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

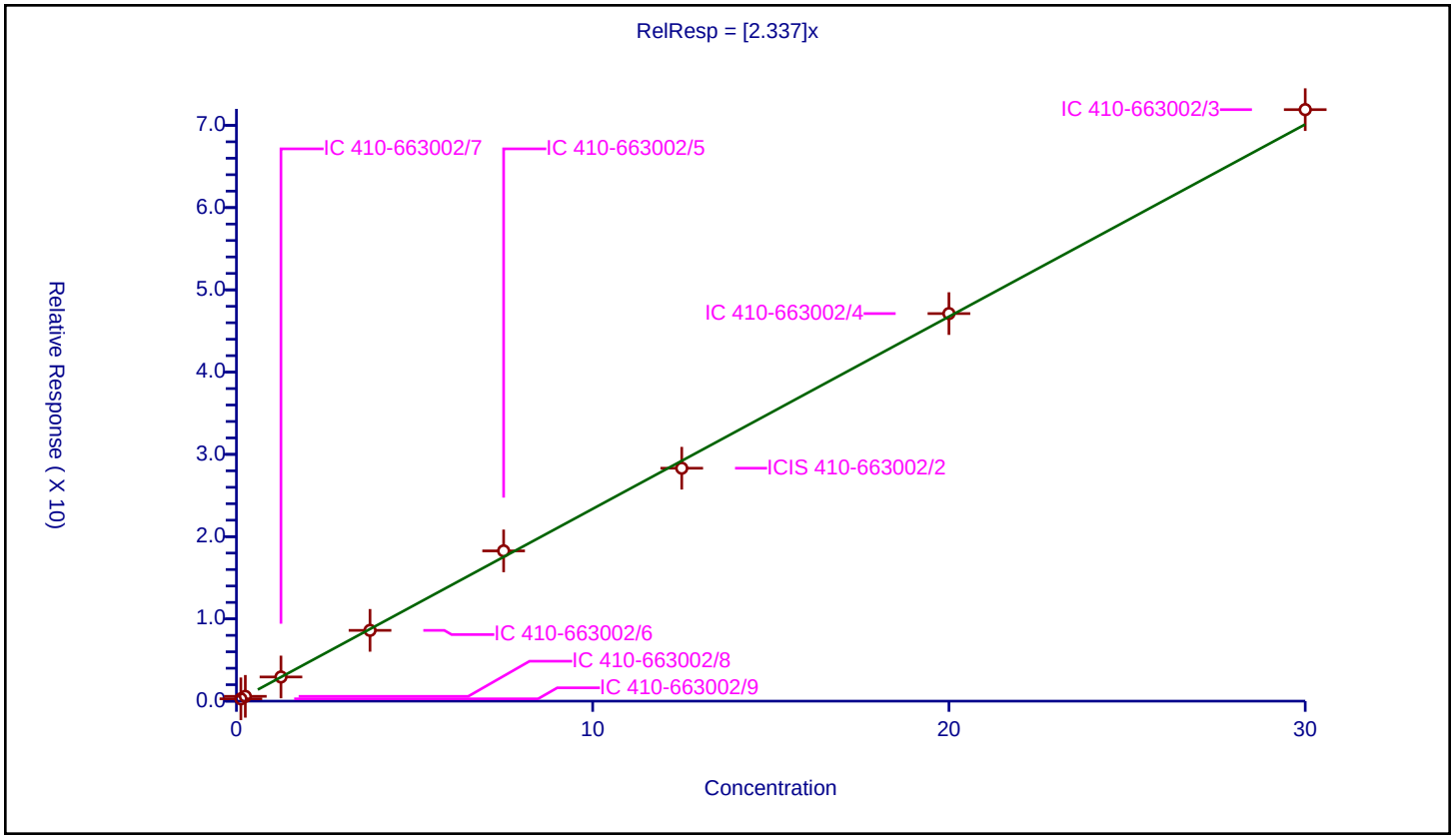
Curve Coefficients

Intercept:	0
Slope:	2.337

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.283234	5.0	156408.0	2.265869	Y
2	IC 410-663002/8	0.25	0.583327	5.0	161976.0	2.333309	Y
3	IC 410-663002/7	1.25	2.939178	5.0	159383.0	2.351342	Y
4	IC 410-663002/6	3.75	8.603557	5.0	183040.0	2.294282	Y
5	IC 410-663002/5	7.5	18.266985	5.0	165942.0	2.435598	Y
6	ICIS 410-663002/2	12.5	28.318496	5.0	192866.0	2.26548	Y
7	IC 410-663002/4	20.0	47.116745	5.0	223839.0	2.355837	Y
8	IC 410-663002/3	30.0	71.9101	5.0	184315.0	2.397003	Y



Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

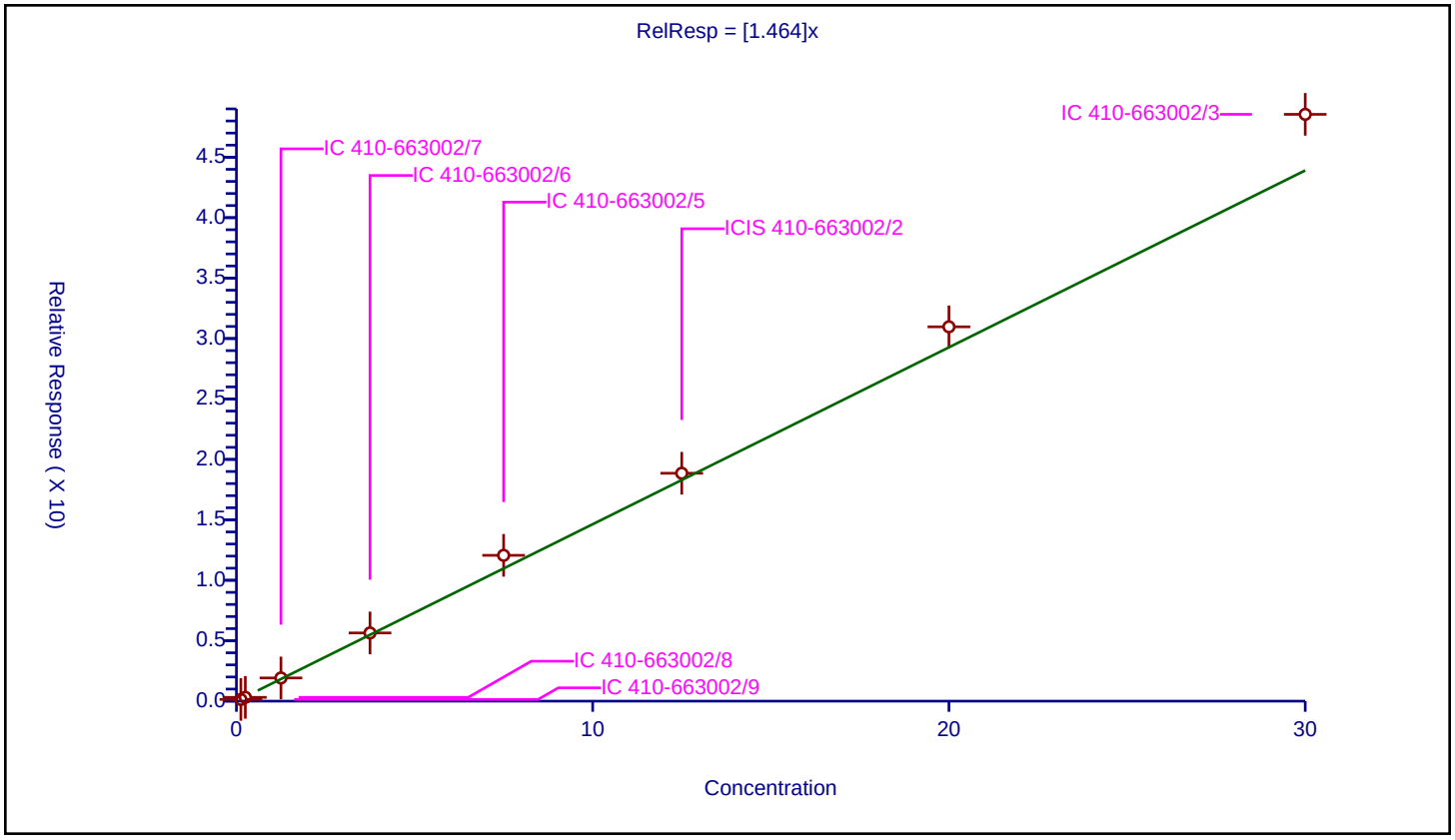
Curve Coefficients

Intercept:	0
Slope:	1.464

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.141041	5.0	156408.0	1.128331	Y
2	IC 410-663002/8	0.25	0.314275	5.0	161976.0	1.2571	Y
3	IC 410-663002/7	1.25	1.9189	5.0	159383.0	1.53512	Y
4	IC 410-663002/6	3.75	5.641882	5.0	183040.0	1.504502	Y
5	IC 410-663002/5	7.5	12.063372	5.0	165942.0	1.60845	Y
6	ICIS 410-663002/2	12.5	18.855112	5.0	192866.0	1.508409	Y
7	IC 410-663002/4	20.0	30.969827	5.0	223839.0	1.548491	Y
8	IC 410-663002/3	30.0	48.547188	5.0	184315.0	1.61824	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

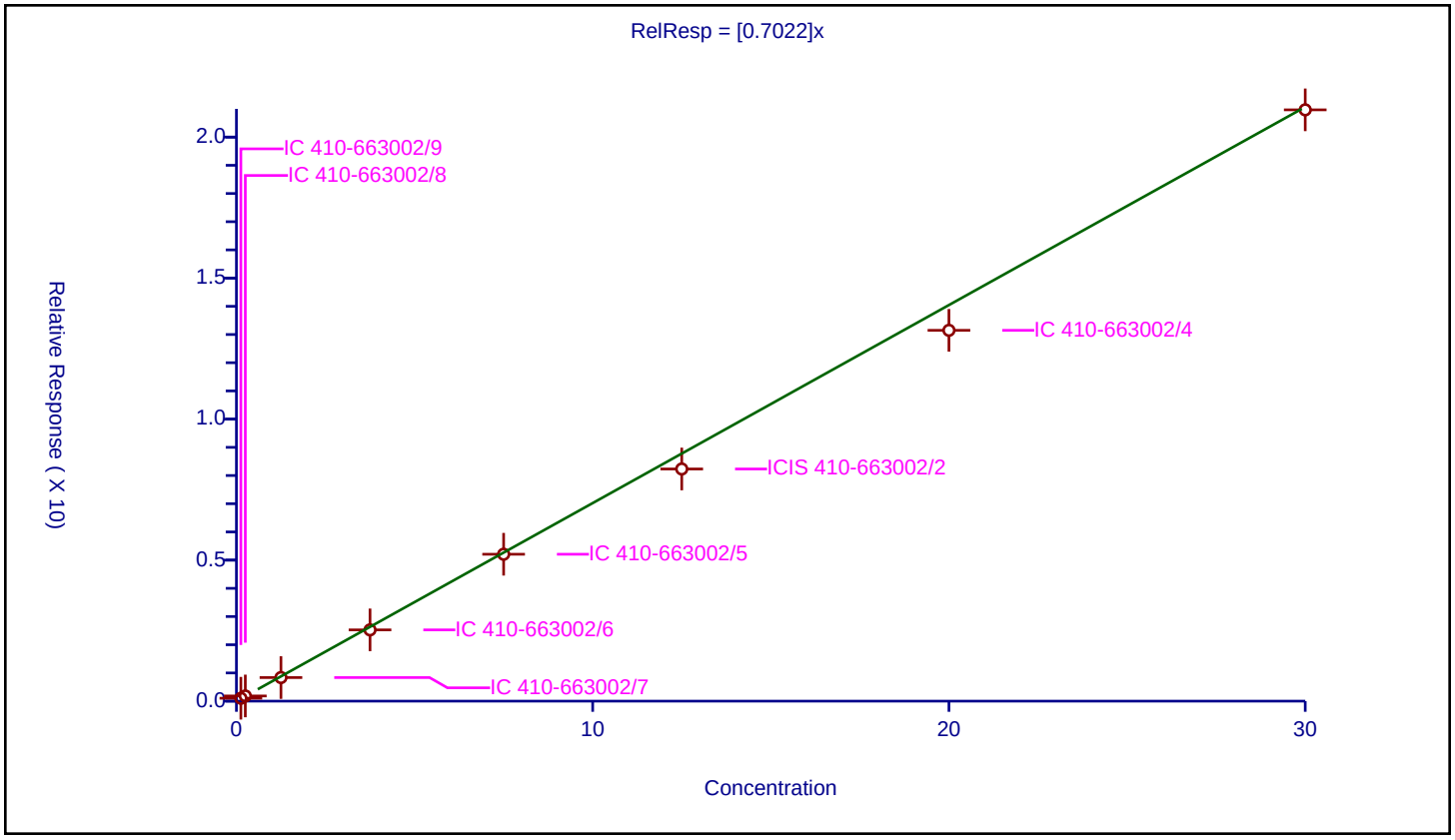
Curve Coefficients

Intercept:	0
Slope:	0.7022

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.103831	5.0	156408.0	0.830648	Y
2	IC 410-663002/8	0.25	0.183854	5.0	161976.0	0.735418	Y
3	IC 410-663002/7	1.25	0.835911	5.0	159383.0	0.668729	Y
4	IC 410-663002/6	3.75	2.526606	5.0	183040.0	0.673762	Y
5	IC 410-663002/5	7.5	5.209139	5.0	165942.0	0.694552	Y
6	ICIS 410-663002/2	12.5	8.23214	5.0	192866.0	0.658571	Y
7	IC 410-663002/4	20.0	13.148111	5.0	223839.0	0.657406	Y
8	IC 410-663002/3	30.0	20.965738	5.0	184315.0	0.698858	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

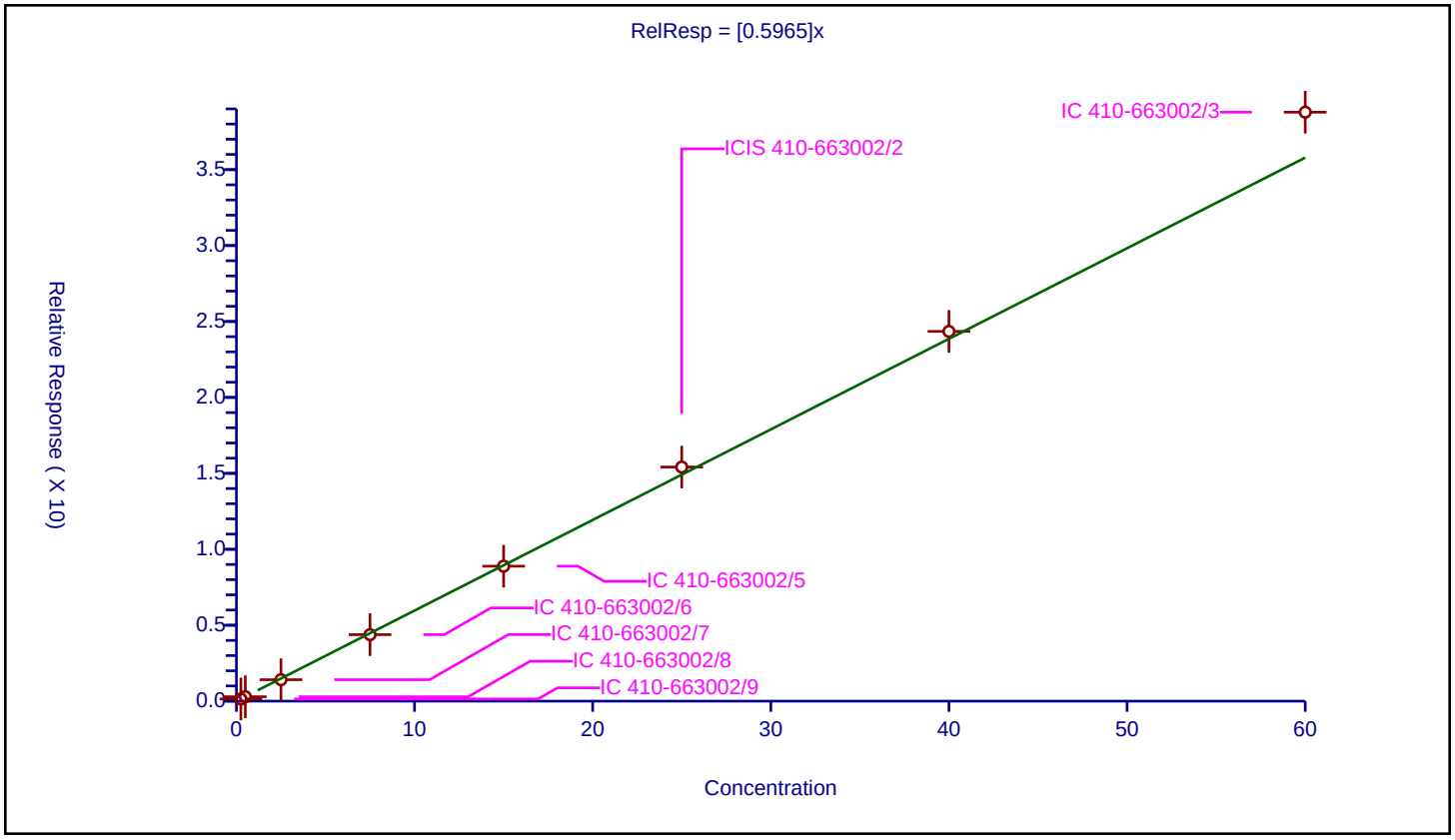
Curve Coefficients

Intercept:	0
Slope:	0.5965

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.14507	5.0	523711.0	0.580282	Y
2	IC 410-663002/8	0.5	0.289598	5.0	560899.0	0.579195	Y
3	IC 410-663002/7	2.5	1.411636	5.0	537582.0	0.564654	Y
4	IC 410-663002/6	7.5	4.378321	5.0	625435.0	0.583776	Y
5	IC 410-663002/5	15.0	8.885925	5.0	588044.0	0.592395	Y
6	ICIS 410-663002/2	25.0	15.413271	5.0	625703.0	0.616531	Y
7	IC 410-663002/4	40.0	24.347817	5.0	741134.0	0.608695	Y
8	IC 410-663002/3	60.0	38.782784	5.0	614316.0	0.64638	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

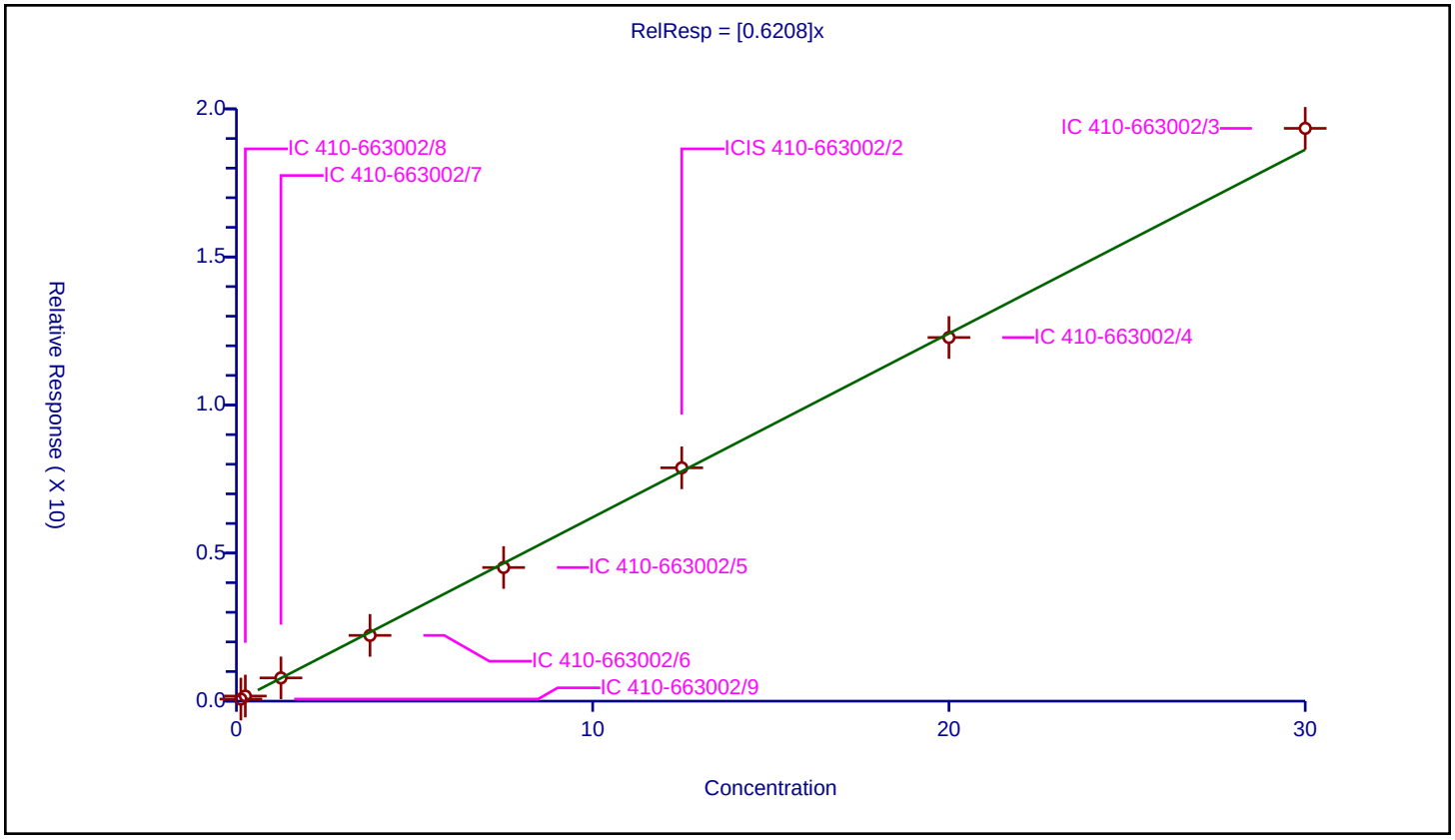
Curve Coefficients

Intercept:	0
Slope:	0.6208

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.07065	5.0	523711.0	0.565197	Y
2	IC 410-663002/8	0.25	0.17266	5.0	560899.0	0.690641	Y
3	IC 410-663002/7	1.25	0.784615	5.0	537582.0	0.627692	Y
4	IC 410-663002/6	3.75	2.220023	5.0	625435.0	0.592006	Y
5	IC 410-663002/5	7.5	4.513251	5.0	588044.0	0.601767	Y
6	ICIS 410-663002/2	12.5	7.879609	5.0	625703.0	0.630369	Y
7	IC 410-663002/4	20.0	12.280377	5.0	741134.0	0.614019	Y
8	IC 410-663002/3	30.0	19.342757	5.0	614316.0	0.644759	Y



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Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

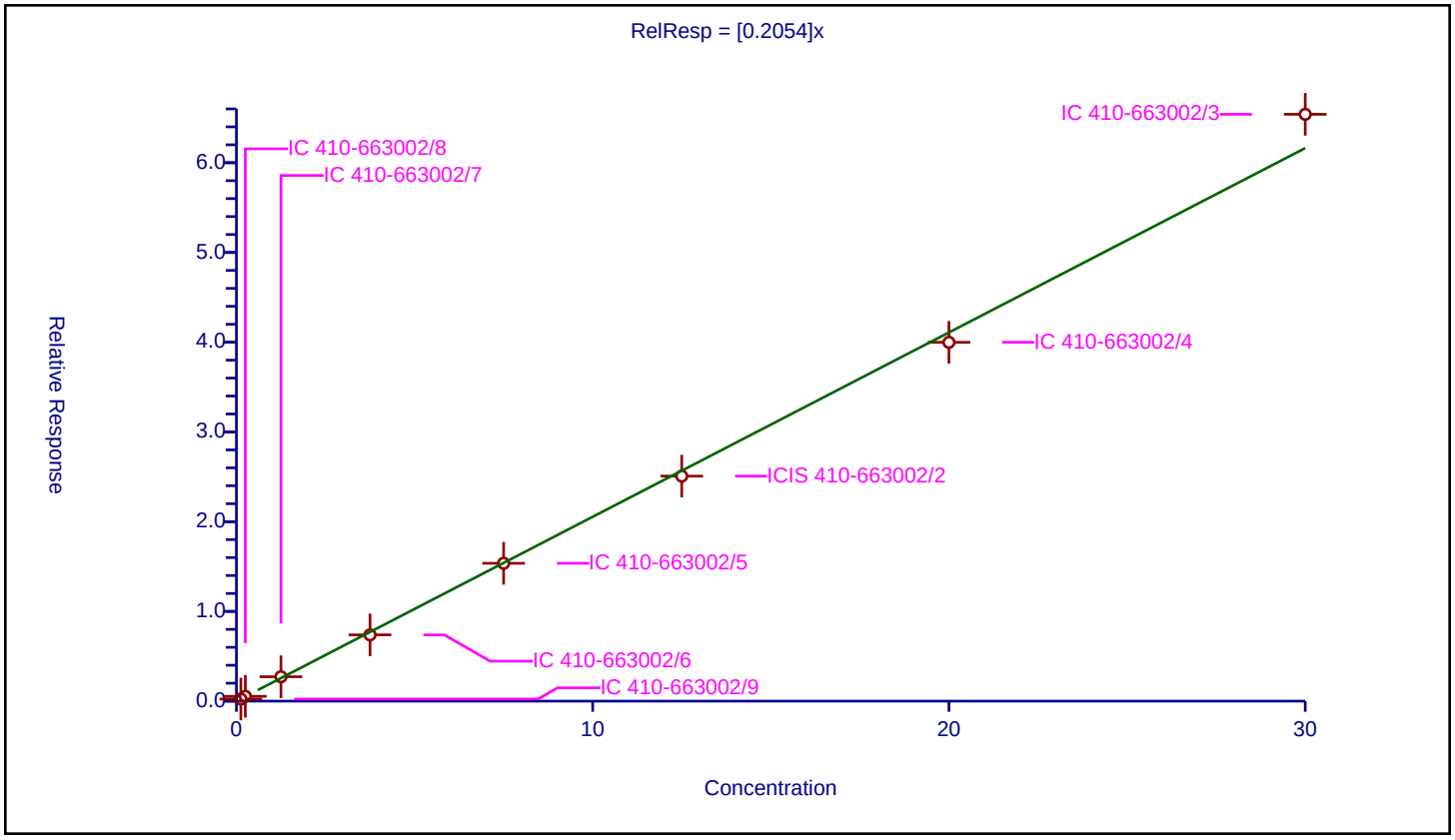
Curve Coefficients

Intercept:	0
Slope:	0.2054

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.023629	5.0	523711.0	0.189036	Y
2	IC 410-663002/8	0.25	0.054101	5.0	560899.0	0.216403	Y
3	IC 410-663002/7	1.25	0.272079	5.0	537582.0	0.217664	Y
4	IC 410-663002/6	3.75	0.738502	5.0	625435.0	0.196934	Y
5	IC 410-663002/5	7.5	1.536246	5.0	588044.0	0.204833	Y
6	ICIS 410-663002/2	12.5	2.507731	5.0	625703.0	0.200619	Y
7	IC 410-663002/4	20.0	3.998649	5.0	741134.0	0.199932	Y
8	IC 410-663002/3	30.0	6.539753	5.0	614316.0	0.217992	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

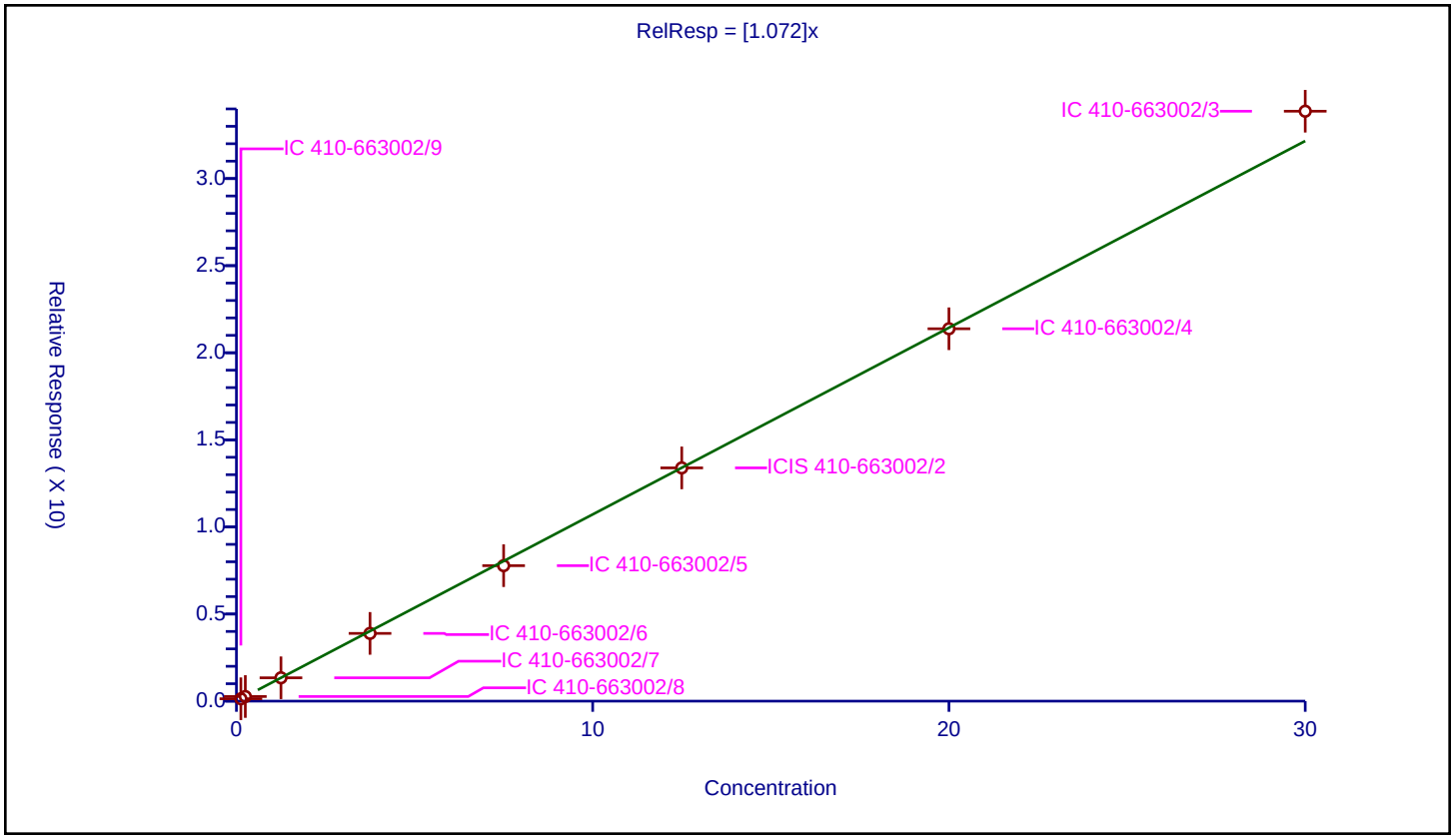
Curve Coefficients

Intercept:	0
Slope:	1.072

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.137356	5.0	523711.0	1.09885	Y
2	IC 410-663002/8	0.25	0.265378	5.0	560899.0	1.06151	Y
3	IC 410-663002/7	1.25	1.339805	5.0	537582.0	1.071844	Y
4	IC 410-663002/6	3.75	3.889733	5.0	625435.0	1.037262	Y
5	IC 410-663002/5	7.5	7.77708	5.0	588044.0	1.036944	Y
6	ICIS 410-663002/2	12.5	13.390243	5.0	625703.0	1.071219	Y
7	IC 410-663002/4	20.0	21.378556	5.0	741134.0	1.068928	Y
8	IC 410-663002/3	30.0	33.866919	5.0	614316.0	1.128897	Y



Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

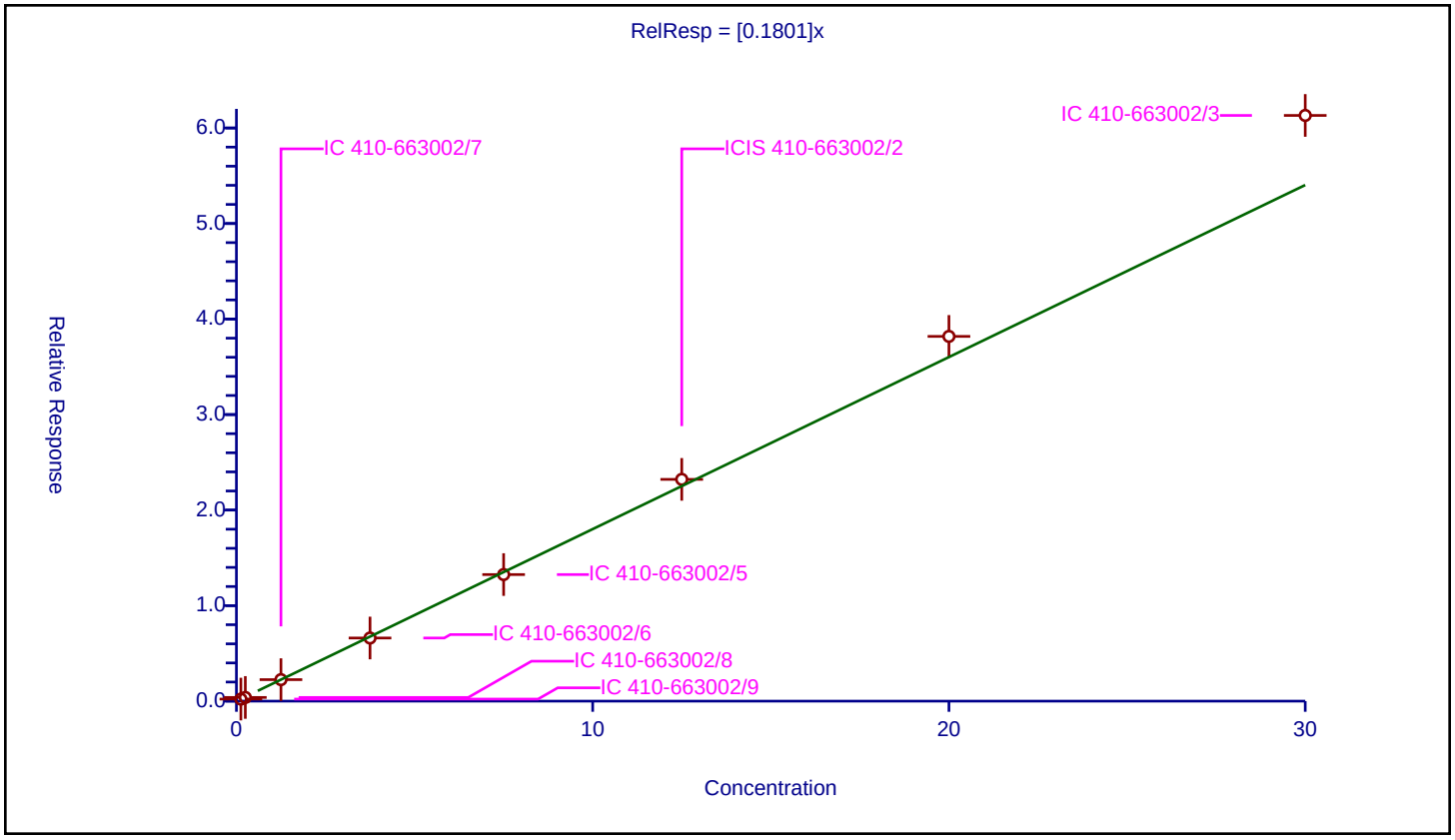
Curve Coefficients

Intercept:	0
Slope:	0.1801

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.021567	5.0	523711.0	0.172538	Y
2	IC 410-663002/8	0.25	0.038519	5.0	560899.0	0.154074	Y
3	IC 410-663002/7	1.25	0.225231	5.0	537582.0	0.180185	Y
4	IC 410-663002/6	3.75	0.66106	5.0	625435.0	0.176283	Y
5	IC 410-663002/5	7.5	1.325096	5.0	588044.0	0.17668	Y
6	ICIS 410-663002/2	12.5	2.321685	5.0	625703.0	0.185735	Y
7	IC 410-663002/4	20.0	3.818378	5.0	741134.0	0.190919	Y
8	IC 410-663002/3	30.0	6.131388	5.0	614316.0	0.20438	Y



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Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

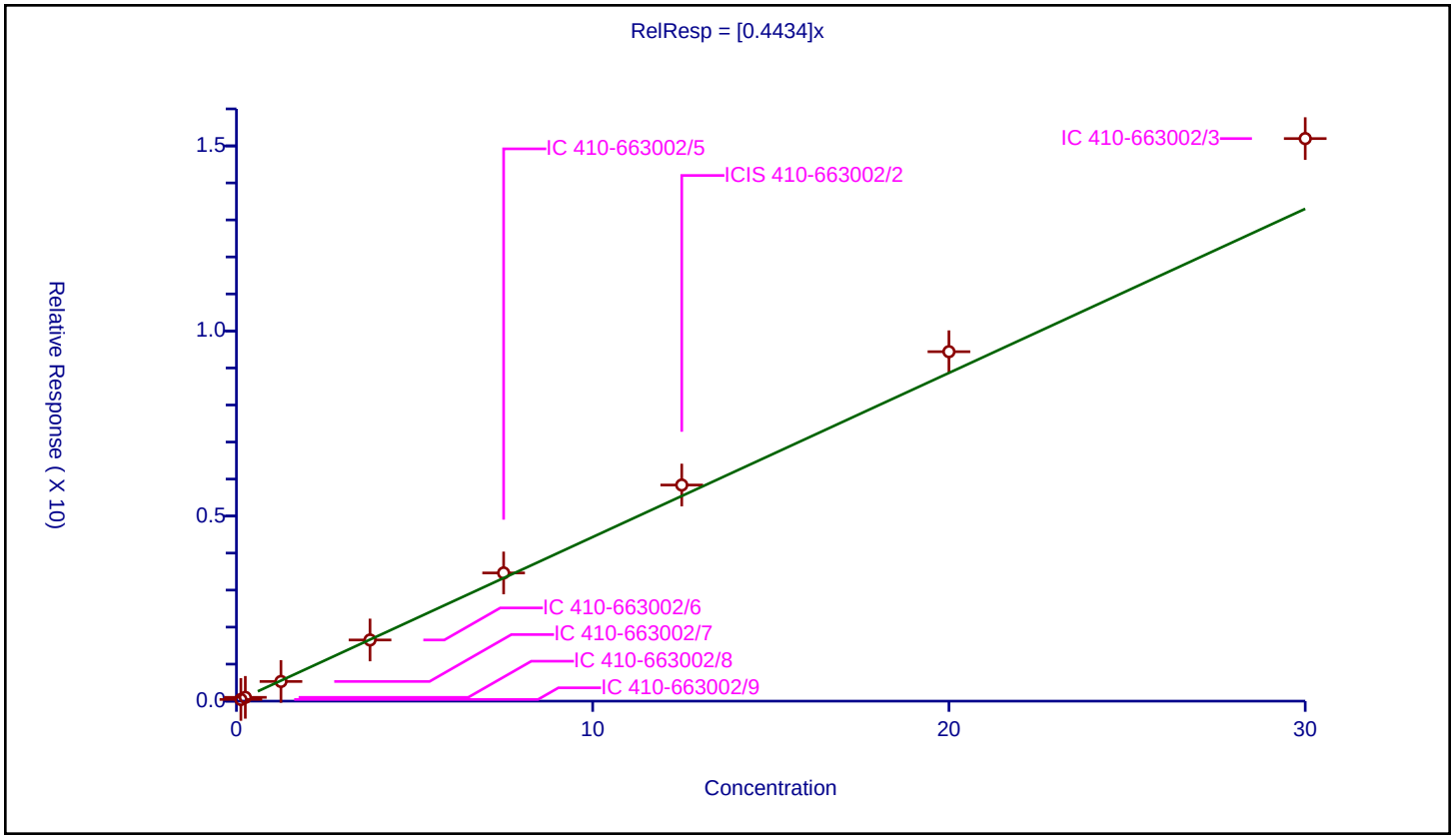
Curve Coefficients

Intercept:	0
Slope:	0.4434

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.045521	5.0	523711.0	0.36417	Y
2	IC 410-663002/8	0.25	0.102407	5.0	560899.0	0.409628	Y
3	IC 410-663002/7	1.25	0.531138	5.0	537582.0	0.42491	Y
4	IC 410-663002/6	3.75	1.652418	5.0	625435.0	0.440645	Y
5	IC 410-663002/5	7.5	3.463227	5.0	588044.0	0.461764	Y
6	ICIS 410-663002/2	12.5	5.838697	5.0	625703.0	0.467096	Y
7	IC 410-663002/4	20.0	9.440816	5.0	741134.0	0.472041	Y
8	IC 410-663002/3	30.0	15.197594	5.0	614316.0	0.506586	Y



Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

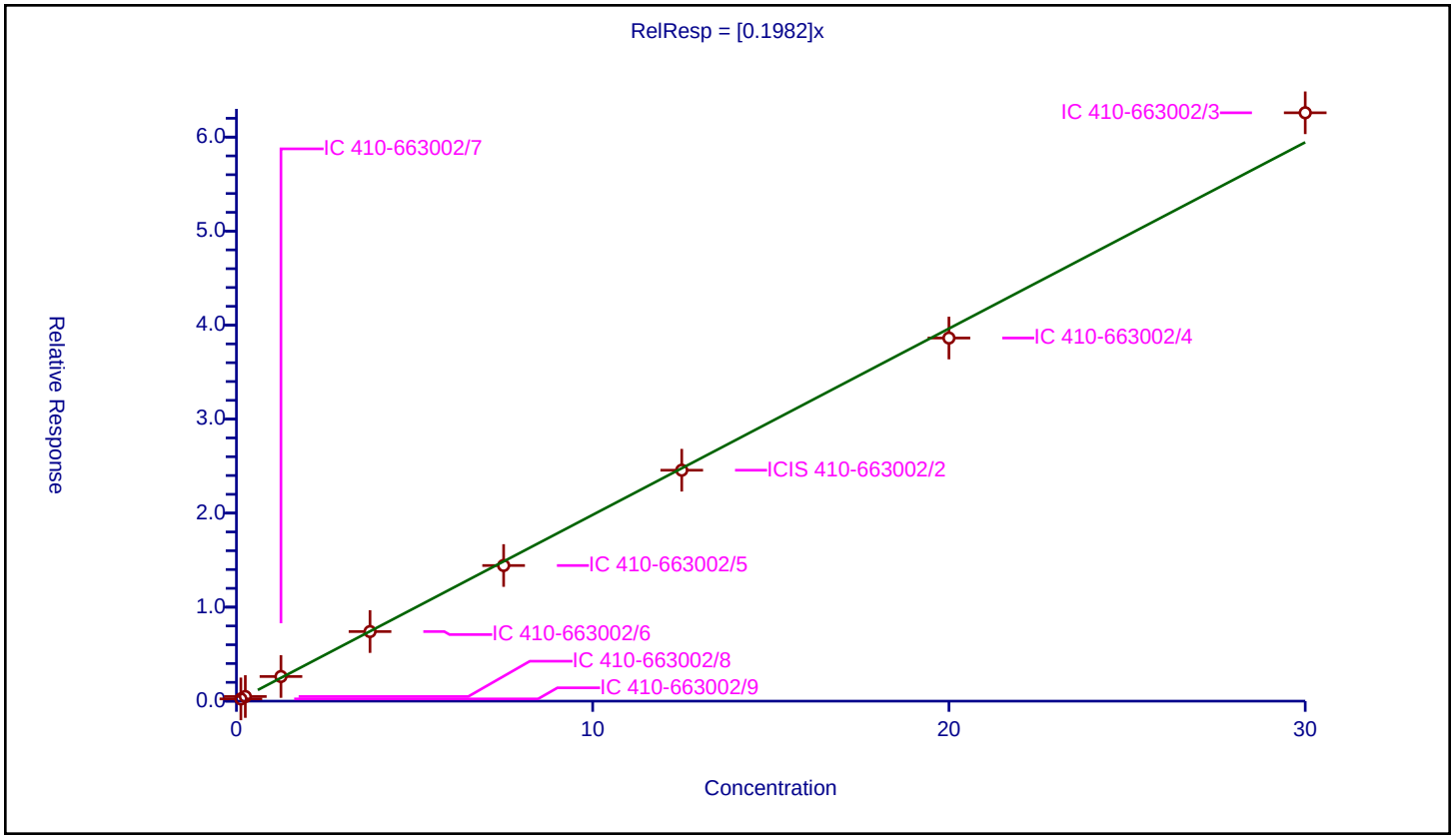
Curve Coefficients

Intercept:	0
Slope:	0.1982

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.02383	5.0	523711.0	0.190639	Y
2	IC 410-663002/8	0.25	0.049278	5.0	560899.0	0.197112	Y
3	IC 410-663002/7	1.25	0.261858	5.0	537582.0	0.209486	Y
4	IC 410-663002/6	3.75	0.740141	5.0	625435.0	0.197371	Y
5	IC 410-663002/5	7.5	1.442834	5.0	588044.0	0.192378	Y
6	ICIS 410-663002/2	12.5	2.456461	5.0	625703.0	0.196517	Y
7	IC 410-663002/4	20.0	3.862669	5.0	741134.0	0.193133	Y
8	IC 410-663002/3	30.0	6.258644	5.0	614316.0	0.208621	Y



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Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

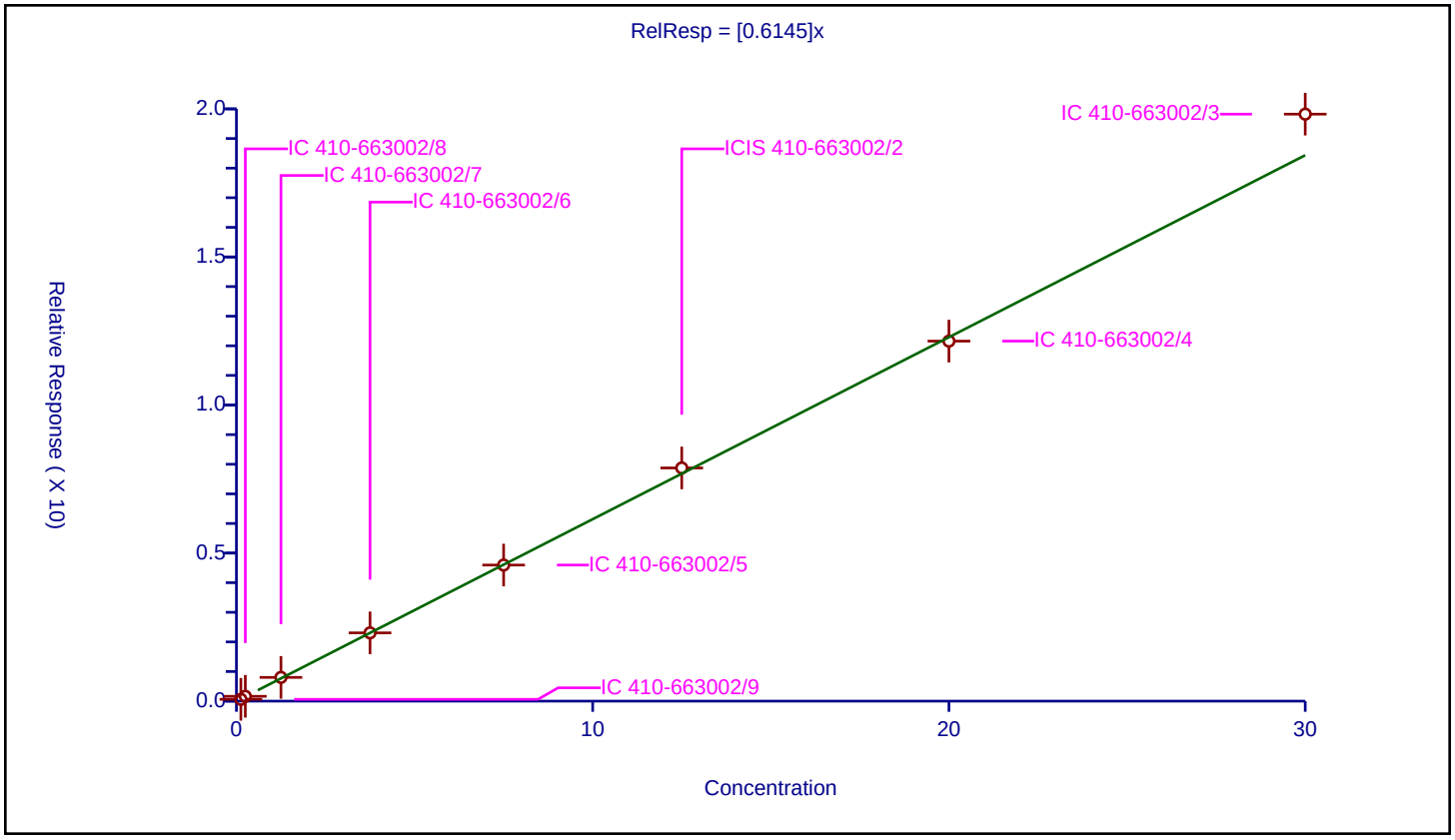
Curve Coefficients

Intercept:	0
Slope:	0.6145

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.061952	5.0	523711.0	0.495617	Y
2	IC 410-663002/8	0.25	0.163167	5.0	560899.0	0.652667	Y
3	IC 410-663002/7	1.25	0.801673	5.0	537582.0	0.641338	Y
4	IC 410-663002/6	3.75	2.305747	5.0	625435.0	0.614866	Y
5	IC 410-663002/5	7.5	4.595566	5.0	588044.0	0.612742	Y
6	ICIS 410-663002/2	12.5	7.875222	5.0	625703.0	0.630018	Y
7	IC 410-663002/4	20.0	12.158233	5.0	741134.0	0.607912	Y
8	IC 410-663002/3	30.0	19.823112	5.0	614316.0	0.66077	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

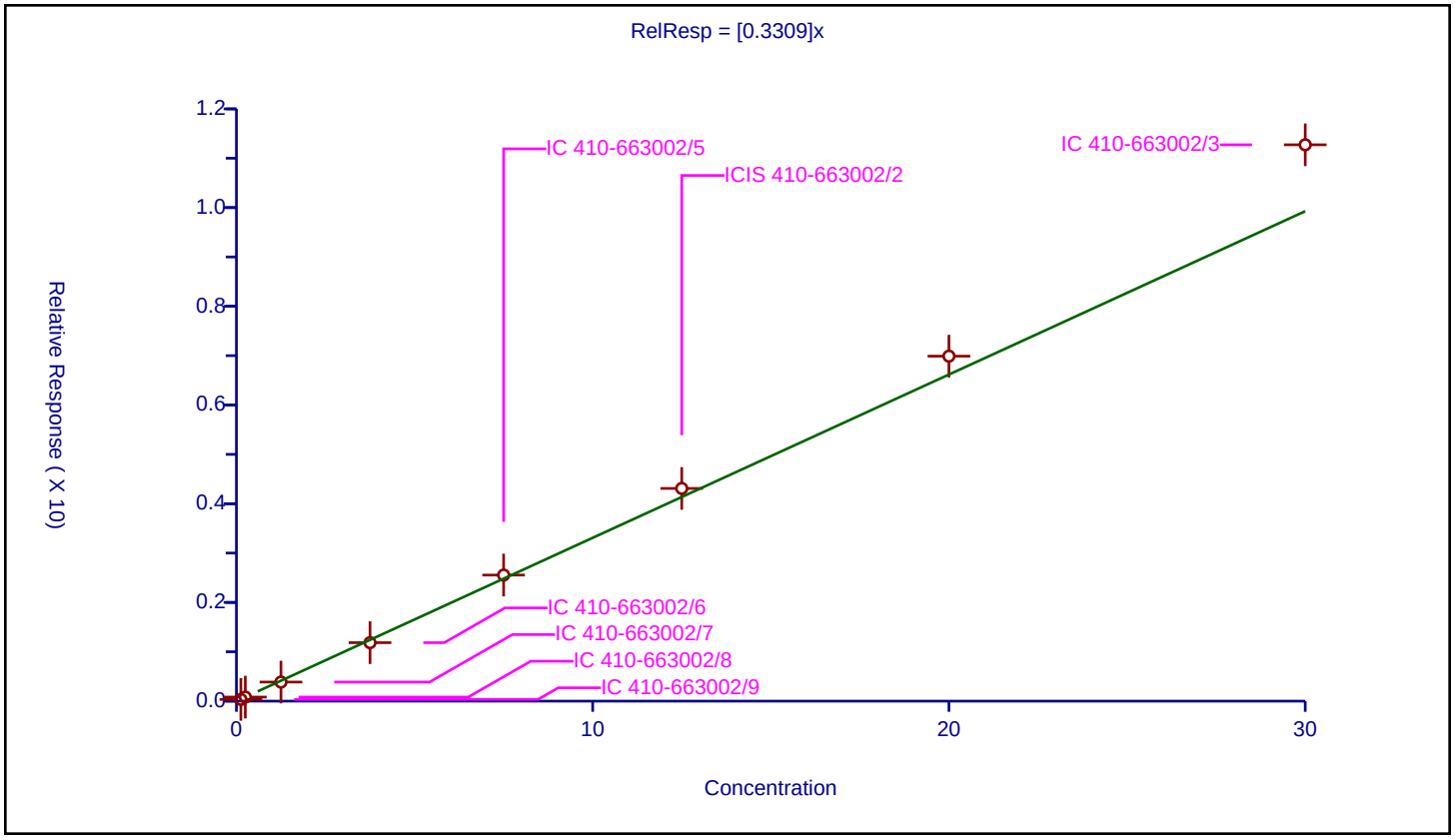
Curve Coefficients

Intercept:	0
Slope:	0.3309

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.035229	5.0	523711.0	0.281835	Y
2	IC 410-663002/8	0.25	0.082323	5.0	560899.0	0.329293	Y
3	IC 410-663002/7	1.25	0.386592	5.0	537582.0	0.309274	Y
4	IC 410-663002/6	3.75	1.185031	5.0	625435.0	0.316008	Y
5	IC 410-663002/5	7.5	2.554622	5.0	588044.0	0.340616	Y
6	ICIS 410-663002/2	12.5	4.309808	5.0	625703.0	0.344785	Y
7	IC 410-663002/4	20.0	6.990038	5.0	741134.0	0.349502	Y
8	IC 410-663002/3	30.0	11.272806	5.0	614316.0	0.37576	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

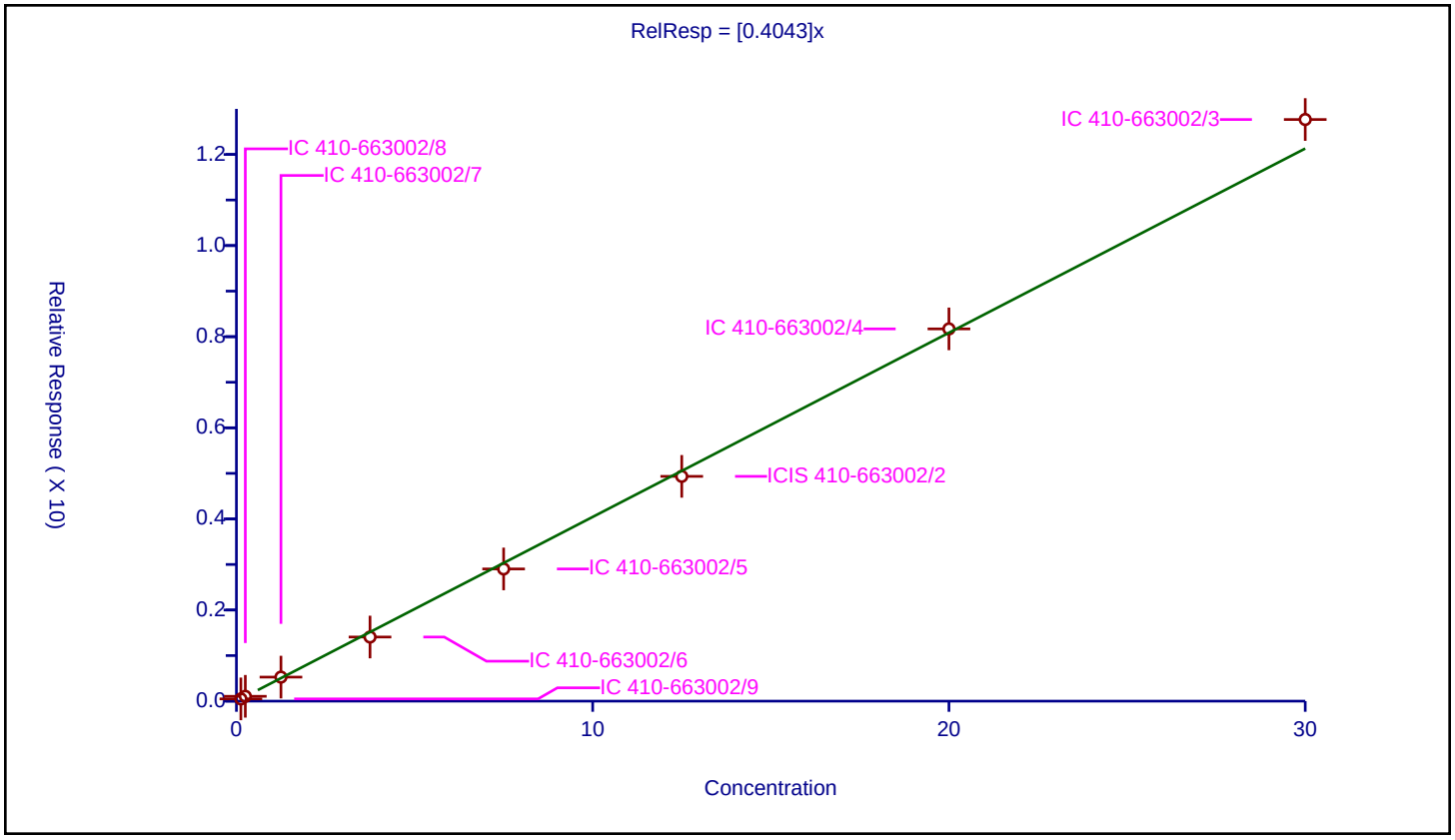
Curve Coefficients

Intercept:	0
Slope:	0.4043

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.049474	5.0	523711.0	0.395791	Y
2	IC 410-663002/8	0.25	0.106383	5.0	560899.0	0.425531	Y
3	IC 410-663002/7	1.25	0.527631	5.0	537582.0	0.422105	Y
4	IC 410-663002/6	3.75	1.407508	5.0	625435.0	0.375336	Y
5	IC 410-663002/5	7.5	2.902062	5.0	588044.0	0.386942	Y
6	ICIS 410-663002/2	12.5	4.933962	5.0	625703.0	0.394717	Y
7	IC 410-663002/4	20.0	8.170972	5.0	741134.0	0.408549	Y
8	IC 410-663002/3	30.0	12.766443	5.0	614316.0	0.425548	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

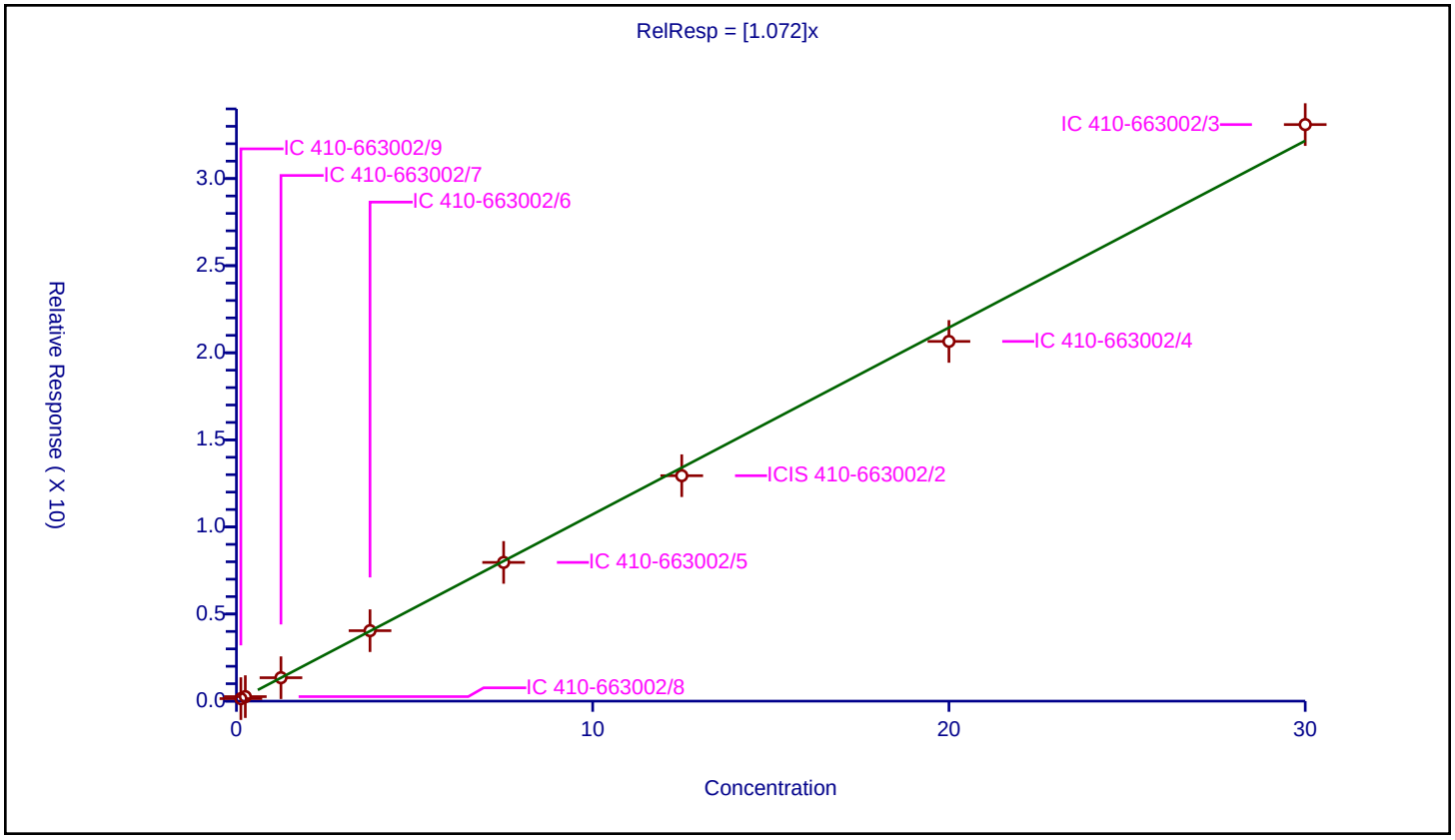
Curve Coefficients

Intercept:	0
Slope:	1.072

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.144412	5.0	523711.0	1.155294	Y
2	IC 410-663002/8	0.25	0.258719	5.0	560899.0	1.034874	Y
3	IC 410-663002/7	1.25	1.345497	5.0	537582.0	1.076398	Y
4	IC 410-663002/6	3.75	4.044729	5.0	625435.0	1.078594	Y
5	IC 410-663002/5	7.5	7.964004	5.0	588044.0	1.061867	Y
6	ICIS 410-663002/2	12.5	12.942802	5.0	625703.0	1.035424	Y
7	IC 410-663002/4	20.0	20.652089	5.0	741134.0	1.032604	Y
8	IC 410-663002/3	30.0	33.099545	5.0	614316.0	1.103318	Y



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Calibration / Alpha-Terpineol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

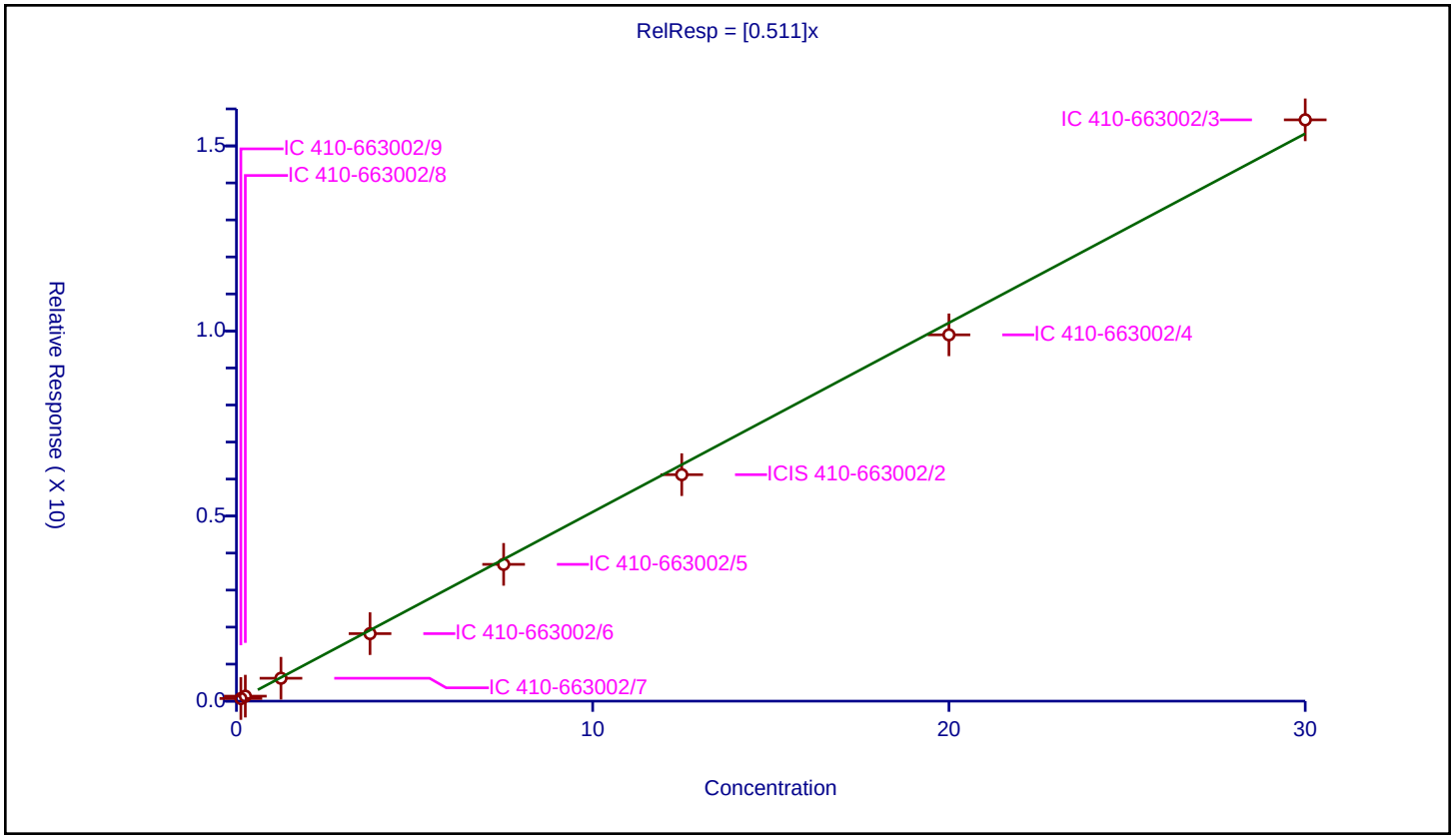
Curve Coefficients

Intercept:	0
Slope:	0.511

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.071089	5.0	523711.0	0.568711	Y
2	IC 410-663002/8	0.25	0.134579	5.0	560899.0	0.538314	Y
3	IC 410-663002/7	1.25	0.618241	5.0	537582.0	0.494592	Y
4	IC 410-663002/6	3.75	1.823619	5.0	625435.0	0.486298	Y
5	IC 410-663002/5	7.5	3.695072	5.0	588044.0	0.492676	Y
6	ICIS 410-663002/2	12.5	6.118454	5.0	625703.0	0.489476	Y
7	IC 410-663002/4	20.0	9.89626	5.0	741134.0	0.494813	Y
8	IC 410-663002/3	30.0	15.704572	5.0	614316.0	0.523486	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

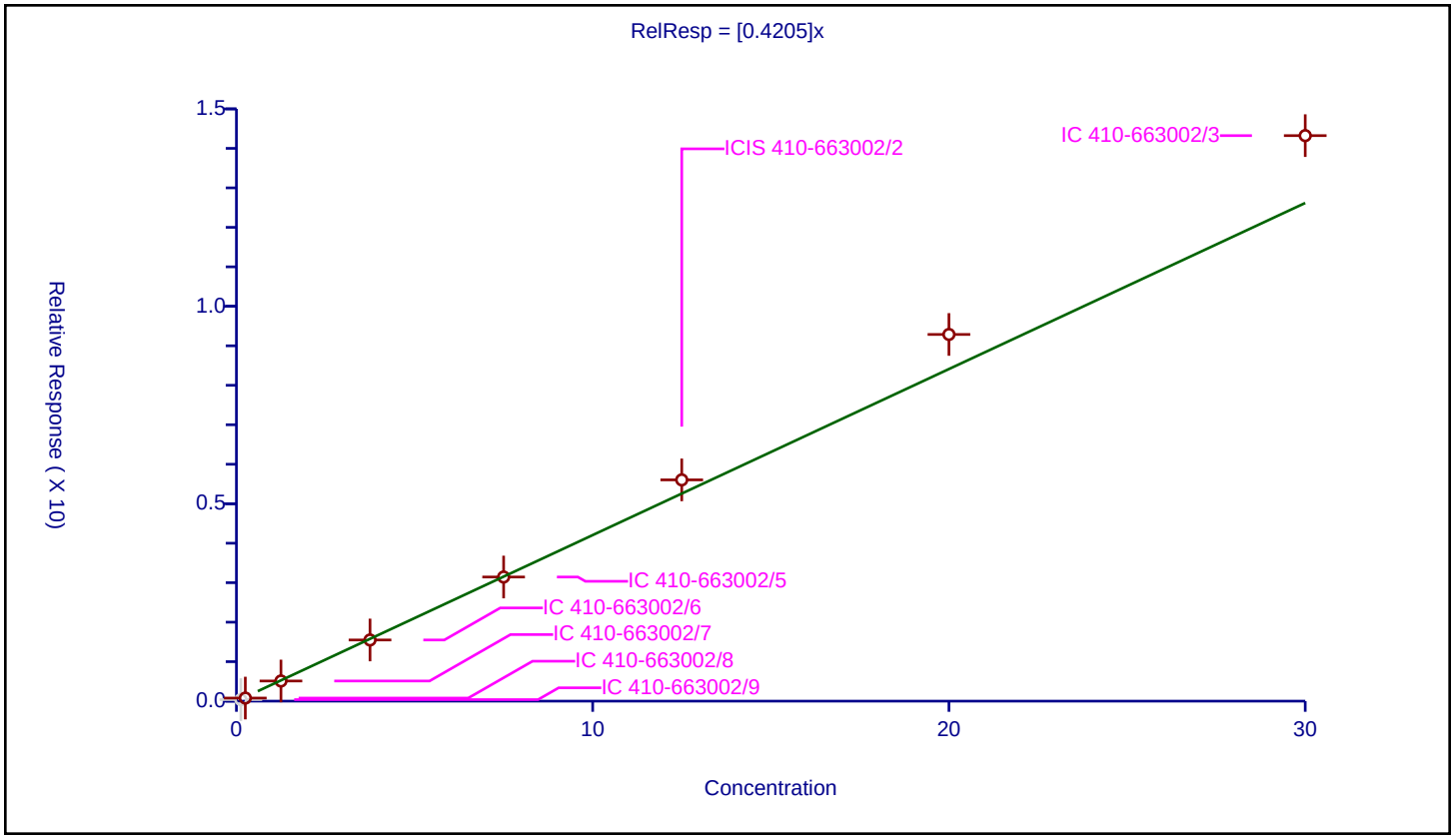
Curve Coefficients

Intercept:	0
Slope:	0.4205

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.038819	5.0	523711.0	0.310553	N
2	IC 410-663002/8	0.25	0.078232	5.0	560899.0	0.312926	Y
3	IC 410-663002/7	1.25	0.510629	5.0	537582.0	0.408503	Y
4	IC 410-663002/6	3.75	1.549194	5.0	625435.0	0.413118	Y
5	IC 410-663002/5	7.5	3.143914	5.0	588044.0	0.419189	Y
6	ICIS 410-663002/2	12.5	5.604081	5.0	625703.0	0.448326	Y
7	IC 410-663002/4	20.0	9.287335	5.0	741134.0	0.464367	Y
8	IC 410-663002/3	30.0	14.322401	5.0	614316.0	0.477413	Y



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Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

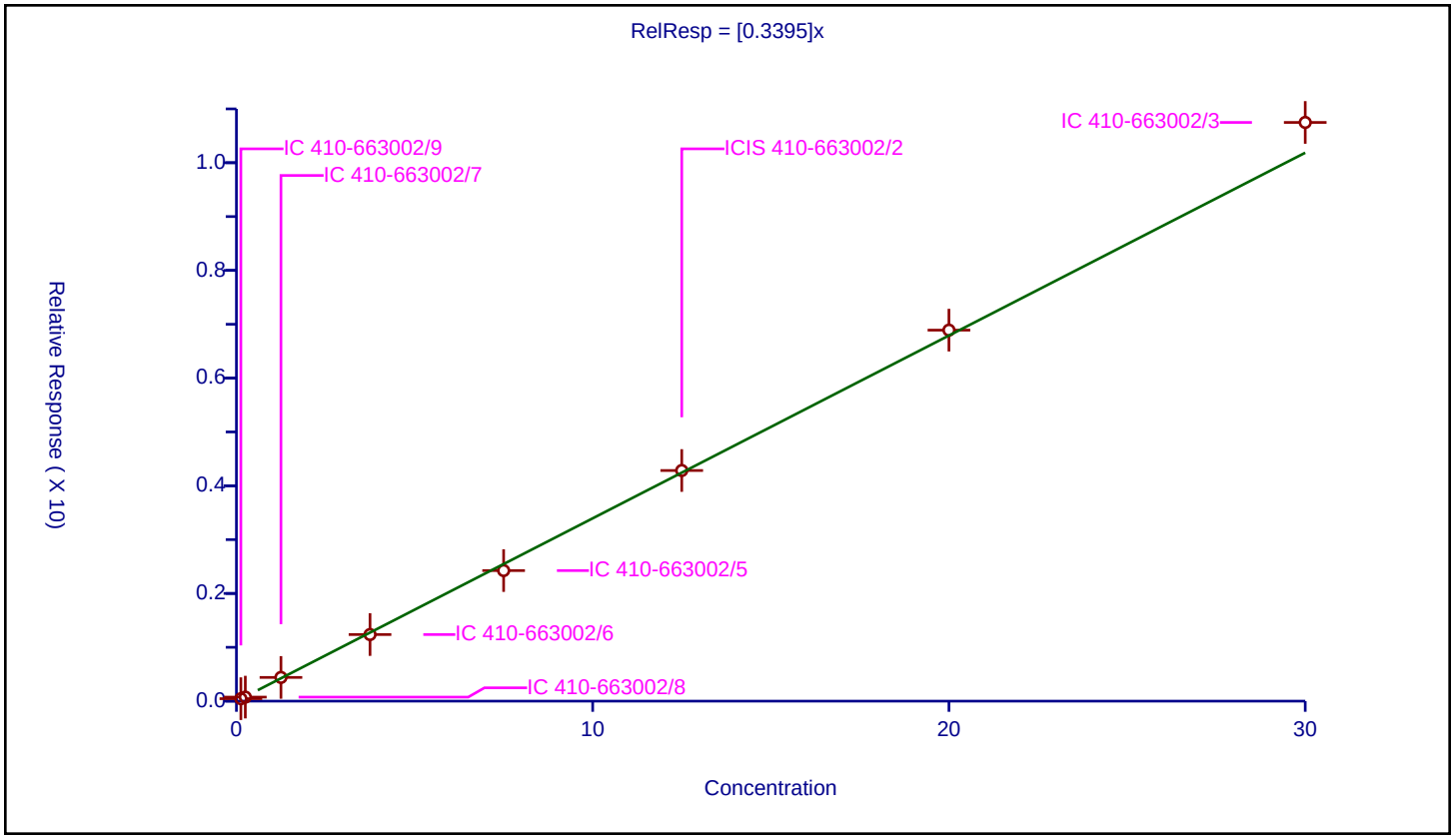
Curve Coefficients

Intercept:	0
Slope:	0.3395

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.045789	5.0	523711.0	0.366309	Y
2	IC 410-663002/8	0.25	0.07471	5.0	560899.0	0.298842	Y
3	IC 410-663002/7	1.25	0.440268	5.0	537582.0	0.352214	Y
4	IC 410-663002/6	3.75	1.237107	5.0	625435.0	0.329895	Y
5	IC 410-663002/5	7.5	2.425176	5.0	588044.0	0.323357	Y
6	ICIS 410-663002/2	12.5	4.283566	5.0	625703.0	0.342685	Y
7	IC 410-663002/4	20.0	6.890697	5.0	741134.0	0.344535	Y
8	IC 410-663002/3	30.0	10.748222	5.0	614316.0	0.358274	Y



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Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

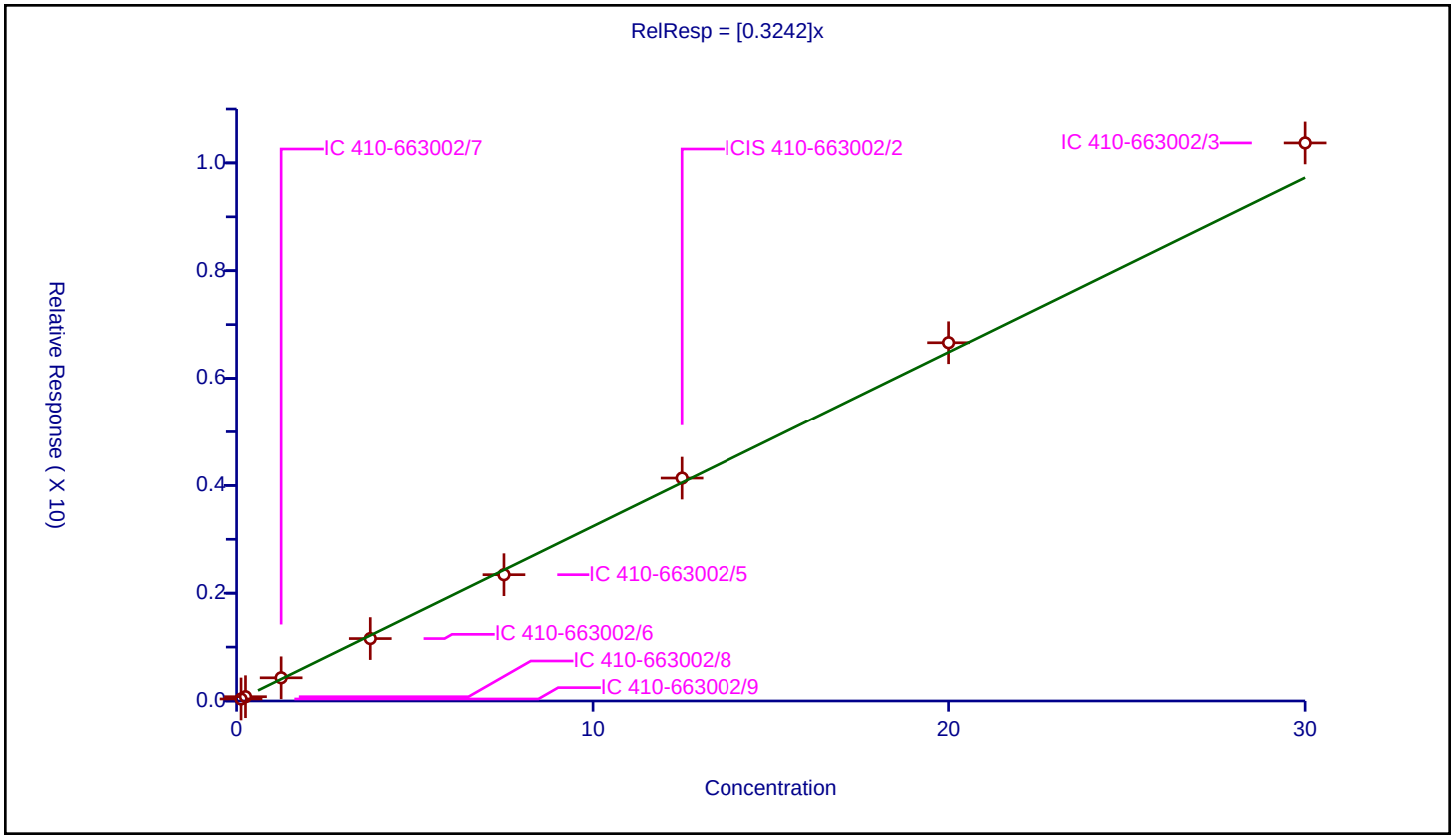
Curve Coefficients

Intercept:	0
Slope:	0.3242

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.037559	5.0	523711.0	0.300471	Y
2	IC 410-663002/8	0.25	0.079622	5.0	560899.0	0.318489	Y
3	IC 410-663002/7	1.25	0.43012	5.0	537582.0	0.344096	Y
4	IC 410-663002/6	3.75	1.15781	5.0	625435.0	0.308749	Y
5	IC 410-663002/5	7.5	2.342954	5.0	588044.0	0.312394	Y
6	ICIS 410-663002/2	12.5	4.136052	5.0	625703.0	0.330884	Y
7	IC 410-663002/4	20.0	6.663667	5.0	741134.0	0.333183	Y
8	IC 410-663002/3	30.0	10.370982	5.0	614316.0	0.345699	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

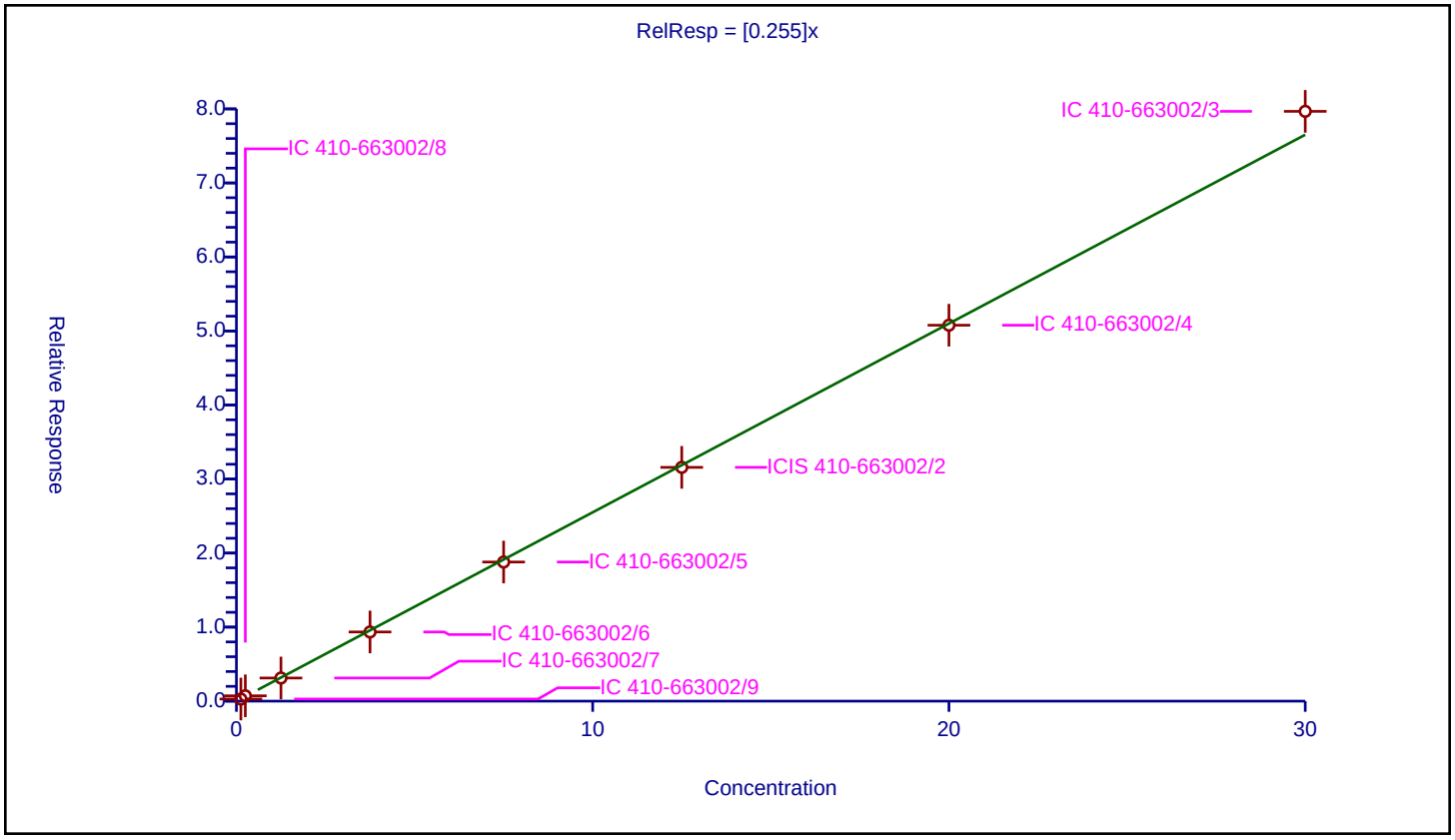
Curve Coefficients

Intercept:	0
Slope:	0.255

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.028766	5.0	523711.0	0.230127	Y
2	IC 410-663002/8	0.25	0.072018	5.0	560899.0	0.288073	Y
3	IC 410-663002/7	1.25	0.312613	5.0	537582.0	0.25009	Y
4	IC 410-663002/6	3.75	0.934637	5.0	625435.0	0.249237	Y
5	IC 410-663002/5	7.5	1.879332	5.0	588044.0	0.250578	Y
6	ICIS 410-663002/2	12.5	3.157832	5.0	625703.0	0.252627	Y
7	IC 410-663002/4	20.0	5.077935	5.0	741134.0	0.253897	Y
8	IC 410-663002/3	30.0	7.966918	5.0	614316.0	0.265564	Y



Calibration / p-Phenylene diamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

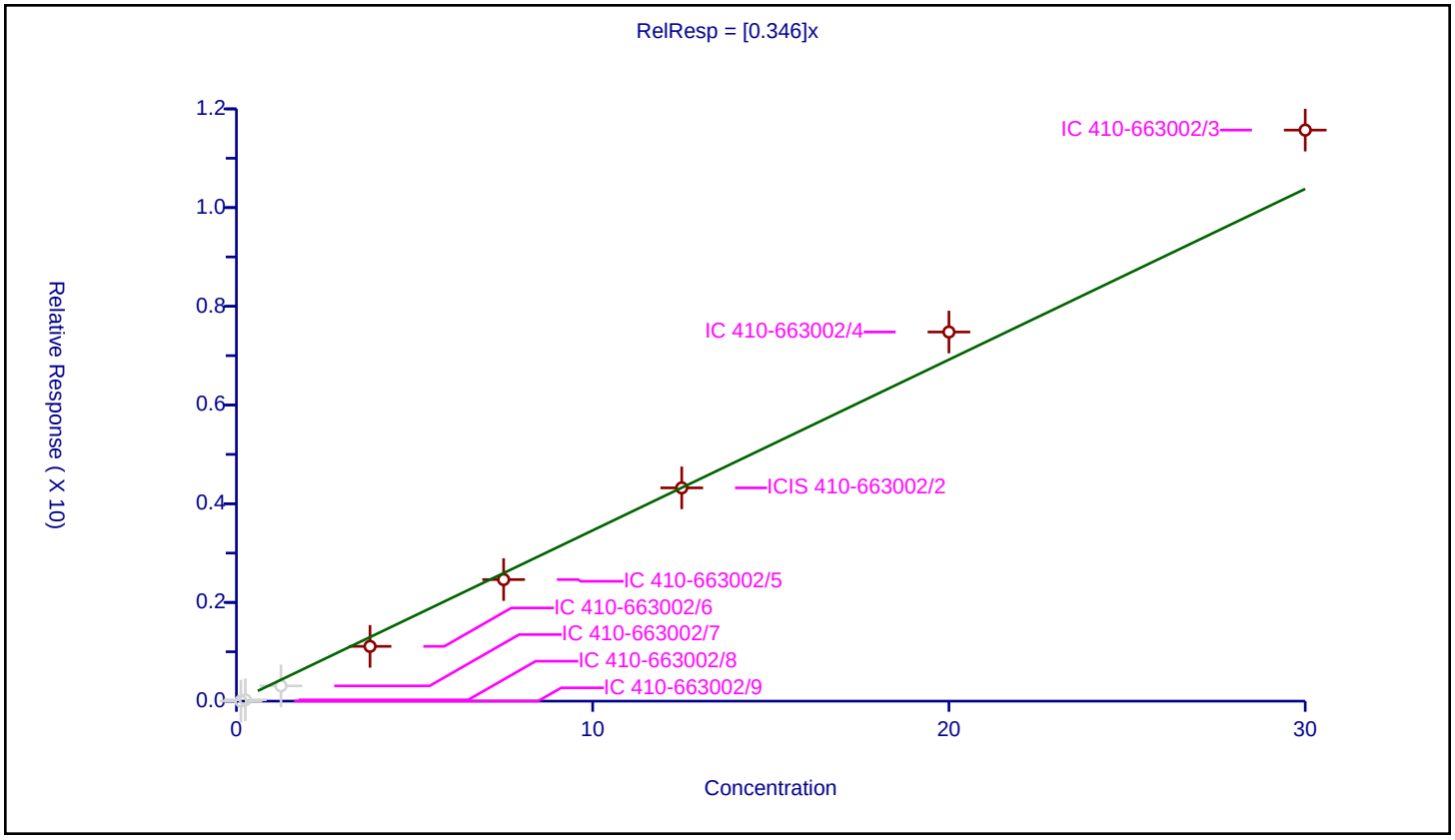
Curve Coefficients

Intercept:	0
Slope:	0.346

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.001088	5.0	523711.0	0.008707	N
2	IC 410-663002/8	0.25	0.026351	5.0	560899.0	0.105402	N
3	IC 410-663002/7	1.25	0.308976	5.0	537582.0	0.247181	N
4	IC 410-663002/6	3.75	1.110043	5.0	625435.0	0.296012	Y
5	IC 410-663002/5	7.5	2.463506	5.0	588044.0	0.328467	Y
6	ICIS 410-663002/2	12.5	4.321291	5.0	625703.0	0.345703	Y
7	IC 410-663002/4	20.0	7.479383	5.0	741134.0	0.373969	Y
8	IC 410-663002/3	30.0	11.570609	5.0	614316.0	0.385687	Y



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Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

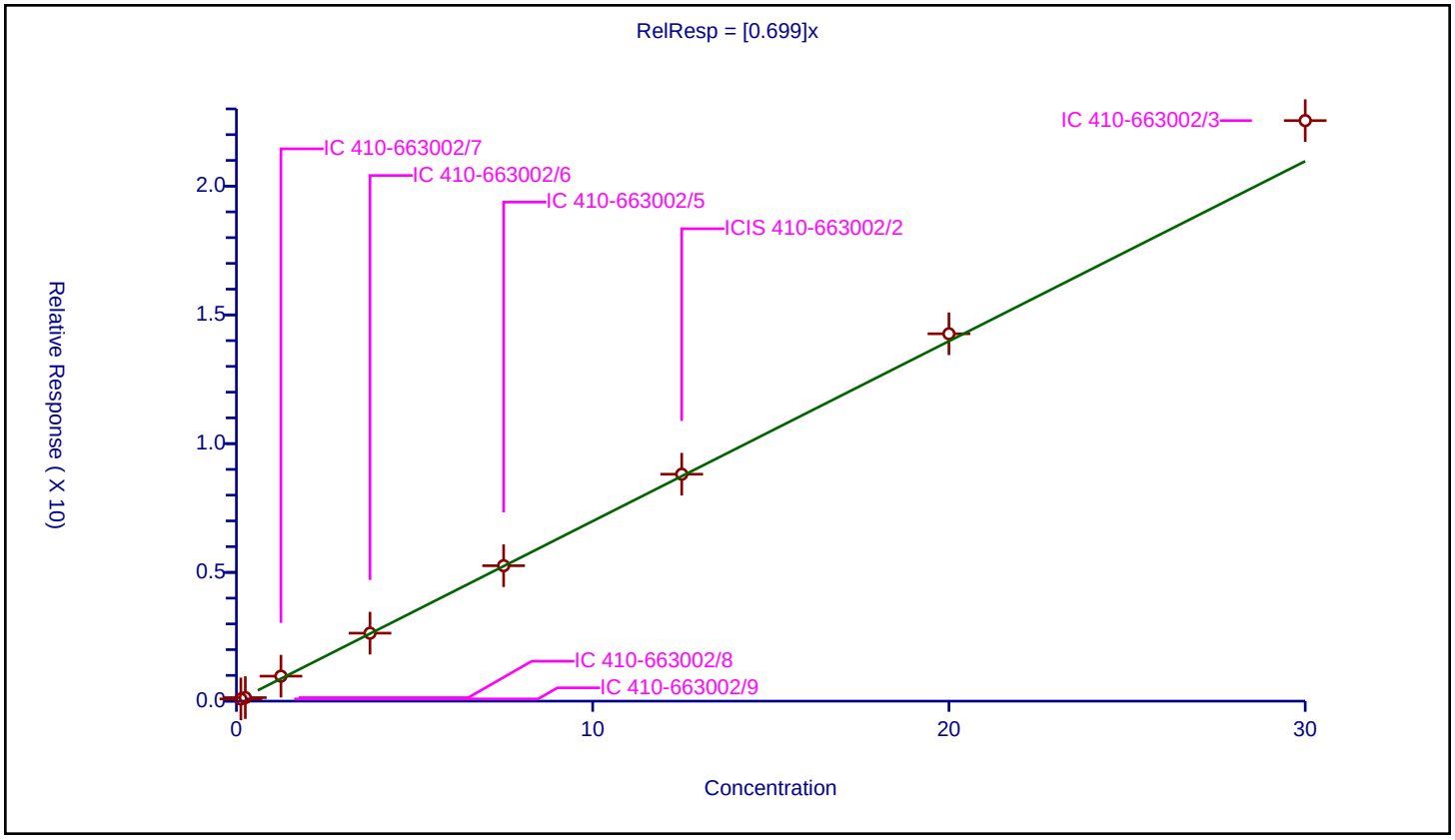
Curve Coefficients

Intercept:	0
Slope:	0.699

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.086498	5.0	523711.0	0.691985	Y
2	IC 410-663002/8	0.25	0.136941	5.0	560899.0	0.547764	Y
3	IC 410-663002/7	1.25	0.970977	5.0	537582.0	0.776782	Y
4	IC 410-663002/6	3.75	2.639707	5.0	625435.0	0.703922	Y
5	IC 410-663002/5	7.5	5.259385	5.0	588044.0	0.701251	Y
6	ICIS 410-663002/2	12.5	8.813535	5.0	625703.0	0.705083	Y
7	IC 410-663002/4	20.0	14.267022	5.0	741134.0	0.713351	Y
8	IC 410-663002/3	30.0	22.545319	5.0	614316.0	0.751511	Y



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Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

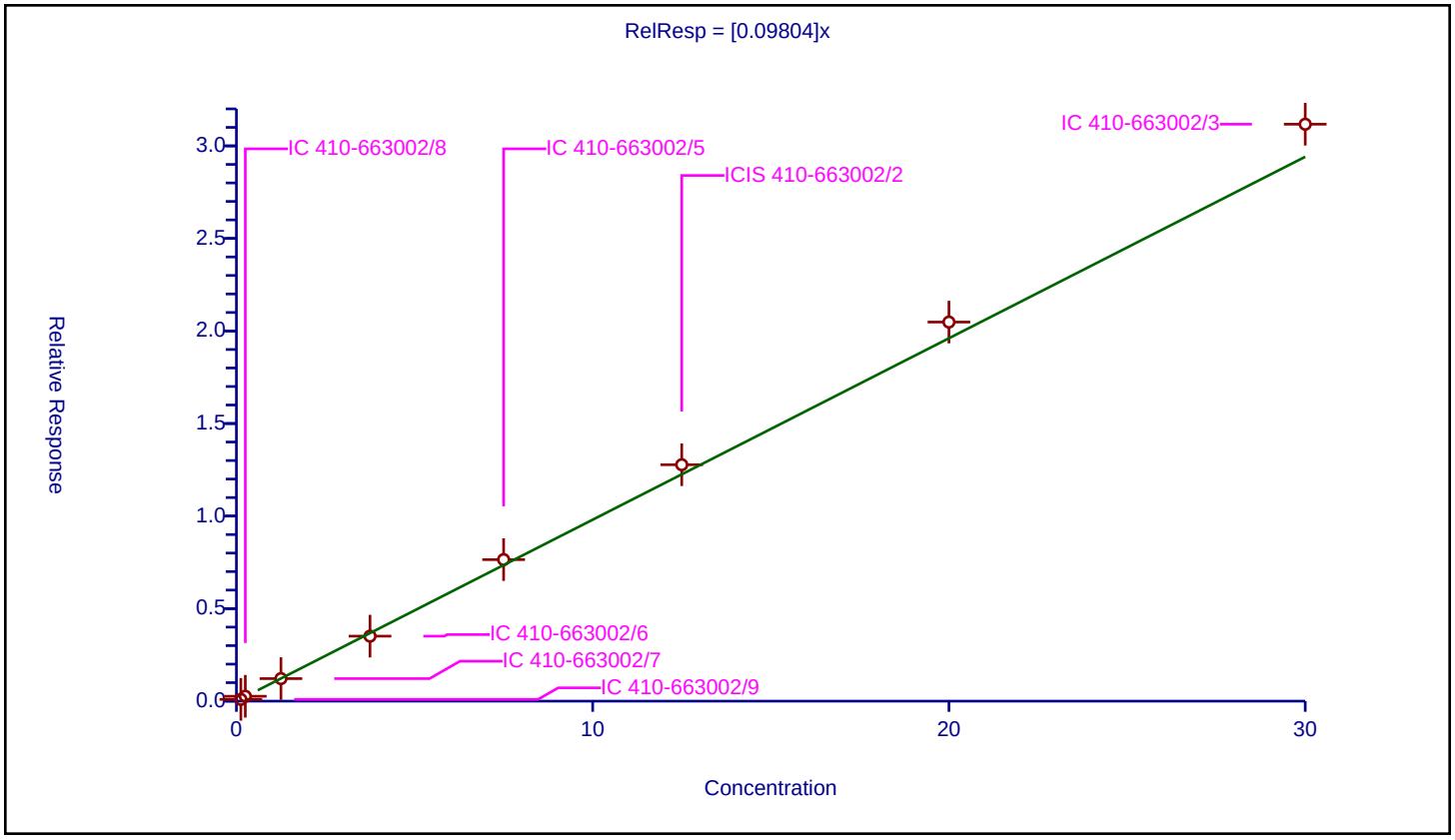
Curve Coefficients

Intercept:	0
Slope:	0.09804

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.009624	5.0	523711.0	0.076989	Y
2	IC 410-663002/8	0.25	0.026431	5.0	560899.0	0.105723	Y
3	IC 410-663002/7	1.25	0.121842	5.0	537582.0	0.097474	Y
4	IC 410-663002/6	3.75	0.351188	5.0	625435.0	0.09365	Y
5	IC 410-663002/5	7.5	0.764671	5.0	588044.0	0.101956	Y
6	ICIS 410-663002/2	12.5	1.277323	5.0	625703.0	0.102186	Y
7	IC 410-663002/4	20.0	2.048233	5.0	741134.0	0.102412	Y
8	IC 410-663002/3	30.0	3.117109	5.0	614316.0	0.103904	Y



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Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

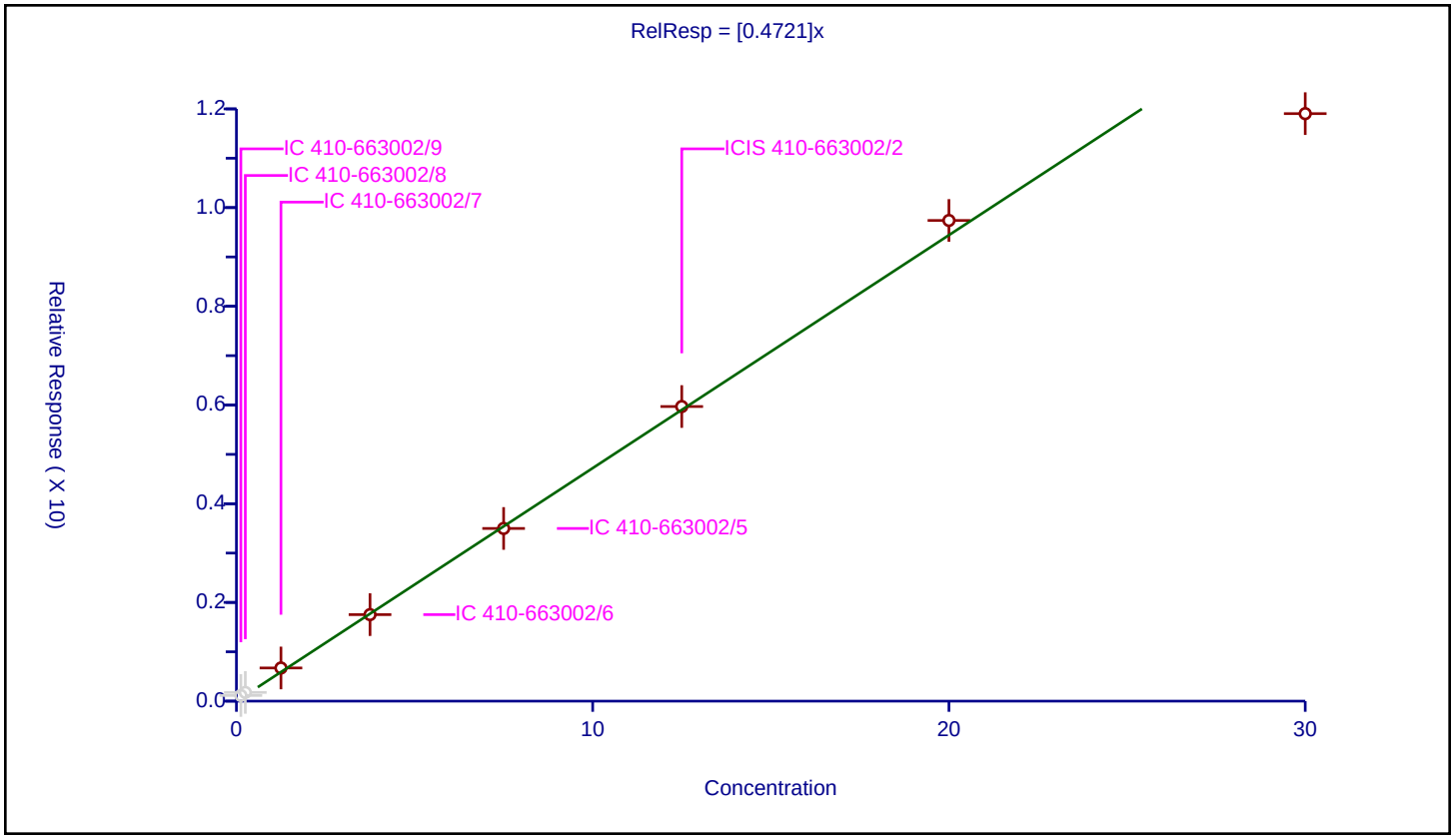
Curve Coefficients

Intercept:	0
Slope:	0.4721

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.114787	5.0	523711.0	0.918293	N
2	IC 410-663002/8	0.25	0.176859	5.0	560899.0	0.707436	N
3	IC 410-663002/7	1.25	0.671897	5.0	537582.0	0.537518	Y
4	IC 410-663002/6	3.75	1.753212	5.0	625435.0	0.467523	Y
5	IC 410-663002/5	7.5	3.498573	5.0	588044.0	0.466476	Y
6	ICIS 410-663002/2	12.5	5.969238	5.0	625703.0	0.477539	Y
7	IC 410-663002/4	20.0	9.739264	5.0	741134.0	0.486963	Y
8	IC 410-663002/3	30.0	11.903686	5.0	614316.0	0.39679	Y



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Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

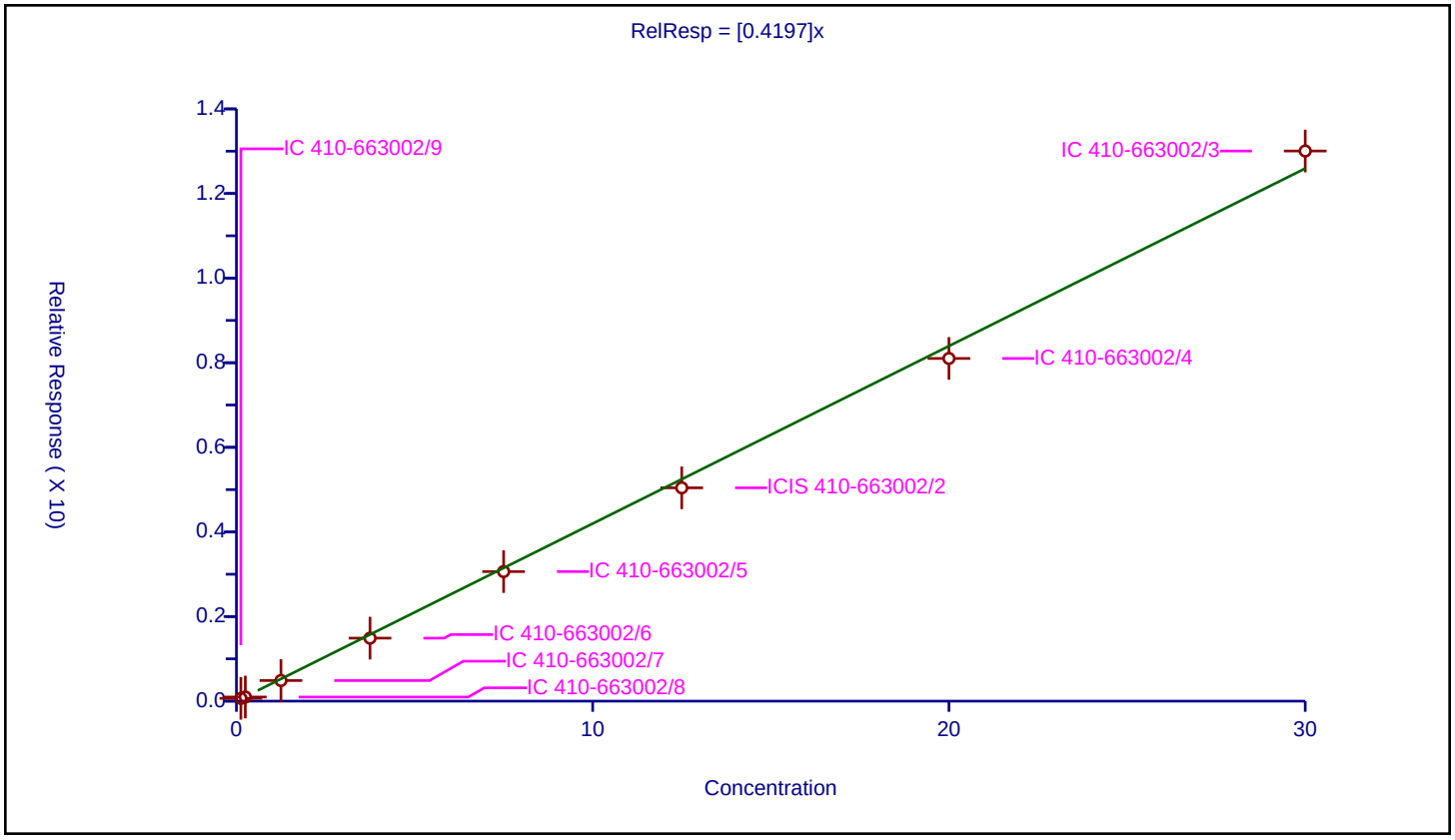
Curve Coefficients

Intercept:	0
Slope:	0.4197

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.066497	5.0	523711.0	0.531973	Y
2	IC 410-663002/8	0.25	0.097174	5.0	560899.0	0.388697	Y
3	IC 410-663002/7	1.25	0.487154	5.0	537582.0	0.389723	Y
4	IC 410-663002/6	3.75	1.489243	5.0	625435.0	0.397132	Y
5	IC 410-663002/5	7.5	3.062951	5.0	588044.0	0.408393	Y
6	ICIS 410-663002/2	12.5	5.04248	5.0	625703.0	0.403398	Y
7	IC 410-663002/4	20.0	8.100445	5.0	741134.0	0.405022	Y
8	IC 410-663002/3	30.0	13.004545	5.0	614316.0	0.433485	Y



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Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

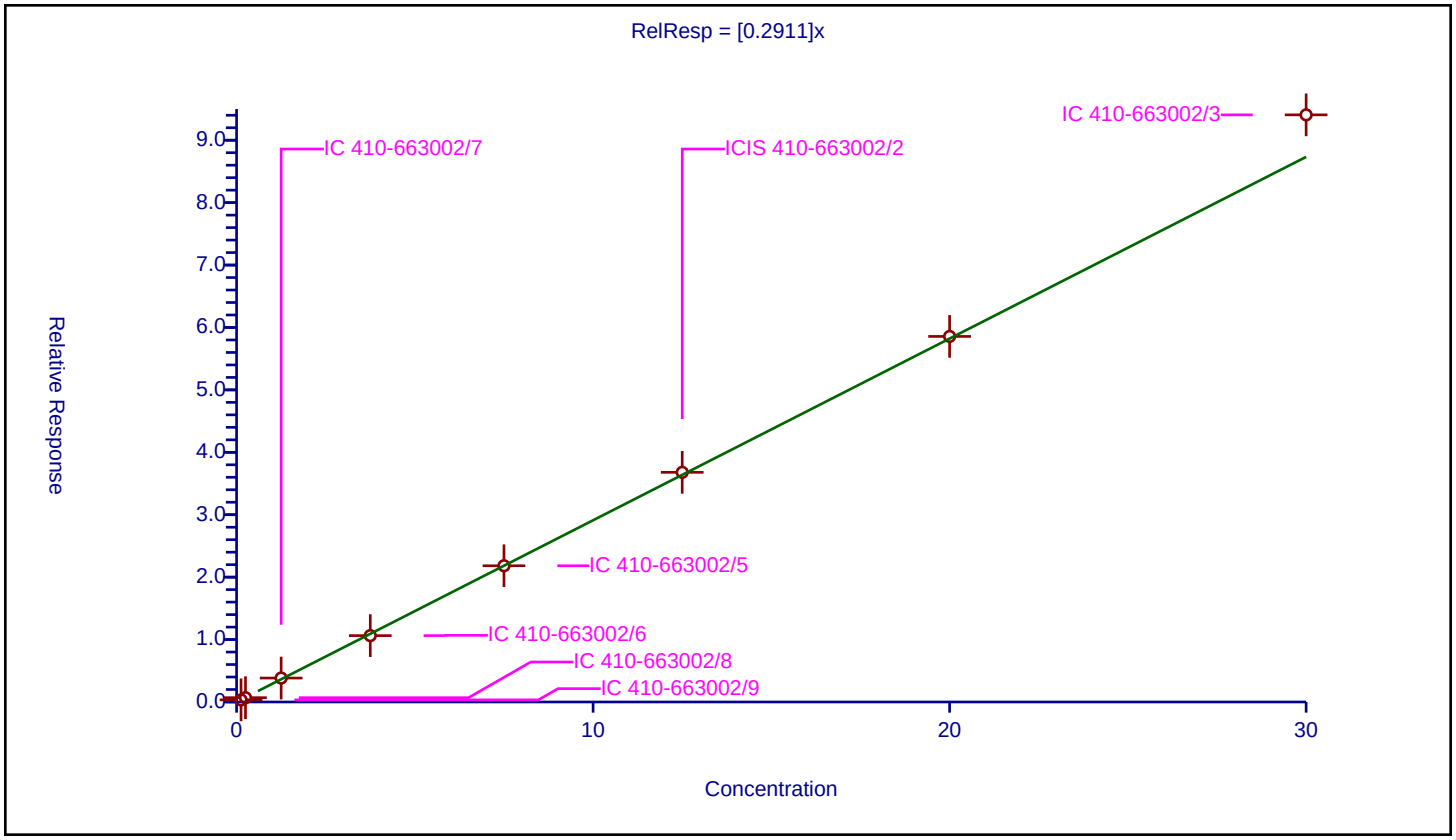
Curve Coefficients

Intercept:	0
Slope:	0.2911

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.033921	5.0	523711.0	0.271371	Y
2	IC 410-663002/8	0.25	0.068827	5.0	560899.0	0.275308	Y
3	IC 410-663002/7	1.25	0.383644	5.0	537582.0	0.306915	Y
4	IC 410-663002/6	3.75	1.062988	5.0	625435.0	0.283464	Y
5	IC 410-663002/5	7.5	2.18249	5.0	588044.0	0.290999	Y
6	ICIS 410-663002/2	12.5	3.679493	5.0	625703.0	0.294359	Y
7	IC 410-663002/4	20.0	5.856782	5.0	741134.0	0.292839	Y
8	IC 410-663002/3	30.0	9.406405	5.0	614316.0	0.313547	Y



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Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

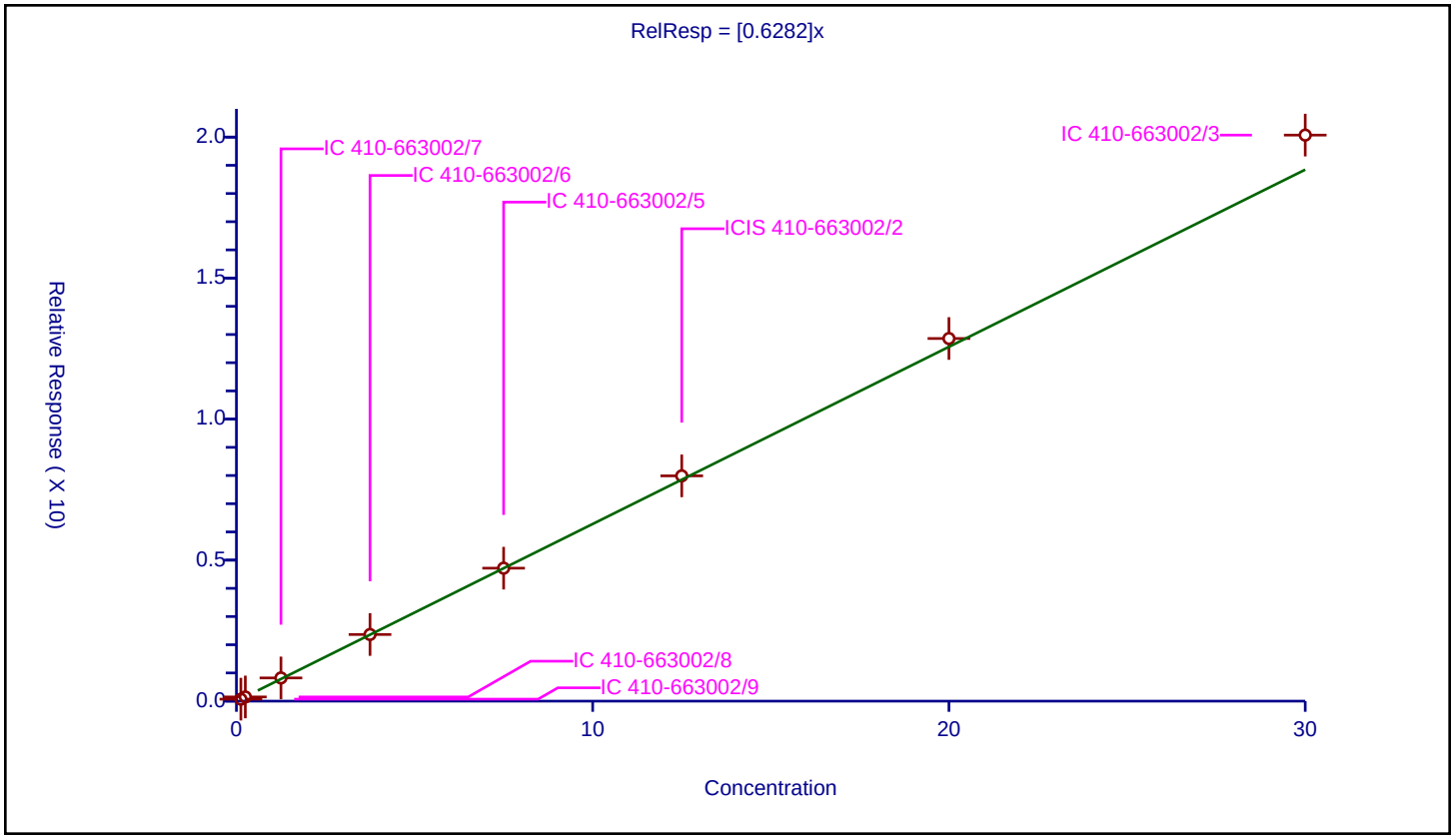
Curve Coefficients

Intercept:	0
Slope:	0.6282

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.070516	5.0	523711.0	0.564128	Y
2	IC 410-663002/8	0.25	0.148315	5.0	560899.0	0.593262	Y
3	IC 410-663002/7	1.25	0.822674	5.0	537582.0	0.65814	Y
4	IC 410-663002/6	3.75	2.363315	5.0	625435.0	0.630217	Y
5	IC 410-663002/5	7.5	4.715004	5.0	588044.0	0.628667	Y
6	ICIS 410-663002/2	12.5	7.988279	5.0	625703.0	0.639062	Y
7	IC 410-663002/4	20.0	12.85837	5.0	741134.0	0.642918	Y
8	IC 410-663002/3	30.0	20.07068	5.0	614316.0	0.669023	Y



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Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

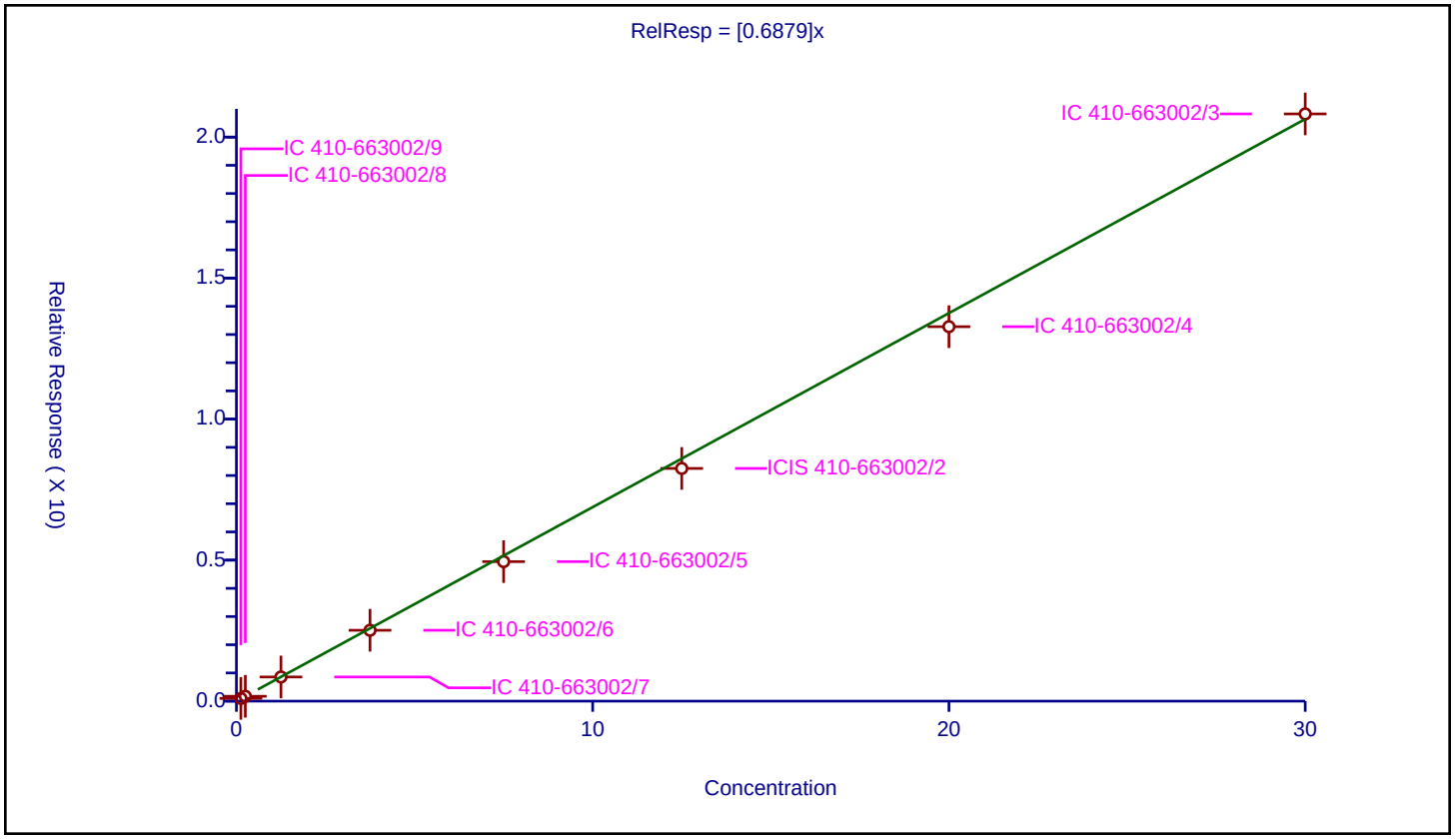
Curve Coefficients

Intercept:	0
Slope:	0.6879

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.097726	5.0	523711.0	0.781805	Y
2	IC 410-663002/8	0.25	0.172018	5.0	560899.0	0.688074	Y
3	IC 410-663002/7	1.25	0.857218	5.0	537582.0	0.685774	Y
4	IC 410-663002/6	3.75	2.512667	5.0	625435.0	0.670045	Y
5	IC 410-663002/5	7.5	4.947045	5.0	588044.0	0.659606	Y
6	ICIS 410-663002/2	12.5	8.251319	5.0	625703.0	0.660106	Y
7	IC 410-663002/4	20.0	13.27797	5.0	741134.0	0.663898	Y
8	IC 410-663002/3	30.0	20.821686	5.0	614316.0	0.694056	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

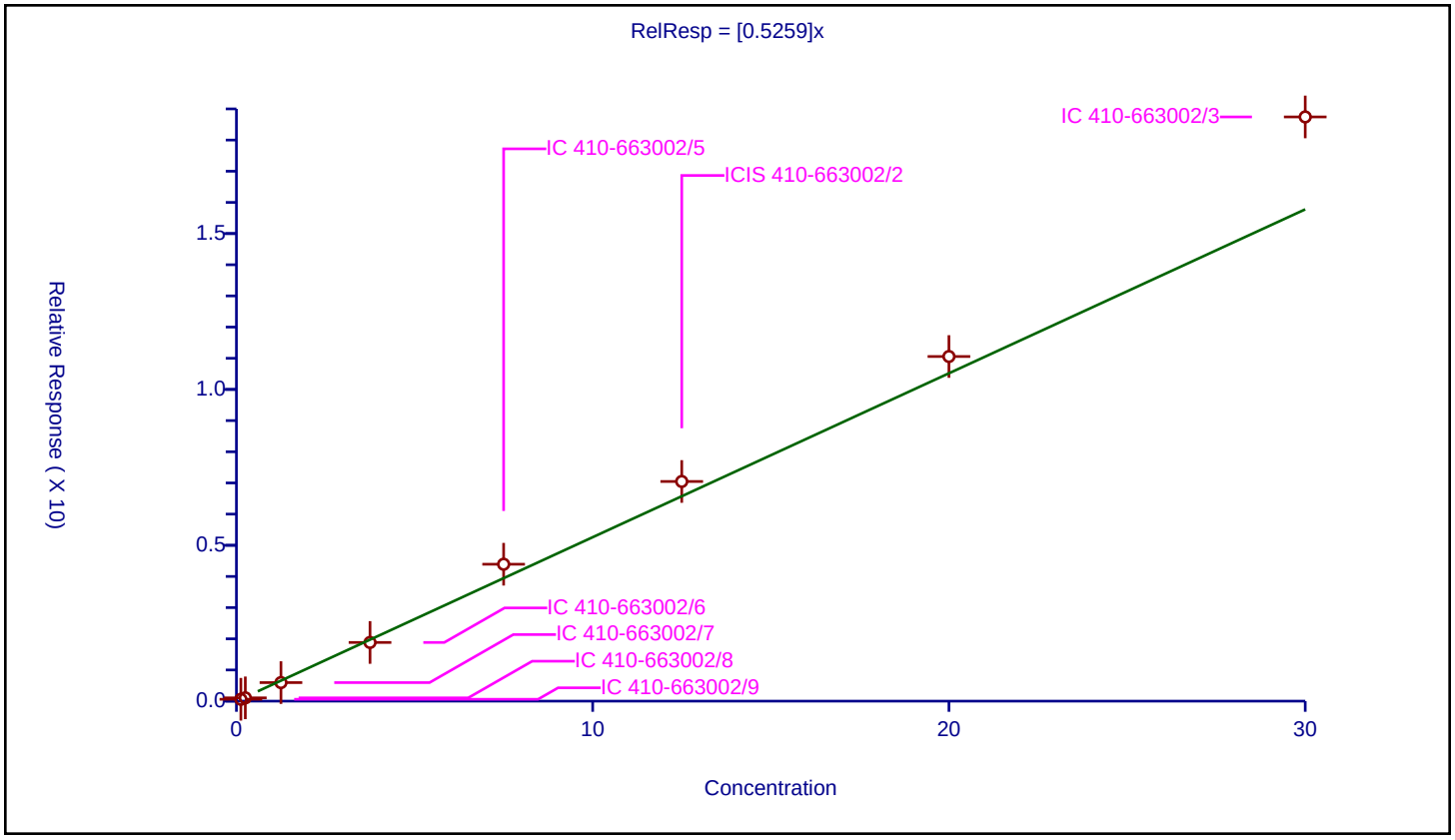
Curve Coefficients

Intercept:	0
Slope:	0.5259

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.059942	5.0	328987.0	0.479533	Y
2	IC 410-663002/8	0.25	0.105722	5.0	347467.0	0.422889	Y
3	IC 410-663002/7	1.25	0.594725	5.0	340712.0	0.47578	Y
4	IC 410-663002/6	3.75	1.882384	5.0	385280.0	0.501969	Y
5	IC 410-663002/5	7.5	4.392329	5.0	332178.0	0.585644	Y
6	ICIS 410-663002/2	12.5	7.047279	5.0	372785.0	0.563782	Y
7	IC 410-663002/4	20.0	11.05616	5.0	463888.0	0.552808	Y
8	IC 410-663002/3	30.0	18.741991	5.0	356297.0	0.624733	Y



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Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

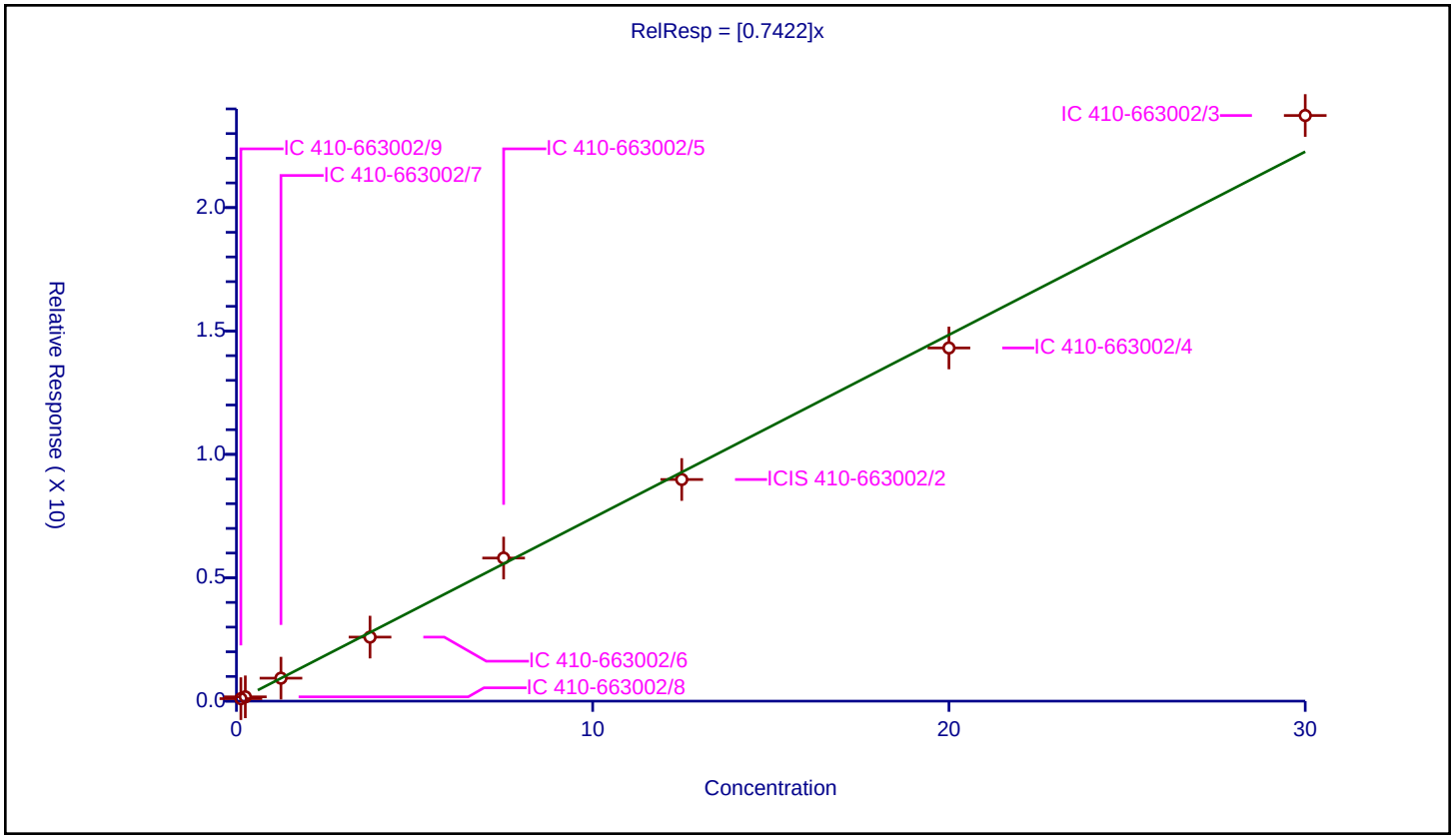
Curve Coefficients

Intercept:	0
Slope:	0.7422

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.100627	5.0	328987.0	0.805017	Y
2	IC 410-663002/8	0.25	0.174261	5.0	347467.0	0.697045	Y
3	IC 410-663002/7	1.25	0.931329	5.0	340712.0	0.745063	Y
4	IC 410-663002/6	3.75	2.594723	5.0	385280.0	0.691926	Y
5	IC 410-663002/5	7.5	5.798743	5.0	332178.0	0.773166	Y
6	ICIS 410-663002/2	12.5	8.981115	5.0	372785.0	0.718489	Y
7	IC 410-663002/4	20.0	14.31186	5.0	463888.0	0.715593	Y
8	IC 410-663002/3	30.0	23.732799	5.0	356297.0	0.791093	Y



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Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

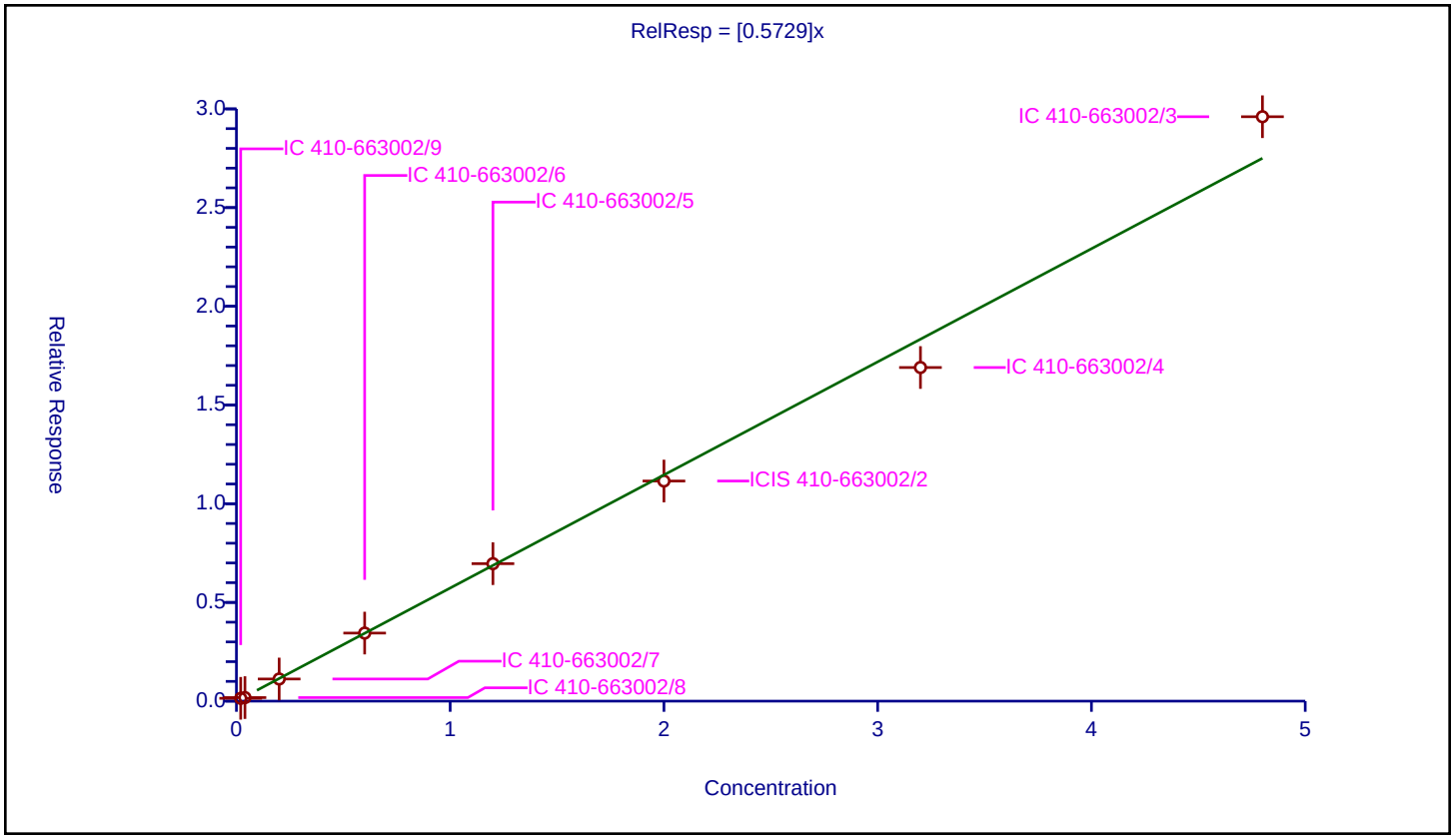
Curve Coefficients

Intercept:	0
Slope:	0.5729

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.02	0.014301	5.0	328987.0	0.715074	Y
2	IC 410-663002/8	0.04	0.018002	5.0	347467.0	0.450043	Y
3	IC 410-663002/7	0.2	0.112192	5.0	340712.0	0.560958	Y
4	IC 410-663002/6	0.6	0.344749	5.0	385280.0	0.574582	Y
5	IC 410-663002/5	1.2	0.696419	5.0	332178.0	0.580349	Y
6	ICIS 410-663002/2	2.0	1.114986	5.0	372785.0	0.557493	Y
7	IC 410-663002/4	3.2	1.69002	5.0	463888.0	0.528131	Y
8	IC 410-663002/3	4.8	2.960339	5.0	356297.0	0.616737	Y



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Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

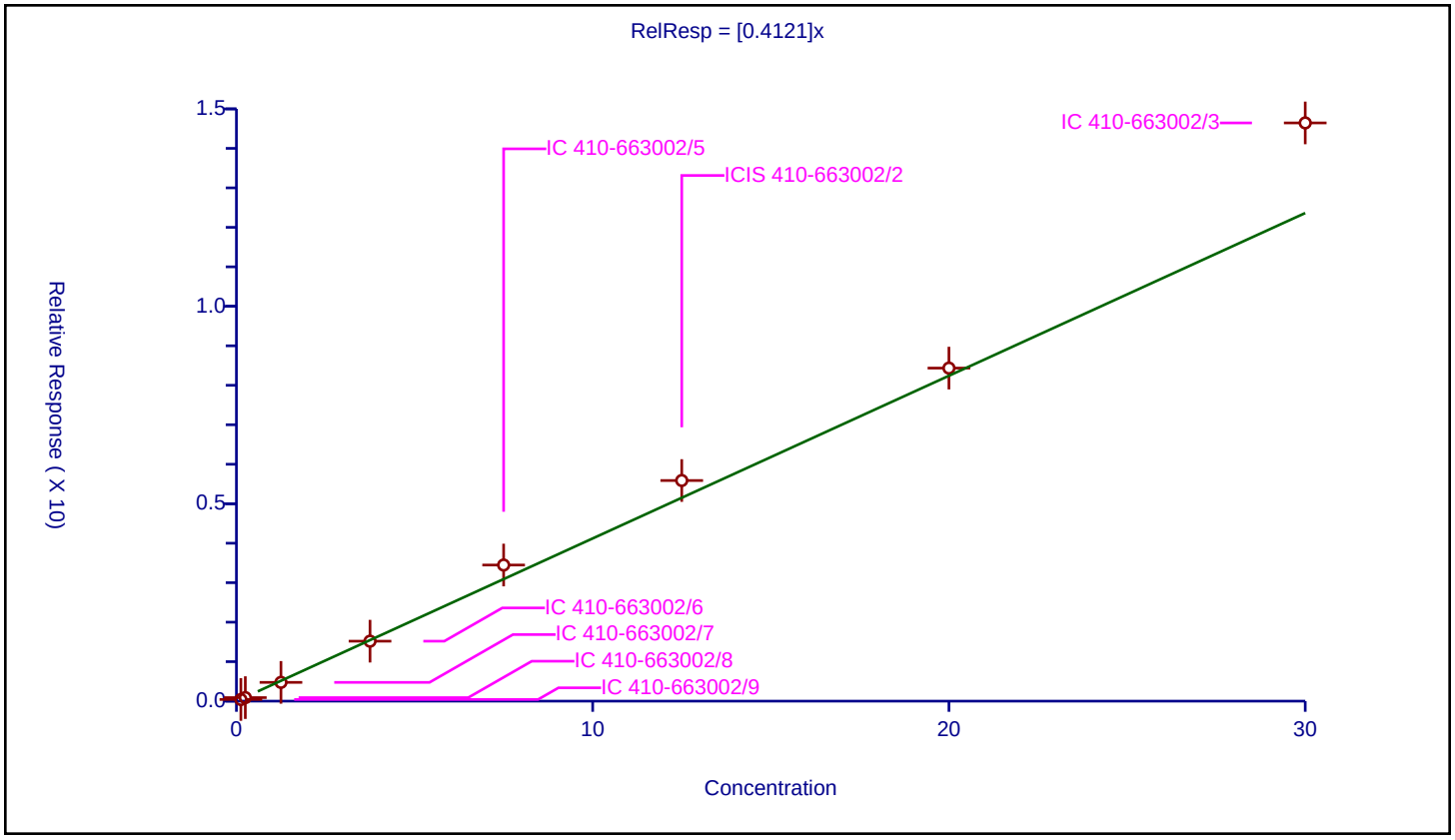
Curve Coefficients

Intercept:	0
Slope:	0.4121

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.042038	5.0	328987.0	0.336305	Y
2	IC 410-663002/8	0.25	0.089606	5.0	347467.0	0.358423	Y
3	IC 410-663002/7	1.25	0.475167	5.0	340712.0	0.380133	Y
4	IC 410-663002/6	3.75	1.51909	5.0	385280.0	0.405091	Y
5	IC 410-663002/5	7.5	3.447369	5.0	332178.0	0.459649	Y
6	ICIS 410-663002/2	12.5	5.587819	5.0	372785.0	0.447025	Y
7	IC 410-663002/4	20.0	8.434838	5.0	463888.0	0.421742	Y
8	IC 410-663002/3	30.0	14.644173	5.0	356297.0	0.488139	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

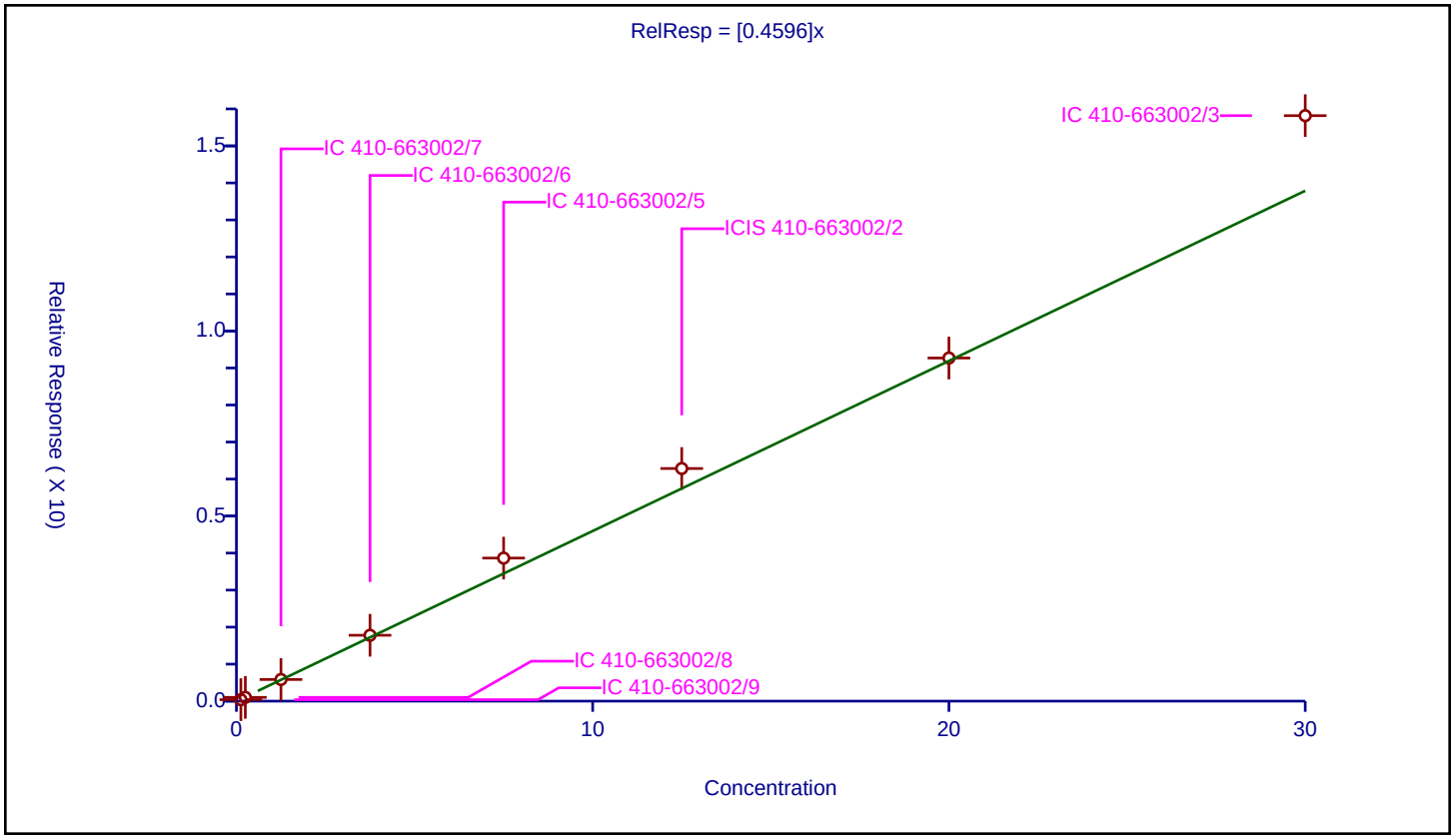
Curve Coefficients

Intercept:	0
Slope:	0.4596

Error Coefficients

Relative Standard Deviation:	14.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.039743	5.0	328987.0	0.317946	Y
2	IC 410-663002/8	0.25	0.101952	5.0	347467.0	0.407809	Y
3	IC 410-663002/7	1.25	0.584394	5.0	340712.0	0.467515	Y
4	IC 410-663002/6	3.75	1.779615	5.0	385280.0	0.474564	Y
5	IC 410-663002/5	7.5	3.86463	5.0	332178.0	0.515284	Y
6	ICIS 410-663002/2	12.5	6.285097	5.0	372785.0	0.502808	Y
7	IC 410-663002/4	20.0	9.269651	5.0	463888.0	0.463483	Y
8	IC 410-663002/3	30.0	15.817141	5.0	356297.0	0.527238	Y



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Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

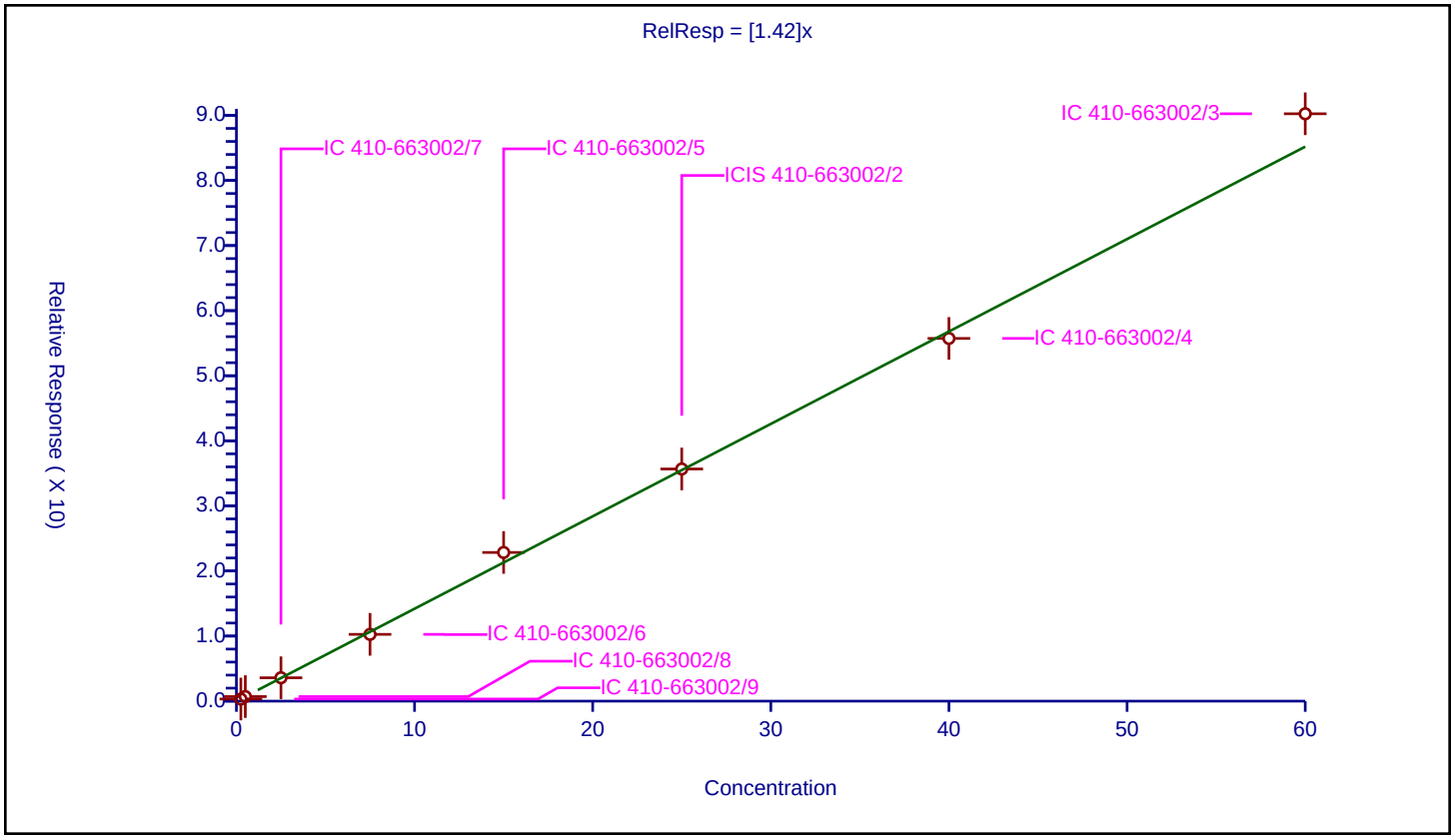
Curve Coefficients

Intercept:	0
Slope:	1.42

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.326335	5.0	328987.0	1.30534	Y
2	IC 410-663002/8	0.5	0.700728	5.0	347467.0	1.401457	Y
3	IC 410-663002/7	2.5	3.591846	5.0	340712.0	1.436738	Y
4	IC 410-663002/6	7.5	10.260758	5.0	385280.0	1.368101	Y
5	IC 410-663002/5	15.0	22.845086	5.0	332178.0	1.523006	Y
6	ICIS 410-663002/2	25.0	35.672318	5.0	372785.0	1.426893	Y
7	IC 410-663002/4	40.0	55.732795	5.0	463888.0	1.39332	Y
8	IC 410-663002/3	60.0	90.250423	5.0	356297.0	1.504174	Y



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Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

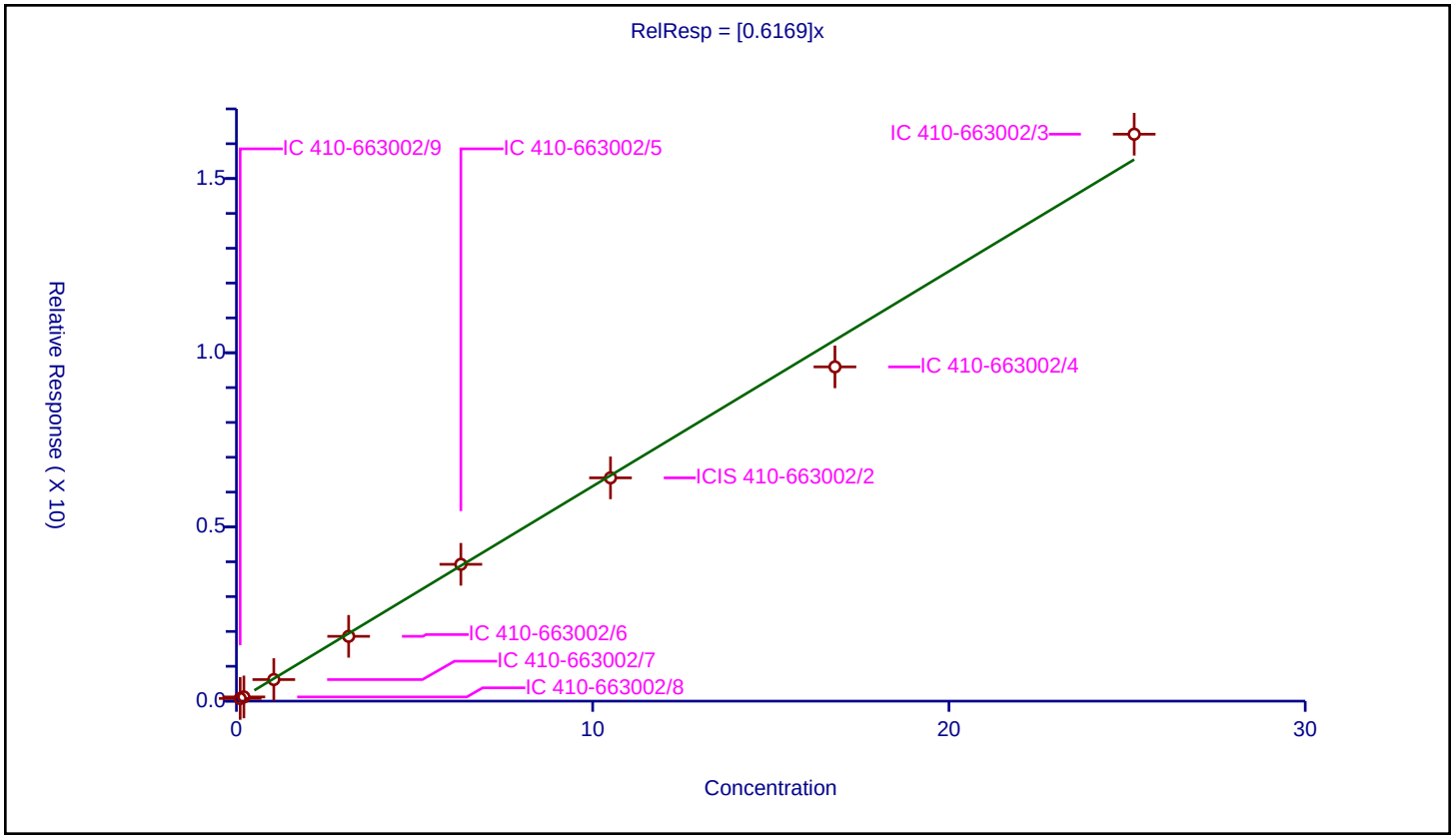
Curve Coefficients

Intercept:	0
Slope:	0.6169

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.105	0.076644	5.0	328987.0	0.729946	Y
2	IC 410-663002/8	0.21	0.120587	5.0	347467.0	0.574224	Y
3	IC 410-663002/7	1.05	0.619189	5.0	340712.0	0.589703	Y
4	IC 410-663002/6	3.15	1.860504	5.0	385280.0	0.590636	Y
5	IC 410-663002/5	6.3	3.927563	5.0	332178.0	0.623423	Y
6	ICIS 410-663002/2	10.5	6.409351	5.0	372785.0	0.610414	Y
7	IC 410-663002/4	16.8	9.59459	5.0	463888.0	0.571107	Y
8	IC 410-663002/3	25.2	16.273853	5.0	356297.0	0.645788	Y



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Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

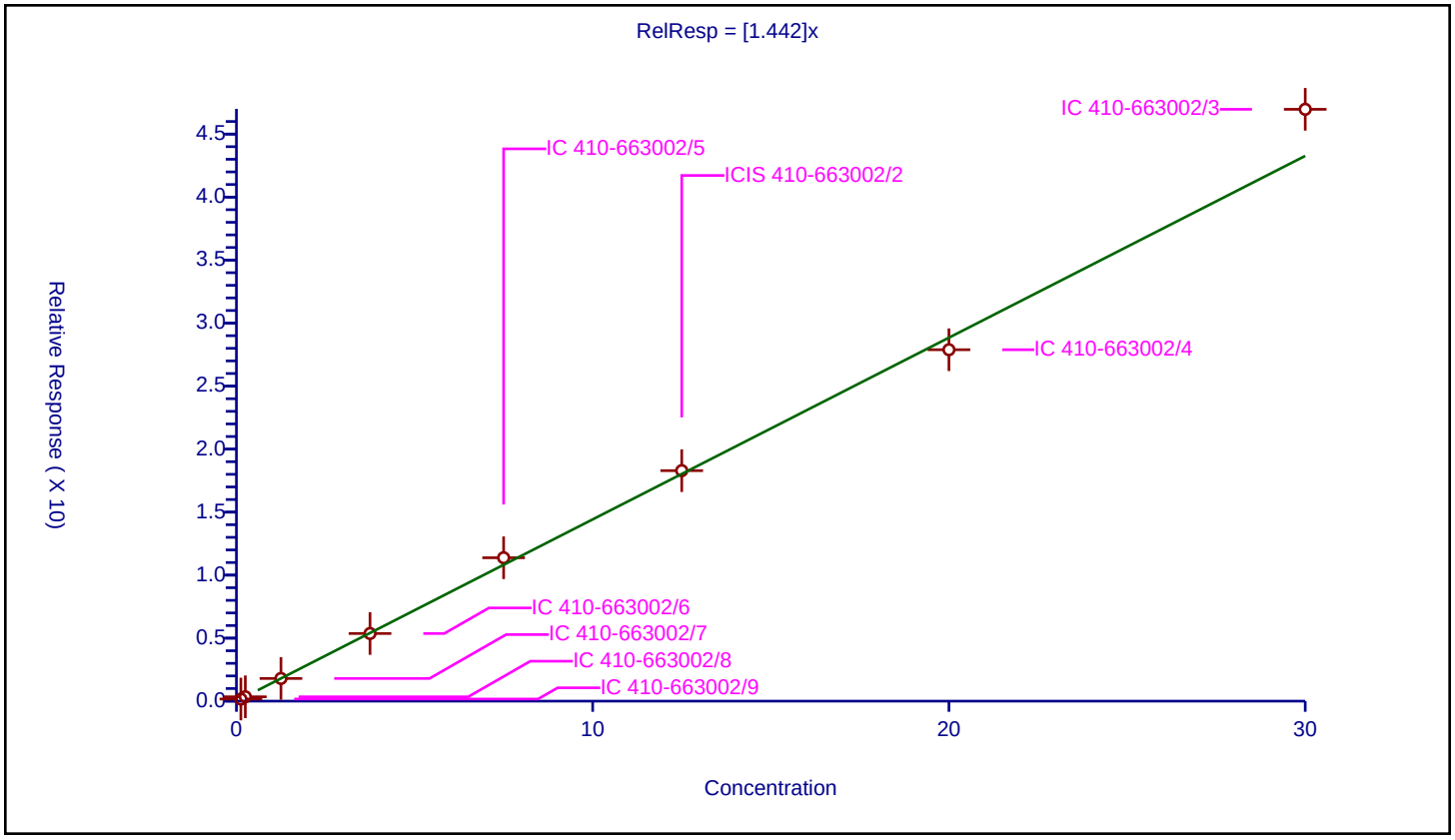
Curve Coefficients

Intercept:	0
Slope:	1.442

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.167788	5.0	328987.0	1.342302	Y
2	IC 410-663002/8	0.25	0.346018	5.0	347467.0	1.384074	Y
3	IC 410-663002/7	1.25	1.799819	5.0	340712.0	1.439855	Y
4	IC 410-663002/6	3.75	5.367655	5.0	385280.0	1.431375	Y
5	IC 410-663002/5	7.5	11.379065	5.0	332178.0	1.517209	Y
6	ICIS 410-663002/2	12.5	18.293051	5.0	372785.0	1.463444	Y
7	IC 410-663002/4	20.0	27.887529	5.0	463888.0	1.394376	Y
8	IC 410-663002/3	30.0	46.966337	5.0	356297.0	1.565545	Y



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Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

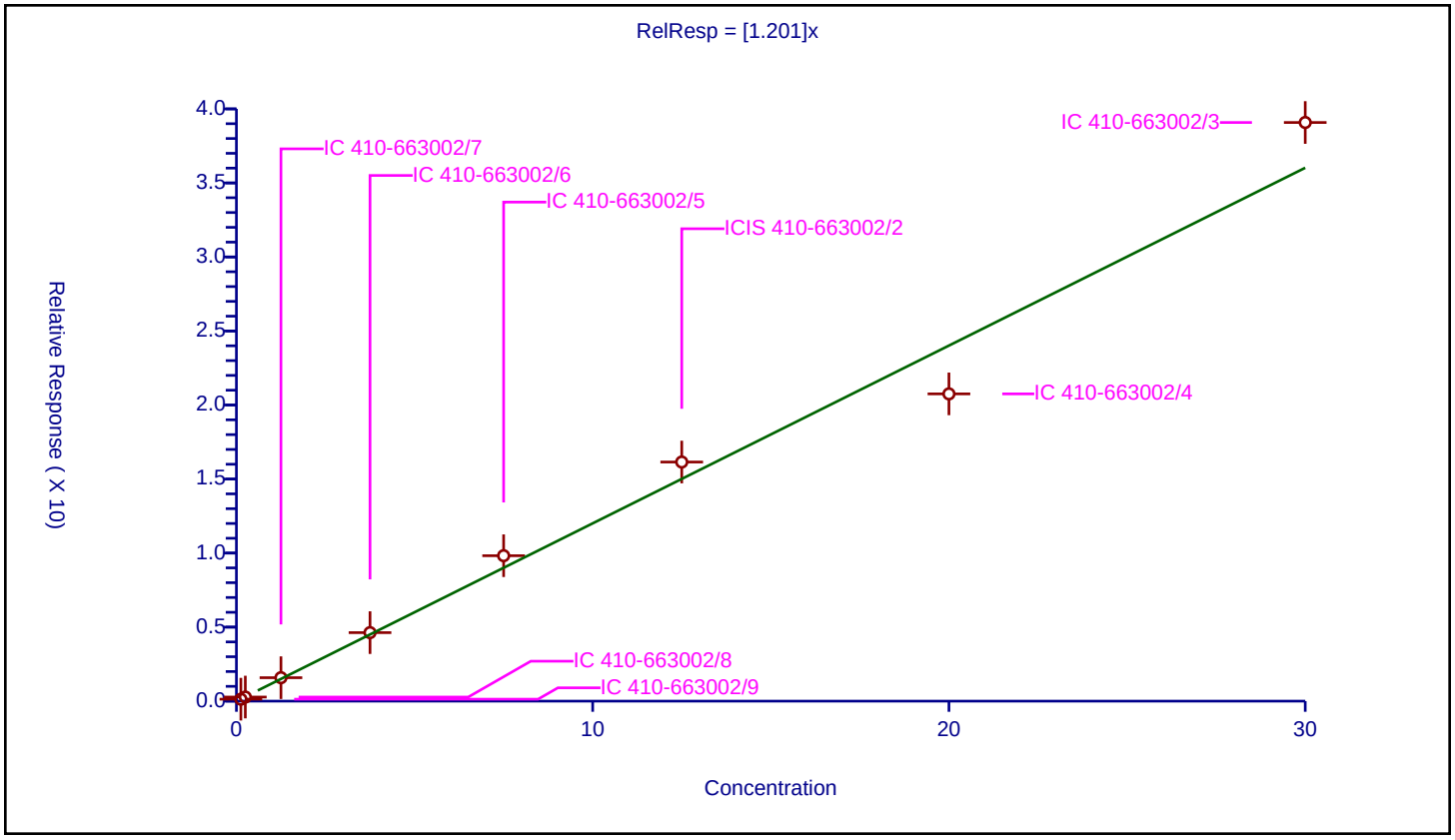
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.132528	5.0	328987.0	1.060224	Y
2	IC 410-663002/8	0.25	0.275753	5.0	347467.0	1.103011	Y
3	IC 410-663002/7	1.25	1.583009	5.0	340712.0	1.266407	Y
4	IC 410-663002/6	3.75	4.626856	5.0	385280.0	1.233828	Y
5	IC 410-663002/5	7.5	9.822941	5.0	332178.0	1.309726	Y
6	ICIS 410-663002/2	12.5	16.149362	5.0	372785.0	1.291949	Y
7	IC 410-663002/4	20.0	20.752531	5.0	463888.0	1.037627	Y
8	IC 410-663002/3	30.0	39.080991	5.0	356297.0	1.3027	Y



Calibration / 1-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

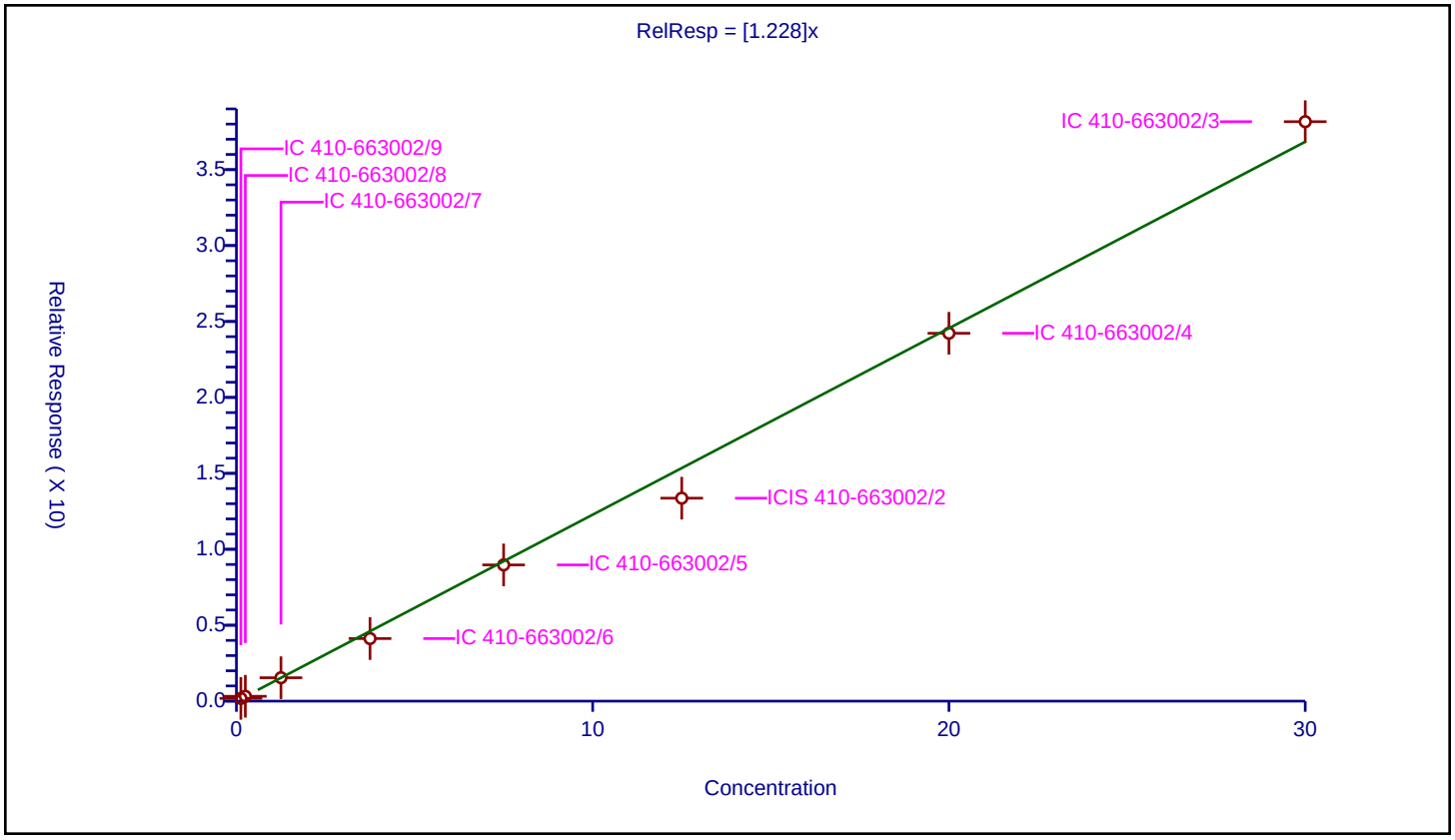
Curve Coefficients

Intercept:	0
Slope:	1.228

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.182272	5.0	328987.0	1.458173	Y
2	IC 410-663002/8	0.25	0.320692	5.0	347467.0	1.282769	Y
3	IC 410-663002/7	1.25	1.541581	5.0	340712.0	1.233264	Y
4	IC 410-663002/6	3.75	4.121288	5.0	385280.0	1.09901	Y
5	IC 410-663002/5	7.5	8.970296	5.0	332178.0	1.196039	Y
6	ICIS 410-663002/2	12.5	13.365613	5.0	372785.0	1.069249	Y
7	IC 410-663002/4	20.0	24.226009	5.0	463888.0	1.2113	Y
8	IC 410-663002/3	30.0	38.158952	5.0	356297.0	1.271965	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

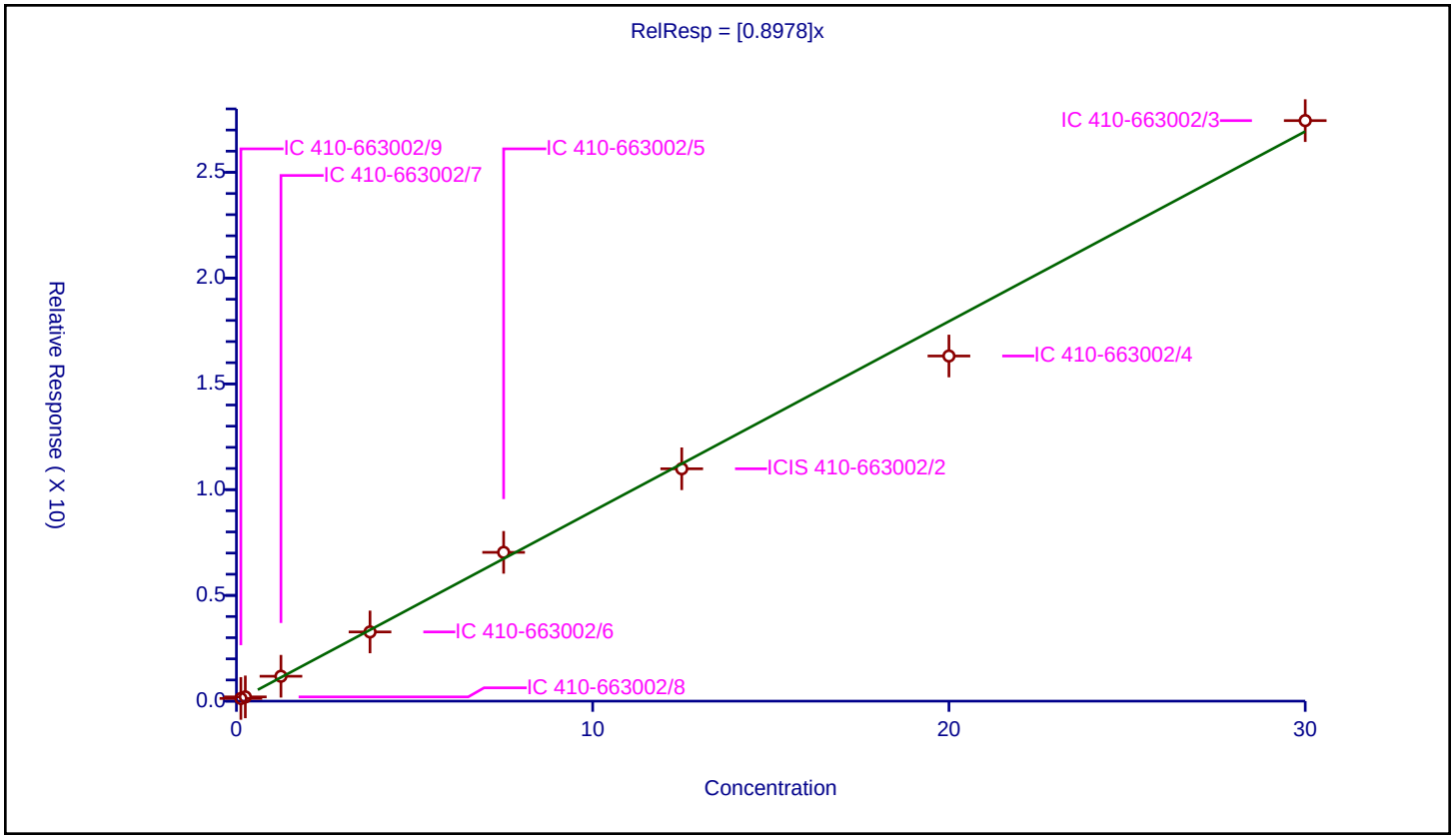
Curve Coefficients

Intercept:	0
Slope:	0.8978

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.127254	5.0	328987.0	1.018034	Y
2	IC 410-663002/8	0.25	0.200767	5.0	347467.0	0.803069	Y
3	IC 410-663002/7	1.25	1.176155	5.0	340712.0	0.940924	Y
4	IC 410-663002/6	3.75	3.272321	5.0	385280.0	0.872619	Y
5	IC 410-663002/5	7.5	7.034737	5.0	332178.0	0.937965	Y
6	ICIS 410-663002/2	12.5	10.985582	5.0	372785.0	0.878847	Y
7	IC 410-663002/4	20.0	16.317656	5.0	463888.0	0.815883	Y
8	IC 410-663002/3	30.0	27.446456	5.0	356297.0	0.914882	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

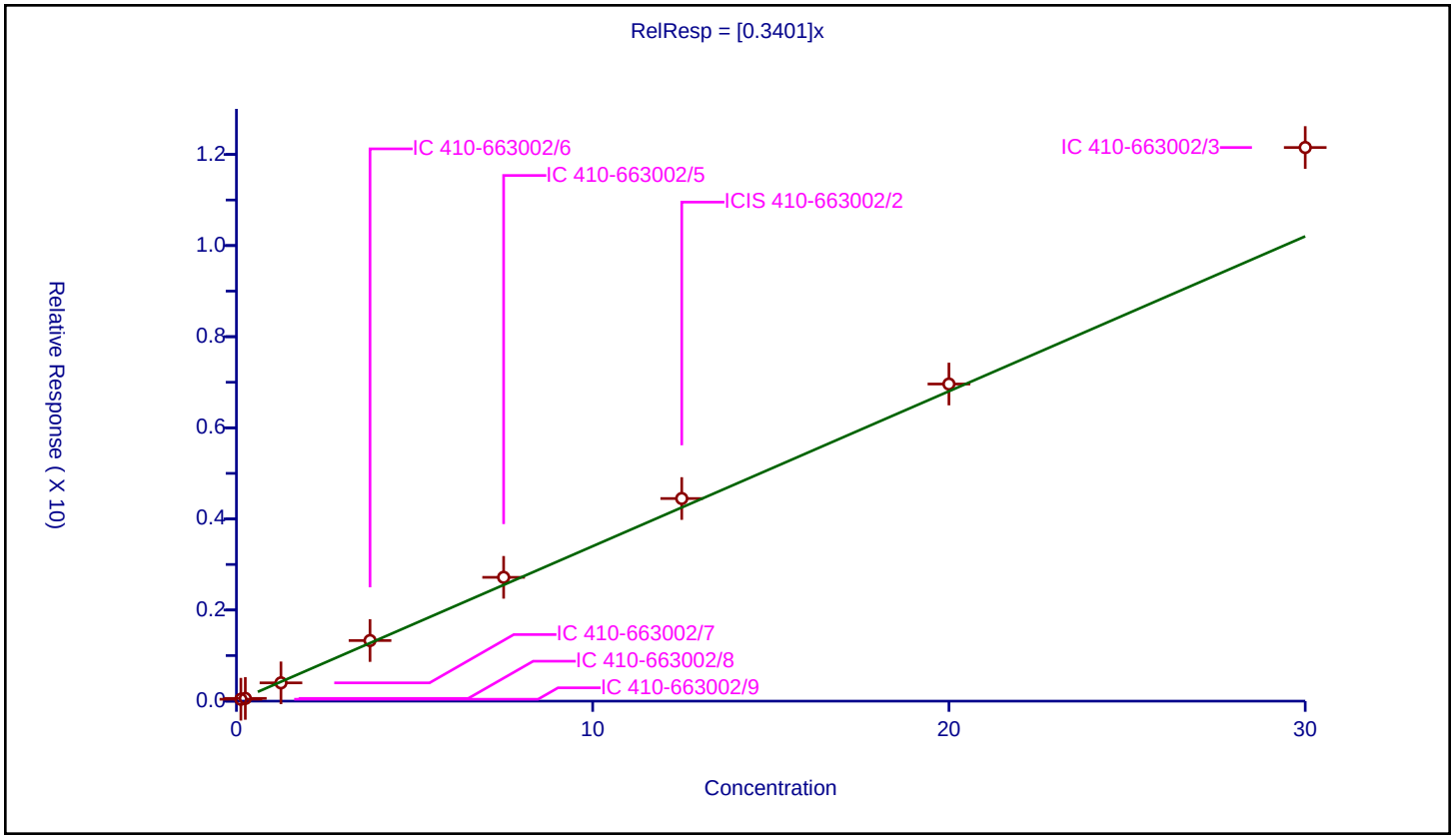
Curve Coefficients

Intercept:	0
Slope:	0.3401

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.041734	5.0	328987.0	0.333873	Y
2	IC 410-663002/8	0.25	0.059919	5.0	347467.0	0.239677	Y
3	IC 410-663002/7	1.25	0.401351	5.0	340712.0	0.321081	Y
4	IC 410-663002/6	3.75	1.3305	5.0	385280.0	0.3548	Y
5	IC 410-663002/5	7.5	2.717895	5.0	332178.0	0.362386	Y
6	ICIS 410-663002/2	12.5	4.447403	5.0	372785.0	0.355792	Y
7	IC 410-663002/4	20.0	6.961034	5.0	463888.0	0.348052	Y
8	IC 410-663002/3	30.0	12.152362	5.0	356297.0	0.405079	Y



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Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

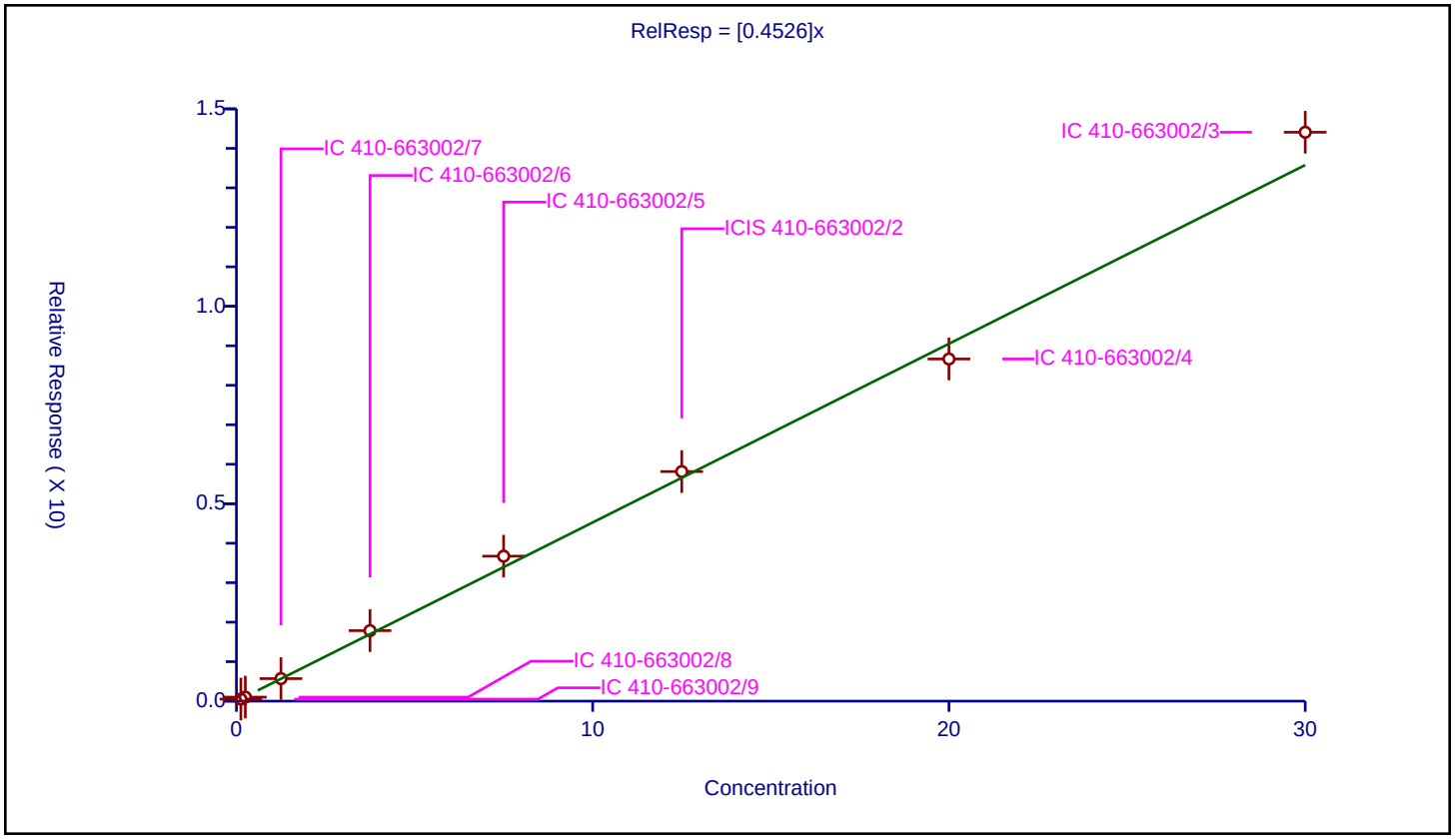
Curve Coefficients

Intercept:	0
Slope:	0.4526

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.051567	5.0	328987.0	0.412539	Y
2	IC 410-663002/8	0.25	0.101808	5.0	347467.0	0.407233	Y
3	IC 410-663002/7	1.25	0.570291	5.0	340712.0	0.456233	Y
4	IC 410-663002/6	3.75	1.785909	5.0	385280.0	0.476242	Y
5	IC 410-663002/5	7.5	3.671766	5.0	332178.0	0.489569	Y
6	ICIS 410-663002/2	12.5	5.814504	5.0	372785.0	0.46516	Y
7	IC 410-663002/4	20.0	8.665562	5.0	463888.0	0.433278	Y
8	IC 410-663002/3	30.0	14.408597	5.0	356297.0	0.480287	Y



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Calibration / 1,4-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

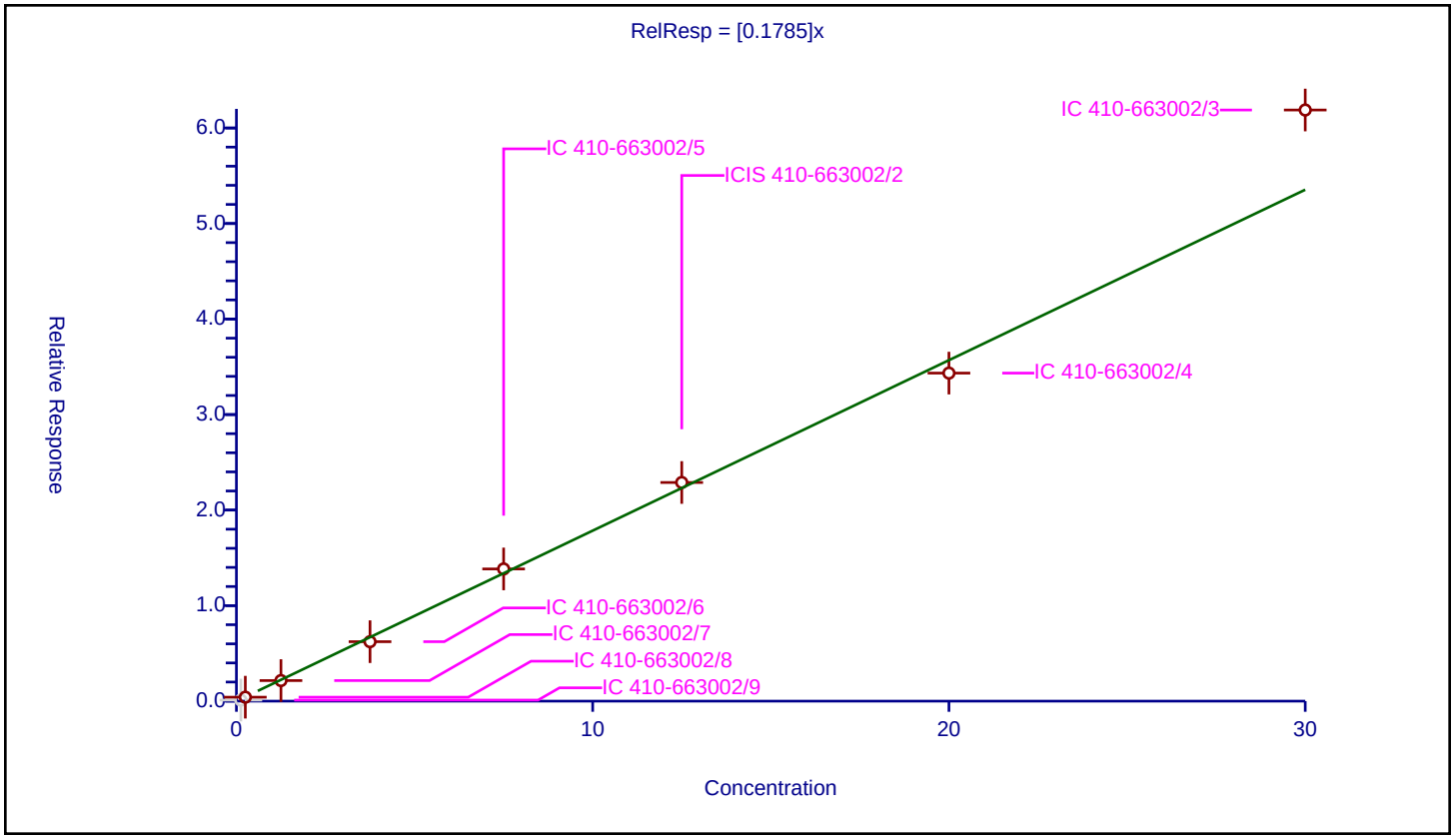
Curve Coefficients

Intercept:	0
Slope:	0.1785

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.011125	5.0	328987.0	0.089	N
2	IC 410-663002/8	0.25	0.041313	5.0	347467.0	0.165253	Y
3	IC 410-663002/7	1.25	0.215446	5.0	340712.0	0.172357	Y
4	IC 410-663002/6	3.75	0.622443	5.0	385280.0	0.165985	Y
5	IC 410-663002/5	7.5	1.383912	5.0	332178.0	0.184522	Y
6	ICIS 410-663002/2	12.5	2.289094	5.0	372785.0	0.183128	Y
7	IC 410-663002/4	20.0	3.434105	5.0	463888.0	0.171705	Y
8	IC 410-663002/3	30.0	6.188222	5.0	356297.0	0.206274	Y



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Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

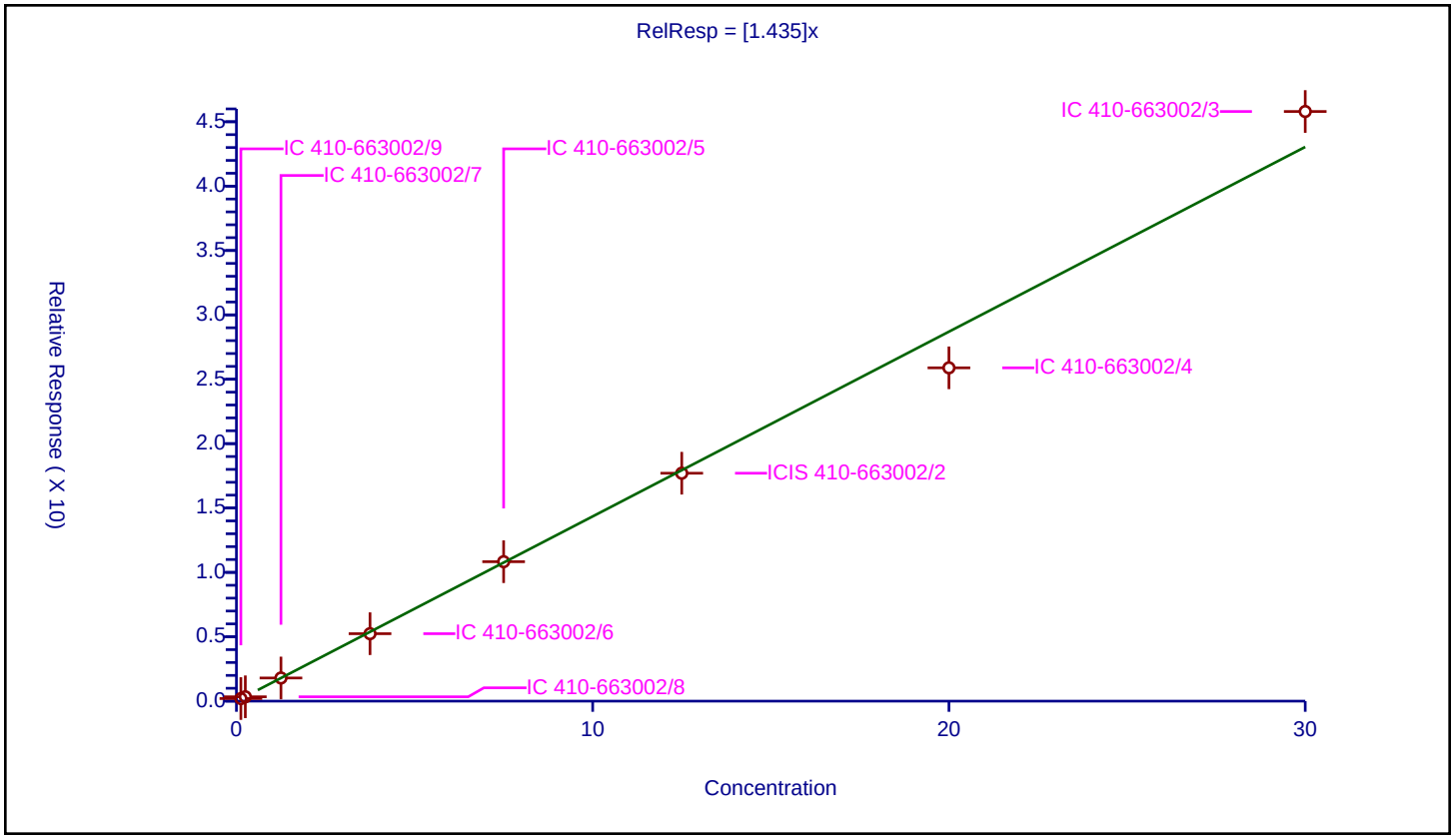
Curve Coefficients

Intercept:	0
Slope:	1.435

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.201239	5.0	328987.0	1.609912	Y
2	IC 410-663002/8	0.25	0.338046	5.0	347467.0	1.352186	Y
3	IC 410-663002/7	1.25	1.797911	5.0	340712.0	1.438329	Y
4	IC 410-663002/6	3.75	5.238826	5.0	385280.0	1.39702	Y
5	IC 410-663002/5	7.5	10.830383	5.0	332178.0	1.444051	Y
6	ICIS 410-663002/2	12.5	17.701879	5.0	372785.0	1.41615	Y
7	IC 410-663002/4	20.0	25.887369	5.0	463888.0	1.294368	Y
8	IC 410-663002/3	30.0	45.797158	5.0	356297.0	1.526572	Y



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Calibration / 1,3-Dinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

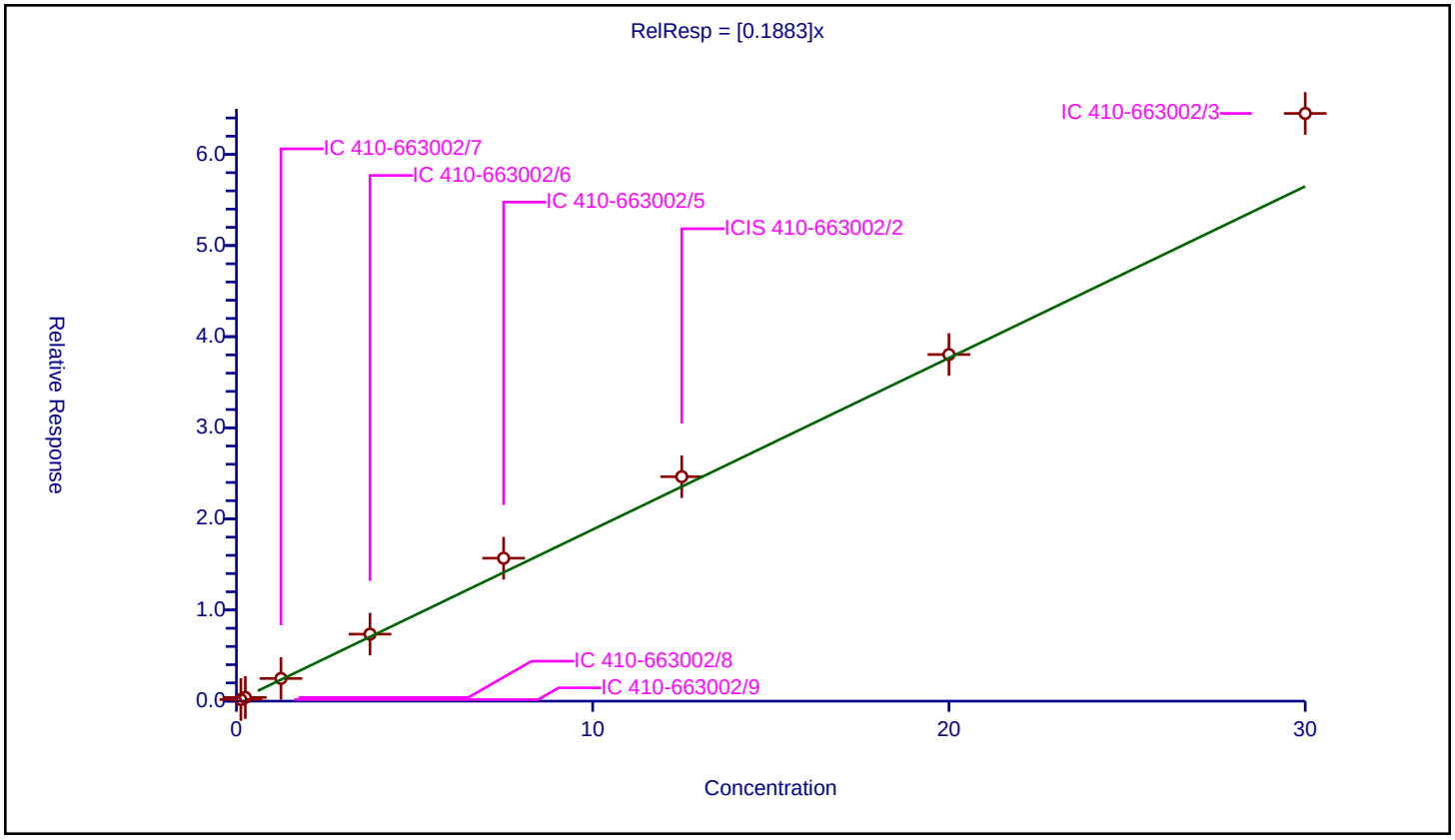
Curve Coefficients

Intercept:	0
Slope:	0.1883

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.01728	5.0	328987.0	0.138243	Y
2	IC 410-663002/8	0.25	0.040421	5.0	347467.0	0.161684	Y
3	IC 410-663002/7	1.25	0.248876	5.0	340712.0	0.199101	Y
4	IC 410-663002/6	3.75	0.735413	5.0	385280.0	0.19611	Y
5	IC 410-663002/5	7.5	1.568722	5.0	332178.0	0.209163	Y
6	ICIS 410-663002/2	12.5	2.46339	5.0	372785.0	0.197071	Y
7	IC 410-663002/4	20.0	3.804173	5.0	463888.0	0.190209	Y
8	IC 410-663002/3	30.0	6.449914	5.0	356297.0	0.214997	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

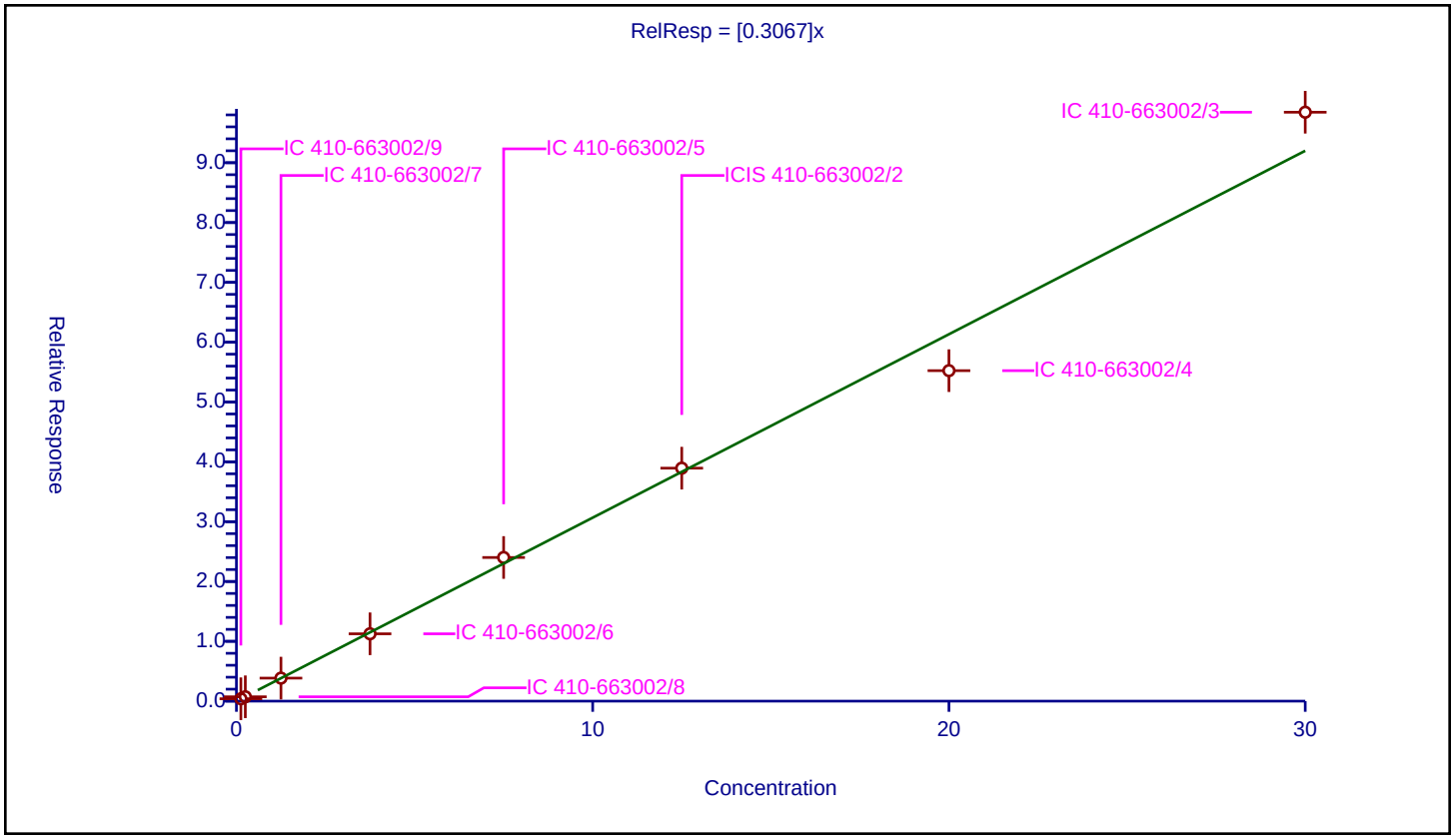
Curve Coefficients

Intercept:	0
Slope:	0.3067

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.039652	5.0	328987.0	0.317216	Y
2	IC 410-663002/8	0.25	0.072957	5.0	347467.0	0.291826	Y
3	IC 410-663002/7	1.25	0.384797	5.0	340712.0	0.307838	Y
4	IC 410-663002/6	3.75	1.125908	5.0	385280.0	0.300242	Y
5	IC 410-663002/5	7.5	2.401363	5.0	332178.0	0.320182	Y
6	ICIS 410-663002/2	12.5	3.894671	5.0	372785.0	0.311574	Y
7	IC 410-663002/4	20.0	5.524469	5.0	463888.0	0.276223	Y
8	IC 410-663002/3	30.0	9.844259	5.0	356297.0	0.328142	Y



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Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

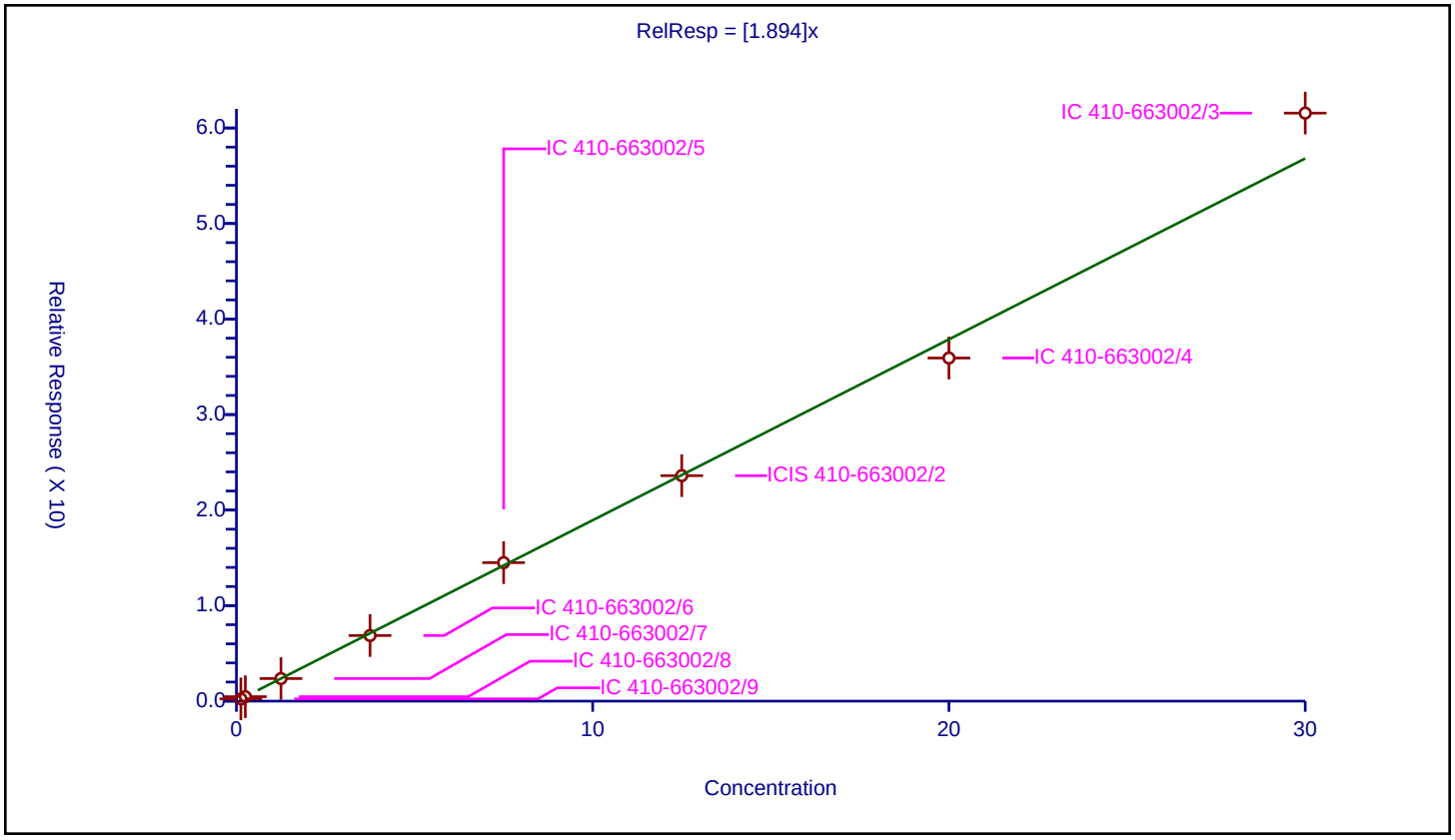
Curve Coefficients

Intercept:	0
Slope:	1.894

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.236347	5.0	328987.0	1.890774	Y
2	IC 410-663002/8	0.25	0.467095	5.0	347467.0	1.868379	Y
3	IC 410-663002/7	1.25	2.36176	5.0	340712.0	1.889408	Y
4	IC 410-663002/6	3.75	6.869459	5.0	385280.0	1.831856	Y
5	IC 410-663002/5	7.5	14.498447	5.0	332178.0	1.933126	Y
6	ICIS 410-663002/2	12.5	23.604423	5.0	372785.0	1.888354	Y
7	IC 410-663002/4	20.0	35.919834	5.0	463888.0	1.795992	Y
8	IC 410-663002/3	30.0	61.558222	5.0	356297.0	2.051941	Y



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Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

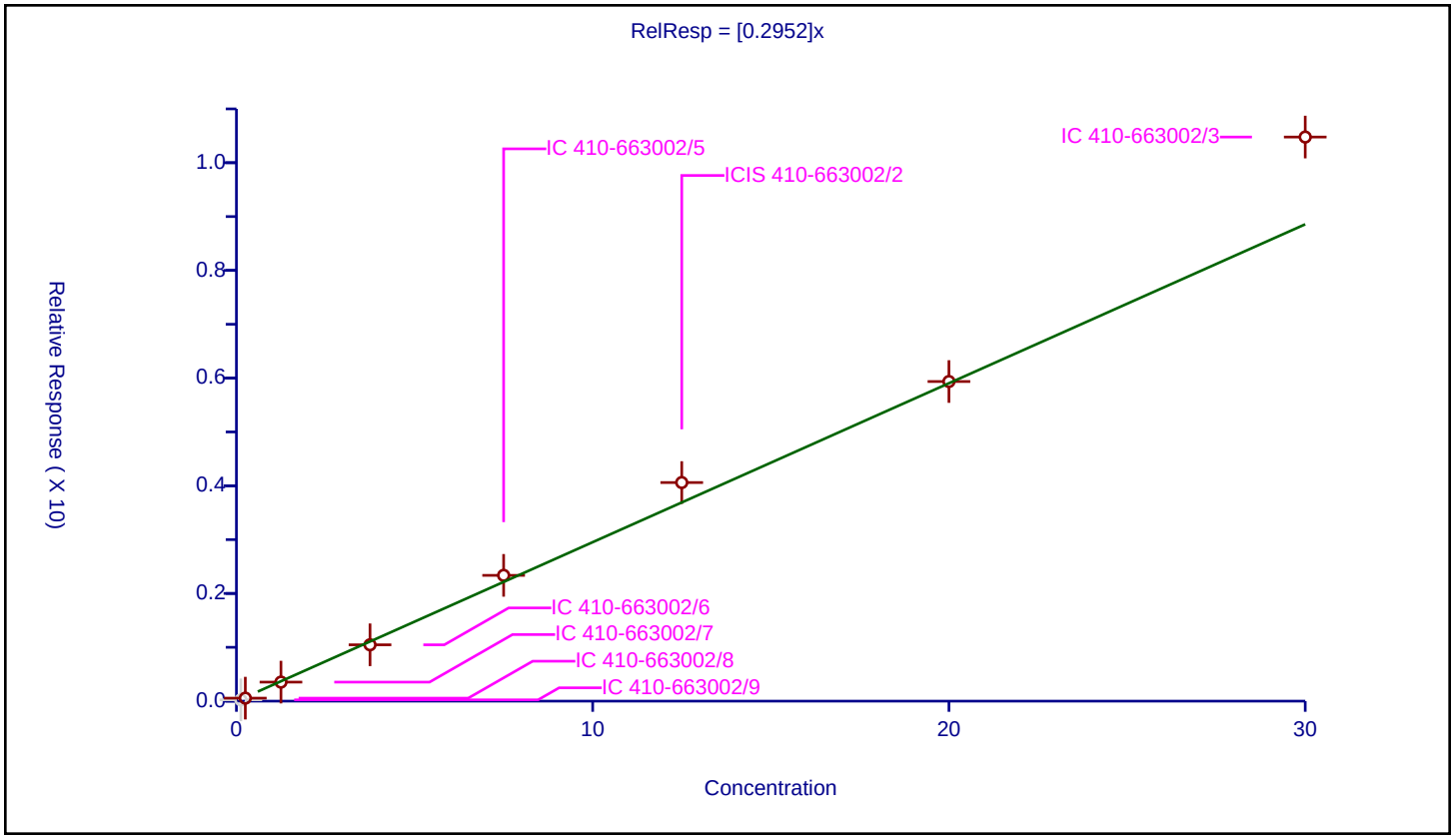
Curve Coefficients

Intercept:	0
Slope:	0.2952

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.0238	5.0	328987.0	0.190403	N
2	IC 410-663002/8	0.25	0.055559	5.0	347467.0	0.222237	Y
3	IC 410-663002/7	1.25	0.353583	5.0	340712.0	0.282866	Y
4	IC 410-663002/6	3.75	1.046577	5.0	385280.0	0.279087	Y
5	IC 410-663002/5	7.5	2.336202	5.0	332178.0	0.311494	Y
6	ICIS 410-663002/2	12.5	4.059994	5.0	372785.0	0.3248	Y
7	IC 410-663002/4	20.0	5.936627	5.0	463888.0	0.296831	Y
8	IC 410-663002/3	30.0	10.476891	5.0	356297.0	0.34923	Y



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Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

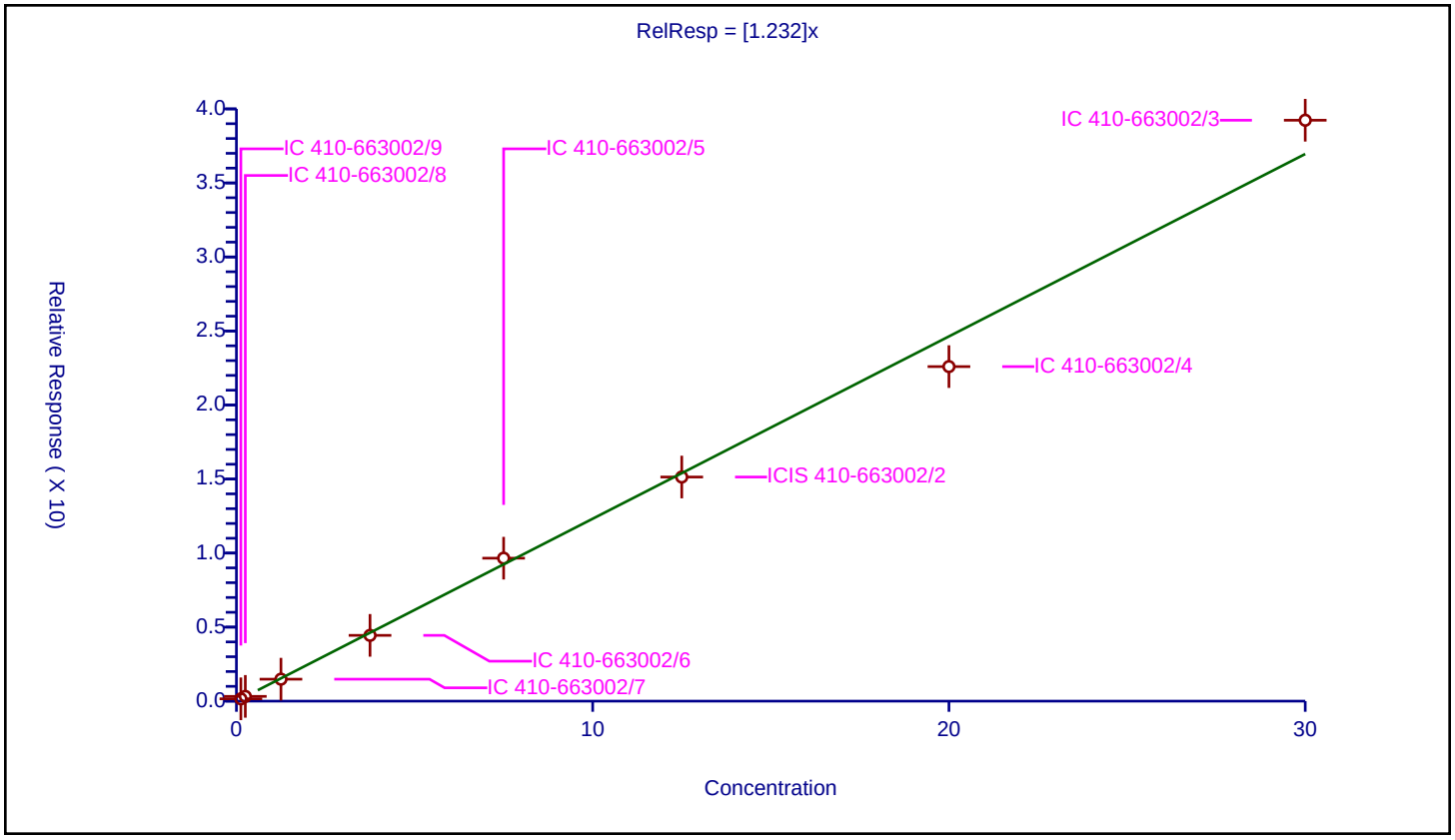
Curve Coefficients

Intercept:	0
Slope:	1.232

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.157651	5.0	328987.0	1.261205	Y
2	IC 410-663002/8	0.25	0.321599	5.0	347467.0	1.286396	Y
3	IC 410-663002/7	1.25	1.482293	5.0	340712.0	1.185834	Y
4	IC 410-663002/6	3.75	4.44225	5.0	385280.0	1.1846	Y
5	IC 410-663002/5	7.5	9.655832	5.0	332178.0	1.287444	Y
6	ICIS 410-663002/2	12.5	15.135762	5.0	372785.0	1.210861	Y
7	IC 410-663002/4	20.0	22.5947	5.0	463888.0	1.129735	Y
8	IC 410-663002/3	30.0	39.233168	5.0	356297.0	1.307772	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

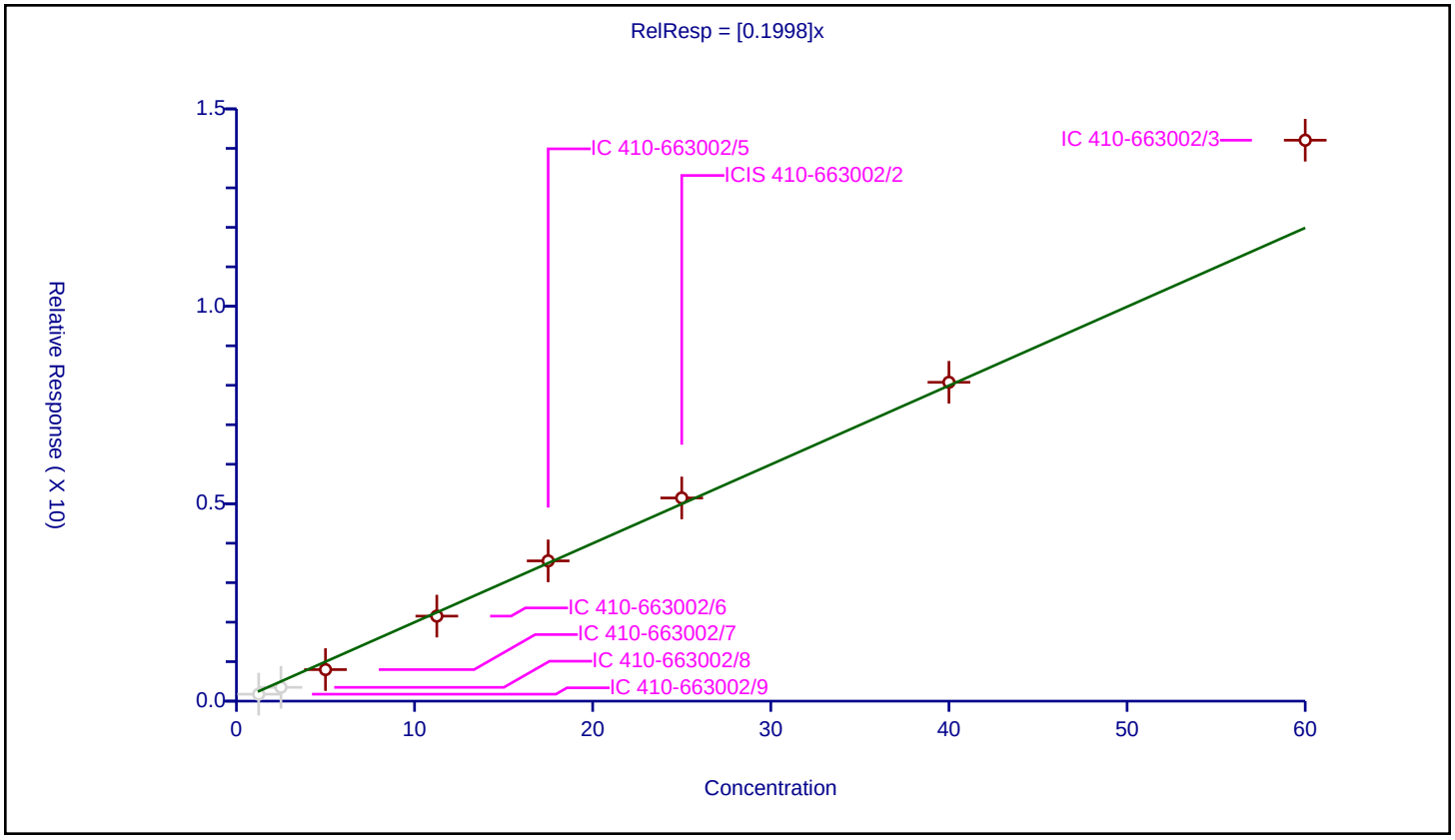
Curve Coefficients

Intercept:	0
Slope:	0.1998

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	1.25	0.176314	5.0	328987.0	0.141051	N
2	IC 410-663002/8	2.5	0.348911	5.0	347467.0	0.139564	N
3	IC 410-663002/7	5.0	0.798783	5.0	340712.0	0.159757	Y
4	IC 410-663002/6	11.25	2.153616	5.0	385280.0	0.191432	Y
5	IC 410-663002/5	17.5	3.552463	5.0	332178.0	0.202998	Y
6	ICIS 410-663002/2	25.0	5.145955	5.0	372785.0	0.205838	Y
7	IC 410-663002/4	40.0	8.075365	5.0	463888.0	0.201884	Y
8	IC 410-663002/3	60.0	14.206827	5.0	356297.0	0.23678	Y



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Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

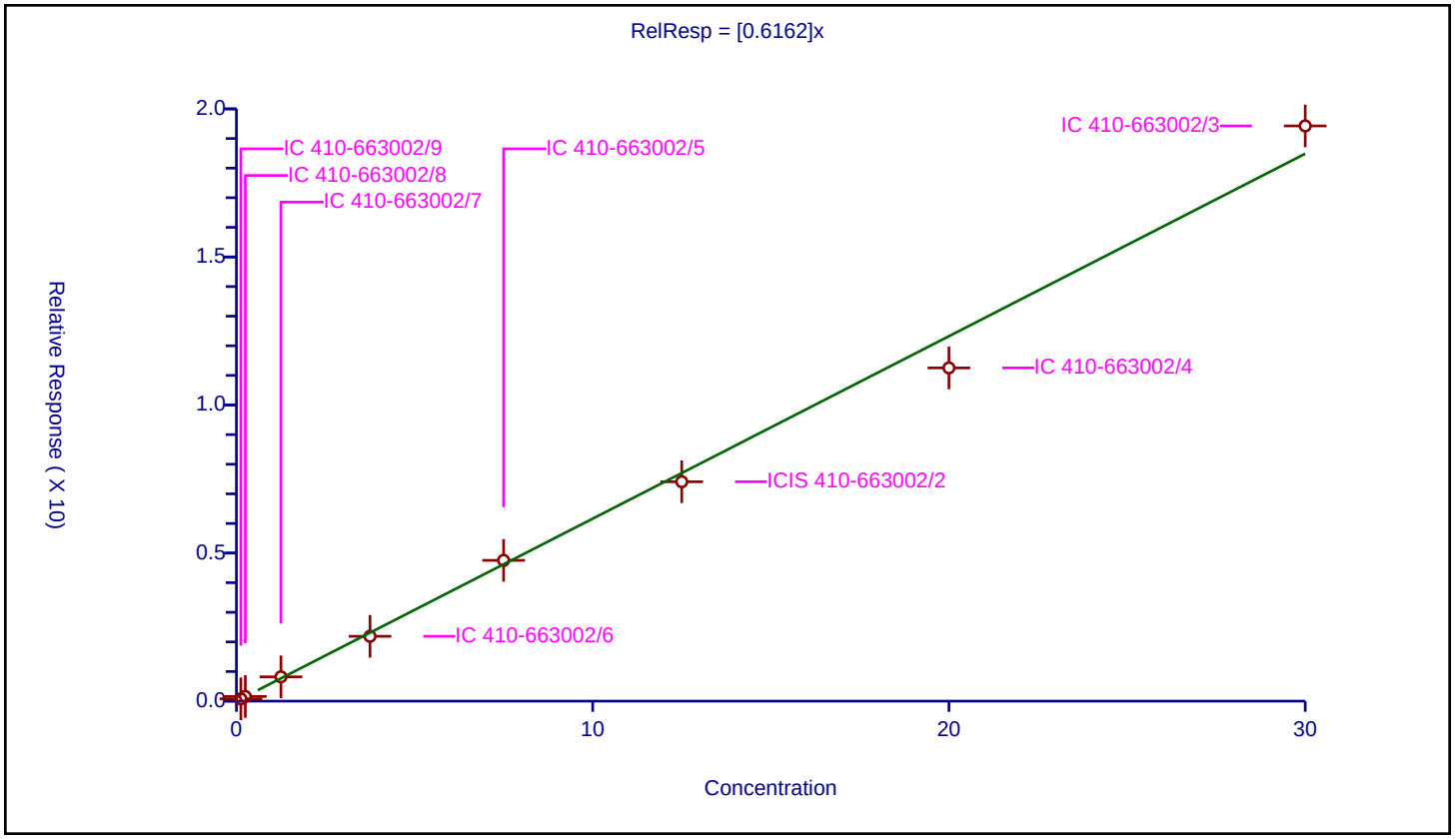
Curve Coefficients

Intercept:	0
Slope:	0.6162

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.077465	5.0	328987.0	0.619721	Y
2	IC 410-663002/8	0.25	0.158058	5.0	347467.0	0.632233	Y
3	IC 410-663002/7	1.25	0.821075	5.0	340712.0	0.65686	Y
4	IC 410-663002/6	3.75	2.189628	5.0	385280.0	0.583901	Y
5	IC 410-663002/5	7.5	4.754334	5.0	332178.0	0.633911	Y
6	ICIS 410-663002/2	12.5	7.409137	5.0	372785.0	0.592731	Y
7	IC 410-663002/4	20.0	11.253309	5.0	463888.0	0.562665	Y
8	IC 410-663002/3	30.0	19.424469	5.0	356297.0	0.647482	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

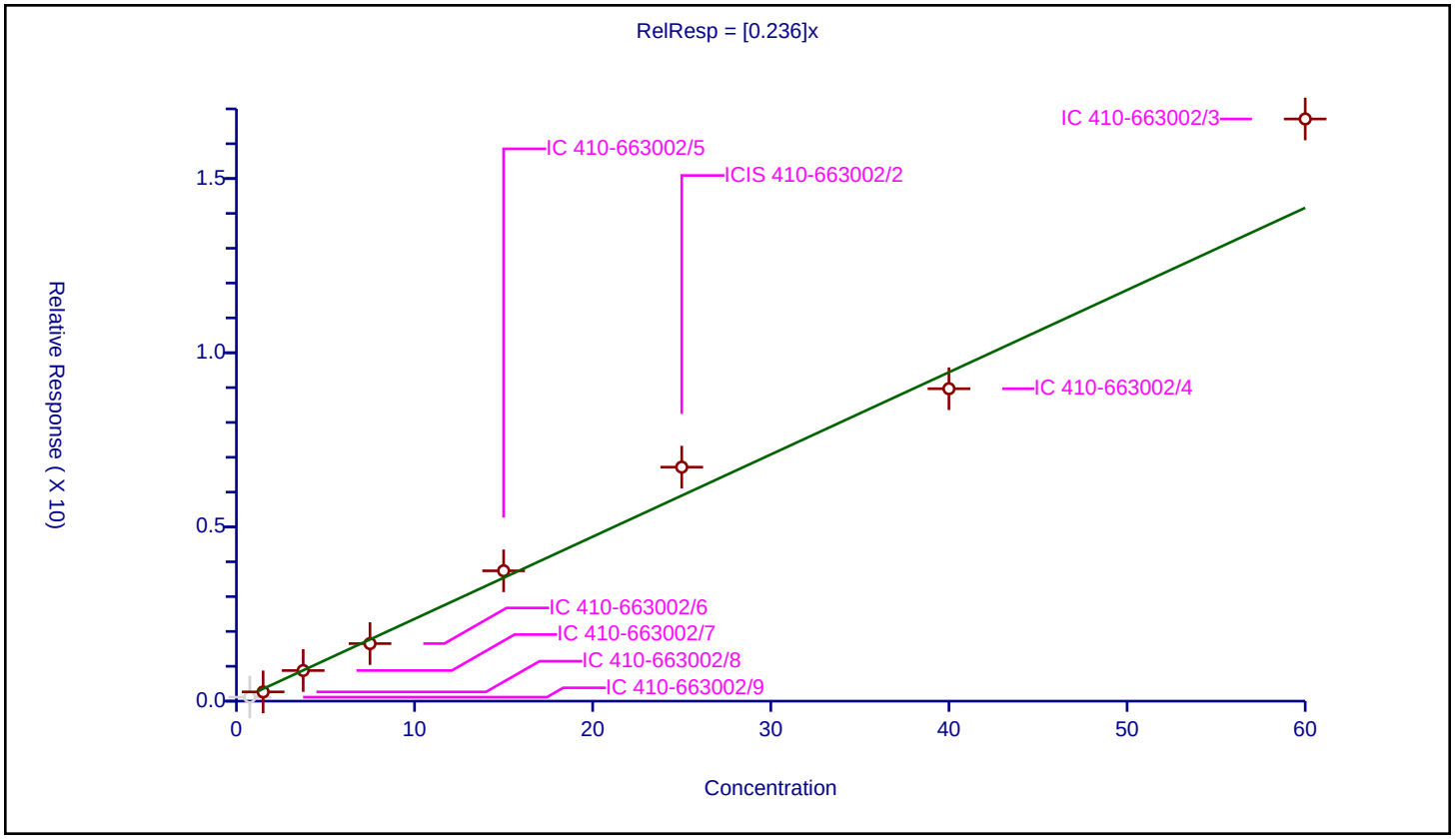
Curve Coefficients

Intercept:	0
Slope:	0.236

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.75	0.1154	5.0	328987.0	0.153866	N
2	IC 410-663002/8	1.5	0.265277	5.0	347467.0	0.176851	Y
3	IC 410-663002/7	3.75	0.878528	5.0	340712.0	0.234274	Y
4	IC 410-663002/6	7.5	1.651422	5.0	385280.0	0.22019	Y
5	IC 410-663002/5	15.0	3.741232	5.0	332178.0	0.249415	Y
6	ICIS 410-663002/2	25.0	6.716472	5.0	372785.0	0.268659	Y
7	IC 410-663002/4	40.0	8.968059	5.0	463888.0	0.224201	Y
8	IC 410-663002/3	60.0	16.709936	5.0	356297.0	0.278499	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

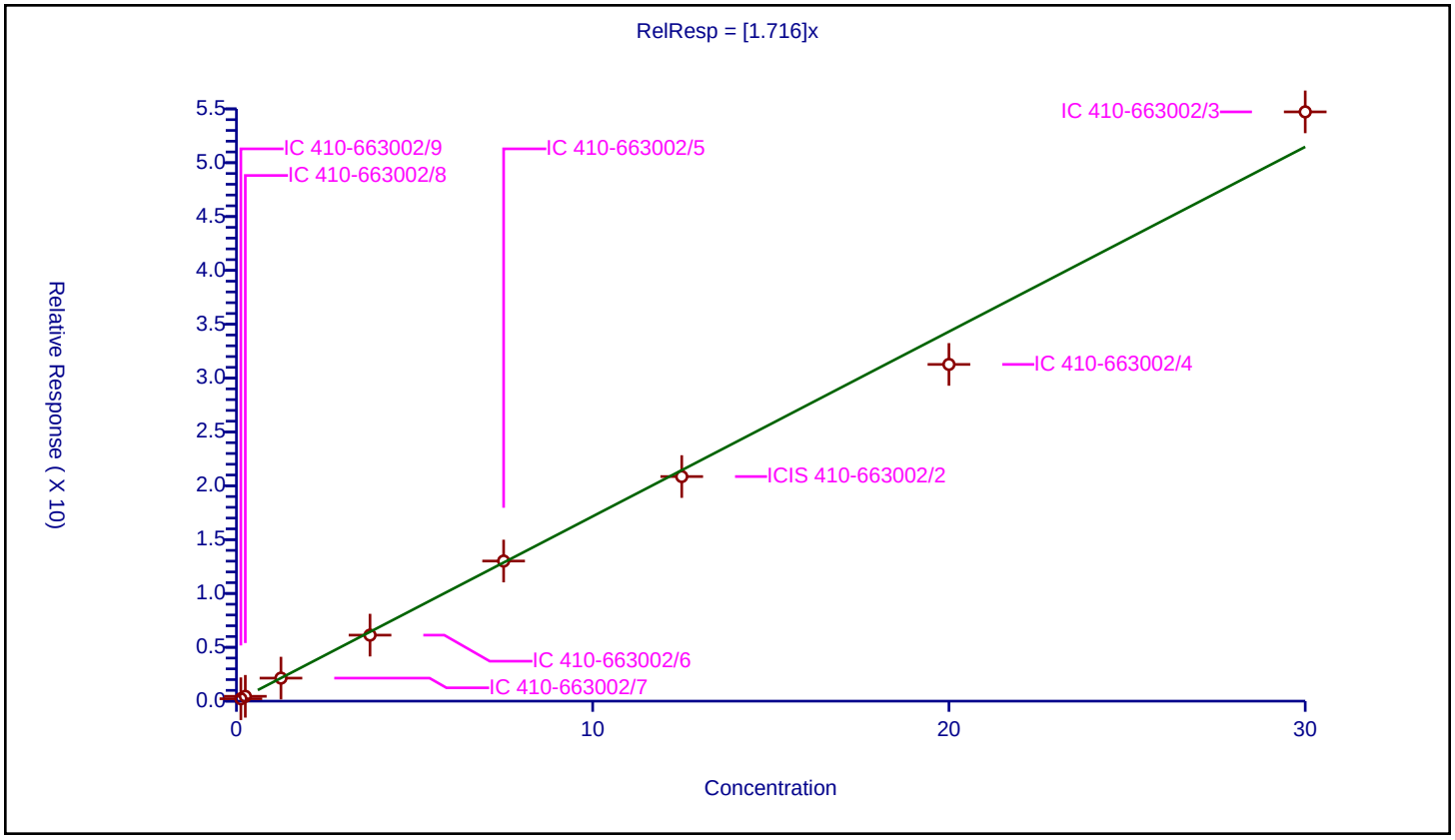
Curve Coefficients

Intercept:	0
Slope:	1.716

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.223778	5.0	328987.0	1.790223	Y
2	IC 410-663002/8	0.25	0.449913	5.0	347467.0	1.799653	Y
3	IC 410-663002/7	1.25	2.139182	5.0	340712.0	1.711346	Y
4	IC 410-663002/6	3.75	6.129698	5.0	385280.0	1.634586	Y
5	IC 410-663002/5	7.5	13.01209	5.0	332178.0	1.734945	Y
6	ICIS 410-663002/2	12.5	20.856231	5.0	372785.0	1.668498	Y
7	IC 410-663002/4	20.0	31.271212	5.0	463888.0	1.563561	Y
8	IC 410-663002/3	30.0	54.724177	5.0	356297.0	1.824139	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

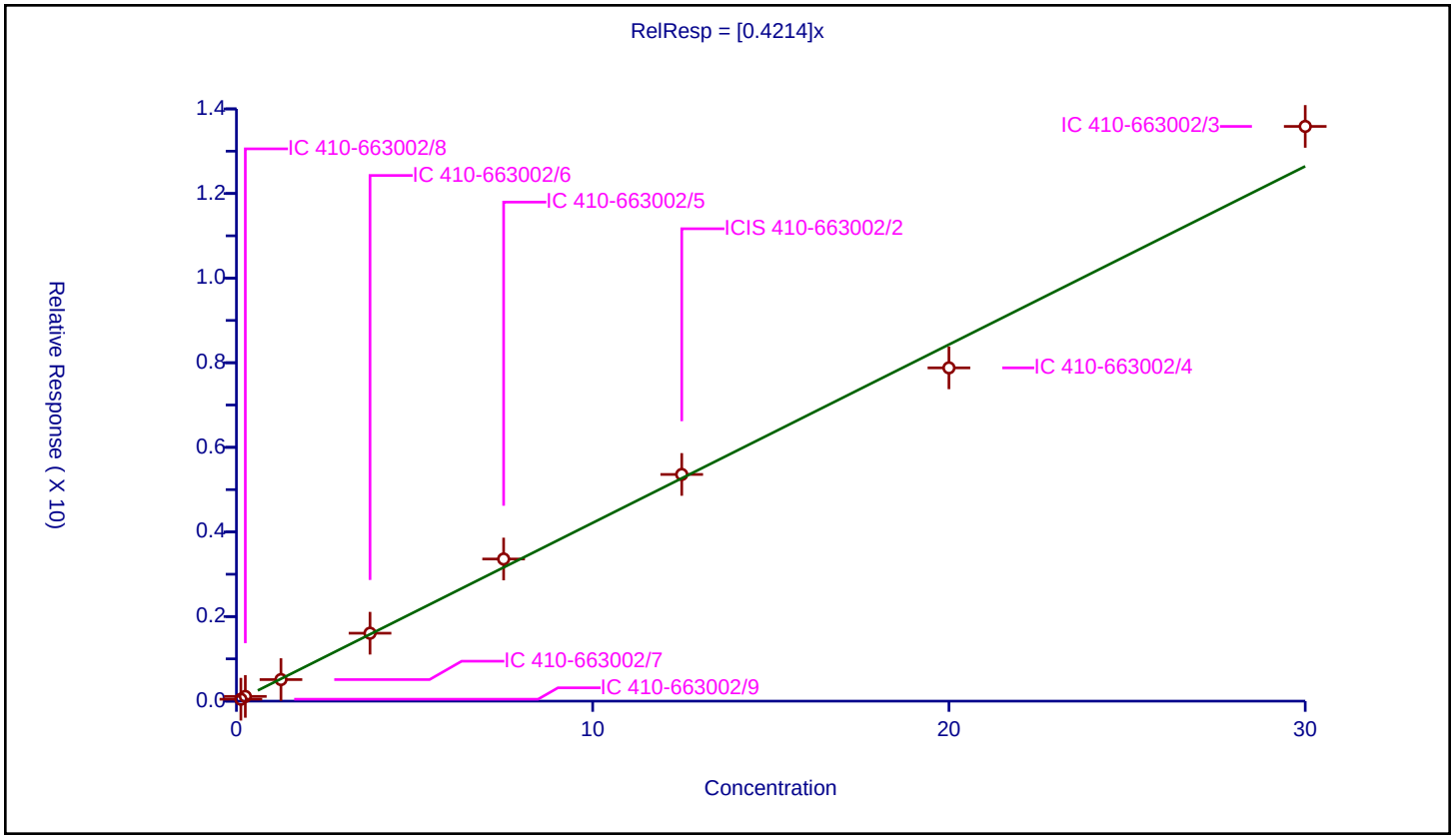
Curve Coefficients

Intercept:	0
Slope:	0.4214

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.045595	5.0	328987.0	0.364756	Y
2	IC 410-663002/8	0.25	0.111867	5.0	347467.0	0.447467	Y
3	IC 410-663002/7	1.25	0.509727	5.0	340712.0	0.407781	Y
4	IC 410-663002/6	3.75	1.60556	5.0	385280.0	0.428149	Y
5	IC 410-663002/5	7.5	3.359705	5.0	332178.0	0.447961	Y
6	ICIS 410-663002/2	12.5	5.358612	5.0	372785.0	0.428689	Y
7	IC 410-663002/4	20.0	7.878723	5.0	463888.0	0.393936	Y
8	IC 410-663002/3	30.0	13.585674	5.0	356297.0	0.452856	Y



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Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

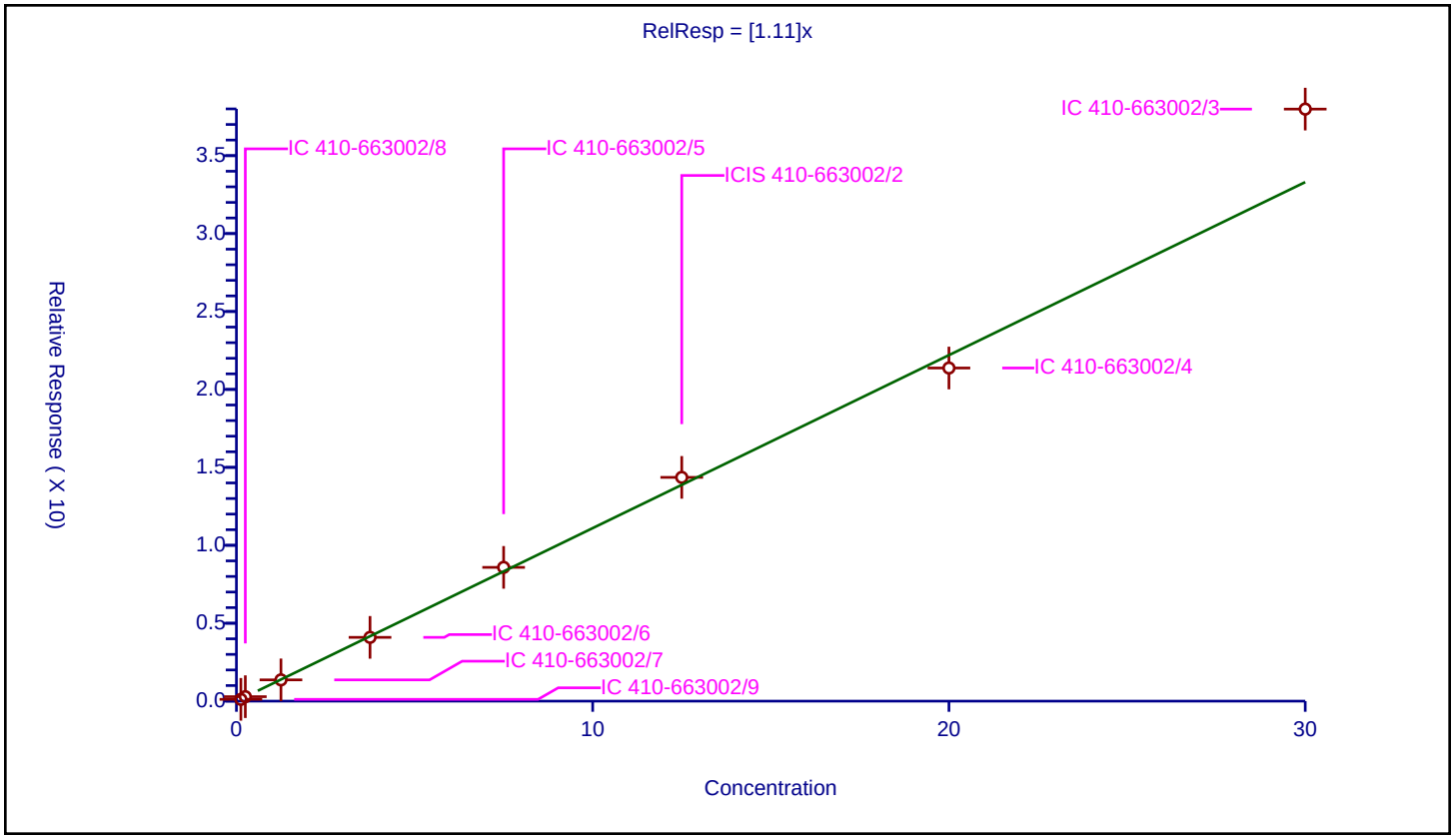
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.115491	5.0	328987.0	0.923927	Y
2	IC 410-663002/8	0.25	0.286243	5.0	347467.0	1.144972	Y
3	IC 410-663002/7	1.25	1.365391	5.0	340712.0	1.092313	Y
4	IC 410-663002/6	3.75	4.091687	5.0	385280.0	1.091116	Y
5	IC 410-663002/5	7.5	8.582462	5.0	332178.0	1.144328	Y
6	ICIS 410-663002/2	12.5	14.356935	5.0	372785.0	1.148555	Y
7	IC 410-663002/4	20.0	21.374545	5.0	463888.0	1.068727	Y
8	IC 410-663002/3	30.0	37.986792	5.0	356297.0	1.266226	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

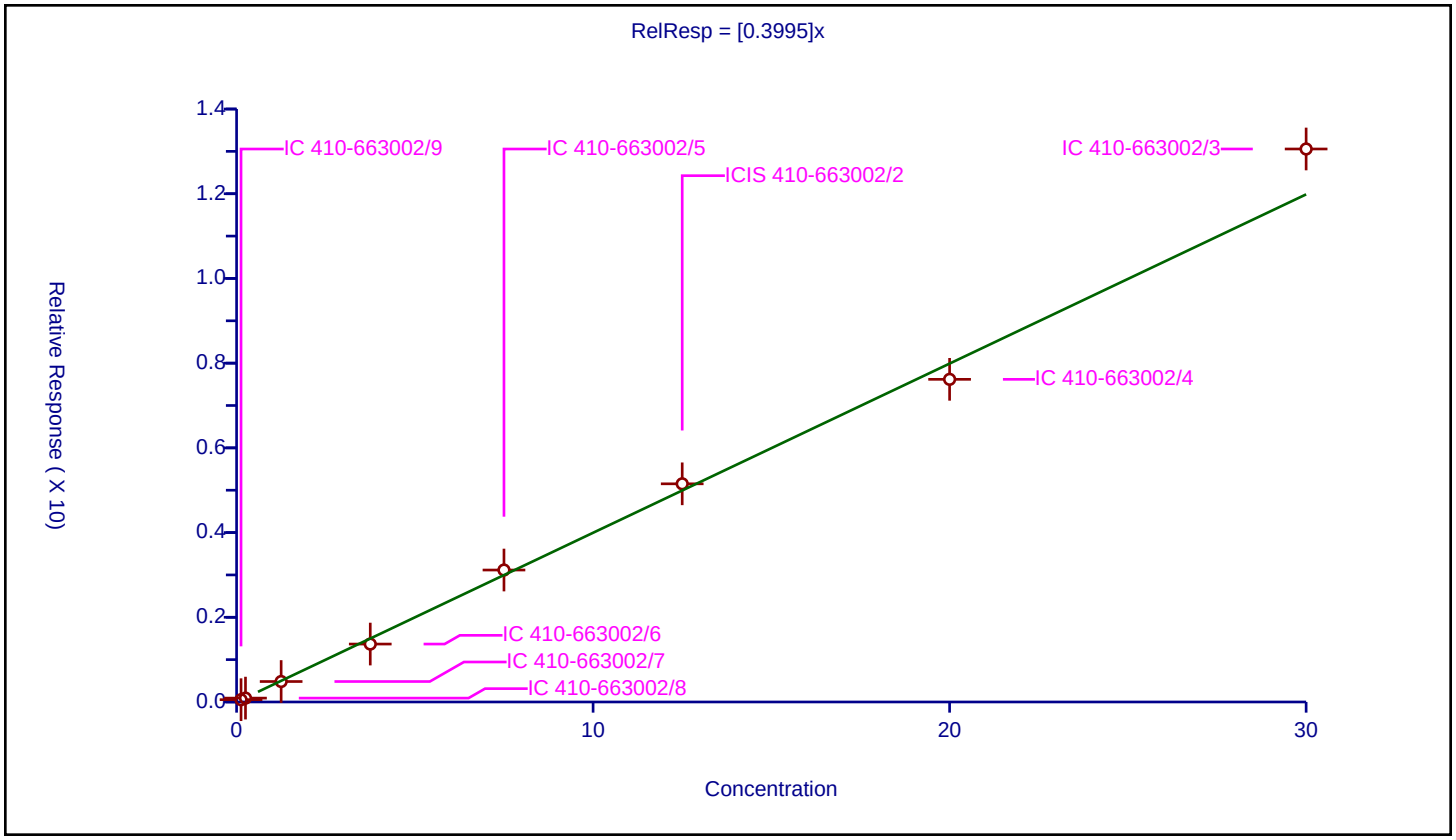
Curve Coefficients

Intercept:	0
Slope:	0.3995

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.054364	5.0	328987.0	0.434911	Y
2	IC 410-663002/8	0.25	0.091591	5.0	347467.0	0.366366	Y
3	IC 410-663002/7	1.25	0.482901	5.0	340712.0	0.38632	Y
4	IC 410-663002/6	3.75	1.36772	5.0	385280.0	0.364725	Y
5	IC 410-663002/5	7.5	3.115378	5.0	332178.0	0.415384	Y
6	ICIS 410-663002/2	12.5	5.151334	5.0	372785.0	0.412107	Y
7	IC 410-663002/4	20.0	7.617647	5.0	463888.0	0.380882	Y
8	IC 410-663002/3	30.0	13.05592	5.0	356297.0	0.435197	Y



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Calibration / 2-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

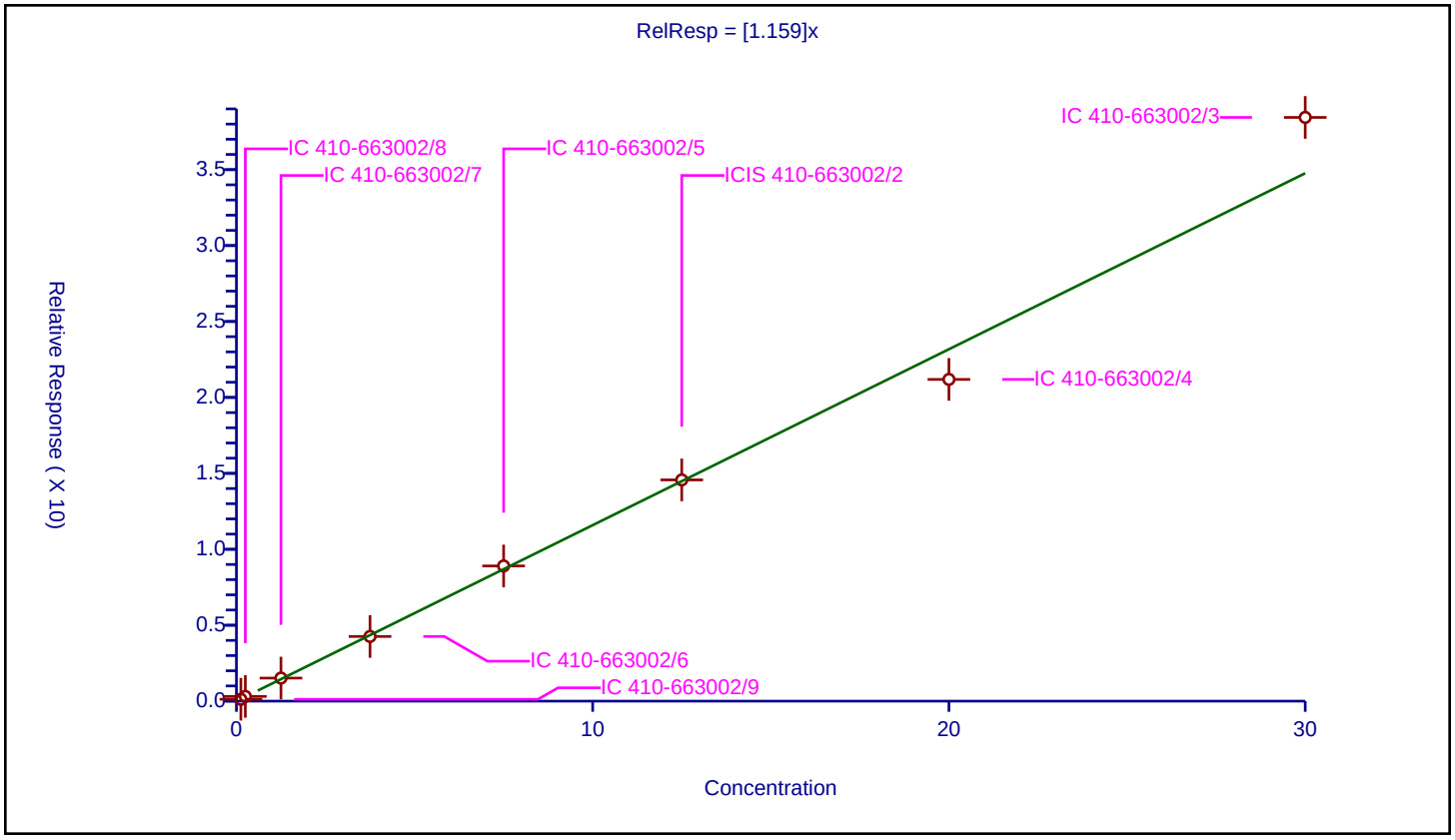
Curve Coefficients

Intercept:	0
Slope:	1.159

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.122862	5.0	328987.0	0.982896	Y
2	IC 410-663002/8	0.25	0.311094	5.0	347467.0	1.244377	Y
3	IC 410-663002/7	1.25	1.517455	5.0	340712.0	1.213964	Y
4	IC 410-663002/6	3.75	4.258591	5.0	385280.0	1.135624	Y
5	IC 410-663002/5	7.5	8.902245	5.0	332178.0	1.186966	Y
6	ICIS 410-663002/2	12.5	14.568156	5.0	372785.0	1.165452	Y
7	IC 410-663002/4	20.0	21.185782	5.0	463888.0	1.059289	Y
8	IC 410-663002/3	30.0	38.438269	5.0	356297.0	1.281276	Y



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Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

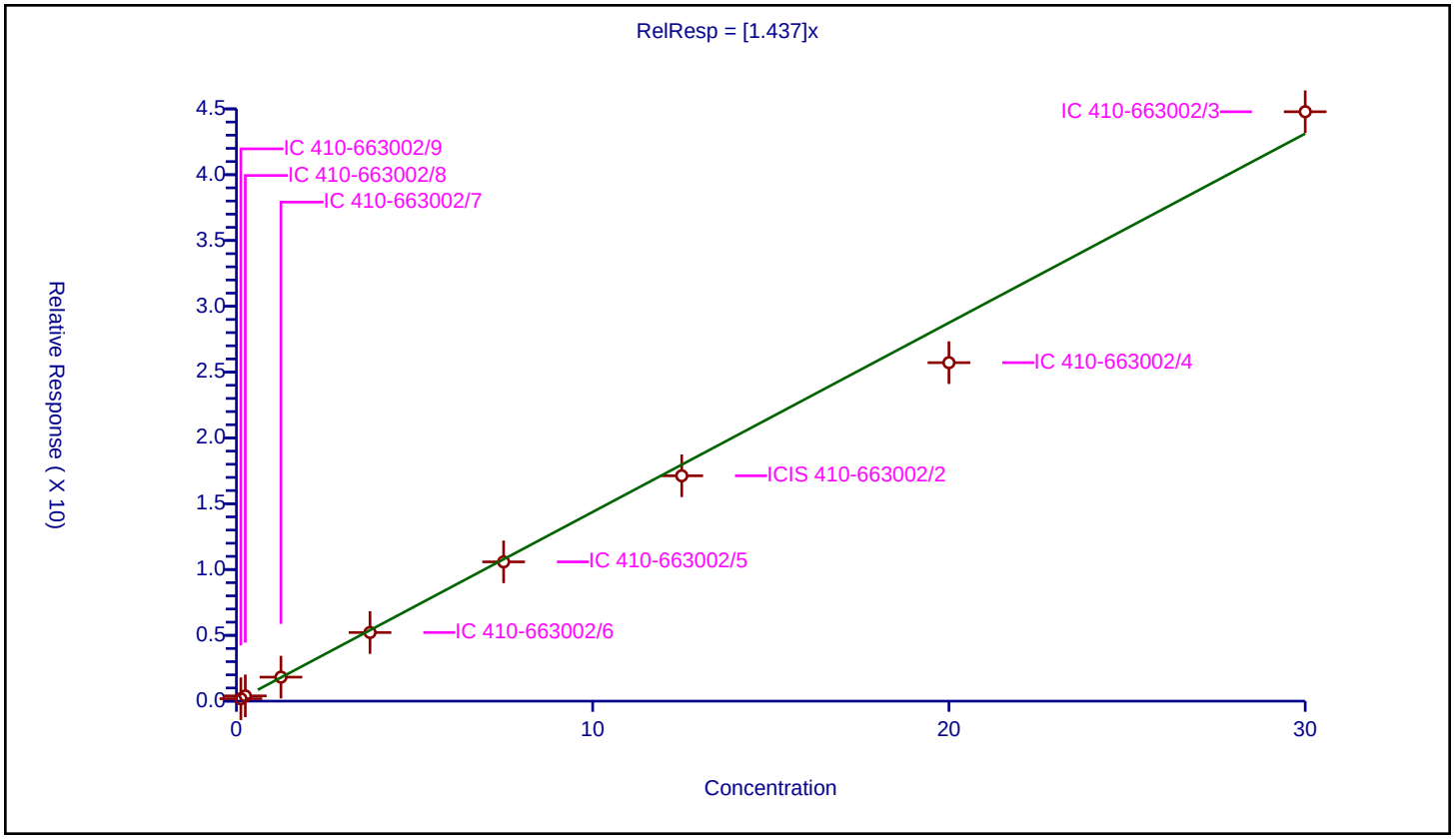
Curve Coefficients

Intercept:	0
Slope:	1.437

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.18598	5.0	328987.0	1.48784	Y
2	IC 410-663002/8	0.25	0.400254	5.0	347467.0	1.601015	Y
3	IC 410-663002/7	1.25	1.82393	5.0	340712.0	1.459144	Y
4	IC 410-663002/6	3.75	5.216661	5.0	385280.0	1.391109	Y
5	IC 410-663002/5	7.5	10.58279	5.0	332178.0	1.411039	Y
6	ICIS 410-663002/2	12.5	17.123959	5.0	372785.0	1.369917	Y
7	IC 410-663002/4	20.0	25.717533	5.0	463888.0	1.285877	Y
8	IC 410-663002/3	30.0	44.783846	5.0	356297.0	1.492795	Y



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Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

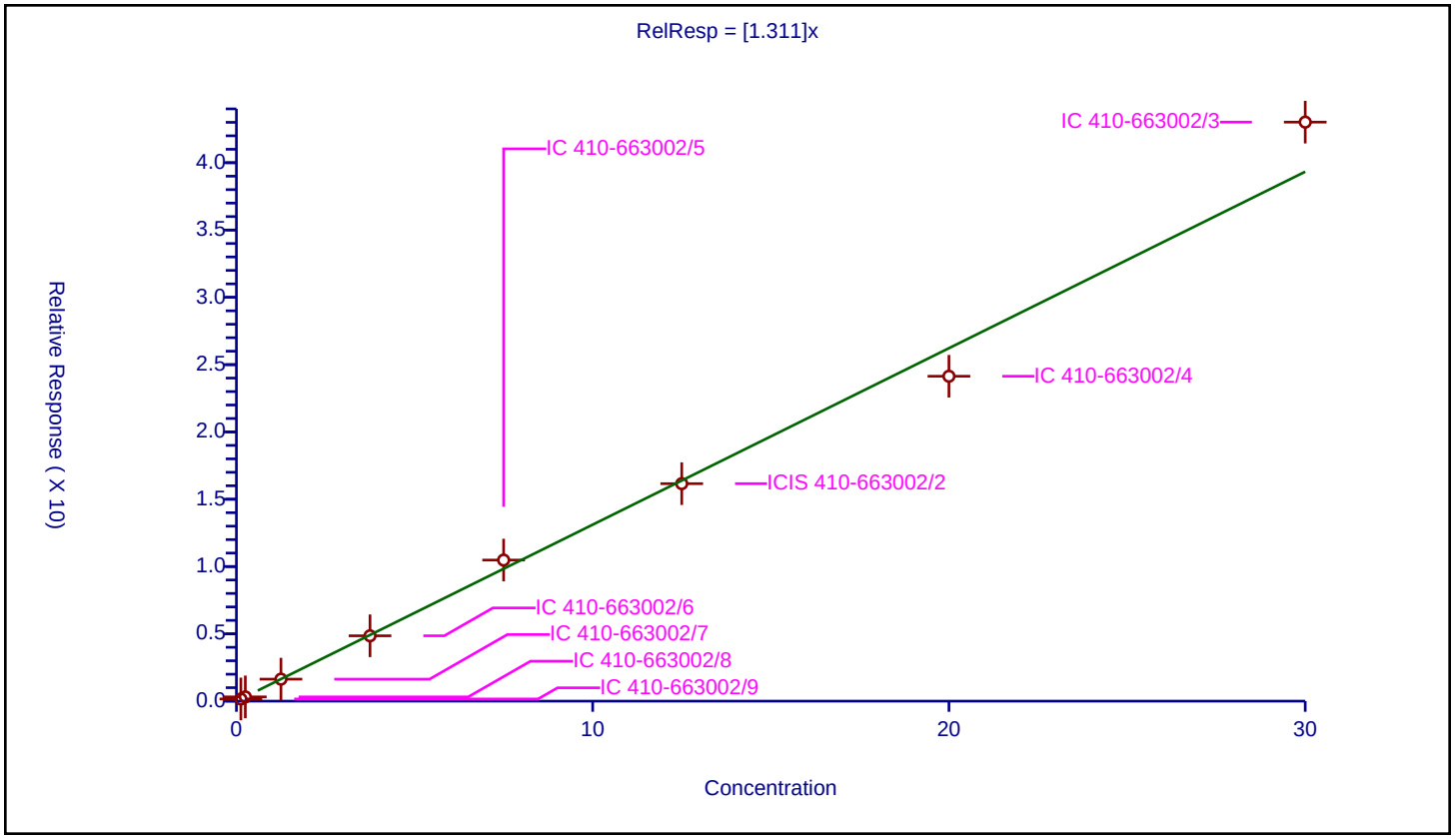
Curve Coefficients

Intercept:	0
Slope:	1.311

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.161541	5.0	328987.0	1.292331	Y
2	IC 410-663002/8	0.25	0.315814	5.0	347467.0	1.263257	Y
3	IC 410-663002/7	1.25	1.634328	5.0	340712.0	1.307462	Y
4	IC 410-663002/6	3.75	4.854586	5.0	385280.0	1.294556	Y
5	IC 410-663002/5	7.5	10.480917	5.0	332178.0	1.397456	Y
6	ICIS 410-663002/2	12.5	16.158121	5.0	372785.0	1.29265	Y
7	IC 410-663002/4	20.0	24.137335	5.0	463888.0	1.206867	Y
8	IC 410-663002/3	30.0	43.016584	5.0	356297.0	1.433886	Y



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Calibration / Thionazin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

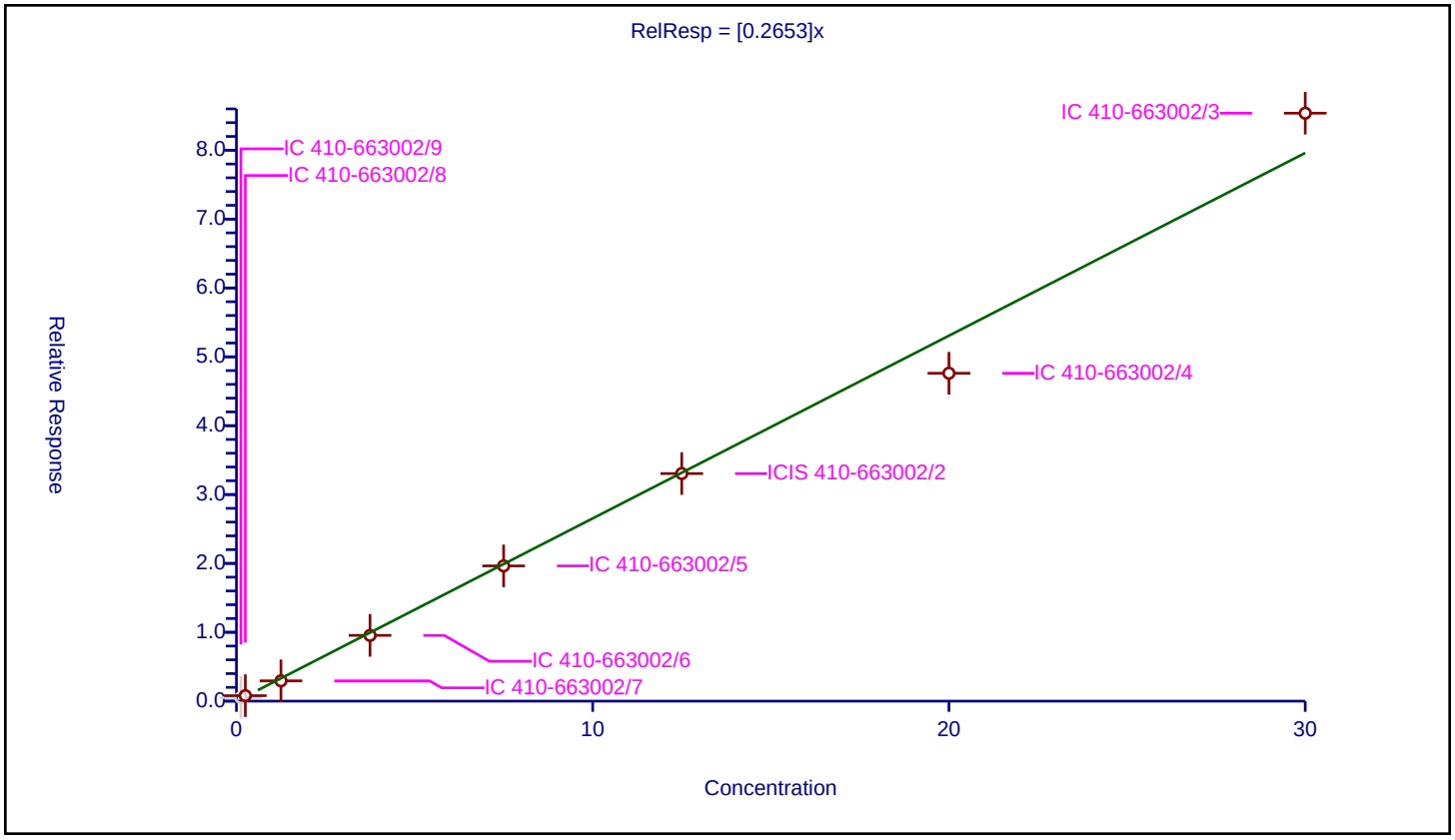
Curve Coefficients

Intercept:	0
Slope:	0.2653

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.052282	5.0	328987.0	0.418254	N
2	IC 410-663002/8	0.25	0.079475	5.0	347467.0	0.317901	Y
3	IC 410-663002/7	1.25	0.294912	5.0	340712.0	0.235929	Y
4	IC 410-663002/6	3.75	0.955046	5.0	385280.0	0.254679	Y
5	IC 410-663002/5	7.5	1.963917	5.0	332178.0	0.261856	Y
6	ICIS 410-663002/2	12.5	3.304706	5.0	372785.0	0.264377	Y
7	IC 410-663002/4	20.0	4.761419	5.0	463888.0	0.238071	Y
8	IC 410-663002/3	30.0	8.537246	5.0	356297.0	0.284575	Y



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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

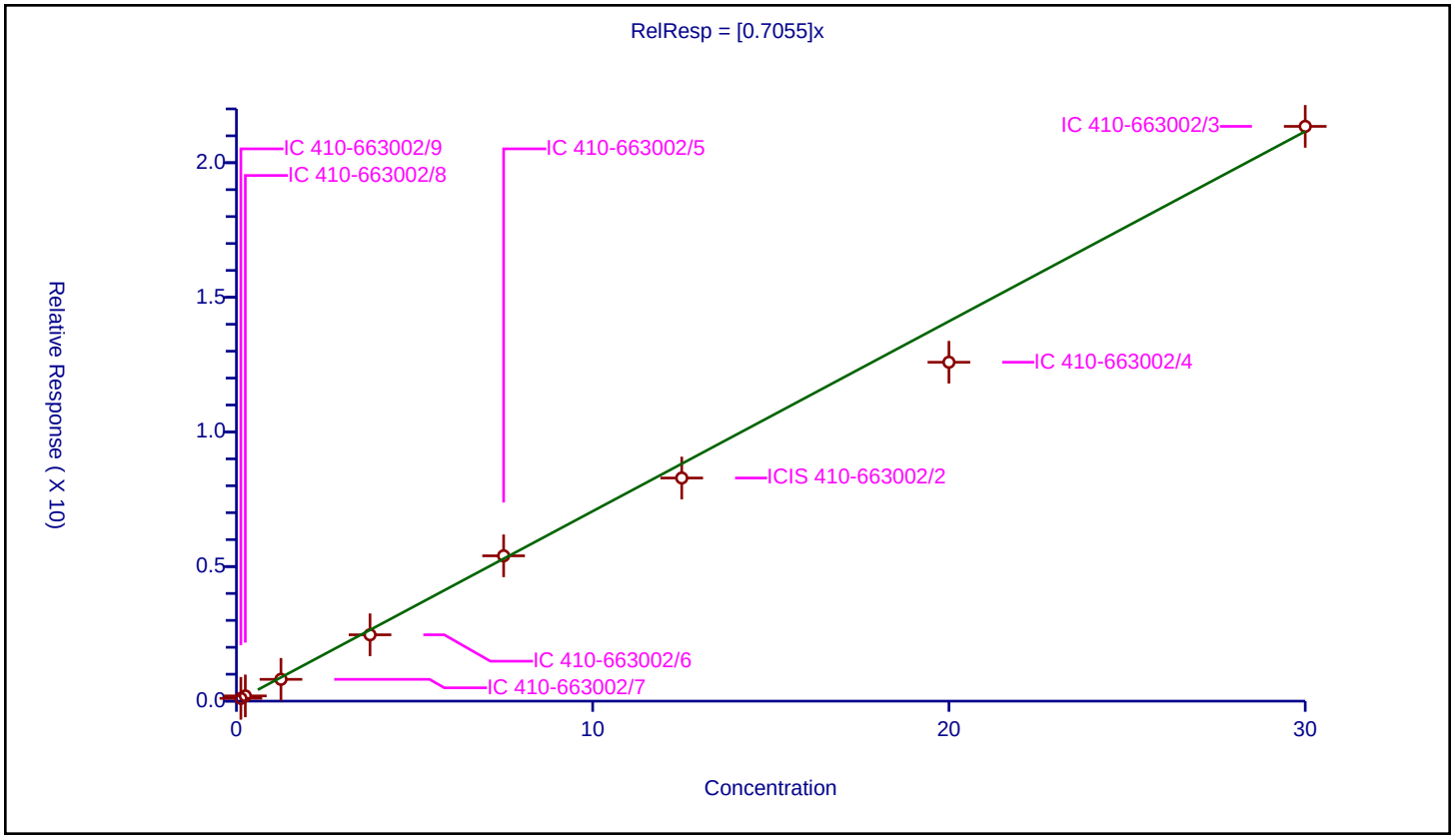
Curve Coefficients

Intercept:	0
Slope:	0.7055

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.104548	5.0	328987.0	0.836386	Y
2	IC 410-663002/8	0.25	0.194493	5.0	347467.0	0.777973	Y
3	IC 410-663002/7	1.25	0.809966	5.0	340712.0	0.647972	Y
4	IC 410-663002/6	3.75	2.465168	5.0	385280.0	0.657378	Y
5	IC 410-663002/5	7.5	5.39816	5.0	332178.0	0.719755	Y
6	ICIS 410-663002/2	12.5	8.288638	5.0	372785.0	0.663091	Y
7	IC 410-663002/4	20.0	12.589407	5.0	463888.0	0.62947	Y
8	IC 410-663002/3	30.0	21.350643	5.0	356297.0	0.711688	Y



Calibration / N-Nitro-o-toluidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

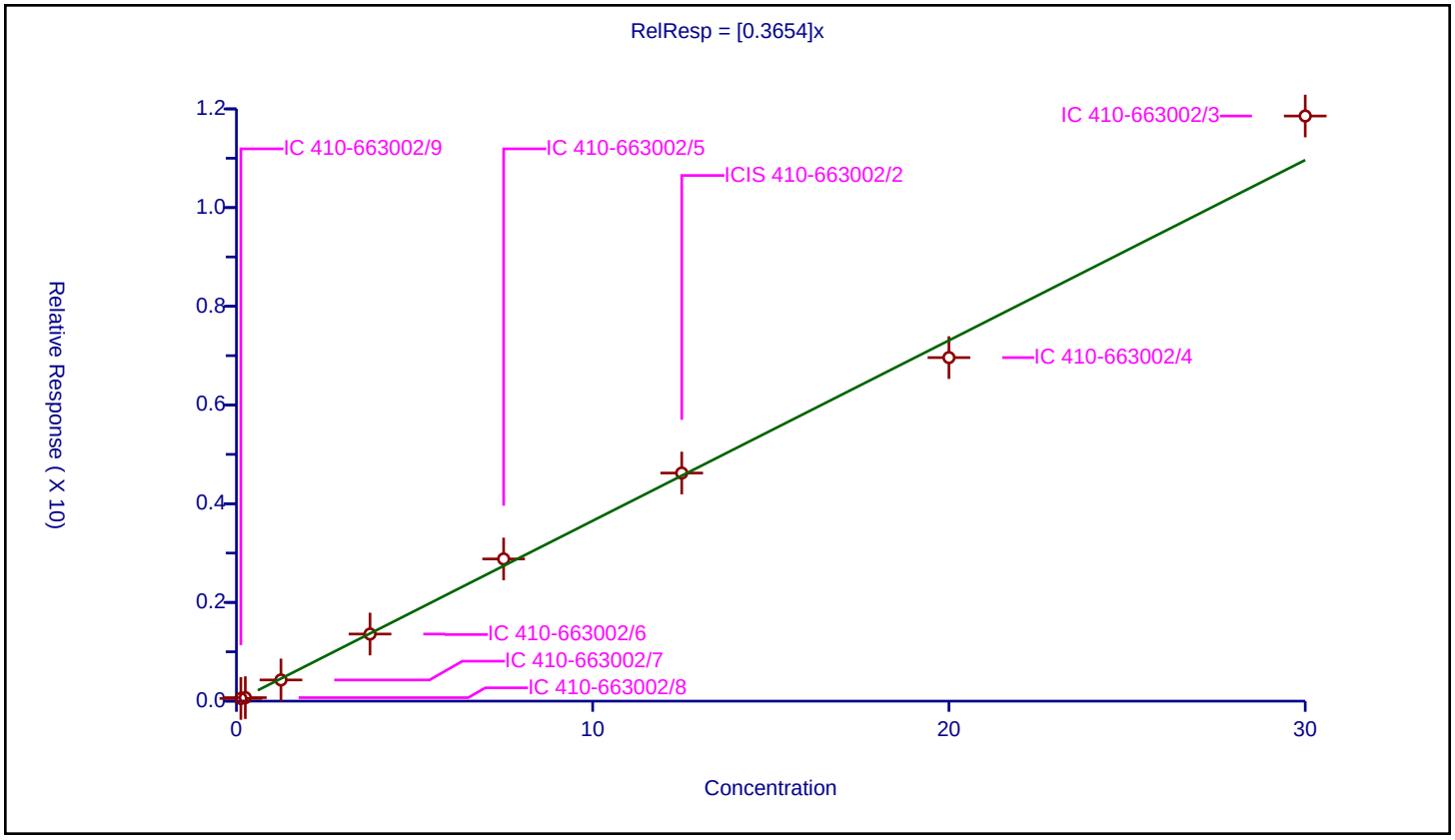
Curve Coefficients

Intercept:	0
Slope:	0.3654

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.054501	5.0	328987.0	0.436005	Y
2	IC 410-663002/8	0.25	0.071143	5.0	347467.0	0.284574	Y
3	IC 410-663002/7	1.25	0.429219	5.0	340712.0	0.343375	Y
4	IC 410-663002/6	3.75	1.359414	5.0	385280.0	0.36251	Y
5	IC 410-663002/5	7.5	2.88082	5.0	332178.0	0.384109	Y
6	ICIS 410-663002/2	12.5	4.62186	5.0	372785.0	0.369749	Y
7	IC 410-663002/4	20.0	6.960646	5.0	463888.0	0.348032	Y
8	IC 410-663002/3	30.0	11.856134	5.0	356297.0	0.395204	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

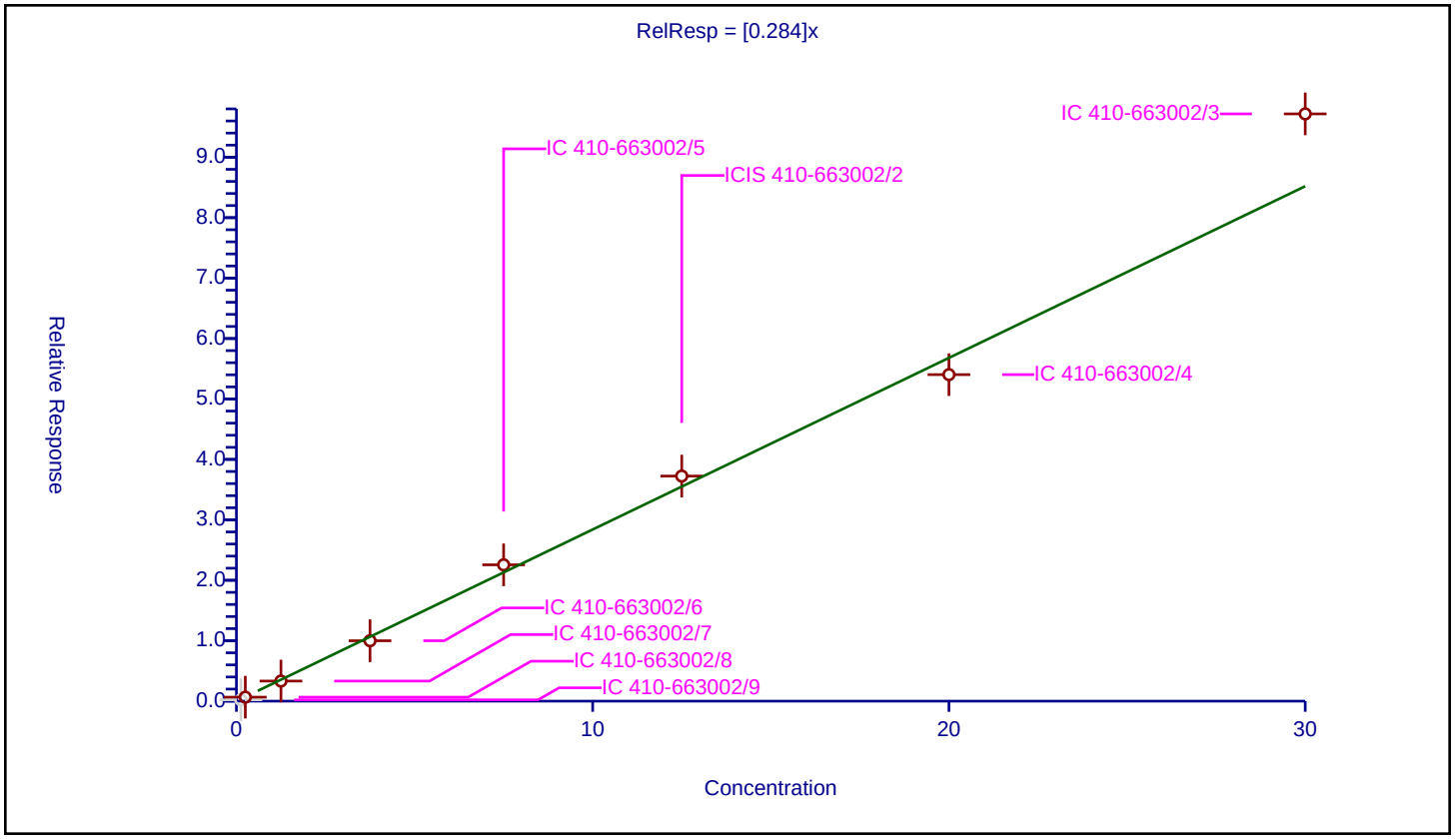
Curve Coefficients

Intercept:	0
Slope:	0.284

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.021505	5.0	328987.0	0.172043	N
2	IC 410-663002/8	0.25	0.065675	5.0	347467.0	0.262701	Y
3	IC 410-663002/7	1.25	0.332671	5.0	340712.0	0.266137	Y
4	IC 410-663002/6	3.75	0.999118	5.0	385280.0	0.266431	Y
5	IC 410-663002/5	7.5	2.255779	5.0	332178.0	0.30077	Y
6	ICIS 410-663002/2	12.5	3.724184	5.0	372785.0	0.297935	Y
7	IC 410-663002/4	20.0	5.402748	5.0	463888.0	0.270137	Y
8	IC 410-663002/3	30.0	9.716964	5.0	356297.0	0.323899	Y



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Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

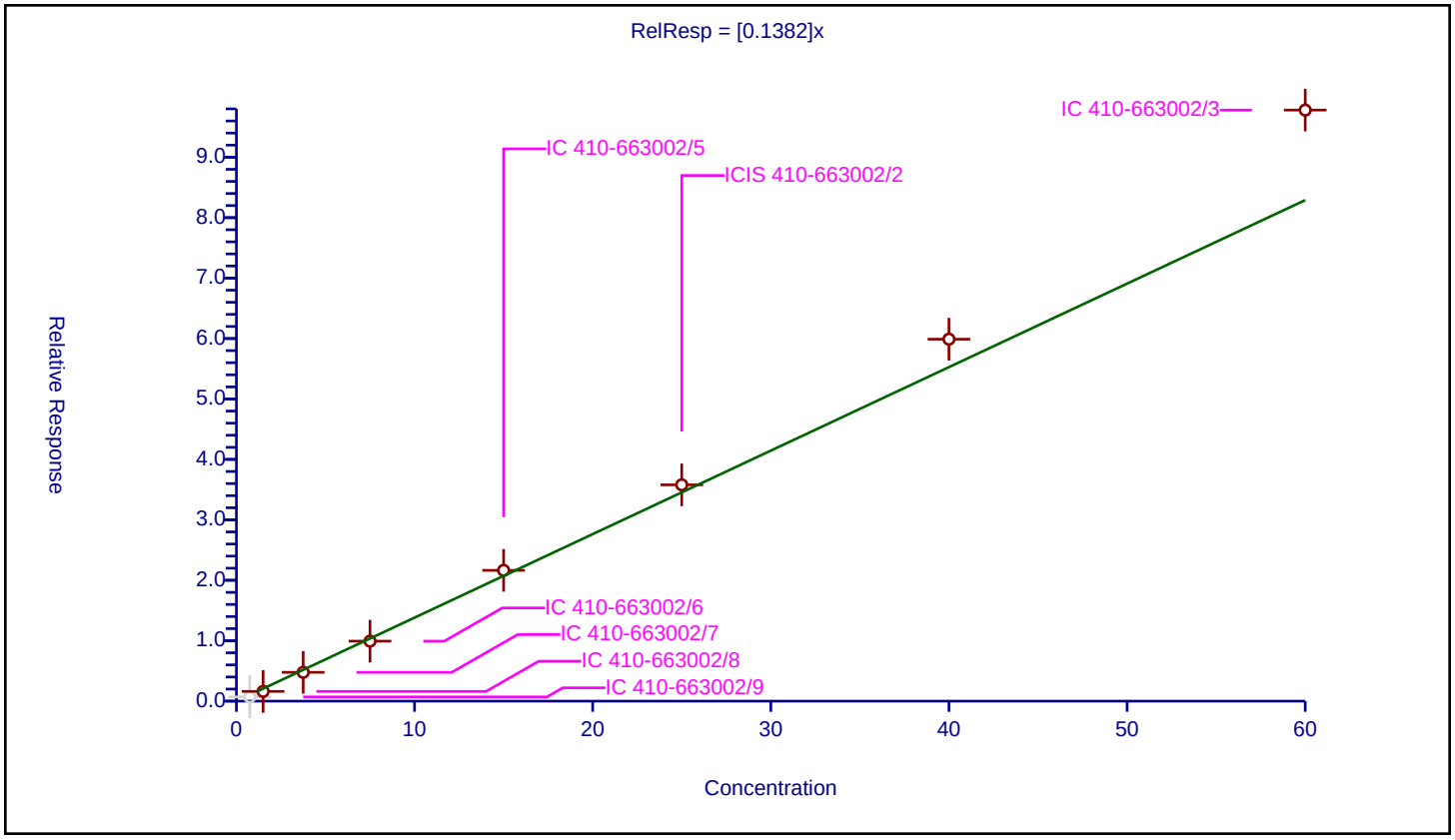
Curve Coefficients

Intercept:	0
Slope:	0.1382

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.75	0.070421	5.0	625812.0	0.093894	N
2	IC 410-663002/8	1.5	0.161199	5.0	656733.0	0.107466	Y
3	IC 410-663002/7	3.75	0.476888	5.0	644669.0	0.12717	Y
4	IC 410-663002/6	7.5	0.992719	5.0	668905.0	0.132363	Y
5	IC 410-663002/5	15.0	2.164274	5.0	624422.0	0.144285	Y
6	ICIS 410-663002/2	25.0	3.579273	5.0	667007.0	0.143171	Y
7	IC 410-663002/4	40.0	5.98932	5.0	768983.0	0.149733	Y
8	IC 410-663002/3	60.0	9.780061	5.0	650020.0	0.163001	Y



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Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

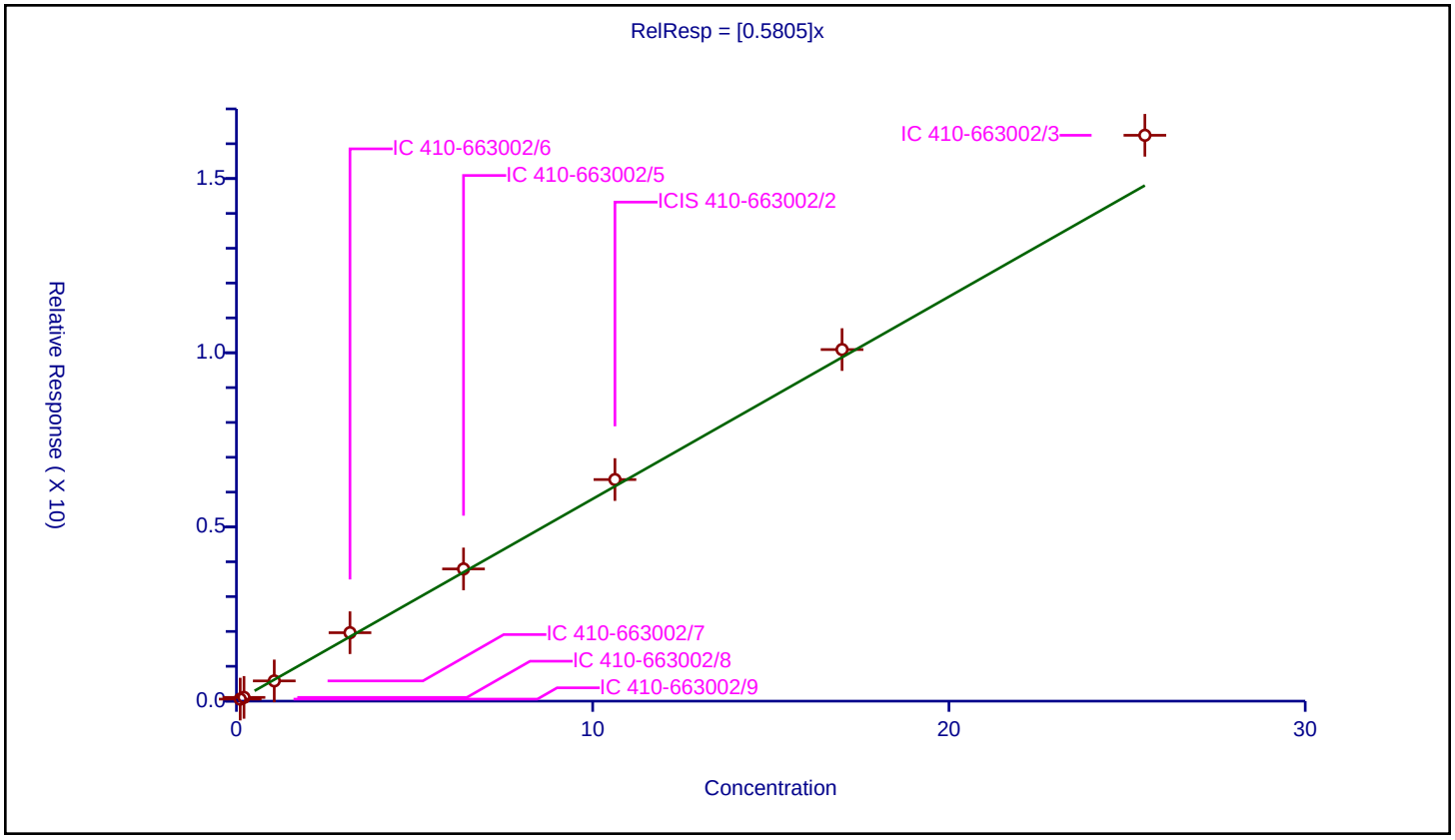
Curve Coefficients

Intercept:	0
Slope:	0.5805

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.10625	0.058596	5.0	625812.0	0.551491	Y
2	IC 410-663002/8	0.2125	0.107365	5.0	656733.0	0.505246	Y
3	IC 410-663002/7	1.0625	0.580569	5.0	644669.0	0.546418	Y
4	IC 410-663002/6	3.1875	1.964203	5.0	668905.0	0.61622	Y
5	IC 410-663002/5	6.375	3.794845	5.0	624422.0	0.59527	Y
6	ICIS 410-663002/2	10.625	6.360278	5.0	667007.0	0.598614	Y
7	IC 410-663002/4	17.0	10.091771	5.0	768983.0	0.593634	Y
8	IC 410-663002/3	25.5	16.242239	5.0	650020.0	0.636951	Y



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Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

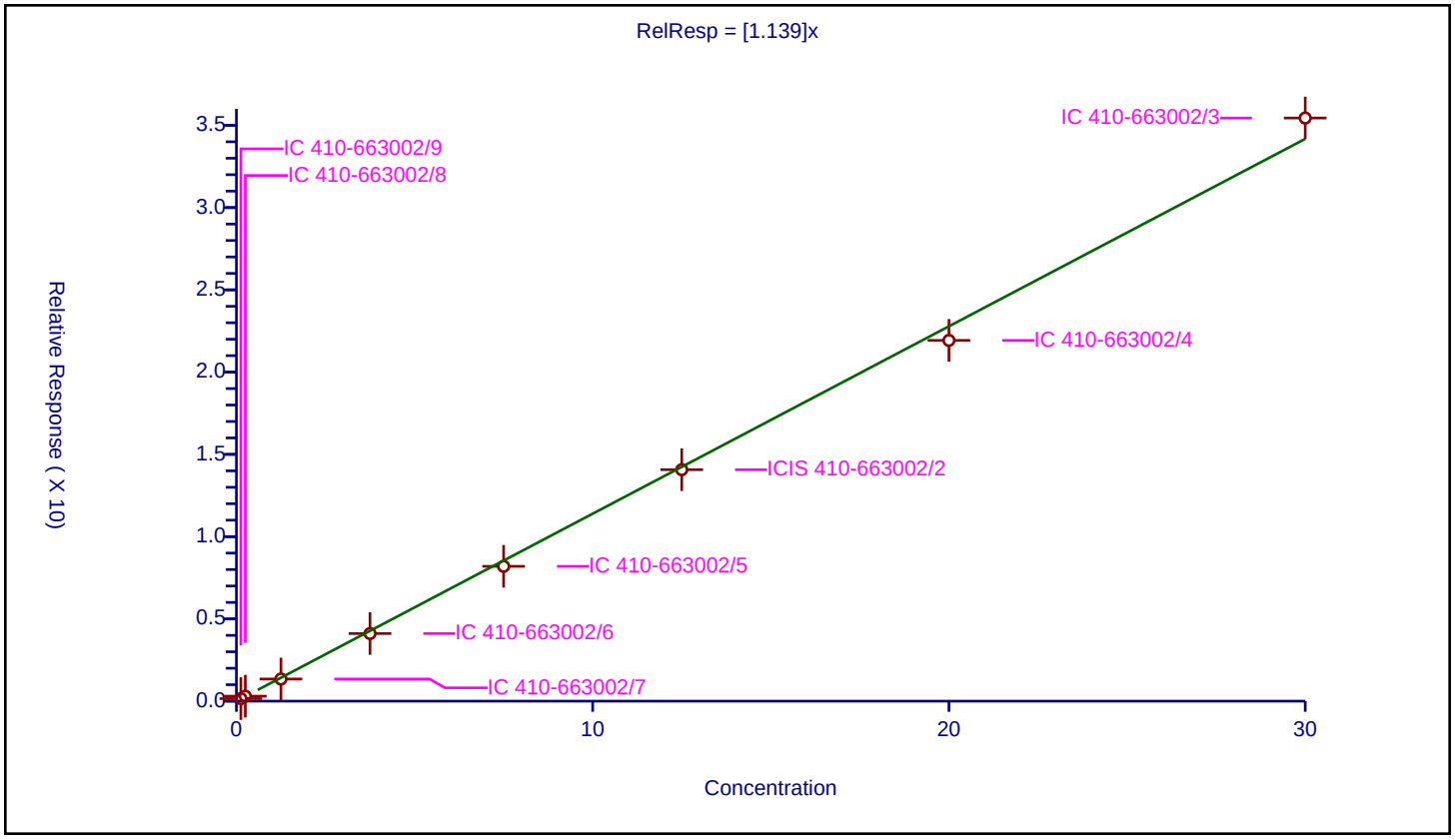
Curve Coefficients

Intercept:	0
Slope:	1.139

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.154367	5.0	625812.0	1.23494	Y
2	IC 410-663002/8	0.25	0.302383	5.0	656733.0	1.209533	Y
3	IC 410-663002/7	1.25	1.346893	5.0	644669.0	1.077514	Y
4	IC 410-663002/6	3.75	4.109492	5.0	668905.0	1.095865	Y
5	IC 410-663002/5	7.5	8.193585	5.0	624422.0	1.092478	Y
6	ICIS 410-663002/2	12.5	14.068765	5.0	667007.0	1.125501	Y
7	IC 410-663002/4	20.0	21.928027	5.0	768983.0	1.096401	Y
8	IC 410-663002/3	30.0	35.444886	5.0	650020.0	1.181496	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

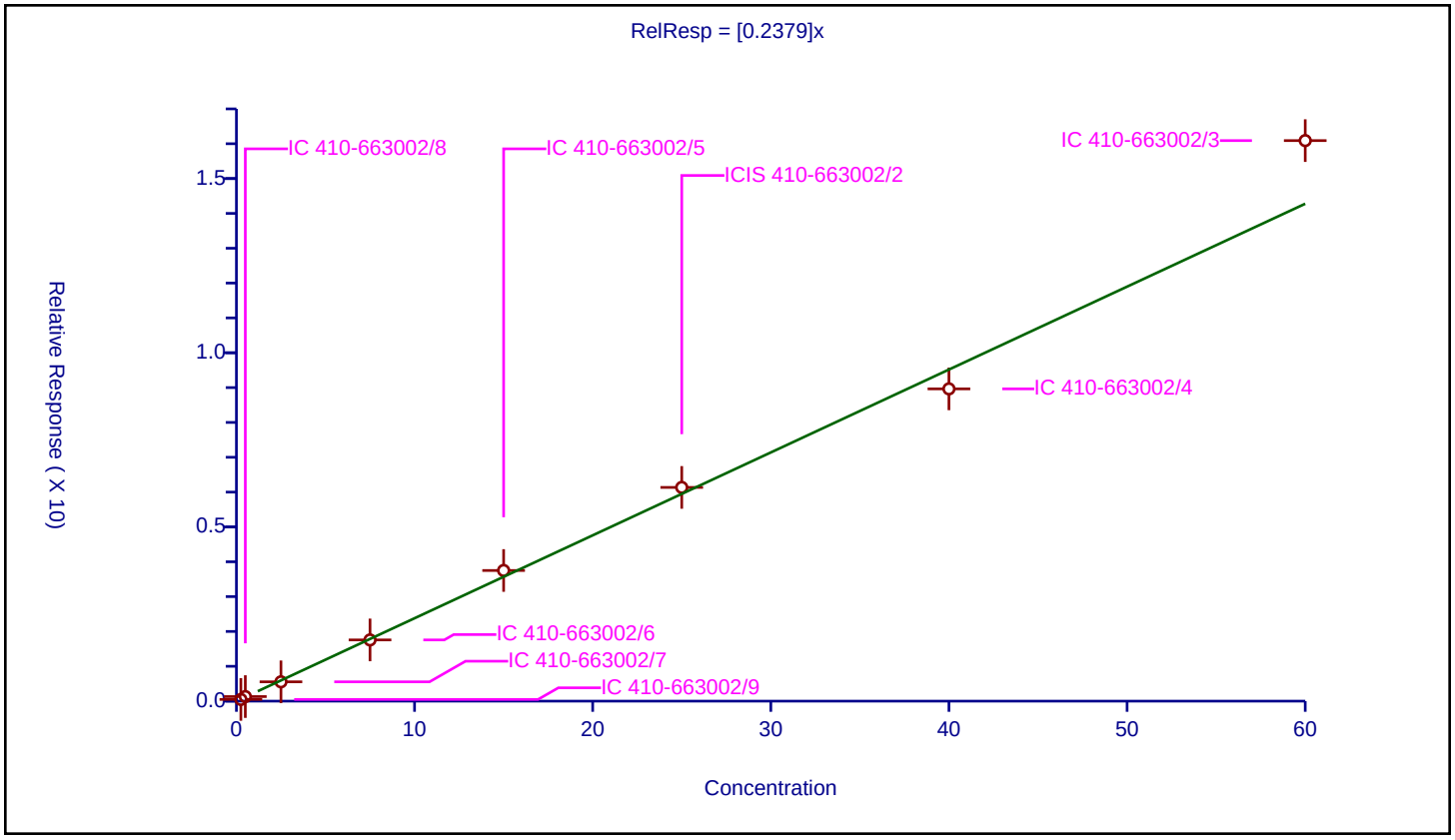
Curve Coefficients

Intercept:	0
Slope:	0.2379

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.049212	5.0	328987.0	0.196847	Y
2	IC 410-663002/8	0.5	0.131437	5.0	347467.0	0.262874	Y
3	IC 410-663002/7	2.5	0.554853	5.0	340712.0	0.221941	Y
4	IC 410-663002/6	7.5	1.75693	5.0	385280.0	0.234257	Y
5	IC 410-663002/5	15.0	3.750474	5.0	332178.0	0.250032	Y
6	ICIS 410-663002/2	25.0	6.134501	5.0	372785.0	0.24538	Y
7	IC 410-663002/4	40.0	8.963715	5.0	463888.0	0.224093	Y
8	IC 410-663002/3	60.0	16.08919	5.0	356297.0	0.268153	Y



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Calibration / Sulfotepp

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

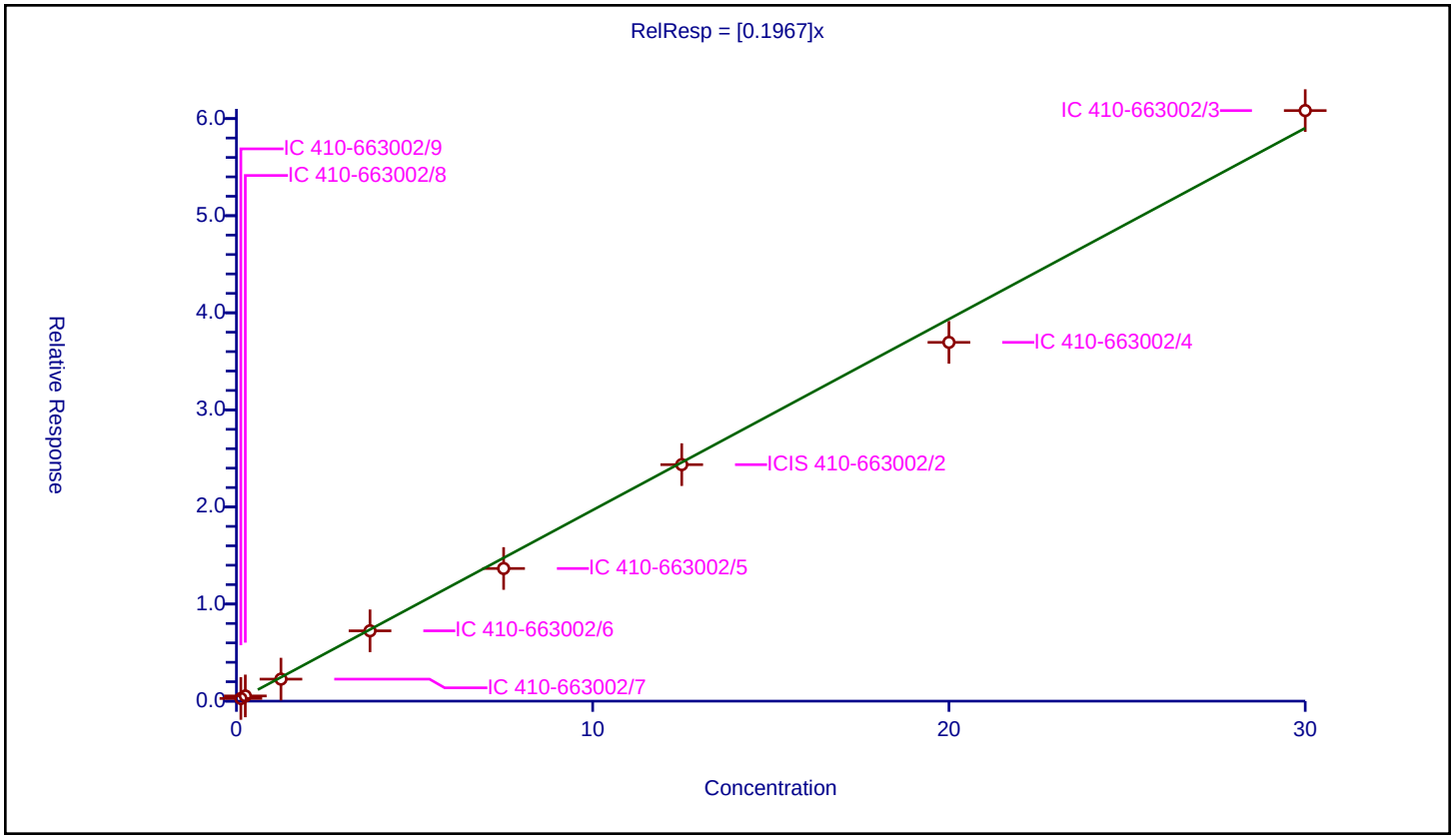
Curve Coefficients

Intercept:	0
Slope:	0.1967

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.027572	5.0	625812.0	0.220577	Y
2	IC 410-663002/8	0.25	0.053568	5.0	656733.0	0.214273	Y
3	IC 410-663002/7	1.25	0.226705	5.0	644669.0	0.181364	Y
4	IC 410-663002/6	3.75	0.724311	5.0	668905.0	0.19315	Y
5	IC 410-663002/5	7.5	1.366368	5.0	624422.0	0.182182	Y
6	ICIS 410-663002/2	12.5	2.435911	5.0	667007.0	0.194873	Y
7	IC 410-663002/4	20.0	3.695348	5.0	768983.0	0.184767	Y
8	IC 410-663002/3	30.0	6.082336	5.0	650020.0	0.202745	Y



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Calibration / cis-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

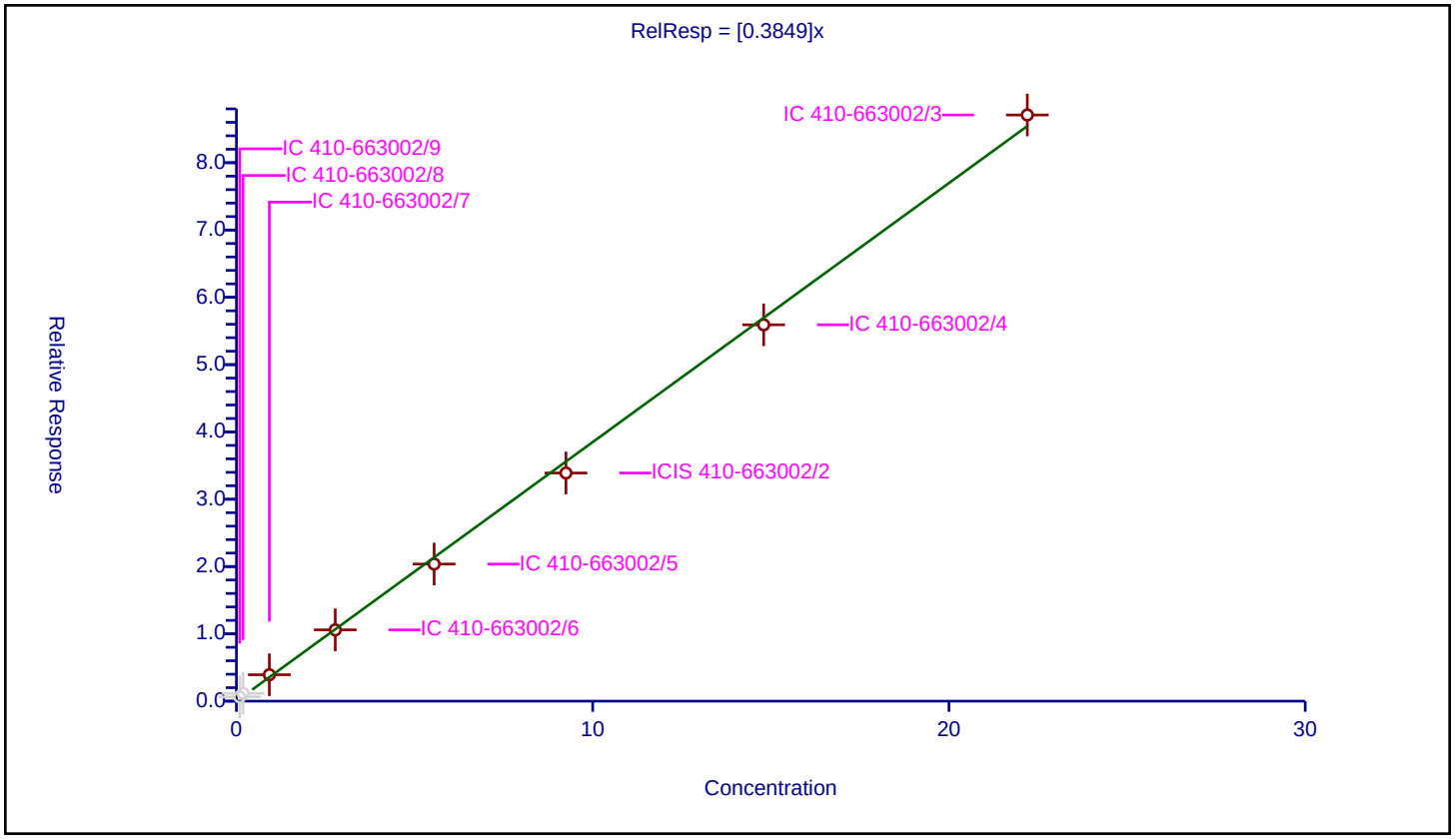
Curve Coefficients

Intercept:	0
Slope:	0.3849

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.0925	0.062958	5.0	625812.0	0.680629	N
2	IC 410-663002/8	0.185	0.115648	5.0	656733.0	0.625125	N
3	IC 410-663002/7	0.925	0.392186	5.0	644669.0	0.423985	Y
4	IC 410-663002/6	2.775	1.059014	5.0	668905.0	0.381627	Y
5	IC 410-663002/5	5.55	2.037276	5.0	624422.0	0.367077	Y
6	ICIS 410-663002/2	9.25	3.389852	5.0	667007.0	0.36647	Y
7	IC 410-663002/4	14.8	5.591834	5.0	768983.0	0.377827	Y
8	IC 410-663002/3	22.2	8.709209	5.0	650020.0	0.392307	Y



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Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

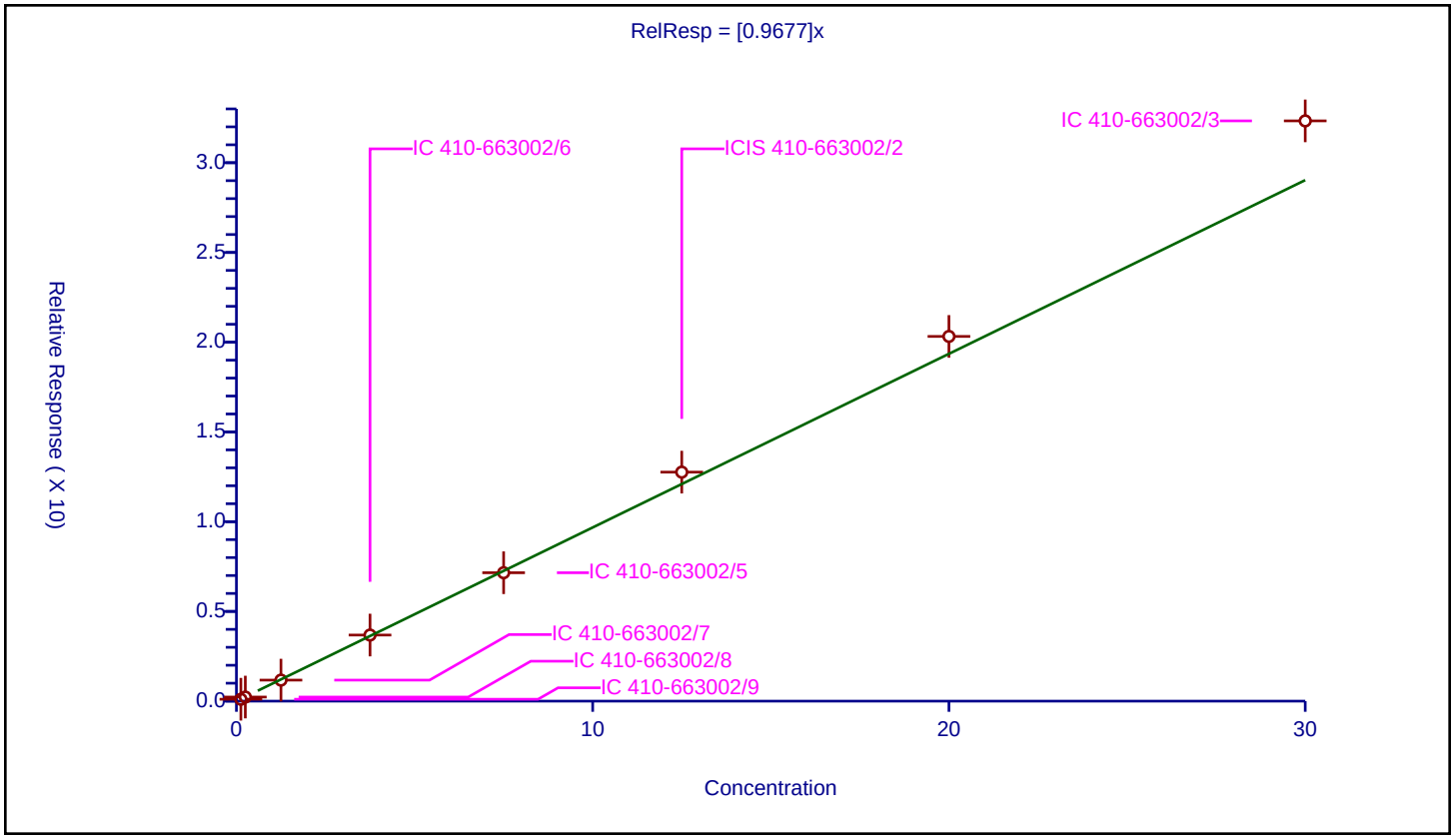
Curve Coefficients

Intercept:	0
Slope:	0.9677

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.105607	5.0	625812.0	0.844854	Y
2	IC 410-663002/8	0.25	0.22717	5.0	656733.0	0.90868	Y
3	IC 410-663002/7	1.25	1.171578	5.0	644669.0	0.937262	Y
4	IC 410-663002/6	3.75	3.682332	5.0	668905.0	0.981955	Y
5	IC 410-663002/5	7.5	7.154593	5.0	624422.0	0.953946	Y
6	ICIS 410-663002/2	12.5	12.759896	5.0	667007.0	1.020792	Y
7	IC 410-663002/4	20.0	20.321132	5.0	768983.0	1.016057	Y
8	IC 410-663002/3	30.0	32.331421	5.0	650020.0	1.077714	Y



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Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

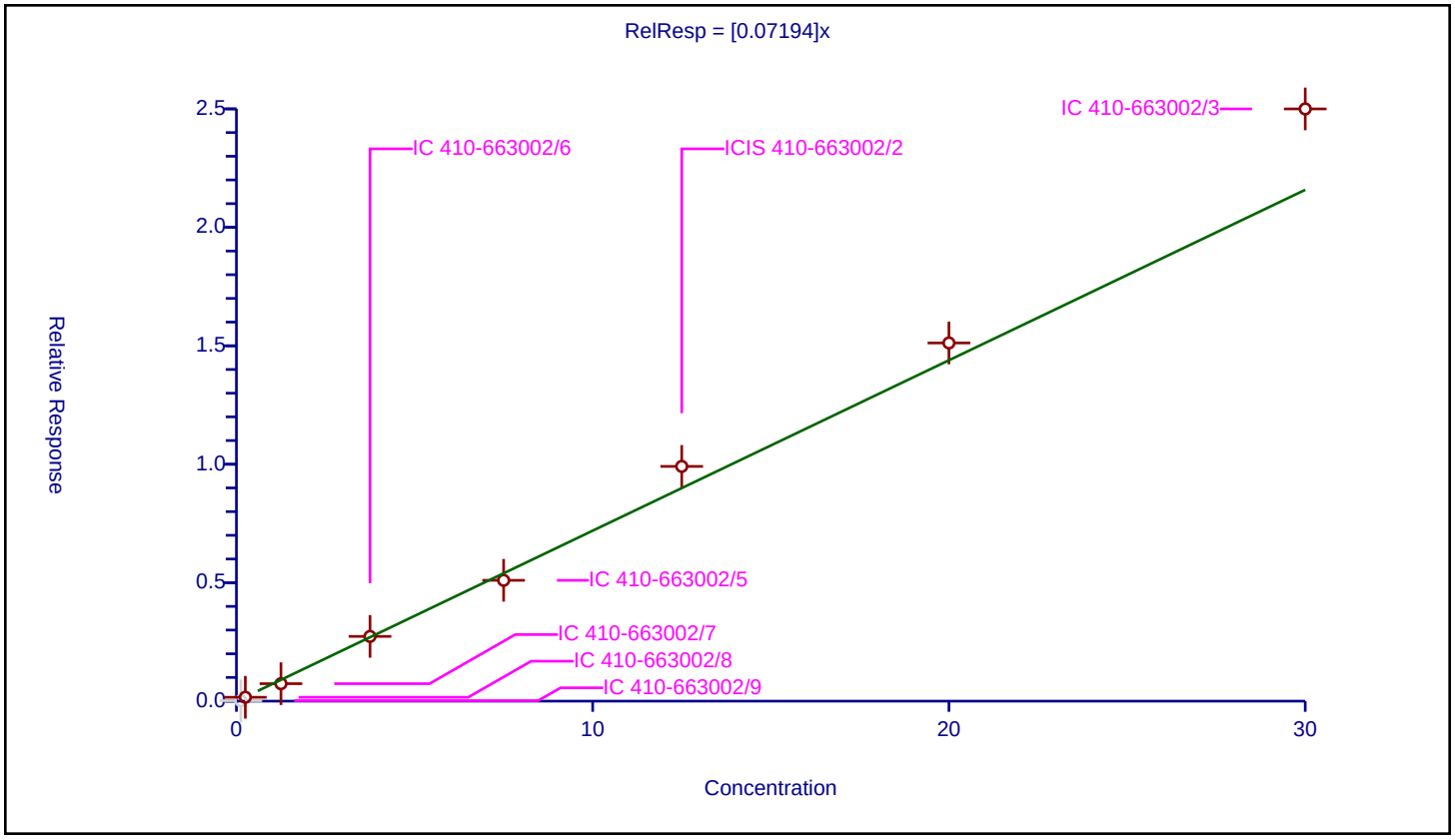
Curve Coefficients

Intercept:	0
Slope:	0.07194

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.001822	5.0	625812.0	0.014573	N
2	IC 410-663002/8	0.25	0.016399	5.0	656733.0	0.065597	Y
3	IC 410-663002/7	1.25	0.073666	5.0	644669.0	0.058933	Y
4	IC 410-663002/6	3.75	0.273245	5.0	668905.0	0.072865	Y
5	IC 410-663002/5	7.5	0.510016	5.0	624422.0	0.068002	Y
6	ICIS 410-663002/2	12.5	0.990934	5.0	667007.0	0.079275	Y
7	IC 410-663002/4	20.0	1.511991	5.0	768983.0	0.0756	Y
8	IC 410-663002/3	30.0	2.499915	5.0	650020.0	0.083331	Y



Calibration / Phenacetin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

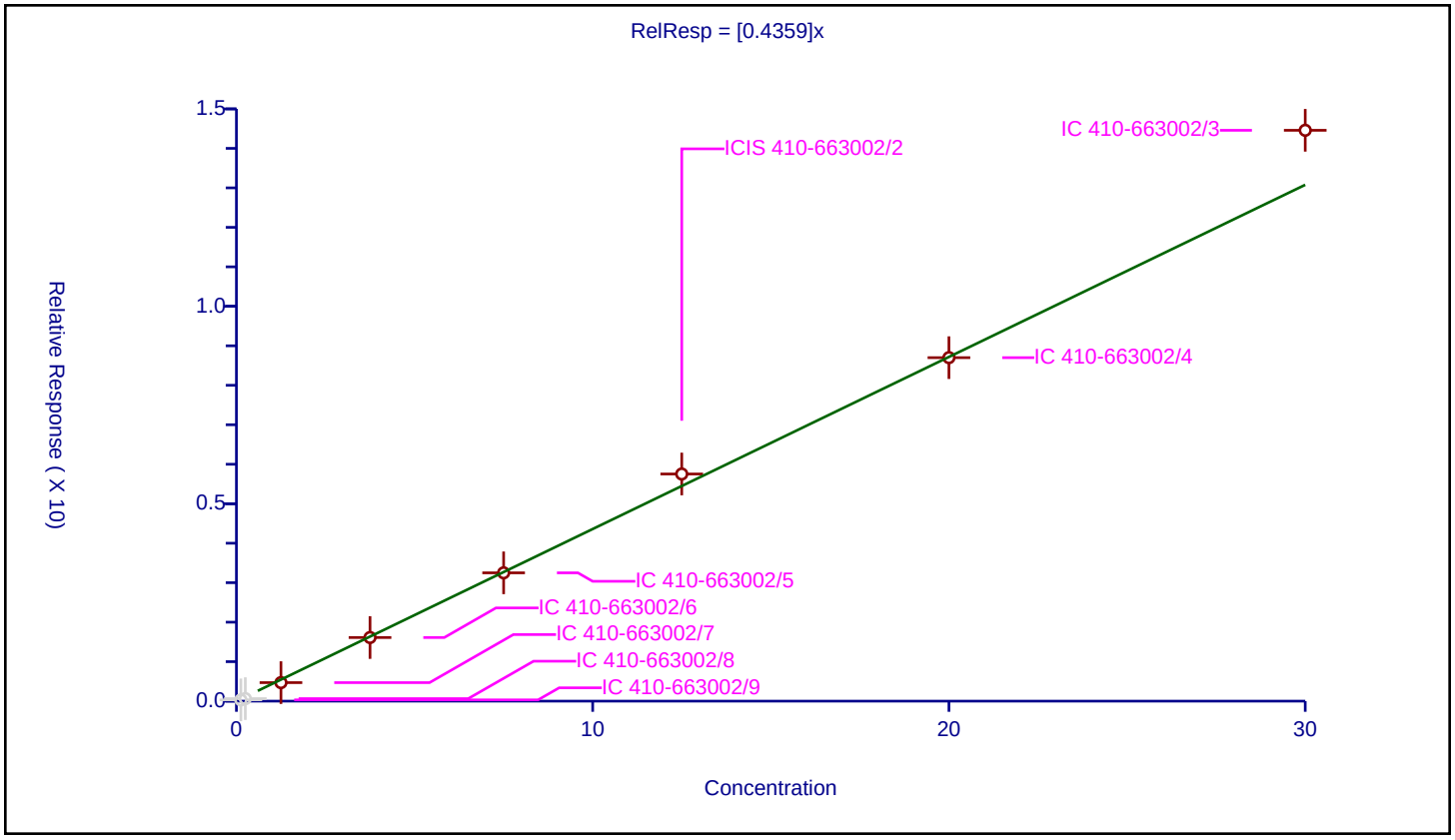
Curve Coefficients

Intercept:	0
Slope:	0.4359

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.031783	5.0	625812.0	0.254262	N
2	IC 410-663002/8	0.25	0.063595	5.0	656733.0	0.25438	N
3	IC 410-663002/7	1.25	0.469016	5.0	644669.0	0.375213	Y
4	IC 410-663002/6	3.75	1.611395	5.0	668905.0	0.429705	Y
5	IC 410-663002/5	7.5	3.249573	5.0	624422.0	0.433276	Y
6	ICIS 410-663002/2	12.5	5.753043	5.0	667007.0	0.460243	Y
7	IC 410-663002/4	20.0	8.69975	5.0	768983.0	0.434988	Y
8	IC 410-663002/3	30.0	14.457863	5.0	650020.0	0.481929	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

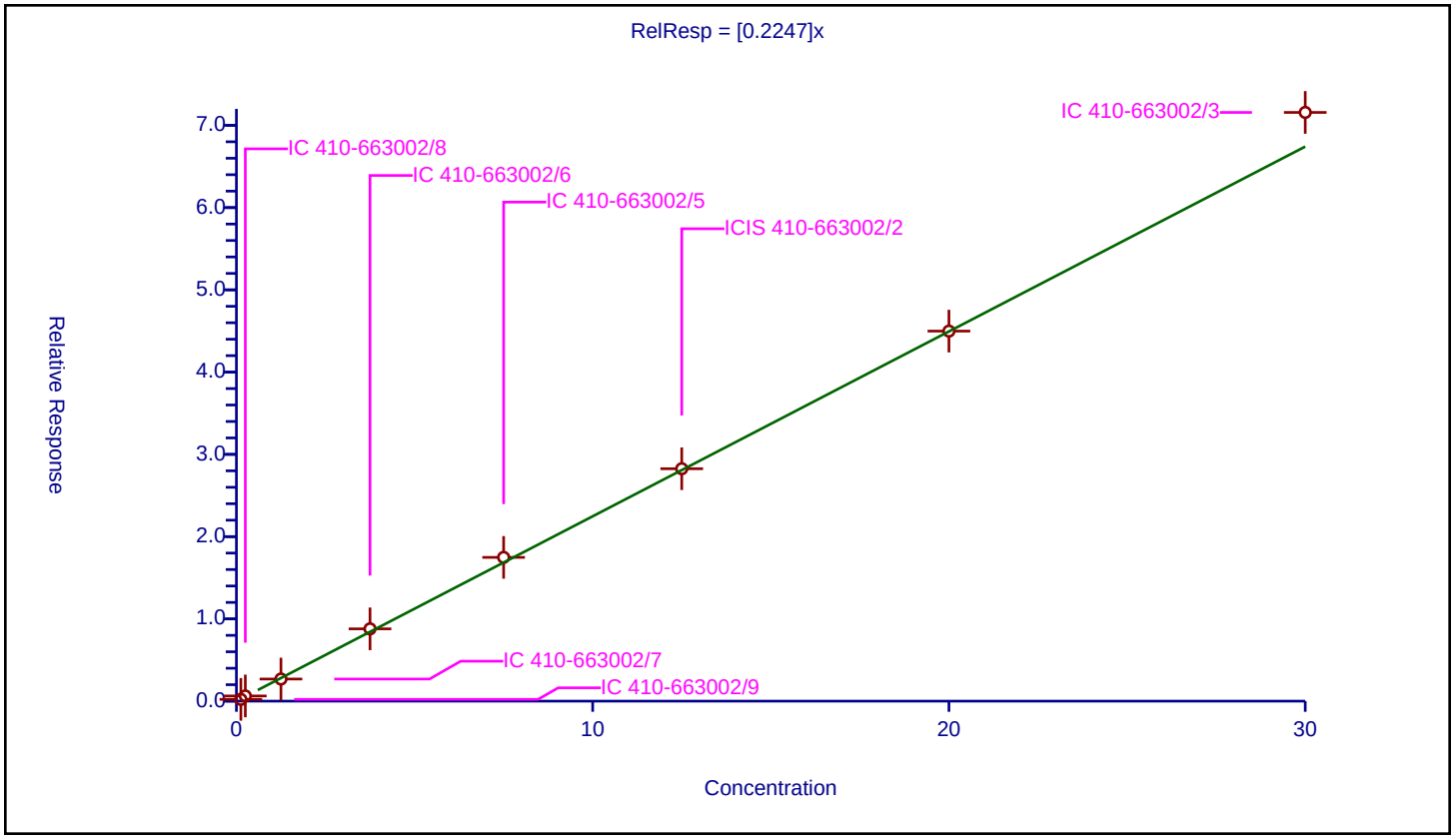
Curve Coefficients

Intercept:	0
Slope:	0.2247

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.021652	5.0	625812.0	0.173215	Y
2	IC 410-663002/8	0.25	0.063085	5.0	656733.0	0.25234	Y
3	IC 410-663002/7	1.25	0.269053	5.0	644669.0	0.215242	Y
4	IC 410-663002/6	3.75	0.878966	5.0	668905.0	0.234391	Y
5	IC 410-663002/5	7.5	1.747576	5.0	624422.0	0.23301	Y
6	ICIS 410-663002/2	12.5	2.825495	5.0	667007.0	0.22604	Y
7	IC 410-663002/4	20.0	4.498578	5.0	768983.0	0.224929	Y
8	IC 410-663002/3	30.0	7.157011	5.0	650020.0	0.238567	Y



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Calibration / trans-Diallate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

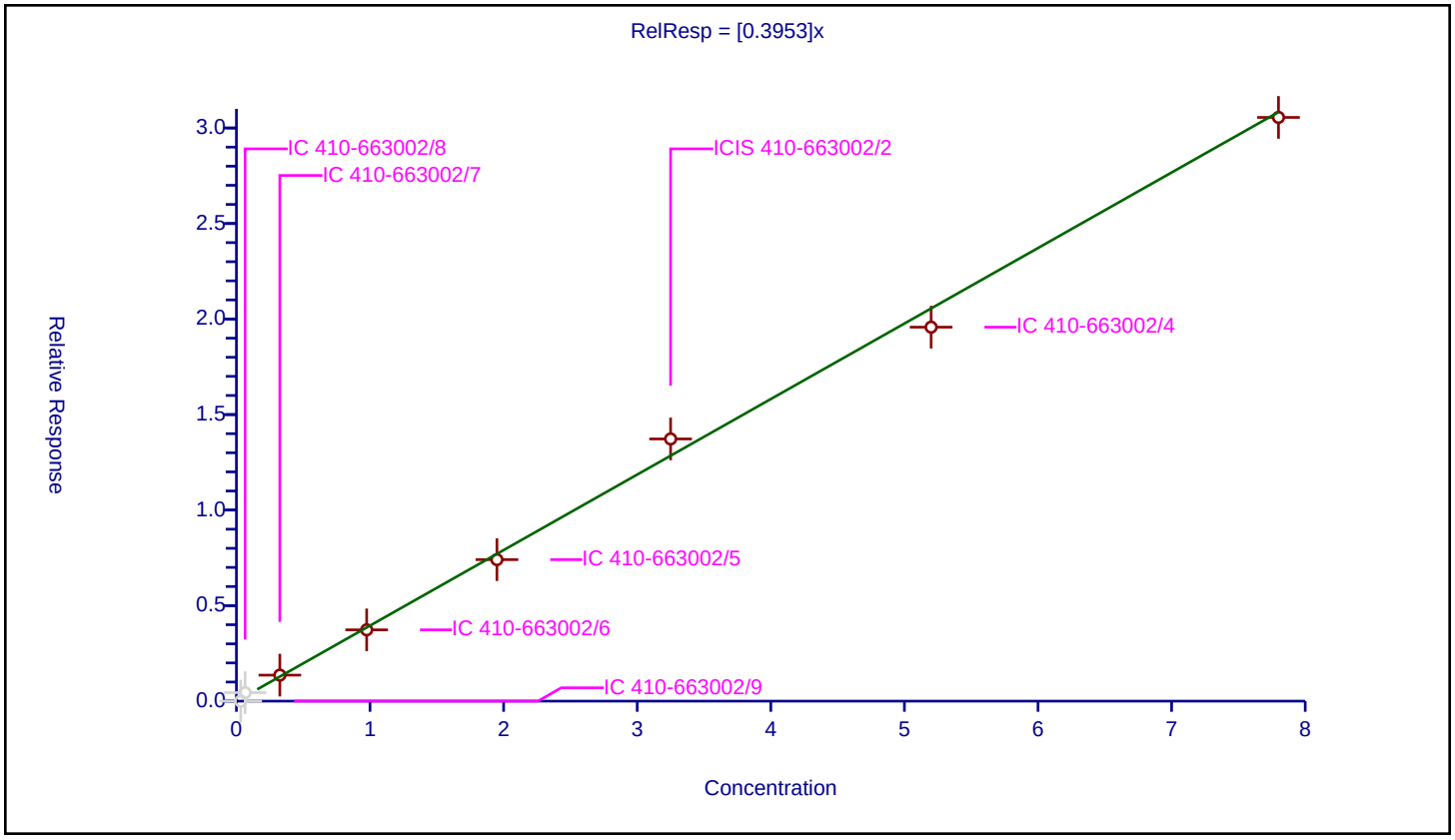
Curve Coefficients

Intercept:	0
Slope:	0.3953

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.0325	0.0	5.0	625812.0	0.0	N
2	IC 410-663002/8	0.065	0.044424	5.0	656733.0	0.683453	N
3	IC 410-663002/7	0.325	0.136101	5.0	644669.0	0.418772	Y
4	IC 410-663002/6	0.975	0.37317	5.0	668905.0	0.382738	Y
5	IC 410-663002/5	1.95	0.740629	5.0	624422.0	0.37981	Y
6	ICIS 410-663002/2	3.25	1.372429	5.0	667007.0	0.422286	Y
7	IC 410-663002/4	5.2	1.957501	5.0	768983.0	0.376443	Y
8	IC 410-663002/3	7.8	3.055329	5.0	650020.0	0.391709	Y



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Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

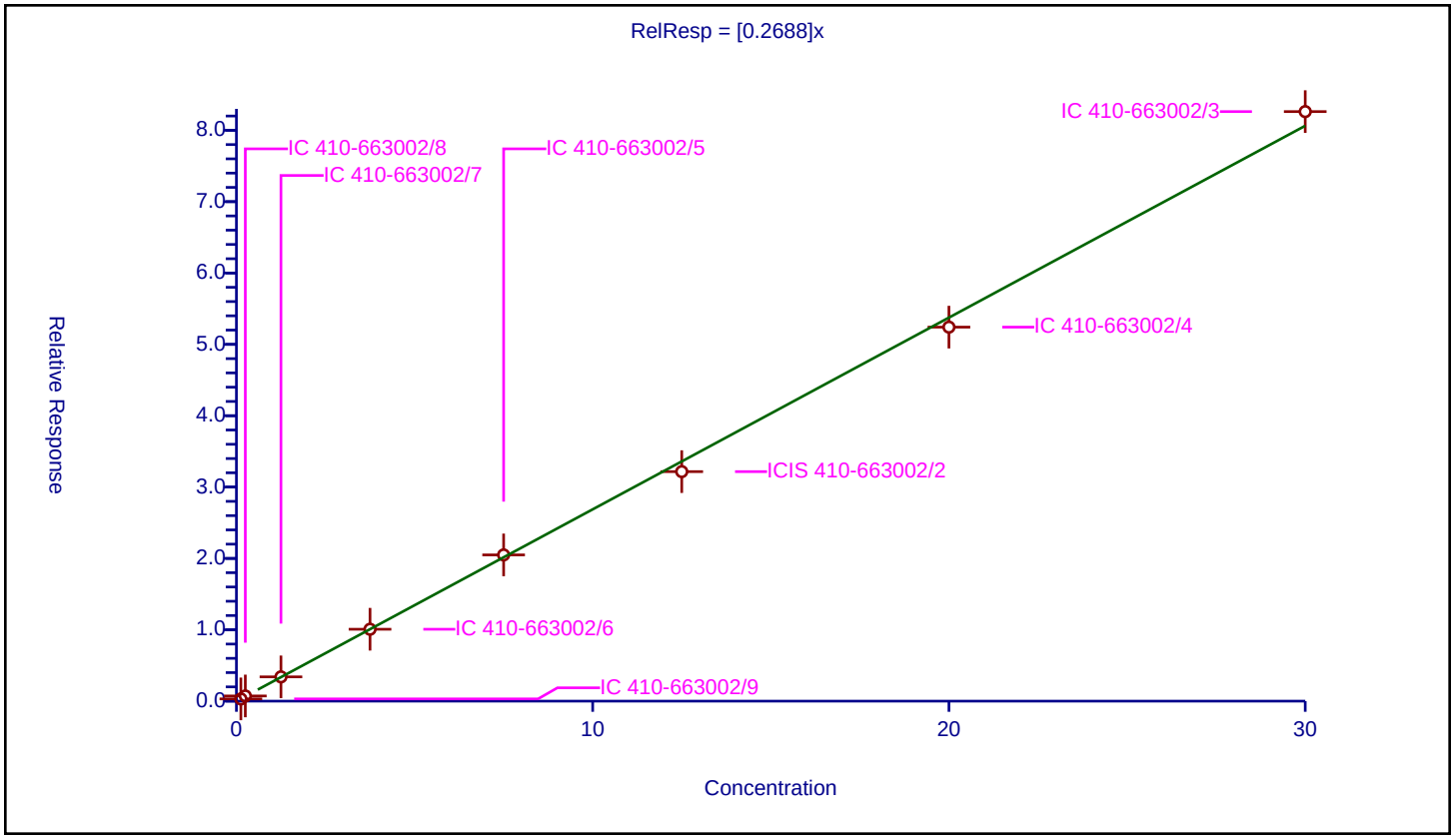
Curve Coefficients

Intercept:	0
Slope:	0.2688

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.031351	5.0	625812.0	0.25081	Y
2	IC 410-663002/8	0.25	0.072625	5.0	656733.0	0.290499	Y
3	IC 410-663002/7	1.25	0.340136	5.0	644669.0	0.272109	Y
4	IC 410-663002/6	3.75	1.007542	5.0	668905.0	0.268678	Y
5	IC 410-663002/5	7.5	2.049239	5.0	624422.0	0.273232	Y
6	ICIS 410-663002/2	12.5	3.2166	5.0	667007.0	0.257328	Y
7	IC 410-663002/4	20.0	5.241332	5.0	768983.0	0.262067	Y
8	IC 410-663002/3	30.0	8.261907	5.0	650020.0	0.275397	Y



Calibration / Dimethoate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

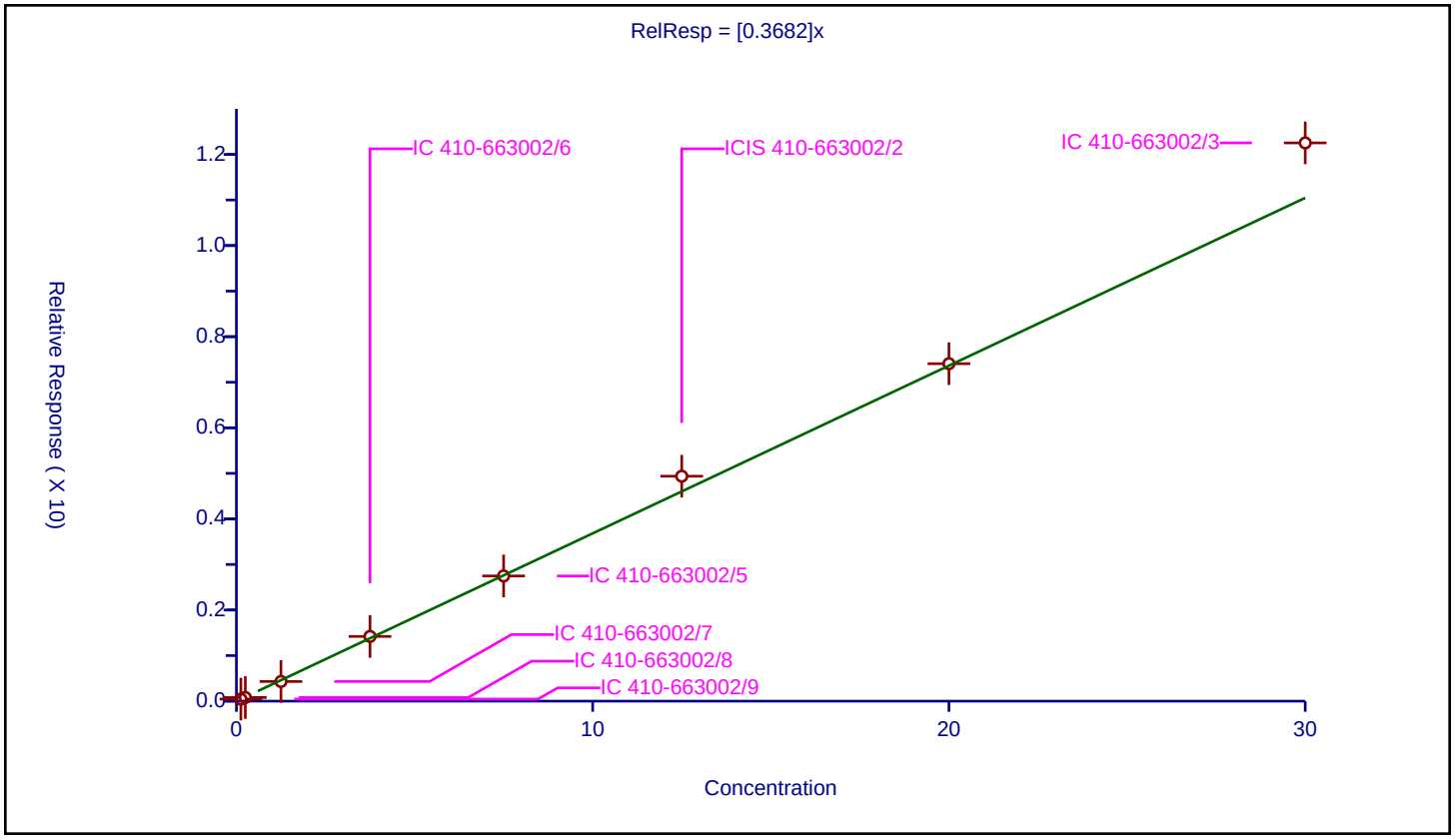
Curve Coefficients

Intercept:	0
Slope:	0.3682

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.045461	5.0	625812.0	0.363687	Y
2	IC 410-663002/8	0.25	0.079538	5.0	656733.0	0.318151	Y
3	IC 410-663002/7	1.25	0.431136	5.0	644669.0	0.344909	Y
4	IC 410-663002/6	3.75	1.420426	5.0	668905.0	0.37878	Y
5	IC 410-663002/5	7.5	2.748254	5.0	624422.0	0.366434	Y
6	ICIS 410-663002/2	12.5	4.937677	5.0	667007.0	0.395014	Y
7	IC 410-663002/4	20.0	7.407069	5.0	768983.0	0.370353	Y
8	IC 410-663002/3	30.0	12.253408	5.0	650020.0	0.408447	Y



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Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

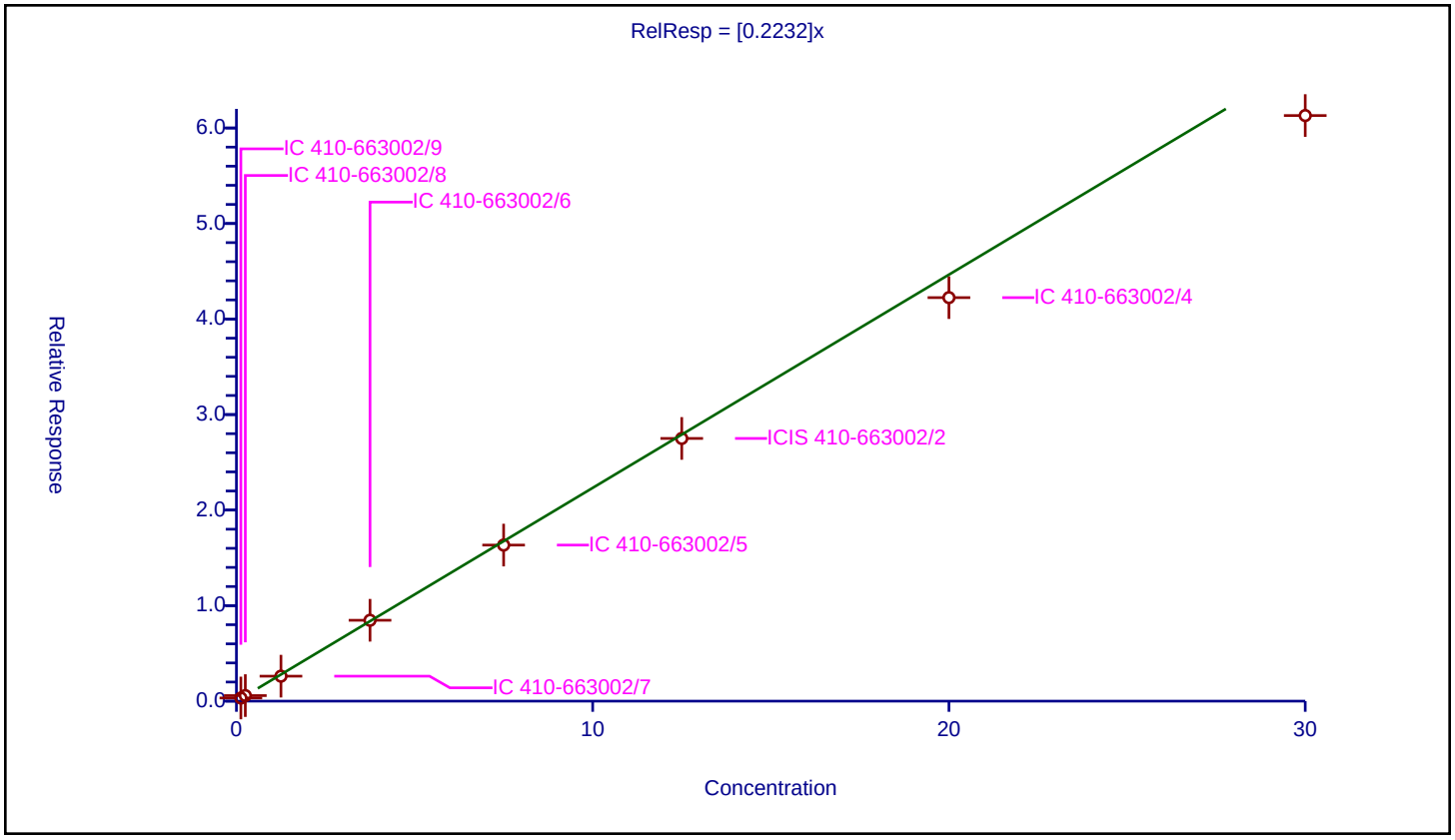
Curve Coefficients

Intercept:	0
Slope:	0.2232

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.033133	5.0	625812.0	0.265064	Y
2	IC 410-663002/8	0.25	0.058136	5.0	656733.0	0.232545	Y
3	IC 410-663002/7	1.25	0.261421	5.0	644669.0	0.209137	Y
4	IC 410-663002/6	3.75	0.846622	5.0	668905.0	0.225766	Y
5	IC 410-663002/5	7.5	1.633871	5.0	624422.0	0.217849	Y
6	ICIS 410-663002/2	12.5	2.750121	5.0	667007.0	0.22001	Y
7	IC 410-663002/4	20.0	4.224281	5.0	768983.0	0.211214	Y
8	IC 410-663002/3	30.0	6.13035	5.0	650020.0	0.204345	Y



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Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

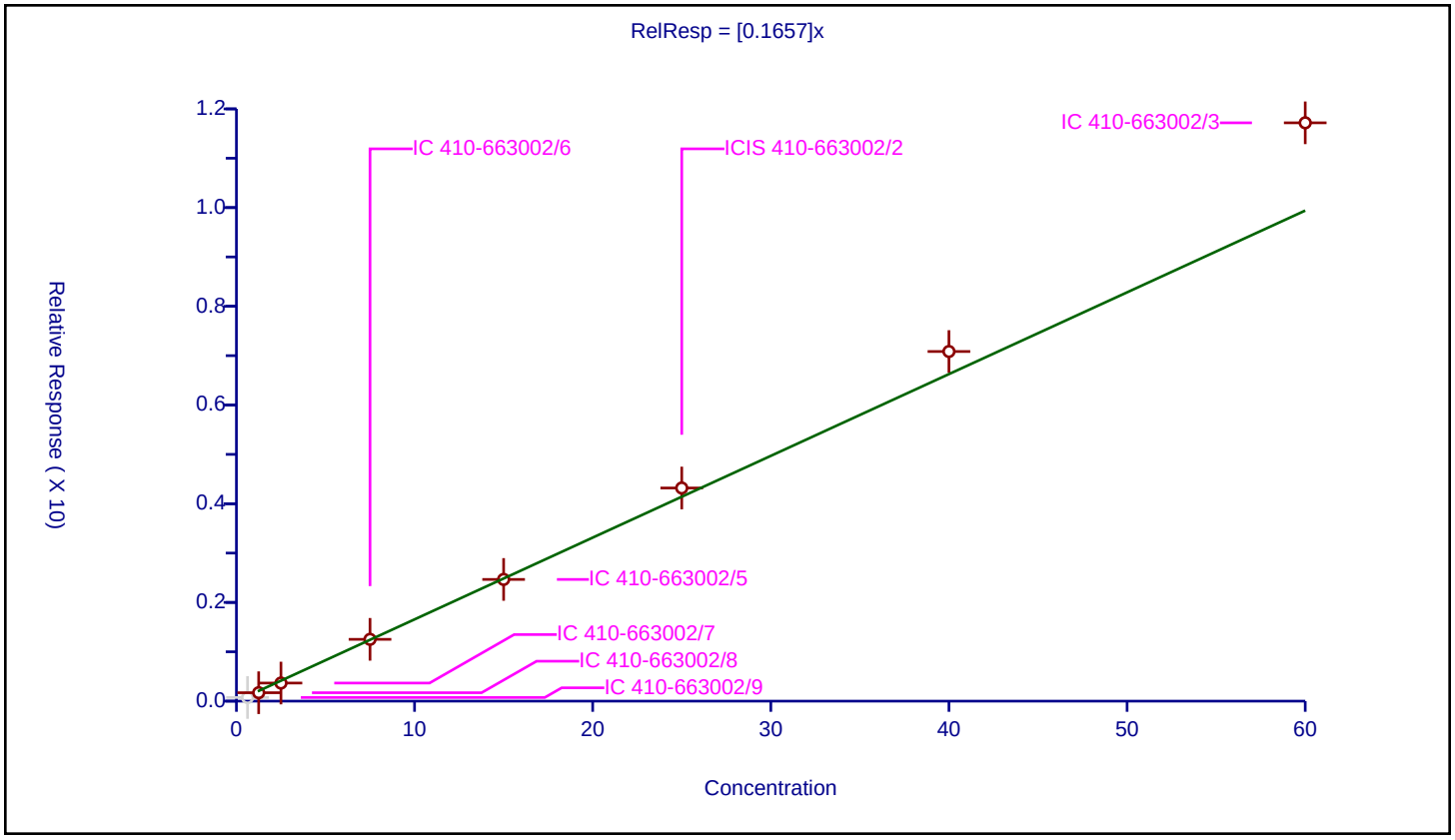
Curve Coefficients

Intercept:	0
Slope:	0.1657

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.625	0.073473	5.0	625812.0	0.117556	N
2	IC 410-663002/8	1.25	0.170678	5.0	656733.0	0.136543	Y
3	IC 410-663002/7	2.5	0.366467	5.0	644669.0	0.146587	Y
4	IC 410-663002/6	7.5	1.252031	5.0	668905.0	0.166938	Y
5	IC 410-663002/5	15.0	2.465816	5.0	624422.0	0.164388	Y
6	ICIS 410-663002/2	25.0	4.318523	5.0	667007.0	0.172741	Y
7	IC 410-663002/4	40.0	7.084344	5.0	768983.0	0.177109	Y
8	IC 410-663002/3	60.0	11.717747	5.0	650020.0	0.195296	Y



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Calibration / 4-Aminobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

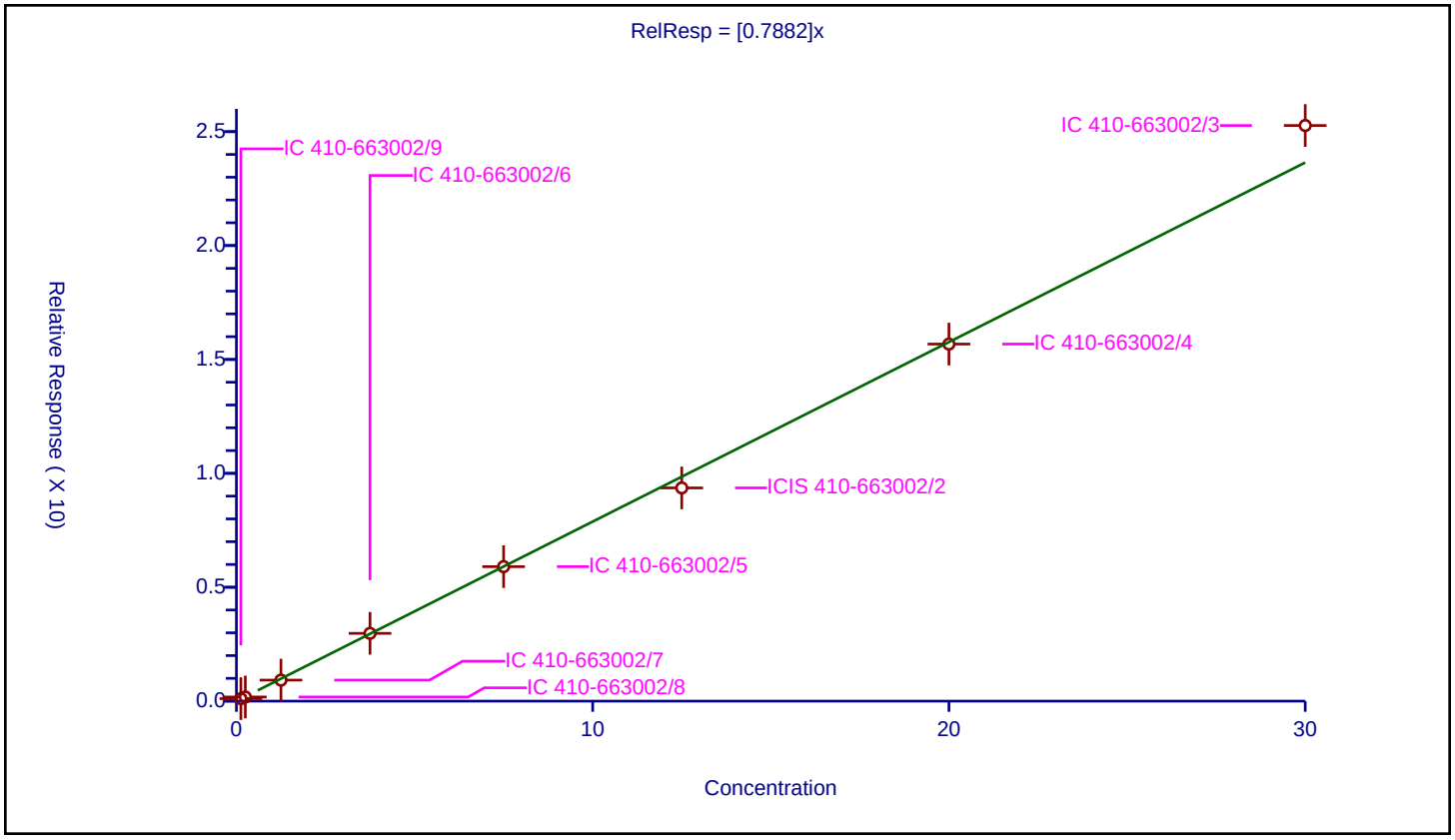
Curve Coefficients

Intercept:	0
Slope:	0.7882

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.110425	5.0	625812.0	0.883396	Y
2	IC 410-663002/8	0.25	0.182015	5.0	656733.0	0.728058	Y
3	IC 410-663002/7	1.25	0.923032	5.0	644669.0	0.738425	Y
4	IC 410-663002/6	3.75	2.975243	5.0	668905.0	0.793398	Y
5	IC 410-663002/5	7.5	5.903732	5.0	624422.0	0.787164	Y
6	ICIS 410-663002/2	12.5	9.359842	5.0	667007.0	0.748787	Y
7	IC 410-663002/4	20.0	15.675308	5.0	768983.0	0.783765	Y
8	IC 410-663002/3	30.0	25.270161	5.0	650020.0	0.842339	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

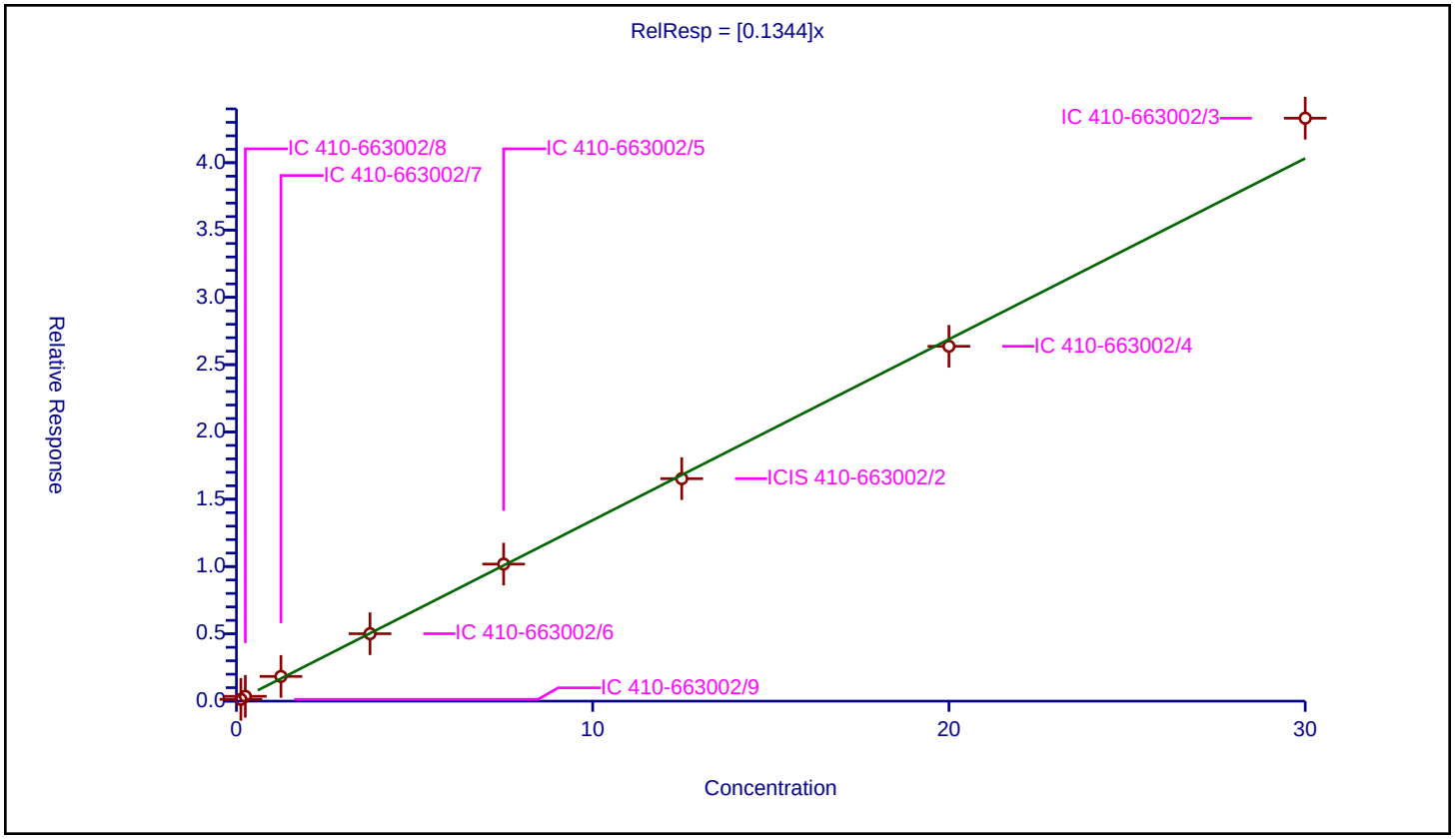
Curve Coefficients

Intercept:	0
Slope:	0.1344

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.013407	5.0	625812.0	0.107253	Y
2	IC 410-663002/8	0.25	0.03589	5.0	656733.0	0.143559	Y
3	IC 410-663002/7	1.25	0.183458	5.0	644669.0	0.146767	Y
4	IC 410-663002/6	3.75	0.500901	5.0	668905.0	0.133574	Y
5	IC 410-663002/5	7.5	1.018078	5.0	624422.0	0.135744	Y
6	ICIS 410-663002/2	12.5	1.652996	5.0	667007.0	0.13224	Y
7	IC 410-663002/4	20.0	2.636261	5.0	768983.0	0.131813	Y
8	IC 410-663002/3	30.0	4.330821	5.0	650020.0	0.144361	Y



Calibration / Pronamide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

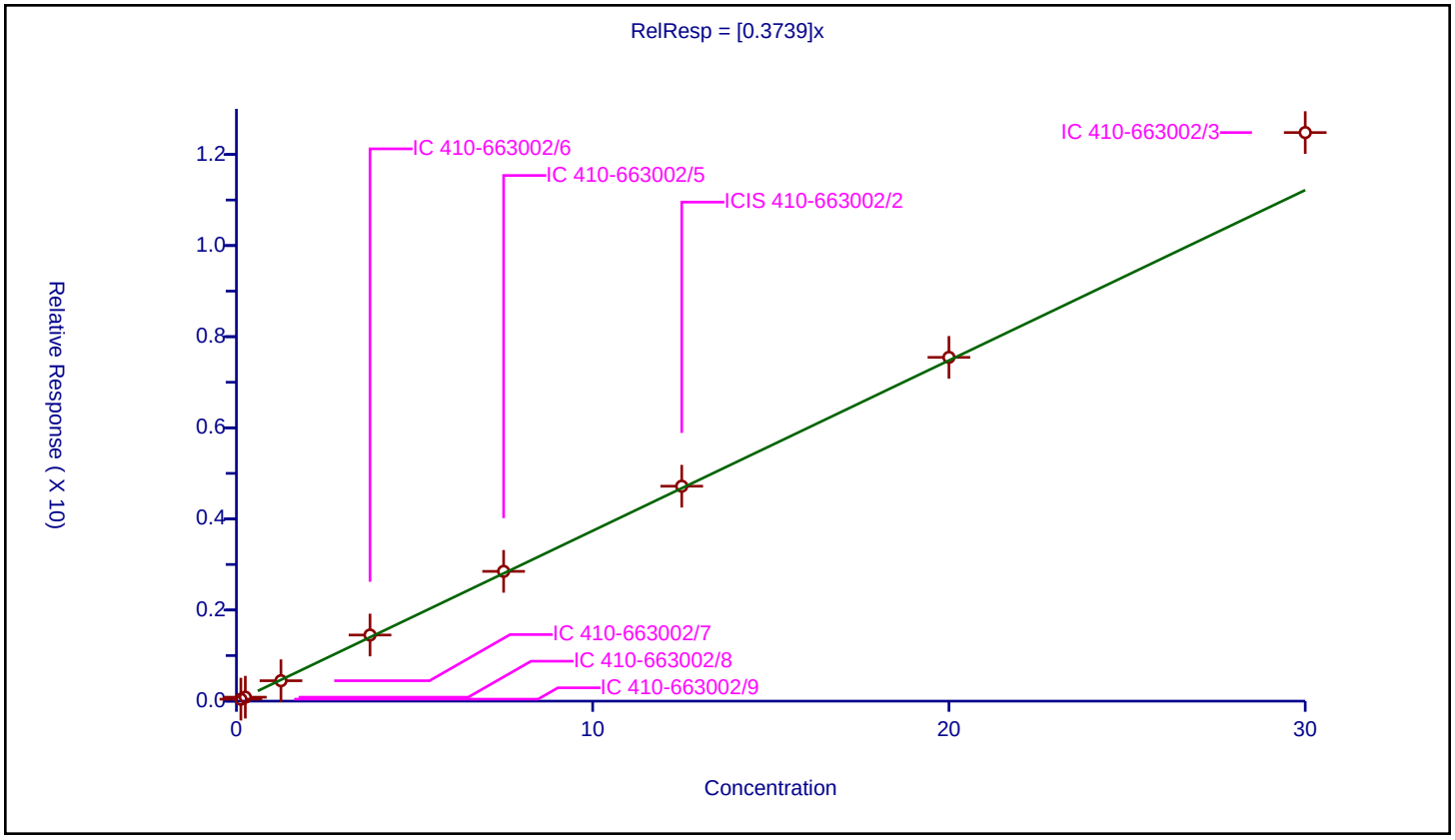
Curve Coefficients

Intercept:	0
Slope:	0.3739

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.043663	5.0	625812.0	0.349306	Y
2	IC 410-663002/8	0.25	0.086527	5.0	656733.0	0.346107	Y
3	IC 410-663002/7	1.25	0.447881	5.0	644669.0	0.358305	Y
4	IC 410-663002/6	3.75	1.451342	5.0	668905.0	0.387025	Y
5	IC 410-663002/5	7.5	2.848634	5.0	624422.0	0.379818	Y
6	ICIS 410-663002/2	12.5	4.718286	5.0	667007.0	0.377463	Y
7	IC 410-663002/4	20.0	7.545921	5.0	768983.0	0.377296	Y
8	IC 410-663002/3	30.0	12.480401	5.0	650020.0	0.416013	Y



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Calibration / Dinoseb

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

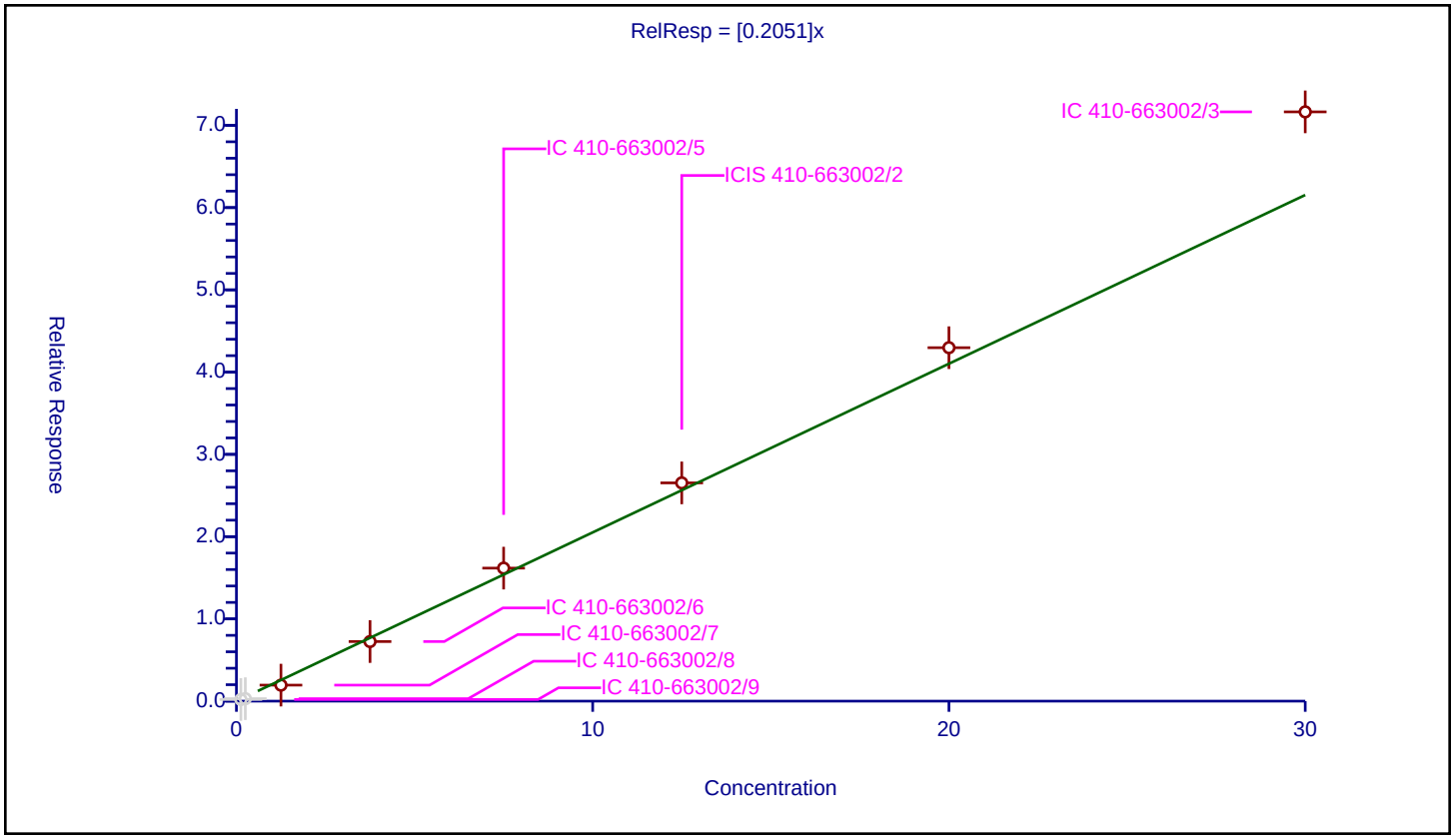
Curve Coefficients

Intercept:	0
Slope:	0.2051

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.020214	5.0	625812.0	0.16171	N
2	IC 410-663002/8	0.25	0.029913	5.0	656733.0	0.119653	N
3	IC 410-663002/7	1.25	0.194883	5.0	644669.0	0.155906	Y
4	IC 410-663002/6	3.75	0.72458	5.0	668905.0	0.193221	Y
5	IC 410-663002/5	7.5	1.617015	5.0	624422.0	0.215602	Y
6	ICIS 410-663002/2	12.5	2.653428	5.0	667007.0	0.212274	Y
7	IC 410-663002/4	20.0	4.296812	5.0	768983.0	0.214841	Y
8	IC 410-663002/3	30.0	7.163733	5.0	650020.0	0.238791	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

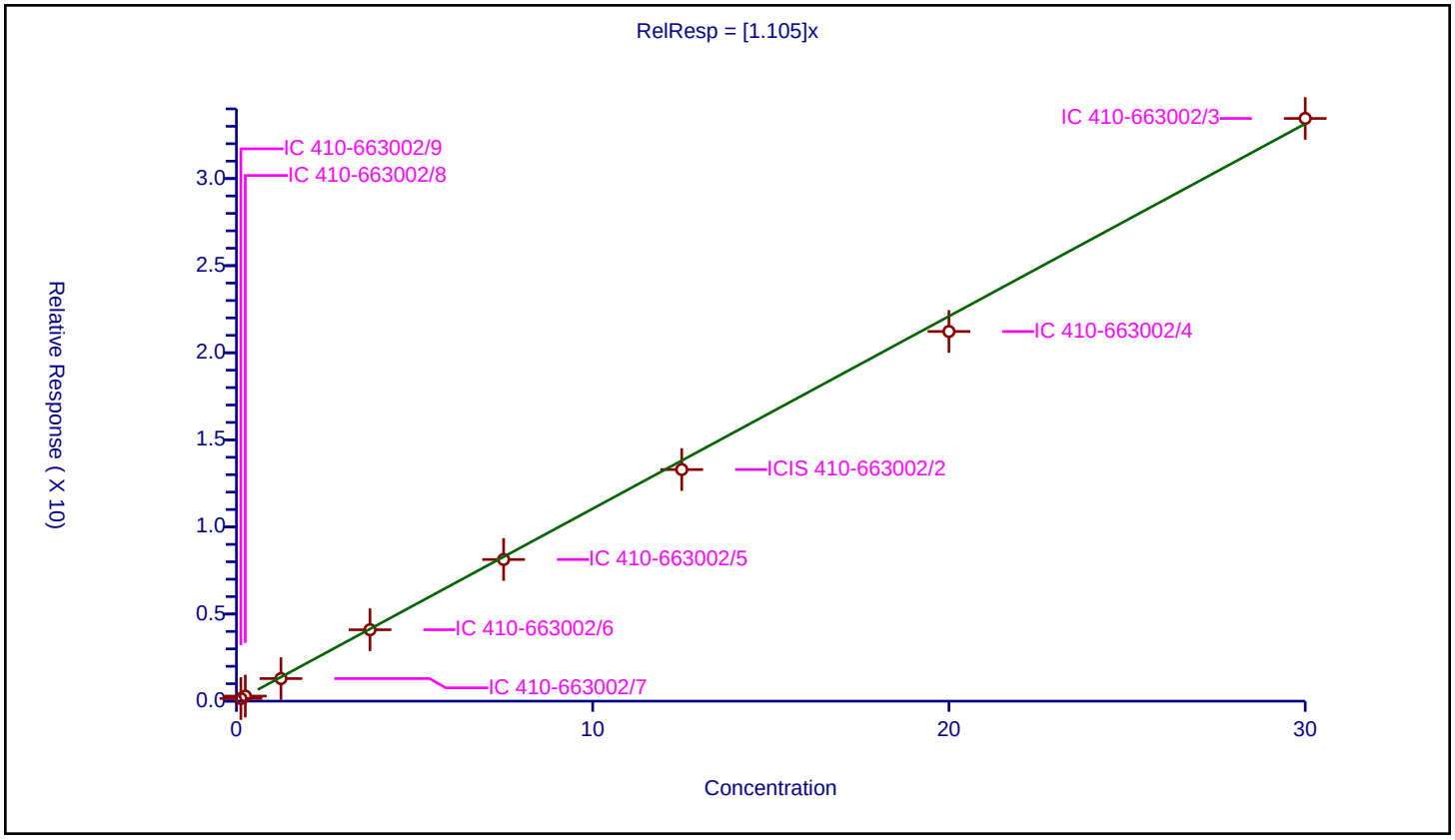
Curve Coefficients

Intercept:	0
Slope:	1.105

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.152266	5.0	625812.0	1.218129	Y
2	IC 410-663002/8	0.25	0.291648	5.0	656733.0	1.166593	Y
3	IC 410-663002/7	1.25	1.296154	5.0	644669.0	1.036923	Y
4	IC 410-663002/6	3.75	4.098893	5.0	668905.0	1.093038	Y
5	IC 410-663002/5	7.5	8.130063	5.0	624422.0	1.084008	Y
6	ICIS 410-663002/2	12.5	13.293616	5.0	667007.0	1.063489	Y
7	IC 410-663002/4	20.0	21.221665	5.0	768983.0	1.061083	Y
8	IC 410-663002/3	30.0	33.451178	5.0	650020.0	1.115039	Y



Calibration / Disulfoton

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

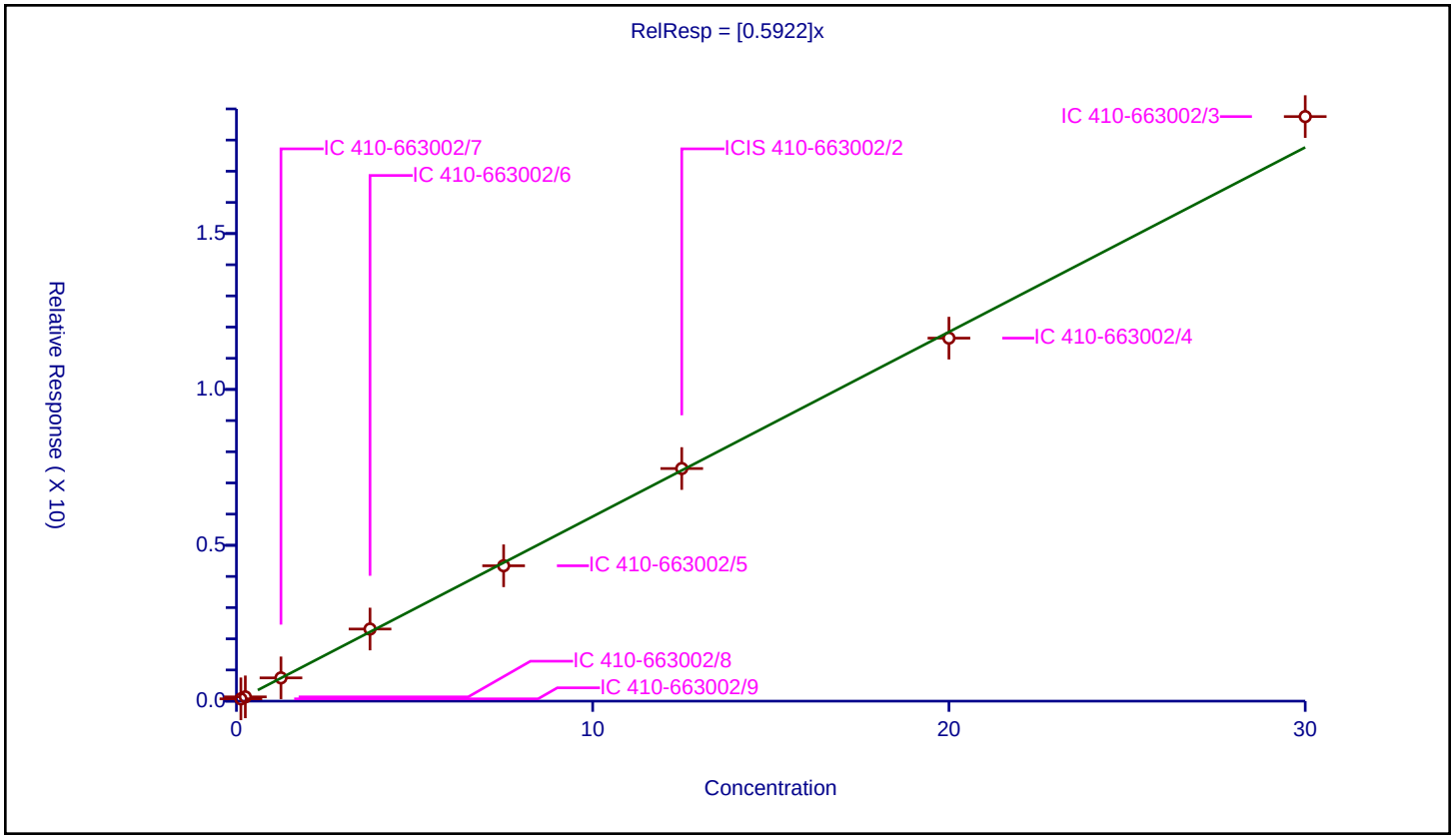
Curve Coefficients

Intercept:	0
Slope:	0.5922

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.07388	5.0	625812.0	0.59104	Y
2	IC 410-663002/8	0.25	0.137369	5.0	656733.0	0.549477	Y
3	IC 410-663002/7	1.25	0.746011	5.0	644669.0	0.596809	Y
4	IC 410-663002/6	3.75	2.313258	5.0	668905.0	0.616869	Y
5	IC 410-663002/5	7.5	4.342864	5.0	624422.0	0.579049	Y
6	ICIS 410-663002/2	12.5	7.46268	5.0	667007.0	0.597014	Y
7	IC 410-663002/4	20.0	11.645862	5.0	768983.0	0.582293	Y
8	IC 410-663002/3	30.0	18.752769	5.0	650020.0	0.625092	Y



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Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

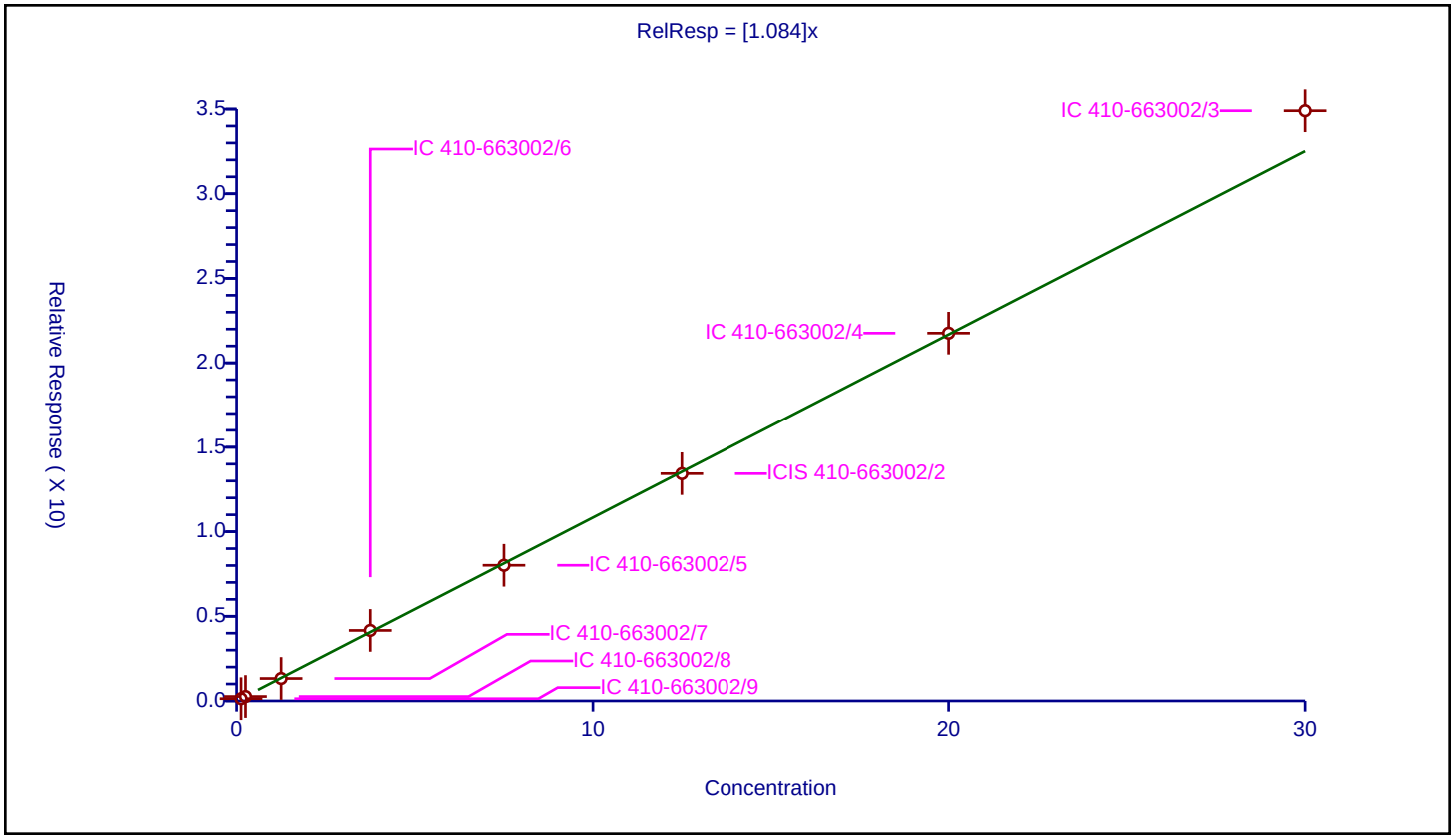
Curve Coefficients

Intercept:	0
Slope:	1.084

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.133467	5.0	625812.0	1.067733	Y
2	IC 410-663002/8	0.25	0.25974	5.0	656733.0	1.038961	Y
3	IC 410-663002/7	1.25	1.324028	5.0	644669.0	1.059223	Y
4	IC 410-663002/6	3.75	4.16382	5.0	668905.0	1.110352	Y
5	IC 410-663002/5	7.5	8.013891	5.0	624422.0	1.068519	Y
6	ICIS 410-663002/2	12.5	13.437378	5.0	667007.0	1.07499	Y
7	IC 410-663002/4	20.0	21.758921	5.0	768983.0	1.087946	Y
8	IC 410-663002/3	30.0	34.900834	5.0	650020.0	1.163361	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

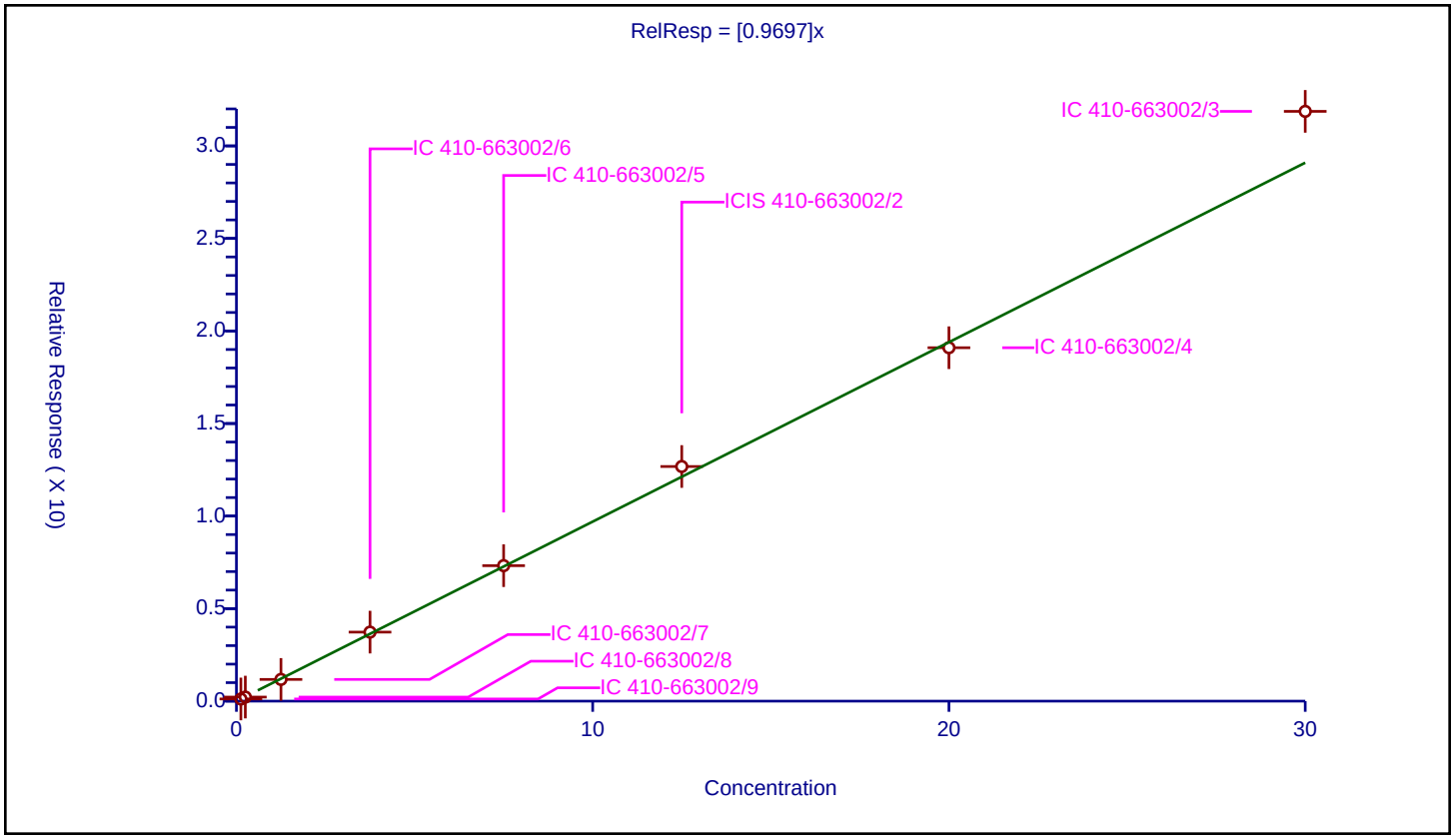
Curve Coefficients

Intercept:	0
Slope:	0.9697

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.117264	5.0	625812.0	0.938109	Y
2	IC 410-663002/8	0.25	0.219876	5.0	656733.0	0.879505	Y
3	IC 410-663002/7	1.25	1.173176	5.0	644669.0	0.938541	Y
4	IC 410-663002/6	3.75	3.72958	5.0	668905.0	0.994555	Y
5	IC 410-663002/5	7.5	7.319737	5.0	624422.0	0.975965	Y
6	ICIS 410-663002/2	12.5	12.676951	5.0	667007.0	1.014156	Y
7	IC 410-663002/4	20.0	19.095507	5.0	768983.0	0.954775	Y
8	IC 410-663002/3	30.0	31.866635	5.0	650020.0	1.062221	Y



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Calibration / Methyl parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

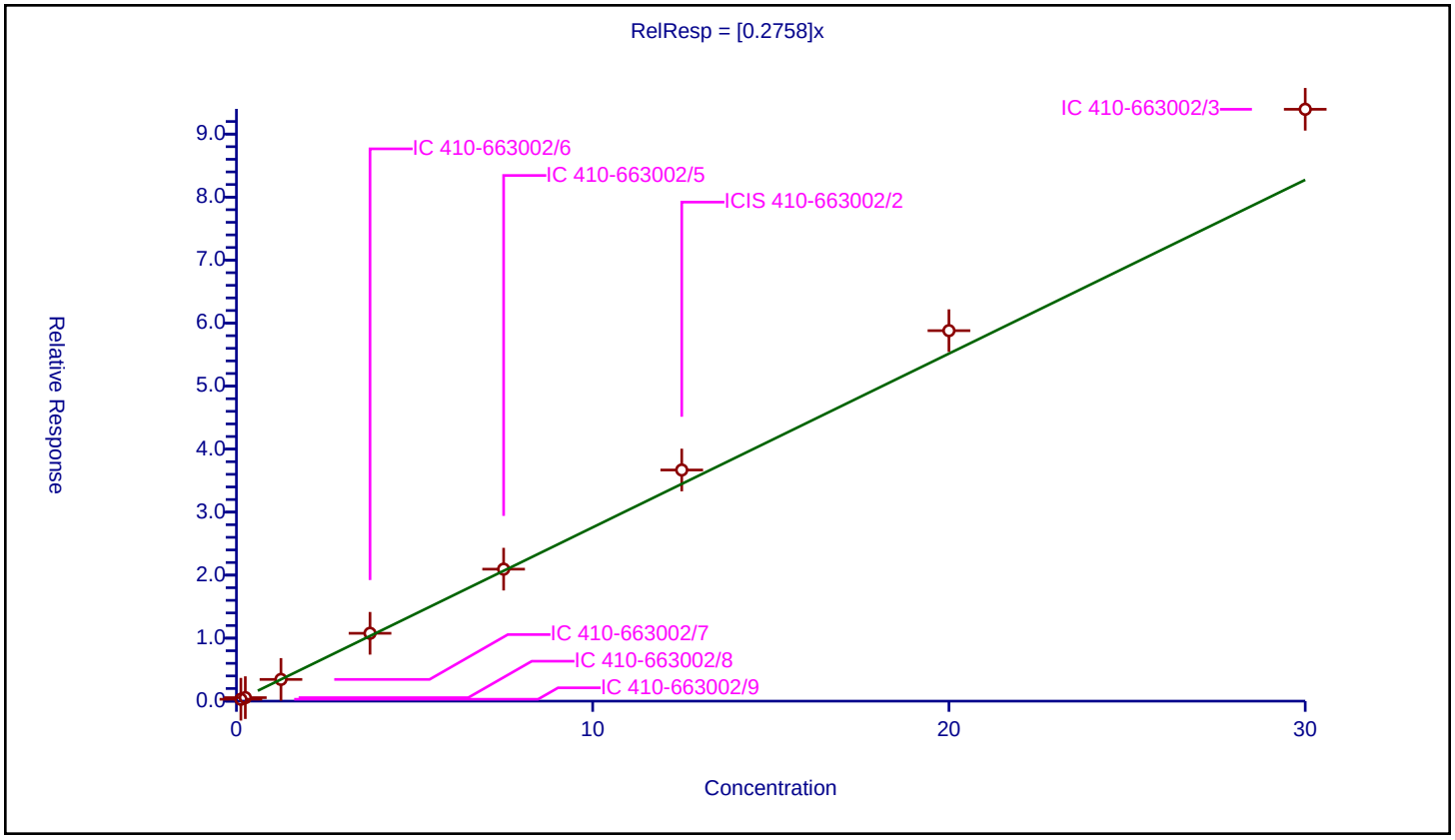
Curve Coefficients

Intercept:	0
Slope:	0.2758

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.030073	5.0	625812.0	0.240583	Y
2	IC 410-663002/8	0.25	0.055761	5.0	656733.0	0.223043	Y
3	IC 410-663002/7	1.25	0.344526	5.0	644669.0	0.275621	Y
4	IC 410-663002/6	3.75	1.076939	5.0	668905.0	0.287184	Y
5	IC 410-663002/5	7.5	2.094945	5.0	624422.0	0.279326	Y
6	ICIS 410-663002/2	12.5	3.668702	5.0	667007.0	0.293496	Y
7	IC 410-663002/4	20.0	5.880397	5.0	768983.0	0.29402	Y
8	IC 410-663002/3	30.0	9.393503	5.0	650020.0	0.313117	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

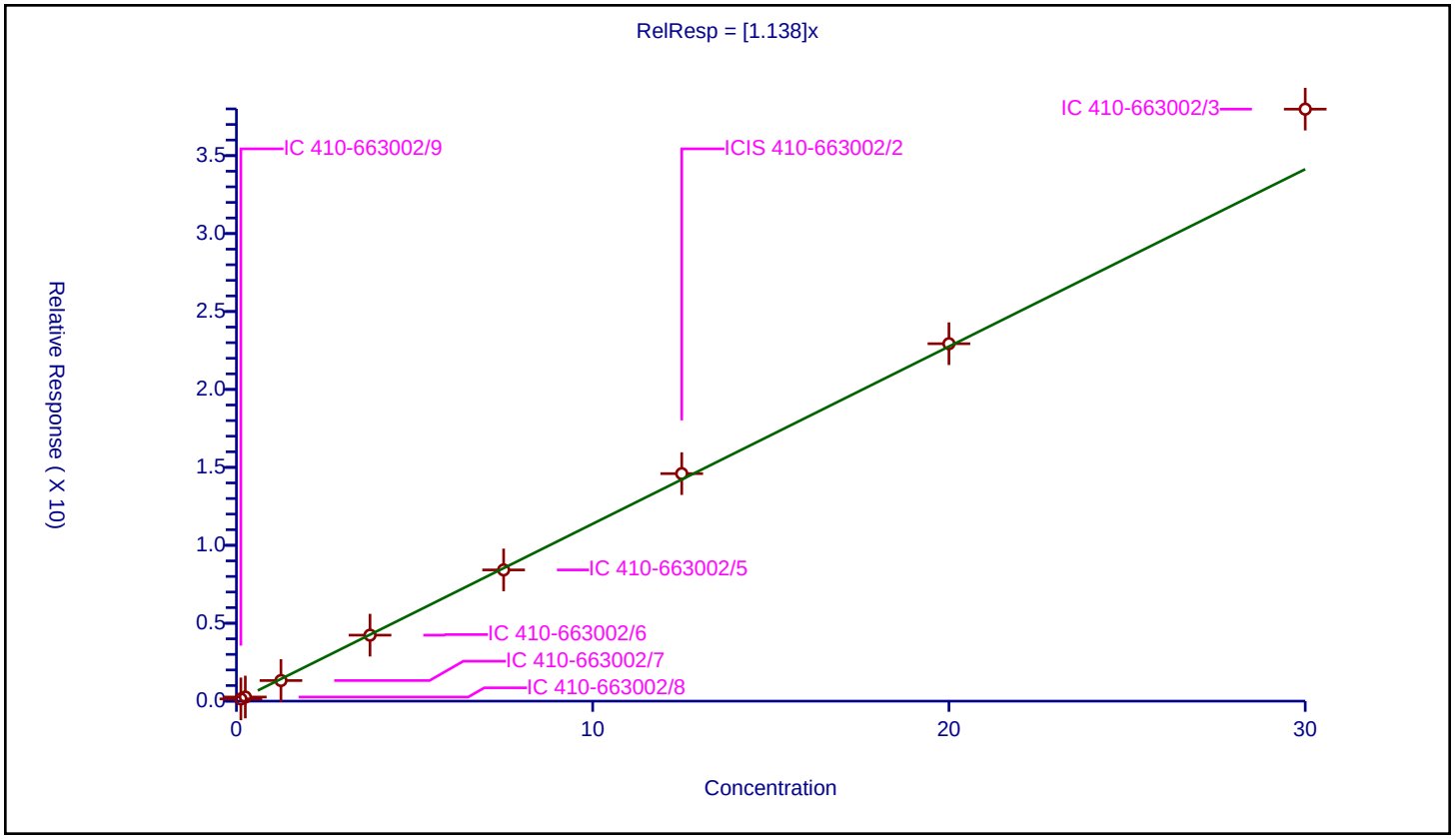
Curve Coefficients

Intercept:	0
Slope:	1.138

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.144197	5.0	625812.0	1.153573	Y
2	IC 410-663002/8	0.25	0.264697	5.0	656733.0	1.058786	Y
3	IC 410-663002/7	1.25	1.321058	5.0	644669.0	1.056846	Y
4	IC 410-663002/6	3.75	4.234144	5.0	668905.0	1.129105	Y
5	IC 410-663002/5	7.5	8.418073	5.0	624422.0	1.12241	Y
6	ICIS 410-663002/2	12.5	14.59813	5.0	667007.0	1.16785	Y
7	IC 410-663002/4	20.0	22.933764	5.0	768983.0	1.146688	Y
8	IC 410-663002/3	30.0	37.982231	5.0	650020.0	1.266074	Y



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Calibration / Ethyl Parathion

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

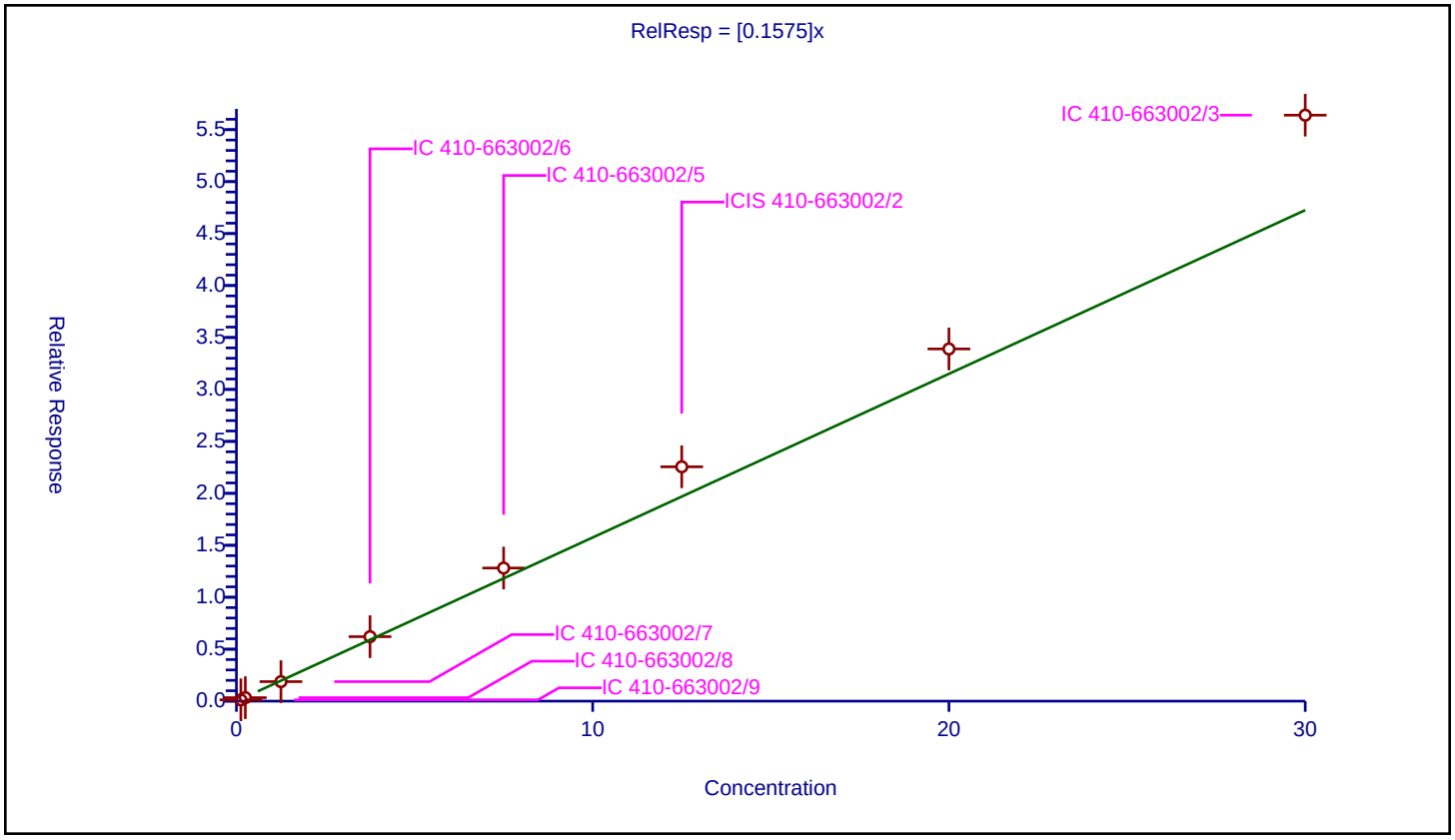
Curve Coefficients

Intercept:	0
Slope:	0.1575

Error Coefficients

Relative Standard Deviation:	17.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.012711	5.0	625812.0	0.101692	Y
2	IC 410-663002/8	0.25	0.033522	5.0	656733.0	0.134088	Y
3	IC 410-663002/7	1.25	0.187716	5.0	644669.0	0.150173	Y
4	IC 410-663002/6	3.75	0.620372	5.0	668905.0	0.165433	Y
5	IC 410-663002/5	7.5	1.281097	5.0	624422.0	0.170813	Y
6	ICIS 410-663002/2	12.5	2.255321	5.0	667007.0	0.180426	Y
7	IC 410-663002/4	20.0	3.389555	5.0	768983.0	0.169478	Y
8	IC 410-663002/3	30.0	5.63945	5.0	650020.0	0.187982	Y



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Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

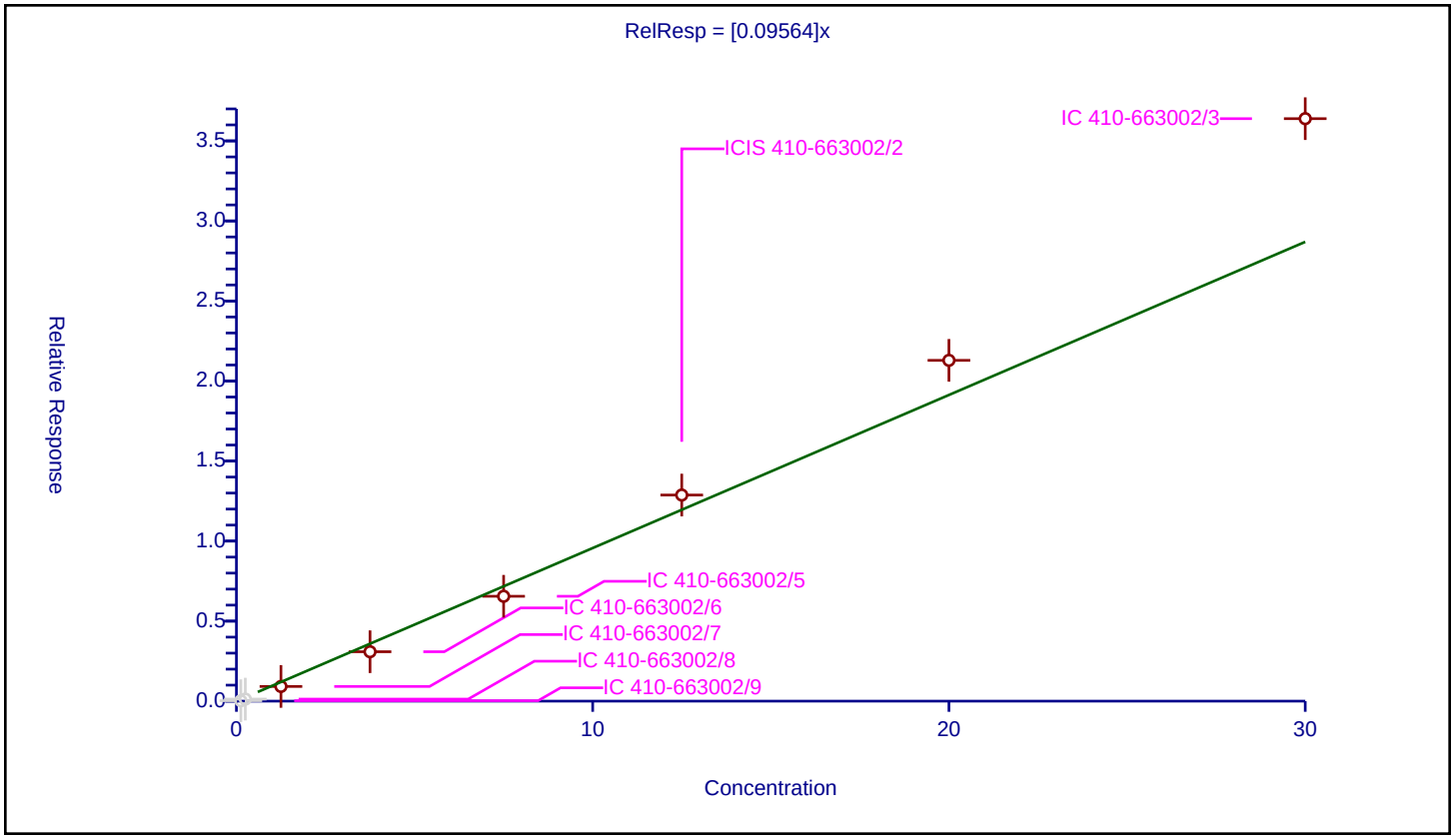
Curve Coefficients

Intercept:	0
Slope:	0.09564

Error Coefficients

Relative Standard Deviation:	18.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.00282	5.0	625812.0	0.022563	N
2	IC 410-663002/8	0.25	0.012745	5.0	656733.0	0.05098	N
3	IC 410-663002/7	1.25	0.09176	5.0	644669.0	0.073408	Y
4	IC 410-663002/6	3.75	0.308676	5.0	668905.0	0.082314	Y
5	IC 410-663002/5	7.5	0.655158	5.0	624422.0	0.087354	Y
6	ICIS 410-663002/2	12.5	1.28761	5.0	667007.0	0.103009	Y
7	IC 410-663002/4	20.0	2.129059	5.0	768983.0	0.106453	Y
8	IC 410-663002/3	30.0	3.638973	5.0	650020.0	0.121299	Y



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Calibration / Octachlorostyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

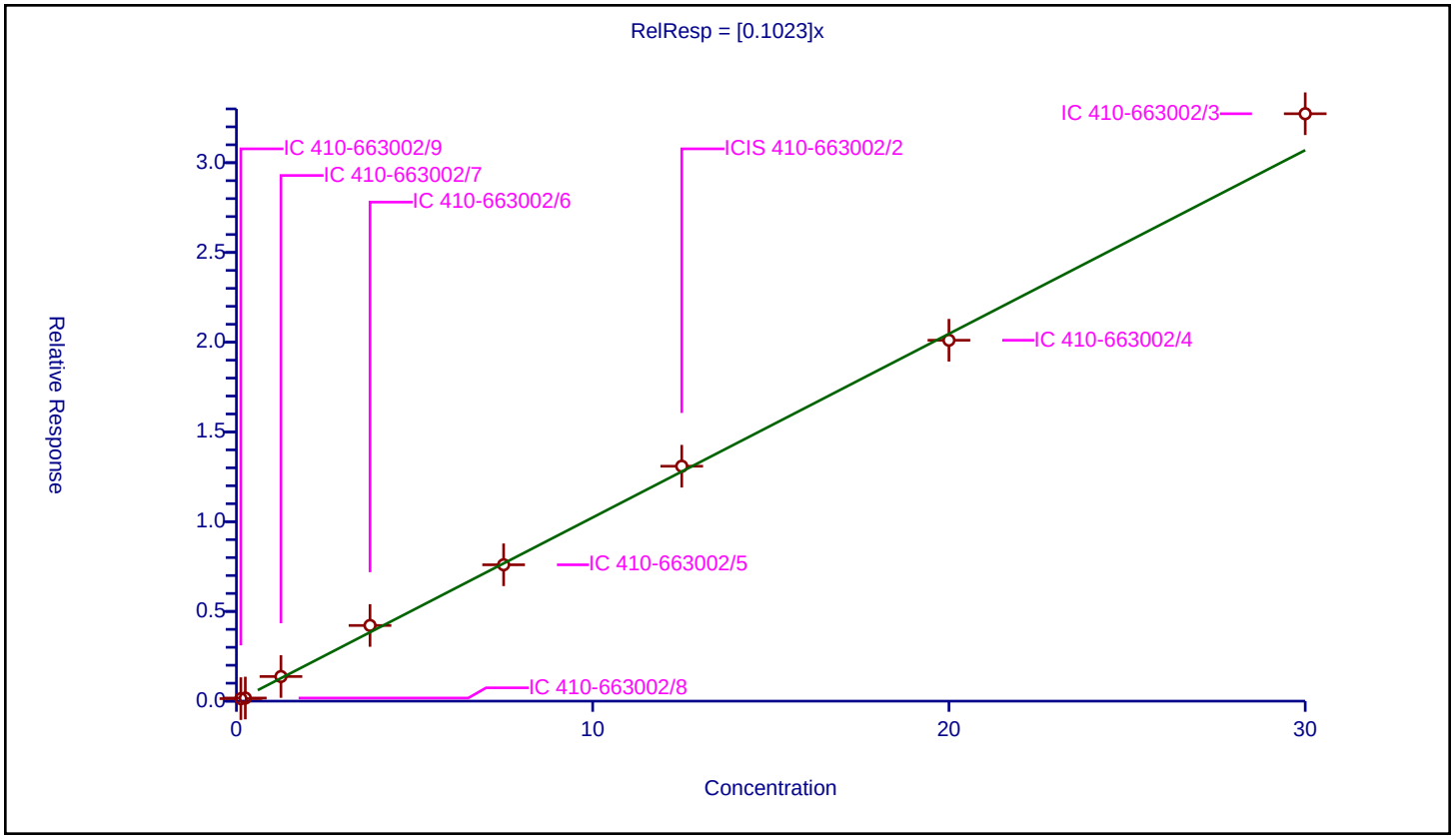
Curve Coefficients

Intercept:	0
Slope:	0.1023

Error Coefficients

Relative Standard Deviation:	13.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.013998	5.0	625812.0	0.111983	Y
2	IC 410-663002/8	0.25	0.017222	5.0	656733.0	0.068886	Y
3	IC 410-663002/7	1.25	0.137132	5.0	644669.0	0.109706	Y
4	IC 410-663002/6	3.75	0.421622	5.0	668905.0	0.112433	Y
5	IC 410-663002/5	7.5	0.759799	5.0	624422.0	0.101306	Y
6	ICIS 410-663002/2	12.5	1.308952	5.0	667007.0	0.104716	Y
7	IC 410-663002/4	20.0	2.010968	5.0	768983.0	0.100548	Y
8	IC 410-663002/3	30.0	3.273015	5.0	650020.0	0.1091	Y



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Calibration / Isodrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

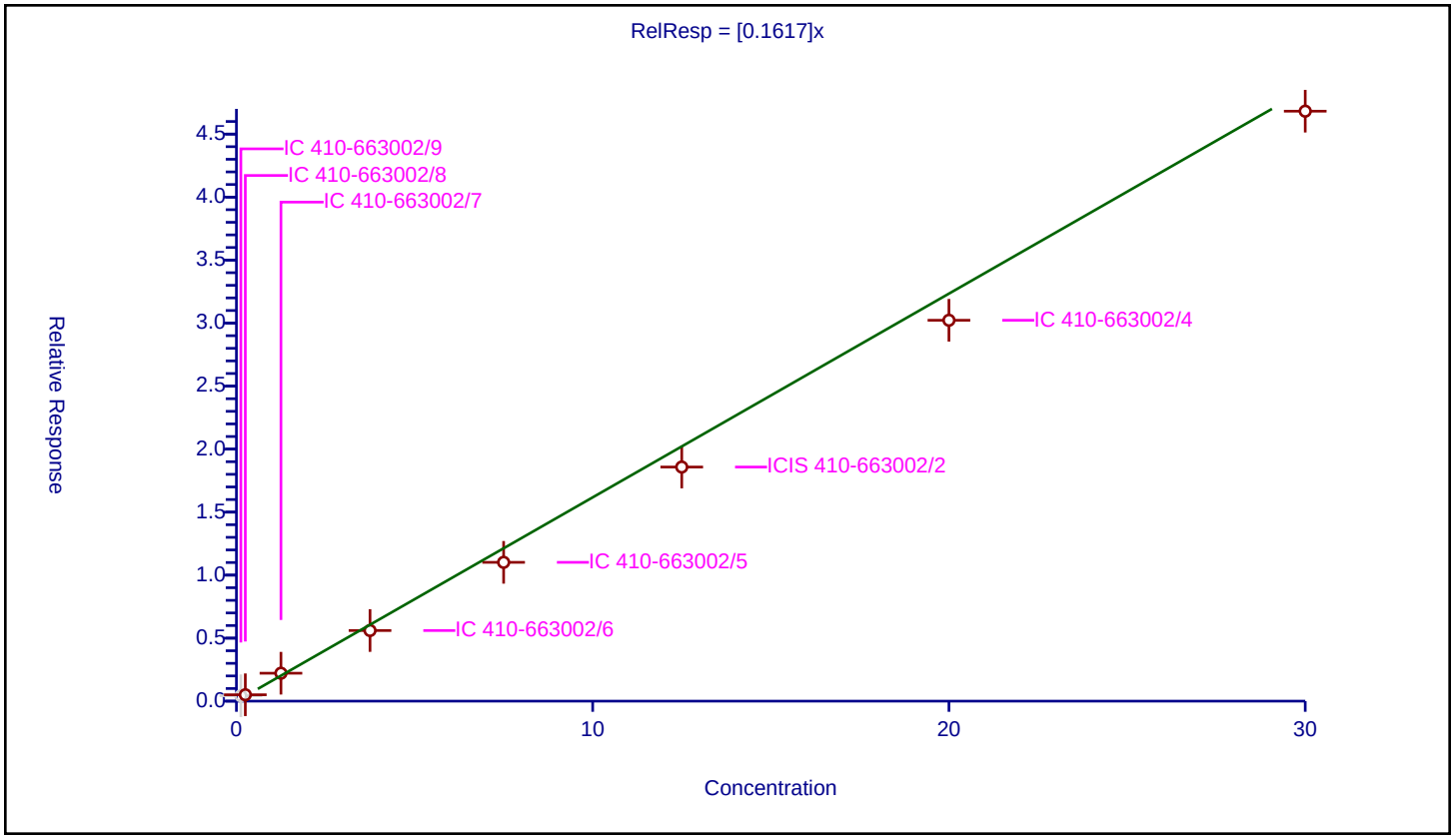
Curve Coefficients

Intercept:	0
Slope:	0.1617

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.04276	5.0	625812.0	0.342084	N
2	IC 410-663002/8	0.25	0.050614	5.0	656733.0	0.202457	Y
3	IC 410-663002/7	1.25	0.221618	5.0	644669.0	0.177294	Y
4	IC 410-663002/6	3.75	0.560349	5.0	668905.0	0.149426	Y
5	IC 410-663002/5	7.5	1.101587	5.0	624422.0	0.146878	Y
6	ICIS 410-663002/2	12.5	1.857852	5.0	667007.0	0.148628	Y
7	IC 410-663002/4	20.0	3.022596	5.0	768983.0	0.15113	Y
8	IC 410-663002/3	30.0	4.681864	5.0	650020.0	0.156062	Y



Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

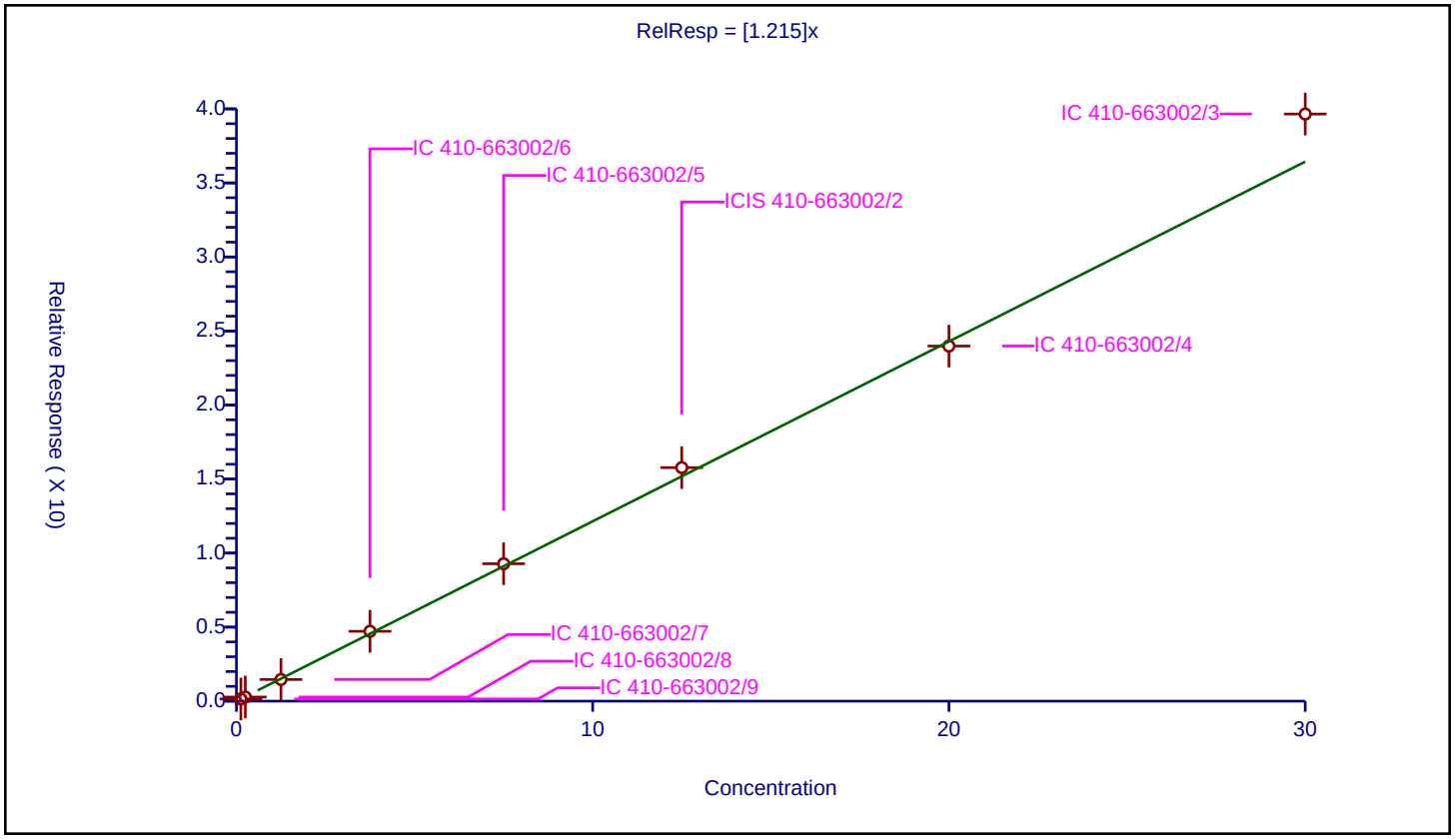
Curve Coefficients

Intercept:	0
Slope:	1.215

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.145803	5.0	625812.0	1.166421	Y
2	IC 410-663002/8	0.25	0.275546	5.0	656733.0	1.102183	Y
3	IC 410-663002/7	1.25	1.462161	5.0	644669.0	1.169729	Y
4	IC 410-663002/6	3.75	4.717441	5.0	668905.0	1.257984	Y
5	IC 410-663002/5	7.5	9.279598	5.0	624422.0	1.23728	Y
6	ICIS 410-663002/2	12.5	15.771154	5.0	667007.0	1.261692	Y
7	IC 410-663002/4	20.0	23.981694	5.0	768983.0	1.199085	Y
8	IC 410-663002/3	30.0	39.651242	5.0	650020.0	1.321708	Y



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Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

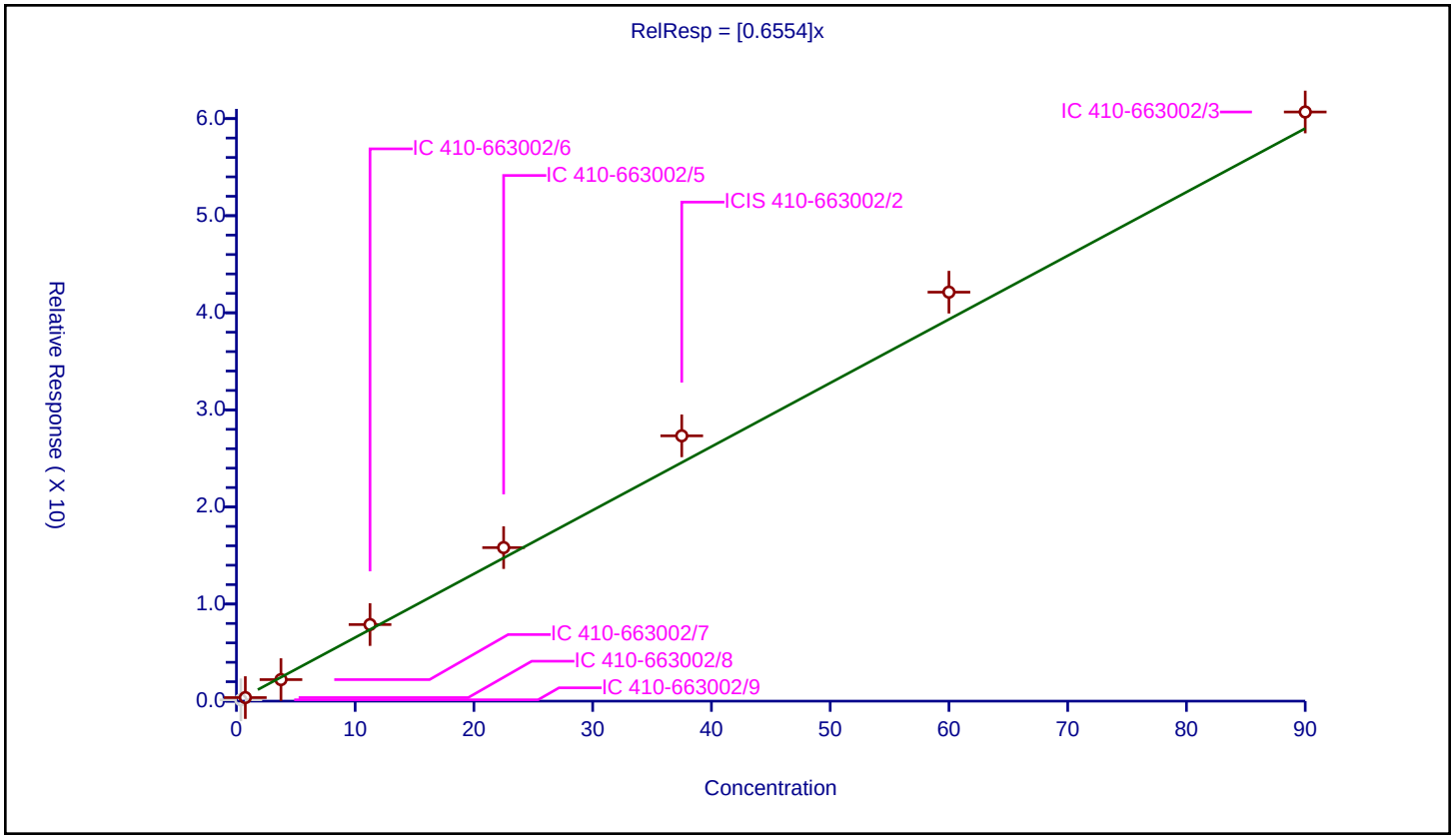
Curve Coefficients

Intercept:	0
Slope:	0.6554

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.375	0.137713	5.0	660830.0	0.367235	N
2	IC 410-663002/8	0.75	0.365294	5.0	703775.0	0.487059	Y
3	IC 410-663002/7	3.75	2.218728	5.0	705136.0	0.591661	Y
4	IC 410-663002/6	11.25	7.887823	5.0	720496.0	0.70114	Y
5	IC 410-663002/5	22.5	15.813798	5.0	681508.0	0.702835	Y
6	ICIS 410-663002/2	37.5	27.327566	5.0	725580.0	0.728735	Y
7	IC 410-663002/4	60.0	42.123621	5.0	805087.0	0.70206	Y
8	IC 410-663002/3	90.0	60.682409	5.0	698393.0	0.674249	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

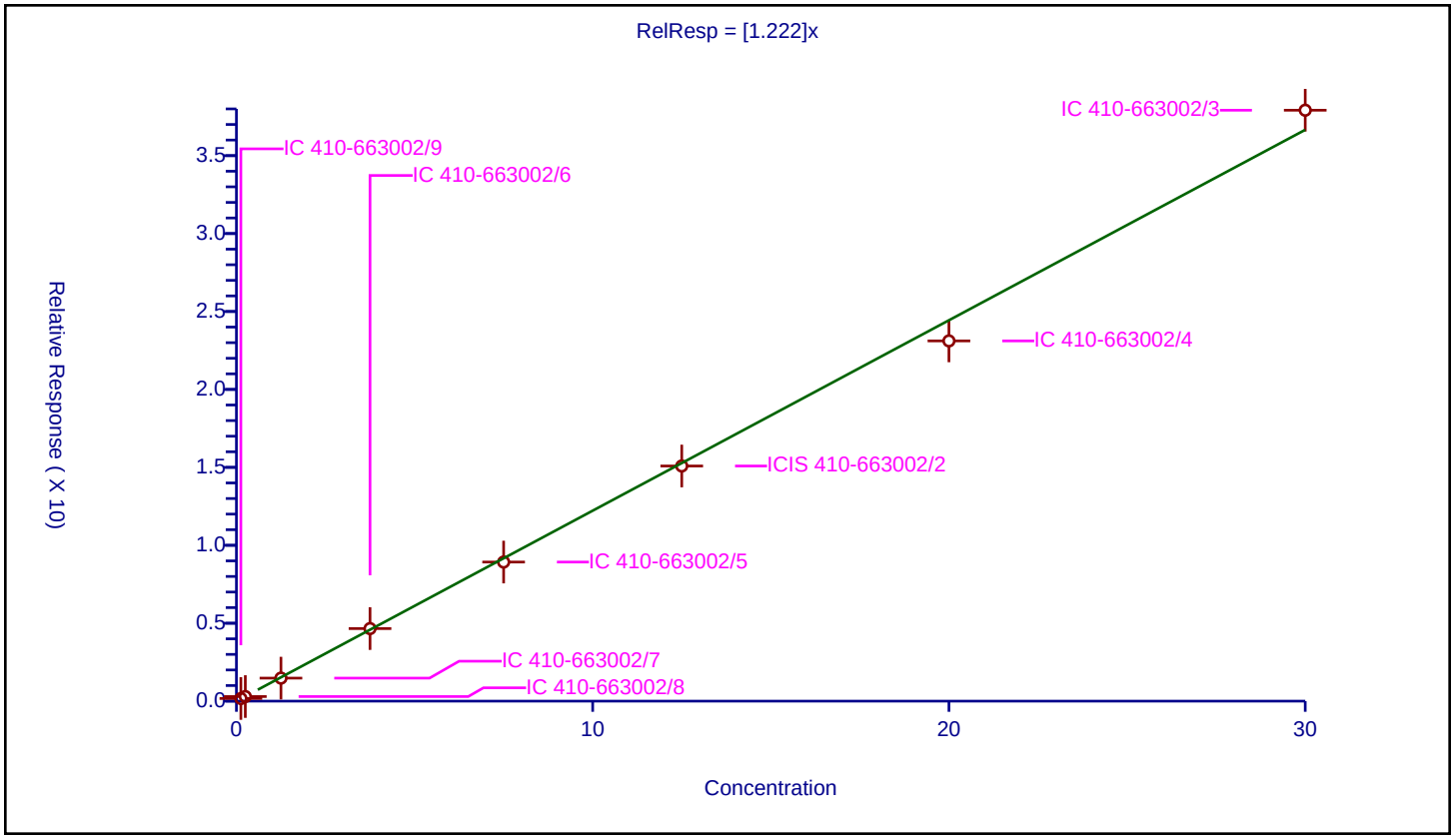
Curve Coefficients

Intercept:	0
Slope:	1.222

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.169438	5.0	660830.0	1.355507	Y
2	IC 410-663002/8	0.25	0.294817	5.0	703775.0	1.179269	Y
3	IC 410-663002/7	1.25	1.477928	5.0	705136.0	1.182342	Y
4	IC 410-663002/6	3.75	4.655404	5.0	720496.0	1.241441	Y
5	IC 410-663002/5	7.5	8.924737	5.0	681508.0	1.189965	Y
6	ICIS 410-663002/2	12.5	15.086276	5.0	725580.0	1.206902	Y
7	IC 410-663002/4	20.0	23.113533	5.0	805087.0	1.155677	Y
8	IC 410-663002/3	30.0	37.914512	5.0	698393.0	1.263817	Y



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Calibration / p-Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

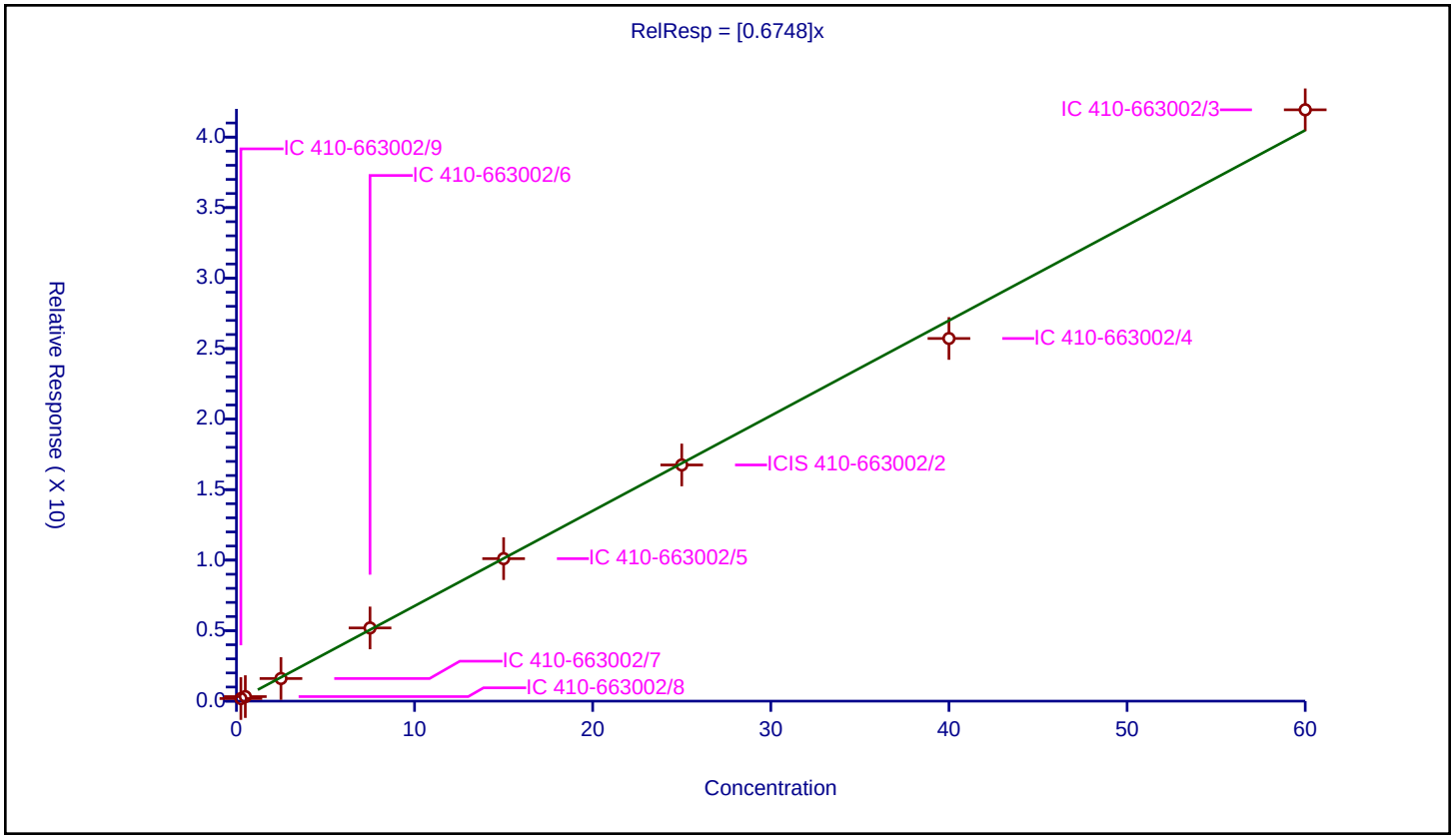
Curve Coefficients

Intercept:	0
Slope:	0.6748

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.25	0.183799	5.0	660830.0	0.735197	Y
2	IC 410-663002/8	0.5	0.322035	5.0	703775.0	0.644069	Y
3	IC 410-663002/7	2.5	1.603308	5.0	705136.0	0.641323	Y
4	IC 410-663002/6	7.5	5.191063	5.0	720496.0	0.692142	Y
5	IC 410-663002/5	15.0	10.103352	5.0	681508.0	0.673557	Y
6	ICIS 410-663002/2	25.0	16.748387	5.0	725580.0	0.669935	Y
7	IC 410-663002/4	40.0	25.718084	5.0	805087.0	0.642952	Y
8	IC 410-663002/3	60.0	41.935135	5.0	698393.0	0.698919	Y



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Calibration / p-Dimethylamino azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

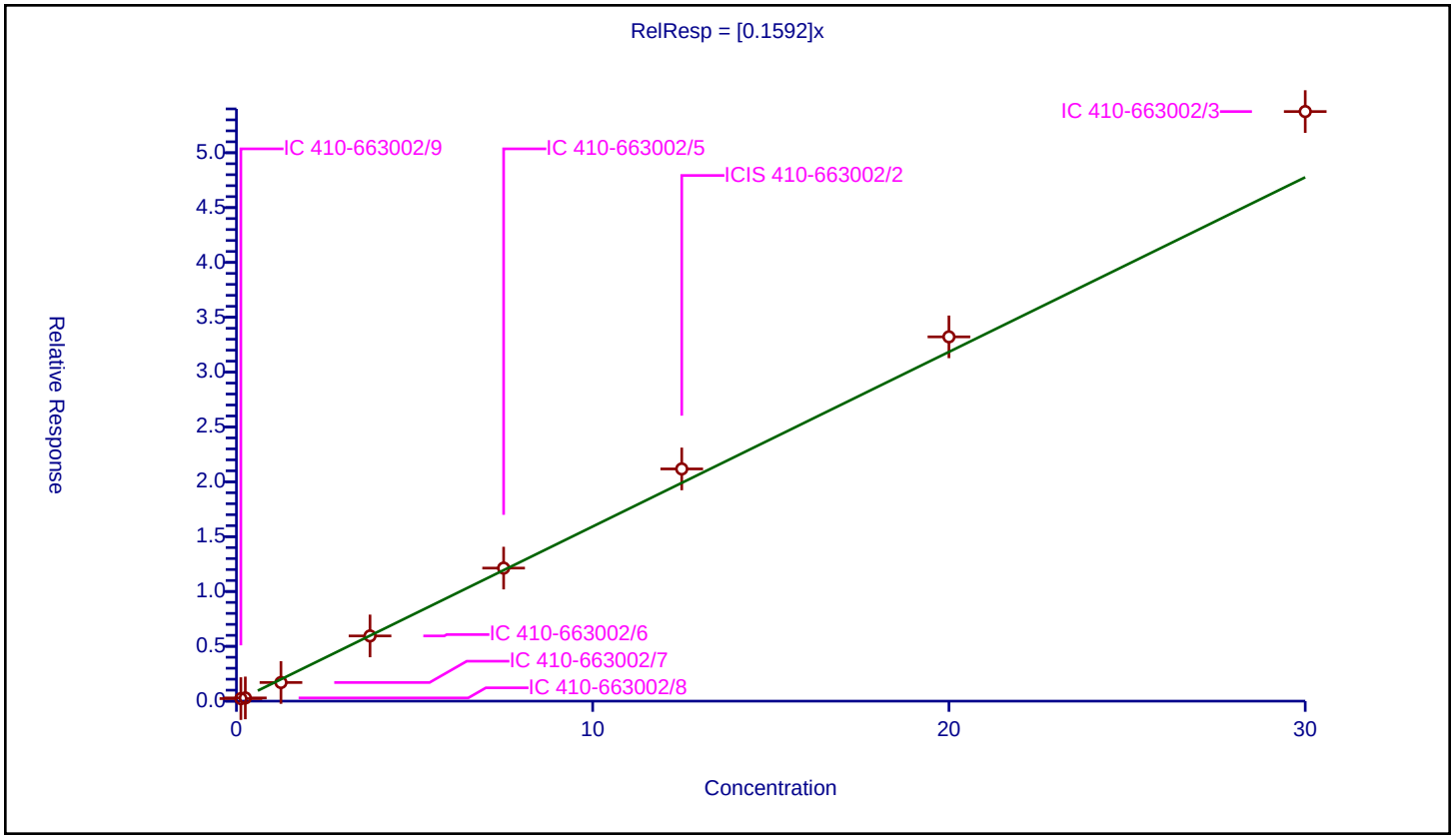
Curve Coefficients

Intercept:	0
Slope:	0.1592

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.023221	5.0	660830.0	0.185766	Y
2	IC 410-663002/8	0.25	0.029299	5.0	703775.0	0.117197	Y
3	IC 410-663002/7	1.25	0.169783	5.0	705136.0	0.135826	Y
4	IC 410-663002/6	3.75	0.594486	5.0	720496.0	0.15853	Y
5	IC 410-663002/5	7.5	1.213243	5.0	681508.0	0.161766	Y
6	ICIS 410-663002/2	12.5	2.117182	5.0	725580.0	0.169375	Y
7	IC 410-663002/4	20.0	3.321461	5.0	805087.0	0.166073	Y
8	IC 410-663002/3	30.0	5.375784	5.0	698393.0	0.179193	Y



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Calibration / Chlorobenzilate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

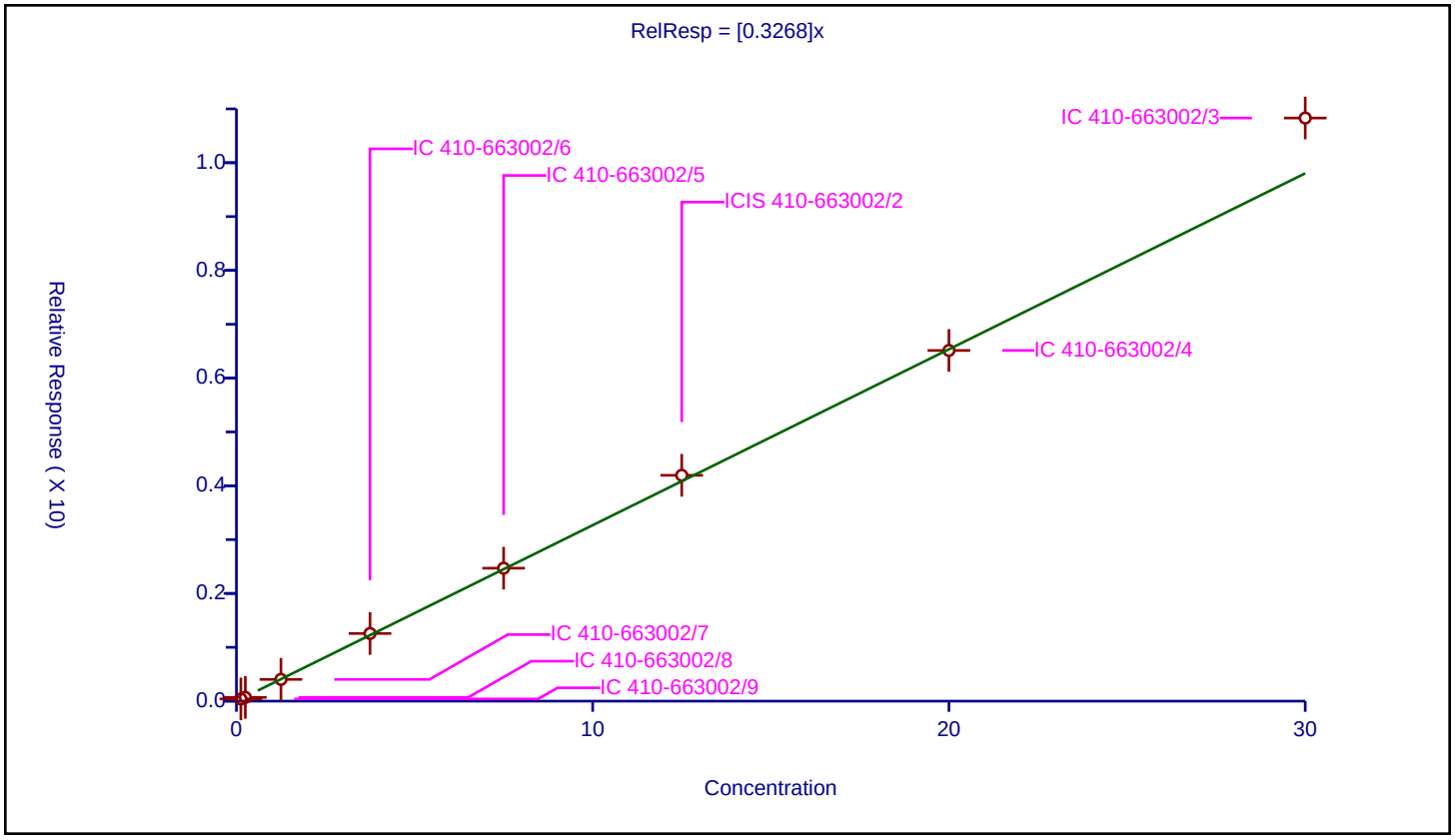
Curve Coefficients

Intercept:	0
Slope:	0.3268

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.040616	5.0	660830.0	0.324925	Y
2	IC 410-663002/8	0.25	0.069859	5.0	703775.0	0.279436	Y
3	IC 410-663002/7	1.25	0.403972	5.0	705136.0	0.323177	Y
4	IC 410-663002/6	3.75	1.256829	5.0	720496.0	0.335154	Y
5	IC 410-663002/5	7.5	2.46934	5.0	681508.0	0.329245	Y
6	ICIS 410-663002/2	12.5	4.194548	5.0	725580.0	0.335564	Y
7	IC 410-663002/4	20.0	6.513308	5.0	805087.0	0.325665	Y
8	IC 410-663002/3	30.0	10.83027	5.0	698393.0	0.361009	Y



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Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

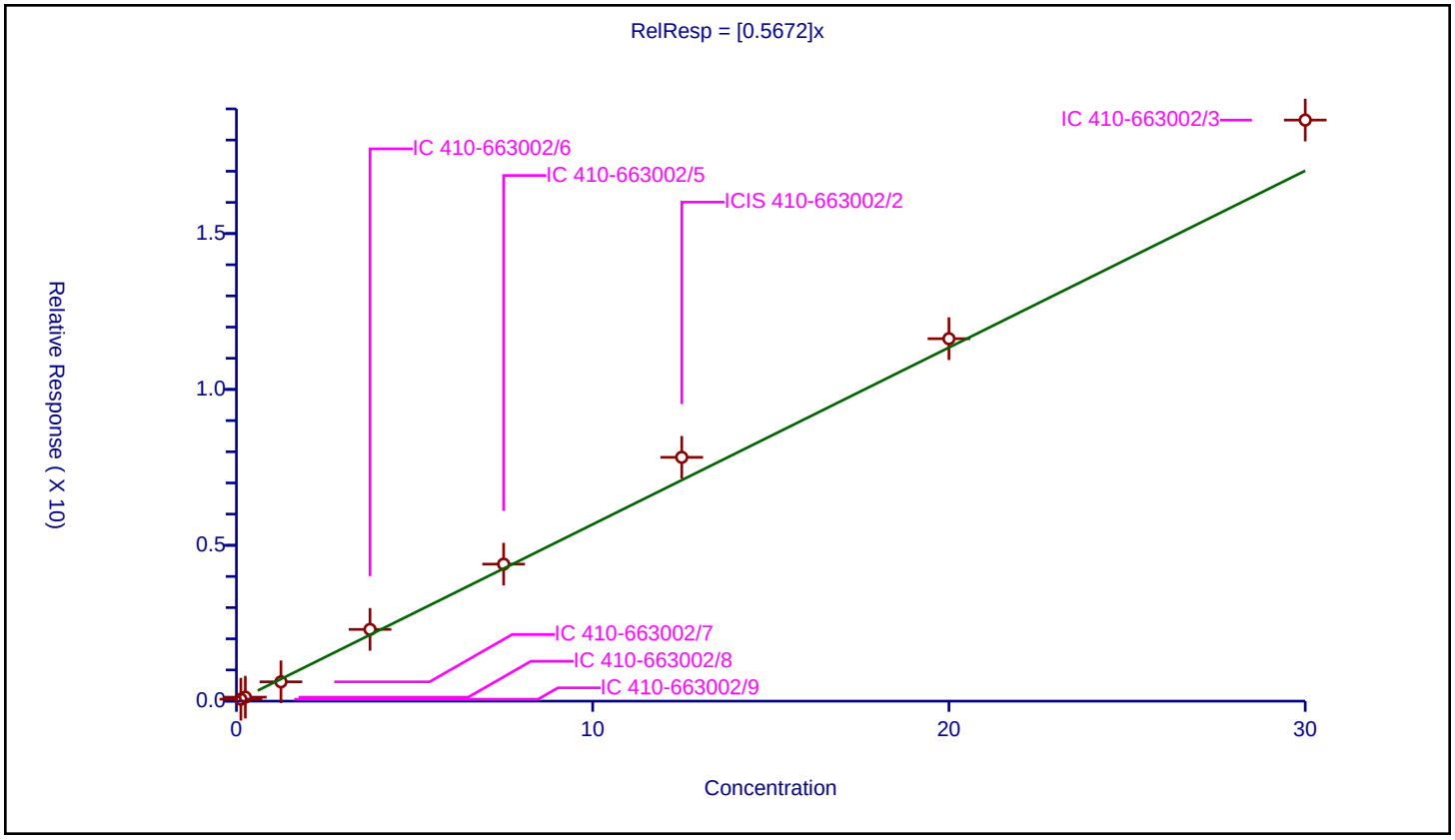
Curve Coefficients

Intercept:	0
Slope:	0.5672

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.062611	5.0	660830.0	0.500885	Y
2	IC 410-663002/8	0.25	0.128109	5.0	703775.0	0.512437	Y
3	IC 410-663002/7	1.25	0.619951	5.0	705136.0	0.495961	Y
4	IC 410-663002/6	3.75	2.301179	5.0	720496.0	0.613648	Y
5	IC 410-663002/5	7.5	4.396111	5.0	681508.0	0.586148	Y
6	ICIS 410-663002/2	12.5	7.822259	5.0	725580.0	0.625781	Y
7	IC 410-663002/4	20.0	11.627495	5.0	805087.0	0.581375	Y
8	IC 410-663002/3	30.0	18.640765	5.0	698393.0	0.621359	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

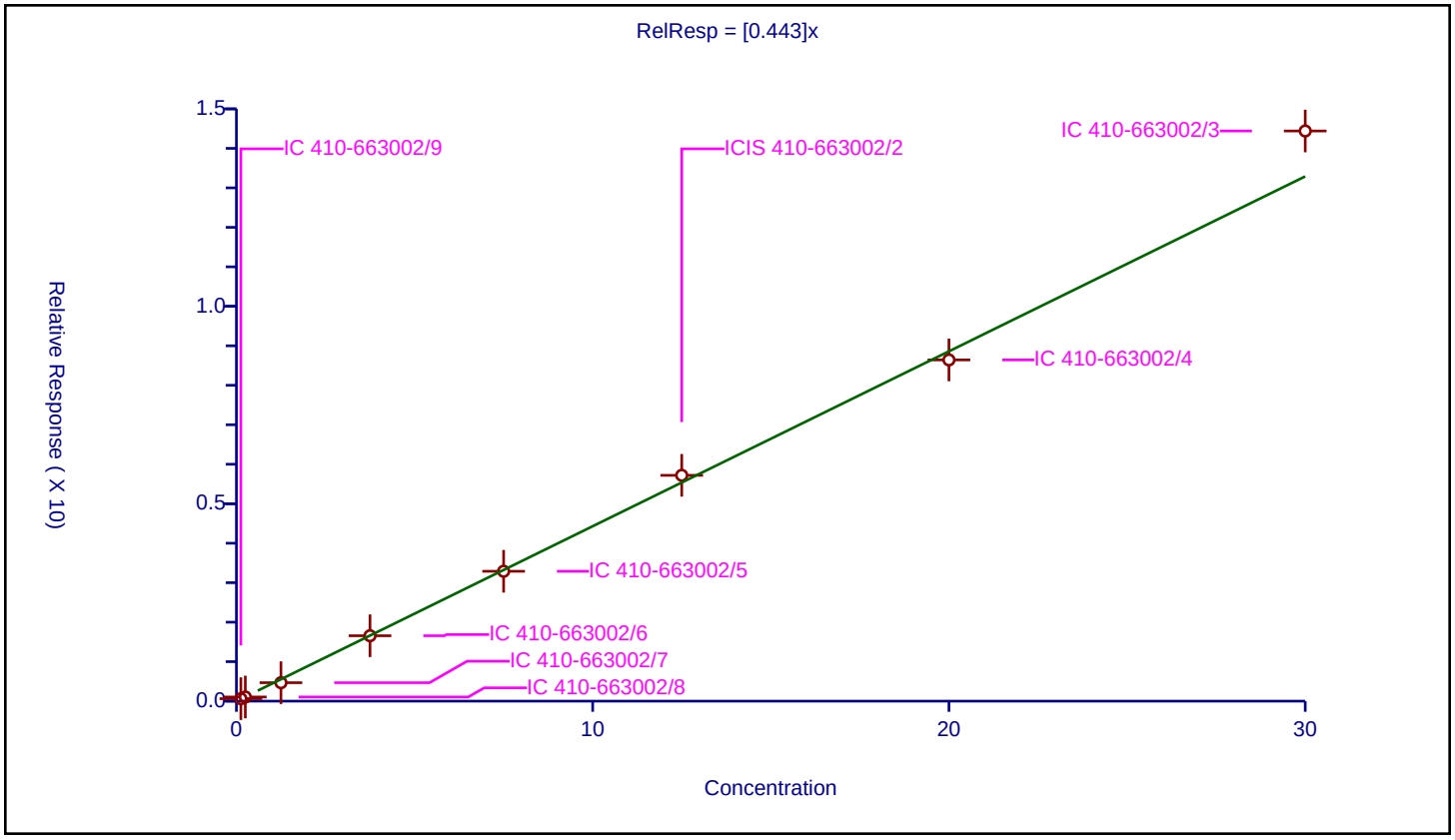
Curve Coefficients

Intercept:	0
Slope:	0.443

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.062497	5.0	660830.0	0.499977	Y
2	IC 410-663002/8	0.25	0.104813	5.0	703775.0	0.419253	Y
3	IC 410-663002/7	1.25	0.466889	5.0	705136.0	0.373511	Y
4	IC 410-663002/6	3.75	1.656144	5.0	720496.0	0.441638	Y
5	IC 410-663002/5	7.5	3.289551	5.0	681508.0	0.438607	Y
6	ICIS 410-663002/2	12.5	5.719466	5.0	725580.0	0.457557	Y
7	IC 410-663002/4	20.0	8.641923	5.0	805087.0	0.432096	Y
8	IC 410-663002/3	30.0	14.440344	5.0	698393.0	0.481345	Y



Calibration / 2-Acetylaminofluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

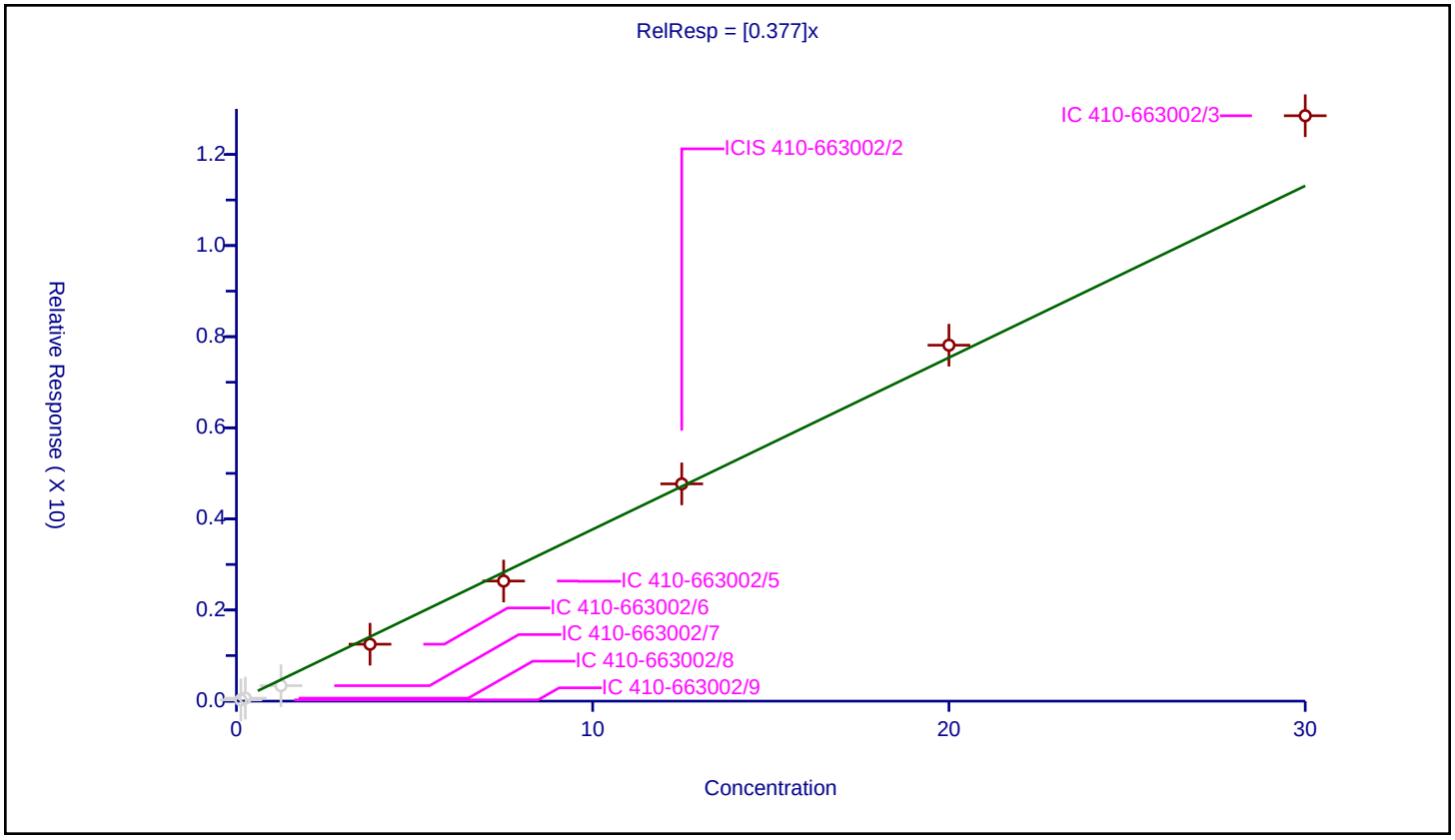
Curve Coefficients

Intercept:	0
Slope:	0.377

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.027178	5.0	660830.0	0.217424	N
2	IC 410-663002/8	0.25	0.065198	5.0	703775.0	0.260794	N
3	IC 410-663002/7	1.25	0.339367	5.0	705136.0	0.271494	N
4	IC 410-663002/6	3.75	1.249348	5.0	720496.0	0.333159	Y
5	IC 410-663002/5	7.5	2.636095	5.0	681508.0	0.351479	Y
6	ICIS 410-663002/2	12.5	4.768826	5.0	725580.0	0.381506	Y
7	IC 410-663002/4	20.0	7.813354	5.0	805087.0	0.390668	Y
8	IC 410-663002/3	30.0	12.849921	5.0	698393.0	0.428331	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

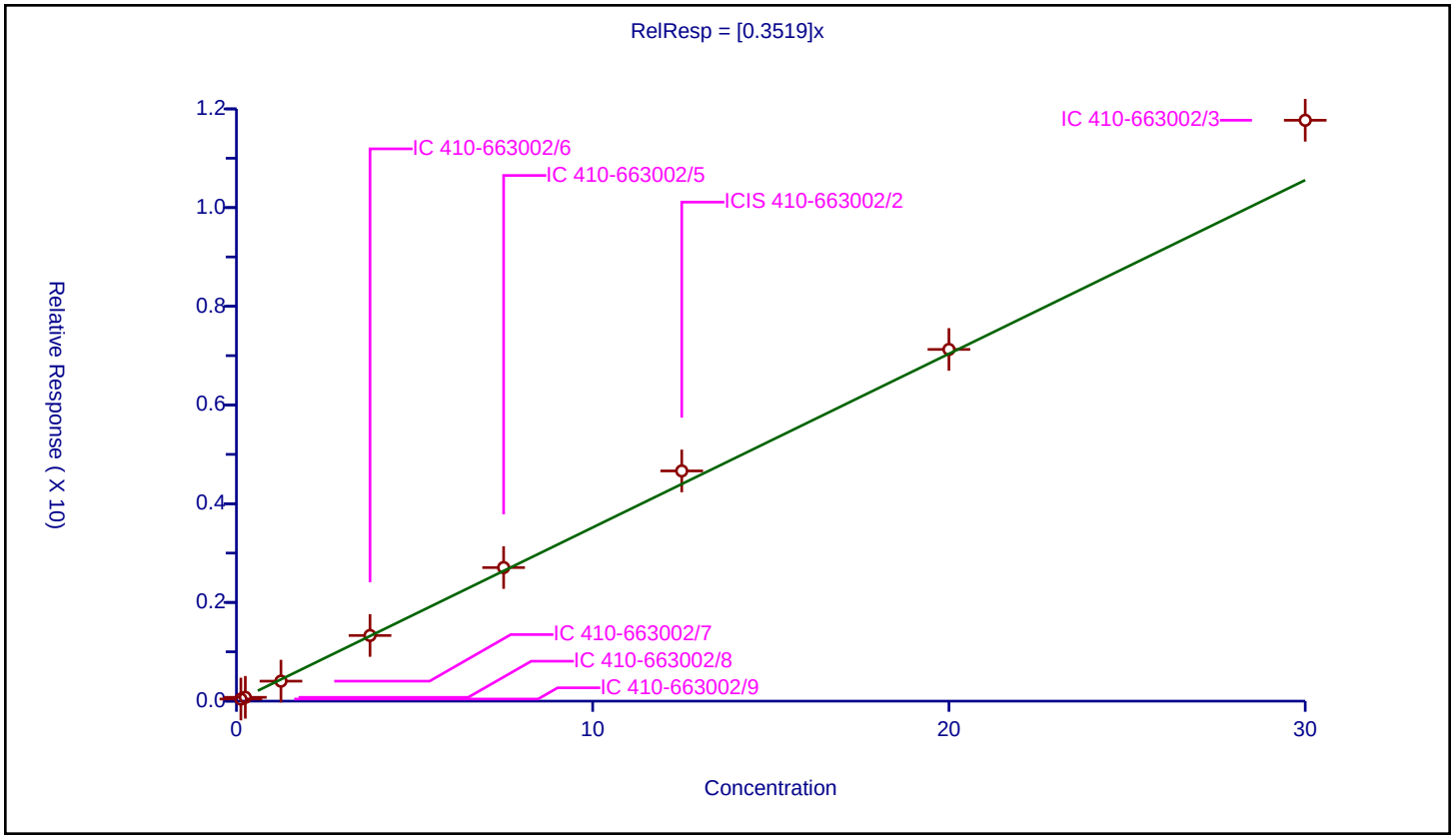
Curve Coefficients

Intercept:	0
Slope:	0.3519

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.042923	5.0	660830.0	0.343386	Y
2	IC 410-663002/8	0.25	0.077553	5.0	703775.0	0.310213	Y
3	IC 410-663002/7	1.25	0.405135	5.0	705136.0	0.324108	Y
4	IC 410-663002/6	3.75	1.330549	5.0	720496.0	0.354813	Y
5	IC 410-663002/5	7.5	2.706601	5.0	681508.0	0.36088	Y
6	ICIS 410-663002/2	12.5	4.664558	5.0	725580.0	0.373165	Y
7	IC 410-663002/4	20.0	7.126143	5.0	805087.0	0.356307	Y
8	IC 410-663002/3	30.0	11.769441	5.0	698393.0	0.392315	Y



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Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

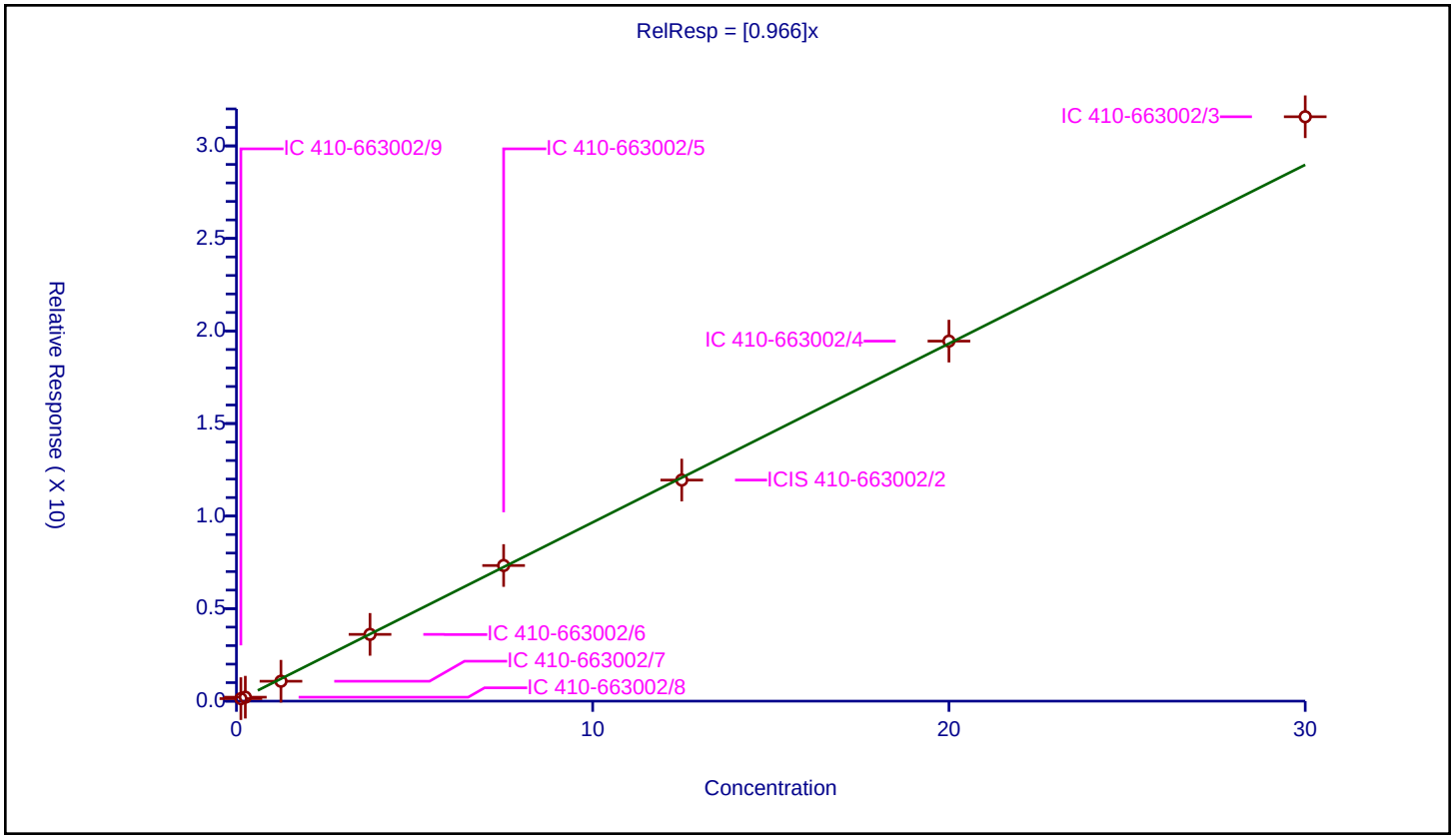
Curve Coefficients

Intercept:	0
Slope:	0.966

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.136223	5.0	660830.0	1.089781	Y
2	IC 410-663002/8	0.25	0.21438	5.0	703775.0	0.857518	Y
3	IC 410-663002/7	1.25	1.076097	5.0	705136.0	0.860878	Y
4	IC 410-663002/6	3.75	3.607244	5.0	720496.0	0.961932	Y
5	IC 410-663002/5	7.5	7.327786	5.0	681508.0	0.977038	Y
6	ICIS 410-663002/2	12.5	11.945706	5.0	725580.0	0.955656	Y
7	IC 410-663002/4	20.0	19.452798	5.0	805087.0	0.97264	Y
8	IC 410-663002/3	30.0	31.575653	5.0	698393.0	1.052522	Y



Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

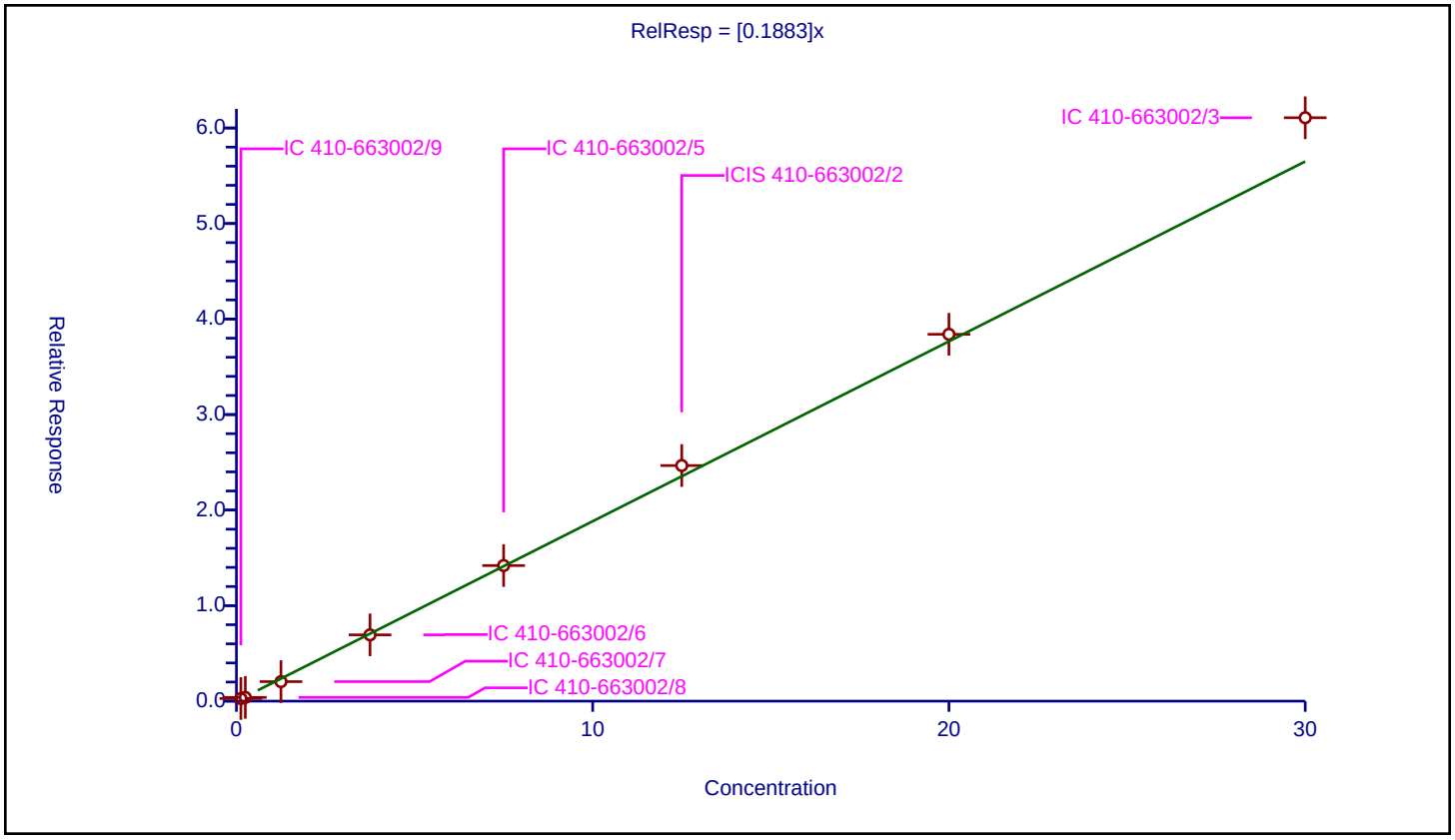
Curve Coefficients

Intercept:	0
Slope:	0.1883

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.027587	5.0	660830.0	0.220692	Y
2	IC 410-663002/8	0.25	0.038791	5.0	703775.0	0.155163	Y
3	IC 410-663002/7	1.25	0.204358	5.0	705136.0	0.163486	Y
4	IC 410-663002/6	3.75	0.693737	5.0	720496.0	0.184997	Y
5	IC 410-663002/5	7.5	1.419396	5.0	681508.0	0.189253	Y
6	ICIS 410-663002/2	12.5	2.466365	5.0	725580.0	0.197309	Y
7	IC 410-663002/4	20.0	3.840268	5.0	805087.0	0.192013	Y
8	IC 410-663002/3	30.0	6.107335	5.0	698393.0	0.203578	Y



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Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

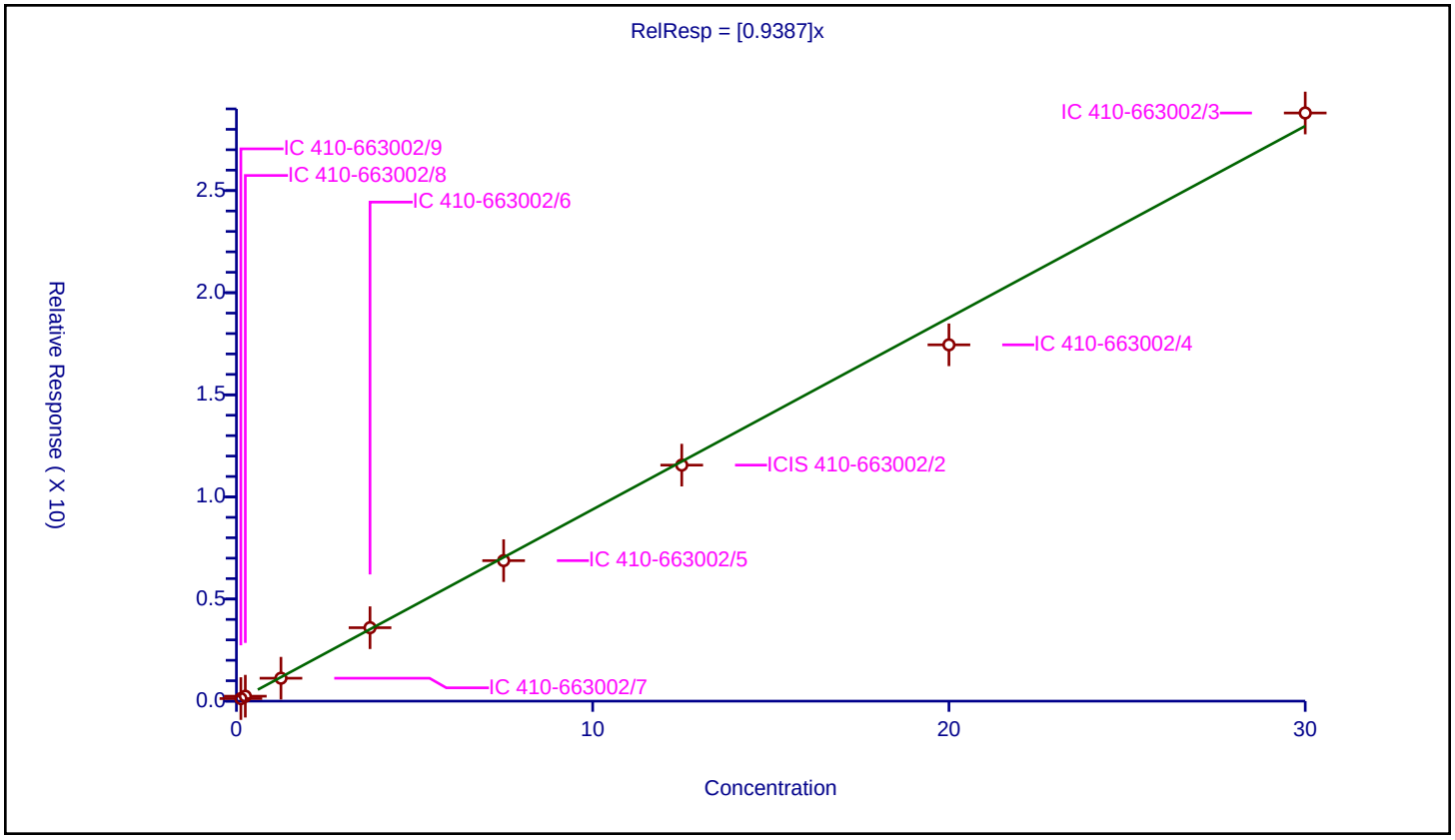
Curve Coefficients

Intercept:	0
Slope:	0.9387

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.126281	5.0	660830.0	1.010245	Y
2	IC 410-663002/8	0.25	0.24203	5.0	703775.0	0.968122	Y
3	IC 410-663002/7	1.25	1.122663	5.0	705136.0	0.89813	Y
4	IC 410-663002/6	3.75	3.596009	5.0	720496.0	0.958936	Y
5	IC 410-663002/5	7.5	6.879743	5.0	681508.0	0.917299	Y
6	ICIS 410-663002/2	12.5	11.556865	5.0	725580.0	0.924549	Y
7	IC 410-663002/4	20.0	17.448152	5.0	805087.0	0.872408	Y
8	IC 410-663002/3	30.0	28.798642	5.0	698393.0	0.959955	Y



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Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

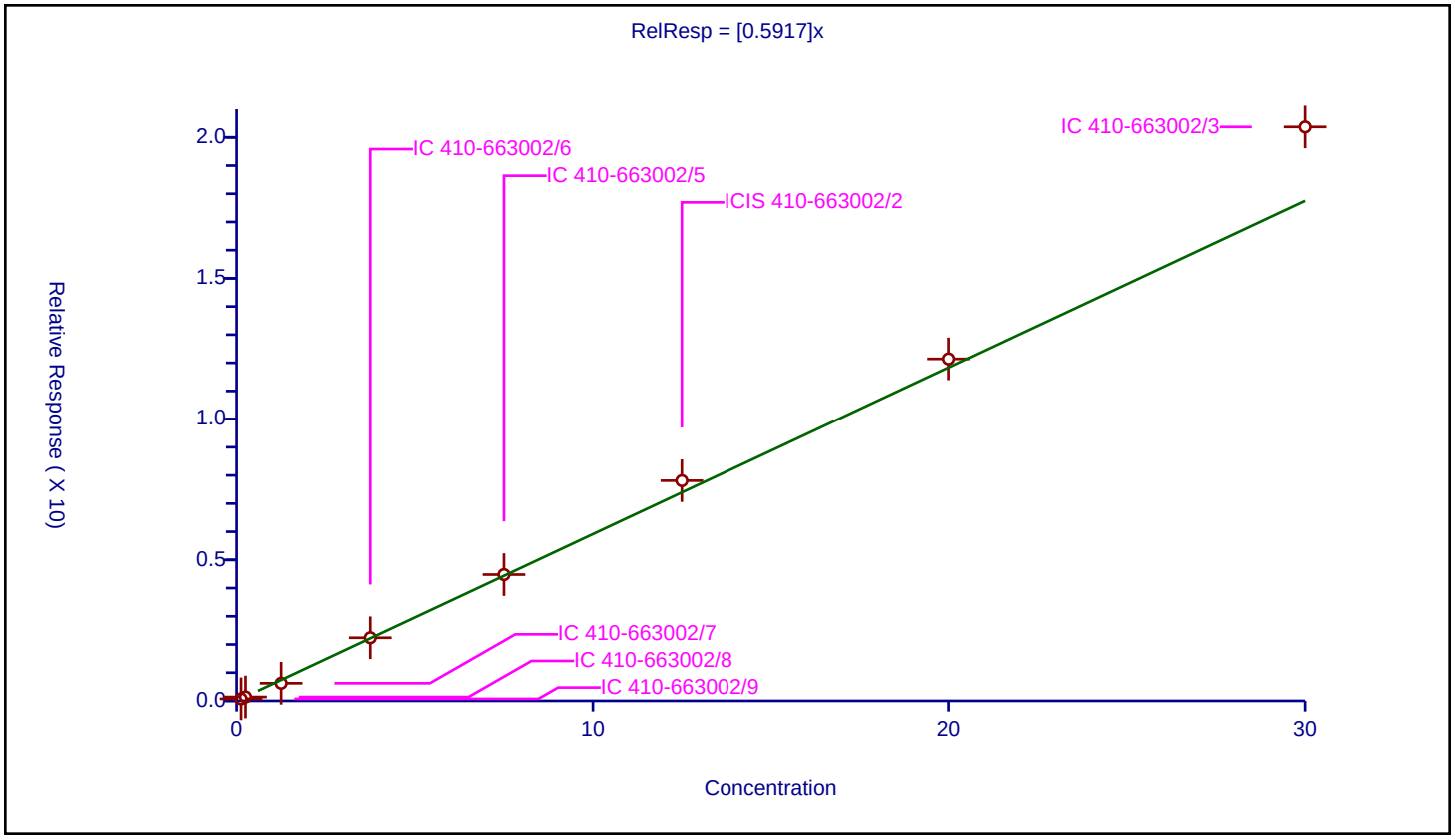
Curve Coefficients

Intercept:	0
Slope:	0.5917

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.072	5.0	660830.0	0.576003	Y
2	IC 410-663002/8	0.25	0.138041	5.0	703775.0	0.552165	Y
3	IC 410-663002/7	1.25	0.62456	5.0	705136.0	0.499648	Y
4	IC 410-663002/6	3.75	2.238888	5.0	720496.0	0.597037	Y
5	IC 410-663002/5	7.5	4.47972	5.0	681508.0	0.597296	Y
6	ICIS 410-663002/2	12.5	7.813315	5.0	725580.0	0.625065	Y
7	IC 410-663002/4	20.0	12.139346	5.0	805087.0	0.606967	Y
8	IC 410-663002/3	30.0	20.370708	5.0	698393.0	0.679024	Y



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Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

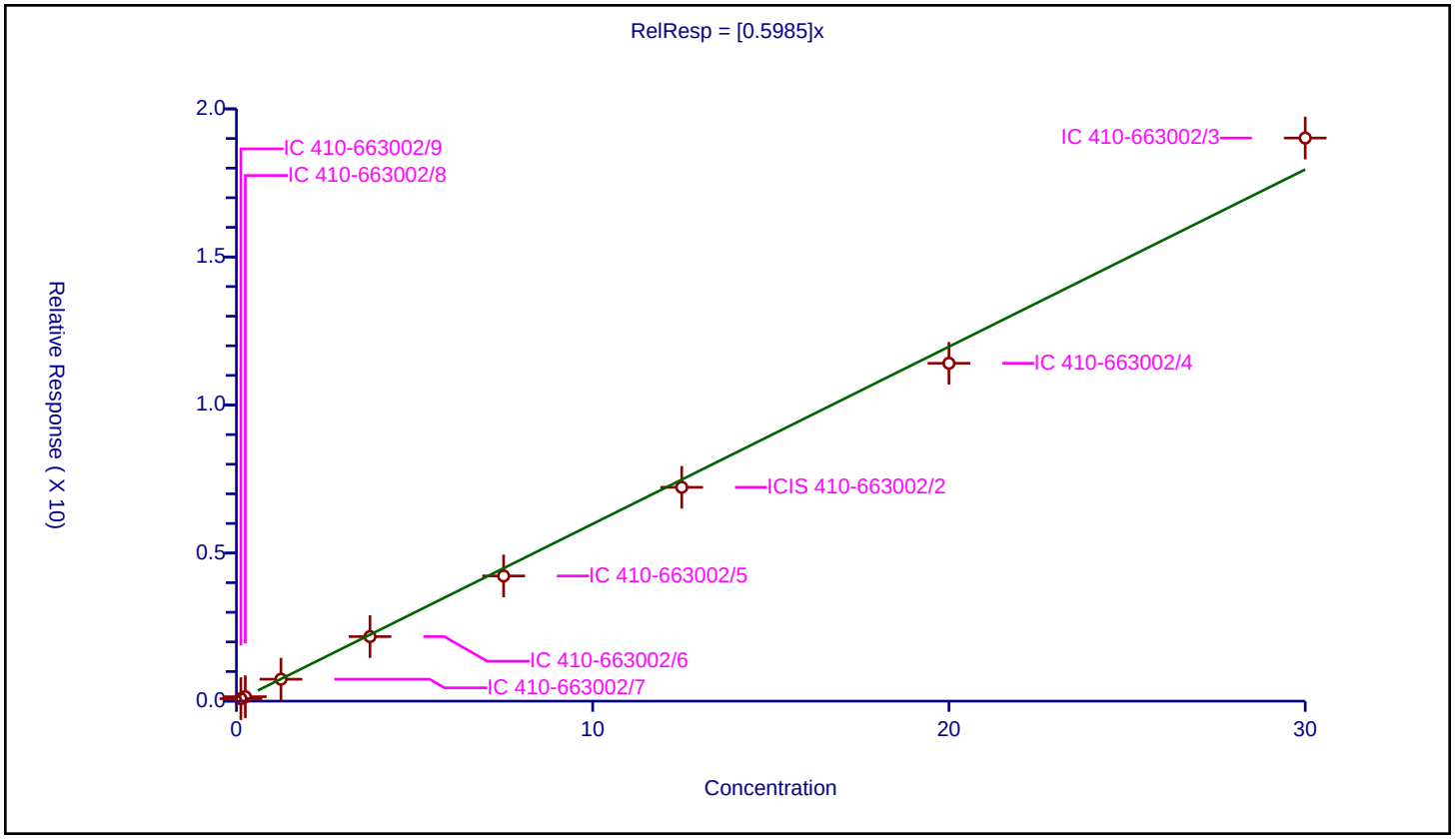
Curve Coefficients

Intercept:	0
Slope:	0.5985

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.083577	5.0	660830.0	0.668614	Y
2	IC 410-663002/8	0.25	0.149963	5.0	703775.0	0.599851	Y
3	IC 410-663002/7	1.25	0.740339	5.0	705136.0	0.592272	Y
4	IC 410-663002/6	3.75	2.180116	5.0	720496.0	0.581364	Y
5	IC 410-663002/5	7.5	4.227537	5.0	681508.0	0.563672	Y
6	ICIS 410-663002/2	12.5	7.220761	5.0	725580.0	0.577661	Y
7	IC 410-663002/4	20.0	11.409227	5.0	805087.0	0.570461	Y
8	IC 410-663002/3	30.0	19.015719	5.0	698393.0	0.633857	Y



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Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

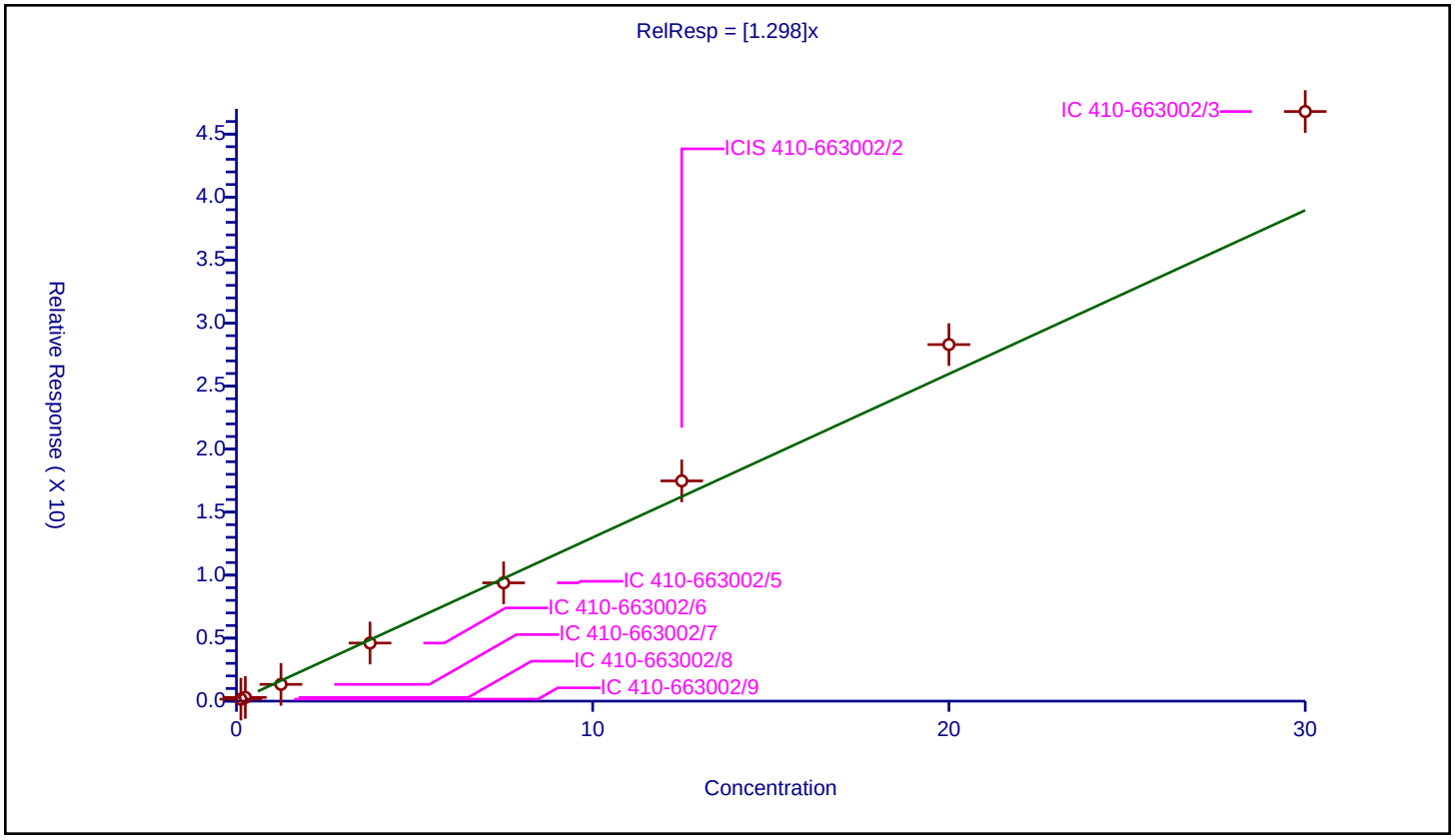
Curve Coefficients

Intercept:	0
Slope:	1.298

Error Coefficients

Relative Standard Deviation:	11.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.15964	5.0	461412.0	1.277123	Y
2	IC 410-663002/8	0.25	0.297842	5.0	504462.0	1.191368	Y
3	IC 410-663002/7	1.25	1.330727	5.0	499058.0	1.064582	Y
4	IC 410-663002/6	3.75	4.611914	5.0	535203.0	1.229844	Y
5	IC 410-663002/5	7.5	9.387891	5.0	497844.0	1.251719	Y
6	ICIS 410-663002/2	12.5	17.479296	5.0	513065.0	1.398344	Y
7	IC 410-663002/4	20.0	28.297216	5.0	546787.0	1.414861	Y
8	IC 410-663002/3	30.0	46.792638	5.0	477609.0	1.559755	Y



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Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

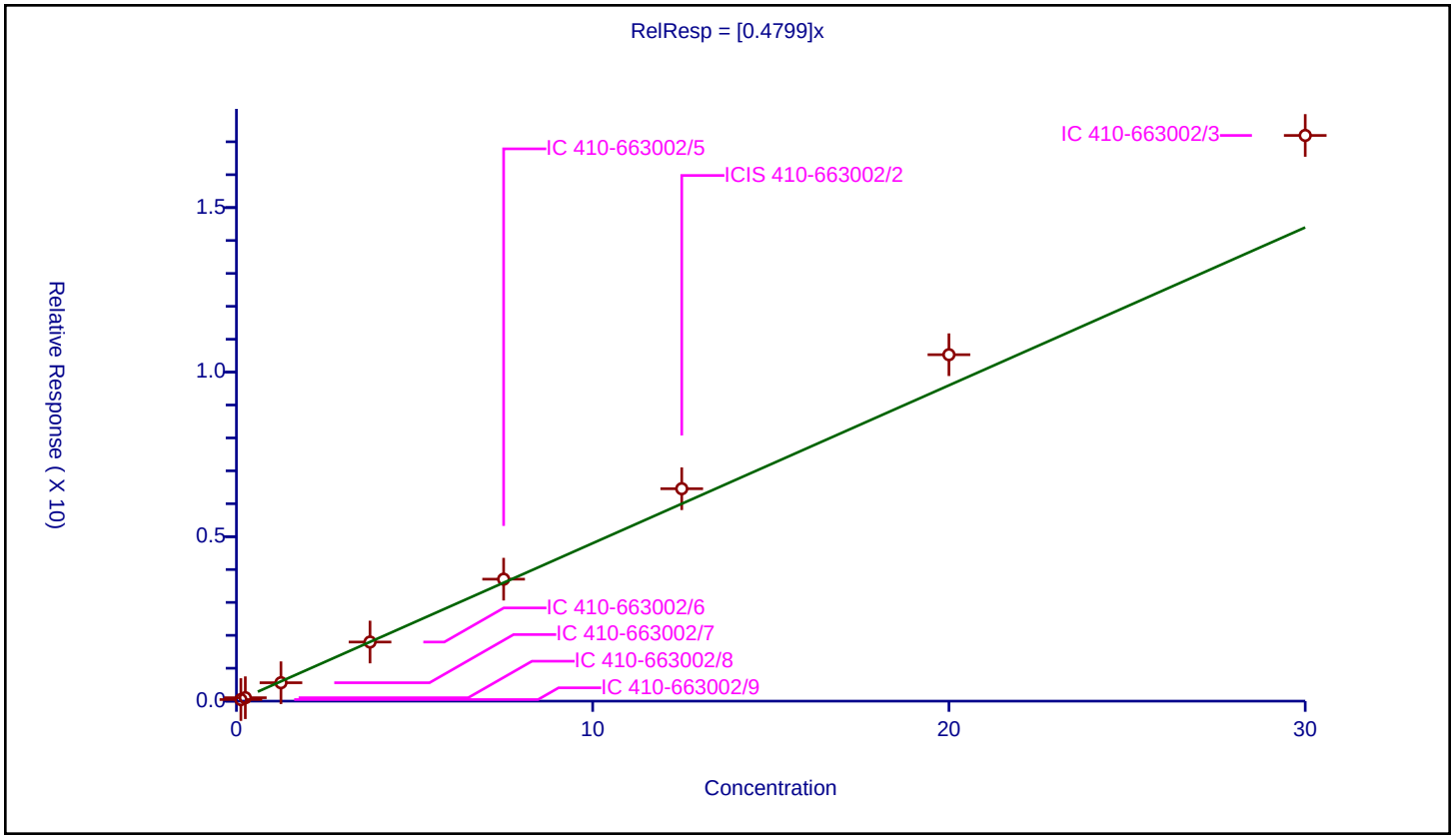
Curve Coefficients

Intercept:	0
Slope:	0.4799

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.048384	5.0	461412.0	0.387073	Y
2	IC 410-663002/8	0.25	0.103744	5.0	504462.0	0.414977	Y
3	IC 410-663002/7	1.25	0.559664	5.0	499058.0	0.447732	Y
4	IC 410-663002/6	3.75	1.796589	5.0	535203.0	0.47909	Y
5	IC 410-663002/5	7.5	3.706964	5.0	497844.0	0.494262	Y
6	ICIS 410-663002/2	12.5	6.456141	5.0	513065.0	0.516491	Y
7	IC 410-663002/4	20.0	10.529356	5.0	546787.0	0.526468	Y
8	IC 410-663002/3	30.0	17.193321	5.0	477609.0	0.573111	Y



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Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

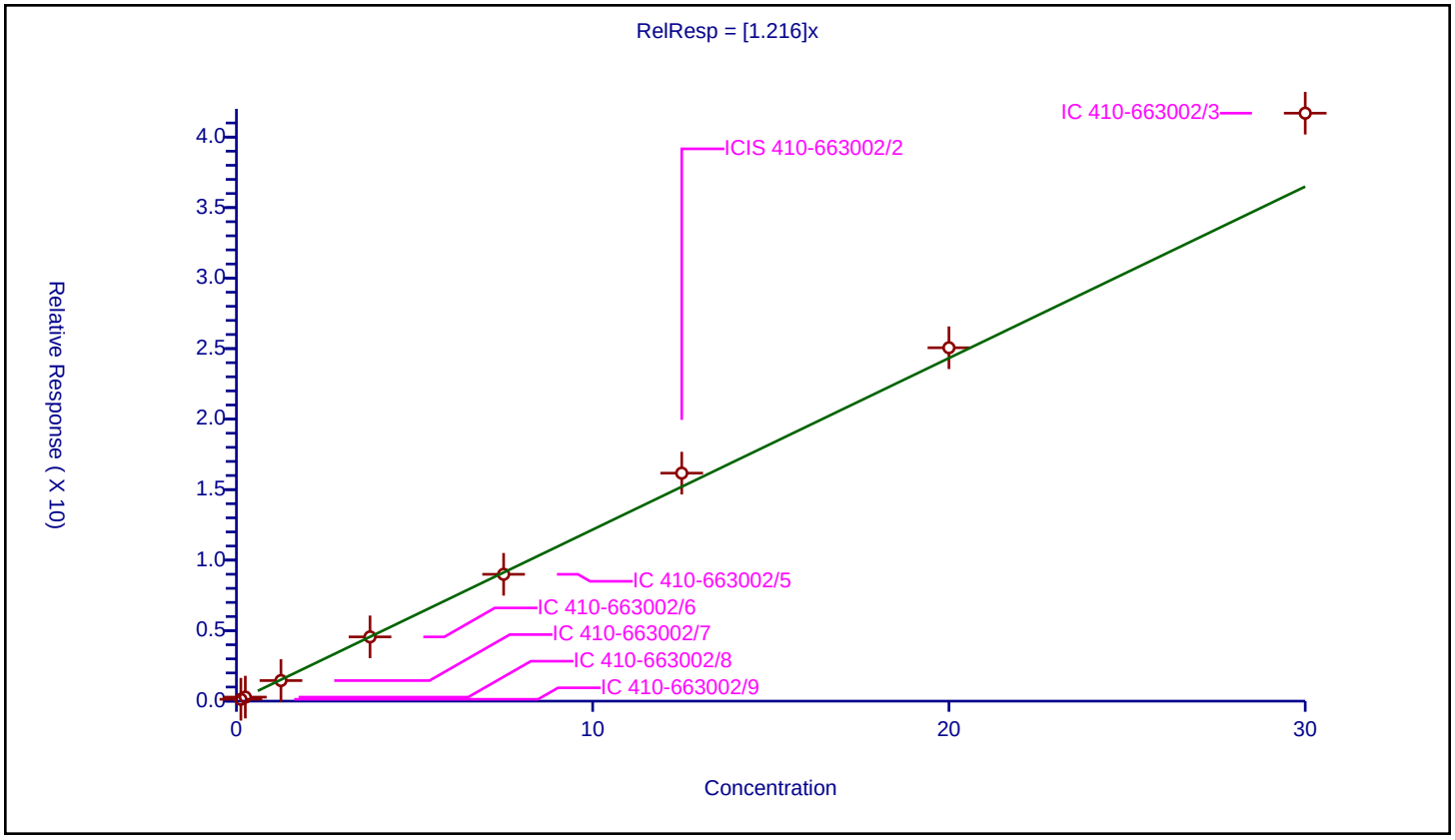
Curve Coefficients

Intercept:	0
Slope:	1.216

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.133254	5.0	461412.0	1.066032	Y
2	IC 410-663002/8	0.25	0.286711	5.0	504462.0	1.146846	Y
3	IC 410-663002/7	1.25	1.459099	5.0	499058.0	1.167279	Y
4	IC 410-663002/6	3.75	4.556224	5.0	535203.0	1.214993	Y
5	IC 410-663002/5	7.5	8.994996	5.0	497844.0	1.199333	Y
6	ICIS 410-663002/2	12.5	16.168692	5.0	513065.0	1.293495	Y
7	IC 410-663002/4	20.0	25.060444	5.0	546787.0	1.253022	Y
8	IC 410-663002/3	30.0	41.696796	5.0	477609.0	1.389893	Y



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Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

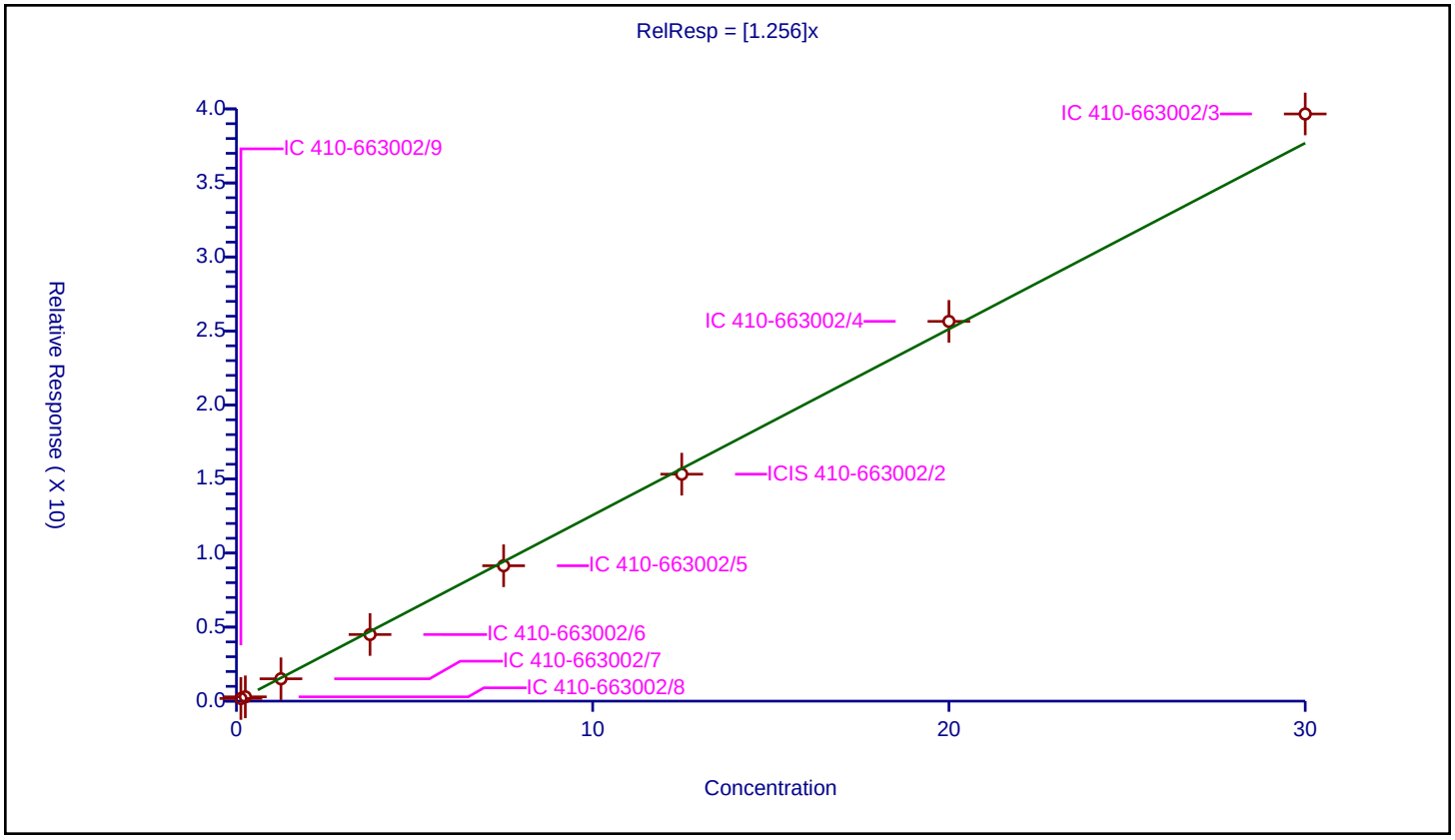
Curve Coefficients

Intercept:	0
Slope:	1.256

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.178441	5.0	461412.0	1.427531	Y
2	IC 410-663002/8	0.25	0.29138	5.0	504462.0	1.165519	Y
3	IC 410-663002/7	1.25	1.509955	5.0	499058.0	1.207964	Y
4	IC 410-663002/6	3.75	4.498994	5.0	535203.0	1.199732	Y
5	IC 410-663002/5	7.5	9.145274	5.0	497844.0	1.21937	Y
6	ICIS 410-663002/2	12.5	15.329637	5.0	513065.0	1.226371	Y
7	IC 410-663002/4	20.0	25.64965	5.0	546787.0	1.282482	Y
8	IC 410-663002/3	30.0	39.658183	5.0	477609.0	1.321939	Y



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Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

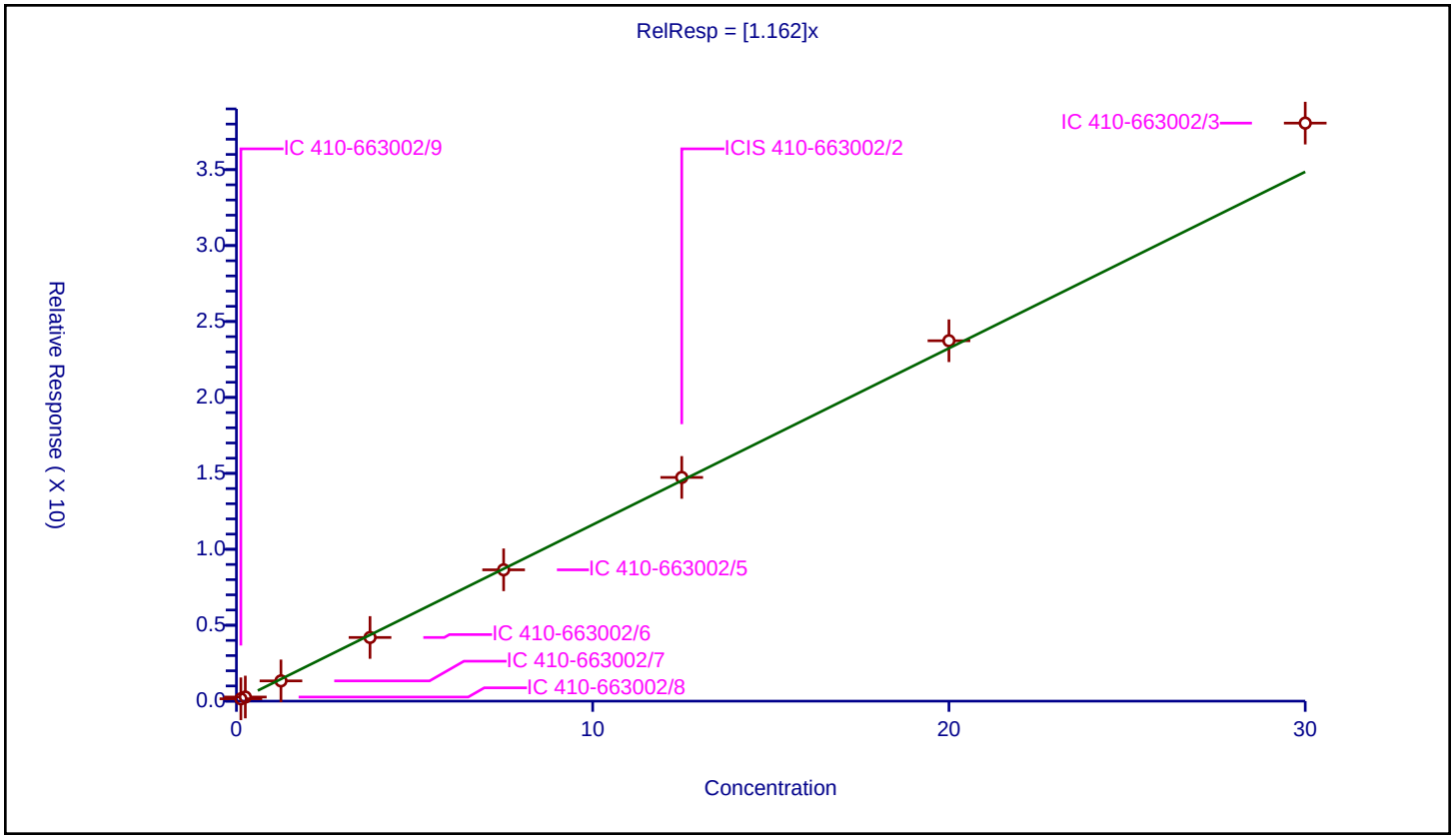
Curve Coefficients

Intercept:	0
Slope:	1.162

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.155046	5.0	461412.0	1.240367	Y
2	IC 410-663002/8	0.25	0.270665	5.0	504462.0	1.082658	Y
3	IC 410-663002/7	1.25	1.333773	5.0	499058.0	1.067018	Y
4	IC 410-663002/6	3.75	4.192559	5.0	535203.0	1.118016	Y
5	IC 410-663002/5	7.5	8.648281	5.0	497844.0	1.153104	Y
6	ICIS 410-663002/2	12.5	14.730941	5.0	513065.0	1.178475	Y
7	IC 410-663002/4	20.0	23.732377	5.0	546787.0	1.186619	Y
8	IC 410-663002/3	30.0	38.06396	5.0	477609.0	1.268799	Y



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Calibration / 3-Methylcholanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

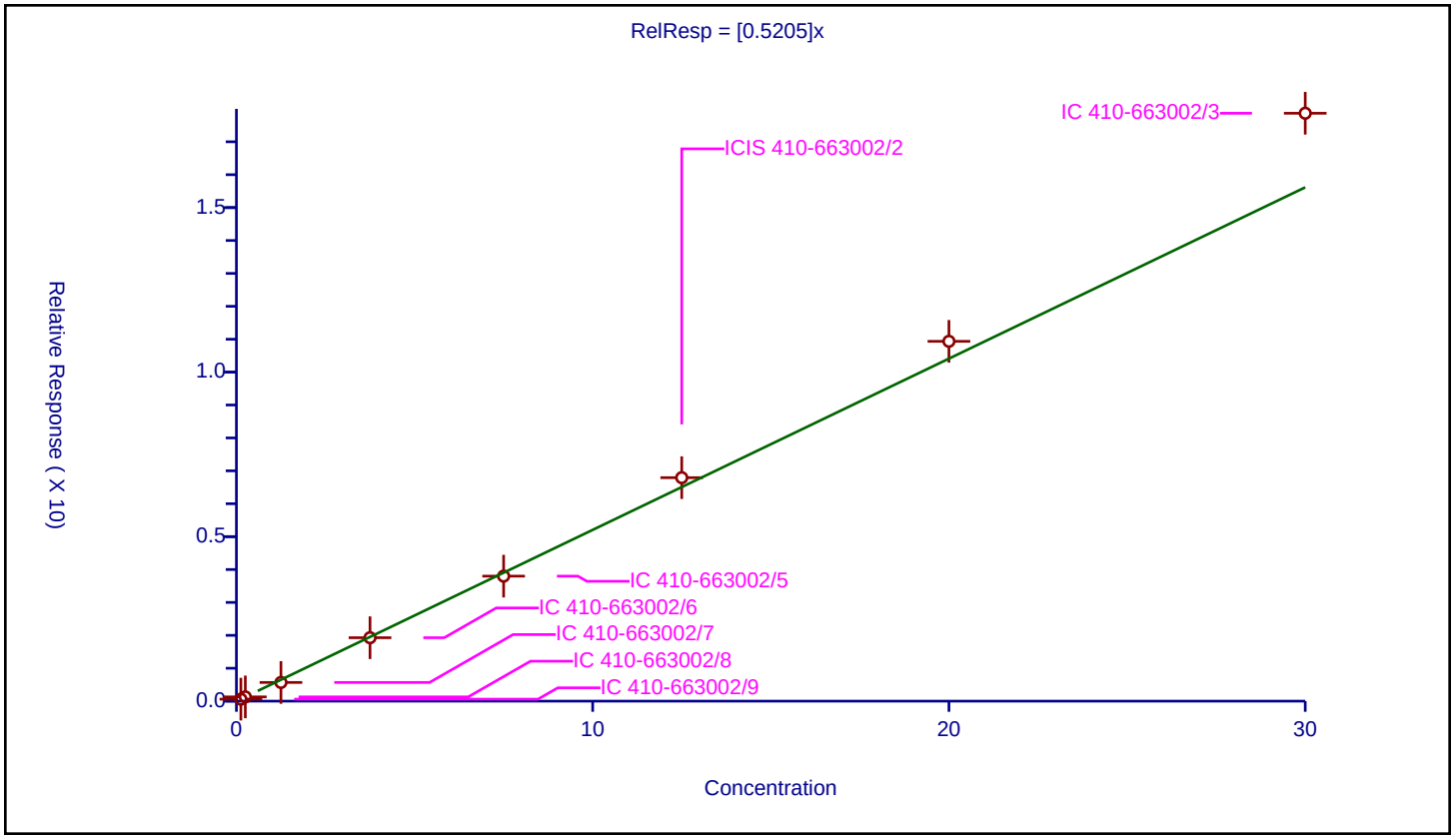
Curve Coefficients

Intercept:	0
Slope:	0.5205

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.060683	5.0	461412.0	0.485466	Y
2	IC 410-663002/8	0.25	0.129405	5.0	504462.0	0.517621	Y
3	IC 410-663002/7	1.25	0.5682	5.0	499058.0	0.45456	Y
4	IC 410-663002/6	3.75	1.927736	5.0	535203.0	0.514063	Y
5	IC 410-663002/5	7.5	3.799574	5.0	497844.0	0.50661	Y
6	ICIS 410-663002/2	12.5	6.791635	5.0	513065.0	0.543331	Y
7	IC 410-663002/4	20.0	10.935703	5.0	546787.0	0.546785	Y
8	IC 410-663002/3	30.0	17.866927	5.0	477609.0	0.595564	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

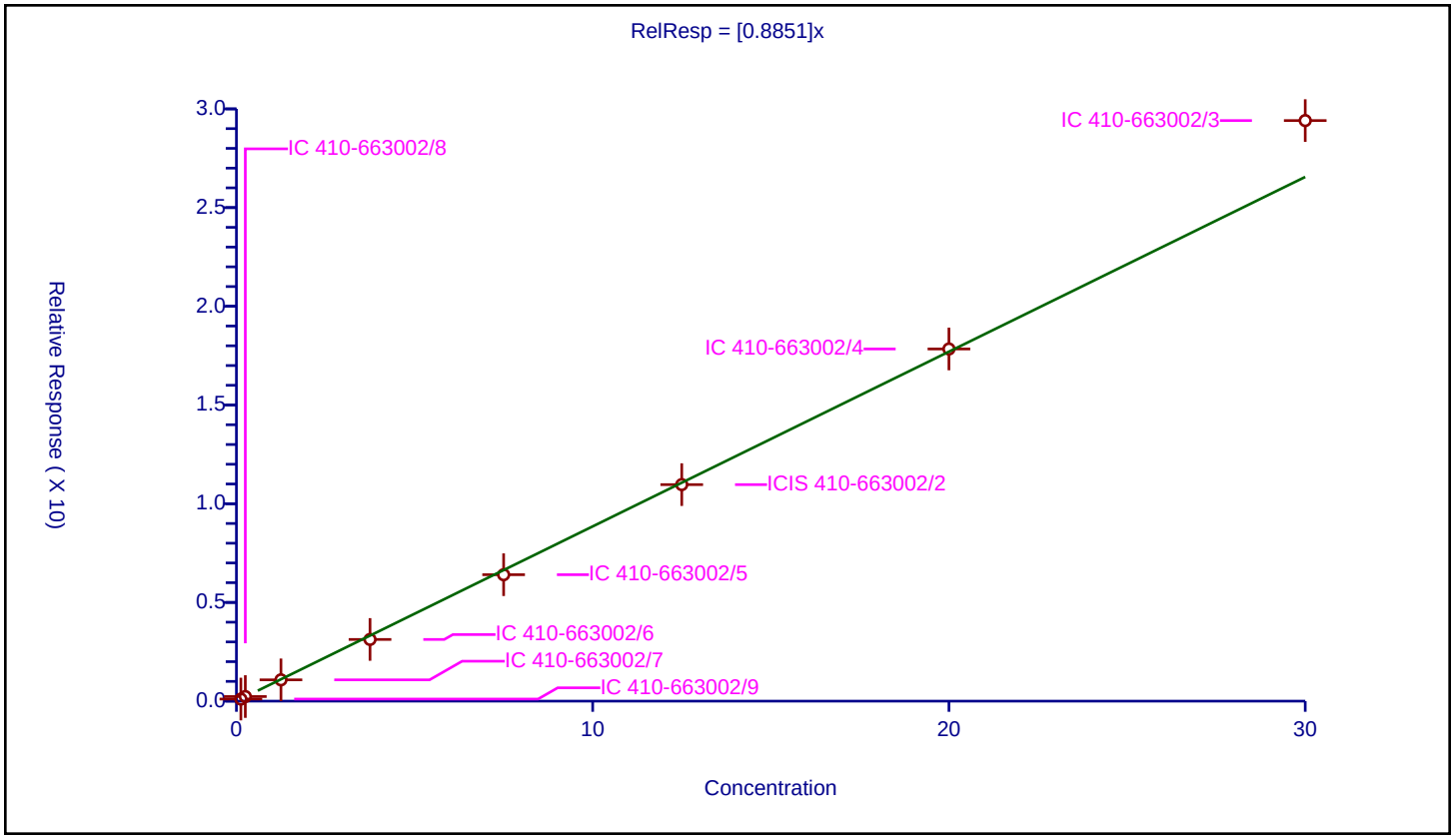
Curve Coefficients

Intercept:	0
Slope:	0.8851

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.106152	5.0	461412.0	0.849219	Y
2	IC 410-663002/8	0.25	0.233011	5.0	504462.0	0.932042	Y
3	IC 410-663002/7	1.25	1.078472	5.0	499058.0	0.862777	Y
4	IC 410-663002/6	3.75	3.124833	5.0	535203.0	0.833289	Y
5	IC 410-663002/5	7.5	6.404325	5.0	497844.0	0.85391	Y
6	ICIS 410-663002/2	12.5	10.968357	5.0	513065.0	0.877469	Y
7	IC 410-663002/4	20.0	17.838829	5.0	546787.0	0.891941	Y
8	IC 410-663002/3	30.0	29.407601	5.0	477609.0	0.980253	Y



Calibration / Dibenz[a,j]acridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

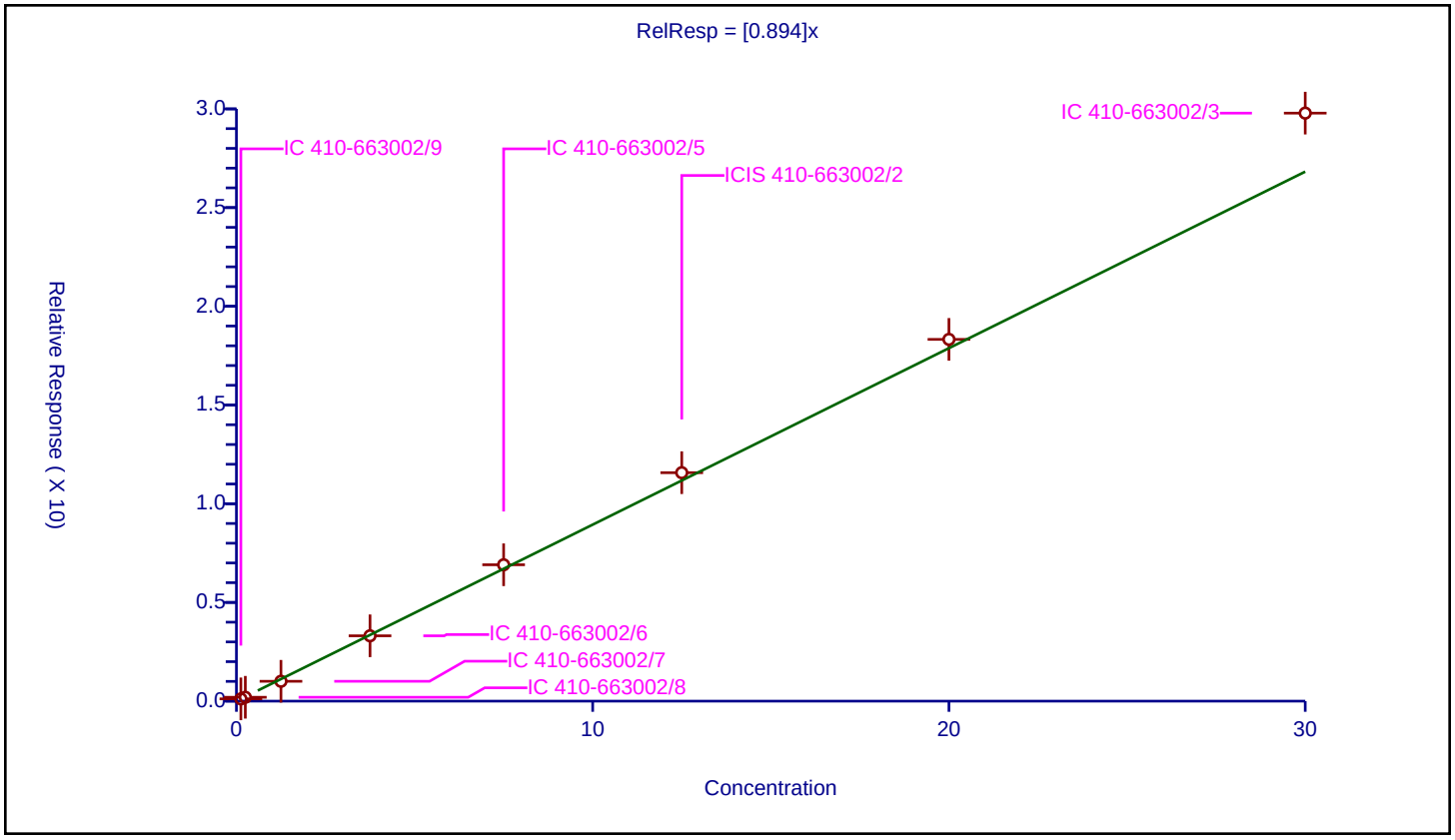
Curve Coefficients

Intercept:	0
Slope:	0.894

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.115678	5.0	461412.0	0.92542	Y
2	IC 410-663002/8	0.25	0.195773	5.0	504462.0	0.783092	Y
3	IC 410-663002/7	1.25	1.005975	5.0	499058.0	0.80478	Y
4	IC 410-663002/6	3.75	3.309996	5.0	535203.0	0.882666	Y
5	IC 410-663002/5	7.5	6.907555	5.0	497844.0	0.921007	Y
6	ICIS 410-663002/2	12.5	11.572403	5.0	513065.0	0.925792	Y
7	IC 410-663002/4	20.0	18.325225	5.0	546787.0	0.916261	Y
8	IC 410-663002/3	30.0	29.784887	5.0	477609.0	0.99283	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

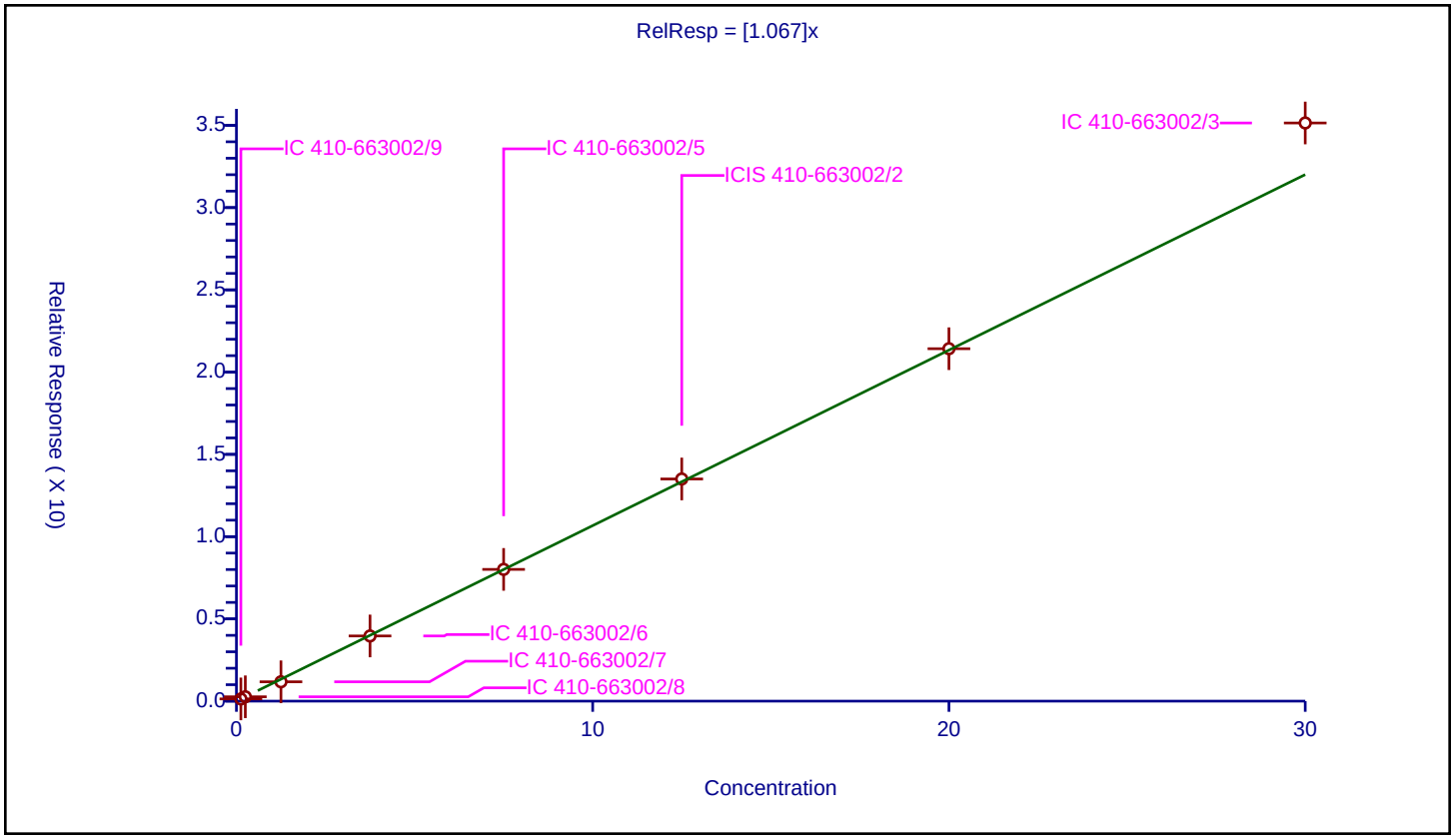
Curve Coefficients

Intercept:	0
Slope:	1.067

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.135822	5.0	461412.0	1.086578	Y
2	IC 410-663002/8	0.25	0.264985	5.0	504462.0	1.059941	Y
3	IC 410-663002/7	1.25	1.176517	5.0	499058.0	0.941213	Y
4	IC 410-663002/6	3.75	3.962637	5.0	535203.0	1.056703	Y
5	IC 410-663002/5	7.5	8.007669	5.0	497844.0	1.067689	Y
6	ICIS 410-663002/2	12.5	13.504039	5.0	513065.0	1.080323	Y
7	IC 410-663002/4	20.0	21.42283	5.0	546787.0	1.071142	Y
8	IC 410-663002/3	30.0	35.144166	5.0	477609.0	1.171472	Y



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Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

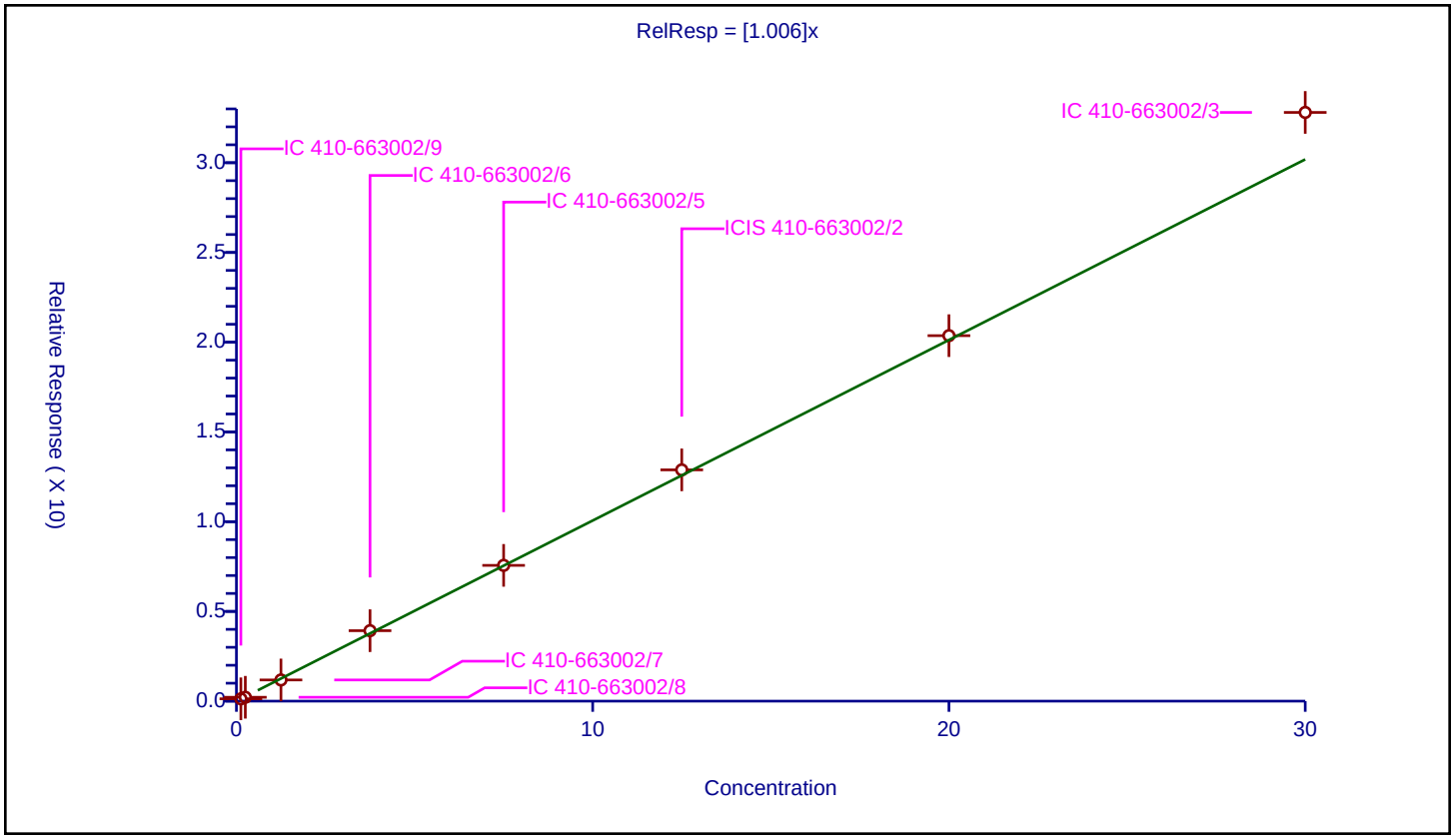
Curve Coefficients

Intercept:	0
Slope:	1.006

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.130231	5.0	461412.0	1.041845	Y
2	IC 410-663002/8	0.25	0.216211	5.0	504462.0	0.864842	Y
3	IC 410-663002/7	1.25	1.181195	5.0	499058.0	0.944956	Y
4	IC 410-663002/6	3.75	3.925585	5.0	535203.0	1.046823	Y
5	IC 410-663002/5	7.5	7.564729	5.0	497844.0	1.008631	Y
6	ICIS 410-663002/2	12.5	12.88597	5.0	513065.0	1.030878	Y
7	IC 410-663002/4	20.0	20.365005	5.0	546787.0	1.01825	Y
8	IC 410-663002/3	30.0	32.801915	5.0	477609.0	1.093397	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

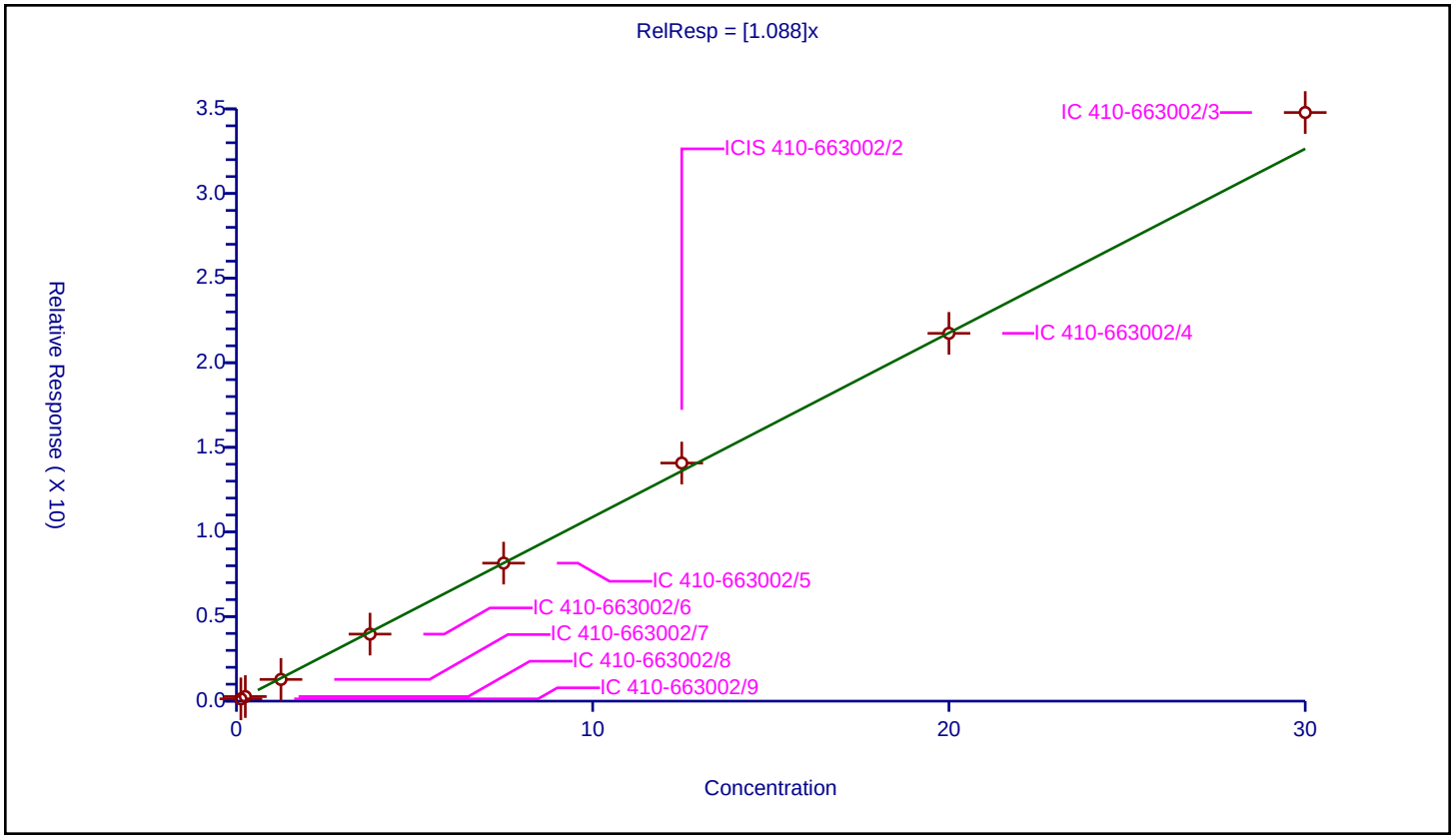
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-663002/9	0.125	0.134327	5.0	461412.0	1.074614	Y
2	IC 410-663002/8	0.25	0.271923	5.0	504462.0	1.087693	Y
3	IC 410-663002/7	1.25	1.283388	5.0	499058.0	1.02671	Y
4	IC 410-663002/6	3.75	3.960376	5.0	535203.0	1.0561	Y
5	IC 410-663002/5	7.5	8.1563	5.0	497844.0	1.087507	Y
6	ICIS 410-663002/2	12.5	14.071414	5.0	513065.0	1.125713	Y
7	IC 410-663002/4	20.0	21.735237	5.0	546787.0	1.086762	Y
8	IC 410-663002/3	30.0	34.786489	5.0	477609.0	1.15955	Y



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FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 03/26/2025 23:59

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/27/2025 02:11

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.1895				12.5		
Indene	Ave	2.619				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 03:14:29 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151574-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:58 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:37:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	90	259965	12.5	10.9	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	417300	12.5	12.2	
4 Pyridine	79	1.641	1.646	-0.005	95	1373858	25.0	22.7	
6 Dimethylformamide	73	1.909	1.914	-0.005	89	482525	12.5	13.0	
7 2-Picoline	93	2.183	2.188	-0.005	90	822618	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	82	352457	12.5	11.6	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	428641	12.5	12.2	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	369162	12.5	12.2	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	397472	12.5	12.1	
15 Benzaldehyde	77	3.506	3.506	0.000	97	553360	12.5	10.4	
17 Phenol	94	3.605	3.599	0.006	88	1031720	12.5	11.8	
18 Aniline	93	3.611	3.611	0.000	92	1253531	12.5	12.1	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	99	745491	12.5	11.8	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	689185	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	752286	12.5	11.6	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	216105	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	757599	12.5	11.8	
25 Benzyl alcohol	108	4.077	4.071	0.006	92	499629	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	724666	12.5	11.8	
14 Indene	115		4.182				ND	ND	
28 2-Methylphenol	108	4.199	4.193	0.006	95	671350	12.5	12.3	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.205	0.006	92	658571	12.5	11.5	
31 N-Nitrosopyrrolidine	100	4.310	4.304	0.006	91	407583	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	1083208	12.5	11.9	
33 N-Nitrosodi-n-propylamine	70	4.339	4.333	0.006	72	529815	12.5	12.0	
32 4-Methylphenol	108	4.351	4.345	0.006	89	778658	12.5	12.4	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	86	398008	12.5	12.1	
36 2-Toluidine	106	4.363	4.363	0.001	96	1229358	12.5	12.5	
38 Hexachloroethane	117	4.421	4.421	0.000	96	302322	12.5	11.2	
40 Nitrobenzene	77	4.491	4.491	0.000	83	774823	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.637	4.636	0.001	88	368721	12.5	12.6	
	43 Isophorone	82	4.730	4.724	0.006	96	1378061	12.5	12.1	
	44 2-Nitrophenol	139	4.800	4.800	0.000	89	361359	12.5	12.9	
	45 2,4-Dimethylphenol	107	4.864	4.858	0.006	95	748318	12.5	12.3	
	46 o,o',o''-Triethylphosphorothioat	198	4.928	4.922	0.006	88	344903	12.5	12.4	
	30 Benzoic acid	105		4.945				ND	ND	
	47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	886410	12.5	11.8	
	48 2,4-Dichlorophenol	162	5.039	5.039	0.000	93	557182	12.5	12.7	
	49 1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	595547	12.5	12.0	
*	50 Naphthalene-d8	136	5.161	5.161	0.000	100	779479	5.00	5.00	
	51 Naphthalene	128	5.184	5.184	0.000	97	1961452	12.5	11.7	
	53 4-Chloroaniline	127	5.249	5.248	0.001	94	842209	12.5	12.8	
	54 2,6-Dichlorophenol	162	5.254	5.254	0.000	97	550820	12.5	12.7	
	55 Hexachloropropene	213	5.272	5.272	0.000	87	423082	12.5	11.8	
	56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	352569	12.5	12.0	
	60 Quinoline	129	5.505	5.505	0.000	96	1298945	12.5	12.0	
	61 Caprolactam	113	5.569	5.557	0.012	83	206638	12.5	13.0	
	62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	680998	12.5	12.8	
	63 p-Phenylene diamine	108		5.587				ND	ND	U
	64 4-Chloro-3-methylphenol	107	5.738	5.732	0.006	93	629258	12.5	12.3	
	65 Safrole, Total	162	5.779	5.779	0.000	87	514424	12.5	12.6	
	66 2-Methylnaphthalene	142	5.849	5.849	0.000	91	1254214	12.5	13.3	
	67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	1139294	12.5	11.6	
	68 Hexachlorocyclopentadiene	237		6.000				ND	ND	U
	69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	595441	12.5	11.7	
	70 Isosafrole Peak 1	162	6.059	6.059	0.000	89	67108	1.50	1.54	
	71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	387679	12.5	13.1	
	72 2,4,5-Trichlorophenol	196	6.169	6.164	0.005	94	424441	12.5	13.1	
	74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	532777	11.0	11.3	
	75 1,1'-Biphenyl	154	6.304	6.298	0.006	96	1552592	12.5	12.2	
	76 2-Chloronaphthalene	162	6.309	6.309	0.000	98	1171253	12.5	11.7	
	77 1-Chloronaphthalene	162	6.333	6.327	0.006	97	1137207	12.5	12.9	
	78 Phenyl ether	170	6.403	6.403	0.000	81	832385	12.5	11.6	
	79 2-Nitroaniline	138	6.420	6.414	0.006	82	411083	12.5	13.2	
	81 1,4-Naphthoquinone	158	6.484	6.484	0.000	87	495373	12.5	14.2	
	84 1,4-Dinitrobenzene	168	6.560	6.554	0.006	88	216790	12.5	14.0	
	85 Dimethyl phthalate	163	6.607	6.607	0.000	99	1373251	12.5	12.5	
	86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	226414	12.5	12.4	
	87 2,6-Dinitrotoluene	165	6.659	6.653	0.006	95	307156	12.5	13.1	
	88 Acenaphthylene	152	6.700	6.700	0.000	98	1948234	12.5	12.8	
	89 3-Nitroaniline	138	6.811	6.805	0.006	92	349333	12.5	13.4	
*	90 Acenaphthene-d10	164	6.834	6.834	0.000	94	405310	5.00	5.00	
	91 Acenaphthene	153	6.869	6.863	0.006	95	1234906	12.5	12.0	
	92 2,4-Dinitrophenol	184	6.916	6.910	0.006	90	415298	25.0	25.5	
	94 Pentachlorobenzene	250	6.991	6.991	0.000	98	542815	12.5	12.2	
	93 4-Nitrophenol	109	7.003	7.003	0.000	82	468201	25.0	26.7	
	96 Dibenzofuran	168	7.032	7.032	0.000	97	1696859	12.5	12.0	
	95 2,4-Dinitrotoluene	165	7.038	7.032	0.006	87	426457	12.5	13.2	
	97 1-Naphthylamine	143	7.108	7.108	0.000	98	1083279	12.5	11.2	
	98 2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	340570	12.5	12.6	
	99 2-Naphthylamine	143	7.184	7.184	0.000	95	1301719	12.5	12.7	
	100 Diethyl phthalate	149	7.283	7.277	0.006	98	1363205	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.353	7.347	0.006	80	245510	12.5	11.8	
102 Fluorene	166	7.353	7.353	0.000	93	1329064	12.5	12.1	
103 4-Chlorophenyl phenyl ether	204	7.370	7.364	0.006	89	648170	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	92	402460	12.5	13.4	
105 4-Nitroaniline	138	7.388	7.382	0.006	85	333795	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	511774	25.0	25.8	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	969727	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1428633	12.5	12.6	
110 Sulfotepp	97	7.650	7.650	0.000	78	260500	12.5	12.9	
112 1,3,5-Trinitrobenzene	213	7.755	7.749	0.006	83	147453	12.5	13.3	a
113 cis-Diallate	86	7.761	7.761	0.000	0	476609	9.38	9.56	
114 Phorate	75	7.766	7.766	0.000	95	1221125	12.5	13.7	
115 Phenacetin	108	7.790	7.784	0.006	92	729932	12.5	13.2	
116 4-Bromophenyl phenyl ether	248	7.831	7.825	0.006	62	380869	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	165050	3.13	3.23	
118 Hexachlorobenzene	284	7.871	7.866	0.005	94	414925	12.5	11.7	
119 Dimethoate	87	7.924	7.924	0.000	97	589772	12.5	13.5	
120 Atrazine	200	8.005	8.000	0.005	95	362437	12.5	12.7	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	516955	25.0	25.4	
123 Pentachloronitrobenzene	237	8.075	8.070	0.005	84	184262	12.5	11.7	
122 4-Aminobiphenyl	169	8.075	8.070	0.005	91	1440508	12.5	11.9	
124 Pronamide	173	8.145	8.145	0.000	90	616356	12.5	13.1	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	708255	5.00	5.00	
125 Dinoseb	211	8.256	8.250	0.006	93	364856	12.5	12.6	
128 Phenanthrene	178	8.256	8.256	0.000	98	1838322	12.5	11.8	
127 Disulfoton	88	8.262	8.262	0.000	95	828111	12.5	12.0	
129 Anthracene	178	8.309	8.303	0.006	98	1914243	12.5	12.5	
130 Carbazole	167	8.472	8.466	0.006	96	1792366	12.5	12.5	
131 Methyl parathion	109	8.612	8.612	0.000	91	515267	12.5	14.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2086968	12.5	13.6	
134 Ethyl Parathion	109	8.991	8.990	0.000	84	304441	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	89	155604	12.5	11.3	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	162951	12.5	12.4	
141 Isodrin	193	9.235	9.235	0.000	94	218604	12.5	11.9	
143 Fluoranthene	202	9.381	9.381	0.000	98	2019172	12.5	12.4	
147 Benzidine	184	9.533	9.533	0.001	99	1605048	12.5	15.5	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	696203	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2088449	12.5	11.7	
S 136 Diallate	86				0		12.5	12.8	
154 p-Dimethylamino azobenzene	225	9.906	9.900	0.006	93	385334	12.5	14.6	
155 Chlorobenzilate	139	9.952	9.952	0.000	89	678583	12.5	13.8	
137 Aramite Peak 1	185		9.966				ND	ND	
138 Aramite Peak 2	185		9.983				ND	ND	
139 Aramite Peak 3	185		10.030				ND	ND	
142 Aramite Peak 4	185		10.106				ND	ND	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1103177	12.5	12.4	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	885949	12.5	13.5	
158 2-Acetylaminofluorene	181	10.477	10.471	0.006	94	735552	12.5	12.2	
151 Famphur	218		10.500				ND	ND	
159 3,3'-Dichlorobenzidine	252	10.780	10.774	0.006	74	1010103	12.5	18.8	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1761259	12.5	12.6	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	94	388936	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.815	0.006	97	1703379	12.5	12.2	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1148145	12.5	12.8	
164 6-Methylchrysene	242	11.334	11.328	0.006	99	1185734	12.5	12.6	
165 Di-n-octyl phthalate	149	11.660	11.654	0.006	98	1816168	12.5	13.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.033	0.006	88	794235	12.5	13.8	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	97	1784165	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.074	12.068	0.006	99	1687213	12.5	12.4	
169 Benzo[a]pyrene	252	12.447	12.441	0.006	77	1600400	12.5	13.6	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	537213	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	786924	12.5	13.7	
172 Dibenz[a,h]acridine	279	13.659	13.653	0.006	91	1247469	12.5	14.3	
173 Dibenz[a,j]acridine	279	13.729	13.723	0.006	96	1325217	12.5	14.0	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.945	0.006	99	1328823	12.5	12.5	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	93	1440183	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.300	14.294	0.006	98	1410504	12.5	12.5	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

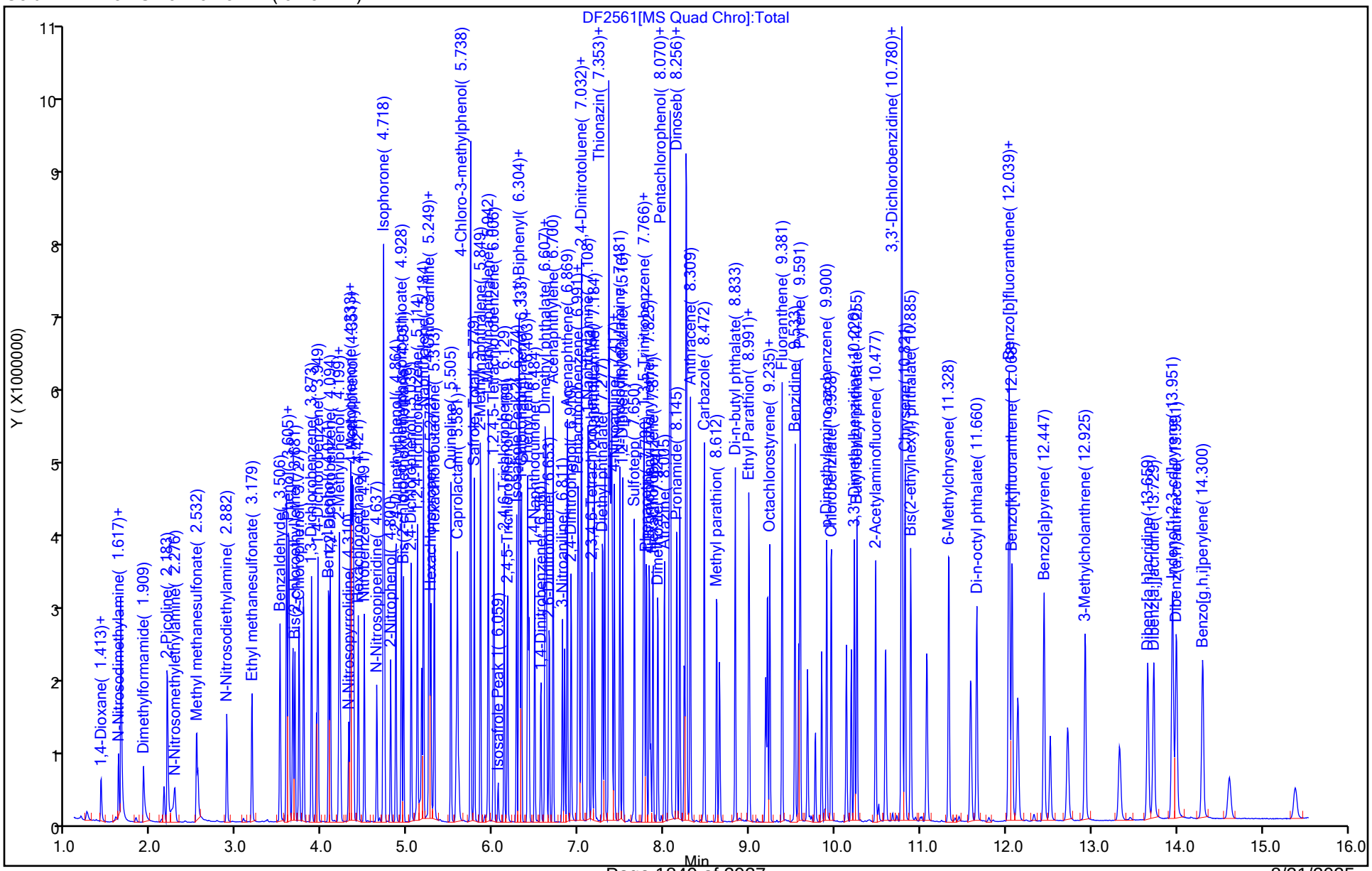
Report Date: 26-Jun-2025 08:33:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D

Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 05/27/2025 12:48

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/27/2025 12:48

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0457				1.25		
Aramite Peak 2	Ave	0.0453				1.25		
Aramite Peak 3	Ave	0.1365				5.00		
Aramite Peak 4	Ave	0.1702				5.00		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 03:14:29 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151574-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:58 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:37:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	90	259965	12.5	10.9	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	417300	12.5	12.2	
4 Pyridine	79	1.641	1.646	-0.005	95	1373858	25.0	22.7	
6 Dimethylformamide	73	1.909	1.914	-0.005	89	482525	12.5	13.0	
7 2-Picoline	93	2.183	2.188	-0.005	90	822618	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	82	352457	12.5	11.6	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	428641	12.5	12.2	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	369162	12.5	12.2	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	397472	12.5	12.1	
15 Benzaldehyde	77	3.506	3.506	0.000	97	553360	12.5	10.4	
17 Phenol	94	3.605	3.599	0.006	88	1031720	12.5	11.8	
18 Aniline	93	3.611	3.611	0.000	92	1253531	12.5	12.1	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	99	745491	12.5	11.8	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	689185	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	752286	12.5	11.6	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	216105	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	757599	12.5	11.8	
25 Benzyl alcohol	108	4.077	4.071	0.006	92	499629	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	724666	12.5	11.8	
14 Indene	115		4.182				ND	ND	
28 2-Methylphenol	108	4.199	4.193	0.006	95	671350	12.5	12.3	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.205	0.006	92	658571	12.5	11.5	
31 N-Nitrosopyrrolidine	100	4.310	4.304	0.006	91	407583	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	1083208	12.5	11.9	
33 N-Nitrosodi-n-propylamine	70	4.339	4.333	0.006	72	529815	12.5	12.0	
32 4-Methylphenol	108	4.351	4.345	0.006	89	778658	12.5	12.4	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	86	398008	12.5	12.1	
36 2-Toluidine	106	4.363	4.363	0.001	96	1229358	12.5	12.5	
38 Hexachloroethane	117	4.421	4.421	0.000	96	302322	12.5	11.2	
40 Nitrobenzene	77	4.491	4.491	0.000	83	774823	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.637	4.636	0.001	88	368721	12.5	12.6	
	43 Isophorone	82	4.730	4.724	0.006	96	1378061	12.5	12.1	
	44 2-Nitrophenol	139	4.800	4.800	0.000	89	361359	12.5	12.9	
	45 2,4-Dimethylphenol	107	4.864	4.858	0.006	95	748318	12.5	12.3	
	46 o,o',o''-Triethylphosphorothioat	198	4.928	4.922	0.006	88	344903	12.5	12.4	
	30 Benzoic acid	105		4.945				ND	ND	
	47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	886410	12.5	11.8	
	48 2,4-Dichlorophenol	162	5.039	5.039	0.000	93	557182	12.5	12.7	
	49 1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	595547	12.5	12.0	
*	50 Naphthalene-d8	136	5.161	5.161	0.000	100	779479	5.00	5.00	
	51 Naphthalene	128	5.184	5.184	0.000	97	1961452	12.5	11.7	
	53 4-Chloroaniline	127	5.249	5.248	0.001	94	842209	12.5	12.8	
	54 2,6-Dichlorophenol	162	5.254	5.254	0.000	97	550820	12.5	12.7	
	55 Hexachloropropene	213	5.272	5.272	0.000	87	423082	12.5	11.8	
	56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	352569	12.5	12.0	
	60 Quinoline	129	5.505	5.505	0.000	96	1298945	12.5	12.0	
	61 Caprolactam	113	5.569	5.557	0.012	83	206638	12.5	13.0	
	62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	680998	12.5	12.8	
	63 p-Phenylene diamine	108		5.587				ND	ND	U
	64 4-Chloro-3-methylphenol	107	5.738	5.732	0.006	93	629258	12.5	12.3	
	65 Safrole, Total	162	5.779	5.779	0.000	87	514424	12.5	12.6	
	66 2-Methylnaphthalene	142	5.849	5.849	0.000	91	1254214	12.5	13.3	
	67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	1139294	12.5	11.6	
	68 Hexachlorocyclopentadiene	237		6.000				ND	ND	U
	69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	595441	12.5	11.7	
	70 Isosafrole Peak 1	162	6.059	6.059	0.000	89	67108	1.50	1.54	
	71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	387679	12.5	13.1	
	72 2,4,5-Trichlorophenol	196	6.169	6.164	0.005	94	424441	12.5	13.1	
	74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	532777	11.0	11.3	
	75 1,1'-Biphenyl	154	6.304	6.298	0.006	96	1552592	12.5	12.2	
	76 2-Chloronaphthalene	162	6.309	6.309	0.000	98	1171253	12.5	11.7	
	77 1-Chloronaphthalene	162	6.333	6.327	0.006	97	1137207	12.5	12.9	
	78 Phenyl ether	170	6.403	6.403	0.000	81	832385	12.5	11.6	
	79 2-Nitroaniline	138	6.420	6.414	0.006	82	411083	12.5	13.2	
	81 1,4-Naphthoquinone	158	6.484	6.484	0.000	87	495373	12.5	14.2	
	84 1,4-Dinitrobenzene	168	6.560	6.554	0.006	88	216790	12.5	14.0	
	85 Dimethyl phthalate	163	6.607	6.607	0.000	99	1373251	12.5	12.5	
	86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	226414	12.5	12.4	
	87 2,6-Dinitrotoluene	165	6.659	6.653	0.006	95	307156	12.5	13.1	
	88 Acenaphthylene	152	6.700	6.700	0.000	98	1948234	12.5	12.8	
	89 3-Nitroaniline	138	6.811	6.805	0.006	92	349333	12.5	13.4	
*	90 Acenaphthene-d10	164	6.834	6.834	0.000	94	405310	5.00	5.00	
	91 Acenaphthene	153	6.869	6.863	0.006	95	1234906	12.5	12.0	
	92 2,4-Dinitrophenol	184	6.916	6.910	0.006	90	415298	25.0	25.5	
	94 Pentachlorobenzene	250	6.991	6.991	0.000	98	542815	12.5	12.2	
	93 4-Nitrophenol	109	7.003	7.003	0.000	82	468201	25.0	26.7	
	96 Dibenzofuran	168	7.032	7.032	0.000	97	1696859	12.5	12.0	
	95 2,4-Dinitrotoluene	165	7.038	7.032	0.006	87	426457	12.5	13.2	
	97 1-Naphthylamine	143	7.108	7.108	0.000	98	1083279	12.5	11.2	
	98 2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	340570	12.5	12.6	
	99 2-Naphthylamine	143	7.184	7.184	0.000	95	1301719	12.5	12.7	
	100 Diethyl phthalate	149	7.283	7.277	0.006	98	1363205	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.353	7.347	0.006	80	245510	12.5	11.8	
102 Fluorene	166	7.353	7.353	0.000	93	1329064	12.5	12.1	
103 4-Chlorophenyl phenyl ether	204	7.370	7.364	0.006	89	648170	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	92	402460	12.5	13.4	
105 4-Nitroaniline	138	7.388	7.382	0.006	85	333795	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	511774	25.0	25.8	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	969727	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1428633	12.5	12.6	
110 Sulfotepp	97	7.650	7.650	0.000	78	260500	12.5	12.9	
112 1,3,5-Trinitrobenzene	213	7.755	7.749	0.006	83	147453	12.5	13.3	a
113 cis-Diallate	86	7.761	7.761	0.000	0	476609	9.38	9.56	
114 Phorate	75	7.766	7.766	0.000	95	1221125	12.5	13.7	
115 Phenacetin	108	7.790	7.784	0.006	92	729932	12.5	13.2	
116 4-Bromophenyl phenyl ether	248	7.831	7.825	0.006	62	380869	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	165050	3.13	3.23	
118 Hexachlorobenzene	284	7.871	7.866	0.005	94	414925	12.5	11.7	
119 Dimethoate	87	7.924	7.924	0.000	97	589772	12.5	13.5	
120 Atrazine	200	8.005	8.000	0.005	95	362437	12.5	12.7	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	516955	25.0	25.4	
123 Pentachloronitrobenzene	237	8.075	8.070	0.005	84	184262	12.5	11.7	
122 4-Aminobiphenyl	169	8.075	8.070	0.005	91	1440508	12.5	11.9	
124 Pronamide	173	8.145	8.145	0.000	90	616356	12.5	13.1	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	708255	5.00	5.00	
125 Dinoseb	211	8.256	8.250	0.006	93	364856	12.5	12.6	
128 Phenanthrene	178	8.256	8.256	0.000	98	1838322	12.5	11.8	
127 Disulfoton	88	8.262	8.262	0.000	95	828111	12.5	12.0	
129 Anthracene	178	8.309	8.303	0.006	98	1914243	12.5	12.5	
130 Carbazole	167	8.472	8.466	0.006	96	1792366	12.5	12.5	
131 Methyl parathion	109	8.612	8.612	0.000	91	515267	12.5	14.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2086968	12.5	13.6	
134 Ethyl Parathion	109	8.991	8.990	0.000	84	304441	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	89	155604	12.5	11.3	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	162951	12.5	12.4	
141 Isodrin	193	9.235	9.235	0.000	94	218604	12.5	11.9	
143 Fluoranthene	202	9.381	9.381	0.000	98	2019172	12.5	12.4	
147 Benzidine	184	9.533	9.533	0.001	99	1605048	12.5	15.5	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	696203	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2088449	12.5	11.7	
S 136 Diallate	86				0		12.5	12.8	
154 p-Dimethylamino azobenzene	225	9.906	9.900	0.006	93	385334	12.5	14.6	
155 Chlorobenzilate	139	9.952	9.952	0.000	89	678583	12.5	13.8	
137 Aramite Peak 1	185		9.966				ND	ND	
138 Aramite Peak 2	185		9.983				ND	ND	
139 Aramite Peak 3	185		10.030				ND	ND	
142 Aramite Peak 4	185		10.106				ND	ND	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1103177	12.5	12.4	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	885949	12.5	13.5	
158 2-Acetylaminofluorene	181	10.477	10.471	0.006	94	735552	12.5	12.2	
151 Famphur	218		10.500				ND	ND	
159 3,3'-Dichlorobenzidine	252	10.780	10.774	0.006	74	1010103	12.5	18.8	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1761259	12.5	12.6	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	94	388936	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.815	0.006	97	1703379	12.5	12.2	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1148145	12.5	12.8	
164 6-Methylchrysene	242	11.334	11.328	0.006	99	1185734	12.5	12.6	
165 Di-n-octyl phthalate	149	11.660	11.654	0.006	98	1816168	12.5	13.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.033	0.006	88	794235	12.5	13.8	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	97	1784165	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.074	12.068	0.006	99	1687213	12.5	12.4	
169 Benzo[a]pyrene	252	12.447	12.441	0.006	77	1600400	12.5	13.6	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	537213	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	786924	12.5	13.7	
172 Dibenz[a,h]acridine	279	13.659	13.653	0.006	91	1247469	12.5	14.3	
173 Dibenz[a,j]acridine	279	13.729	13.723	0.006	96	1325217	12.5	14.0	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.945	0.006	99	1328823	12.5	12.5	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	93	1440183	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.300	14.294	0.006	98	1410504	12.5	12.5	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

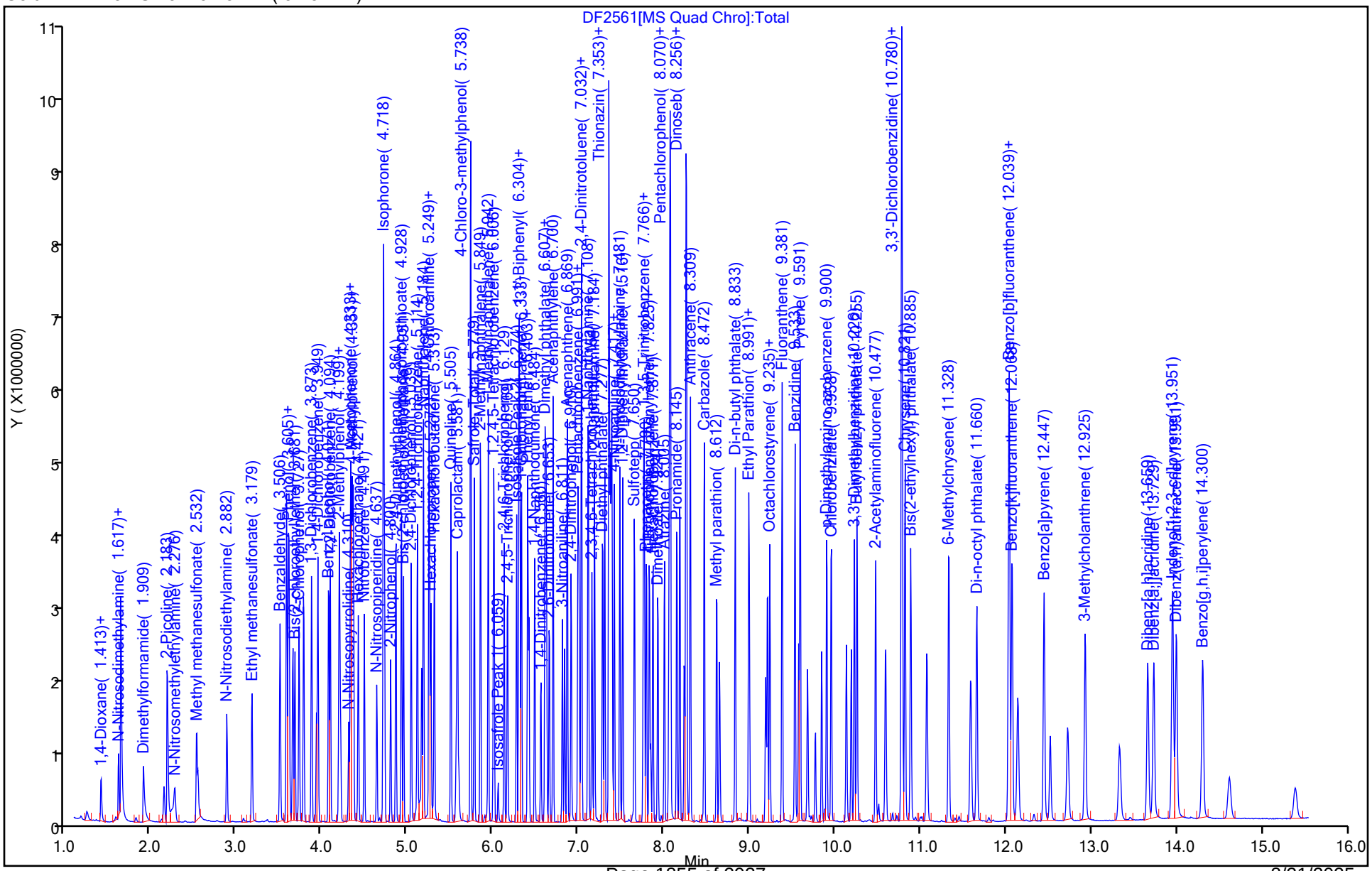
Report Date: 26-Jun-2025 08:33:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D

Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/18/2025 21:37

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/18/2025 23:22

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.3932				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 03:14:29 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151574-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:58 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:37:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	90	259965	12.5	10.9	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	417300	12.5	12.2	
4 Pyridine	79	1.641	1.646	-0.005	95	1373858	25.0	22.7	
6 Dimethylformamide	73	1.909	1.914	-0.005	89	482525	12.5	13.0	
7 2-Picoline	93	2.183	2.188	-0.005	90	822618	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	82	352457	12.5	11.6	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	428641	12.5	12.2	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	369162	12.5	12.2	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	397472	12.5	12.1	
15 Benzaldehyde	77	3.506	3.506	0.000	97	553360	12.5	10.4	
17 Phenol	94	3.605	3.599	0.006	88	1031720	12.5	11.8	
18 Aniline	93	3.611	3.611	0.000	92	1253531	12.5	12.1	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	99	745491	12.5	11.8	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	689185	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	752286	12.5	11.6	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	216105	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	757599	12.5	11.8	
25 Benzyl alcohol	108	4.077	4.071	0.006	92	499629	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	724666	12.5	11.8	
14 Indene	115		4.182				ND	ND	
28 2-Methylphenol	108	4.199	4.193	0.006	95	671350	12.5	12.3	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.205	0.006	92	658571	12.5	11.5	
31 N-Nitrosopyrrolidine	100	4.310	4.304	0.006	91	407583	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	1083208	12.5	11.9	
33 N-Nitrosodi-n-propylamine	70	4.339	4.333	0.006	72	529815	12.5	12.0	
32 4-Methylphenol	108	4.351	4.345	0.006	89	778658	12.5	12.4	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	86	398008	12.5	12.1	
36 2-Toluidine	106	4.363	4.363	0.001	96	1229358	12.5	12.5	
38 Hexachloroethane	117	4.421	4.421	0.000	96	302322	12.5	11.2	
40 Nitrobenzene	77	4.491	4.491	0.000	83	774823	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	42 N-Nitrosopiperidine	114	4.637	4.636	0.001	88	368721	12.5	12.6	
	43 Isophorone	82	4.730	4.724	0.006	96	1378061	12.5	12.1	
	44 2-Nitrophenol	139	4.800	4.800	0.000	89	361359	12.5	12.9	
	45 2,4-Dimethylphenol	107	4.864	4.858	0.006	95	748318	12.5	12.3	
	46 o,o',o''-Triethylphosphorothioat	198	4.928	4.922	0.006	88	344903	12.5	12.4	
	30 Benzoic acid	105		4.945				ND	ND	
	47 Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	886410	12.5	11.8	
	48 2,4-Dichlorophenol	162	5.039	5.039	0.000	93	557182	12.5	12.7	
	49 1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	595547	12.5	12.0	
*	50 Naphthalene-d8	136	5.161	5.161	0.000	100	779479	5.00	5.00	
	51 Naphthalene	128	5.184	5.184	0.000	97	1961452	12.5	11.7	
	53 4-Chloroaniline	127	5.249	5.248	0.001	94	842209	12.5	12.8	
	54 2,6-Dichlorophenol	162	5.254	5.254	0.000	97	550820	12.5	12.7	
	55 Hexachloropropene	213	5.272	5.272	0.000	87	423082	12.5	11.8	
	56 Hexachlorobutadiene	225	5.313	5.313	0.000	96	352569	12.5	12.0	
	60 Quinoline	129	5.505	5.505	0.000	96	1298945	12.5	12.0	
	61 Caprolactam	113	5.569	5.557	0.012	83	206638	12.5	13.0	
	62 N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	680998	12.5	12.8	
	63 p-Phenylene diamine	108		5.587				ND	ND	U
	64 4-Chloro-3-methylphenol	107	5.738	5.732	0.006	93	629258	12.5	12.3	
	65 Safrole, Total	162	5.779	5.779	0.000	87	514424	12.5	12.6	
	66 2-Methylnaphthalene	142	5.849	5.849	0.000	91	1254214	12.5	13.3	
	67 1-Methylnaphthalene	142	5.942	5.942	0.000	91	1139294	12.5	11.6	
	68 Hexachlorocyclopentadiene	237		6.000				ND	ND	U
	69 1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	595441	12.5	11.7	
	70 Isosafrole Peak 1	162	6.059	6.059	0.000	89	67108	1.50	1.54	
	71 2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	387679	12.5	13.1	
	72 2,4,5-Trichlorophenol	196	6.169	6.164	0.005	94	424441	12.5	13.1	
	74 Isosafrole Peak 2	162	6.274	6.274	0.000	90	532777	11.0	11.3	
	75 1,1'-Biphenyl	154	6.304	6.298	0.006	96	1552592	12.5	12.2	
	76 2-Chloronaphthalene	162	6.309	6.309	0.000	98	1171253	12.5	11.7	
	77 1-Chloronaphthalene	162	6.333	6.327	0.006	97	1137207	12.5	12.9	
	78 Phenyl ether	170	6.403	6.403	0.000	81	832385	12.5	11.6	
	79 2-Nitroaniline	138	6.420	6.414	0.006	82	411083	12.5	13.2	
	81 1,4-Naphthoquinone	158	6.484	6.484	0.000	87	495373	12.5	14.2	
	84 1,4-Dinitrobenzene	168	6.560	6.554	0.006	88	216790	12.5	14.0	
	85 Dimethyl phthalate	163	6.607	6.607	0.000	99	1373251	12.5	12.5	
	86 1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	226414	12.5	12.4	
	87 2,6-Dinitrotoluene	165	6.659	6.653	0.006	95	307156	12.5	13.1	
	88 Acenaphthylene	152	6.700	6.700	0.000	98	1948234	12.5	12.8	
	89 3-Nitroaniline	138	6.811	6.805	0.006	92	349333	12.5	13.4	
*	90 Acenaphthene-d10	164	6.834	6.834	0.000	94	405310	5.00	5.00	
	91 Acenaphthene	153	6.869	6.863	0.006	95	1234906	12.5	12.0	
	92 2,4-Dinitrophenol	184	6.916	6.910	0.006	90	415298	25.0	25.5	
	94 Pentachlorobenzene	250	6.991	6.991	0.000	98	542815	12.5	12.2	
	93 4-Nitrophenol	109	7.003	7.003	0.000	82	468201	25.0	26.7	
	96 Dibenzofuran	168	7.032	7.032	0.000	97	1696859	12.5	12.0	
	95 2,4-Dinitrotoluene	165	7.038	7.032	0.006	87	426457	12.5	13.2	
	97 1-Naphthylamine	143	7.108	7.108	0.000	98	1083279	12.5	11.2	
	98 2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	340570	12.5	12.6	
	99 2-Naphthylamine	143	7.184	7.184	0.000	95	1301719	12.5	12.7	
	100 Diethyl phthalate	149	7.283	7.277	0.006	98	1363205	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.353	7.347	0.006	80	245510	12.5	11.8	
102 Fluorene	166	7.353	7.353	0.000	93	1329064	12.5	12.1	
103 4-Chlorophenyl phenyl ether	204	7.370	7.364	0.006	89	648170	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	92	402460	12.5	13.4	
105 4-Nitroaniline	138	7.388	7.382	0.006	85	333795	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	511774	25.0	25.8	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	969727	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1428633	12.5	12.6	
110 Sulfotepp	97	7.650	7.650	0.000	78	260500	12.5	12.9	
112 1,3,5-Trinitrobenzene	213	7.755	7.749	0.006	83	147453	12.5	13.3	a
113 cis-Diallate	86	7.761	7.761	0.000	0	476609	9.38	9.56	
114 Phorate	75	7.766	7.766	0.000	95	1221125	12.5	13.7	
115 Phenacetin	108	7.790	7.784	0.006	92	729932	12.5	13.2	
116 4-Bromophenyl phenyl ether	248	7.831	7.825	0.006	62	380869	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	165050	3.13	3.23	
118 Hexachlorobenzene	284	7.871	7.866	0.005	94	414925	12.5	11.7	
119 Dimethoate	87	7.924	7.924	0.000	97	589772	12.5	13.5	
120 Atrazine	200	8.005	8.000	0.005	95	362437	12.5	12.7	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	516955	25.0	25.4	
123 Pentachloronitrobenzene	237	8.075	8.070	0.005	84	184262	12.5	11.7	
122 4-Aminobiphenyl	169	8.075	8.070	0.005	91	1440508	12.5	11.9	
124 Pronamide	173	8.145	8.145	0.000	90	616356	12.5	13.1	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	708255	5.00	5.00	
125 Dinoseb	211	8.256	8.250	0.006	93	364856	12.5	12.6	
128 Phenanthrene	178	8.256	8.256	0.000	98	1838322	12.5	11.8	
127 Disulfoton	88	8.262	8.262	0.000	95	828111	12.5	12.0	
129 Anthracene	178	8.309	8.303	0.006	98	1914243	12.5	12.5	
130 Carbazole	167	8.472	8.466	0.006	96	1792366	12.5	12.5	
131 Methyl parathion	109	8.612	8.612	0.000	91	515267	12.5	14.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2086968	12.5	13.6	
134 Ethyl Parathion	109	8.991	8.990	0.000	84	304441	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	89	155604	12.5	11.3	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	162951	12.5	12.4	
141 Isodrin	193	9.235	9.235	0.000	94	218604	12.5	11.9	
143 Fluoranthene	202	9.381	9.381	0.000	98	2019172	12.5	12.4	
147 Benzidine	184	9.533	9.533	0.001	99	1605048	12.5	15.5	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	696203	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2088449	12.5	11.7	
S 136 Diallate	86				0		12.5	12.8	
154 p-Dimethylamino azobenzene	225	9.906	9.900	0.006	93	385334	12.5	14.6	
155 Chlorobenzilate	139	9.952	9.952	0.000	89	678583	12.5	13.8	
137 Aramite Peak 1	185		9.966				ND	ND	
138 Aramite Peak 2	185		9.983				ND	ND	
139 Aramite Peak 3	185		10.030				ND	ND	
142 Aramite Peak 4	185		10.106				ND	ND	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1103177	12.5	12.4	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	885949	12.5	13.5	
158 2-Acetylaminofluorene	181	10.477	10.471	0.006	94	735552	12.5	12.2	
151 Famphur	218		10.500				ND	ND	
159 3,3'-Dichlorobenzidine	252	10.780	10.774	0.006	74	1010103	12.5	18.8	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1761259	12.5	12.6	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	94	388936	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.815	0.006	97	1703379	12.5	12.2	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1148145	12.5	12.8	
164 6-Methylchrysene	242	11.334	11.328	0.006	99	1185734	12.5	12.6	
165 Di-n-octyl phthalate	149	11.660	11.654	0.006	98	1816168	12.5	13.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.033	0.006	88	794235	12.5	13.8	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	97	1784165	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.074	12.068	0.006	99	1687213	12.5	12.4	
169 Benzo[a]pyrene	252	12.447	12.441	0.006	77	1600400	12.5	13.6	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	537213	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	786924	12.5	13.7	
172 Dibenz[a,h]acridine	279	13.659	13.653	0.006	91	1247469	12.5	14.3	
173 Dibenz[a,j]acridine	279	13.729	13.723	0.006	96	1325217	12.5	14.0	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.945	0.006	99	1328823	12.5	12.5	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	93	1440183	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.300	14.294	0.006	98	1410504	12.5	12.5	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

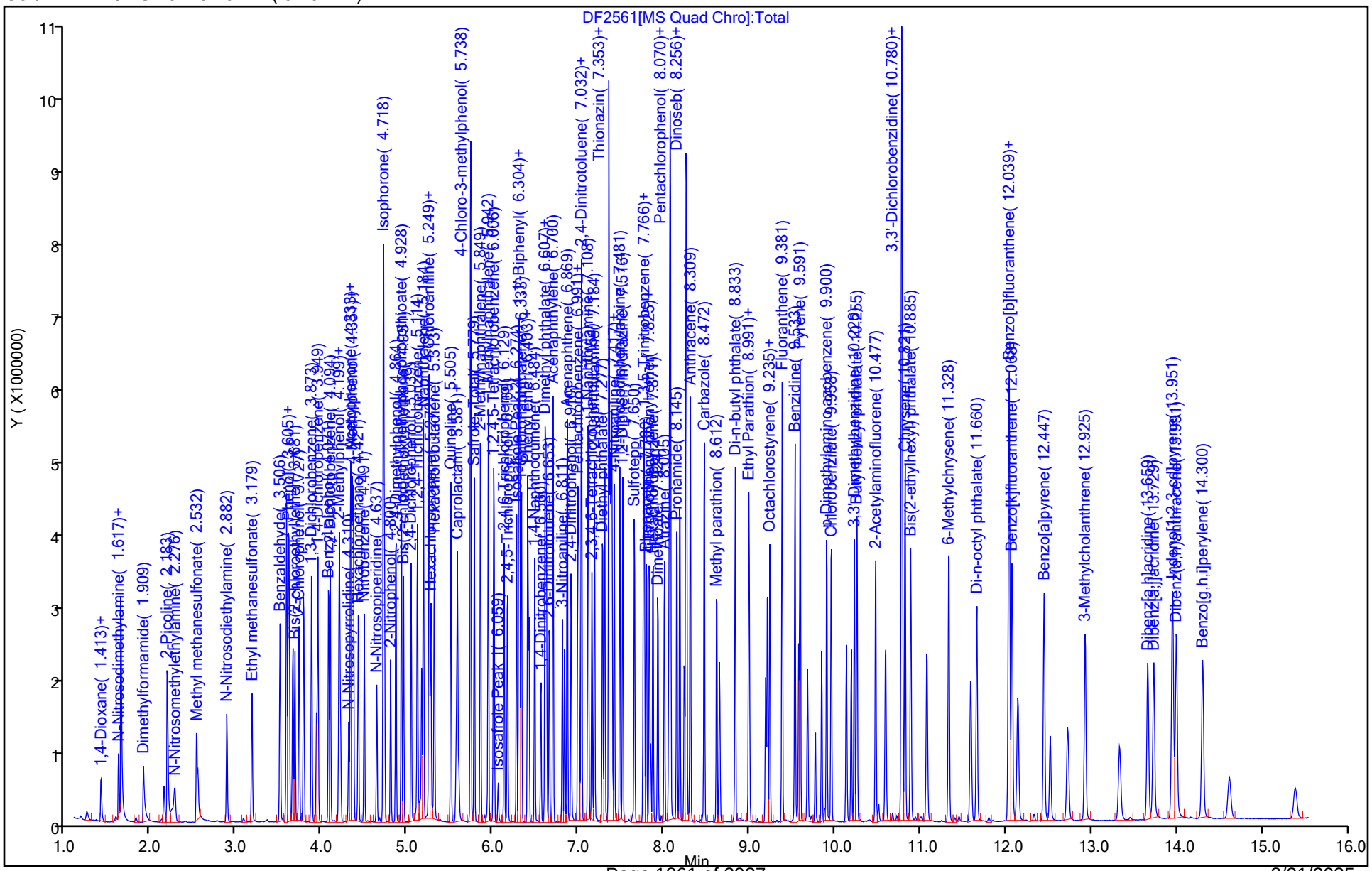
Report Date: 26-Jun-2025 08:33:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D

Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-662998/12
Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760
Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)
Calib End Date: 06/26/2025 02:03

Lab File ID: DF2561.D
Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5526	0.4812		10.9	12.5	-12.9	30.0
N-Nitrosodimethylamine	Ave	0.7904	0.7724		12.2	12.5	-2.3	30.0
Pyridine	Ave	1.397	1.271		22.7	25.0	-9.0	30.0
N,N-dimethylformamide	Ave	0.8573	0.8931			12.5	4.2	30.0
2-Picoline	Ave	1.587	1.523		12.0	12.5	-4.1	30.0
N-Nitrosomethylethylamine	Ave	0.7005	0.6524		11.6	12.5	-6.9	30.0
Methyl methanesulfonate	Ave	0.8114	0.7934		12.2	12.5	-2.2	30.0
N-Nitrosodiethylamine	Ave	0.6988	0.6833		12.2	12.5	-2.2	30.0
Ethyl methanesulfonate	Ave	0.7625	0.7357		12.1	12.5	-3.5	30.0
Benzaldehyde	Ave	1.231	1.024	0.0100	10.4	12.5	-16.8	30.0
Phenol	Ave	2.026	1.910	0.8000	11.8	12.5	-5.7	30.0
Aniline	Ave	2.399	2.320		12.1	12.5	-3.3	30.0
Bis(2-chloroethyl)ether	Ave	1.467	1.380	0.7000	11.8	12.5	-5.9	30.0
2-Chlorophenol	Ave	1.320	1.276	0.8000	12.1	12.5	-3.4	30.0
1,3-Dichlorobenzene	Ave	1.499	1.392		11.6	12.5	-7.1	30.0
1,4-Dichlorobenzene	Ave	1.483	1.402		11.8	12.5	-5.5	30.0
Benzyl alcohol	Ave	0.9106	0.9248		12.7	12.5	1.6	30.0
1,2-Dichlorobenzene	Ave	1.422	1.341		11.8	12.5	-5.7	30.0
2-Methylphenol	Ave	1.258	1.243	0.7000	12.3	12.5	-1.3	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.321	1.219	0.0100	11.5	12.5	-7.7	30.0
N-Nitrosopyrrolidine	Ave	0.7406	0.7544		12.7	12.5	1.9	30.0
Acetophenone	Ave	2.102	2.005	0.0100	11.9	12.5	-4.6	30.0
N-Nitrosodi-n-propylamine	Ave	1.024	0.9807	0.5000	12.0	12.5	-4.2	30.0
3,4-Methylphenol	Ave	1.452	1.441	0.6000	12.4	12.5	-0.8	30.0
N-Nitrosomorpholine	Ave	0.7630	0.7367		12.1	12.5	-3.4	30.0
2-Toluidine	Ave	2.272	2.275		12.5	12.5	0.2	30.0
Hexachloroethane	Ave	0.6238	0.5596	0.3000	11.2	12.5	-10.3	30.0
Nitrobenzene	Ave	0.4134	0.3976	0.2000	12.0	12.5	-3.8	30.0
N-Nitrosopiperidine	Ave	0.1879	0.1892		12.6	12.5	0.7	30.0
Isophorone	Ave	0.7311	0.7072	0.4000	12.1	12.5	-3.3	30.0
2-Nitrophenol	Ave	0.1797	0.1854	0.1000	12.9	12.5	3.2	30.0
2,4-Dimethylphenol	Ave	0.3897	0.3840	0.2000	12.3	12.5	-1.5	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1791	0.1770		12.4	12.5	-1.2	30.0
Bis(2-chloroethoxy)methane	Ave	0.4808	0.4549	0.3000	11.8	12.5	-5.4	30.0
2,4-Dichlorophenol	Ave	0.2811	0.2859	0.2000	12.7	12.5	1.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3194	0.3056		12.0	12.5	-4.3	30.0
Naphthalene	Ave	1.074	1.007	0.7000	11.7	12.5	-6.3	30.0
4-Chloroaniline	Ave	0.4237	0.4322	0.0100	12.8	12.5	2.0	30.0
2,6-Dichlorophenol	Ave	0.2782	0.2827		12.7	12.5	1.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2295	0.2171		11.8	12.5	-5.4	30.0
Hexachlorobutadiene	Ave	0.1883	0.1809	0.0100	12.0	12.5	-3.9	30.0
Quinoline	Ave	0.6933	0.6666		12.0	12.5	-3.9	30.0
Caprolactam	Ave	0.1016	0.1060	0.0100	13.0	12.5	4.3	30.0
N-Nitrosodi-n-butylamine	Ave	0.3409	0.3495		12.8	12.5	2.5	30.0
4-Chloro-3-methylphenol	Ave	0.3269	0.3229	0.2000	12.3	12.5	-1.2	30.0
Safrole, Total	Ave	0.2611	0.2640		12.6	12.5	1.1	30.0
2-Methylnaphthalene	Ave	0.6044	0.6436	0.4000	13.3	12.5	6.5	30.0
1-Methylnaphthalene	Ave	0.6301	0.5846		11.6	12.5	-7.2	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6252	0.5876	0.0100	11.7	12.5	-6.0	30.0
Isosafrole Peak 1	Ave	0.5382	0.5519		1.54	1.50	2.5	30.0
2,4,6-Trichlorophenol	Ave	0.3651	0.3826	0.2000	13.1	12.5	4.8	30.0
2,4,5-Trichlorophenol	Ave	0.4005	0.4189	0.2000	13.1	12.5	4.6	30.0
Isosafrole Peak 2	Ave	0.5818	0.5975		11.3	11.0	2.7	30.0
1,1'-Biphenyl	Ave	1.573	1.532	0.0100	12.2	12.5	-2.6	30.0
2-Chloronaphthalene	Ave	1.233	1.156	0.8000	11.7	12.5	-6.3	30.0
1-Chloronaphthalene	Ave	1.091	1.122		12.9	12.5	2.8	30.0
Diphenyl ether	Ave	0.8831	0.8215		11.6	12.5	-7.0	30.0
2-Nitroaniline	Ave	0.3842	0.4057	0.0100	13.2	12.5	5.6	30.0
1,4-Naphthoquinone	Ave	0.4317	0.4889			12.5	13.2	30.0
1,4-Dinitrobenzene	Ave	0.1907	0.2139		14.0	12.5	12.2	30.0
Dimethyl phthalate	Ave	1.357	1.355	0.0100	12.5	12.5	-0.1	30.0
1,3-Dinitrobenzene	Ave	0.2245	0.2234		12.4	12.5	-0.5	30.0
2,6-Dinitrotoluene	Ave	0.2892	0.3031	0.2000	13.1	12.5	4.8	30.0
Acenaphthylene	Ave	1.885	1.923	0.9000	12.8	12.5	2.0	30.0
3-Nitroaniline	Ave	0.3222	0.3448	0.0100	13.4	12.5	7.0	30.0
Acenaphthene	Ave	1.274	1.219	0.9000	12.0	12.5	-4.4	30.0
2,4-Dinitrophenol	Ave	0.2009	0.2049	0.0100	25.5	25.0	2.0	30.0
Pentachlorobenzene	Ave	0.5474	0.5357		12.2	12.5	-2.1	30.0
4-Nitrophenol	Ave	0.2160	0.2310	0.0100	26.7	25.0	7.0	30.0
Dibenzofuran	Ave	1.743	1.675	0.8000	12.0	12.5	-3.9	30.0
2,4-Dinitrotoluene	Ave	0.3982	0.4209	0.2000	13.2	12.5	5.7	30.0
1-Naphthylamine	Ave	1.194	1.069		11.2	12.5	-10.5	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3326	0.3361	0.0100	12.6	12.5	1.1	30.0
2-Naphthylamine	Ave	1.260	1.285		12.7	12.5	1.9	30.0
Diethyl phthalate	Ave	1.367	1.345	0.0100	12.3	12.5	-1.5	30.0
Fluorene	Ave	1.358	1.312	0.9000	12.1	12.5	-3.4	30.0
Thionazin	Ave	0.2563	0.2423		11.8	12.5	-5.5	30.0
4-Chlorophenyl phenyl ether	Ave	0.6715	0.6397	0.4000	11.9	12.5	-4.7	30.0
5-Nitro-o-toluidine	Ave	0.3696	0.3972		13.4	12.5	7.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Ave	0.3171	0.3294	0.0100	13.0	12.5	3.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1402	0.1445	0.0100	25.8	25.0	3.1	30.0
N-Nitrosodiphenylamine	Ave	0.6407	0.6443	0.0100	10.7	10.6	0.6	30.0
1,2-Diphenylhydrazine	Ave	0.8015	0.8068		12.6	12.5	0.7	30.0
Sulfotepp	Ave	0.1426	0.1471		12.9	12.5	3.2	30.0
1,3,5-Trinitrobenzene	Ave	0.0785	0.0833			12.5	6.1	30.0
cis-Diallate	Ave	0.3520	0.3589		9.56	9.38	2.0	30.0
Phorate	Qua2		0.6897		13.7	12.5	9.6	30.0
Phenacetin	Ave	0.3918	0.4122		13.2	12.5	5.2	30.0
4-Bromophenyl phenyl ether	Ave	0.2234	0.2151	0.1000	12.0	12.5	-3.7	30.0
trans-Diallate	Ave	0.3611	0.3729		3.23	3.13	3.3	30.0
Hexachlorobenzene	Ave	0.2503	0.2343	0.1000	11.7	12.5	-6.4	30.0
Dimethoate	Ave	0.3078	0.3331		13.5	12.5	8.2	30.0
Atrazine	Ave	0.2018	0.2047	0.0100	12.7	12.5	1.4	30.0
Pentachlorophenol	Ave	0.1434	0.1460	0.0500	25.4	25.0	1.8	30.0
4-Aminobiphenyl	Ave	0.8530	0.8136		11.9	12.5	-4.6	30.0
Pentachloronitrobenzene	Ave	0.1111	0.1041		11.7	12.5	-6.3	30.0
Pronamide	Ave	0.3330	0.3481		13.1	12.5	4.5	30.0
Dinoseb	Ave	0.2041	0.2061		12.6	12.5	1.0	30.0
Phenanthrene	Ave	1.104	1.038	0.7000	11.8	12.5	-6.0	30.0
Disulfoton	Ave	0.4852	0.4677			12.5	-3.6	30.0
Anthracene	Ave	1.083	1.081	0.7000	12.5	12.5	-0.2	30.0
Carbazole	Ave	1.014	1.012	0.0100	12.5	12.5	-0.1	30.0
Methyl parathion	Ave	0.2450	0.2910		14.8	12.5	18.8	30.0
Di-n-butyl phthalate	Ave	1.083	1.179	0.0100	13.6	12.5	8.9	30.0
Parathion	Ave	0.1450	0.1719		14.8	12.5	18.6	30.0
4-Nitroquinoline-1-oxide	Lin2		0.0879			12.5	-9.5	30.0
Octachlorostyrene	Ave	0.0930	0.0920		12.4	12.5	-1.1	30.0
Isodrin	Ave	0.1301	0.1235		11.9	12.5	-5.1	30.0
Fluoranthene	Ave	1.149	1.140	0.6000	12.4	12.5	-0.7	30.0
Benzidine	Ave	0.7459	0.9222		15.5	12.5	23.6	30.0
Pyrene	Ave	1.278	1.200	0.6000	11.7	12.5	-6.1	30.0
p-Dimethylamino azobenzene	Ave	0.1899	0.2214		14.6	12.5	16.6	30.0
Chlorobenzilate	Ave	0.3535	0.3899		13.8	12.5	10.3	30.0
3,3'-Dimethylbenzidine	Ave	0.6393	0.6338			12.5	-0.9	30.0
Butyl benzyl phthalate	Ave	0.4719	0.5090	0.0100	13.5	12.5	7.9	30.0
2-Acetylaminofluorene	Ave	0.4326	0.4226		12.2	12.5	-2.3	30.0
3,3'-Dichlorobenzidine	Ave	0.3853	0.5803	0.0100	18.8	12.5	50.6*	30.0
Benzo[a]anthracene	Ave	1.003	1.012	0.8000	12.6	12.5	0.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-662998/12 Calibration Date: 06/26/2025 03:14

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2164	0.2235			12.5	3.3	30.0
Chrysene	Ave	1.004	0.9787	0.7000	12.2	12.5	-2.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.6444	0.6597	0.0100	12.8	12.5	2.4	30.0
6-Methylchrysene	Ave	0.6749	0.6813		12.6	12.5	0.9	30.0
Di-n-octyl phthalate	Ave	1.212	1.352	0.0100	13.9	12.5	11.6	30.0
Benzo[b]fluoranthene	Ave	1.215	1.328	0.7000	13.7	12.5	9.3	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5341	0.5914		13.8	12.5	10.7	30.0
Benzo[k]fluoranthene	Ave	1.263	1.256	0.7000	12.4	12.5	-0.5	30.0
Benzo[a]pyrene	Ave	1.098	1.192	0.7000	13.6	12.5	8.5	30.0
3-Methylcholanthrene	Ave	0.5336	0.5859		13.7	12.5	9.8	30.0
Dibenz[a,h]acridine	Ave	0.8098	0.9288		14.3	12.5	14.7	30.0
Dibenz[a,j]acridine	Ave	0.8813	0.9867		14.0	12.5	12.0	30.0
Indeno[1,2,3-cd]pyrene	Ave	0.9895	0.9894	0.5000	12.5	12.5	-0.0	30.0
Dibenz(a,h)anthracene	Ave	1.038	1.072	0.4000	12.9	12.5	3.4	30.0
Benzo[g,h,i]perylene	Ave	1.051	1.050	0.5000	12.5	12.5	-0.1	30.0
1,4-phenylenediamine	Ave	0.3645				12.5		
Hexachlorocyclopentadiene	Ave	0.4089				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 03:14:29 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151574-012
Operator ID: IR93211 Instrument ID: HP19760
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:29:58 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 07:37:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 1,4-Dioxane	88	1.413	1.407	0.006	90	259965	12.5	10.9	
3 N-Nitrosodimethylamine	74	1.617	1.617	0.000	88	417300	12.5	12.2	
4 Pyridine	79	1.641	1.646	-0.005	95	1373858	25.0	22.7	
6 Dimethylformamide	73	1.909	1.914	-0.005	89	482525	12.5	13.0	
7 2-Picoline	93	2.183	2.188	-0.005	90	822618	12.5	12.0	
8 N-Nitrosomethylethylamine	88	2.276	2.270	0.006	82	352457	12.5	11.6	
9 Methyl methanesulfonate	80	2.532	2.526	0.006	84	428641	12.5	12.2	
11 N-Nitrosodiethylamine	102	2.882	2.882	0.000	85	369162	12.5	12.2	
12 Ethyl methanesulfonate	109	3.179	3.173	0.006	99	397472	12.5	12.1	
15 Benzaldehyde	77	3.506	3.506	0.000	97	553360	12.5	10.4	
17 Phenol	94	3.605	3.599	0.006	88	1031720	12.5	11.8	
18 Aniline	93	3.611	3.611	0.000	92	1253531	12.5	12.1	
19 Bis(2-chloroethyl)ether	93	3.681	3.681	0.000	99	745491	12.5	11.8	
20 2-Chlorophenol	128	3.727	3.727	0.000	94	689185	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.873	3.873	0.000	95	752286	12.5	11.6	
* 22 1,4-Dichlorobenzene-d4	152	3.931	3.931	0.000	95	216105	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.949	3.949	0.000	93	757599	12.5	11.8	
25 Benzyl alcohol	108	4.077	4.071	0.006	92	499629	12.5	12.7	
26 1,2-Dichlorobenzene	146	4.094	4.094	0.000	96	724666	12.5	11.8	
14 Indene	115		4.182				ND	ND	
28 2-Methylphenol	108	4.199	4.193	0.006	95	671350	12.5	12.3	
29 2,2'-oxybis[1-chloropropane]	45	4.211	4.205	0.006	92	658571	12.5	11.5	
31 N-Nitrosopyrrolidine	100	4.310	4.304	0.006	91	407583	12.5	12.7	
34 Acetophenone	105	4.328	4.328	0.000	97	1083208	12.5	11.9	
33 N-Nitrosodi-n-propylamine	70	4.339	4.333	0.006	72	529815	12.5	12.0	
32 4-Methylphenol	108	4.351	4.345	0.006	89	778658	12.5	12.4	
35 N-Nitrosomorpholine	56	4.351	4.351	0.000	86	398008	12.5	12.1	
36 2-Toluidine	106	4.363	4.363	0.001	96	1229358	12.5	12.5	
38 Hexachloroethane	117	4.421	4.421	0.000	96	302322	12.5	11.2	
40 Nitrobenzene	77	4.491	4.491	0.000	83	774823	12.5	12.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42	N-Nitrosopiperidine	114	4.637	4.636	0.001	88	368721	12.5	12.6	
43	Isophorone	82	4.730	4.724	0.006	96	1378061	12.5	12.1	
44	2-Nitrophenol	139	4.800	4.800	0.000	89	361359	12.5	12.9	
45	2,4-Dimethylphenol	107	4.864	4.858	0.006	95	748318	12.5	12.3	
46	o,o',o''-Triethylphosphorothioat	198	4.928	4.922	0.006	88	344903	12.5	12.4	
30	Benzoic acid	105		4.945				ND	ND	
47	Bis(2-chloroethoxy)methane	93	4.951	4.951	0.000	96	886410	12.5	11.8	
48	2,4-Dichlorophenol	162	5.039	5.039	0.000	93	557182	12.5	12.7	
49	1,2,4-Trichlorobenzene	180	5.114	5.114	0.000	94	595547	12.5	12.0	
* 50	Naphthalene-d8	136	5.161	5.161	0.000	100	779479	5.00	5.00	
51	Naphthalene	128	5.184	5.184	0.000	97	1961452	12.5	11.7	
53	4-Chloroaniline	127	5.249	5.248	0.001	94	842209	12.5	12.8	
54	2,6-Dichlorophenol	162	5.254	5.254	0.000	97	550820	12.5	12.7	
55	Hexachloropropene	213	5.272	5.272	0.000	87	423082	12.5	11.8	
56	Hexachlorobutadiene	225	5.313	5.313	0.000	96	352569	12.5	12.0	
60	Quinoline	129	5.505	5.505	0.000	96	1298945	12.5	12.0	
61	Caprolactam	113	5.569	5.557	0.012	83	206638	12.5	13.0	
62	N-Nitrosodi-n-butylamine	84	5.581	5.581	0.000	86	680998	12.5	12.8	
63	p-Phenylene diamine	108		5.587				ND	ND	U
64	4-Chloro-3-methylphenol	107	5.738	5.732	0.006	93	629258	12.5	12.3	
65	Safrole, Total	162	5.779	5.779	0.000	87	514424	12.5	12.6	
66	2-Methylnaphthalene	142	5.849	5.849	0.000	91	1254214	12.5	13.3	
67	1-Methylnaphthalene	142	5.942	5.942	0.000	91	1139294	12.5	11.6	
68	Hexachlorocyclopentadiene	237		6.000				ND	ND	U
69	1,2,4,5-Tetrachlorobenzene	216	6.012	6.012	0.000	97	595441	12.5	11.7	
70	Isosafrole Peak 1	162	6.059	6.059	0.000	89	67108	1.50	1.54	
71	2,4,6-Trichlorophenol	196	6.129	6.129	0.000	92	387679	12.5	13.1	
72	2,4,5-Trichlorophenol	196	6.169	6.164	0.005	94	424441	12.5	13.1	
74	Isosafrole Peak 2	162	6.274	6.274	0.000	90	532777	11.0	11.3	
75	1,1'-Biphenyl	154	6.304	6.298	0.006	96	1552592	12.5	12.2	
76	2-Chloronaphthalene	162	6.309	6.309	0.000	98	1171253	12.5	11.7	
77	1-Chloronaphthalene	162	6.333	6.327	0.006	97	1137207	12.5	12.9	
78	Phenyl ether	170	6.403	6.403	0.000	81	832385	12.5	11.6	
79	2-Nitroaniline	138	6.420	6.414	0.006	82	411083	12.5	13.2	
81	1,4-Naphthoquinone	158	6.484	6.484	0.000	87	495373	12.5	14.2	
84	1,4-Dinitrobenzene	168	6.560	6.554	0.006	88	216790	12.5	14.0	
85	Dimethyl phthalate	163	6.607	6.607	0.000	99	1373251	12.5	12.5	
86	1,3-Dinitrobenzene	168	6.624	6.624	0.000	87	226414	12.5	12.4	
87	2,6-Dinitrotoluene	165	6.659	6.653	0.006	95	307156	12.5	13.1	
88	Acenaphthylene	152	6.700	6.700	0.000	98	1948234	12.5	12.8	
89	3-Nitroaniline	138	6.811	6.805	0.006	92	349333	12.5	13.4	
* 90	Acenaphthene-d10	164	6.834	6.834	0.000	94	405310	5.00	5.00	
91	Acenaphthene	153	6.869	6.863	0.006	95	1234906	12.5	12.0	
92	2,4-Dinitrophenol	184	6.916	6.910	0.006	90	415298	25.0	25.5	
94	Pentachlorobenzene	250	6.991	6.991	0.000	98	542815	12.5	12.2	
93	4-Nitrophenol	109	7.003	7.003	0.000	82	468201	25.0	26.7	
96	Dibenzofuran	168	7.032	7.032	0.000	97	1696859	12.5	12.0	
95	2,4-Dinitrotoluene	165	7.038	7.032	0.006	87	426457	12.5	13.2	
97	1-Naphthylamine	143	7.108	7.108	0.000	98	1083279	12.5	11.2	
98	2,3,4,6-Tetrachlorophenol	232	7.154	7.154	0.000	74	340570	12.5	12.6	
99	2-Naphthylamine	143	7.184	7.184	0.000	95	1301719	12.5	12.7	
100	Diethyl phthalate	149	7.283	7.277	0.006	98	1363205	12.5	12.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Thionazin	107	7.353	7.347	0.006	80	245510	12.5	11.8	
102 Fluorene	166	7.353	7.353	0.000	93	1329064	12.5	12.1	
103 4-Chlorophenyl phenyl ether	204	7.370	7.364	0.006	89	648170	12.5	11.9	
104 N-Nitro-o-toluidine	152	7.376	7.376	0.000	92	402460	12.5	13.4	
105 4-Nitroaniline	138	7.388	7.382	0.006	85	333795	12.5	13.0	
106 4,6-Dinitro-2-methylphenol	198	7.417	7.417	0.000	83	511774	25.0	25.8	
107 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	63	969727	10.6	10.7	
108 1,2-Diphenylhydrazine	77	7.516	7.516	0.000	41	1428633	12.5	12.6	
110 Sulfotepp	97	7.650	7.650	0.000	78	260500	12.5	12.9	
112 1,3,5-Trinitrobenzene	213	7.755	7.749	0.006	83	147453	12.5	13.3	a
113 cis-Diallate	86	7.761	7.761	0.000	0	476609	9.38	9.56	
114 Phorate	75	7.766	7.766	0.000	95	1221125	12.5	13.7	
115 Phenacetin	108	7.790	7.784	0.006	92	729932	12.5	13.2	
116 4-Bromophenyl phenyl ether	248	7.831	7.825	0.006	62	380869	12.5	12.0	
117 trans-Diallate	86	7.842	7.842	0.000	0	165050	3.13	3.23	
118 Hexachlorobenzene	284	7.871	7.866	0.005	94	414925	12.5	11.7	
119 Dimethoate	87	7.924	7.924	0.000	97	589772	12.5	13.5	
120 Atrazine	200	8.005	8.000	0.005	95	362437	12.5	12.7	
121 Pentachlorophenol	266	8.064	8.064	0.000	92	516955	25.0	25.4	
123 Pentachloronitrobenzene	237	8.075	8.070	0.005	84	184262	12.5	11.7	
122 4-Aminobiphenyl	169	8.075	8.070	0.005	91	1440508	12.5	11.9	
124 Pronamide	173	8.145	8.145	0.000	90	616356	12.5	13.1	
* 126 Phenanthrene-d10	188	8.233	8.233	0.000	98	708255	5.00	5.00	
125 Dinoseb	211	8.256	8.250	0.006	93	364856	12.5	12.6	
128 Phenanthrene	178	8.256	8.256	0.000	98	1838322	12.5	11.8	
127 Disulfoton	88	8.262	8.262	0.000	95	828111	12.5	12.0	
129 Anthracene	178	8.309	8.303	0.006	98	1914243	12.5	12.5	
130 Carbazole	167	8.472	8.466	0.006	96	1792366	12.5	12.5	
131 Methyl parathion	109	8.612	8.612	0.000	91	515267	12.5	14.8	
133 Di-n-butyl phthalate	149	8.833	8.833	0.000	100	2086968	12.5	13.6	
134 Ethyl Parathion	109	8.991	8.990	0.000	84	304441	12.5	14.8	
135 4-Nitroquinoline-1-oxide	190	8.996	8.996	0.000	89	155604	12.5	11.3	
140 Octachlorostyrene	308	9.212	9.212	0.000	92	162951	12.5	12.4	
141 Isodrin	193	9.235	9.235	0.000	94	218604	12.5	11.9	
143 Fluoranthene	202	9.381	9.381	0.000	98	2019172	12.5	12.4	
147 Benzidine	184	9.533	9.533	0.001	99	1605048	12.5	15.5	
* 149 Pyrene-d10 (IS)	212	9.573	9.573	0.000	98	696203	5.00	5.00	
150 Pyrene	202	9.591	9.591	0.000	97	2088449	12.5	11.7	
S 136 Diallate	86				0		12.5	12.8	
154 p-Dimethylamino azobenzene	225	9.906	9.900	0.006	93	385334	12.5	14.6	
155 Chlorobenzilate	139	9.952	9.952	0.000	89	678583	12.5	13.8	
137 Aramite Peak 1	185		9.966				ND	ND	
138 Aramite Peak 2	185		9.983				ND	ND	
139 Aramite Peak 3	185		10.030				ND	ND	
142 Aramite Peak 4	185		10.106				ND	ND	
156 3,3'-Dimethylbenzidine	212	10.226	10.226	0.000	99	1103177	12.5	12.4	
157 Butyl benzyl phthalate	149	10.255	10.255	0.000	97	885949	12.5	13.5	
158 2-Acetylaminofluorene	181	10.477	10.471	0.006	94	735552	12.5	12.2	
151 Famphur	218		10.500				ND	ND	
159 3,3'-Dichlorobenzidine	252	10.780	10.774	0.006	74	1010103	12.5	18.8	
161 Benzo[a]anthracene	228	10.780	10.780	0.000	99	1761259	12.5	12.6	
160 4,4'-Methylene bis(2-chloroanil	231	10.786	10.786	0.000	94	388936	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
162 Chrysene	228	10.821	10.815	0.006	97	1703379	12.5	12.2	
163 Bis(2-ethylhexyl) phthalate	149	10.885	10.885	0.000	95	1148145	12.5	12.8	
164 6-Methylchrysene	242	11.334	11.328	0.006	99	1185734	12.5	12.6	
165 Di-n-octyl phthalate	149	11.660	11.654	0.006	98	1816168	12.5	13.9	
166 7,12-Dimethylbenz(a)anthracene	256	12.039	12.033	0.006	88	794235	12.5	13.8	
167 Benzo[b]fluoranthene	252	12.033	12.033	0.000	97	1784165	12.5	13.7	
168 Benzo[k]fluoranthene	252	12.074	12.068	0.006	99	1687213	12.5	12.4	
169 Benzo[a]pyrene	252	12.447	12.441	0.006	77	1600400	12.5	13.6	
* 170 Perylene-d12	264	12.517	12.517	0.000	98	537213	5.00	5.00	
171 3-Methylcholanthrene	268	12.925	12.925	0.000	91	786924	12.5	13.7	
172 Dibenz[a,h]acridine	279	13.659	13.653	0.006	91	1247469	12.5	14.3	
173 Dibenz[a,j]acridine	279	13.729	13.723	0.006	96	1325217	12.5	14.0	
174 Indeno[1,2,3-cd]pyrene	276	13.951	13.945	0.006	99	1328823	12.5	12.5	
175 Dibenz(a,h)anthracene	278	13.991	13.991	0.000	93	1440183	12.5	12.9	
176 Benzo[g,h,i]perylene	276	14.300	14.294	0.006	98	1410504	12.5	12.5	
S 177 Aramite, Total	185		44.000				12.5	ND	7
S 182 Isosafrole	162				0		12.5	12.8	

QC Flag Legend

Processing Flags
- ND - Not Detected or Marked ND
- 7 - Failed Limit of Detection

Review Flags
- U - Marked Undetected
- a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 26-Jun-2025 08:33:36 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D

Injection Date: 26-Jun-2025 03:14:29 Instrument ID: HP19760 Operator ID: IR93211

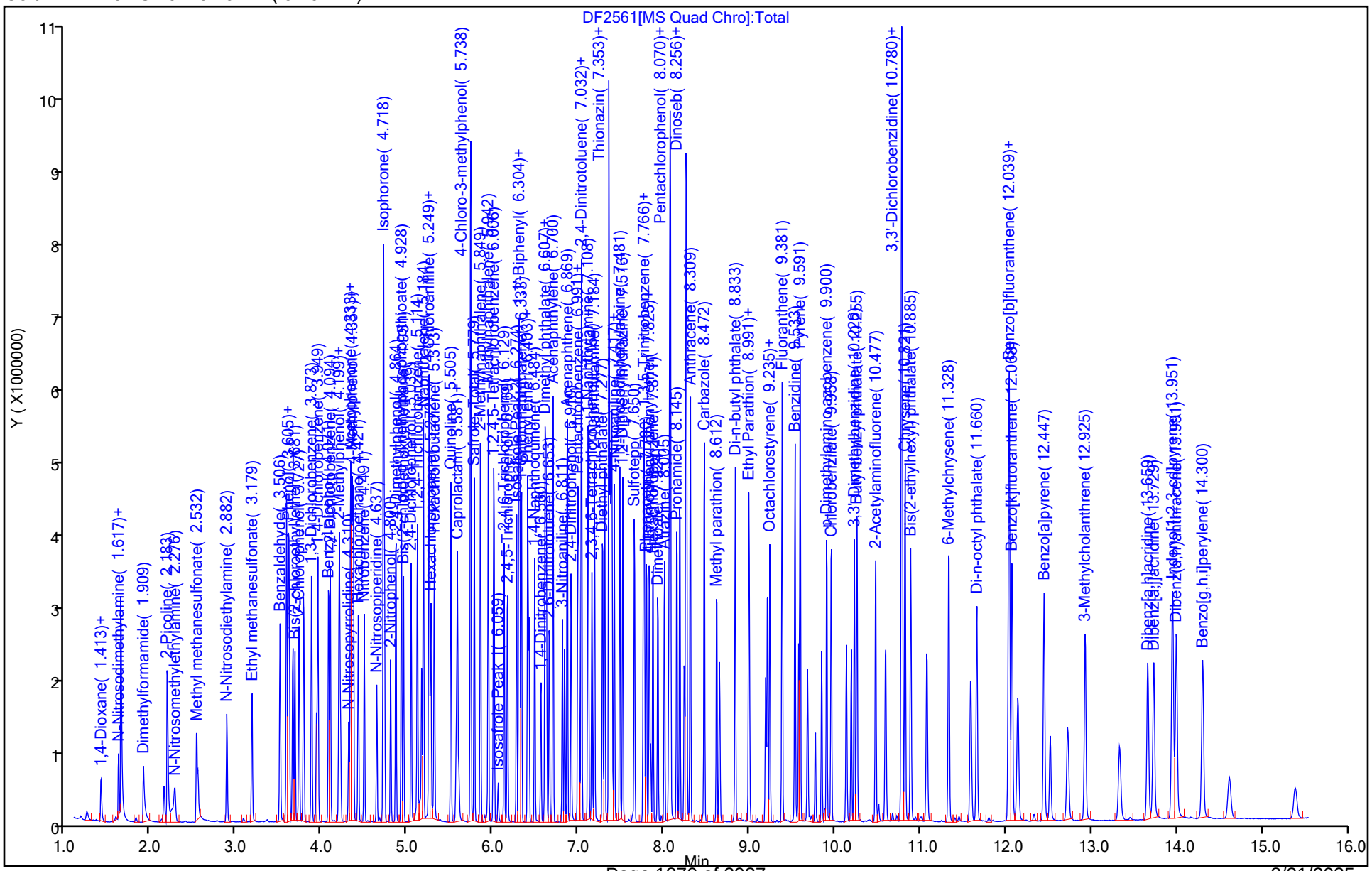
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

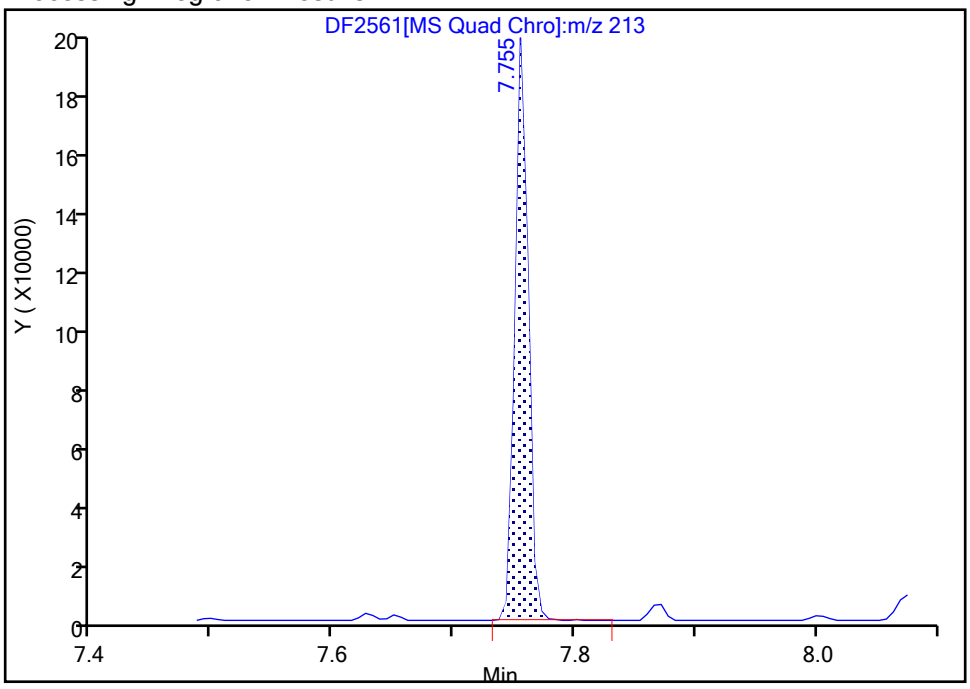
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Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

112 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

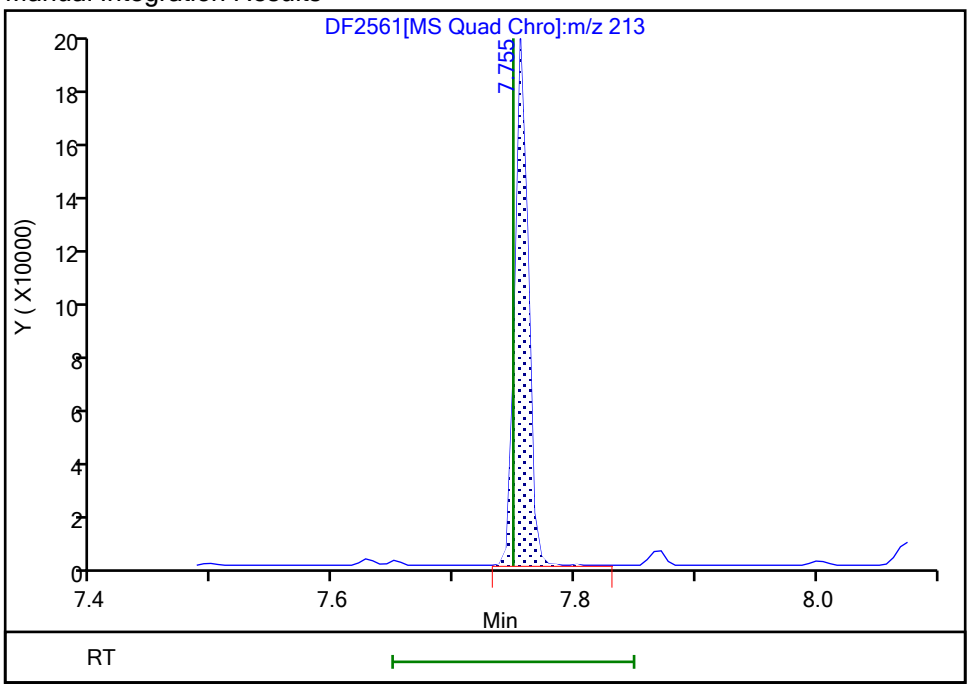
Processing Integration Results

RT: 7.75
Area: 147453
Amount: 11.847625
Amount Units: ug/ml



Manual Integration Results

RT: 7.75
Area: 147453
Amount: 13.263685
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 07:36:58 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

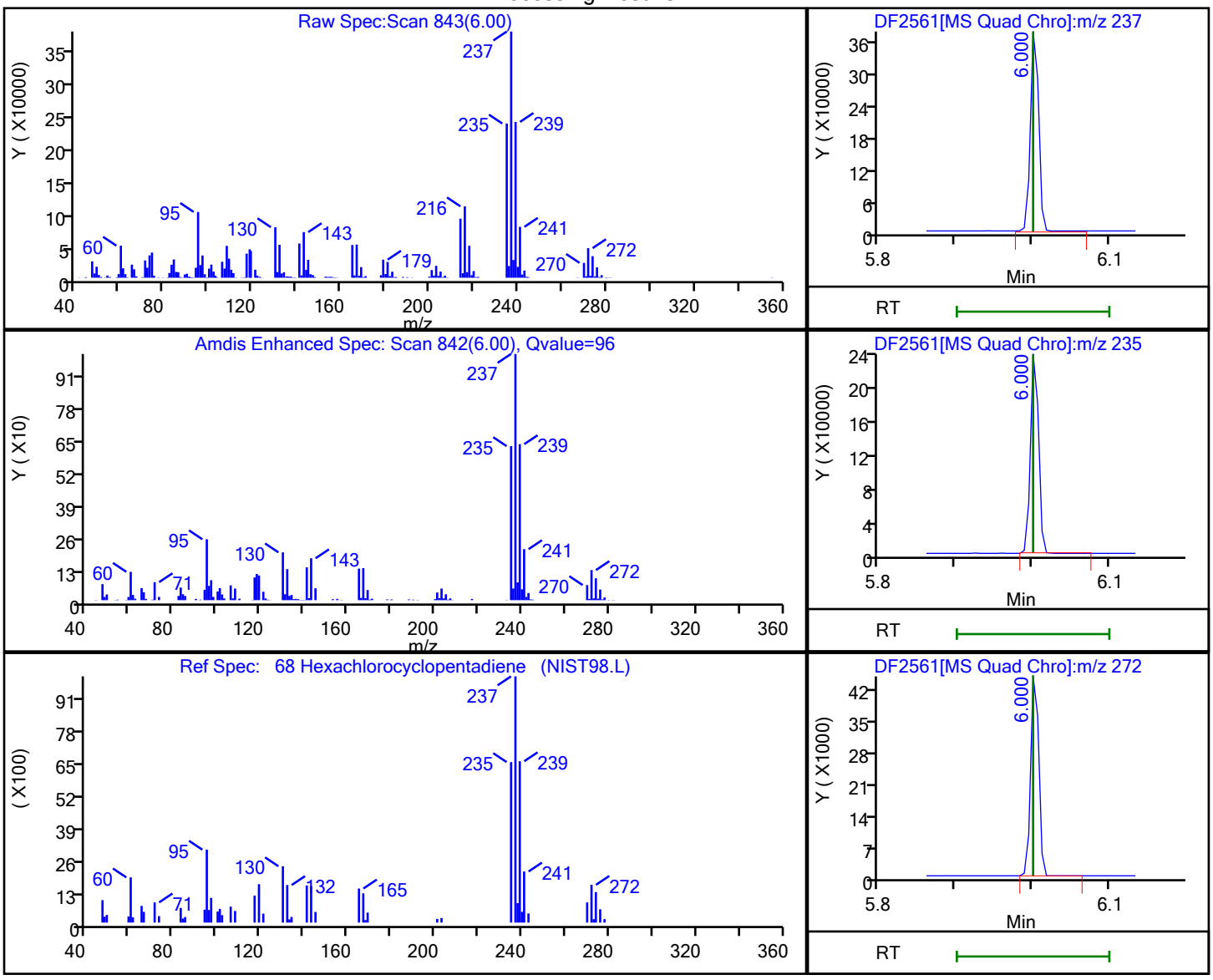
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D				
Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

68 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.00	237.00	279326	8.427056
6.00	235.00	173205	
6.00	272.00	33252	

Reviewer: W6ZA, 26-Jun-2025 08:26:31 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

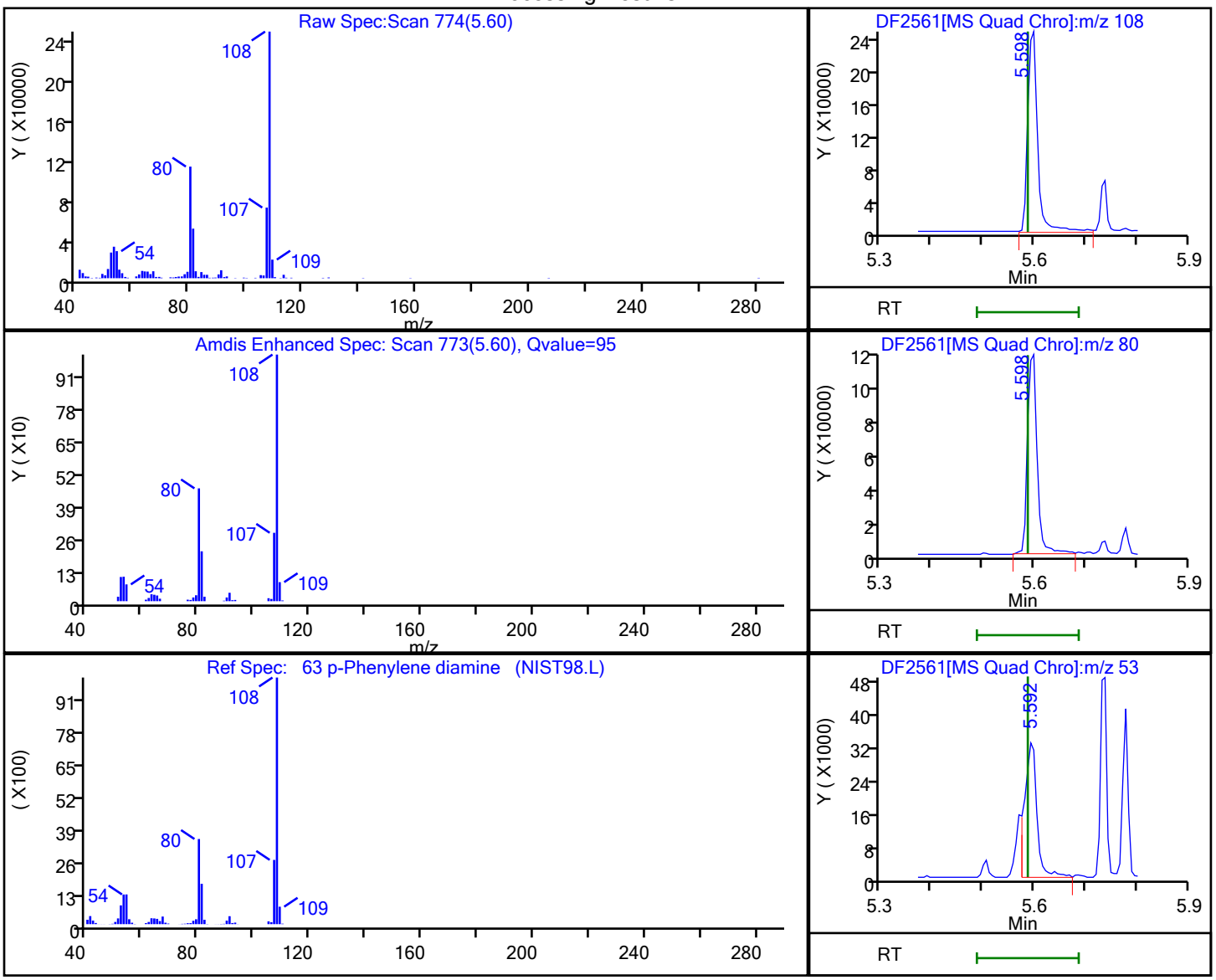
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2561.D				
Injection Date:	26-Jun-2025 03:14:29	Instrument ID:	HP19760		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

63 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.60	108.00	326300	5.741976
5.60	80.00	148845	
5.59	53.00	52561	
5.59	54.00	56876	
5.59	52.00	43770	

Reviewer: W6ZA, 26-Jun-2025 08:26:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-682464/2
Calibration Date: 08/07/2025 19:54

Instrument ID: HP19760
Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)
Calib End Date: 06/26/2025 02:03

Lab File ID: DH0751.D
Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5526	0.0019			12.5	-99.7*	20.0
N-Nitrosodimethylamine	Ave	0.7904	0.9551		15.1	12.5	20.8*	20.0
Pyridine	Ave	1.397	1.517		27.1	25.0	8.6	20.0
N,N-dimethylformamide	Ave	0.8573	0.9832			12.5	14.7	20.0
2-Picoline	Ave	1.587	1.519		12.0	12.5	-4.3	20.0
N-Nitrosomethylethylamine	Ave	0.7005	0.7687		13.7	12.5	9.7	20.0
Methyl methanesulfonate	Ave	0.8114	0.7857		12.1	12.5	-3.2	20.0
N-Nitrosodiethylamine	Ave	0.6988	0.6798		12.2	12.5	-2.7	20.0
Ethyl methanesulfonate	Ave	0.7625	0.7802		12.8	12.5	2.3	20.0
Benzaldehyde	Ave	1.231	1.117	0.0100	11.3	12.5	-9.2	20.0
Phenol	Ave	2.026	1.964	0.8000	12.1	12.5	-3.1	20.0
Aniline	Ave	2.399	2.391		12.5	12.5	-0.3	20.0
Bis(2-chloroethyl)ether	Ave	1.467	1.595	0.7000	13.6	12.5	8.7	20.0
2-Chlorophenol	Ave	1.320	1.383	0.8000	13.1	12.5	4.8	20.0
1,3-Dichlorobenzene	Ave	1.499	1.506		12.6	12.5	0.5	20.0
1,4-Dichlorobenzene	Ave	1.483	1.588		13.4	12.5	7.0	20.0
Benzyl alcohol	Ave	0.9106	0.9578		13.1	12.5	5.2	20.0
1,2-Dichlorobenzene	Ave	1.422	1.486		13.1	12.5	4.5	20.0
2-Methylphenol	Ave	1.258	1.371	0.7000	13.6	12.5	8.9	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.321	2.197	0.0100	20.8	12.5	66.4*	20.0
N-Nitrosopyrrolidine	Ave	0.7406	0.7912		13.4	12.5	6.8	20.0
Acetophenone	Ave	2.102	2.101	0.0100	12.5	12.5	-0.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.024	1.141	0.5000	13.9	12.5	11.4	20.0
3,4-Methylphenol	Ave	1.452	1.558	0.6000	13.4	12.5	7.2	20.0
N-Nitrosomorpholine	Ave	0.7630	1.018		16.7	12.5	33.4*	20.0
2-Toluidine	Ave	2.272	2.398		13.2	12.5	5.5	20.0
Hexachloroethane	Ave	0.6238	0.6120	0.3000	12.3	12.5	-1.9	20.0
Nitrobenzene	Ave	0.4134	0.4519	0.2000	13.7	12.5	9.3	20.0
N-Nitrosopiperidine	Ave	0.1879	0.1927		12.8	12.5	2.6	20.0
Isophorone	Ave	0.7311	0.7956	0.4000	13.6	12.5	8.8	20.0
2-Nitrophenol	Ave	0.1797	0.1936	0.1000	13.5	12.5	7.7	20.0
2,4-Dimethylphenol	Ave	0.3897	0.3970	0.2000	12.7	12.5	1.9	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1791	0.2027		14.1	12.5	13.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4808	0.5025	0.3000	13.1	12.5	4.5	20.0
2,4-Dichlorophenol	Ave	0.2811	0.3081	0.2000	13.7	12.5	9.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3194	0.3407		13.3	12.5	6.7	20.0
Naphthalene	Ave	1.074	1.056	0.7000	12.3	12.5	-1.7	20.0
a-Terpineol	Ave	0.2593	0.3803		18.3	12.5	46.7*	20.0
4-Chloroaniline	Ave	0.4237	0.4514	0.0100	13.3	12.5	6.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-682464/2 Calibration Date: 08/07/2025 19:54

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH0751.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dichlorophenol	Ave	0.2782	0.3085		13.9	12.5	10.9	20.0
Hexachloropropene	Ave	0.2295	0.2473		13.5	12.5	7.8	20.0
Hexachlorobutadiene	Ave	0.1883	0.1987	0.0100	13.2	12.5	5.5	20.0
Quinoline	Ave	0.6933	0.7115		12.8	12.5	2.6	20.0
Caprolactam	Ave	0.1016	0.1027	0.0100	12.6	12.5	1.0	20.0
N-Nitrosodi-n-butylamine	Ave	0.3409	0.3760		13.8	12.5	10.3	20.0
1,4-phenylenediamine	Ave	0.3645	0.3671			12.5	0.7	20.0
4-Chloro-3-methylphenol	Ave	0.3269	0.3434	0.2000	13.1	12.5	5.1	20.0
Safrole, Total	Ave	0.2611	0.2820		13.5	12.5	8.0	20.0
2-Methylnaphthalene	Ave	0.6044	0.6441	0.4000	13.3	12.5	6.6	20.0
1-Methylnaphthalene	Ave	0.6301	0.6800		13.5	12.5	7.9	20.0
Hexachlorocyclopentadiene	Ave	0.4089	0.4348	0.0500	13.3	12.5	6.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6252	0.6140	0.0100	12.3	12.5	-1.8	20.0
Isosafrole Peak 1	Ave	0.5382	0.5444		2.02	2.00	1.2	20.0
2,4,6-Trichlorophenol	Ave	0.3651	0.3746	0.2000	12.8	12.5	2.6	20.0
2,4,5-Trichlorophenol	Ave	0.4005	0.4483	0.2000	14.0	12.5	11.9	20.0
Isosafrole Peak 2	Ave	0.5818	0.5661		10.2	10.5	-2.7	20.0
1,1'-Biphenyl	Ave	1.573	1.481	0.0100	11.8	12.5	-5.9	20.0
2-Chloronaphthalene	Ave	1.233	1.031	0.8000	10.5	12.5	-16.4	20.0
1-Chloronaphthalene	Ave	1.091	1.155		13.2	12.5	5.8	20.0
Diphenyl ether	Ave	0.8831	0.8420		11.9	12.5	-4.7	20.0
2-Nitroaniline	Ave	0.3842	0.3704	0.0100	12.1	12.5	-3.6	20.0
1,4-Naphthoquinone	Ave	0.4317	0.4394			12.5	1.8	20.0
1,4-Dinitrobenzene	Ave	0.1907	0.1999		13.1	12.5	4.8	20.0
Dimethyl phthalate	Ave	1.357	1.276	0.0100	11.7	12.5	-6.0	20.0
1,3-Dinitrobenzene	Ave	0.2245	0.2207		12.3	12.5	-1.7	20.0
2,6-Dinitrotoluene	Ave	0.2892	0.3001	0.2000	13.0	12.5	3.8	20.0
Acenaphthylene	Ave	1.885	1.780	0.9000	11.8	12.5	-5.5	20.0
3-Nitroaniline	Ave	0.3222	0.3212	0.0100	12.5	12.5	-0.3	20.0
Acenaphthene	Ave	1.274	1.175	0.9000	11.5	12.5	-7.8	20.0
2,4-Dinitrophenol	Ave	0.2009	0.1985	0.0100	24.7	25.0	-1.2	20.0
Pentachlorobenzene	Ave	0.5474	0.5222		11.9	12.5	-4.6	20.0
4-Nitrophenol	Ave	0.2160	0.1788	0.0100	20.7	25.0	-17.2	20.0
Dibenzofuran	Ave	1.743	1.630	0.8000	11.7	12.5	-6.5	20.0
2,4-Dinitrotoluene	Ave	0.3982	0.4094	0.2000	12.9	12.5	2.8	20.0
1-Naphthylamine	Ave	1.194	1.182		12.4	12.5	-1.1	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3326	0.3636	0.0100	13.7	12.5	9.3	20.0
2-Naphthylamine	Ave	1.260	1.230		12.2	12.5	-2.4	20.0
Diethyl phthalate	Ave	1.367	1.232	0.0100	11.3	12.5	-9.8	20.0
Fluorene	Ave	1.358	1.323	0.9000	12.2	12.5	-2.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-682464/2 Calibration Date: 08/07/2025 19:54

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH0751.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Thionazin	Ave	0.2563	0.2168		10.6	12.5	-15.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.6715	0.6345	0.4000	11.8	12.5	-5.5	20.0
5-Nitro-o-toluidine	Ave	0.3696	0.3535		12.0	12.5	-4.4	20.0
4-Nitroaniline	Ave	0.3171	0.3047	0.0100	12.0	12.5	-3.9	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1402	0.1588	0.0100	28.3	25.0	13.3	20.0
N-Nitrosodiphenylamine	Ave	0.6407	0.6577	0.0100	10.9	10.6	2.6	20.0
1,2-Diphenylhydrazine	Ave	0.8015	0.8621		13.4	12.5	7.6	20.0
Sulfotepp	Ave	0.1426	0.1426		12.5	12.5	0.0	20.0
cis-Diallate	Ave	0.3520	0.3511		9.23	9.25	-0.3	20.0
1,3,5-Trinitrobenzene	Ave	0.0785	0.0867			12.5	10.5	20.0
Phorate	Qua2		0.7555		14.8	12.5	18.1	20.0
Phenacetin	Ave	0.3918	0.3832		12.2	12.5	-2.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2234	0.2299	0.1000	12.9	12.5	2.9	20.0
trans-Diallate	Ave	0.3611	0.3609		3.25	3.25	-0.0	20.0
Hexachlorobenzene	Ave	0.2503	0.2544	0.1000	12.7	12.5	1.6	20.0
Dimethoate	Ave	0.3078	0.3420		13.9	12.5	11.1	20.0
Atrazine	Ave	0.2018	0.2078	0.0100	12.9	12.5	3.0	20.0
Pentachlorophenol	Ave	0.1434	0.1700	0.0500	29.6	25.0	18.5	20.0
Pentachloronitrobenzene	Ave	0.1111	0.1070		12.0	12.5	-3.6	20.0
4-Aminobiphenyl	Ave	0.8530	0.8650		12.7	12.5	1.4	20.0
Pronamide	Ave	0.3330	0.3457		13.0	12.5	3.8	20.0
Dinoseb	Ave	0.2041	0.2334		14.3	12.5	14.4	20.0
Phenanthrene	Ave	1.104	1.079	0.7000	12.2	12.5	-2.3	20.0
Disulfoton	Ave	0.4852	0.5209		13.4	12.5	7.4	20.0
Anthracene	Ave	1.083	1.156	0.7000	13.3	12.5	6.8	20.0
Carbazole	Ave	1.014	1.029	0.0100	12.7	12.5	1.5	20.0
Methyl parathion	Ave	0.2450	0.2749		14.0	12.5	12.2	20.0
Di-n-butyl phthalate	Ave	1.083	1.106	0.0100	12.8	12.5	2.2	20.0
Parathion	Ave	0.1450	0.1532		13.2	12.5	5.7	20.0
4-Nitroquinoline-1-oxide	Lin2		0.0972			12.5	-1.3	20.0
Octachlorostyrene	Ave	0.0930	0.0991		13.3	12.5	6.6	20.0
Isodrin	Ave	0.1301	0.1292		12.4	12.5	-0.7	20.0
Fluoranthene	Ave	1.149	1.161	0.6000	12.6	12.5	1.1	20.0
Benzidine	Ave	0.7459	0.7418		37.3	37.5	-0.6	20.0
Pyrene	Ave	1.278	1.180	0.6000	11.5	12.5	-7.7	20.0
p-Dimethylamino azobenzene	Ave	0.1899	0.2049		13.5	12.5	7.9	20.0
Chlorobenzilate	Ave	0.3535	0.3347		11.8	12.5	-5.3	20.0
3,3'-Dimethylbenzidine	Ave	0.6393	0.6429			12.5	0.6	20.0
Butyl benzyl phthalate	Ave	0.4719	0.4568	0.0100	12.1	12.5	-3.2	20.0
2-Acetylaminofluorene	Ave	0.4326	0.3985		11.5	12.5	-7.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-682464/2 Calibration Date: 08/07/2025 19:54

Instrument ID: HP19760 Calib Start Date: 06/25/2025 23:30

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 02:03

Lab File ID: DH0751.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	Ave	0.3853	0.3894	0.0100	12.6	12.5	1.1	20.0
Benzo[a]anthracene	Ave	1.003	0.9822	0.8000	12.2	12.5	-2.1	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2164	0.2132			12.5	-1.5	20.0
Chrysene	Ave	1.004	0.9885	0.7000	12.3	12.5	-1.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6444	0.6434	0.0100	12.5	12.5	-0.1	20.0
6-Methylchrysene	Ave	0.6749	0.6485		12.0	12.5	-3.9	20.0
Di-n-octyl phthalate	Ave	1.212	1.233	0.0100	12.7	12.5	1.7	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5341	0.5443		12.7	12.5	1.9	20.0
Benzo[b]fluoranthene	Ave	1.215	1.232	0.7000	12.7	12.5	1.4	20.0
Benzo[k]fluoranthene	Ave	1.263	1.250	0.7000	12.4	12.5	-1.0	20.0
Benzo[a]pyrene	Ave	1.098	1.130	0.7000	12.9	12.5	2.9	20.0
3-Methylcholanthrene	Ave	0.5336	0.5729		13.4	12.5	7.4	20.0
Dibenz[a,h]acridine	Ave	0.8098	0.8509		13.1	12.5	5.1	20.0
Dibenz[a,j]acridine	Ave	0.8813	0.9383		13.3	12.5	6.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9895	1.037	0.5000	13.1	12.5	4.8	20.0
Dibenz(a,h)anthracene	Ave	1.038	1.065	0.4000	12.8	12.5	2.6	20.0
Benzo[g,h,i]perylene	Ave	1.051	1.082	0.5000	12.9	12.5	2.9	20.0
2-Fluorophenol (Surr)	Ave	1.306	1.220		23.3	25.0	-6.6	20.0
Phenol-d5 (Surr)	Ave	1.794	1.906		26.6	25.0	6.2	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4216	0.4386		26.0	25.0	4.0	20.0
2-Fluorobiphenyl (Surr)	Ave	1.403	1.292		23.0	25.0	-7.9	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2018	0.2090		25.9	25.0	3.6	20.0
p-Terphenyl-d14 (Surr)	Ave	0.7688	0.7346		23.9	25.0	-4.4	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0751.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Aug-2025 19:54:10 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: EEA115318 Instrument ID: HP19760
Sublist: chrom-MSSemi_HP19760*sub58

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 23:11:04 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 1,4-Dioxane	88	1.285	1.285	0.000	23	1043	12.5	0.0437	
	3 N-Nitrosodimethylamine	74	1.530	1.530	0.000	93	515470	12.5	15.1	
	4 Pyridine	79	1.553	1.553	0.000	95	1637530	25.0	27.1	
	6 Dimethylformamide	73	1.821	1.821	0.000	97	530636	12.5	14.3	
	7 2-Picoline	93	2.089	2.089	0.000	90	820085	12.5	12.0	
	8 N-Nitrosomethylethylamine	88	2.177	2.177	0.000	92	414889	12.5	13.7	
	9 Methyl methanesulfonate	80	2.427	2.427	0.000	83	424024	12.5	12.1	
$	10 2-Fluorophenol	112	2.579	2.579	0.000	94	1316764	25.0	23.3	
	11 N-Nitrosodiethylamine	102	2.777	2.777	0.000	97	366881	12.5	12.2	
	12 Ethyl methanesulfonate	109	3.074	3.074	0.000	98	421064	12.5	12.8	
	15 Benzaldehyde	77	3.401	3.401	0.000	95	602962	12.5	11.3	
$	16 Phenol-d5	99	3.488	3.488	0.000	97	2057344	25.0	26.6	
	17 Phenol	94	3.500	3.500	0.000	84	1059748	12.5	12.1	
	18 Aniline	93	3.511	3.511	0.000	93	1290401	12.5	12.5	
	19 Bis(2-chloroethyl)ether	93	3.581	3.581	0.000	93	860685	12.5	13.6	
	20 2-Chlorophenol	128	3.628	3.628	0.000	95	746398	12.5	13.1	
	21 1,3-Dichlorobenzene	146	3.774	3.774	0.000	97	812809	12.5	12.6	
*	22 1,4-Dichlorobenzene-d4	152	3.832	3.832	0.000	95	215883	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.850	3.850	0.000	93	856861	12.5	13.4	
	25 Benzyl alcohol	108	3.978	3.978	0.000	92	516909	12.5	13.1	
	26 1,2-Dichlorobenzene	146	3.995	3.995	0.000	97	802246	12.5	13.1	
	28 2-Methylphenol	108	4.100	4.100	0.000	95	739675	12.5	13.6	
	29 2,2'-oxybis[1-chloropropane]	45	4.112	4.112	0.000	95	1185638	12.5	20.8	
	31 N-Nitrosopyrrolidine	100	4.217	4.217	0.000	93	427007	12.5	13.4	
	34 Acetophenone	105	4.234	4.234	0.000	96	1133685	12.5	12.5	
	33 N-Nitrosodi-n-propylamine	70	4.246	4.246	0.000	81	615740	12.5	13.9	
	35 N-Nitrosomorpholine	56	4.258	4.258	0.000	91	549495	12.5	16.7	
	32 4-Methylphenol	108	4.258	4.258	0.000	86	840624	12.5	13.4	
	36 2-Toluidine	106	4.269	4.269	0.000	96	1293956	12.5	13.2	
	38 Hexachloroethane	117	4.322	4.322	0.000	93	330314	12.5	12.3	
$	39 Nitrobenzene-d5	82	4.380	4.380	0.000	88	1753951	25.0	26.0	
	40 Nitrobenzene	77	4.397	4.397	0.000	87	903568	12.5	13.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
42 N-Nitrosopiperidine	114	4.543	4.543	0.000	85	385378	12.5	12.8	
43 Isophorone	82	4.631	4.631	0.000	97	1590839	12.5	13.6	
44 2-Nitrophenol	139	4.706	4.706	0.000	90	387119	12.5	13.5	
45 2,4-Dimethylphenol	107	4.770	4.770	0.000	96	793901	12.5	12.7	
46 o,o',o''-Triethylphosphorothioat	198	4.835	4.835	0.000	84	405292	12.5	14.1	
47 Bis(2-chloroethoxy)methane	93	4.858	4.858	0.000	96	1004839	12.5	13.1	
48 2,4-Dichlorophenol	162	4.945	4.945	0.000	95	616085	12.5	13.7	
49 1,2,4-Trichlorobenzene	180	5.021	5.021	0.000	94	681210	12.5	13.3	
* 50 Naphthalene-d8	136	5.068	5.068	0.000	99	799840	5.00	5.00	
51 Naphthalene	128	5.091	5.091	0.000	97	2112234	12.5	12.3	
52 Alpha-Terpineol	59	5.114	5.114	0.000	94	760437	12.5	18.3	
53 4-Chloroaniline	127	5.155	5.155	0.000	95	902558	12.5	13.3	
54 2,6-Dichlorophenol	162	5.161	5.161	0.000	93	616887	12.5	13.9	
55 Hexachloropropene	213	5.173	5.173	0.000	87	494581	12.5	13.5	
56 Hexachlorobutadiene	225	5.219	5.219	0.000	95	397301	12.5	13.2	
60 Quinoline	129	5.412	5.412	0.000	96	1422665	12.5	12.8	
61 Caprolactam	113	5.482	5.482	0.000	76	205354	12.5	12.6	
62 N-Nitrosodi-n-butylamine	84	5.493	5.493	0.000	92	751930	12.5	13.8	
63 p-Phenylene diamine	108	5.505	5.505	0.000	96	733961	12.5	12.6	
64 4-Chloro-3-methylphenol	107	5.645	5.645	0.000	93	686699	12.5	13.1	
65 Safrole, Total	162	5.691	5.691	0.000	90	563794	12.5	13.5	
66 2-Methylnaphthalene	142	5.755	5.755	0.000	92	1287954	12.5	13.3	
67 1-Methylnaphthalene	142	5.849	5.849	0.000	94	1359783	12.5	13.5	
68 Hexachlorocyclopentadiene	237	5.907	5.907	0.000	95	512544	12.5	13.3	
69 1,2,4,5-Tetrachlorobenzene	216	5.919	5.919	0.000	96	723863	12.5	12.3	
70 Isosafrole Peak 1	162	5.971	5.971	0.000	92	102691	2.00	2.02	
71 2,4,6-Trichlorophenol	196	6.041	6.041	0.000	93	441584	12.5	12.8	
72 2,4,5-Trichlorophenol	196	6.076	6.076	0.000	94	528448	12.5	14.0	
$ 73 2-Fluorobiphenyl (Surr)	172	6.117	6.117	0.000	99	3045693	25.0	23.0	
74 Isosafrole Peak 2	162	6.187	6.187	0.000	93	560538	10.5	10.2	
75 1,1'-Biphenyl	154	6.210	6.210	0.000	96	1745917	12.5	11.8	
76 2-Chloronaphthalene	162	6.222	6.222	0.000	98	1215595	12.5	10.5	
77 1-Chloronaphthalene	162	6.239	6.239	0.000	98	1361123	12.5	13.2	
78 Phenyl ether	170	6.315	6.315	0.000	85	992631	12.5	11.9	
79 2-Nitroaniline	138	6.327	6.327	0.000	79	436654	12.5	12.1	
81 1,4-Naphthoquinone	158	6.397	6.397	0.000	89	517943	12.5	12.7	
84 1,4-Dinitrobenzene	168	6.472	6.472	0.000	89	235703	12.5	13.1	
85 Dimethyl phthalate	163	6.519	6.519	0.000	99	1503961	12.5	11.7	
86 1,3-Dinitrobenzene	168	6.537	6.537	0.000	86	260225	12.5	12.3	
87 2,6-Dinitrotoluene	165	6.566	6.566	0.000	95	353808	12.5	13.0	
88 Acenaphthylene	152	6.606	6.606	0.000	99	2098800	12.5	11.8	
89 3-Nitroaniline	138	6.723	6.723	0.000	89	378693	12.5	12.5	
* 90 Acenaphthene-d10	164	6.741	6.741	0.000	92	471541	5.00	5.00	
91 Acenaphthene	153	6.775	6.775	0.000	95	1385382	12.5	11.5	
92 2,4-Dinitrophenol	184	6.822	6.822	0.000	87	468076	25.0	24.7	
94 Pentachlorobenzene	250	6.898	6.898	0.000	98	615628	12.5	11.9	
93 4-Nitrophenol	109	6.915	6.915	0.000	83	421524	25.0	20.7	
96 Dibenzofuran	168	6.939	6.939	0.000	98	1921733	12.5	11.7	
95 2,4-Dinitrotoluene	165	6.945	6.945	0.000	93	482616	12.5	12.9	
97 1-Naphthylamine	143	7.020	7.020	0.000	99	1392883	12.5	12.4	
98 2,3,4,6-Tetrachlorophenol	232	7.067	7.067	0.000	72	428685	12.5	13.7	
99 2-Naphthylamine	143	7.096	7.096	0.000	96	1449723	12.5	12.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
100 Diethyl phthalate	149	7.189	7.189	0.000	98	1452847	12.5	11.3	
102 Fluorene	166	7.259	7.259	0.000	93	1559315	12.5	12.2	
101 Thionazin	107	7.265	7.265	0.000	78	255545	12.5	10.6	
103 4-Chlorophenyl phenyl ether	204	7.277	7.277	0.000	85	748012	12.5	11.8	
104 N-Nitro-o-toluidine	152	7.288	7.288	0.000	95	416774	12.5	12.0	
105 4-Nitroaniline	138	7.300	7.300	0.000	82	359223	12.5	12.0	
106 4,6-Dinitro-2-methylphenol	198	7.329	7.329	0.000	85	628308	25.0	28.3	
107 N-Nitrosodiphenylamine	169	7.393	7.393	0.000	63	1105868	10.6	10.9	
108 1,2-Diphenylhydrazine	77	7.422	7.422	0.000	41	1705298	12.5	13.4	
$ 109 2,4,6-Tribromophenol	330	7.492	7.492	0.000	93	492828	25.0	25.9	
110 Sulfotepp	97	7.562	7.562	0.000	77	282142	12.5	12.5	
113 cis-Diallate	86	7.667	7.667	0.000	0	513933	9.25	9.23	
112 1,3,5-Trinitrobenzene	213	7.673	7.673	0.000	81	171599	12.5	13.8	
114 Phorate	75	7.673	7.673	0.000	96	1494576	12.5	14.8	
115 Phenacetin	108	7.702	7.702	0.000	94	758054	12.5	12.2	
116 4-Bromophenyl phenyl ether	248	7.737	7.737	0.000	64	454686	12.5	12.9	
117 trans-Diallate	86	7.749	7.749	0.000	0	185616	3.25	3.25	
118 Hexachlorobenzene	284	7.778	7.778	0.000	95	503156	12.5	12.7	
119 Dimethoate	87	7.836	7.836	0.000	98	676516	12.5	13.9	
120 Atrazine	200	7.912	7.912	0.000	92	411115	12.5	12.9	
121 Pentachlorophenol	266	7.970	7.970	0.000	94	672524	25.0	29.6	
123 Pentachloronitrobenzene	237	7.976	7.976	0.000	86	211693	12.5	12.0	
122 4-Aminobiphenyl	169	7.982	7.982	0.000	89	1711170	12.5	12.7	
124 Pronamide	173	8.058	8.058	0.000	89	683849	12.5	13.0	
* 126 Phenanthrene-d10	188	8.139	8.139	0.000	97	791260	5.00	5.00	
125 Dinoseb	211	8.163	8.163	0.000	67	461641	12.5	14.3	
128 Phenanthrene	178	8.163	8.163	0.000	98	2134279	12.5	12.2	
127 Disulfoton	88	8.174	8.174	0.000	97	1030396	12.5	13.4	
129 Anthracene	178	8.215	8.215	0.000	97	2287629	12.5	13.3	
130 Carbazole	167	8.378	8.378	0.000	95	2035949	12.5	12.7	
131 Methyl parathion	109	8.524	8.524	0.000	92	543702	12.5	14.0	
133 Di-n-butyl phthalate	149	8.740	8.740	0.000	100	2188678	12.5	12.8	
134 Ethyl Parathion	109	8.897	8.897	0.000	85	303108	12.5	13.2	
135 4-Nitroquinoline-1-oxide	190	8.909	8.909	0.000	93	192281	12.5	12.3	
140 Octachlorostyrene	308	9.113	9.113	0.000	92	196085	12.5	13.3	
141 Isodrin	193	9.136	9.136	0.000	94	255606	12.5	12.4	
143 Fluoranthene	202	9.288	9.288	0.000	98	2296647	12.5	12.6	
147 Benzidine	184	9.439	9.439	0.000	99	4479538	37.5	37.3	
* 149 Pyrene-d10 (IS)	212	9.480	9.480	0.000	99	805207	5.00	5.00	
150 Pyrene	202	9.497	9.497	0.000	97	2374436	12.5	11.5	
S 136 Diallate	86				0		12.5	12.5	
$ 152 p-Terphenyl-d14	244	9.672	9.672	0.000	100	2957703	25.0	23.9	
154 p-Dimethylamino azobenzene	225	9.812	9.812	0.000	94	412387	12.5	13.5	
155 Chlorobenzilate	139	9.859	9.859	0.000	92	673828	12.5	11.8	
156 3,3'-Dimethylbenzidine	212	10.133	10.133	0.000	99	1294154	12.5	12.6	
157 Butyl benzyl phthalate	149	10.162	10.162	0.000	97	919578	12.5	12.1	
158 2-Acetylaminofluorene	181	10.372	10.372	0.000	94	802140	12.5	11.5	
159 3,3'-Dichlorobenzidine	252	10.669	10.669	0.000	74	783821	12.5	12.6	
161 Benzo[a]anthracene	228	10.669	10.669	0.000	99	1977135	12.5	12.2	
160 4,4'-Methylene bis(2-chloroani	231	10.681	10.681	0.000	96	429204	12.5	12.3	
162 Chrysene	228	10.710	10.710	0.000	97	1989791	12.5	12.3	
163 Bis(2-ethylhexyl) phthalate	149	10.780	10.780	0.000	98	1295211	12.5	12.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
164 6-Methylchrysene	242	11.211	11.211	0.000	99	1305455	12.5	12.0	
165 Di-n-octyl phthalate	149	11.537	11.537	0.000	99	1879696	12.5	12.7	
166 7,12-Dimethylbenz(a)anthracene	256	11.899	11.899	0.000	75	829848	12.5	12.7	
167 Benzo[b]fluoranthene	252	11.899	11.899	0.000	97	1877669	12.5	12.7	
168 Benzo[k]fluoranthene	252	11.934	11.934	0.000	99	1906315	12.5	12.4	
169 Benzo[a]pyrene	252	12.295	12.295	0.000	77	1722553	12.5	12.9	
* 170 Perylene-d12	264	12.371	12.371	0.000	98	609848	5.00	5.00	
171 3-Methylcholanthrene	268	12.773	12.773	0.000	91	873457	12.5	13.4	
172 Dibenz[a,h]acridine	279	13.496	13.496	0.000	90	1297339	12.5	13.1	
173 Dibenz[a,j]acridine	279	13.560	13.560	0.000	96	1430568	12.5	13.3	
174 Indeno[1,2,3-cd]pyrene	276	13.776	13.776	0.000	99	1581581	12.5	13.1	
175 Dibenz(a,h)anthracene	278	13.822	13.822	0.000	93	1622971	12.5	12.8	
176 Benzo[g,h,i]perylene	276	14.120	14.120	0.000	98	1648914	12.5	12.9	
S 178 Dinitrotoluene	165				0		25.0	25.8	
S 182 Isosafrole	162				0		12.5	12.2	

Reagents:

MSS_RV8270_6_00069 Amount Added: 1.00 Units: mL

Report Date: 07-Aug-2025 23:11:05 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0751.D

Injection Date: 07-Aug-2025 19:54:10 Instrument ID: HP19760 Operator ID: EEA115318

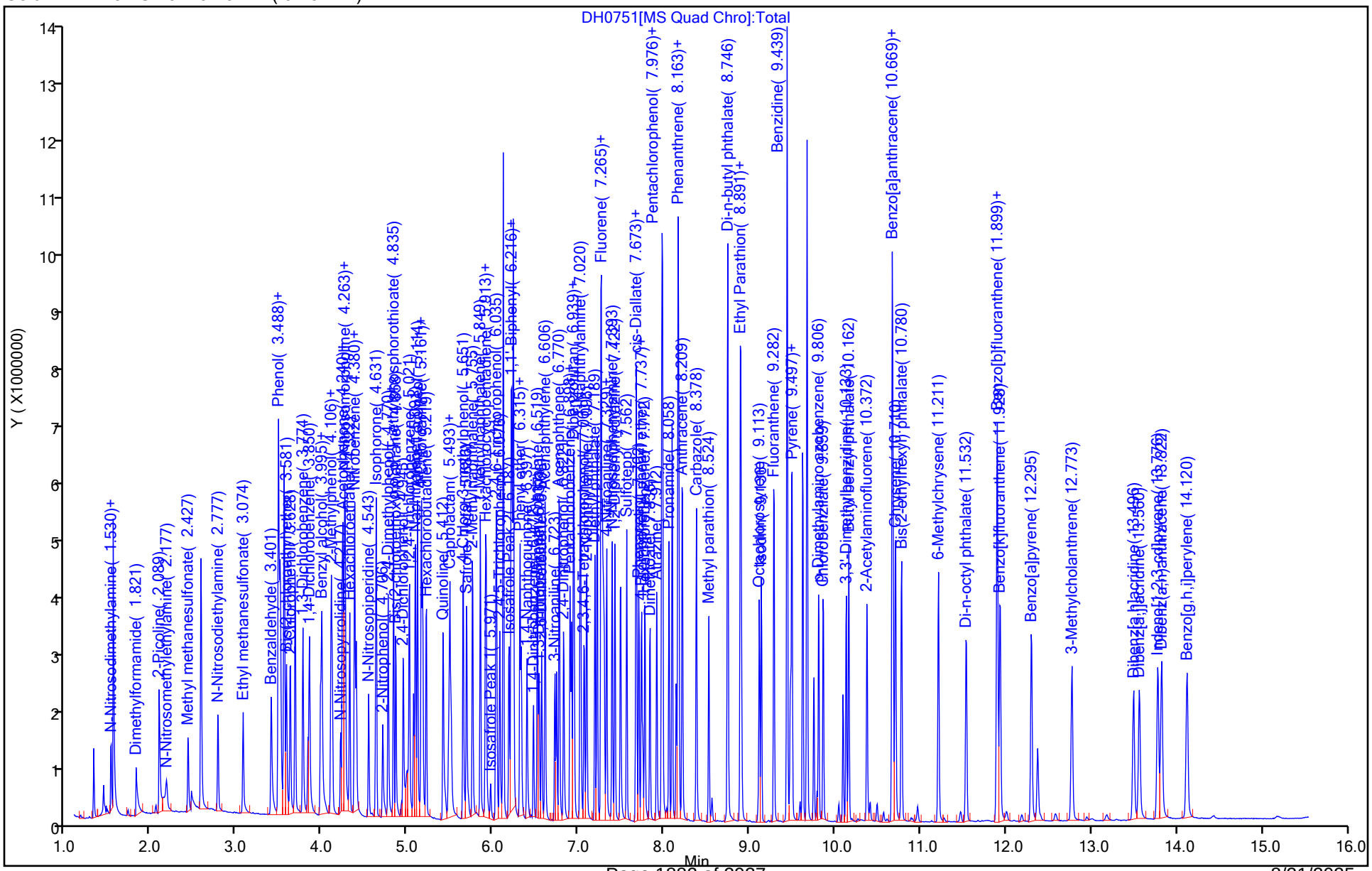
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 03/11/2025 21:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/11/2025 23:27

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indene	Ave	2.650	2.692		12.7	12.5	1.6	30.0
Benzoic acid	Ave	0.3569				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 14-Apr-2025 15:15:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0143944-012
Operator ID: CJS101602 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 20:17:59 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 20:17:59

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.779	1.780	-0.001	93	243765	12.5	12.8	
2	N-Nitrosodimethylamine	74	2.007	2.013	-0.006	92	447589	12.5	12.7	
3	Pyridine	79		2.054				ND	ND	U
4	Dimethylformamide	73	2.357	2.358	-0.001	94	518528	12.5	12.2	
5	2-Picoline	93	2.661	2.667	-0.006	90	748293	12.5	13.9	
6	N-Nitrosomethylethylamine	88	2.737	2.743	-0.006	95	293843	12.5	12.2	
7	Methyl methanesulfonate	80	3.017	3.017	0.000	87	498486	12.5	14.2	
11	N-Nitrosodiethylamine	102	3.397	3.403	-0.006	93	272174	12.5	12.6	
12	Ethyl methanesulfonate	109	3.689	3.689	0.000	94	297094	12.5	12.8	
13	Benzaldehyde	77	4.016	4.022	-0.006	91	616534	12.5	11.9	
16	Phenol	94	4.086	4.086	0.000	92	797385	12.5	13.5	
17	Aniline	93	4.115	4.121	-0.006	95	1029200	12.5	12.6	
18	Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	92	665424	12.5	13.1	
19	2-Chlorophenol	128	4.232	4.238	-0.006	89	511788	12.5	12.9	
21	1,3-Dichlorobenzene	146	4.378	4.384	-0.006	91	584241	12.5	12.8	
* 22	1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	151922	5.00	5.00	
23	1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	598764	12.5	12.2	
26	Benzyl alcohol	108	4.565	4.571	-0.006	86	380061	12.5	12.9	
27	1,2-Dichlorobenzene	146	4.594	4.600	-0.006	92	588954	12.5	13.0	
29	2-Methylphenol	108	4.670	4.676	-0.006	94	536262	12.5	13.4	
30	2,2'-oxybis[1-chloropropane]	45	4.693	4.699	-0.006	88	798598	12.5	12.9	
28	Indene	115	4.681	4.699	-0.018	86	1022590	12.5	12.7	
31	N-Nitrosopyrrolidine	100	4.798	4.804	-0.006	86	329540	12.5	13.4	
34	4-Methylphenol	108	4.822	4.822	0.000	55	563748	12.5	12.6	
32	Acetophenone	105	4.822	4.822	0.000	79	996571	12.5	13.3	
33	N-Nitrosodi-n-propylamine	70	4.822	4.827	-0.005	60	599173	12.5	12.9	
35	N-Nitrosomorpholine	56	4.839	4.845	-0.006	89	434229	12.5	13.3	
36	2-Toluidine	106	4.857	4.857	0.000	93	958786	12.5	13.4	
37	Hexachloroethane	117	4.921	4.927	-0.006	91	283799	12.5	12.7	
40	Nitrobenzene	77	4.985	4.985	0.000	85	865115	12.5	13.3	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	257186	12.5	12.5	
	42 Isophorone	82	5.213	5.219	-0.006	96	1474878	12.5	13.4	
	43 2-Nitrophenol	139	5.289	5.295	-0.006	84	262680	12.5	13.4	
	44 2,4-Dimethylphenol	107	5.330	5.335	-0.005	96	662033	12.5	14.3	
	46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	89	298391	12.5	14.1	
	48 Benzoic acid	105		5.423				ND	ND	U
	47 Bis(2-chloroethoxy)methane	93	5.423	5.429	-0.006	97	873483	12.5	13.3	
	49 2,4-Dichlorophenol	162	5.522	5.522	0.000	95	478302	12.5	14.2	
	50 1,2,4-Trichlorobenzene	180	5.598	5.604	-0.006	92	580394	12.5	13.8	
*	52 Naphthalene-d8	136	5.657	5.657	0.000	100	532113	5.00	5.00	
	53 Naphthalene	128	5.674	5.680	-0.006	98	1487398	12.5	13.2	
	56 4-Chloroaniline	127	5.732	5.733	-0.001	91	642833	12.5	13.7	
	57 2,6-Dichlorophenol	162	5.738	5.738	0.000	91	472040	12.5	14.1	
	58 Hexachloropropene	213	5.762	5.762	0.000	97	492080	12.5	14.9	
	59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	447128	12.5	13.8	
	61 Quinoline	129	5.995	6.001	-0.006	93	996288	12.5	13.5	
	62 Caprolactam	113	6.059	6.060	-0.001	55	131455	12.5	13.6	
	63 N-Nitrosodi-n-butylamine	84	6.054	6.060	-0.006	86	651359	12.5	13.8	
	64 p-Phenylene diamine	108		6.071				12.5	ND	7
	65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	595170	12.5	14.3	
	66 Safrole, Total	162	6.258	6.264	-0.006	77	385070	12.5	13.1	
	67 2-Methylnaphthalene	142	6.340	6.346	-0.006	90	1004444	12.5	14.6	
	69 1-Methylnaphthalene	142	6.433	6.439	-0.006	91	938509	12.5	12.9	
	71 Hexachlorocyclopentadiene	237		6.492				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.503	-0.006	97	644962	12.5	13.3	
	72 Isosafrole Peak 1	162	6.538	6.544	-0.006	83	59130	1.50	1.93	
	79 2,4,6-Trichlorophenol	196	6.608	6.614	-0.006	94	373719	12.5	14.0	
	80 2,4,5-Trichlorophenol	196	6.643	6.649	-0.006	91	428708	12.5	13.8	
	82 Isosafrole Peak 2	162	6.754	6.760	-0.006	82	411880	11.0	12.1	
	83 1,1'-Biphenyl	154	6.789	6.789	0.000	96	1291920	12.5	13.7	
	84 2-Chloronaphthalene	162	6.801	6.807	-0.006	90	995768	12.5	13.6	
	85 1-Chloronaphthalene	162	6.824	6.830	-0.006	96	1038802	12.5	14.5	
	86 Phenyl ether	170	6.889	6.895	-0.005	88	746487	12.5	13.9	
	87 2-Nitroaniline	138	6.906	6.906	0.000	75	311608	12.5	14.4	
	88 1,4-Naphthoquinone	158	6.976	6.982	-0.006	72	411269	12.5	13.4	
	89 1,4-Dinitrobenzene	168	7.040	7.046	-0.006	84	165499	12.5	15.3	
	90 Dimethyl phthalate	163	7.081	7.087	-0.006	96	1238400	12.5	14.0	
	91 1,3-Dinitrobenzene	168	7.105	7.111	-0.006	79	178334	12.5	14.1	
	92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	87	284398	12.5	14.7	
	93 Acenaphthylene	152	7.198	7.204	-0.006	99	1594648	12.5	14.2	
	95 3-Nitroaniline	138	7.291	7.297	-0.006	86	278023	12.5	14.3	
*	96 Acenaphthene-d10	164	7.332	7.338	-0.006	95	322490	5.00	5.00	
	97 Acenaphthene	153	7.362	7.367	-0.005	97	1105914	12.5	14.3	
	98 2,4-Dinitrophenol	184	7.397	7.402	-0.005	80	354258	25.0	29.3	
	100 4-Nitrophenol	109	7.461	7.467	-0.006	82	532607	25.0	32.8	
	99 Pentachlorobenzene	250	7.484	7.490	-0.006	98	610607	12.5	14.3	
	102 2,4-Dinitrotoluene	165	7.519	7.525	-0.006	83	373638	12.5	14.2	
	101 Dibenzofuran	168	7.531	7.531	0.000	97	1515359	12.5	13.7	
	104 1-Naphthylamine	143	7.607	7.607	0.000	96	912400	12.5	12.9	
	105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	397788	12.5	14.0	
	106 2-Naphthylamine	143	7.683	7.683	0.000	93	995264	12.5	14.5	
	107 Diethyl phthalate	149	7.759	7.765	-0.006	96	1232557	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.835	7.840	-0.006	74	206713	12.5	13.4	
108 Fluorene	166	7.852	7.858	-0.006	91	1169365	12.5	13.6	
110 4-Chlorophenyl phenyl ether	204	7.858	7.864	-0.006	91	629431	12.5	14.1	
111 N-Nitro-o-toluidine	152	7.870	7.875	-0.005	83	293686	12.5	13.4	
112 4-Nitroaniline	138	7.875	7.881	-0.006	78	288928	12.5	15.4	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.910	-0.005	75	476633	25.0	27.9	
114 N-Nitrosodiphenylamine	169	7.969	7.975	-0.006	66	826570	10.6	12.4	
115 1,2-Diphenylhydrazine	77	8.010	8.016	-0.006	98	1785054	12.5	14.8	
117 Sulfotepp	97	8.132	8.132	0.000	78	290301	12.5	14.7	
118 1,3,5-Trinitrobenzene	213	8.226	8.232	-0.006	81	113249	12.5	15.8	
120 cis-Diallate	86	8.249	8.255	-0.006	83	465659	9.38	10.0	
119 Phorate	75	8.261	8.261	0.000	94	985411	12.5	13.5	
121 Phenacetin	108	8.272	8.278	-0.006	89	674324	12.5	15.7	
122 4-Bromophenyl phenyl ether	248	8.325	8.331	-0.006	66	423231	12.5	14.6	
123 trans-Diallate	86	8.337	8.337	0.000	91	167276	3.13	3.59	
124 Hexachlorobenzene	284	8.372	8.378	-0.006	95	524243	12.5	14.5	
125 Dimethoate	87	8.418	8.424	-0.006	95	513860	12.5	13.5	
126 Atrazine	200	8.488	8.494	-0.006	89	320472	12.5	13.6	
127 Pentachlorophenol	266	8.564	8.570	-0.006	92	629268	25.0	30.1	
129 4-Aminobiphenyl	169	8.570	8.576	-0.006	90	1095051	12.5	12.8	
128 Pentachloronitrobenzene	237	8.576	8.582	-0.006	86	246579	12.5	14.8	
130 Pronamide	173	8.634	8.640	-0.006	90	575122	12.5	15.2	
* 131 Phenanthrene-d10	188	8.745	8.751	-0.006	97	595736	5.00	5.00	
133 Dinoseb	211	8.745	8.751	-0.006	84	328455	12.5	15.7	
134 Disulfoton	88	8.757	8.763	-0.006	97	858893	12.5	13.1	
132 Phenanthrene	178	8.769	8.775	-0.006	98	1732641	12.5	14.1	
135 Anthracene	178	8.815	8.821	-0.006	98	1791331	12.5	14.6	
136 Carbazole	167	8.973	8.979	-0.006	96	1569326	12.5	14.9	
137 Methyl parathion	109	9.113	9.119	-0.006	89	449966	12.5	15.3	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	2076204	12.5	16.2	
139 Ethyl Parathion	109	9.487	9.493	-0.006	82	276590	12.5	15.5	
140 4-Nitroquinoline-1-oxide	190	9.510	9.516	-0.006	80	139907	12.5	14.0	
S 68 Diallate	86				0		12.5	13.6	
142 Octachlorostyrene	308	9.721	9.726	-0.005	87	248705	12.5	17.8	
143 Isodrin	193	9.761	9.761	0.000	91	233201	12.5	13.5	
144 Fluoranthene	202	9.902	9.907	-0.005	98	1960243	12.5	14.2	
145 Benzidine	184		10.048				ND	ND	U
* 146 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	98	639717	5.00	5.00	
147 Pyrene	202	10.118	10.123	-0.005	98	2110431	12.5	13.8	
200 Aramite Peak 1	185		10.229				ND	ND	U
192 Aramite Peak 2	185		10.246				ND	ND	U
185 Aramite Peak 3	185		10.293				ND	ND	U
180 Aramite Peak 4	185		10.369				ND	ND	U
149 p-Dimethylamino azobenzene	225	10.421	10.427	-0.006	91	338078	12.5	16.9	
150 Chlorobenzilate	139	10.474	10.480	-0.006	87	637414	12.5	16.5	
151 Famphur	218		10.480				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.777	10.783	-0.006	99	987407	12.5	15.0	
153 Butyl benzyl phthalate	149	10.801	10.807	-0.006	94	869784	12.5	15.6	
155 2-Acetylaminofluorene	181	11.052	11.058	-0.006	92	620601	12.5	14.1	
S 94 Isosafrole	162				0		12.5	14.0	
157 3,3'-Dichlorobenzidine	252	11.390	11.396	-0.006	77	719828	12.5	13.4	
158 4,4'-Methylene bis(2-chloroani	231	11.402	11.402	0.000	96	372780	12.5	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.402	11.408	-0.006	98	1922475	12.5	14.4	
159 Chrysene	228	11.449	11.455	-0.006	96	1755914	12.5	13.9	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	1187985	12.5	15.0	
S 103 Aramite, Total	185		11.583				12.5	ND	7
161 6-Methylchrysene	242	12.021	12.027	-0.006	98	1193433	12.5	14.2	
162 Di-n-octyl phthalate	149	12.360	12.366	-0.006	99	2003993	12.5	14.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.827	-0.006	73	787155	12.5	14.6	
164 Benzo[b]fluoranthene	252	12.821	12.827	-0.006	96	1918927	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.862	12.868	-0.006	99	1906559	12.5	13.3	
166 Benzo[a]pyrene	252	13.282	13.294	-0.012	76	1796983	12.5	13.6	
* 167 Perylene-d12	264	13.364	13.370	-0.006	100	581169	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.814	-0.006	89	727128	12.5	11.5	
169 Dibenz[a,h]acridine	279	14.596	14.602	-0.006	90	1608494	12.5	15.8	
170 Dibenz[a,j]acridine	279	14.666	14.672	-0.006	96	1646541	12.5	14.4	
171 Indeno[1,2,3-cd]pyrene	276	14.900	14.906	-0.006	98	1816276	12.5	13.7	
172 Dibenz(a,h)anthracene	278	14.941	14.947	-0.006	93	1830884	12.5	14.5	
173 Benzo[g,h,i]perylene	276	15.273	15.279	-0.006	98	1899773	12.5	14.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00036 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 20:18:22 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D

Injection Date: 14-Apr-2025 15:15:30 Instrument ID: HP23264 Operator ID: CJS101602

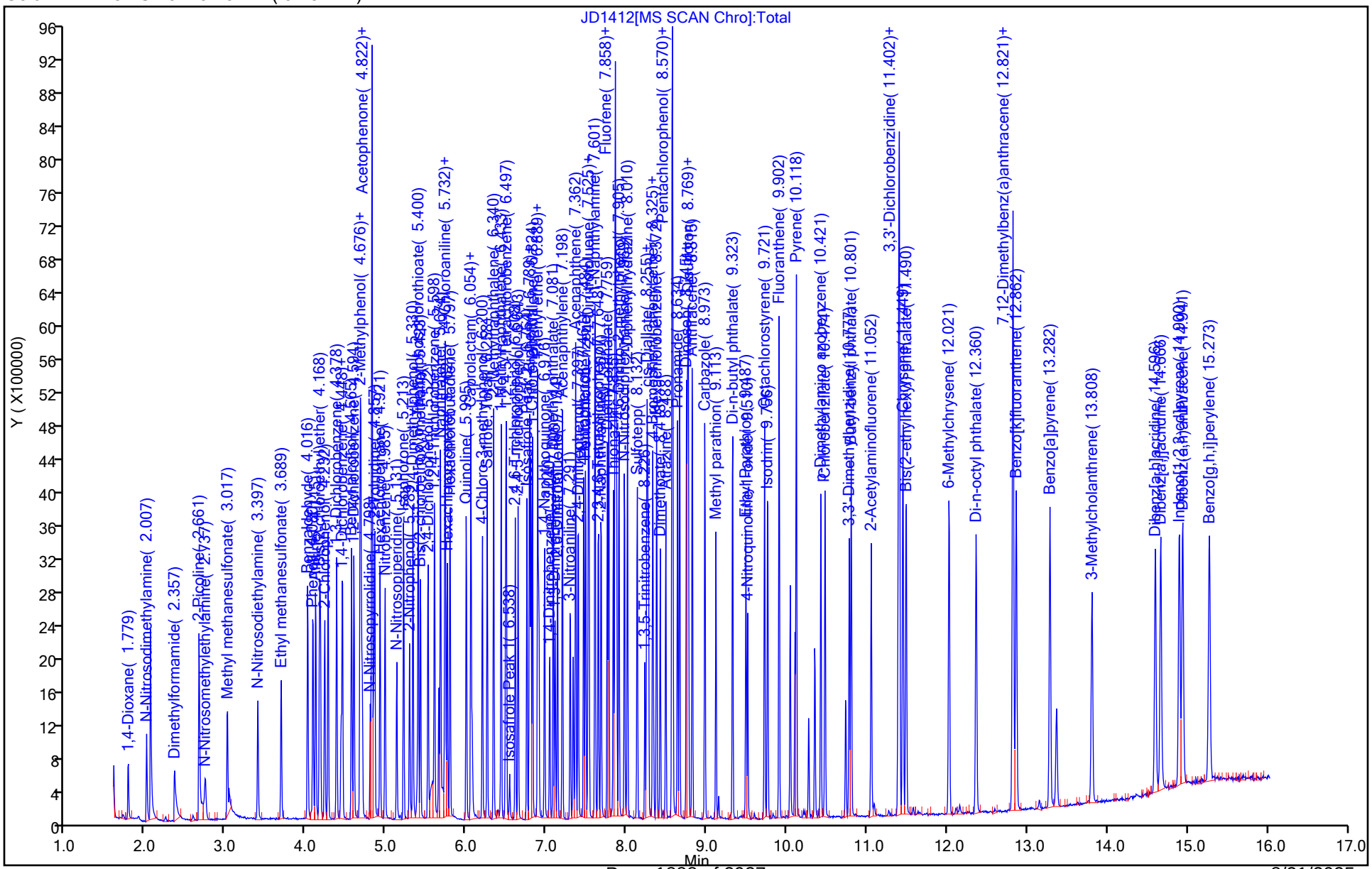
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



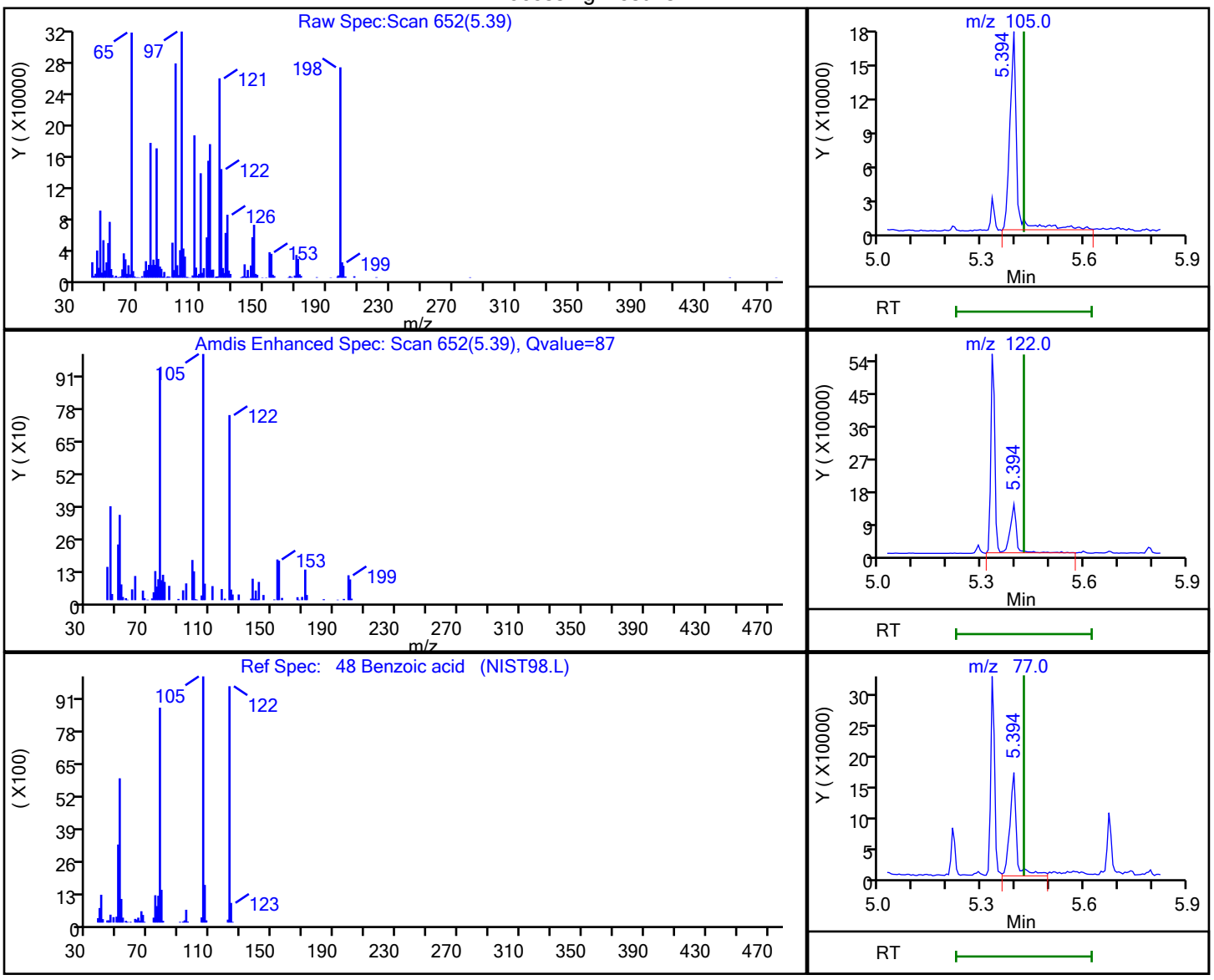
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

48 Benzoic acid, CAS: 65-85-0

Processing Results



RT	Mass	Response	Amount
5.39	105.00	265707	6.995574
5.39	122.00	642408	
5.39	77.00	231729	

Reviewer: N5QU, 14-Apr-2025 18:40:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 03/13/2025 09:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/13/2025 09:15

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0478				1.25		
Aramite Peak 2	Ave	0.0394				1.25		
Aramite Peak 3	Ave	0.1103				5.00		
Aramite Peak 4	Ave	0.1215				5.00		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 14-Apr-2025 15:15:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0143944-012
Operator ID: CJS101602 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 20:17:59 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 20:17:59

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.779	1.780	-0.001	93	243765	12.5	12.8	
2	N-Nitrosodimethylamine	74	2.007	2.013	-0.006	92	447589	12.5	12.7	
3	Pyridine	79		2.054				ND	ND	U
4	Dimethylformamide	73	2.357	2.358	-0.001	94	518528	12.5	12.2	
5	2-Picoline	93	2.661	2.667	-0.006	90	748293	12.5	13.9	
6	N-Nitrosomethylethylamine	88	2.737	2.743	-0.006	95	293843	12.5	12.2	
7	Methyl methanesulfonate	80	3.017	3.017	0.000	87	498486	12.5	14.2	
11	N-Nitrosodiethylamine	102	3.397	3.403	-0.006	93	272174	12.5	12.6	
12	Ethyl methanesulfonate	109	3.689	3.689	0.000	94	297094	12.5	12.8	
13	Benzaldehyde	77	4.016	4.022	-0.006	91	616534	12.5	11.9	
16	Phenol	94	4.086	4.086	0.000	92	797385	12.5	13.5	
17	Aniline	93	4.115	4.121	-0.006	95	1029200	12.5	12.6	
18	Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	92	665424	12.5	13.1	
19	2-Chlorophenol	128	4.232	4.238	-0.006	89	511788	12.5	12.9	
21	1,3-Dichlorobenzene	146	4.378	4.384	-0.006	91	584241	12.5	12.8	
* 22	1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	151922	5.00	5.00	
23	1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	598764	12.5	12.2	
26	Benzyl alcohol	108	4.565	4.571	-0.006	86	380061	12.5	12.9	
27	1,2-Dichlorobenzene	146	4.594	4.600	-0.006	92	588954	12.5	13.0	
29	2-Methylphenol	108	4.670	4.676	-0.006	94	536262	12.5	13.4	
30	2,2'-oxybis[1-chloropropane]	45	4.693	4.699	-0.006	88	798598	12.5	12.9	
28	Indene	115	4.681	4.699	-0.018	86	1022590	12.5	12.7	
31	N-Nitrosopyrrolidine	100	4.798	4.804	-0.006	86	329540	12.5	13.4	
34	4-Methylphenol	108	4.822	4.822	0.000	55	563748	12.5	12.6	
32	Acetophenone	105	4.822	4.822	0.000	79	996571	12.5	13.3	
33	N-Nitrosodi-n-propylamine	70	4.822	4.827	-0.005	60	599173	12.5	12.9	
35	N-Nitrosomorpholine	56	4.839	4.845	-0.006	89	434229	12.5	13.3	
36	2-Toluidine	106	4.857	4.857	0.000	93	958786	12.5	13.4	
37	Hexachloroethane	117	4.921	4.927	-0.006	91	283799	12.5	12.7	
40	Nitrobenzene	77	4.985	4.985	0.000	85	865115	12.5	13.3	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	257186	12.5	12.5	
	42 Isophorone	82	5.213	5.219	-0.006	96	1474878	12.5	13.4	
	43 2-Nitrophenol	139	5.289	5.295	-0.006	84	262680	12.5	13.4	
	44 2,4-Dimethylphenol	107	5.330	5.335	-0.005	96	662033	12.5	14.3	
	46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	89	298391	12.5	14.1	
	48 Benzoic acid	105		5.423				ND	ND	U
	47 Bis(2-chloroethoxy)methane	93	5.423	5.429	-0.006	97	873483	12.5	13.3	
	49 2,4-Dichlorophenol	162	5.522	5.522	0.000	95	478302	12.5	14.2	
	50 1,2,4-Trichlorobenzene	180	5.598	5.604	-0.006	92	580394	12.5	13.8	
*	52 Naphthalene-d8	136	5.657	5.657	0.000	100	532113	5.00	5.00	
	53 Naphthalene	128	5.674	5.680	-0.006	98	1487398	12.5	13.2	
	56 4-Chloroaniline	127	5.732	5.733	-0.001	91	642833	12.5	13.7	
	57 2,6-Dichlorophenol	162	5.738	5.738	0.000	91	472040	12.5	14.1	
	58 Hexachloropropene	213	5.762	5.762	0.000	97	492080	12.5	14.9	
	59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	447128	12.5	13.8	
	61 Quinoline	129	5.995	6.001	-0.006	93	996288	12.5	13.5	
	62 Caprolactam	113	6.059	6.060	-0.001	55	131455	12.5	13.6	
	63 N-Nitrosodi-n-butylamine	84	6.054	6.060	-0.006	86	651359	12.5	13.8	
	64 p-Phenylene diamine	108		6.071				12.5	ND	7
	65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	595170	12.5	14.3	
	66 Safrole, Total	162	6.258	6.264	-0.006	77	385070	12.5	13.1	
	67 2-Methylnaphthalene	142	6.340	6.346	-0.006	90	1004444	12.5	14.6	
	69 1-Methylnaphthalene	142	6.433	6.439	-0.006	91	938509	12.5	12.9	
	71 Hexachlorocyclopentadiene	237		6.492				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.503	-0.006	97	644962	12.5	13.3	
	72 Isosafrole Peak 1	162	6.538	6.544	-0.006	83	59130	1.50	1.93	
	79 2,4,6-Trichlorophenol	196	6.608	6.614	-0.006	94	373719	12.5	14.0	
	80 2,4,5-Trichlorophenol	196	6.643	6.649	-0.006	91	428708	12.5	13.8	
	82 Isosafrole Peak 2	162	6.754	6.760	-0.006	82	411880	11.0	12.1	
	83 1,1'-Biphenyl	154	6.789	6.789	0.000	96	1291920	12.5	13.7	
	84 2-Chloronaphthalene	162	6.801	6.807	-0.006	90	995768	12.5	13.6	
	85 1-Chloronaphthalene	162	6.824	6.830	-0.006	96	1038802	12.5	14.5	
	86 Phenyl ether	170	6.889	6.895	-0.005	88	746487	12.5	13.9	
	87 2-Nitroaniline	138	6.906	6.906	0.000	75	311608	12.5	14.4	
	88 1,4-Naphthoquinone	158	6.976	6.982	-0.006	72	411269	12.5	13.4	
	89 1,4-Dinitrobenzene	168	7.040	7.046	-0.006	84	165499	12.5	15.3	
	90 Dimethyl phthalate	163	7.081	7.087	-0.006	96	1238400	12.5	14.0	
	91 1,3-Dinitrobenzene	168	7.105	7.111	-0.006	79	178334	12.5	14.1	
	92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	87	284398	12.5	14.7	
	93 Acenaphthylene	152	7.198	7.204	-0.006	99	1594648	12.5	14.2	
	95 3-Nitroaniline	138	7.291	7.297	-0.006	86	278023	12.5	14.3	
*	96 Acenaphthene-d10	164	7.332	7.338	-0.006	95	322490	5.00	5.00	
	97 Acenaphthene	153	7.362	7.367	-0.005	97	1105914	12.5	14.3	
	98 2,4-Dinitrophenol	184	7.397	7.402	-0.005	80	354258	25.0	29.3	
	100 4-Nitrophenol	109	7.461	7.467	-0.006	82	532607	25.0	32.8	
	99 Pentachlorobenzene	250	7.484	7.490	-0.006	98	610607	12.5	14.3	
	102 2,4-Dinitrotoluene	165	7.519	7.525	-0.006	83	373638	12.5	14.2	
	101 Dibenzofuran	168	7.531	7.531	0.000	97	1515359	12.5	13.7	
	104 1-Naphthylamine	143	7.607	7.607	0.000	96	912400	12.5	12.9	
	105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	397788	12.5	14.0	
	106 2-Naphthylamine	143	7.683	7.683	0.000	93	995264	12.5	14.5	
	107 Diethyl phthalate	149	7.759	7.765	-0.006	96	1232557	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.835	7.840	-0.006	74	206713	12.5	13.4	
108 Fluorene	166	7.852	7.858	-0.006	91	1169365	12.5	13.6	
110 4-Chlorophenyl phenyl ether	204	7.858	7.864	-0.006	91	629431	12.5	14.1	
111 N-Nitro-o-toluidine	152	7.870	7.875	-0.005	83	293686	12.5	13.4	
112 4-Nitroaniline	138	7.875	7.881	-0.006	78	288928	12.5	15.4	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.910	-0.005	75	476633	25.0	27.9	
114 N-Nitrosodiphenylamine	169	7.969	7.975	-0.006	66	826570	10.6	12.4	
115 1,2-Diphenylhydrazine	77	8.010	8.016	-0.006	98	1785054	12.5	14.8	
117 Sulfotepp	97	8.132	8.132	0.000	78	290301	12.5	14.7	
118 1,3,5-Trinitrobenzene	213	8.226	8.232	-0.006	81	113249	12.5	15.8	
120 cis-Diallate	86	8.249	8.255	-0.006	83	465659	9.38	10.0	
119 Phorate	75	8.261	8.261	0.000	94	985411	12.5	13.5	
121 Phenacetin	108	8.272	8.278	-0.006	89	674324	12.5	15.7	
122 4-Bromophenyl phenyl ether	248	8.325	8.331	-0.006	66	423231	12.5	14.6	
123 trans-Diallate	86	8.337	8.337	0.000	91	167276	3.13	3.59	
124 Hexachlorobenzene	284	8.372	8.378	-0.006	95	524243	12.5	14.5	
125 Dimethoate	87	8.418	8.424	-0.006	95	513860	12.5	13.5	
126 Atrazine	200	8.488	8.494	-0.006	89	320472	12.5	13.6	
127 Pentachlorophenol	266	8.564	8.570	-0.006	92	629268	25.0	30.1	
129 4-Aminobiphenyl	169	8.570	8.576	-0.006	90	1095051	12.5	12.8	
128 Pentachloronitrobenzene	237	8.576	8.582	-0.006	86	246579	12.5	14.8	
130 Pronamide	173	8.634	8.640	-0.006	90	575122	12.5	15.2	
* 131 Phenanthrene-d10	188	8.745	8.751	-0.006	97	595736	5.00	5.00	
133 Dinoseb	211	8.745	8.751	-0.006	84	328455	12.5	15.7	
134 Disulfoton	88	8.757	8.763	-0.006	97	858893	12.5	13.1	
132 Phenanthrene	178	8.769	8.775	-0.006	98	1732641	12.5	14.1	
135 Anthracene	178	8.815	8.821	-0.006	98	1791331	12.5	14.6	
136 Carbazole	167	8.973	8.979	-0.006	96	1569326	12.5	14.9	
137 Methyl parathion	109	9.113	9.119	-0.006	89	449966	12.5	15.3	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	2076204	12.5	16.2	
139 Ethyl Parathion	109	9.487	9.493	-0.006	82	276590	12.5	15.5	
140 4-Nitroquinoline-1-oxide	190	9.510	9.516	-0.006	80	139907	12.5	14.0	
S 68 Diallate	86				0		12.5	13.6	
142 Octachlorostyrene	308	9.721	9.726	-0.005	87	248705	12.5	17.8	
143 Isodrin	193	9.761	9.761	0.000	91	233201	12.5	13.5	
144 Fluoranthene	202	9.902	9.907	-0.005	98	1960243	12.5	14.2	
145 Benzidine	184		10.048				ND	ND	U
* 146 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	98	639717	5.00	5.00	
147 Pyrene	202	10.118	10.123	-0.005	98	2110431	12.5	13.8	
200 Aramite Peak 1	185		10.229				ND	ND	U
192 Aramite Peak 2	185		10.246				ND	ND	U
185 Aramite Peak 3	185		10.293				ND	ND	U
180 Aramite Peak 4	185		10.369				ND	ND	U
149 p-Dimethylamino azobenzene	225	10.421	10.427	-0.006	91	338078	12.5	16.9	
150 Chlorobenzilate	139	10.474	10.480	-0.006	87	637414	12.5	16.5	
151 Famphur	218		10.480				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.777	10.783	-0.006	99	987407	12.5	15.0	
153 Butyl benzyl phthalate	149	10.801	10.807	-0.006	94	869784	12.5	15.6	
155 2-Acetylaminofluorene	181	11.052	11.058	-0.006	92	620601	12.5	14.1	
S 94 Isosafrole	162				0		12.5	14.0	
157 3,3'-Dichlorobenzidine	252	11.390	11.396	-0.006	77	719828	12.5	13.4	
158 4,4'-Methylene bis(2-chloroani	231	11.402	11.402	0.000	96	372780	12.5	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.402	11.408	-0.006	98	1922475	12.5	14.4	
159 Chrysene	228	11.449	11.455	-0.006	96	1755914	12.5	13.9	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	1187985	12.5	15.0	
S 103 Aramite, Total	185		11.583				12.5	ND	7
161 6-Methylchrysene	242	12.021	12.027	-0.006	98	1193433	12.5	14.2	
162 Di-n-octyl phthalate	149	12.360	12.366	-0.006	99	2003993	12.5	14.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.827	-0.006	73	787155	12.5	14.6	
164 Benzo[b]fluoranthene	252	12.821	12.827	-0.006	96	1918927	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.862	12.868	-0.006	99	1906559	12.5	13.3	
166 Benzo[a]pyrene	252	13.282	13.294	-0.012	76	1796983	12.5	13.6	
* 167 Perylene-d12	264	13.364	13.370	-0.006	100	581169	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.814	-0.006	89	727128	12.5	11.5	
169 Dibenz[a,h]acridine	279	14.596	14.602	-0.006	90	1608494	12.5	15.8	
170 Dibenz[a,j]acridine	279	14.666	14.672	-0.006	96	1646541	12.5	14.4	
171 Indeno[1,2,3-cd]pyrene	276	14.900	14.906	-0.006	98	1816276	12.5	13.7	
172 Dibenz(a,h)anthracene	278	14.941	14.947	-0.006	93	1830884	12.5	14.5	
173 Benzo[g,h,i]perylene	276	15.273	15.279	-0.006	98	1899773	12.5	14.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00036 Amount Added: 1.00 Units: mL

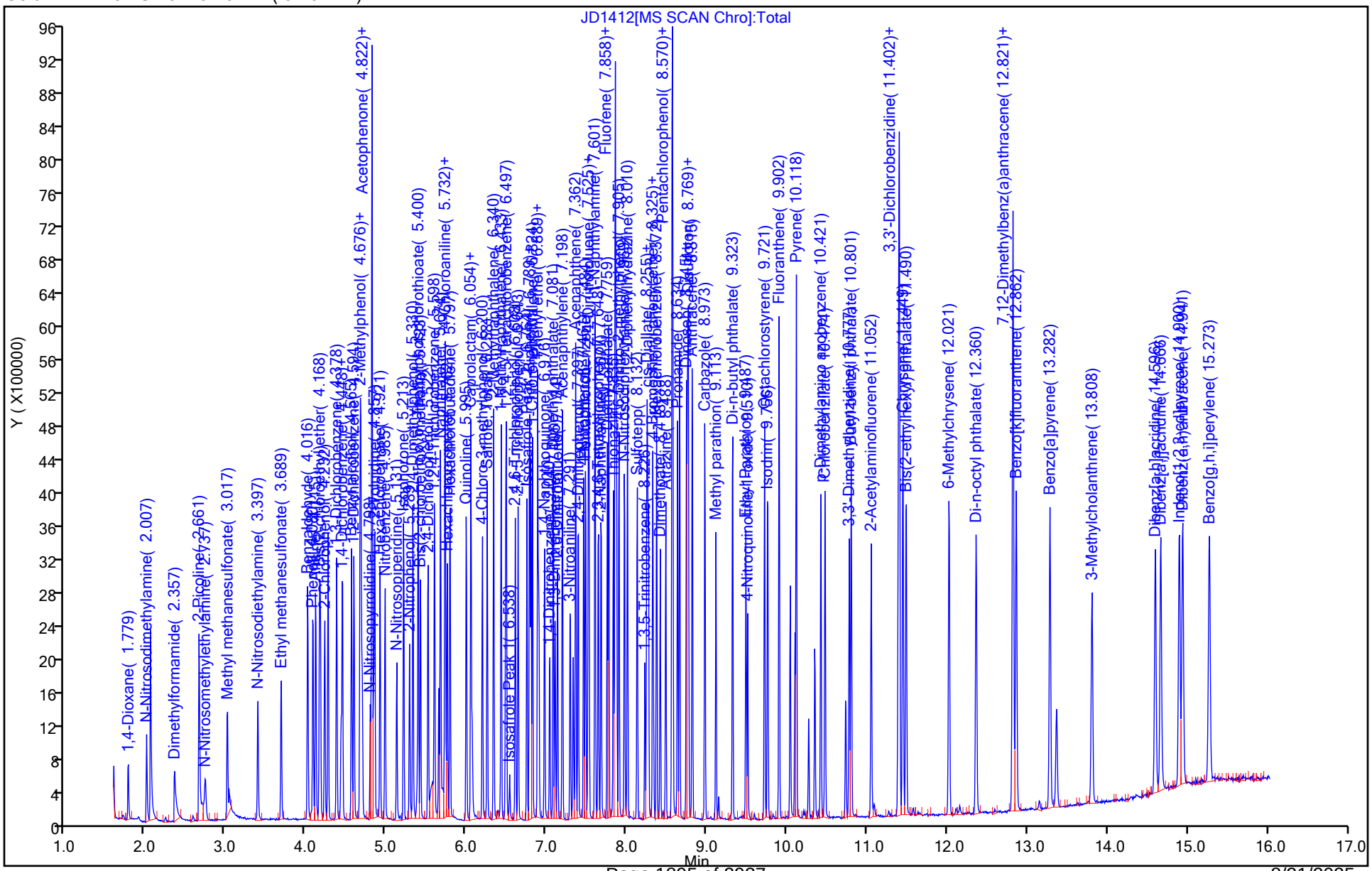
Report Date: 14-Apr-2025 20:18:22 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D

Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



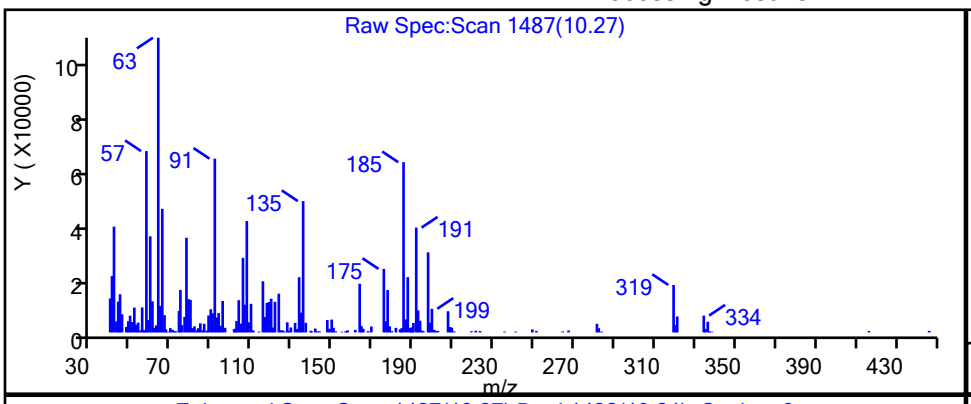
User Disabled Compound Report

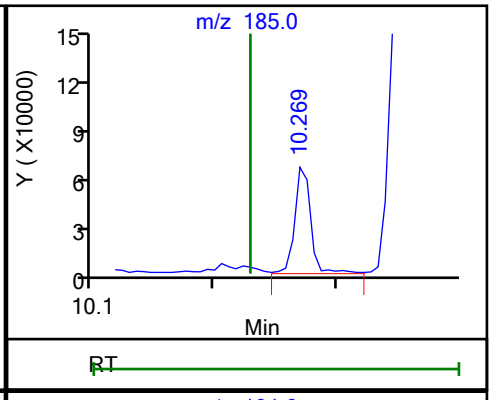
Eurofins Lancaster Laboratories Environment Testing, LLC

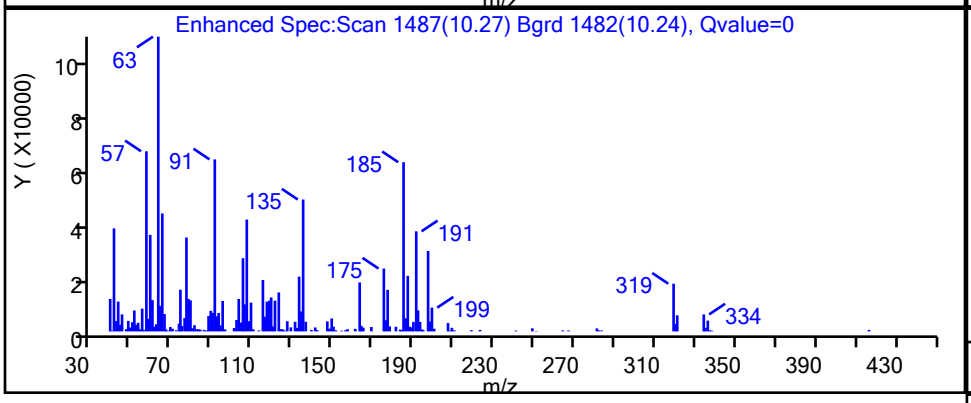
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Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

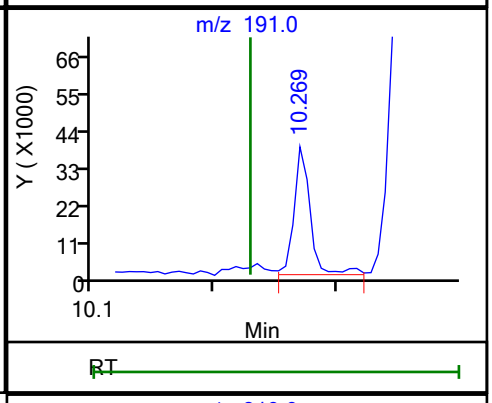
200 Aramite Peak 1, CAS: STL00690

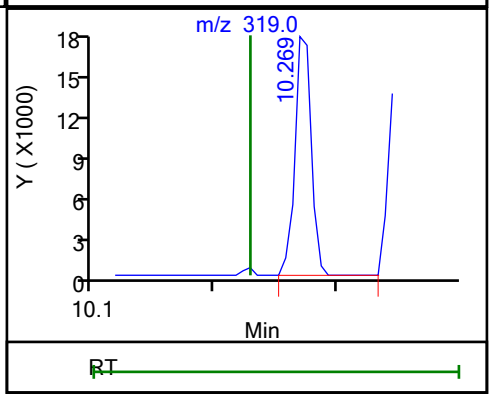
Processing Results











RT	Mass	Response	Amount
10.27	185.00	54949	8.986769
10.27	191.00	36284	
10.27	319.00	16254	
10.28	334.00	7384	
10.27	197.00	23424	

Reviewer: N5QU, 14-Apr-2025 18:46:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

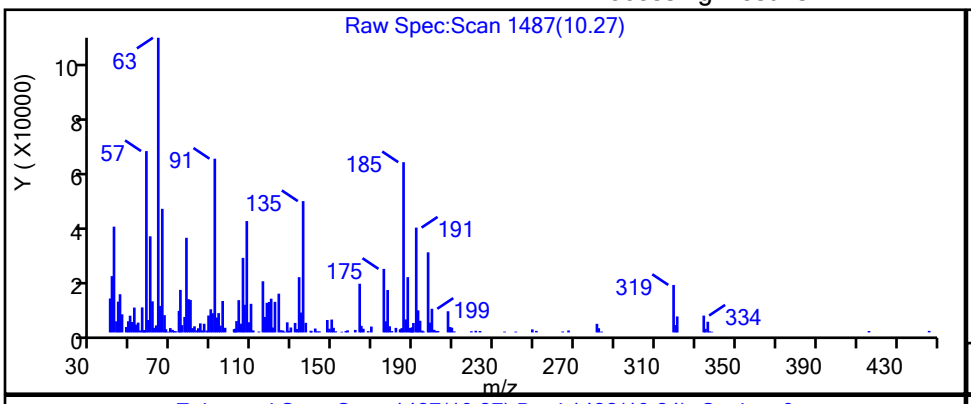
User Disabled Compound Report

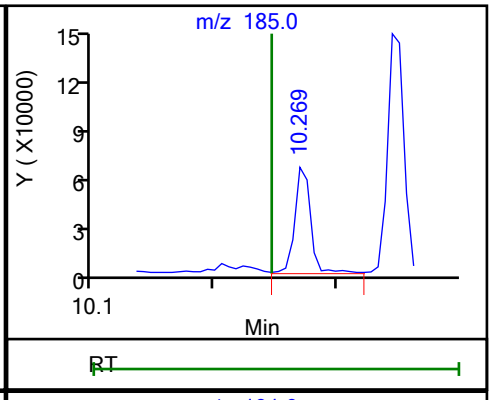
Eurofins Lancaster Laboratories Environment Testing, LLC

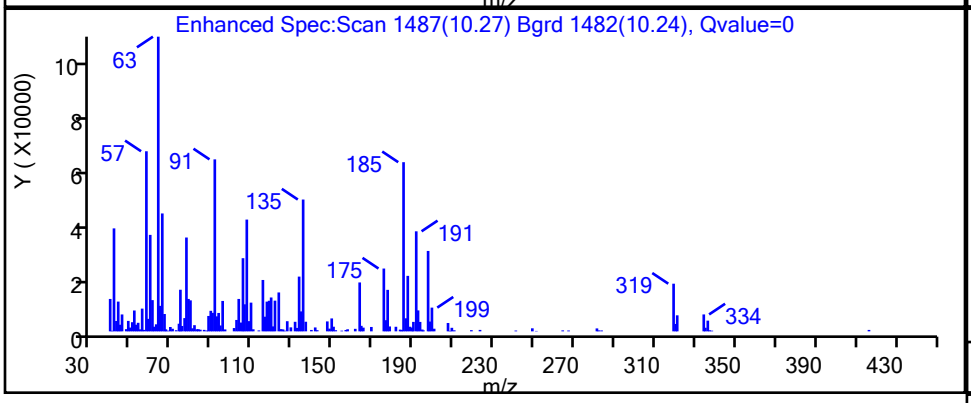
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Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

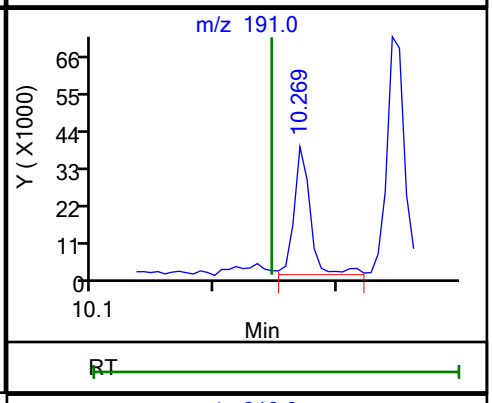
192 Aramite Peak 2, CAS: STL00691

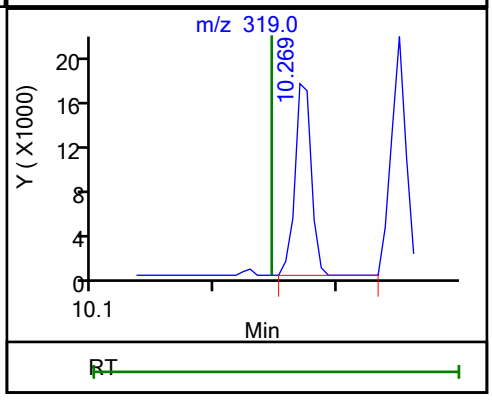
Processing Results











RT	Mass	Response	Amount
10.27	185.00	54949	10.887841
10.27	191.00	36284	
10.27	319.00	16254	
10.28	334.00	7384	
10.27	197.00	23424	

Reviewer: N5QU, 14-Apr-2025 18:46:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

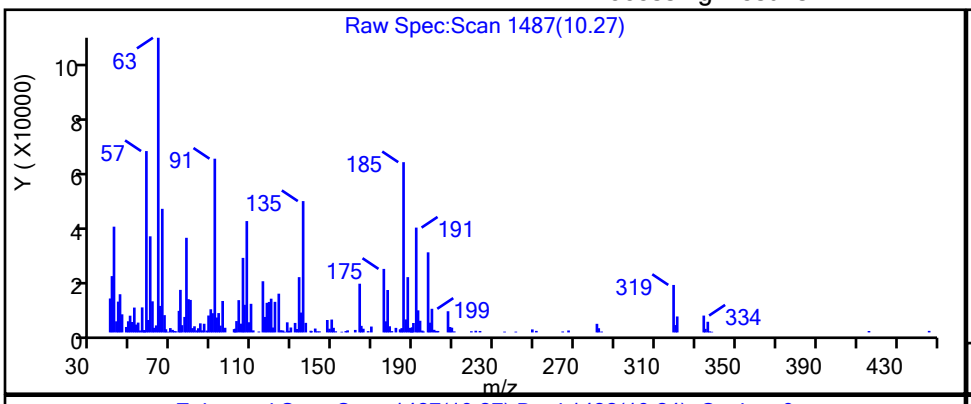
User Disabled Compound Report

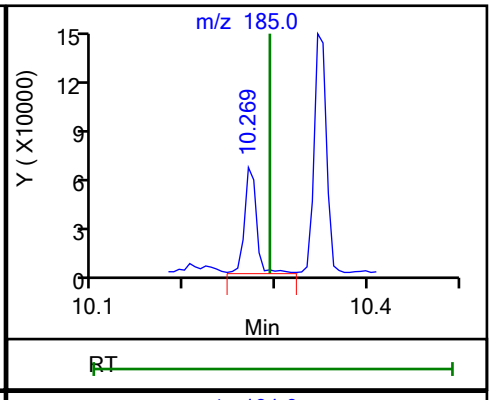
Eurofins Lancaster Laboratories Environment Testing, LLC

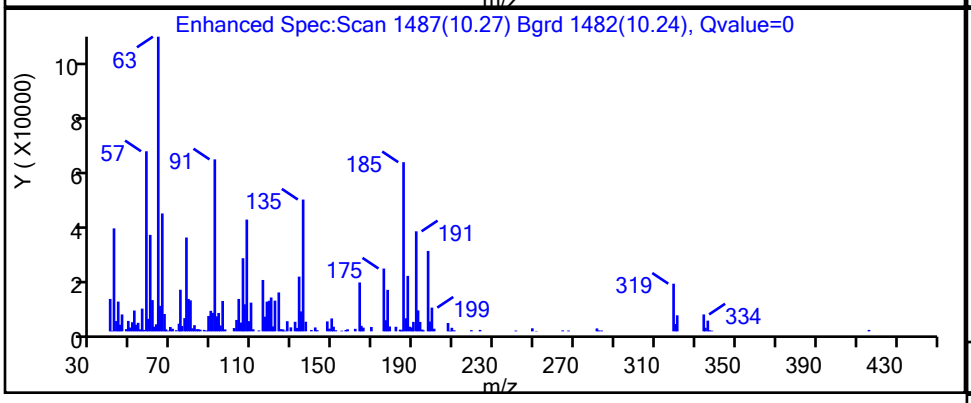
Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

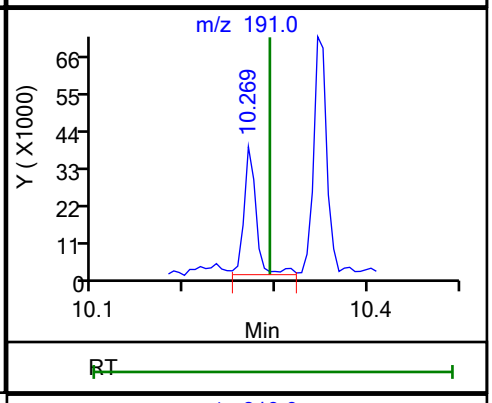
185 Aramite Peak 3, CAS: STL02688

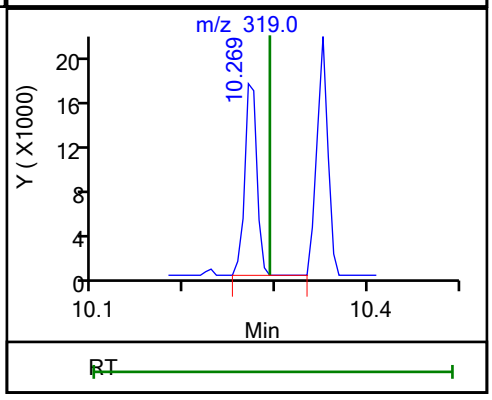
Processing Results











RT	Mass	Response	Amount
10.27	185.00	54949	3.892068
10.27	191.00	36284	
10.27	319.00	16254	
10.28	334.00	7384	
10.27	197.00	23424	

Reviewer: N5QU, 14-Apr-2025 18:46:35 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

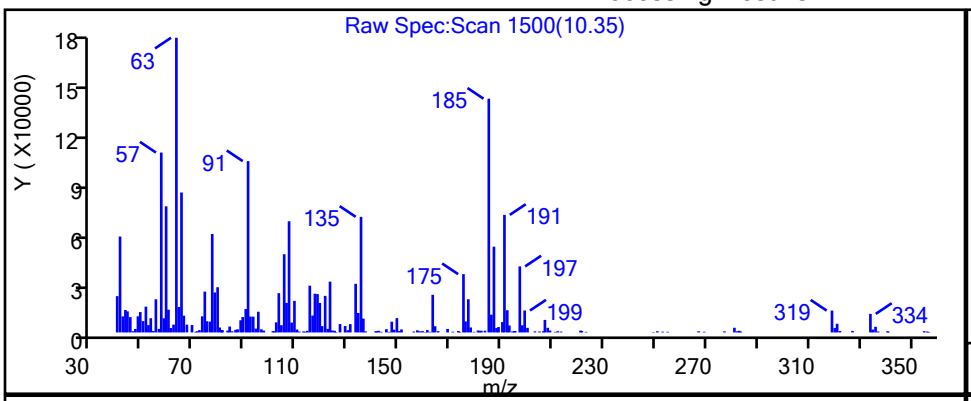
User Disabled Compound Report

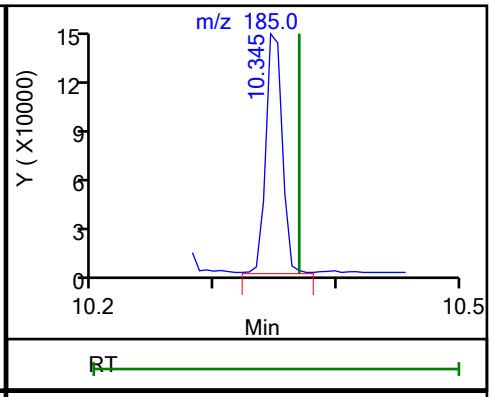
Eurofins Lancaster Laboratories Environment Testing, LLC

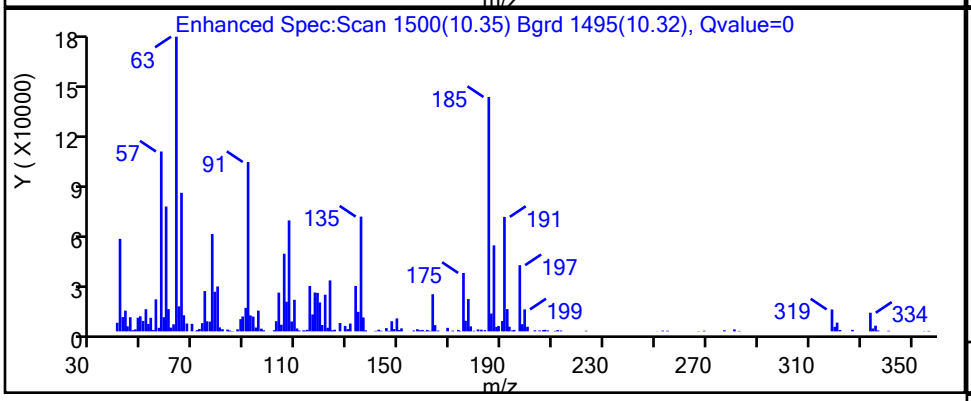
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Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

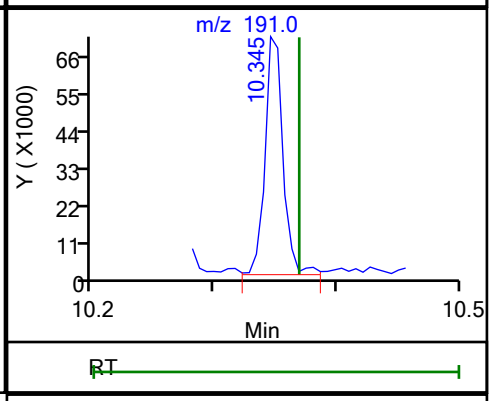
180 Aramite Peak 4, CAS: STL02689

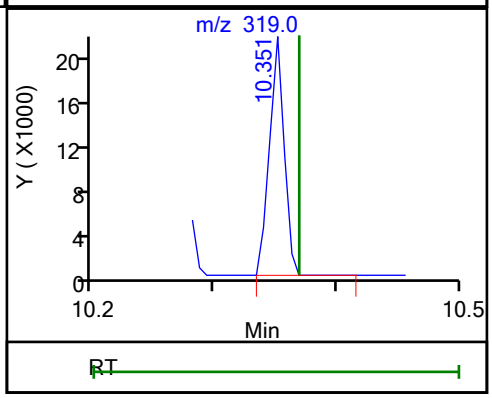
Processing Results











RT	Mass	Response	Amount
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10.35	191.00	73699	
10.35	319.00	18231	
10.35	334.00	13560	
10.35	197.00	36198	

Reviewer: N5QU, 14-Apr-2025 18:46:37 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 04/14/2025 11:33

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/14/2025 14:11

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.6418		12.8	12.5	2.1	30.0
N-Nitrosodimethylamine	Ave	1.159	1.178		12.7	12.5	1.7	30.0
N,N-dimethylformamide	Ave	1.394	1.365			12.5	-2.0	30.0
2-Picoline	Ave	1.767	1.970		13.9	12.5	11.5	30.0
N-Nitrosomethylethylamine	Ave	0.7950	0.7737		12.2	12.5	-2.7	30.0
Methyl methanesulfonate	Ave	1.157	1.312		14.2	12.5	13.4	30.0
N-Nitrosodiethylamine	Ave	0.7083	0.7166		12.6	12.5	1.2	30.0
Ethyl methanesulfonate	Ave	0.7655	0.7822		12.8	12.5	2.2	30.0
Benzaldehyde	Ave	1.711	1.623	0.0100	11.9	12.5	-5.1	30.0
Phenol	Ave	1.951	2.099	0.8000	13.5	12.5	7.6	30.0
Aniline	Ave	2.688	2.710		12.6	12.5	0.8	30.0
Bis(2-chloroethyl)ether	Ave	1.673	1.752	0.7000	13.1	12.5	4.7	30.0
2-Chlorophenol	Ave	1.301	1.348	0.8000	12.9	12.5	3.6	30.0
1,3-Dichlorobenzene	Ave	1.505	1.538		12.8	12.5	2.2	30.0
1,4-Dichlorobenzene	Ave	1.611	1.577		12.2	12.5	-2.1	30.0
Benzyl alcohol	Ave	0.9702	1.001		12.9	12.5	3.1	30.0
1,2-Dichlorobenzene	Ave	1.490	1.551		13.0	12.5	4.1	30.0
2-Methylphenol	Ave	1.316	1.412	0.7000	13.4	12.5	7.3	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.034	2.103	0.0100	12.9	12.5	3.4	30.0
N-Nitrosopyrrolidine	Ave	0.8100	0.8677		13.4	12.5	7.1	30.0
3,4-Methylphenol	Ave	1.477	1.484	0.6000	12.6	12.5	0.5	30.0
Acetophenone	Ave	2.462	2.624	0.0100	13.3	12.5	6.6	30.0
N-Nitrosodi-n-propylamine	Ave	1.524	1.578	0.5000	12.9	12.5	3.5	30.0
N-Nitrosomorpholine	Ave	1.071	1.143		13.3	12.5	6.7	30.0
2-Toluidine	Ave	2.355	2.524		13.4	12.5	7.2	30.0
Hexachloroethane	Ave	0.7370	0.7472	0.3000	12.7	12.5	1.4	30.0
Nitrobenzene	Ave	0.6113	0.6503	0.2000	13.3	12.5	6.4	30.0
N-Nitrosopiperidine	Ave	0.1936	0.1933		12.5	12.5	-0.2	30.0
Isophorone	Ave	1.036	1.109	0.4000	13.4	12.5	7.0	30.0
2-Nitrophenol	Ave	0.1848	0.1975	0.1000	13.4	12.5	6.9	30.0
2,4-Dimethylphenol	Ave	0.4344	0.4977	0.2000	14.3	12.5	14.6	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1992	0.2243		14.1	12.5	12.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.6162	0.6566	0.3000	13.3	12.5	6.6	30.0
2,4-Dichlorophenol	Ave	0.3160	0.3595	0.2000	14.2	12.5	13.8	30.0
1,2,4-Trichlorobenzene	Ave	0.3951	0.4363		13.8	12.5	10.4	30.0
Naphthalene	Ave	1.062	1.118	0.7000	13.2	12.5	5.3	30.0
4-Chloroaniline	Ave	0.4418	0.4832	0.0100	13.7	12.5	9.4	30.0
2,6-Dichlorophenol	Ave	0.3148	0.3548		14.1	12.5	12.7	30.0
Hexachloropropene	Ave	0.3103	0.3699		14.9	12.5	19.2	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 04/14/2025 11:33

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/14/2025 14:11

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.3038	0.3361	0.0100	13.8	12.5	10.6	30.0
Quinoline	Ave	0.6930	0.7489		13.5	12.5	8.1	30.0
N-Nitrosodi-n-butylamine	Ave	0.4428	0.4896		13.8	12.5	10.6	30.0
Caprolactam	Ave	0.0907	0.0988	0.0100	13.6	12.5	8.9	30.0
4-Chloro-3-methylphenol	Ave	0.3920	0.4474	0.2000	14.3	12.5	14.1	30.0
Safrole, Total	Ave	0.2765	0.2895		13.1	12.5	4.7	30.0
2-Methylnaphthalene	Ave	0.6447	0.7551	0.4000	14.6	12.5	17.1	30.0
1-Methylnaphthalene	Ave	0.6815	0.7055		12.9	12.5	3.5	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7526	0.8000	0.0100	13.3	12.5	6.3	30.0
Isosafrole Peak 1	Ave	0.4748	0.6112		1.93	1.50	28.7	30.0
2,4,6-Trichlorophenol	Ave	0.4147	0.4635	0.2000	14.0	12.5	11.8	30.0
2,4,5-Trichlorophenol	Ave	0.4830	0.5317	0.2000	13.8	12.5	10.1	30.0
Isosafrole Peak 2	Ave	0.5292	0.5805		12.1	11.0	9.7	30.0
1,1'-Biphenyl	Ave	1.463	1.602	0.0100	13.7	12.5	9.5	30.0
2-Chloronaphthalene	Ave	1.137	1.235	0.8000	13.6	12.5	8.7	30.0
1-Chloronaphthalene	Ave	1.110	1.288		14.5	12.5	16.1	30.0
Diphenyl ether	Ave	0.8348	0.9259		13.9	12.5	10.9	30.0
2-Nitroaniline	Ave	0.3352	0.3865	0.0100	14.4	12.5	15.3	30.0
1,4-Naphthoquinone	Ave	0.4750	0.5101			12.5	7.4	30.0
1,4-Dinitrobenzene	Ave	0.1675	0.2053		15.3	12.5	22.6	30.0
Dimethyl phthalate	Ave	1.369	1.536	0.0100	14.0	12.5	12.2	30.0
1,3-Dinitrobenzene	Ave	0.1963	0.2212		14.1	12.5	12.7	30.0
2,6-Dinitrotoluene	Ave	0.2996	0.3528	0.2000	14.7	12.5	17.7	30.0
Acenaphthylene	Ave	1.741	1.978	0.9000	14.2	12.5	13.6	30.0
3-Nitroaniline	Ave	0.3013	0.3448	0.0100	14.3	12.5	14.4	30.0
Acenaphthene	Ave	1.202	1.372	0.9000	14.3	12.5	14.2	30.0
2,4-Dinitrophenol	Ave	0.1876	0.2197	0.0100	29.3	25.0	17.1	30.0
4-Nitrophenol	Ave	0.2520	0.3303	0.0100	32.8	25.0	31.1*	30.0
Pentachlorobenzene	Ave	0.6603	0.7574		14.3	12.5	14.7	30.0
2,4-Dinitrotoluene	Ave	0.4072	0.4634	0.2000	14.2	12.5	13.8	30.0
Dibenzofuran	Ave	1.711	1.880	0.8000	13.7	12.5	9.8	30.0
1-Naphthylamine	Ave	1.100	1.132		12.9	12.5	2.8	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.4397	0.4934	0.0100	14.0	12.5	12.2	30.0
2-Naphthylamine	Ave	1.063	1.234		14.5	12.5	16.2	30.0
Diethyl phthalate	Ave	1.407	1.529	0.0100	13.6	12.5	8.6	30.0
Thionazin	Ave	0.2399	0.2564		13.4	12.5	6.9	30.0
Fluorene	Ave	1.335	1.450	0.9000	13.6	12.5	8.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6930	0.7807	0.4000	14.1	12.5	12.7	30.0
5-Nitro-o-toluidine	Ave	0.3404	0.3643		13.4	12.5	7.0	30.0
4-Nitroaniline	Ave	0.2904	0.3584	0.0100	15.4	12.5	23.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 04/14/2025 11:33

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/14/2025 14:11

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,6-Dinitro-2-methylphenol	Ave	0.1432	0.1600	0.0100	27.9	25.0	11.7	30.0
N-Nitrosodiphenylamine	Ave	0.5606	0.6529	0.0100	12.4	10.6	16.5	30.0
1,2-Diphenylhydrazine	Ave	1.012	1.199		14.8	12.5	18.4	30.0
Sulfotepp	Ave	0.1654	0.1949		14.7	12.5	17.8	30.0
1,3,5-Trinitrobenzene	Ave	0.0603	0.0760			12.5	26.0	30.0
cis-Diallate	Ave	0.3903	0.4169		10.0	9.38	6.8	30.0
Phorate	Ave	0.6118	0.6616		13.5	12.5	8.1	30.0
Phenacetin	Ave	0.3613	0.4528		15.7	12.5	25.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2434	0.2842	0.1000	14.6	12.5	16.8	30.0
trans-Diallate	Ave	0.3910	0.4493		3.59	3.13	14.9	30.0
Hexachlorobenzene	Ave	0.3045	0.3520	0.1000	14.5	12.5	15.6	30.0
Dimethoate	Ave	0.3201	0.3450		13.5	12.5	7.8	30.0
Atrazine	Ave	0.1973	0.2152	0.0100	13.6	12.5	9.0	30.0
Pentachlorophenol	Ave	0.1757	0.2113	0.0500	30.1	25.0	20.2	30.0
4-Aminobiphenyl	Ave	0.7201	0.7353		12.8	12.5	2.1	30.0
Pentachloronitrobenzene	Ave	0.1395	0.1656		14.8	12.5	18.7	30.0
Pronamide	Ave	0.3167	0.3862		15.2	12.5	21.9	30.0
Dinoseb	Ave	0.1751	0.2205		15.7	12.5	25.9	30.0
Disulfoton	Ave	0.5490	0.5767		13.1	12.5	5.0	30.0
Phenanthrene	Ave	1.029	1.163	0.7000	14.1	12.5	13.1	30.0
Anthracene	Ave	1.029	1.203	0.7000	14.6	12.5	16.9	30.0
Carbazole	Ave	0.8838	1.054	0.0100	14.9	12.5	19.2	30.0
Methyl parathion	Ave	0.2461	0.3021		15.3	12.5	22.8	30.0
Di-n-butyl phthalate	Ave	1.076	1.394	0.0100	16.2	12.5	29.6	30.0
Parathion	Ave	0.1502	0.1857		15.5	12.5	23.7	30.0
4-Nitroquinoline-1-oxide	Ave	0.0839	0.0939			12.5	11.9	30.0
Octachlorostyrene	Ave	0.1173	0.1670		17.8	12.5	42.4*	30.0
Isodrin	Ave	0.1452	0.1566		13.5	12.5	7.9	30.0
Fluoranthene	Ave	1.155	1.316	0.6000	14.2	12.5	13.9	30.0
Pyrene	Ave	1.198	1.320	0.6000	13.8	12.5	10.2	30.0
p-Dimethylamino azobenzene	Ave	0.1563	0.2114		16.9	12.5	35.2*	30.0
Chlorobenzilate	Ave	0.3018	0.3986		16.5	12.5	32.0*	30.0
3,3'-Dimethylbenzidine	Ave	0.5141	0.6174			12.5	20.1	30.0
Butyl benzyl phthalate	Ave	0.4357	0.5439	0.0100	15.6	12.5	24.8	30.0
2-Acetylaminofluorene	Ave	0.3448	0.3880		14.1	12.5	12.6	30.0
3,3'-Dichlorobenzidine	Ave	0.4197	0.4501	0.0100	13.4	12.5	7.2	30.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1958	0.2331			12.5	19.1	30.0
Benzo[a]anthracene	Ave	1.046	1.202	0.8000	14.4	12.5	14.9	30.0
Chrysene	Ave	0.9880	1.098	0.7000	13.9	12.5	11.1	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-630243/12 Calibration Date: 04/14/2025 15:15

Instrument ID: HP23264 Calib Start Date: 04/14/2025 11:33

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 04/14/2025 14:11

Lab File ID: JD1412.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Bis(2-ethylhexyl) phthalate	Ave	0.6191	0.7428	0.0100	15.0	12.5	20.0	30.0
6-Methylchrysene	Ave	0.6583	0.7462		14.2	12.5	13.4	30.0
Di-n-octyl phthalate	Ave	1.166	1.379	0.0100	14.8	12.5	18.2	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4636	0.5418		14.6	12.5	16.9	30.0
Benzo[b]fluoranthene	Ave	1.202	1.321	0.7000	13.7	12.5	9.9	30.0
Benzo[k]fluoranthene	Ave	1.237	1.312	0.7000	13.3	12.5	6.1	30.0
Benzo[a]pyrene	Ave	1.138	1.237	0.7000	13.6	12.5	8.7	30.0
3-Methylcholanthrene	Ave	0.5437	0.5005		11.5	12.5	-8.0	30.0
Dibenz[a,h]acridine	Ave	0.8768	1.107		15.8	12.5	26.3	30.0
Dibenz[a,j]acridine	Ave	0.9819	1.133		14.4	12.5	15.4	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.143	1.250	0.5000	13.7	12.5	9.4	30.0
Dibenz(a,h)anthracene	Ave	1.087	1.260	0.4000	14.5	12.5	15.9	30.0
Benzo[g,h,i]perylene	Ave	1.168	1.308	0.5000	14.0	12.5	11.9	30.0
1,4-phenylenediamine	Ave	0.3958				12.5		
Benzidine	Ave	0.6662				12.5		
Famphur	Ave	0.0027				12.5		
Hexachlorocyclopentadiene	Ave	0.5965				12.5		
Pyridine	Ave	1.831				25.0		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 14-Apr-2025 15:15:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0143944-012
Operator ID: CJS101602 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 20:17:59 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: N5QU Date: 14-Apr-2025 20:17:59

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.779	1.780	-0.001	93	243765	12.5	12.8	
2	N-Nitrosodimethylamine	74	2.007	2.013	-0.006	92	447589	12.5	12.7	
3	Pyridine	79		2.054				ND	ND	U
4	Dimethylformamide	73	2.357	2.358	-0.001	94	518528	12.5	12.2	
5	2-Picoline	93	2.661	2.667	-0.006	90	748293	12.5	13.9	
6	N-Nitrosomethylethylamine	88	2.737	2.743	-0.006	95	293843	12.5	12.2	
7	Methyl methanesulfonate	80	3.017	3.017	0.000	87	498486	12.5	14.2	
11	N-Nitrosodiethylamine	102	3.397	3.403	-0.006	93	272174	12.5	12.6	
12	Ethyl methanesulfonate	109	3.689	3.689	0.000	94	297094	12.5	12.8	
13	Benzaldehyde	77	4.016	4.022	-0.006	91	616534	12.5	11.9	
16	Phenol	94	4.086	4.086	0.000	92	797385	12.5	13.5	
17	Aniline	93	4.115	4.121	-0.006	95	1029200	12.5	12.6	
18	Bis(2-chloroethyl)ether	93	4.179	4.179	0.000	92	665424	12.5	13.1	
19	2-Chlorophenol	128	4.232	4.238	-0.006	89	511788	12.5	12.9	
21	1,3-Dichlorobenzene	146	4.378	4.384	-0.006	91	584241	12.5	12.8	
* 22	1,4-Dichlorobenzene-d4	152	4.436	4.436	0.000	96	151922	5.00	5.00	
23	1,4-Dichlorobenzene	146	4.454	4.454	0.000	88	598764	12.5	12.2	
26	Benzyl alcohol	108	4.565	4.571	-0.006	86	380061	12.5	12.9	
27	1,2-Dichlorobenzene	146	4.594	4.600	-0.006	92	588954	12.5	13.0	
29	2-Methylphenol	108	4.670	4.676	-0.006	94	536262	12.5	13.4	
30	2,2'-oxybis[1-chloropropane]	45	4.693	4.699	-0.006	88	798598	12.5	12.9	
28	Indene	115	4.681	4.699	-0.018	86	1022590	12.5	12.7	
31	N-Nitrosopyrrolidine	100	4.798	4.804	-0.006	86	329540	12.5	13.4	
34	4-Methylphenol	108	4.822	4.822	0.000	55	563748	12.5	12.6	
32	Acetophenone	105	4.822	4.822	0.000	79	996571	12.5	13.3	
33	N-Nitrosodi-n-propylamine	70	4.822	4.827	-0.005	60	599173	12.5	12.9	
35	N-Nitrosomorpholine	56	4.839	4.845	-0.006	89	434229	12.5	13.3	
36	2-Toluidine	106	4.857	4.857	0.000	93	958786	12.5	13.4	
37	Hexachloroethane	117	4.921	4.927	-0.006	91	283799	12.5	12.7	
40	Nitrobenzene	77	4.985	4.985	0.000	85	865115	12.5	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
41 N-Nitrosopiperidine	114	5.131	5.131	0.000	81	257186	12.5	12.5	
42 Isophorone	82	5.213	5.219	-0.006	96	1474878	12.5	13.4	
43 2-Nitrophenol	139	5.289	5.295	-0.006	84	262680	12.5	13.4	
44 2,4-Dimethylphenol	107	5.330	5.335	-0.005	96	662033	12.5	14.3	
46 o,o',o''-Triethylphosphorothioat	198	5.400	5.400	0.000	89	298391	12.5	14.1	
48 Benzoic acid	105		5.423				ND	ND	U
47 Bis(2-chloroethoxy)methane	93	5.423	5.429	-0.006	97	873483	12.5	13.3	
49 2,4-Dichlorophenol	162	5.522	5.522	0.000	95	478302	12.5	14.2	
50 1,2,4-Trichlorobenzene	180	5.598	5.604	-0.006	92	580394	12.5	13.8	
* 52 Naphthalene-d8	136	5.657	5.657	0.000	100	532113	5.00	5.00	
53 Naphthalene	128	5.674	5.680	-0.006	98	1487398	12.5	13.2	
56 4-Chloroaniline	127	5.732	5.733	-0.001	91	642833	12.5	13.7	
57 2,6-Dichlorophenol	162	5.738	5.738	0.000	91	472040	12.5	14.1	
58 Hexachloropropene	213	5.762	5.762	0.000	97	492080	12.5	14.9	
59 Hexachlorobutadiene	225	5.797	5.797	0.000	93	447128	12.5	13.8	
61 Quinoline	129	5.995	6.001	-0.006	93	996288	12.5	13.5	
62 Caprolactam	113	6.059	6.060	-0.001	55	131455	12.5	13.6	
63 N-Nitrosodi-n-butylamine	84	6.054	6.060	-0.006	86	651359	12.5	13.8	
64 p-Phenylene diamine	108		6.071				12.5	ND	7
65 4-Chloro-3-methylphenol	107	6.200	6.200	0.000	90	595170	12.5	14.3	
66 Safrole, Total	162	6.258	6.264	-0.006	77	385070	12.5	13.1	
67 2-Methylnaphthalene	142	6.340	6.346	-0.006	90	1004444	12.5	14.6	
69 1-Methylnaphthalene	142	6.433	6.439	-0.006	91	938509	12.5	12.9	
71 Hexachlorocyclopentadiene	237		6.492				ND	ND	U
70 1,2,4,5-Tetrachlorobenzene	216	6.497	6.503	-0.006	97	644962	12.5	13.3	
72 Isosafrole Peak 1	162	6.538	6.544	-0.006	83	59130	1.50	1.93	
79 2,4,6-Trichlorophenol	196	6.608	6.614	-0.006	94	373719	12.5	14.0	
80 2,4,5-Trichlorophenol	196	6.643	6.649	-0.006	91	428708	12.5	13.8	
82 Isosafrole Peak 2	162	6.754	6.760	-0.006	82	411880	11.0	12.1	
83 1,1'-Biphenyl	154	6.789	6.789	0.000	96	1291920	12.5	13.7	
84 2-Chloronaphthalene	162	6.801	6.807	-0.006	90	995768	12.5	13.6	
85 1-Chloronaphthalene	162	6.824	6.830	-0.006	96	1038802	12.5	14.5	
86 Phenyl ether	170	6.889	6.895	-0.005	88	746487	12.5	13.9	
87 2-Nitroaniline	138	6.906	6.906	0.000	75	311608	12.5	14.4	
88 1,4-Naphthoquinone	158	6.976	6.982	-0.006	72	411269	12.5	13.4	
89 1,4-Dinitrobenzene	168	7.040	7.046	-0.006	84	165499	12.5	15.3	
90 Dimethyl phthalate	163	7.081	7.087	-0.006	96	1238400	12.5	14.0	
91 1,3-Dinitrobenzene	168	7.105	7.111	-0.006	79	178334	12.5	14.1	
92 2,6-Dinitrotoluene	165	7.140	7.140	0.000	87	284398	12.5	14.7	
93 Acenaphthylene	152	7.198	7.204	-0.006	99	1594648	12.5	14.2	
95 3-Nitroaniline	138	7.291	7.297	-0.006	86	278023	12.5	14.3	
* 96 Acenaphthene-d10	164	7.332	7.338	-0.006	95	322490	5.00	5.00	
97 Acenaphthene	153	7.362	7.367	-0.005	97	1105914	12.5	14.3	
98 2,4-Dinitrophenol	184	7.397	7.402	-0.005	80	354258	25.0	29.3	
100 4-Nitrophenol	109	7.461	7.467	-0.006	82	532607	25.0	32.8	
99 Pentachlorobenzene	250	7.484	7.490	-0.006	98	610607	12.5	14.3	
102 2,4-Dinitrotoluene	165	7.519	7.525	-0.006	83	373638	12.5	14.2	
101 Dibenzofuran	168	7.531	7.531	0.000	97	1515359	12.5	13.7	
104 1-Naphthylamine	143	7.607	7.607	0.000	96	912400	12.5	12.9	
105 2,3,4,6-Tetrachlorophenol	232	7.648	7.648	0.000	72	397788	12.5	14.0	
106 2-Naphthylamine	143	7.683	7.683	0.000	93	995264	12.5	14.5	
107 Diethyl phthalate	149	7.759	7.765	-0.006	96	1232557	12.5	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.835	7.840	-0.006	74	206713	12.5	13.4	
108 Fluorene	166	7.852	7.858	-0.006	91	1169365	12.5	13.6	
110 4-Chlorophenyl phenyl ether	204	7.858	7.864	-0.006	91	629431	12.5	14.1	
111 N-Nitro-o-toluidine	152	7.870	7.875	-0.005	83	293686	12.5	13.4	
112 4-Nitroaniline	138	7.875	7.881	-0.006	78	288928	12.5	15.4	
113 4,6-Dinitro-2-methylphenol	198	7.905	7.910	-0.005	75	476633	25.0	27.9	
114 N-Nitrosodiphenylamine	169	7.969	7.975	-0.006	66	826570	10.6	12.4	
115 1,2-Diphenylhydrazine	77	8.010	8.016	-0.006	98	1785054	12.5	14.8	
117 Sulfotepp	97	8.132	8.132	0.000	78	290301	12.5	14.7	
118 1,3,5-Trinitrobenzene	213	8.226	8.232	-0.006	81	113249	12.5	15.8	
120 cis-Diallate	86	8.249	8.255	-0.006	83	465659	9.38	10.0	
119 Phorate	75	8.261	8.261	0.000	94	985411	12.5	13.5	
121 Phenacetin	108	8.272	8.278	-0.006	89	674324	12.5	15.7	
122 4-Bromophenyl phenyl ether	248	8.325	8.331	-0.006	66	423231	12.5	14.6	
123 trans-Diallate	86	8.337	8.337	0.000	91	167276	3.13	3.59	
124 Hexachlorobenzene	284	8.372	8.378	-0.006	95	524243	12.5	14.5	
125 Dimethoate	87	8.418	8.424	-0.006	95	513860	12.5	13.5	
126 Atrazine	200	8.488	8.494	-0.006	89	320472	12.5	13.6	
127 Pentachlorophenol	266	8.564	8.570	-0.006	92	629268	25.0	30.1	
129 4-Aminobiphenyl	169	8.570	8.576	-0.006	90	1095051	12.5	12.8	
128 Pentachloronitrobenzene	237	8.576	8.582	-0.006	86	246579	12.5	14.8	
130 Pronamide	173	8.634	8.640	-0.006	90	575122	12.5	15.2	
* 131 Phenanthrene-d10	188	8.745	8.751	-0.006	97	595736	5.00	5.00	
133 Dinoseb	211	8.745	8.751	-0.006	84	328455	12.5	15.7	
134 Disulfoton	88	8.757	8.763	-0.006	97	858893	12.5	13.1	
132 Phenanthrene	178	8.769	8.775	-0.006	98	1732641	12.5	14.1	
135 Anthracene	178	8.815	8.821	-0.006	98	1791331	12.5	14.6	
136 Carbazole	167	8.973	8.979	-0.006	96	1569326	12.5	14.9	
137 Methyl parathion	109	9.113	9.119	-0.006	89	449966	12.5	15.3	
138 Di-n-butyl phthalate	149	9.323	9.324	-0.001	100	2076204	12.5	16.2	
139 Ethyl Parathion	109	9.487	9.493	-0.006	82	276590	12.5	15.5	
140 4-Nitroquinoline-1-oxide	190	9.510	9.516	-0.006	80	139907	12.5	14.0	
S 68 Diallate	86				0		12.5	13.6	
142 Octachlorostyrene	308	9.721	9.726	-0.005	87	248705	12.5	17.8	
143 Isodrin	193	9.761	9.761	0.000	91	233201	12.5	13.5	
144 Fluoranthene	202	9.902	9.907	-0.005	98	1960243	12.5	14.2	
145 Benzidine	184		10.048				ND	ND	U
* 146 Pyrene-d10 (IS)	212	10.100	10.106	-0.006	98	639717	5.00	5.00	
147 Pyrene	202	10.118	10.123	-0.005	98	2110431	12.5	13.8	
200 Aramite Peak 1	185		10.229				ND	ND	U
192 Aramite Peak 2	185		10.246				ND	ND	U
185 Aramite Peak 3	185		10.293				ND	ND	U
180 Aramite Peak 4	185		10.369				ND	ND	U
149 p-Dimethylamino azobenzene	225	10.421	10.427	-0.006	91	338078	12.5	16.9	
150 Chlorobenzilate	139	10.474	10.480	-0.006	87	637414	12.5	16.5	
151 Famphur	218		10.480				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.777	10.783	-0.006	99	987407	12.5	15.0	
153 Butyl benzyl phthalate	149	10.801	10.807	-0.006	94	869784	12.5	15.6	
155 2-Acetylaminofluorene	181	11.052	11.058	-0.006	92	620601	12.5	14.1	
S 94 Isosafrole	162				0		12.5	14.0	
157 3,3'-Dichlorobenzidine	252	11.390	11.396	-0.006	77	719828	12.5	13.4	
158 4,4'-Methylene bis(2-chloroani	231	11.402	11.402	0.000	96	372780	12.5	14.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.402	11.408	-0.006	98	1922475	12.5	14.4	
159 Chrysene	228	11.449	11.455	-0.006	96	1755914	12.5	13.9	
160 Bis(2-ethylhexyl) phthalate	149	11.490	11.496	-0.006	96	1187985	12.5	15.0	
S 103 Aramite, Total	185		11.583				12.5	ND	7
161 6-Methylchrysene	242	12.021	12.027	-0.006	98	1193433	12.5	14.2	
162 Di-n-octyl phthalate	149	12.360	12.366	-0.006	99	2003993	12.5	14.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.821	12.827	-0.006	73	787155	12.5	14.6	
164 Benzo[b]fluoranthene	252	12.821	12.827	-0.006	96	1918927	12.5	13.7	
165 Benzo[k]fluoranthene	252	12.862	12.868	-0.006	99	1906559	12.5	13.3	
166 Benzo[a]pyrene	252	13.282	13.294	-0.012	76	1796983	12.5	13.6	
* 167 Perylene-d12	264	13.364	13.370	-0.006	100	581169	5.00	5.00	
168 3-Methylcholanthrene	268	13.808	13.814	-0.006	89	727128	12.5	11.5	
169 Dibenz[a,h]acridine	279	14.596	14.602	-0.006	90	1608494	12.5	15.8	
170 Dibenz[a,j]acridine	279	14.666	14.672	-0.006	96	1646541	12.5	14.4	
171 Indeno[1,2,3-cd]pyrene	276	14.900	14.906	-0.006	98	1816276	12.5	13.7	
172 Dibenz(a,h)anthracene	278	14.941	14.947	-0.006	93	1830884	12.5	14.5	
173 Benzo[g,h,i]perylene	276	15.273	15.279	-0.006	98	1899773	12.5	14.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00036 Amount Added: 1.00 Units: mL

Report Date: 14-Apr-2025 20:18:22 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D

Injection Date: 14-Apr-2025 15:15:30 Instrument ID: HP23264 Operator ID: CJS101602

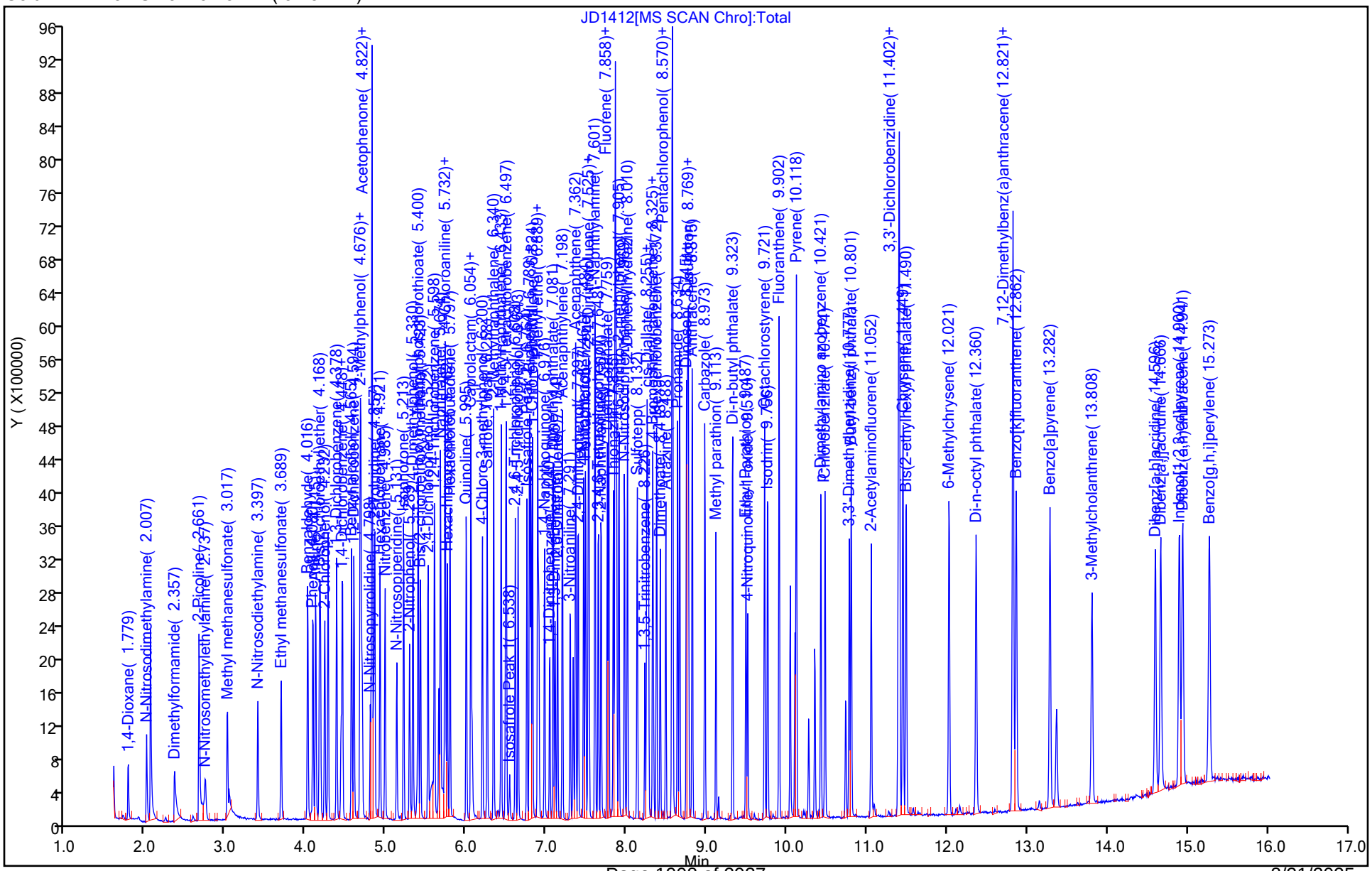
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



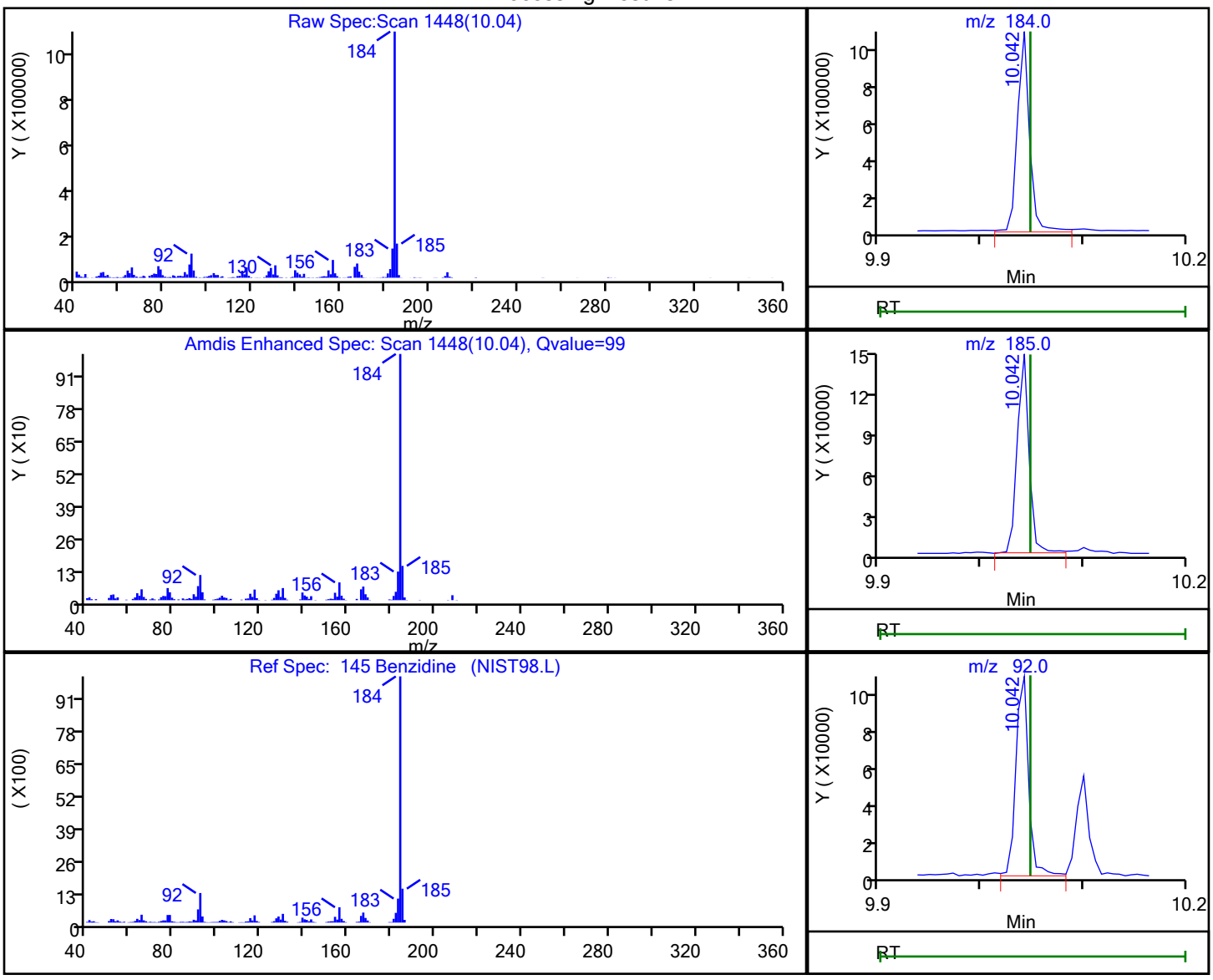
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

145 Benzidine, CAS: 92-87-5

Processing Results



RT	Mass	Response	Amount
10.04	184.00	827481	9.708559
10.04	185.00	114857	
10.04	92.00	86527	

Reviewer: N5QU, 14-Apr-2025 18:42:37 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

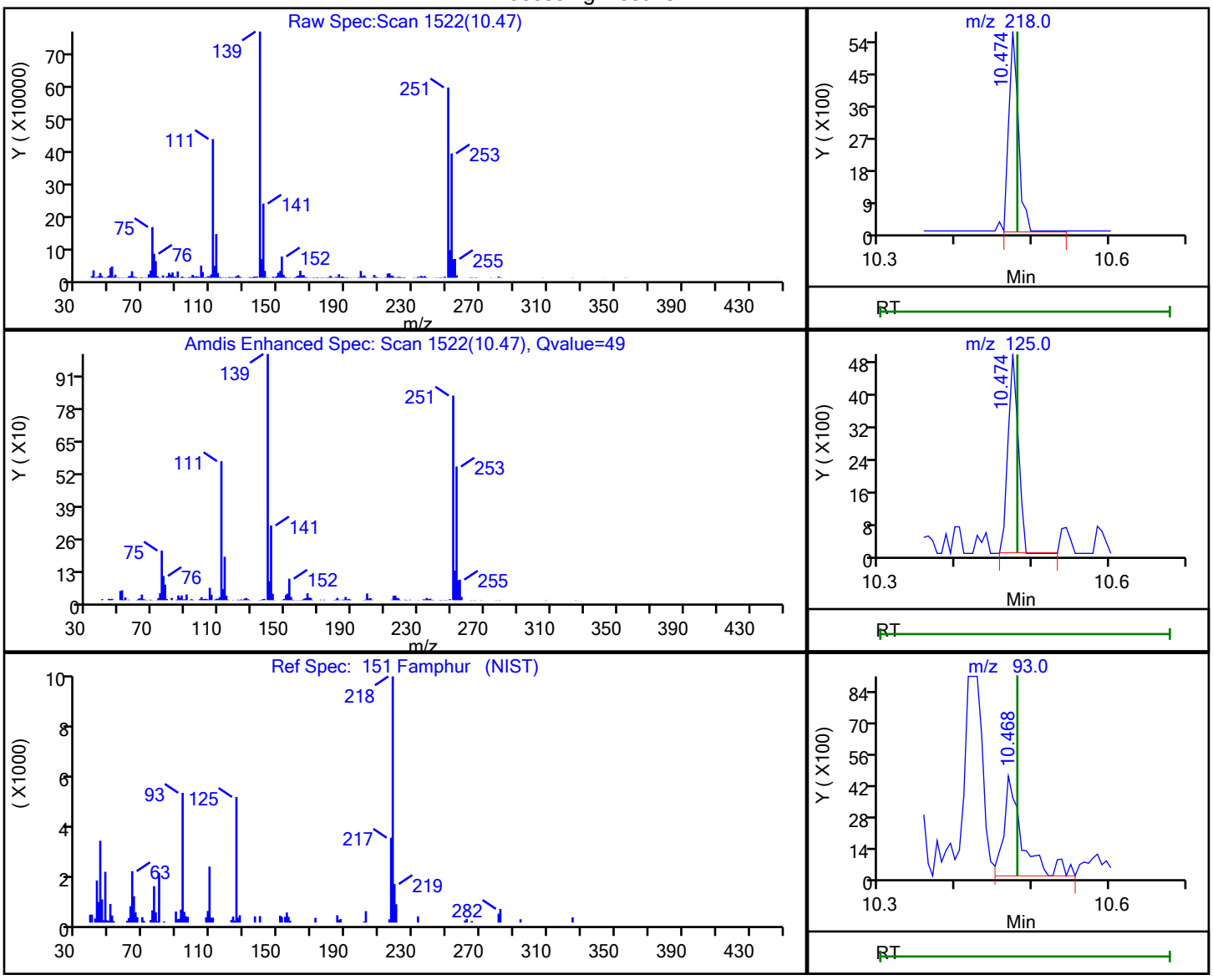
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.47	218.00	4864	14.263283
10.47	125.00	4633	
10.47	93.00	7531	

Reviewer: N5QU, 14-Apr-2025 18:46:41 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

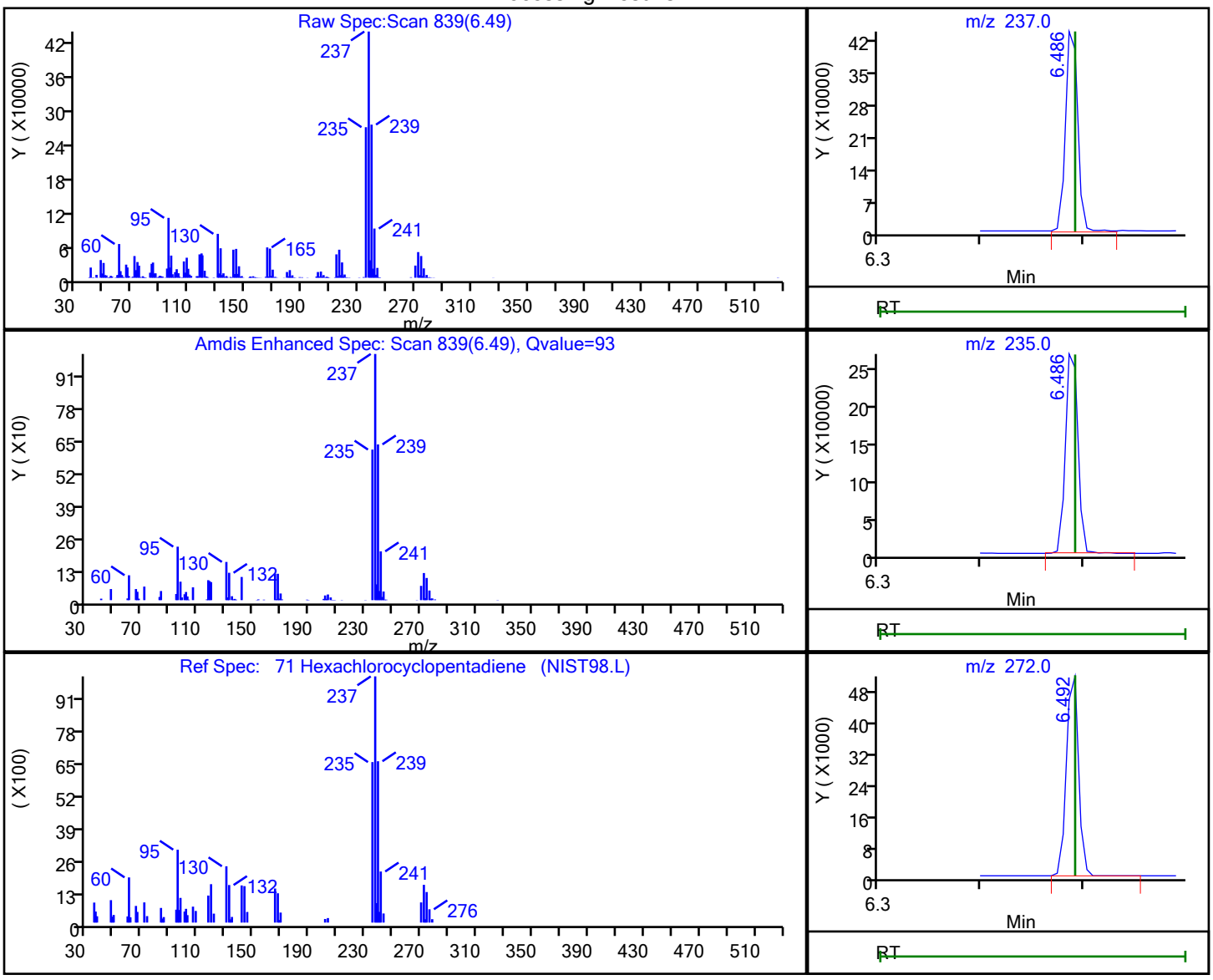
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

71 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.49	237.00	362495	9.421801
6.49	235.00	228841	
6.49	272.00	42758	

Reviewer: N5QU, 14-Apr-2025 18:41:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

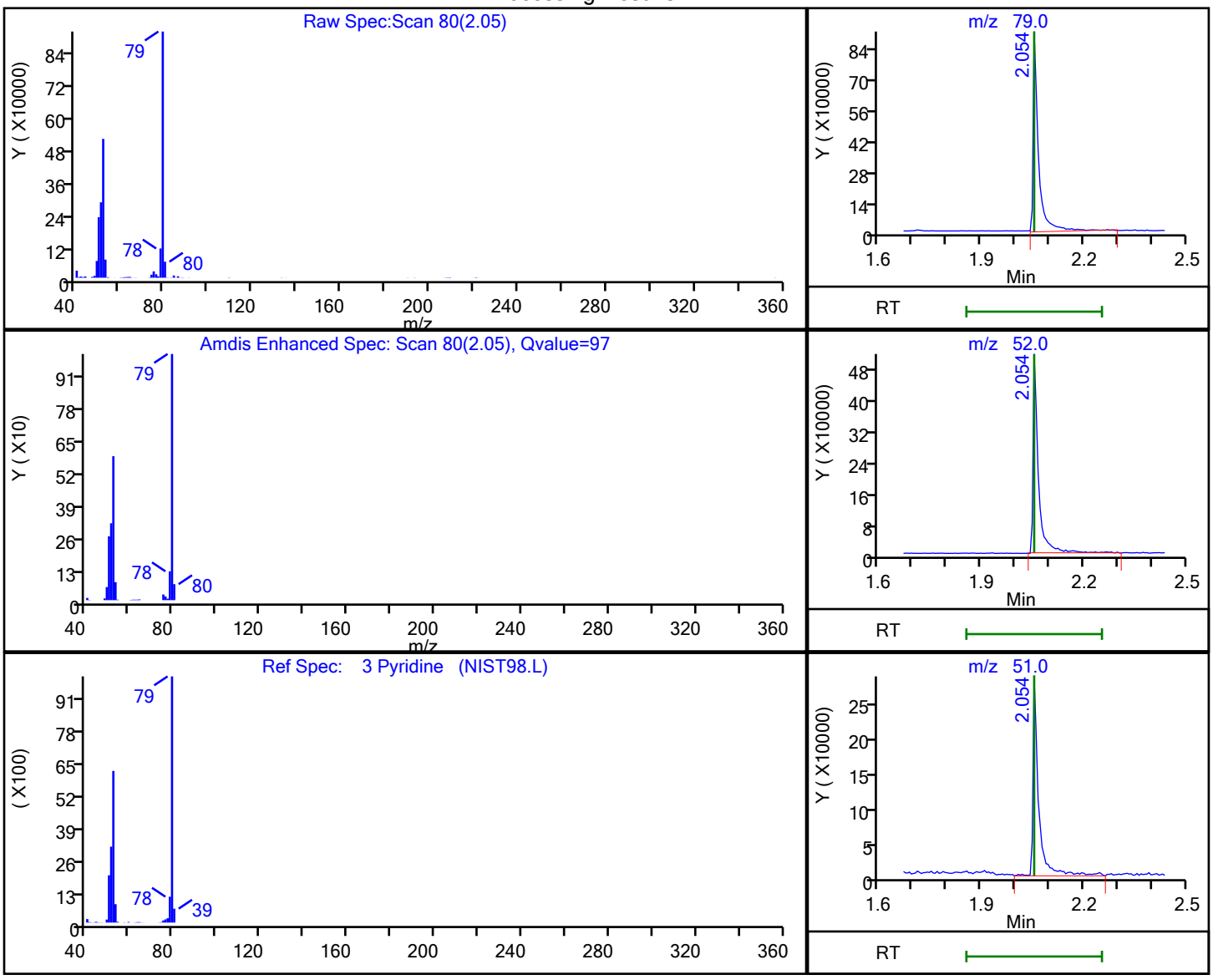
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1412.D				
Injection Date:	14-Apr-2025 15:15:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

3 Pyridine, CAS: 110-86-1

Processing Results



RT	Mass	Response	Amount
2.05	79.00	1006715	18.093742
2.05	52.00	584584	
2.05	51.00	327192	

Reviewer: N5QU, 14-Apr-2025 20:17:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 03/11/2025 21:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/11/2025 23:27

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.3569				12.5		
Indene	Ave	2.650				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
48 Benzoic acid	105		5.359				12.5	ND	7
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
64 p-Phenylene diamine	108		5.975				ND	ND	U
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
* 96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroani	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date: 08-May-2025 03:22:30 Instrument ID: HP23264 Operator ID: IR93211

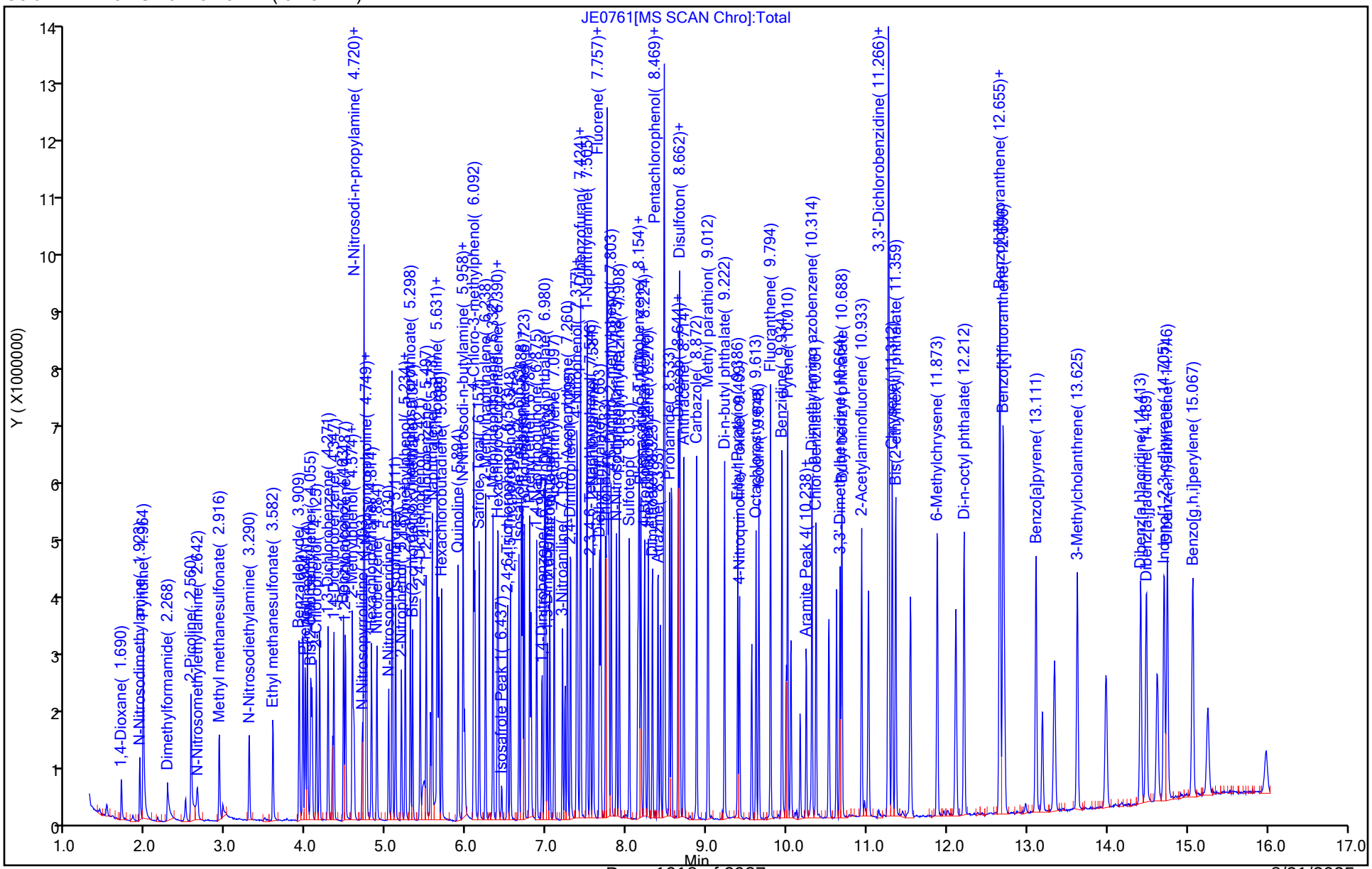
Lims ID: ICV FULL Worklist Smp#: 12

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 03/13/2025 09:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/13/2025 09:15

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0478	0.8984		23.5	1.25	1779.9*	30.0
Aramite Peak 2	Ave	0.0394	0.8984		28.5	1.25	2177.6*	30.0
Aramite Peak 3	Ave	0.1103	0.2246		10.2	5.00	103.5*	30.0
Aramite Peak 4	Ave	0.1215	0.2246		9.24	5.00	84.9*	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
48 Benzoic acid	105		5.359				12.5	ND	7
49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
* 52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
64 p-Phenylene diamine	108		5.975				ND	ND	U
65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
* 96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroani	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

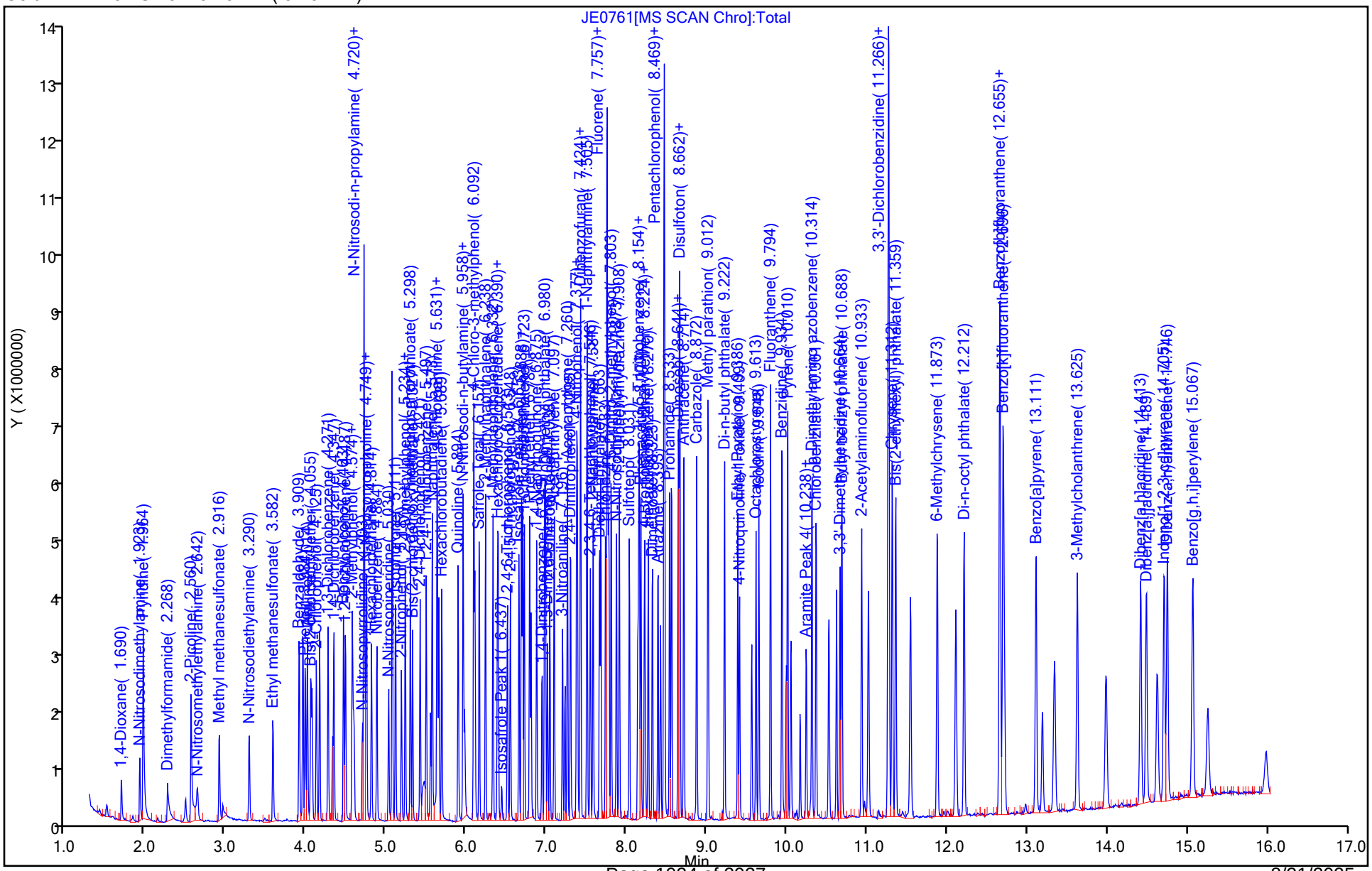
Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-641051/12
Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264
Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)
Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D
Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7420	0.6524		11.0	12.5	-12.1	30.0
N-Nitrosodimethylamine	Ave	1.219	1.144		11.7	12.5	-6.1	30.0
Pyridine	Ave	1.992	1.813		22.7	25.0	-9.0	30.0
N,N-dimethylformamide	Ave	1.356	1.265			12.5	-6.7	30.0
2-Picoline	Ave	1.819	1.776		12.2	12.5	-2.3	30.0
N-Nitrosomethylethylamine	Ave	0.8163	0.8042		12.3	12.5	-1.5	30.0
Methyl methanesulfonate	Ave	1.291	1.472		14.3	12.5	14.0	30.0
N-Nitrosodiethylamine	Ave	0.7332	0.8011		13.7	12.5	9.3	30.0
Ethyl methanesulfonate	Ave	0.7822	0.7846		12.5	12.5	0.3	30.0
Benzaldehyde	Ave	1.744	1.713	0.0100	12.3	12.5	-1.8	30.0
Phenol	Ave	2.334	2.362	0.8000	12.6	12.5	1.2	30.0
Aniline	Ave	2.579	2.584		12.5	12.5	0.2	30.0
Bis(2-chloroethyl)ether	Ave	1.702	1.500	0.7000	11.0	12.5	-11.9	30.0
2-Chlorophenol	Ave	1.352	1.330	0.8000	12.3	12.5	-1.6	30.0
1,3-Dichlorobenzene	Ave	1.517	1.507		12.4	12.5	-0.7	30.0
1,4-Dichlorobenzene	Ave	1.602	1.483		11.6	12.5	-7.4	30.0
Benzyl alcohol	Ave	1.092	1.056		12.1	12.5	-3.3	30.0
1,2-Dichlorobenzene	Ave	1.467	1.434		12.2	12.5	-2.2	30.0
2-Methylphenol	Ave	1.487	1.497	0.7000	12.6	12.5	0.7	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.942	1.628	0.0100	10.5	12.5	-16.1	30.0
N-Nitrosopyrrolidine	Ave	0.8930	0.9486		13.3	12.5	6.2	30.0
Acetophenone	Ave	2.610	2.671	0.0100	12.8	12.5	2.3	30.0
N-Nitrosodi-n-propylamine	Ave	1.585	1.577	0.5000	12.4	12.5	-0.5	30.0
3,4-Methylphenol	Ave	1.674	1.780	0.6000	13.3	12.5	6.3	30.0
N-Nitrosomorpholine	Ave	1.197	1.260		13.2	12.5	5.2	30.0
2-Toluidine	Ave	2.518	2.670		13.3	12.5	6.1	30.0
Hexachloroethane	Ave	0.7888	0.7094	0.3000	11.2	12.5	-10.1	30.0
Nitrobenzene	Ave	0.6122	0.5720	0.2000	11.7	12.5	-6.6	30.0
N-Nitrosopiperidine	Ave	0.1987	0.1874		11.8	12.5	-5.7	30.0
Isophorone	Ave	1.069	0.9310	0.4000	10.9	12.5	-12.9	30.0
2-Nitrophenol	Ave	0.2045	0.1840	0.1000	11.2	12.5	-10.0	30.0
2,4-Dimethylphenol	Ave	0.4757	0.4581	0.2000	12.0	12.5	-3.7	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1757	0.1739		12.4	12.5	-1.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.5484	0.5146	0.3000	11.7	12.5	-6.2	30.0
2,4-Dichlorophenol	Ave	0.3007	0.2987	0.2000	12.4	12.5	-0.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3467	0.3347		12.1	12.5	-3.4	30.0
Naphthalene	Ave	1.067	0.9947	0.7000	11.7	12.5	-6.8	30.0
4-Chloroaniline	Ave	0.4509	0.4391	0.0100	12.2	12.5	-2.6	30.0
2,6-Dichlorophenol	Ave	0.3075	0.2939		11.9	12.5	-4.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.2840	0.2874		12.6	12.5	1.2	30.0
Hexachlorobutadiene	Ave	0.2272	0.2197	0.0100	12.1	12.5	-3.3	30.0
Quinoline	Ave	0.6737	0.6949		12.9	12.5	3.1	30.0
N-Nitrosodi-n-butylamine	Ave	0.4859	0.4486		11.5	12.5	-7.7	30.0
Caprolactam	Ave	0.1114	0.1087	0.0100	12.2	12.5	-2.4	30.0
4-Chloro-3-methylphenol	Ave	0.4245	0.3913	0.2000	11.5	12.5	-7.8	30.0
Safrole, Total	Ave	0.2766	0.2688		12.1	12.5	-2.8	30.0
2-Methylnaphthalene	Ave	0.6217	0.6568	0.4000	13.2	12.5	5.7	30.0
1-Methylnaphthalene	Ave	0.6389	0.6037		11.8	12.5	-5.5	30.0
Hexachlorocyclopentadiene	Ave	0.5467	0.5124	0.0500	11.7	12.5	-6.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6345	0.6484	0.0100	12.8	12.5	2.2	30.0
Isosafrole Peak 1	Ave	0.5028	0.5570		1.66	1.50	10.8	30.0
2,4,6-Trichlorophenol	Ave	0.3888	0.4029	0.2000	13.0	12.5	3.6	30.0
2,4,5-Trichlorophenol	Ave	0.4485	0.4720	0.2000	13.2	12.5	5.2	30.0
Isosafrole Peak 2	Ave	0.5720	0.6362		12.2	11.0	11.2	30.0
1,1'-Biphenyl	Ave	1.599	1.552	0.0100	12.1	12.5	-2.9	30.0
2-Chloronaphthalene	Ave	1.145	1.251	0.8000	13.7	12.5	9.2	30.0
1-Chloronaphthalene	Ave	1.082	1.240		14.3	12.5	14.6	30.0
Diphenyl ether	Ave	0.8216	0.7932		12.1	12.5	-3.5	30.0
2-Nitroaniline	Ave	0.4130	0.4364	0.0100	13.2	12.5	5.7	30.0
1,4-Naphthoquinone	Ave	0.4880	0.5754			12.5	17.9	30.0
1,4-Dinitrobenzene	Ave	0.1745	0.2030		14.5	12.5	16.3	30.0
Dimethyl phthalate	Ave	1.478	1.530	0.0100	12.9	12.5	3.5	30.0
1,3-Dinitrobenzene	Ave	0.2105	0.2184		13.0	12.5	3.8	30.0
2,6-Dinitrotoluene	Ave	0.3007	0.3414	0.2000	14.2	12.5	13.5	30.0
Acenaphthylene	Ave	1.824	1.970	0.9000	13.5	12.5	8.0	30.0
3-Nitroaniline	Ave	0.3426	0.3866	0.0100	14.1	12.5	12.8	30.0
Acenaphthene	Ave	1.286	1.270	0.9000	12.3	12.5	-1.2	30.0
2,4-Dinitrophenol	Ave	0.2033	0.2256	0.0100	27.8	25.0	11.0	30.0
4-Nitrophenol	Ave	0.3560	0.4233	0.0100	29.7	25.0	18.9	30.0
Pentachlorobenzene	Ave	0.5668	0.6132		13.5	12.5	8.2	30.0
2,4-Dinitrotoluene	Ave	0.4298	0.4693	0.2000	13.6	12.5	9.2	30.0
Dibenzofuran	Ave	1.679	1.773	0.8000	13.2	12.5	5.6	30.0
1-Naphthylamine	Ave	1.152	1.223		13.3	12.5	6.1	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.4031	0.4185	0.0100	13.0	12.5	3.8	30.0
2-Naphthylamine	Ave	1.216	1.389		14.3	12.5	14.2	30.0
Diethyl phthalate	Ave	1.530	1.613	0.0100	13.2	12.5	5.5	30.0
Thionazin	Ave	0.2720	0.3011		13.8	12.5	10.7	30.0
Fluorene	Ave	1.390	1.413	0.9000	12.7	12.5	1.7	30.0
4-Chlorophenyl phenyl ether	Ave	0.6546	0.6770	0.4000	12.9	12.5	3.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
5-Nitro-o-toluidine	Ave	0.3857	0.4148		13.4	12.5	7.6	30.0
4-Nitroaniline	Ave	0.3505	0.3921	0.0100	14.0	12.5	11.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1415	0.1430	0.0100	25.3	25.0	1.1	30.0
N-Nitrosodiphenylamine	Ave	0.5862	0.5869	0.0100	10.6	10.6	0.1	30.0
1,2-Diphenylhydrazine	Ave	1.153	1.132		12.3	12.5	-1.8	30.0
Sulfotepp	Ave	0.2080	0.2163		13.0	12.5	4.0	30.0
1,3,5-Trinitrobenzene	Ave	0.0645	0.0762			12.5	18.2	30.0
cis-Diallate	Ave	0.3827	0.4058		9.94	9.38	6.0	30.0
Phorate	Ave	0.7811	0.6548		10.5	12.5	-16.2	30.0
Phenacetin	Ave	0.5081	0.5513		13.6	12.5	8.5	30.0
4-Bromophenyl phenyl ether	Ave	0.2100	0.2262	0.1000	13.5	12.5	7.7	30.0
trans-Diallate	Ave	0.4267	0.4201		3.08	3.13	-1.5	30.0
Hexachlorobenzene	Ave	0.2704	0.2629	0.1000	12.2	12.5	-2.8	30.0
Dimethoate	Ave	0.3958	0.4058		12.8	12.5	2.5	30.0
Atrazine	Ave	0.2288	0.2187	0.0100	12.0	12.5	-4.4	30.0
Pentachlorophenol	Ave	0.1771	0.1770	0.0500	25.0	25.0	-0.0	30.0
4-Aminobiphenyl	Ave	0.8269	0.8411		12.7	12.5	1.7	30.0
Pentachloronitrobenzene	Ave	0.1424	0.1562		13.7	12.5	9.8	30.0
Pronamide	Ave	0.3678	0.3801		12.9	12.5	3.3	30.0
Dinoseb	Ave	0.1791	0.2031		14.2	12.5	13.4	30.0
Disulfoton	Ave	0.6143	0.6200			12.5	0.9	30.0
Phenanthrene	Ave	1.109	1.099	0.7000	12.4	12.5	-0.9	30.0
Anthracene	Ave	1.114	1.135	0.7000	12.7	12.5	1.9	30.0
Carbazole	Ave	0.9870	1.026	0.0100	13.0	12.5	3.9	30.0
Methyl parathion	Ave	0.3187	0.3759		14.7	12.5	18.0	30.0
Di-n-butyl phthalate	Ave	1.344	1.412	0.0100	13.1	12.5	5.1	30.0
Parathion	Ave	0.2047	0.2306		14.1	12.5	12.7	30.0
4-Nitroquinoline-1-oxide	Ave	0.1016	0.1200			12.5	18.0	30.0
Octachlorostyrene	Ave	0.1278	0.1232		12.0	12.5	-3.6	30.0
Isodrin	Lin2		0.1455		13.1	12.5	5.1	30.0
Fluoranthene	Ave	1.210	1.275	0.6000	13.2	12.5	5.4	30.0
Benzidine	Ave	0.8016	1.061		16.5	12.5	32.3*	30.0
Pyrene	Ave	1.266	1.250	0.6000	12.3	12.5	-1.3	30.0
p-Dimethylamino azobenzene	Ave	0.1840	0.2107		14.3	12.5	14.5	30.0
Chlorobenzilate	Ave	0.4301	0.4832		14.0	12.5	12.3	30.0
3,3'-Dimethylbenzidine	Ave	0.5992	0.6499			12.5	8.5	30.0
Butyl benzyl phthalate	Ave	0.5937	0.6097	0.0100	12.8	12.5	2.7	30.0
2-Acetylaminofluorene	Ave	0.4388	0.4912		14.0	12.5	11.9	30.0
3,3'-Dichlorobenzidine	Ave	0.4733	0.6670	0.0100	17.6	12.5	40.9*	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-641051/12 Calibration Date: 05/08/2025 03:22

Instrument ID: HP23264 Calib Start Date: 05/07/2025 23:49

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 05/08/2025 02:18

Lab File ID: JE0761.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,4'-Methylene bis(2-chloroaniline)	Ave	0.2316	0.2475			12.5	6.9	30.0
Benzo[a]anthracene	Ave	1.133	1.166	0.8000	12.9	12.5	2.9	30.0
Chrysene	Ave	1.059	1.074	0.7000	12.7	12.5	1.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.8292	0.8630	0.0100	13.0	12.5	4.1	30.0
6-Methylchrysene	Ave	0.7234	0.7815		13.5	12.5	8.0	30.0
Di-n-octyl phthalate	Ave	1.408	1.489	0.0100	13.2	12.5	5.8	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4444	0.4927		13.9	12.5	10.9	30.0
Benzo[b]fluoranthene	Ave	1.165	1.189	0.7000	12.8	12.5	2.1	30.0
Benzo[k]fluoranthene	Ave	1.179	1.148	0.7000	12.2	12.5	-2.6	30.0
Benzo[a]pyrene	Ave	1.208	1.128	0.7000	11.7	12.5	-6.6	30.0
3-Methylcholanthrene	Ave	0.5373	0.5469		12.7	12.5	1.8	30.0
Dibenz[a,h]acridine	Ave	0.8496	1.025		15.1	12.5	20.6	30.0
Dibenz[a,j]acridine	Ave	0.9747	0.9848		12.6	12.5	1.0	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.138	1.061	0.5000	11.7	12.5	-6.8	30.0
Dibenz(a,h)anthracene	Ave	1.082	1.093	0.4000	12.6	12.5	1.0	30.0
Benzo[g,h,i]perylene	Ave	1.111	1.152	0.5000	13.0	12.5	3.7	30.0
1,4-phenylenediamine	Lin2					12.5	-100.0*	30.0
Famphur	Ave	0.4310				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 08-May-2025 03:22:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0146504-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:33:32 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: W6ZA Date: 08-May-2025 07:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.696	1.695	0.001	92	254807	12.5	11.0	
2 N-Nitrosodimethylamine	74	1.923	1.929	-0.006	91	446744	12.5	11.7	
3 Pyridine	79	1.964	1.970	-0.006	96	1415793	25.0	22.7	
4 Dimethylformamide	73	2.268	2.291	-0.023	94	494036	12.5	11.7	
5 2-Picoline	93	2.560	2.565	-0.005	89	693658	12.5	12.2	
6 N-Nitrosomethylethylamine	88	2.642	2.641	0.001	94	314101	12.5	12.3	
7 Methyl methanesulfonate	80	2.916	2.916	0.000	89	574814	12.5	14.3	
11 N-Nitrosodiethylamine	102	3.290	3.290	0.000	93	312873	12.5	13.7	
12 Ethyl methanesulfonate	109	3.582	3.587	-0.005	94	306447	12.5	12.5	
13 Benzaldehyde	77	3.909	3.914	-0.005	88	668917	12.5	12.3	
16 Phenol	94	3.984	3.990	-0.006	90	922325	12.5	12.6	
17 Aniline	93	4.014	4.014	0.000	94	1009401	12.5	12.5	
18 Bis(2-chloroethyl)ether	93	4.072	4.072	0.000	91	585919	12.5	11.0	
19 2-Chlorophenol	128	4.125	4.124	0.001	89	519425	12.5	12.3	
21 1,3-Dichlorobenzene	146	4.271	4.270	0.001	90	588427	12.5	12.4	
* 22 1,4-Dichlorobenzene-d4	152	4.329	4.329	0.000	93	156224	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.347	4.346	0.000	87	579161	12.5	11.6	
26 Benzyl alcohol	108	4.463	4.463	0.000	85	412407	12.5	12.1	
27 1,2-Dichlorobenzene	146	4.487	4.492	-0.005	89	560214	12.5	12.2	
29 2-Methylphenol	108	4.574	4.574	0.000	95	584714	12.5	12.6	
30 2,2'-oxybis[1-chloropropane]	45	4.592	4.592	0.000	83	635858	12.5	10.5	
28 Indene	115		4.617				ND	ND	
31 N-Nitrosopyrrolidine	100	4.703	4.697	0.006	89	370466	12.5	13.3	
32 Acetophenone	105	4.720	4.720	0.000	82	1043214	12.5	12.8	
33 N-Nitrosodi-n-propylamine	70	4.720	4.720	0.000	67	616009	12.5	12.4	
34 4-Methylphenol	108	4.726	4.726	0.000	88	695133	12.5	13.3	
35 N-Nitrosomorpholine	56	4.738	4.738	0.000	83	492054	12.5	13.2	
36 2-Toluidine	106	4.749	4.755	-0.006	94	1042850	12.5	13.3	
37 Hexachloroethane	117	4.814	4.814	0.000	91	277082	12.5	11.2	
40 Nitrobenzene	77	4.884	4.884	0.000	87	904234	12.5	11.7	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	5.030	5.030	0.000	79	296212	12.5	11.8	
	42 Isophorone	82	5.111	5.111	0.000	95	1471796	12.5	10.9	
	43 2-Nitrophenol	139	5.187	5.187	0.000	79	290842	12.5	11.2	
	44 2,4-Dimethylphenol	107	5.234	5.234	0.000	96	724139	12.5	12.0	
	46 o,o',o''-Triethylphosphorothioat	198	5.298	5.298	0.000	88	274892	12.5	12.4	
	47 Bis(2-chloroethoxy)methane	93	5.327	5.327	0.000	95	813459	12.5	11.7	
	48 Benzoic acid	105		5.359				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.421	5.421	0.000	94	472177	12.5	12.4	
	50 1,2,4-Trichlorobenzene	180	5.497	5.497	0.000	90	529145	12.5	12.1	
*	52 Naphthalene-d8	136	5.549	5.549	0.000	99	632334	5.00	5.00	
	53 Naphthalene	128	5.573	5.573	0.000	99	1572383	12.5	11.7	
	56 4-Chloroaniline	127	5.631	5.631	0.000	91	694100	12.5	12.2	
	57 2,6-Dichlorophenol	162	5.637	5.637	0.000	89	464676	12.5	11.9	
	58 Hexachloropropene	213	5.654	5.654	0.000	96	454401	12.5	12.6	
	59 Hexachlorobutadiene	225	5.689	5.695	-0.006	94	347361	12.5	12.1	
	61 Quinoline	129	5.894	5.894	0.000	92	1098590	12.5	12.9	
	63 N-Nitrosodi-n-butylamine	84	5.958	5.958	0.000	89	709172	12.5	11.5	
	62 Caprolactam	113	5.964	5.958	0.006	73	171845	12.5	12.2	
	64 p-Phenylene diamine	108		5.975				ND	ND	U
	65 4-Chloro-3-methylphenol	107	6.104	6.104	0.000	88	618650	12.5	11.5	
	66 Safrole, Total	162	6.157	6.162	-0.005	72	424859	12.5	12.1	
	67 2-Methylnaphthalene	142	6.238	6.238	0.000	88	1038356	12.5	13.2	
	69 1-Methylnaphthalene	142	6.332	6.332	0.000	89	954390	12.5	11.8	
	71 Hexachlorocyclopentadiene	237	6.384	6.384	0.000	96	441379	12.5	11.7	
	70 1,2,4,5-Tetrachlorobenzene	216	6.396	6.396	0.000	97	558567	12.5	12.8	
	72 Isosafrole Peak 1	162	6.437	6.443	-0.006	70	57582	1.50	1.66	
	79 2,4,6-Trichlorophenol	196	6.513	6.513	0.000	90	347042	12.5	13.0	
	80 2,4,5-Trichlorophenol	196	6.548	6.548	0.000	88	406599	12.5	13.2	
	82 Isosafrole Peak 2	162	6.653	6.653	0.000	78	482321	11.0	12.2	
	83 1,1'-Biphenyl	154	6.688	6.688	0.000	97	1337388	12.5	12.1	
	84 2-Chloronaphthalene	162	6.700	6.700	0.000	96	1077506	12.5	13.7	
	85 1-Chloronaphthalene	162	6.723	6.723	0.000	96	1068113	12.5	14.3	
	86 Phenyl ether	170	6.787	6.787	0.000	83	683319	12.5	12.1	
	87 2-Nitroaniline	138	6.805	6.805	0.000	73	375955	12.5	13.2	
	88 1,4-Naphthoquinone	158	6.875	6.875	0.000	69	495646	12.5	14.7	
	89 1,4-Dinitrobenzene	168	6.945	6.945	0.000	84	174843	12.5	14.5	
	90 Dimethyl phthalate	163	6.986	6.986	0.000	94	1317887	12.5	12.9	
	91 1,3-Dinitrobenzene	168	7.009	7.009	0.000	75	188166	12.5	13.0	
	92 2,6-Dinitrotoluene	165	7.038	7.038	0.000	77	294092	12.5	14.2	
	93 Acenaphthylene	152	7.097	7.097	0.000	99	1696662	12.5	13.5	
	95 3-Nitroaniline	138	7.196	7.196	0.000	81	333036	12.5	14.1	
*	96 Acenaphthene-d10	164	7.231	7.225	0.006	94	344580	5.00	5.00	
	97 Acenaphthene	153	7.260	7.260	0.000	97	1094191	12.5	12.3	
	98 2,4-Dinitrophenol	184	7.301	7.295	0.006	75	388713	25.0	27.8	
	100 4-Nitrophenol	109	7.377	7.371	0.006	80	729313	25.0	29.7	
	99 Pentachlorobenzene	250	7.383	7.383	0.000	95	528274	12.5	13.5	
	102 2,4-Dinitrotoluene	165	7.424	7.424	0.000	76	404321	12.5	13.6	
	101 Dibenzofuran	168	7.424	7.424	0.000	93	1527130	12.5	13.2	
	104 1-Naphthylamine	143	7.505	7.505	0.000	94	1053753	12.5	13.3	
	105 2,3,4,6-Tetrachlorophenol	232	7.546	7.546	0.000	77	360517	12.5	13.0	
	106 2-Naphthylamine	143	7.581	7.581	0.000	93	1196212	12.5	14.3	
	107 Diethyl phthalate	149	7.663	7.657	0.006	95	1389548	12.5	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
109 Thionazin	107	7.733	7.733	0.000	74	259354	12.5	13.8	
108 Fluorene	166	7.751	7.751	0.000	94	1217628	12.5	12.7	
110 4-Chlorophenyl phenyl ether	204	7.757	7.756	0.000	92	583200	12.5	12.9	
111 N-Nitro-o-toluidine	152	7.768	7.768	0.000	82	357331	12.5	13.4	
112 4-Nitroaniline	138	7.780	7.774	0.006	71	337755	12.5	14.0	
113 4,6-Dinitro-2-methylphenol	198	7.809	7.803	0.006	65	495452	25.0	25.3	
114 N-Nitrosodiphenylamine	169	7.873	7.873	0.000	65	864142	10.6	10.6	
115 1,2-Diphenylhydrazine	77	7.908	7.908	0.000	99	1960932	12.5	12.3	
117 Sulfotepp	97	8.031	8.031	0.000	77	374713	12.5	13.0	
118 1,3,5-Trinitrobenzene	213	8.136	8.136	0.000	80	132023	12.5	14.8	
120 cis-Diallate	86	8.148	8.148	0.000	85	527224	9.38	9.94	
119 Phorate	75	8.159	8.159	0.000	92	1134193	12.5	10.5	
121 Phenacetin	108	8.177	8.171	0.006	87	954935	12.5	13.6	
122 4-Bromophenyl phenyl ether	248	8.224	8.224	0.000	72	391820	12.5	13.5	
123 trans-Diallate	86	8.235	8.235	0.000	89	181920	3.13	3.08	
124 Hexachlorobenzene	284	8.270	8.270	0.000	92	455334	12.5	12.2	
125 Dimethoate	87	8.323	8.317	0.006	92	702919	12.5	12.8	
126 Atrazine	200	8.393	8.387	0.006	87	378917	12.5	12.0	
127 Pentachlorophenol	266	8.463	8.463	0.000	89	613246	25.0	25.0	
129 4-Aminobiphenyl	169	8.469	8.469	0.000	92	1457025	12.5	12.7	
128 Pentachloronitrobenzene	237	8.469	8.469	0.000	71	270651	12.5	13.7	
130 Pronamide	173	8.533	8.533	0.000	89	658468	12.5	12.9	
* 131 Phenanthrene-d10	188	8.644	8.638	0.006	97	692881	5.00	5.00	
133 Dinoseb	211	8.644	8.644	0.000	89	351844	12.5	14.2	
134 Disulfoton	88	8.656	8.656	0.000	96	1073891	12.5	12.6	
132 Phenanthrene	178	8.662	8.661	0.001	99	1903229	12.5	12.4	
135 Anthracene	178	8.714	8.714	0.000	98	1965401	12.5	12.7	
136 Carbazole	167	8.872	8.872	0.000	97	1776606	12.5	13.0	
137 Methyl parathion	109	9.012	9.012	0.000	88	651184	12.5	14.7	
138 Di-n-butyl phthalate	149	9.222	9.222	0.000	99	2446459	12.5	13.1	
139 Ethyl Parathion	109	9.386	9.385	0.001	80	399526	12.5	14.1	
140 4-Nitroquinoline-1-oxide	190	9.409	9.409	0.000	84	207779	12.5	14.8	
142 Octachlorostyrene	308	9.613	9.613	0.000	90	213379	12.5	12.0	
143 Isodrin	193	9.648	9.648	0.000	88	252108	12.5	13.1	
S 68 Diallate	86				0		12.5	13.0	
144 Fluoranthene	202	9.794	9.794	0.000	98	2209284	12.5	13.2	
145 Benzidine	184	9.940	9.940	0.000	99	1951532	12.5	16.5	
* 146 Pyrene-d10 (IS)	212	9.993	9.987	0.006	98	735873	5.00	5.00	
147 Pyrene	202	10.010	10.010	0.000	97	2299052	12.5	12.3	
200 Aramite Peak 1	185	10.244	10.229	0.015	0	165277	1.25	23.5	
192 Aramite Peak 2	185	10.244	10.246	-0.002	0	165277	1.25	28.5	
185 Aramite Peak 3	185	10.244	10.293	-0.049	0	165277	5.00	10.2	
149 p-Dimethylamino azobenzene	225	10.314	10.314	0.000	89	387537	12.5	14.3	
150 Chlorobenzilate	139	10.361	10.361	0.000	80	888905	12.5	14.0	
180 Aramite Peak 4	185	10.244	10.369	-0.125	0	165277	5.00	9.24	
151 Famphur	218		10.618				ND	ND	U
152 3,3'-Dimethylbenzidine	212	10.664	10.664	0.000	99	1195664	12.5	13.6	
153 Butyl benzyl phthalate	149	10.688	10.688	0.000	92	1121712	12.5	12.8	
155 2-Acetylaminofluorene	181	10.933	10.933	0.000	90	903618	12.5	14.0	
S 94 Isosafrole	162				0		12.5	13.9	
157 3,3'-Dichlorobenzidine	252	11.266	11.260	0.006	76	1227056	12.5	17.6	
158 4,4'-Methylene bis(2-chloroani	231	11.272	11.271	0.001	68	455311	12.5	13.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
156 Benzo[a]anthracene	228	11.272	11.271	0.001	98	2144307	12.5	12.9	
159 Chrysene	228	11.312	11.312	0.000	97	1976065	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	11.359	11.359	0.000	95	1587566	12.5	13.0	
S 103 Aramite, Total	185				0		12.5	71.4	
161 6-Methylchrysene	242	11.879	11.873	0.006	97	1437801	12.5	13.5	
162 Di-n-octyl phthalate	149	12.212	12.212	0.000	99	2821086	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.655	12.655	0.000	96	2252469	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.655	12.655	0.000	72	933292	12.5	13.9	
165 Benzo[k]fluoranthene	252	12.696	12.696	0.000	99	2174197	12.5	12.2	
166 Benzo[a]pyrene	252	13.111	13.105	0.006	78	2137463	12.5	11.7	
* 167 Perylene-d12	264	13.187	13.187	0.000	98	757750	5.00	5.00	
168 3-Methylcholanthrene	268	13.625	13.625	0.000	91	1036043	12.5	12.7	
169 Dibenz[a,h]acridine	279	14.413	14.413	0.000	91	1941595	12.5	15.1	
170 Dibenz[a,j]acridine	279	14.483	14.483	0.000	96	1865508	12.5	12.6	
171 Indeno[1,2,3-cd]pyrene	276	14.705	14.705	0.000	99	2010726	12.5	11.7	
172 Dibenz(a,h)anthracene	278	14.746	14.746	0.000	92	2070961	12.5	12.6	
173 Benzo[g,h,i]perylene	276	15.067	15.061	0.006	98	2182310	12.5	13.0	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

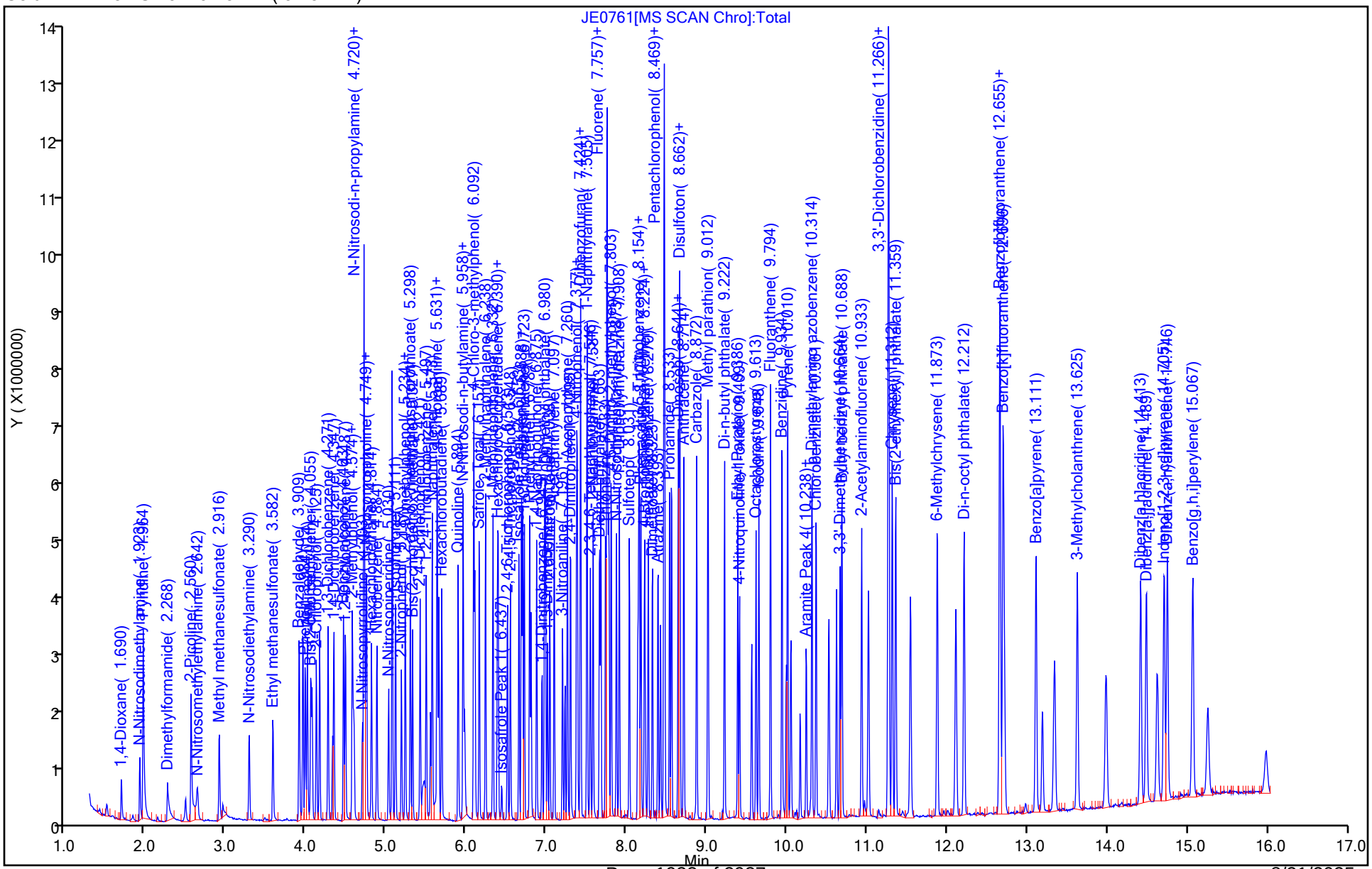
Report Date: 08-May-2025 09:48:46 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D

Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



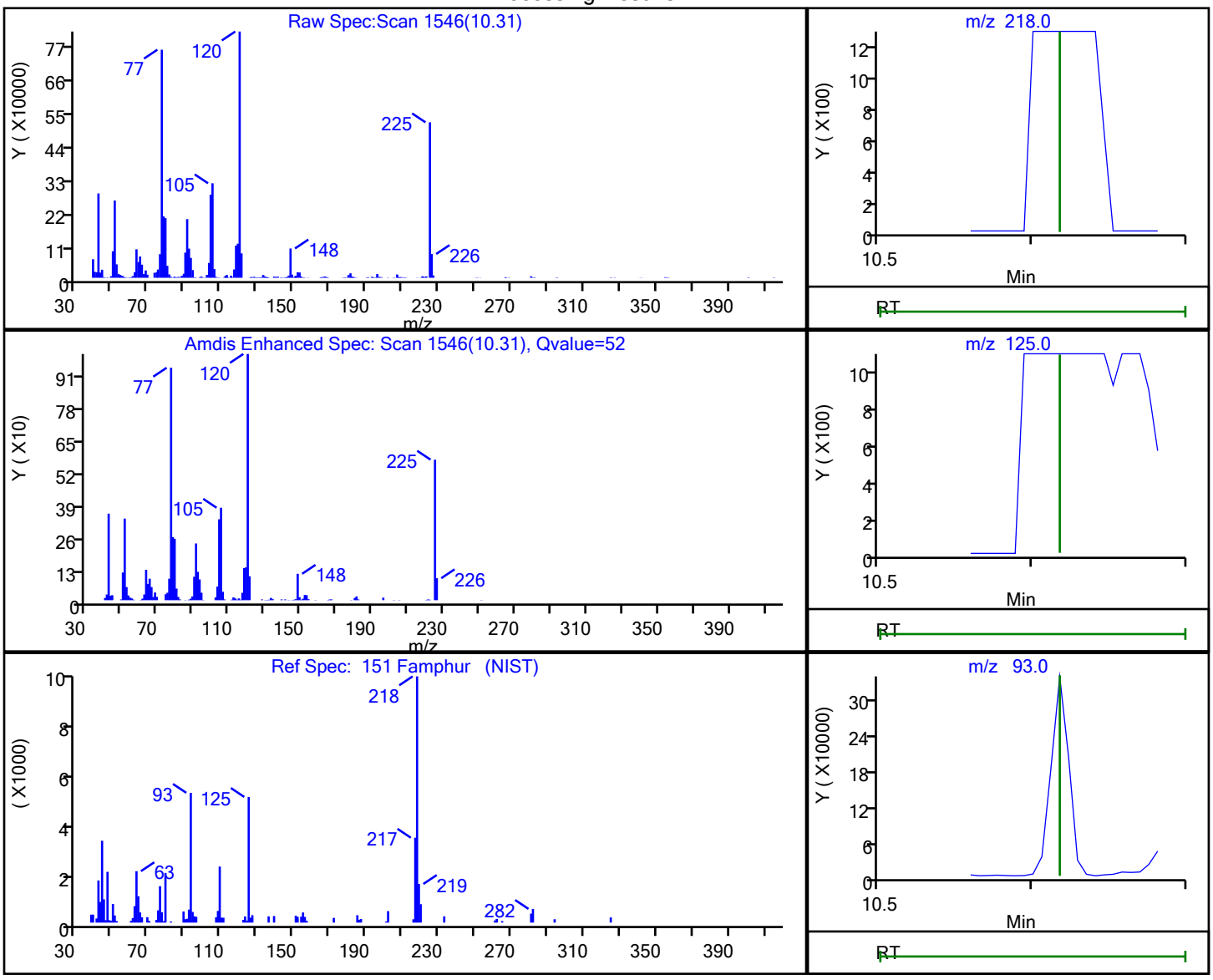
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D				
Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

151 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
10.31	218.00	421	0.006637
10.31	125.00	649	
10.31	93.00	62990	

Reviewer: W6ZA, 08-May-2025 08:14:40 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

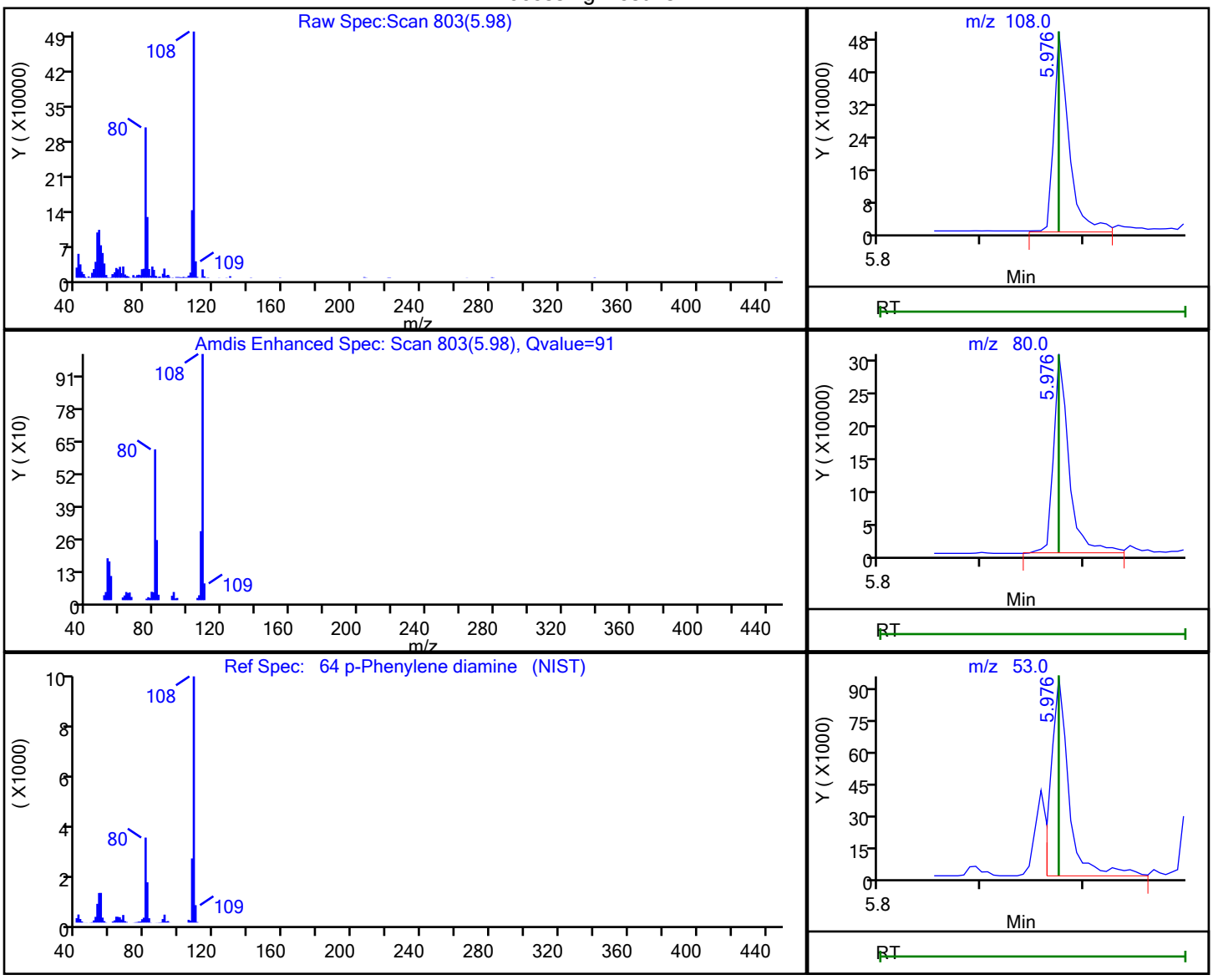
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0761.D				
Injection Date:	08-May-2025 03:22:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.98	108.00	492847	9.172911
5.98	80.00	317124	
5.98	53.00	109068	
5.98	54.00	78627	
5.98	52.00	94653	

Reviewer: W6ZA, 08-May-2025 09:20:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 03/11/2025 21:15

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 03/11/2025 23:27

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Ave	0.3569				12.5		
Indene	Ave	2.650				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 02:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151575-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.420	1.426	-0.006	97	254496	12.5	11.8	
2 N-Nitrosodimethylamine	74	1.642	1.648	-0.006	94	489877	12.5	13.5	
3 Pyridine	79	1.677	1.683	-0.006	91	1475389	25.0	22.7	
4 Dimethylformamide	73	1.975	1.998	-0.023	97	580546	12.5	13.8	
5 2-Picoline	93	2.244	2.249	-0.005	93	753825	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	95	328526	12.5	12.4	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	562467	12.5	13.6	
11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	90	327122	12.5	12.4	
12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	338830	12.5	13.4	
13 Benzaldehyde	77	3.575	3.575	0.000	88	651667	12.5	11.7	
17 Aniline	93	3.686	3.686	0.000	68	1129827	12.5	13.4	
16 Phenol	94	3.686	3.686	0.000	78	1060592	12.5	13.8	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	715151	12.5	12.9	
19 2-Chlorophenol	128	3.797	3.797	0.000	88	563163	12.5	13.0	
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	651847	12.5	12.8	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	92	178528	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	653319	12.5	12.6	
26 Benzyl alcohol	108	4.153	4.153	0.000	85	470352	12.5	14.2	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	617671	12.5	12.7	
28 Indene	115		4.241				ND	ND	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	92	1334296	12.5	13.2	
29 2-Methylphenol	108	4.276	4.276	0.000	95	624650	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	81	410716	12.5	14.1	
32 Acetophenone	105	4.398	4.398	0.000	88	1070940	12.5	13.5	
33 N-Nitrosodi-n-propylamine	70	4.410	4.404	0.006	85	716852	12.5	13.8	
35 N-Nitrosomorpholine	56	4.427	4.427	0.000	87	647359	12.5	15.7	
34 4-Methylphenol	108	4.433	4.433	0.000	83	731001	12.5	14.0	
36 2-Toluidine	106	4.433	4.433	0.000	82	1129747	12.5	13.5	
37 Hexachloroethane	117	4.480	4.480	0.000	94	301178	12.5	12.0	
40 Nitrobenzene	77	4.562	4.562	0.000	88	966024	12.5	12.1	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	4.714	4.708	0.006	78	323825	12.5	12.2	
	42 Isophorone	82	4.801	4.795	0.006	98	1703242	12.5	12.3	
	43 2-Nitrophenol	139	4.871	4.871	0.000	84	290548	12.5	12.5	
	44 2,4-Dimethylphenol	107	4.935	4.935	0.000	97	734866	12.5	12.9	
	46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	308255	12.5	12.1	
	47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	976870	12.5	12.3	
	48 Benzoic acid	105		5.046				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.116	5.116	0.000	96	546323	12.5	12.8	
	50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	608654	12.5	11.7	
*	52 Naphthalene-d8	136	5.227	5.227	0.000	98	643974	5.00	5.00	
	53 Naphthalene	128	5.251	5.251	0.000	98	1637493	12.5	11.9	
	56 4-Chloroaniline	127	5.321	5.321	0.000	91	732024	12.5	13.5	
	57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	547965	12.5	12.5	
	58 Hexachloropropene	213	5.332	5.332	0.000	97	523392	12.5	12.5	
	59 Hexachlorobutadiene	225	5.373	5.373	0.000	95	398784	12.5	12.1	
	61 Quinoline	129	5.578	5.578	0.000	92	1129163	12.5	12.5	
	63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	765933	12.5	12.6	
	62 Caprolactam	113	5.659	5.654	0.005	68	166450	12.5	13.2	
	64 p-Phenylene diamine	108		5.671				ND	ND	U
	65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	633197	12.5	11.7	
	66 Safrole, Total	162	5.846	5.846	0.000	81	471653	12.5	12.6	
	67 2-Methylnaphthalene	142	5.916	5.916	0.000	90	1093480	12.5	13.5	
	69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1004452	12.5	11.3	
	71 Hexachlorocyclopentadiene	237		6.068				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	98	684146	12.5	12.0	a
	72 Isosafrole Peak 1	162	6.127	6.127	0.000	82	62165	1.50	1.41	
	79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	95	421855	12.5	13.3	
	80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	93	467484	12.5	13.2	
	82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	507246	11.0	10.7	
	83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	1402044	12.5	12.6	
	84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	1141722	12.5	12.3	
	85 1-Chloronaphthalene	162	6.401	6.395	0.006	98	1176600	12.5	12.4	
	86 Phenyl ether	170	6.471	6.471	0.000	90	800053	12.5	11.6	
	87 2-Nitroaniline	138	6.494	6.494	0.000	72	352886	12.5	13.5	
	88 1,4-Naphthoquinone	158	6.565	6.559	0.005	73	485784	12.5	13.9	
	89 1,4-Dinitrobenzene	168	6.640	6.635	0.005	85	185893	12.5	13.5	
	90 Dimethyl phthalate	163	6.681	6.681	0.000	95	1359721	12.5	12.3	
	91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	194847	12.5	13.4	
	92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	81	308968	12.5	13.1	
	93 Acenaphthylene	152	6.769	6.769	0.000	98	1841990	12.5	12.6	
	95 3-Nitroaniline	138	6.891	6.891	0.000	85	309469	12.5	13.6	
*	96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385493	5.00	5.00	
	97 Acenaphthene	153	6.938	6.932	0.006	98	1121196	12.5	11.8	
	98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	389116	25.0	25.3	
	99 Pentachlorobenzene	250	7.067	7.061	0.006	97	589632	12.5	12.4	
	100 4-Nitrophenol	109	7.096	7.090	0.006	87	515032	25.0	28.3	
	101 Dibenzofuran	168	7.102	7.102	0.000	97	1606426	12.5	12.1	
	102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	85	415660	12.5	12.8	
	104 1-Naphthylamine	143	7.183	7.183	0.000	97	973553	12.5	11.4	
	105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	75	386311	12.5	12.5	
	106 2-Naphthylamine	143	7.259	7.259	0.000	95	1163542	12.5	13.0	
	107 Diethyl phthalate	149	7.353	7.353	0.000	95	1335597	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Fluorene	166	7.429	7.423	0.006	92	1238670	12.5	12.3	
109 Thionazin	107	7.429	7.423	0.006	73	268526	12.5	13.1	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	642121	12.5	11.8	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	72	371940	12.5	13.2	
112 4-Nitroaniline	138	7.475	7.470	0.005	76	279781	12.5	12.8	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	68	497245	25.0	24.8	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	883090	10.6	10.5	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	99	1998495	12.5	12.1	
117 Sulfotepp	97	7.726	7.726	0.000	76	365819	12.5	12.8	
120 cis-Diallate	86	7.832	7.832	0.000	96	568477	9.38	10.2	
119 Phorate	75	7.843	7.843	0.000	93	1812468	12.5	12.9	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	81	132089	12.5	12.7	a
121 Phenacetin	108	7.878	7.872	0.006	89	821132	12.5	13.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	72	401529	12.5	12.3	
123 trans-Diallate	86	7.919	7.913	0.006	97	186205	3.13	3.25	
124 Hexachlorobenzene	284	7.948	7.942	0.006	94	445987	12.5	11.4	
125 Dimethoate	87	8.007	8.007	0.000	95	714422	12.5	13.4	
126 Atrazine	200	8.083	8.083	0.000	85	384344	12.5	11.9	
127 Pentachlorophenol	266	8.147	8.147	0.000	90	568886	25.0	23.7	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	1289037	12.5	11.3	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	51	231651	12.5	11.9	
130 Pronamide	173	8.229	8.223	0.006	90	663198	12.5	12.2	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	725649	5.00	5.00	
132 Phenanthrene	178	8.334	8.328	0.006	98	1846969	12.5	11.5	
133 Dinoseb	211	8.334	8.334	0.000	91	365693	12.5	12.3	
134 Disulfoton	88	8.340	8.340	0.000	97	1013960	12.5	11.8	
135 Anthracene	178	8.380	8.380	0.000	99	1923570	12.5	12.2	
136 Carbazole	167	8.550	8.550	0.000	96	1779444	12.5	12.6	
137 Methyl parathion	109	8.696	8.696	0.000	89	594543	12.5	14.9	
138 Di-n-butyl phthalate	149	8.912	8.906	0.006	100	2237439	12.5	13.6	
139 Ethyl Parathion	109	9.069	9.069	0.000	80	344113	12.5	15.1	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	85	182500	12.5	13.1	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	184430	12.5	12.4	
143 Isodrin	193	9.309	9.309	0.000	92	267555	12.5	11.4	
144 Fluoranthene	202	9.455	9.455	0.000	98	2232712	12.5	12.7	
145 Benzidine	184	9.612	9.612	0.000	99	1663147	12.5	16.1	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	786341	5.00	5.00	
S 68 Diallate	86				0		12.5	13.4	
147 Pyrene	202	9.665	9.665	0.000	98	2354784	12.5	12.3	
200 Aramite Peak 1	185	9.846	9.836	0.010	0	70407	1.25	24.5	
192 Aramite Peak 2	185	9.846	9.859	-0.013	0	70407	1.25	30.7	
185 Aramite Peak 3	185	9.922	9.900	0.022	0	159992	5.00	10.9	
180 Aramite Peak 4	185	9.922	9.976	-0.054	0	159992	5.00	4.90	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	91	362982	12.5	14.5	
150 Chlorobenzilate	139	10.033	10.033	0.000	85	699374	12.5	13.6	
151 Famphur	218	10.272	10.302	-0.030	85	632663	12.5	9.40	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	1153284	12.5	12.9	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	938265	12.5	13.5	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	93	771470	12.5	13.0	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	1954895	12.5	12.9	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	77	1050825	12.5	19.0	
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	96	382256	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1831498	12.5	12.4	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	94	1213231	12.5	13.0	
S 94 Isosafrole	162				0		12.5	12.1	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	1203481	12.5	12.8	
S 103 Aramite, Total	185				0		12.5	71.1	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	1980257	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.152	12.147	0.005	82	751646	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.152	12.147	0.005	96	1829385	12.5	12.7	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	99	1684233	12.5	11.3	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	1632039	12.5	11.8	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	594225	5.00	5.00	
168 3-Methylcholanthrene	268	13.063	13.057	0.006	91	763193	12.5	12.3	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	1308614	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.881	13.875	0.006	96	1285508	12.5	12.1	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	100	1419098	12.5	11.2	
172 Dibenz(a,h)anthracene	278	14.149	14.144	0.005	92	1424607	12.5	11.9	
173 Benzo[g,h,i]perylene	276	14.459	14.453	0.006	99	1474516	12.5	11.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

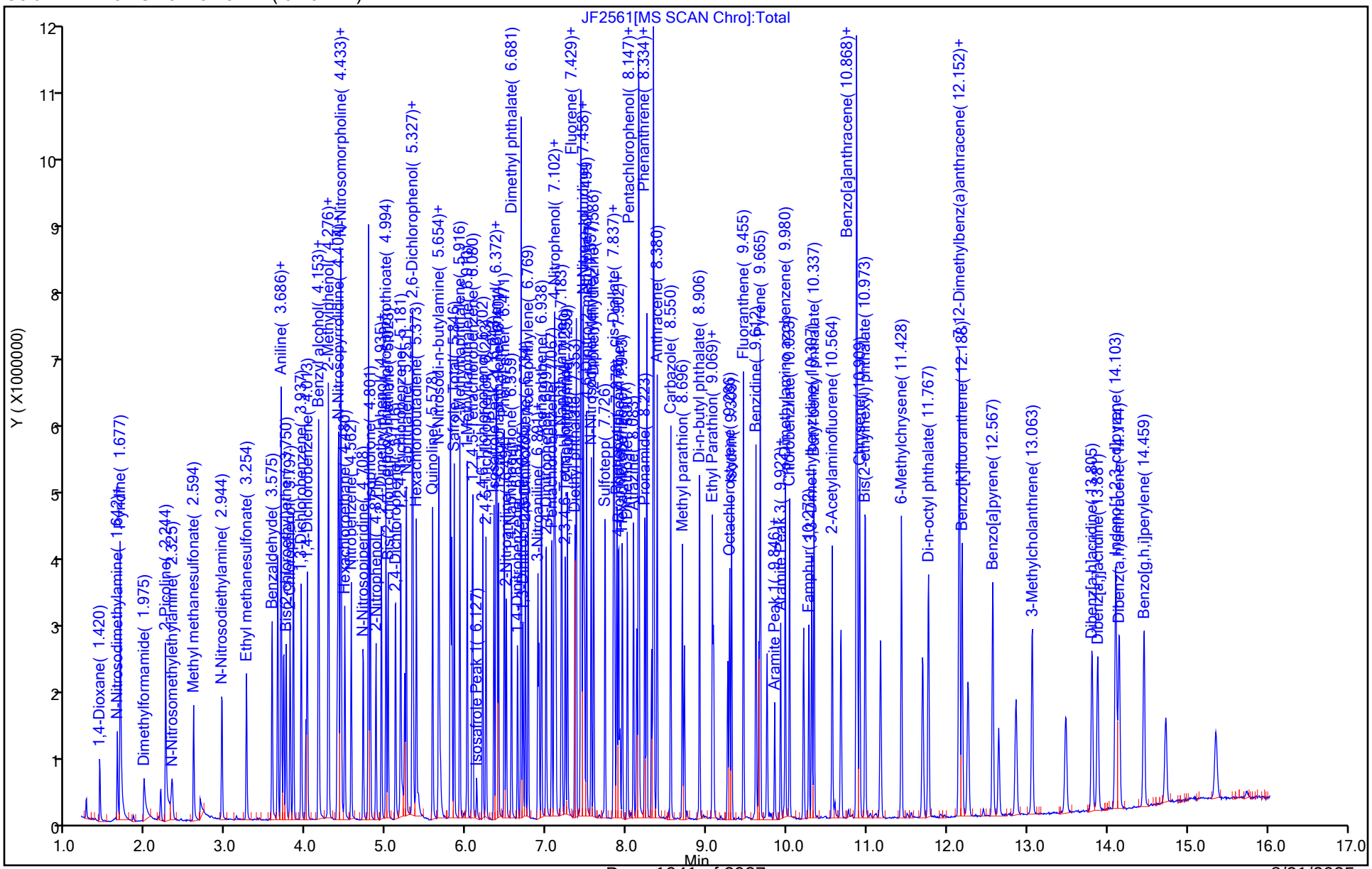
Report Date: 26-Jun-2025 11:07:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D

Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/03/2025 22:26

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/04/2025 00:13

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Famphur	Ave	0.4281	0.3218			12.5	-24.8	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 02:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151575-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.420	1.426	-0.006	97	254496	12.5	11.8	
2 N-Nitrosodimethylamine	74	1.642	1.648	-0.006	94	489877	12.5	13.5	
3 Pyridine	79	1.677	1.683	-0.006	91	1475389	25.0	22.7	
4 Dimethylformamide	73	1.975	1.998	-0.023	97	580546	12.5	13.8	
5 2-Picoline	93	2.244	2.249	-0.005	93	753825	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	95	328526	12.5	12.4	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	562467	12.5	13.6	
11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	90	327122	12.5	12.4	
12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	338830	12.5	13.4	
13 Benzaldehyde	77	3.575	3.575	0.000	88	651667	12.5	11.7	
17 Aniline	93	3.686	3.686	0.000	68	1129827	12.5	13.4	
16 Phenol	94	3.686	3.686	0.000	78	1060592	12.5	13.8	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	715151	12.5	12.9	
19 2-Chlorophenol	128	3.797	3.797	0.000	88	563163	12.5	13.0	
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	651847	12.5	12.8	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	92	178528	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	653319	12.5	12.6	
26 Benzyl alcohol	108	4.153	4.153	0.000	85	470352	12.5	14.2	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	617671	12.5	12.7	
28 Indene	115		4.241				ND	ND	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	92	1334296	12.5	13.2	
29 2-Methylphenol	108	4.276	4.276	0.000	95	624650	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	81	410716	12.5	14.1	
32 Acetophenone	105	4.398	4.398	0.000	88	1070940	12.5	13.5	
33 N-Nitrosodi-n-propylamine	70	4.410	4.404	0.006	85	716852	12.5	13.8	
35 N-Nitrosomorpholine	56	4.427	4.427	0.000	87	647359	12.5	15.7	
34 4-Methylphenol	108	4.433	4.433	0.000	83	731001	12.5	14.0	
36 2-Toluidine	106	4.433	4.433	0.000	82	1129747	12.5	13.5	
37 Hexachloroethane	117	4.480	4.480	0.000	94	301178	12.5	12.0	
40 Nitrobenzene	77	4.562	4.562	0.000	88	966024	12.5	12.1	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	4.714	4.708	0.006	78	323825	12.5	12.2	
	42 Isophorone	82	4.801	4.795	0.006	98	1703242	12.5	12.3	
	43 2-Nitrophenol	139	4.871	4.871	0.000	84	290548	12.5	12.5	
	44 2,4-Dimethylphenol	107	4.935	4.935	0.000	97	734866	12.5	12.9	
	46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	308255	12.5	12.1	
	47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	976870	12.5	12.3	
	48 Benzoic acid	105		5.046				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.116	5.116	0.000	96	546323	12.5	12.8	
	50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	608654	12.5	11.7	
*	52 Naphthalene-d8	136	5.227	5.227	0.000	98	643974	5.00	5.00	
	53 Naphthalene	128	5.251	5.251	0.000	98	1637493	12.5	11.9	
	56 4-Chloroaniline	127	5.321	5.321	0.000	91	732024	12.5	13.5	
	57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	547965	12.5	12.5	
	58 Hexachloropropene	213	5.332	5.332	0.000	97	523392	12.5	12.5	
	59 Hexachlorobutadiene	225	5.373	5.373	0.000	95	398784	12.5	12.1	
	61 Quinoline	129	5.578	5.578	0.000	92	1129163	12.5	12.5	
	63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	765933	12.5	12.6	
	62 Caprolactam	113	5.659	5.654	0.005	68	166450	12.5	13.2	
	64 p-Phenylene diamine	108		5.671				ND	ND	U
	65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	633197	12.5	11.7	
	66 Safrole, Total	162	5.846	5.846	0.000	81	471653	12.5	12.6	
	67 2-Methylnaphthalene	142	5.916	5.916	0.000	90	1093480	12.5	13.5	
	69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1004452	12.5	11.3	
	71 Hexachlorocyclopentadiene	237		6.068				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	98	684146	12.5	12.0	a
	72 Isosafrole Peak 1	162	6.127	6.127	0.000	82	62165	1.50	1.41	
	79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	95	421855	12.5	13.3	
	80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	93	467484	12.5	13.2	
	82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	507246	11.0	10.7	
	83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	1402044	12.5	12.6	
	84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	1141722	12.5	12.3	
	85 1-Chloronaphthalene	162	6.401	6.395	0.006	98	1176600	12.5	12.4	
	86 Phenyl ether	170	6.471	6.471	0.000	90	800053	12.5	11.6	
	87 2-Nitroaniline	138	6.494	6.494	0.000	72	352886	12.5	13.5	
	88 1,4-Naphthoquinone	158	6.565	6.559	0.005	73	485784	12.5	13.9	
	89 1,4-Dinitrobenzene	168	6.640	6.635	0.005	85	185893	12.5	13.5	
	90 Dimethyl phthalate	163	6.681	6.681	0.000	95	1359721	12.5	12.3	
	91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	194847	12.5	13.4	
	92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	81	308968	12.5	13.1	
	93 Acenaphthylene	152	6.769	6.769	0.000	98	1841990	12.5	12.6	
	95 3-Nitroaniline	138	6.891	6.891	0.000	85	309469	12.5	13.6	
*	96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385493	5.00	5.00	
	97 Acenaphthene	153	6.938	6.932	0.006	98	1121196	12.5	11.8	
	98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	389116	25.0	25.3	
	99 Pentachlorobenzene	250	7.067	7.061	0.006	97	589632	12.5	12.4	
	100 4-Nitrophenol	109	7.096	7.090	0.006	87	515032	25.0	28.3	
	101 Dibenzofuran	168	7.102	7.102	0.000	97	1606426	12.5	12.1	
	102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	85	415660	12.5	12.8	
	104 1-Naphthylamine	143	7.183	7.183	0.000	97	973553	12.5	11.4	
	105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	75	386311	12.5	12.5	
	106 2-Naphthylamine	143	7.259	7.259	0.000	95	1163542	12.5	13.0	
	107 Diethyl phthalate	149	7.353	7.353	0.000	95	1335597	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Fluorene	166	7.429	7.423	0.006	92	1238670	12.5	12.3	
109 Thionazin	107	7.429	7.423	0.006	73	268526	12.5	13.1	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	642121	12.5	11.8	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	72	371940	12.5	13.2	
112 4-Nitroaniline	138	7.475	7.470	0.005	76	279781	12.5	12.8	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	68	497245	25.0	24.8	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	883090	10.6	10.5	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	99	1998495	12.5	12.1	
117 Sulfotepp	97	7.726	7.726	0.000	76	365819	12.5	12.8	
120 cis-Diallate	86	7.832	7.832	0.000	96	568477	9.38	10.2	
119 Phorate	75	7.843	7.843	0.000	93	1812468	12.5	12.9	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	81	132089	12.5	12.7	a
121 Phenacetin	108	7.878	7.872	0.006	89	821132	12.5	13.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	72	401529	12.5	12.3	
123 trans-Diallate	86	7.919	7.913	0.006	97	186205	3.13	3.25	
124 Hexachlorobenzene	284	7.948	7.942	0.006	94	445987	12.5	11.4	
125 Dimethoate	87	8.007	8.007	0.000	95	714422	12.5	13.4	
126 Atrazine	200	8.083	8.083	0.000	85	384344	12.5	11.9	
127 Pentachlorophenol	266	8.147	8.147	0.000	90	568886	25.0	23.7	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	1289037	12.5	11.3	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	51	231651	12.5	11.9	
130 Pronamide	173	8.229	8.223	0.006	90	663198	12.5	12.2	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	725649	5.00	5.00	
132 Phenanthrene	178	8.334	8.328	0.006	98	1846969	12.5	11.5	
133 Dinoseb	211	8.334	8.334	0.000	91	365693	12.5	12.3	
134 Disulfoton	88	8.340	8.340	0.000	97	1013960	12.5	11.8	
135 Anthracene	178	8.380	8.380	0.000	99	1923570	12.5	12.2	
136 Carbazole	167	8.550	8.550	0.000	96	1779444	12.5	12.6	
137 Methyl parathion	109	8.696	8.696	0.000	89	594543	12.5	14.9	
138 Di-n-butyl phthalate	149	8.912	8.906	0.006	100	2237439	12.5	13.6	
139 Ethyl Parathion	109	9.069	9.069	0.000	80	344113	12.5	15.1	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	85	182500	12.5	13.1	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	184430	12.5	12.4	
143 Isodrin	193	9.309	9.309	0.000	92	267555	12.5	11.4	
144 Fluoranthene	202	9.455	9.455	0.000	98	2232712	12.5	12.7	
145 Benzidine	184	9.612	9.612	0.000	99	1663147	12.5	16.1	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	786341	5.00	5.00	
S 68 Diallate	86				0		12.5	13.4	
147 Pyrene	202	9.665	9.665	0.000	98	2354784	12.5	12.3	
200 Aramite Peak 1	185	9.846	9.836	0.010	0	70407	1.25	24.5	
192 Aramite Peak 2	185	9.846	9.859	-0.013	0	70407	1.25	30.7	
185 Aramite Peak 3	185	9.922	9.900	0.022	0	159992	5.00	10.9	
180 Aramite Peak 4	185	9.922	9.976	-0.054	0	159992	5.00	4.90	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	91	362982	12.5	14.5	
150 Chlorobenzilate	139	10.033	10.033	0.000	85	699374	12.5	13.6	
151 Famphur	218	10.272	10.302	-0.030	85	632663	12.5	9.40	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	1153284	12.5	12.9	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	938265	12.5	13.5	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	93	771470	12.5	13.0	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	1954895	12.5	12.9	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	77	1050825	12.5	19.0	
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	96	382256	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1831498	12.5	12.4	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	94	1213231	12.5	13.0	
S 94 Isosafrole	162				0		12.5	12.1	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	1203481	12.5	12.8	
S 103 Aramite, Total	185				0		12.5	71.1	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	1980257	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.152	12.147	0.005	82	751646	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.152	12.147	0.005	96	1829385	12.5	12.7	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	99	1684233	12.5	11.3	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	1632039	12.5	11.8	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	594225	5.00	5.00	
168 3-Methylcholanthrene	268	13.063	13.057	0.006	91	763193	12.5	12.3	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	1308614	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.881	13.875	0.006	96	1285508	12.5	12.1	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	100	1419098	12.5	11.2	
172 Dibenz(a,h)anthracene	278	14.149	14.144	0.005	92	1424607	12.5	11.9	
173 Benzo[g,h,i]perylene	276	14.459	14.453	0.006	99	1474516	12.5	11.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

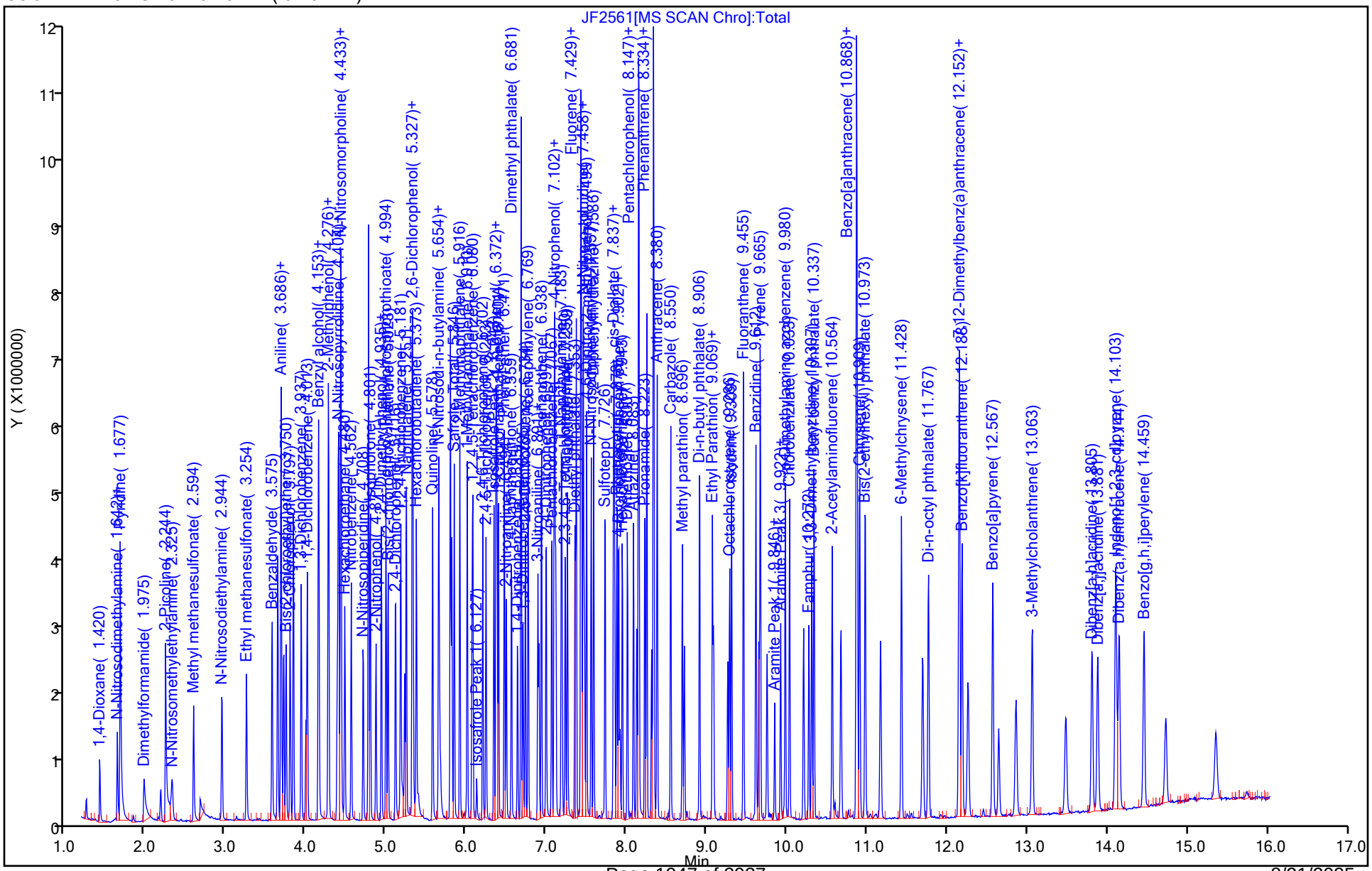
Report Date: 26-Jun-2025 11:07:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D

Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/20/2025 12:10

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/20/2025 12:10

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Aramite Peak 1	Ave	0.0183	0.3581		24.5	1.25	1861.8*	30.0
Aramite Peak 2	Ave	0.0146	0.3581		30.7	1.25	2359.8*	30.0
Aramite Peak 3	Ave	0.0934	0.2035		10.9	5.00	117.9*	30.0
Aramite Peak 4	Ave	0.2076	0.2035		4.90	5.00	-2.0	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 02:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151575-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.420	1.426	-0.006	97	254496	12.5	11.8	
2 N-Nitrosodimethylamine	74	1.642	1.648	-0.006	94	489877	12.5	13.5	
3 Pyridine	79	1.677	1.683	-0.006	91	1475389	25.0	22.7	
4 Dimethylformamide	73	1.975	1.998	-0.023	97	580546	12.5	13.8	
5 2-Picoline	93	2.244	2.249	-0.005	93	753825	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	95	328526	12.5	12.4	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	562467	12.5	13.6	
11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	90	327122	12.5	12.4	
12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	338830	12.5	13.4	
13 Benzaldehyde	77	3.575	3.575	0.000	88	651667	12.5	11.7	
17 Aniline	93	3.686	3.686	0.000	68	1129827	12.5	13.4	
16 Phenol	94	3.686	3.686	0.000	78	1060592	12.5	13.8	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	715151	12.5	12.9	
19 2-Chlorophenol	128	3.797	3.797	0.000	88	563163	12.5	13.0	
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	651847	12.5	12.8	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	92	178528	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	653319	12.5	12.6	
26 Benzyl alcohol	108	4.153	4.153	0.000	85	470352	12.5	14.2	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	617671	12.5	12.7	
28 Indene	115		4.241				ND	ND	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	92	1334296	12.5	13.2	
29 2-Methylphenol	108	4.276	4.276	0.000	95	624650	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	81	410716	12.5	14.1	
32 Acetophenone	105	4.398	4.398	0.000	88	1070940	12.5	13.5	
33 N-Nitrosodi-n-propylamine	70	4.410	4.404	0.006	85	716852	12.5	13.8	
35 N-Nitrosomorpholine	56	4.427	4.427	0.000	87	647359	12.5	15.7	
34 4-Methylphenol	108	4.433	4.433	0.000	83	731001	12.5	14.0	
36 2-Toluidine	106	4.433	4.433	0.000	82	1129747	12.5	13.5	
37 Hexachloroethane	117	4.480	4.480	0.000	94	301178	12.5	12.0	
40 Nitrobenzene	77	4.562	4.562	0.000	88	966024	12.5	12.1	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	4.714	4.708	0.006	78	323825	12.5	12.2	
	42 Isophorone	82	4.801	4.795	0.006	98	1703242	12.5	12.3	
	43 2-Nitrophenol	139	4.871	4.871	0.000	84	290548	12.5	12.5	
	44 2,4-Dimethylphenol	107	4.935	4.935	0.000	97	734866	12.5	12.9	
	46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	308255	12.5	12.1	
	47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	976870	12.5	12.3	
	48 Benzoic acid	105		5.046				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.116	5.116	0.000	96	546323	12.5	12.8	
	50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	608654	12.5	11.7	
*	52 Naphthalene-d8	136	5.227	5.227	0.000	98	643974	5.00	5.00	
	53 Naphthalene	128	5.251	5.251	0.000	98	1637493	12.5	11.9	
	56 4-Chloroaniline	127	5.321	5.321	0.000	91	732024	12.5	13.5	
	57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	547965	12.5	12.5	
	58 Hexachloropropene	213	5.332	5.332	0.000	97	523392	12.5	12.5	
	59 Hexachlorobutadiene	225	5.373	5.373	0.000	95	398784	12.5	12.1	
	61 Quinoline	129	5.578	5.578	0.000	92	1129163	12.5	12.5	
	63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	765933	12.5	12.6	
	62 Caprolactam	113	5.659	5.654	0.005	68	166450	12.5	13.2	
	64 p-Phenylene diamine	108		5.671				ND	ND	U
	65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	633197	12.5	11.7	
	66 Safrole, Total	162	5.846	5.846	0.000	81	471653	12.5	12.6	
	67 2-Methylnaphthalene	142	5.916	5.916	0.000	90	1093480	12.5	13.5	
	69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1004452	12.5	11.3	
	71 Hexachlorocyclopentadiene	237		6.068				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	98	684146	12.5	12.0	a
	72 Isosafrole Peak 1	162	6.127	6.127	0.000	82	62165	1.50	1.41	
	79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	95	421855	12.5	13.3	
	80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	93	467484	12.5	13.2	
	82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	507246	11.0	10.7	
	83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	1402044	12.5	12.6	
	84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	1141722	12.5	12.3	
	85 1-Chloronaphthalene	162	6.401	6.395	0.006	98	1176600	12.5	12.4	
	86 Phenyl ether	170	6.471	6.471	0.000	90	800053	12.5	11.6	
	87 2-Nitroaniline	138	6.494	6.494	0.000	72	352886	12.5	13.5	
	88 1,4-Naphthoquinone	158	6.565	6.559	0.005	73	485784	12.5	13.9	
	89 1,4-Dinitrobenzene	168	6.640	6.635	0.005	85	185893	12.5	13.5	
	90 Dimethyl phthalate	163	6.681	6.681	0.000	95	1359721	12.5	12.3	
	91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	194847	12.5	13.4	
	92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	81	308968	12.5	13.1	
	93 Acenaphthylene	152	6.769	6.769	0.000	98	1841990	12.5	12.6	
	95 3-Nitroaniline	138	6.891	6.891	0.000	85	309469	12.5	13.6	
*	96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385493	5.00	5.00	
	97 Acenaphthene	153	6.938	6.932	0.006	98	1121196	12.5	11.8	
	98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	389116	25.0	25.3	
	99 Pentachlorobenzene	250	7.067	7.061	0.006	97	589632	12.5	12.4	
	100 4-Nitrophenol	109	7.096	7.090	0.006	87	515032	25.0	28.3	
	101 Dibenzofuran	168	7.102	7.102	0.000	97	1606426	12.5	12.1	
	102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	85	415660	12.5	12.8	
	104 1-Naphthylamine	143	7.183	7.183	0.000	97	973553	12.5	11.4	
	105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	75	386311	12.5	12.5	
	106 2-Naphthylamine	143	7.259	7.259	0.000	95	1163542	12.5	13.0	
	107 Diethyl phthalate	149	7.353	7.353	0.000	95	1335597	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Fluorene	166	7.429	7.423	0.006	92	1238670	12.5	12.3	
109 Thionazin	107	7.429	7.423	0.006	73	268526	12.5	13.1	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	642121	12.5	11.8	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	72	371940	12.5	13.2	
112 4-Nitroaniline	138	7.475	7.470	0.005	76	279781	12.5	12.8	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	68	497245	25.0	24.8	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	883090	10.6	10.5	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	99	1998495	12.5	12.1	
117 Sulfotepp	97	7.726	7.726	0.000	76	365819	12.5	12.8	
120 cis-Diallate	86	7.832	7.832	0.000	96	568477	9.38	10.2	
119 Phorate	75	7.843	7.843	0.000	93	1812468	12.5	12.9	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	81	132089	12.5	12.7	a
121 Phenacetin	108	7.878	7.872	0.006	89	821132	12.5	13.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	72	401529	12.5	12.3	
123 trans-Diallate	86	7.919	7.913	0.006	97	186205	3.13	3.25	
124 Hexachlorobenzene	284	7.948	7.942	0.006	94	445987	12.5	11.4	
125 Dimethoate	87	8.007	8.007	0.000	95	714422	12.5	13.4	
126 Atrazine	200	8.083	8.083	0.000	85	384344	12.5	11.9	
127 Pentachlorophenol	266	8.147	8.147	0.000	90	568886	25.0	23.7	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	1289037	12.5	11.3	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	51	231651	12.5	11.9	
130 Pronamide	173	8.229	8.223	0.006	90	663198	12.5	12.2	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	725649	5.00	5.00	
132 Phenanthrene	178	8.334	8.328	0.006	98	1846969	12.5	11.5	
133 Dinoseb	211	8.334	8.334	0.000	91	365693	12.5	12.3	
134 Disulfoton	88	8.340	8.340	0.000	97	1013960	12.5	11.8	
135 Anthracene	178	8.380	8.380	0.000	99	1923570	12.5	12.2	
136 Carbazole	167	8.550	8.550	0.000	96	1779444	12.5	12.6	
137 Methyl parathion	109	8.696	8.696	0.000	89	594543	12.5	14.9	
138 Di-n-butyl phthalate	149	8.912	8.906	0.006	100	2237439	12.5	13.6	
139 Ethyl Parathion	109	9.069	9.069	0.000	80	344113	12.5	15.1	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	85	182500	12.5	13.1	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	184430	12.5	12.4	
143 Isodrin	193	9.309	9.309	0.000	92	267555	12.5	11.4	
144 Fluoranthene	202	9.455	9.455	0.000	98	2232712	12.5	12.7	
145 Benzidine	184	9.612	9.612	0.000	99	1663147	12.5	16.1	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	786341	5.00	5.00	
S 68 Diallate	86				0		12.5	13.4	
147 Pyrene	202	9.665	9.665	0.000	98	2354784	12.5	12.3	
200 Aramite Peak 1	185	9.846	9.836	0.010	0	70407	1.25	24.5	
192 Aramite Peak 2	185	9.846	9.859	-0.013	0	70407	1.25	30.7	
185 Aramite Peak 3	185	9.922	9.900	0.022	0	159992	5.00	10.9	
180 Aramite Peak 4	185	9.922	9.976	-0.054	0	159992	5.00	4.90	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	91	362982	12.5	14.5	
150 Chlorobenzilate	139	10.033	10.033	0.000	85	699374	12.5	13.6	
151 Famphur	218	10.272	10.302	-0.030	85	632663	12.5	9.40	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	1153284	12.5	12.9	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	938265	12.5	13.5	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	93	771470	12.5	13.0	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	1954895	12.5	12.9	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	77	1050825	12.5	19.0	
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	96	382256	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1831498	12.5	12.4	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	94	1213231	12.5	13.0	
S 94 Isosafrole	162				0		12.5	12.1	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	1203481	12.5	12.8	
S 103 Aramite, Total	185				0		12.5	71.1	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	1980257	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.152	12.147	0.005	82	751646	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.152	12.147	0.005	96	1829385	12.5	12.7	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	99	1684233	12.5	11.3	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	1632039	12.5	11.8	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	594225	5.00	5.00	
168 3-Methylcholanthrene	268	13.063	13.057	0.006	91	763193	12.5	12.3	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	1308614	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.881	13.875	0.006	96	1285508	12.5	12.1	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	100	1419098	12.5	11.2	
172 Dibenz(a,h)anthracene	278	14.149	14.144	0.005	92	1424607	12.5	11.9	
173 Benzo[g,h,i]perylene	276	14.459	14.453	0.006	99	1474516	12.5	11.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

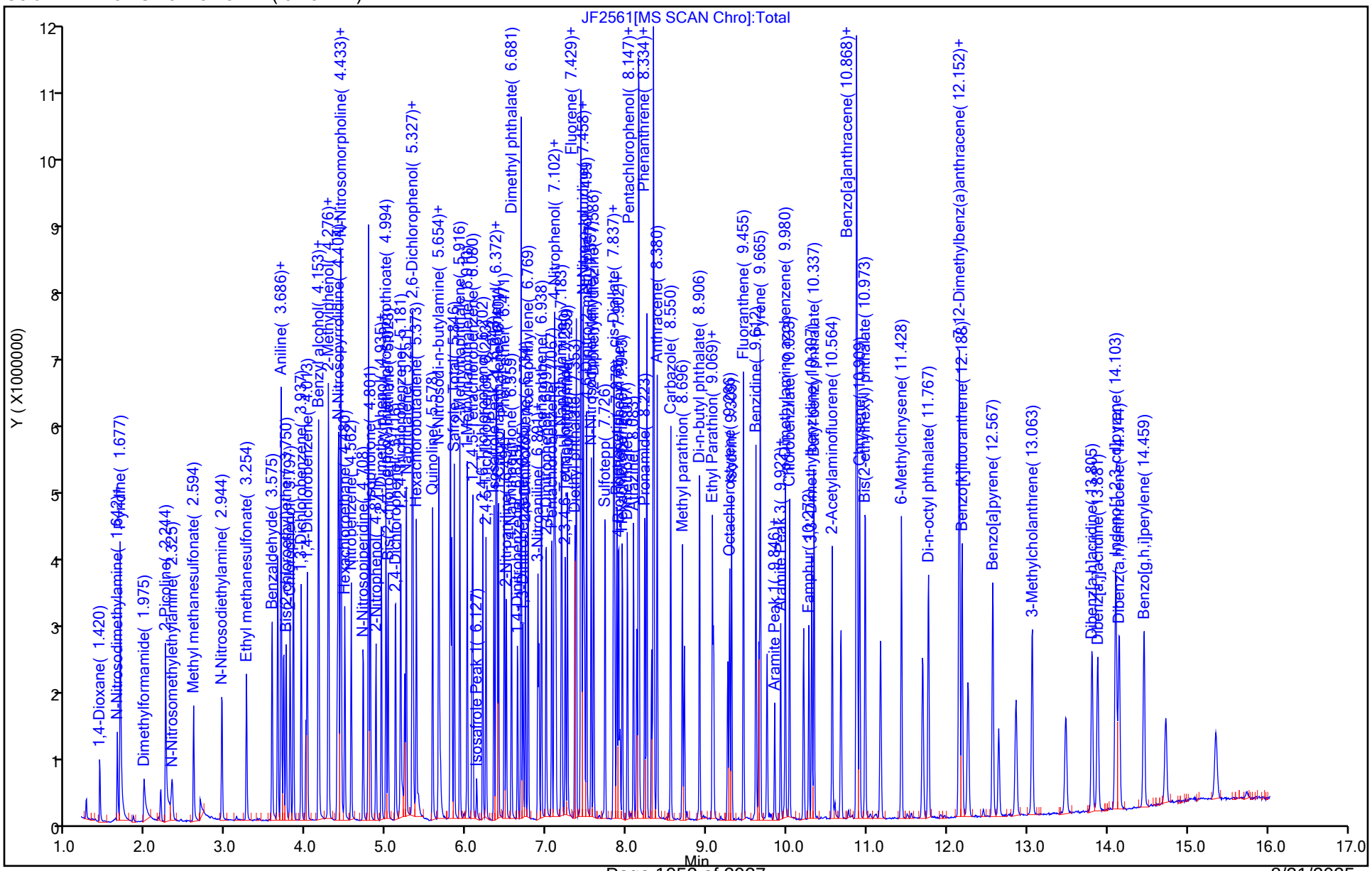
Report Date: 26-Jun-2025 11:07:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D

Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-663002/12
Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264
Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)
Calib End Date: 06/26/2025 01:38

Lab File ID: JF2561.D
Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6065	0.5702		11.8	12.5	-6.0	30.0
N-Nitrosodimethylamine	Ave	1.019	1.098		13.5	12.5	7.7	30.0
Pyridine	Ave	1.823	1.653		22.7	25.0	-9.3	30.0
N,N-dimethylformamide	Ave	1.182	1.301			12.5	10.0	30.0
2-Picoline	Ave	1.583	1.689		13.3	12.5	6.7	30.0
N-Nitrosomethylethylamine	Ave	0.7400	0.7361		12.4	12.5	-0.5	30.0
Methyl methanesulfonate	Ave	1.159	1.260		13.6	12.5	8.7	30.0
N-Nitrosodiethylamine	Ave	0.7371	0.7329		12.4	12.5	-0.6	30.0
Ethyl methanesulfonate	Ave	0.7105	0.7592		13.4	12.5	6.9	30.0
Benzaldehyde	Ave	1.563	1.460	0.0100	11.7	12.5	-6.6	30.0
Aniline	Ave	2.362	2.531		13.4	12.5	7.2	30.0
Phenol	Ave	2.148	2.376	0.8000	13.8	12.5	10.6	30.0
Bis(2-chloroethyl)ether	Ave	1.547	1.602	0.7000	12.9	12.5	3.6	30.0
2-Chlorophenol	Ave	1.209	1.262	0.8000	13.0	12.5	4.3	30.0
1,3-Dichlorobenzene	Ave	1.429	1.460		12.8	12.5	2.2	30.0
1,4-Dichlorobenzene	Ave	1.449	1.464		12.6	12.5	1.0	30.0
Benzyl alcohol	Ave	0.9290	1.054		14.2	12.5	13.4	30.0
1,2-Dichlorobenzene	Ave	1.358	1.384		12.7	12.5	1.9	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.831	2.990	0.0100	13.2	12.5	5.6	30.0
2-Methylphenol	Ave	1.372	1.400	0.7000	12.8	12.5	2.0	30.0
N-Nitrosopyrrolidine	Ave	0.8158	0.9202		14.1	12.5	12.8	30.0
Acetophenone	Ave	2.228	2.399	0.0100	13.5	12.5	7.7	30.0
N-Nitrosodi-n-propylamine	Ave	1.454	1.606	0.5000	13.8	12.5	10.5	30.0
N-Nitrosomorpholine	Ave	1.152	1.450		15.7	12.5	25.9	30.0
2-Toluidine	Ave	2.337	2.531		13.5	12.5	8.3	30.0
3,4-Methylphenol	Ave	1.464	1.638	0.6000	14.0	12.5	11.9	30.0
Hexachloroethane	Ave	0.7022	0.6748	0.3000	12.0	12.5	-3.9	30.0
Nitrobenzene	Ave	0.6208	0.6000	0.2000	12.1	12.5	-3.3	30.0
N-Nitrosopiperidine	Ave	0.2054	0.2011		12.2	12.5	-2.1	30.0
Isophorone	Ave	1.072	1.058	0.4000	12.3	12.5	-1.3	30.0
2-Nitrophenol	Ave	0.1801	0.1805	0.1000	12.5	12.5	0.2	30.0
2,4-Dimethylphenol	Ave	0.4434	0.4565	0.2000	12.9	12.5	3.0	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1982	0.1915		12.1	12.5	-3.4	30.0
Bis(2-chloroethoxy)methane	Ave	0.6145	0.6068	0.3000	12.3	12.5	-1.3	30.0
2,4-Dichlorophenol	Ave	0.3309	0.3393	0.2000	12.8	12.5	2.6	30.0
1,2,4-Trichlorobenzene	Ave	0.4043	0.3781		11.7	12.5	-6.5	30.0
Naphthalene	Ave	1.072	1.017	0.7000	11.9	12.5	-5.1	30.0
4-Chloroaniline	Ave	0.4205	0.4547	0.0100	13.5	12.5	8.1	30.0
2,6-Dichlorophenol	Ave	0.3395	0.3404		12.5	12.5	0.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachloropropene	Ave	0.3242	0.3251		12.5	12.5	0.3	30.0
Hexachlorobutadiene	Ave	0.2550	0.2477	0.0100	12.1	12.5	-2.9	30.0
Quinoline	Ave	0.6990	0.7014		12.5	12.5	0.3	30.0
N-Nitrosodi-n-butylamine	Ave	0.4721	0.4758		12.6	12.5	0.8	30.0
Caprolactam	Ave	0.0980	0.1034	0.0100	13.2	12.5	5.5	30.0
4-Chloro-3-methylphenol	Ave	0.4197	0.3933	0.2000	11.7	12.5	-6.3	30.0
Safrole, Total	Ave	0.2911	0.2930		12.6	12.5	0.6	30.0
2-Methylnaphthalene	Ave	0.6282	0.6792	0.4000	13.5	12.5	8.1	30.0
1-Methylnaphthalene	Ave	0.6879	0.6239		11.3	12.5	-9.3	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7422	0.7099	0.0100	12.0	12.5	-4.3	30.0
Isosafrole Peak 1	Ave	0.5729	0.5375		1.41	1.50	-6.2	30.0
2,4,6-Trichlorophenol	Ave	0.4121	0.4377	0.2000	13.3	12.5	6.2	30.0
2,4,5-Trichlorophenol	Ave	0.4596	0.4851	0.2000	13.2	12.5	5.5	30.0
Isosafrole Peak 2	Ave	0.6169	0.5981		10.7	11.0	-3.0	30.0
1,1'-Biphenyl	Ave	1.442	1.455	0.0100	12.6	12.5	0.9	30.0
2-Chloronaphthalene	Ave	1.201	1.185	0.8000	12.3	12.5	-1.3	30.0
1-Chloronaphthalene	Ave	1.228	1.221		12.4	12.5	-0.6	30.0
Diphenyl ether	Ave	0.8978	0.8302		11.6	12.5	-7.5	30.0
2-Nitroaniline	Ave	0.3401	0.3662	0.0100	13.5	12.5	7.7	30.0
1,4-Naphthoquinone	Ave	0.4526	0.5041			12.5	11.4	30.0
1,4-Dinitrobenzene	Ave	0.1785	0.1929		13.5	12.5	8.1	30.0
Dimethyl phthalate	Ave	1.435	1.411	0.0100	12.3	12.5	-1.7	30.0
1,3-Dinitrobenzene	Ave	0.1883	0.2022		13.4	12.5	7.4	30.0
2,6-Dinitrotoluene	Ave	0.3067	0.3206	0.2000	13.1	12.5	4.5	30.0
Acenaphthylene	Ave	1.894	1.911	0.9000	12.6	12.5	0.9	30.0
3-Nitroaniline	Ave	0.2952	0.3211	0.0100	13.6	12.5	8.8	30.0
Acenaphthene	Ave	1.232	1.163	0.9000	11.8	12.5	-5.5	30.0
2,4-Dinitrophenol	Ave	0.1998	0.2019	0.0100	25.3	25.0	1.1	30.0
Pentachlorobenzene	Ave	0.6162	0.6118		12.4	12.5	-0.7	30.0
4-Nitrophenol	Ave	0.2360	0.2672	0.0100	28.3	25.0	13.2	30.0
Dibenzofuran	Ave	1.716	1.667	0.8000	12.1	12.5	-2.9	30.0
2,4-Dinitrotoluene	Ave	0.4214	0.4313	0.2000	12.8	12.5	2.3	30.0
1-Naphthylamine	Ave	1.110	1.010		11.4	12.5	-9.0	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3995	0.4008	0.0100	12.5	12.5	0.3	30.0
2-Naphthylamine	Ave	1.159	1.207		13.0	12.5	4.2	30.0
Diethyl phthalate	Ave	1.437	1.386	0.0100	12.1	12.5	-3.6	30.0
Fluorene	Ave	1.311	1.285	0.9000	12.3	12.5	-2.0	30.0
Thionazin	Ave	0.2653	0.2786		13.1	12.5	5.0	30.0
4-Chlorophenyl phenyl ether	Ave	0.7055	0.6663	0.4000	11.8	12.5	-5.6	30.0
5-Nitro-o-toluidine	Ave	0.3654	0.3859		13.2	12.5	5.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroaniline	Ave	0.2840	0.2903	0.0100	12.8	12.5	2.2	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1382	0.1370	0.0100	24.8	25.0	-0.8	30.0
N-Nitrosodiphenylamine	Ave	0.5805	0.5727	0.0100	10.5	10.6	-1.3	30.0
1,2-Diphenylhydrazine	Ave	1.139	1.102		12.1	12.5	-3.3	30.0
Sulfotepp	Ave	0.1967	0.2017		12.8	12.5	2.5	30.0
cis-Diallate	Ave	0.3849	0.4178		10.2	9.38	8.6	30.0
Phorate	Ave	0.9677	0.999		12.9	12.5	3.2	30.0
1,3,5-Trinitrobenzene	Ave	0.0719	0.0728			12.5	1.2	30.0
Phenacetin	Ave	0.4359	0.4526		13.0	12.5	3.8	30.0
4-Bromophenyl phenyl ether	Ave	0.2247	0.2213	0.1000	12.3	12.5	-1.5	30.0
trans-Diallate	Ave	0.3953	0.4106		3.25	3.13	3.9	30.0
Hexachlorobenzene	Ave	0.2688	0.2458	0.1000	11.4	12.5	-8.5	30.0
Dimethoate	Ave	0.3682	0.3938		13.4	12.5	6.9	30.0
Atrazine	Ave	0.2232	0.2119	0.0100	11.9	12.5	-5.1	30.0
Pentachlorophenol	Ave	0.1657	0.1568	0.0500	23.7	25.0	-5.4	30.0
4-Aminobiphenyl	Ave	0.7882	0.7106		11.3	12.5	-9.8	30.0
Pentachloronitrobenzene	Ave	0.1344	0.1277		11.9	12.5	-5.0	30.0
Pronamide	Ave	0.3739	0.3656		12.2	12.5	-2.2	30.0
Dinoseb	Ave	0.2051	0.2016		12.3	12.5	-1.7	30.0
Phenanthrene	Ave	1.105	1.018	0.7000	11.5	12.5	-7.8	30.0
Disulfoton	Ave	0.5922	0.5589			12.5	-5.6	30.0
Anthracene	Ave	1.084	1.060	0.7000	12.2	12.5	-2.2	30.0
Carbazole	Ave	0.9697	0.9809	0.0100	12.6	12.5	1.2	30.0
Methyl parathion	Ave	0.2758	0.3277		14.9	12.5	18.8	30.0
Di-n-butyl phthalate	Ave	1.138	1.233	0.0100	13.6	12.5	8.4	30.0
Parathion	Ave	0.1575	0.1897		15.1	12.5	20.4	30.0
4-Nitroquinoline-1-oxide	Ave	0.0956	0.1006			12.5	5.2	30.0
Octachlorostyrene	Ave	0.1023	0.1017		12.4	12.5	-0.7	30.0
Isodrin	Ave	0.1617	0.1475		11.4	12.5	-8.8	30.0
Fluoranthene	Ave	1.215	1.231	0.6000	12.7	12.5	1.3	30.0
Benzidine	Ave	0.6554	0.8460		16.1	12.5	29.1	30.0
Pyrene	Ave	1.222	1.198	0.6000	12.3	12.5	-2.0	30.0
p-Dimethylamino azobenzene	Ave	0.1592	0.1846		14.5	12.5	16.0	30.0
Chlorobenzilate	Ave	0.3268	0.3558		13.6	12.5	8.9	30.0
3,3'-Dimethylbenzidine	Ave	0.5672	0.5867			12.5	3.4	30.0
Butyl benzyl phthalate	Ave	0.4430	0.4773	0.0100	13.5	12.5	7.7	30.0
2-Acetylaminofluorene	Ave	0.3770	0.3924		13.0	12.5	4.1	30.0
3,3'-Dichlorobenzidine	Ave	0.3519	0.5345	0.0100	19.0	12.5	51.9*	30.0
Benzo[a]anthracene	Ave	0.9660	0.9944	0.8000	12.9	12.5	2.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICV 410-663002/12 Calibration Date: 06/26/2025 02:43

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: JF2561.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1883	0.1944			12.5	3.3	30.0
Chrysene	Ave	0.9387	0.9317	0.7000	12.4	12.5	-0.8	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.5917	0.6172	0.0100	13.0	12.5	4.3	30.0
6-Methylchrysene	Ave	0.5985	0.6122		12.8	12.5	2.3	30.0
Di-n-octyl phthalate	Ave	1.298	1.333	0.0100	12.8	12.5	2.7	30.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4799	0.5060		13.2	12.5	5.4	30.0
Benzo[b]fluoranthene	Ave	1.216	1.231	0.7000	12.7	12.5	1.2	30.0
Benzo[k]fluoranthene	Ave	1.256	1.134	0.7000	11.3	12.5	-9.8	30.0
Benzo[a]pyrene	Ave	1.162	1.099	0.7000	11.8	12.5	-5.4	30.0
3-Methylcholanthrene	Ave	0.5205	0.5137		12.3	12.5	-1.3	30.0
Dibenz[a,h]acridine	Ave	0.8851	0.8809		12.4	12.5	-0.5	30.0
Dibenz[a,j]acridine	Ave	0.8940	0.8653		12.1	12.5	-3.2	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.067	0.9553	0.5000	11.2	12.5	-10.5	30.0
Dibenz(a,h)anthracene	Ave	1.006	0.9590	0.4000	11.9	12.5	-4.7	30.0
Benzo[g,h,i]perylene	Ave	1.088	0.9926	0.5000	11.4	12.5	-8.8	30.0
1,4-phenylenediamine	Ave	0.3460				12.5		
Hexachlorocyclopentadiene	Ave	0.5259				12.5		

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D
Lims ID: ICV FULL
Client ID:
Sample Type: ICV
Inject. Date: 26-Jun-2025 02:43:30 ALS Bottle#: 11 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ICV FULL
Misc. Info.: 410-0151575-012
Operator ID: IR93211 Instrument ID: HP23264
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 10:32:41 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: W6ZA Date: 26-Jun-2025 09:59:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.420	1.426	-0.006	97	254496	12.5	11.8	
2 N-Nitrosodimethylamine	74	1.642	1.648	-0.006	94	489877	12.5	13.5	
3 Pyridine	79	1.677	1.683	-0.006	91	1475389	25.0	22.7	
4 Dimethylformamide	73	1.975	1.998	-0.023	97	580546	12.5	13.8	
5 2-Picoline	93	2.244	2.249	-0.005	93	753825	12.5	13.3	
6 N-Nitrosomethylethylamine	88	2.325	2.325	0.000	95	328526	12.5	12.4	
7 Methyl methanesulfonate	80	2.594	2.594	0.000	86	562467	12.5	13.6	
11 N-Nitrosodiethylamine	102	2.950	2.944	0.006	90	327122	12.5	12.4	
12 Ethyl methanesulfonate	109	3.254	3.254	0.000	92	338830	12.5	13.4	
13 Benzaldehyde	77	3.575	3.575	0.000	88	651667	12.5	11.7	
17 Aniline	93	3.686	3.686	0.000	68	1129827	12.5	13.4	
16 Phenol	94	3.686	3.686	0.000	78	1060592	12.5	13.8	
18 Bis(2-chloroethyl)ether	93	3.750	3.750	0.000	87	715151	12.5	12.9	
19 2-Chlorophenol	128	3.797	3.797	0.000	88	563163	12.5	13.0	
21 1,3-Dichlorobenzene	146	3.937	3.937	0.000	92	651847	12.5	12.8	
* 22 1,4-Dichlorobenzene-d4	152	3.995	3.995	0.000	92	178528	5.00	5.00	
23 1,4-Dichlorobenzene	146	4.013	4.013	0.000	88	653319	12.5	12.6	
26 Benzyl alcohol	108	4.153	4.153	0.000	85	470352	12.5	14.2	
27 1,2-Dichlorobenzene	146	4.159	4.159	0.000	91	617671	12.5	12.7	
28 Indene	115		4.241				ND	ND	
30 2,2'-oxybis[1-chloropropane]	45	4.276	4.276	0.000	92	1334296	12.5	13.2	
29 2-Methylphenol	108	4.276	4.276	0.000	95	624650	12.5	12.8	
31 N-Nitrosopyrrolidine	100	4.387	4.387	0.000	81	410716	12.5	14.1	
32 Acetophenone	105	4.398	4.398	0.000	88	1070940	12.5	13.5	
33 N-Nitrosodi-n-propylamine	70	4.410	4.404	0.006	85	716852	12.5	13.8	
35 N-Nitrosomorpholine	56	4.427	4.427	0.000	87	647359	12.5	15.7	
34 4-Methylphenol	108	4.433	4.433	0.000	83	731001	12.5	14.0	
36 2-Toluidine	106	4.433	4.433	0.000	82	1129747	12.5	13.5	
37 Hexachloroethane	117	4.480	4.480	0.000	94	301178	12.5	12.0	
40 Nitrobenzene	77	4.562	4.562	0.000	88	966024	12.5	12.1	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	41 N-Nitrosopiperidine	114	4.714	4.708	0.006	78	323825	12.5	12.2	
	42 Isophorone	82	4.801	4.795	0.006	98	1703242	12.5	12.3	
	43 2-Nitrophenol	139	4.871	4.871	0.000	84	290548	12.5	12.5	
	44 2,4-Dimethylphenol	107	4.935	4.935	0.000	97	734866	12.5	12.9	
	46 o,o',o''-Triethylphosphorothioat	198	4.994	4.994	0.000	93	308255	12.5	12.1	
	47 Bis(2-chloroethoxy)methane	93	5.023	5.023	0.000	93	976870	12.5	12.3	
	48 Benzoic acid	105		5.046				12.5	ND	7
	49 2,4-Dichlorophenol	162	5.116	5.116	0.000	96	546323	12.5	12.8	
	50 1,2,4-Trichlorobenzene	180	5.181	5.181	0.000	93	608654	12.5	11.7	
*	52 Naphthalene-d8	136	5.227	5.227	0.000	98	643974	5.00	5.00	
	53 Naphthalene	128	5.251	5.251	0.000	98	1637493	12.5	11.9	
	56 4-Chloroaniline	127	5.321	5.321	0.000	91	732024	12.5	13.5	
	57 2,6-Dichlorophenol	162	5.327	5.327	0.000	88	547965	12.5	12.5	
	58 Hexachloropropene	213	5.332	5.332	0.000	97	523392	12.5	12.5	
	59 Hexachlorobutadiene	225	5.373	5.373	0.000	95	398784	12.5	12.1	
	61 Quinoline	129	5.578	5.578	0.000	92	1129163	12.5	12.5	
	63 N-Nitrosodi-n-butylamine	84	5.654	5.654	0.000	92	765933	12.5	12.6	
	62 Caprolactam	113	5.659	5.654	0.005	68	166450	12.5	13.2	
	64 p-Phenylene diamine	108		5.671				ND	ND	U
	65 4-Chloro-3-methylphenol	107	5.817	5.817	0.000	92	633197	12.5	11.7	
	66 Safrole, Total	162	5.846	5.846	0.000	81	471653	12.5	12.6	
	67 2-Methylnaphthalene	142	5.916	5.916	0.000	90	1093480	12.5	13.5	
	69 1-Methylnaphthalene	142	6.010	6.010	0.000	91	1004452	12.5	11.3	
	71 Hexachlorocyclopentadiene	237		6.068				ND	ND	U
	70 1,2,4,5-Tetrachlorobenzene	216	6.080	6.080	0.000	98	684146	12.5	12.0	a
	72 Isosafrole Peak 1	162	6.127	6.127	0.000	82	62165	1.50	1.41	
	79 2,4,6-Trichlorophenol	196	6.202	6.202	0.000	95	421855	12.5	13.3	
	80 2,4,5-Trichlorophenol	196	6.243	6.243	0.000	93	467484	12.5	13.2	
	82 Isosafrole Peak 2	162	6.343	6.343	0.000	86	507246	11.0	10.7	
	83 1,1'-Biphenyl	154	6.366	6.366	0.000	96	1402044	12.5	12.6	
	84 2-Chloronaphthalene	162	6.378	6.378	0.000	96	1141722	12.5	12.3	
	85 1-Chloronaphthalene	162	6.401	6.395	0.006	98	1176600	12.5	12.4	
	86 Phenyl ether	170	6.471	6.471	0.000	90	800053	12.5	11.6	
	87 2-Nitroaniline	138	6.494	6.494	0.000	72	352886	12.5	13.5	
	88 1,4-Naphthoquinone	158	6.565	6.559	0.005	73	485784	12.5	13.9	
	89 1,4-Dinitrobenzene	168	6.640	6.635	0.005	85	185893	12.5	13.5	
	90 Dimethyl phthalate	163	6.681	6.681	0.000	95	1359721	12.5	12.3	
	91 1,3-Dinitrobenzene	168	6.705	6.705	0.000	79	194847	12.5	13.4	
	92 2,6-Dinitrotoluene	165	6.734	6.734	0.000	81	308968	12.5	13.1	
	93 Acenaphthylene	152	6.769	6.769	0.000	98	1841990	12.5	12.6	
	95 3-Nitroaniline	138	6.891	6.891	0.000	85	309469	12.5	13.6	
*	96 Acenaphthene-d10	164	6.903	6.903	0.000	95	385493	5.00	5.00	
	97 Acenaphthene	153	6.938	6.932	0.006	98	1121196	12.5	11.8	
	98 2,4-Dinitrophenol	184	6.997	6.991	0.006	74	389116	25.0	25.3	
	99 Pentachlorobenzene	250	7.067	7.061	0.006	97	589632	12.5	12.4	
	100 4-Nitrophenol	109	7.096	7.090	0.006	87	515032	25.0	28.3	
	101 Dibenzofuran	168	7.102	7.102	0.000	97	1606426	12.5	12.1	
	102 2,4-Dinitrotoluene	165	7.113	7.113	0.000	85	415660	12.5	12.8	
	104 1-Naphthylamine	143	7.183	7.183	0.000	97	973553	12.5	11.4	
	105 2,3,4,6-Tetrachlorophenol	232	7.236	7.230	0.006	75	386311	12.5	12.5	
	106 2-Naphthylamine	143	7.259	7.259	0.000	95	1163542	12.5	13.0	
	107 Diethyl phthalate	149	7.353	7.353	0.000	95	1335597	12.5	12.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Fluorene	166	7.429	7.423	0.006	92	1238670	12.5	12.3	
109 Thionazin	107	7.429	7.423	0.006	73	268526	12.5	13.1	
110 4-Chlorophenyl phenyl ether	204	7.440	7.440	0.000	93	642121	12.5	11.8	
111 N-Nitro-o-toluidine	152	7.458	7.458	0.000	72	371940	12.5	13.2	
112 4-Nitroaniline	138	7.475	7.470	0.005	76	279781	12.5	12.8	
113 4,6-Dinitro-2-methylphenol	198	7.499	7.499	0.000	68	497245	25.0	24.8	
114 N-Nitrosodiphenylamine	169	7.557	7.557	0.000	67	883090	10.6	10.5	
115 1,2-Diphenylhydrazine	77	7.586	7.586	0.000	99	1998495	12.5	12.1	
117 Sulfotepp	97	7.726	7.726	0.000	76	365819	12.5	12.8	
120 cis-Diallate	86	7.832	7.832	0.000	96	568477	9.38	10.2	
119 Phorate	75	7.843	7.843	0.000	93	1812468	12.5	12.9	
118 1,3,5-Trinitrobenzene	213	7.855	7.849	0.006	81	132089	12.5	12.7	a
121 Phenacetin	108	7.878	7.872	0.006	89	821132	12.5	13.0	
122 4-Bromophenyl phenyl ether	248	7.902	7.902	0.000	72	401529	12.5	12.3	
123 trans-Diallate	86	7.919	7.913	0.006	97	186205	3.13	3.25	
124 Hexachlorobenzene	284	7.948	7.942	0.006	94	445987	12.5	11.4	
125 Dimethoate	87	8.007	8.007	0.000	95	714422	12.5	13.4	
126 Atrazine	200	8.083	8.083	0.000	85	384344	12.5	11.9	
127 Pentachlorophenol	266	8.147	8.147	0.000	90	568886	25.0	23.7	
129 4-Aminobiphenyl	169	8.153	8.147	0.006	91	1289037	12.5	11.3	
128 Pentachloronitrobenzene	237	8.153	8.153	0.000	51	231651	12.5	11.9	
130 Pronamide	173	8.229	8.223	0.006	90	663198	12.5	12.2	
* 131 Phenanthrene-d10	188	8.310	8.310	0.000	98	725649	5.00	5.00	
132 Phenanthrene	178	8.334	8.328	0.006	98	1846969	12.5	11.5	
133 Dinoseb	211	8.334	8.334	0.000	91	365693	12.5	12.3	
134 Disulfoton	88	8.340	8.340	0.000	97	1013960	12.5	11.8	
135 Anthracene	178	8.380	8.380	0.000	99	1923570	12.5	12.2	
136 Carbazole	167	8.550	8.550	0.000	96	1779444	12.5	12.6	
137 Methyl parathion	109	8.696	8.696	0.000	89	594543	12.5	14.9	
138 Di-n-butyl phthalate	149	8.912	8.906	0.006	100	2237439	12.5	13.6	
139 Ethyl Parathion	109	9.069	9.069	0.000	80	344113	12.5	15.1	
140 4-Nitroquinoline-1-oxide	190	9.087	9.081	0.006	85	182500	12.5	13.1	
142 Octachlorostyrene	308	9.286	9.285	0.001	90	184430	12.5	12.4	
143 Isodrin	193	9.309	9.309	0.000	92	267555	12.5	11.4	
144 Fluoranthene	202	9.455	9.455	0.000	98	2232712	12.5	12.7	
145 Benzidine	184	9.612	9.612	0.000	99	1663147	12.5	16.1	
* 146 Pyrene-d10 (IS)	212	9.648	9.647	0.001	98	786341	5.00	5.00	
S 68 Diallate	86				0		12.5	13.4	
147 Pyrene	202	9.665	9.665	0.000	98	2354784	12.5	12.3	
200 Aramite Peak 1	185	9.846	9.836	0.010	0	70407	1.25	24.5	
192 Aramite Peak 2	185	9.846	9.859	-0.013	0	70407	1.25	30.7	
185 Aramite Peak 3	185	9.922	9.900	0.022	0	159992	5.00	10.9	
180 Aramite Peak 4	185	9.922	9.976	-0.054	0	159992	5.00	4.90	
149 p-Dimethylamino azobenzene	225	9.980	9.980	0.000	91	362982	12.5	14.5	
150 Chlorobenzilate	139	10.033	10.033	0.000	85	699374	12.5	13.6	
151 Famphur	218	10.272	10.302	-0.030	85	632663	12.5	9.40	
152 3,3'-Dimethylbenzidine	212	10.307	10.307	0.000	99	1153284	12.5	12.9	
153 Butyl benzyl phthalate	149	10.337	10.337	0.001	93	938265	12.5	13.5	
155 2-Acetylaminofluorene	181	10.564	10.564	0.000	93	771470	12.5	13.0	
156 Benzo[a]anthracene	228	10.868	10.868	0.000	99	1954895	12.5	12.9	
157 3,3'-Dichlorobenzidine	252	10.868	10.868	0.000	77	1050825	12.5	19.0	
158 4,4'-Methylene bis(2-chloroanil	231	10.880	10.880	0.000	96	382256	12.5	12.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.909	10.909	0.000	97	1831498	12.5	12.4	
160 Bis(2-ethylhexyl) phthalate	149	10.979	10.979	0.000	94	1213231	12.5	13.0	
S 94 Isosafrole	162				0		12.5	12.1	
161 6-Methylchrysene	242	11.428	11.428	0.000	98	1203481	12.5	12.8	
S 103 Aramite, Total	185				0		12.5	71.1	
162 Di-n-octyl phthalate	149	11.767	11.767	0.000	99	1980257	12.5	12.8	
163 7,12-Dimethylbenz(a)anthracene	256	12.152	12.147	0.005	82	751646	12.5	13.2	
164 Benzo[b]fluoranthene	252	12.152	12.147	0.005	96	1829385	12.5	12.7	
165 Benzo[k]fluoranthene	252	12.188	12.182	0.006	99	1684233	12.5	11.3	
166 Benzo[a]pyrene	252	12.567	12.567	0.000	77	1632039	12.5	11.8	
* 167 Perylene-d12	264	12.643	12.643	0.000	98	594225	5.00	5.00	
168 3-Methylcholanthrene	268	13.063	13.057	0.006	91	763193	12.5	12.3	
169 Dibenz[a,h]acridine	279	13.805	13.805	0.000	91	1308614	12.5	12.4	
170 Dibenz[a,j]acridine	279	13.881	13.875	0.006	96	1285508	12.5	12.1	
171 Indeno[1,2,3-cd]pyrene	276	14.103	14.103	0.000	100	1419098	12.5	11.2	
172 Dibenz(a,h)anthracene	278	14.149	14.144	0.005	92	1424607	12.5	11.9	
173 Benzo[g,h,i]perylene	276	14.459	14.453	0.006	99	1474516	12.5	11.4	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

a - User Assigned ID

Reagents:

MSS_RV8270ICV_00037 Amount Added: 1.00 Units: mL

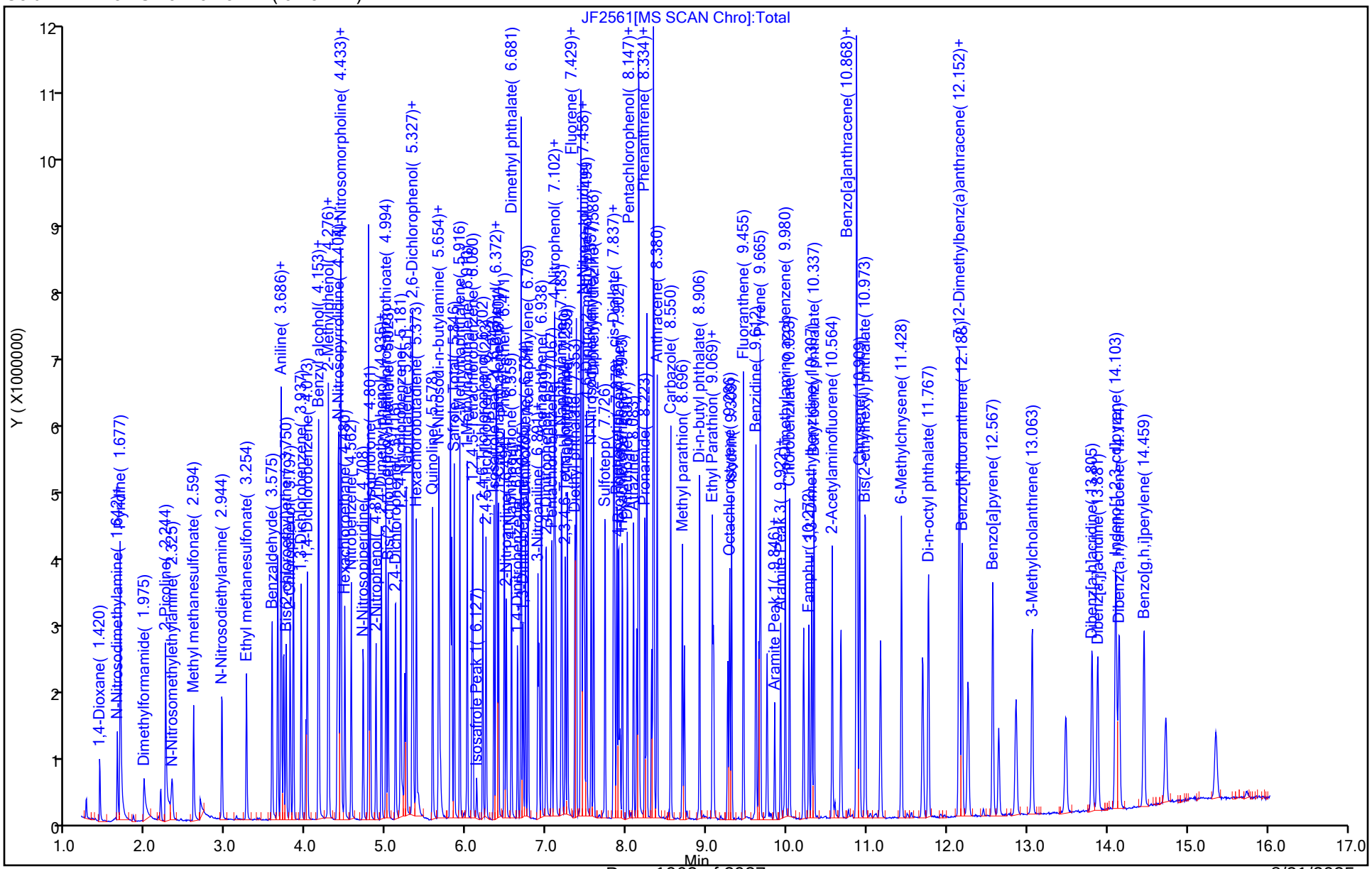
Report Date: 26-Jun-2025 11:07:43 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	ICV FULL			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

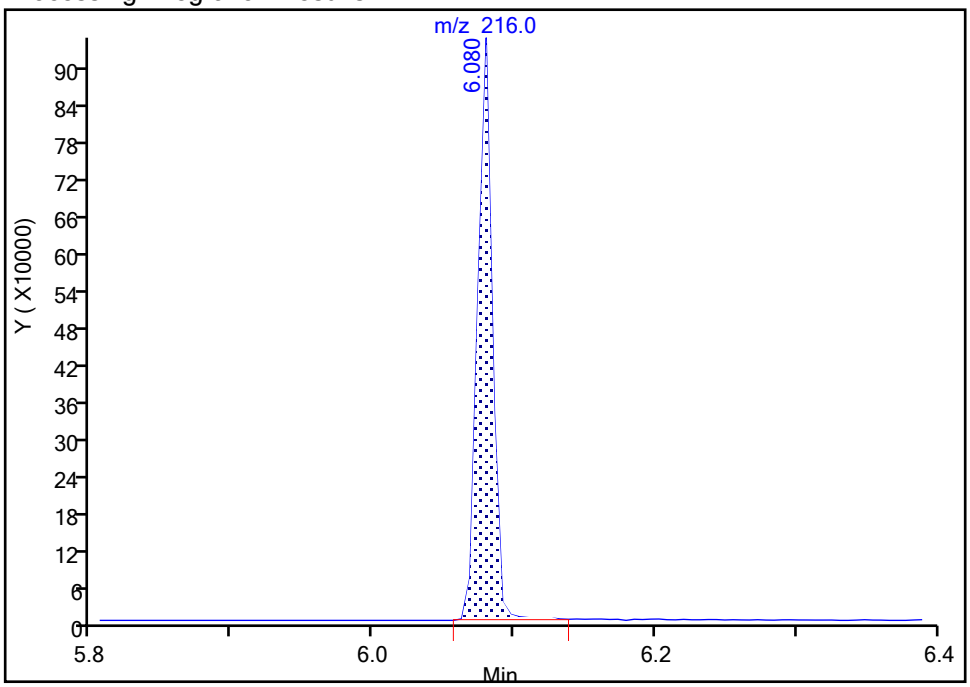
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Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

70 1,2,4,5-Tetrachlorobenzene, CAS: 95-94-3

Signal: 1

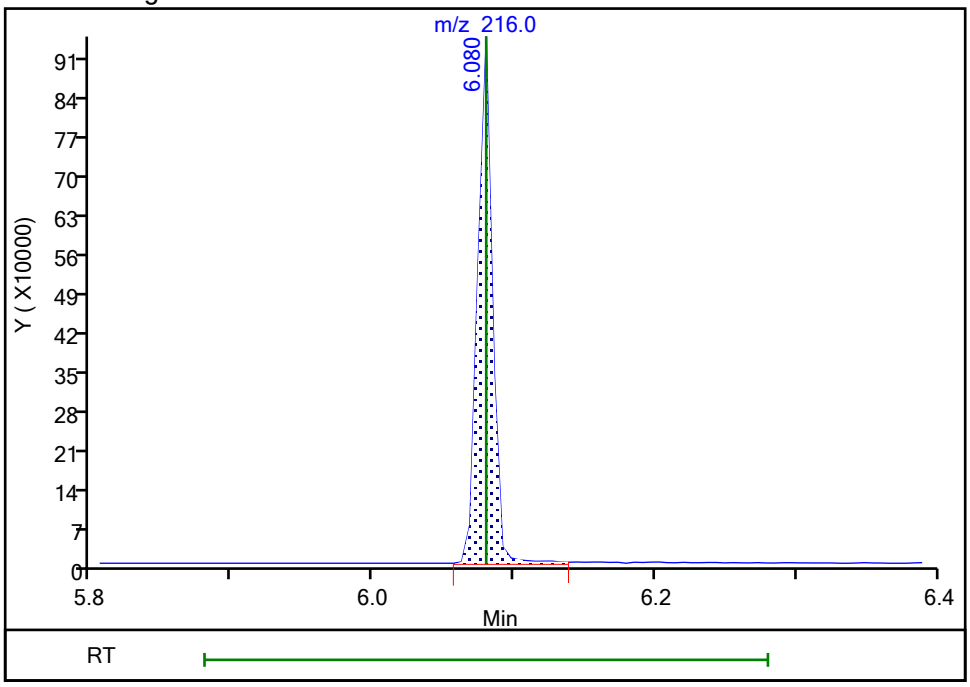
Processing Integration Results

RT: 6.08
Area: 684146
Amount: 11.956293
Amount Units: ug/ml



Manual Integration Results

RT: 6.08
Area: 684146
Amount: 11.956293
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:57:49 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

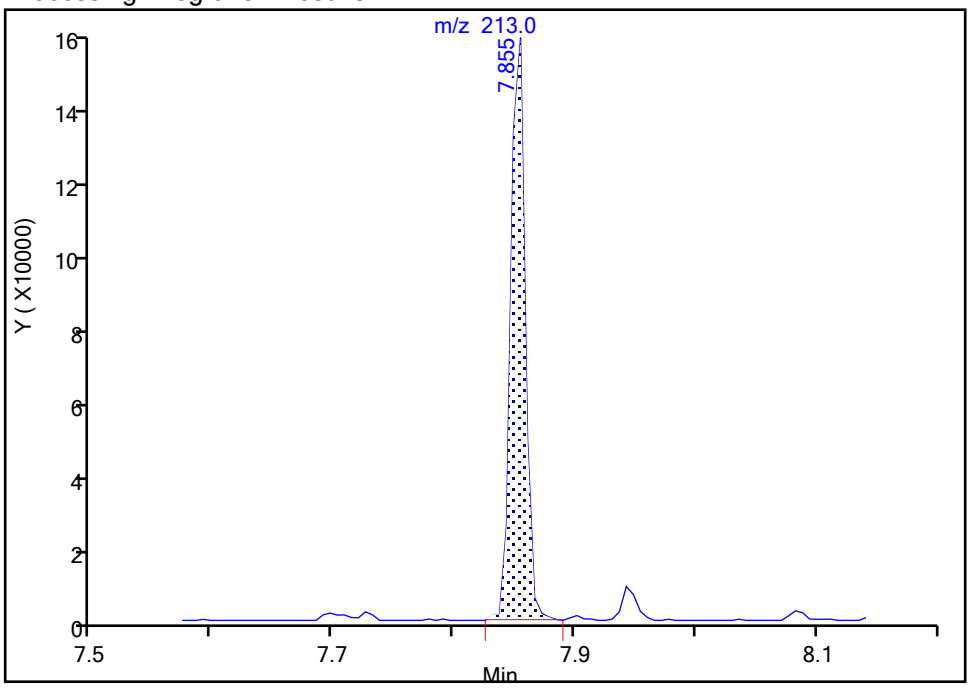
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Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

118 1,3,5-Trinitrobenzene, CAS: 99-35-4

Signal: 1

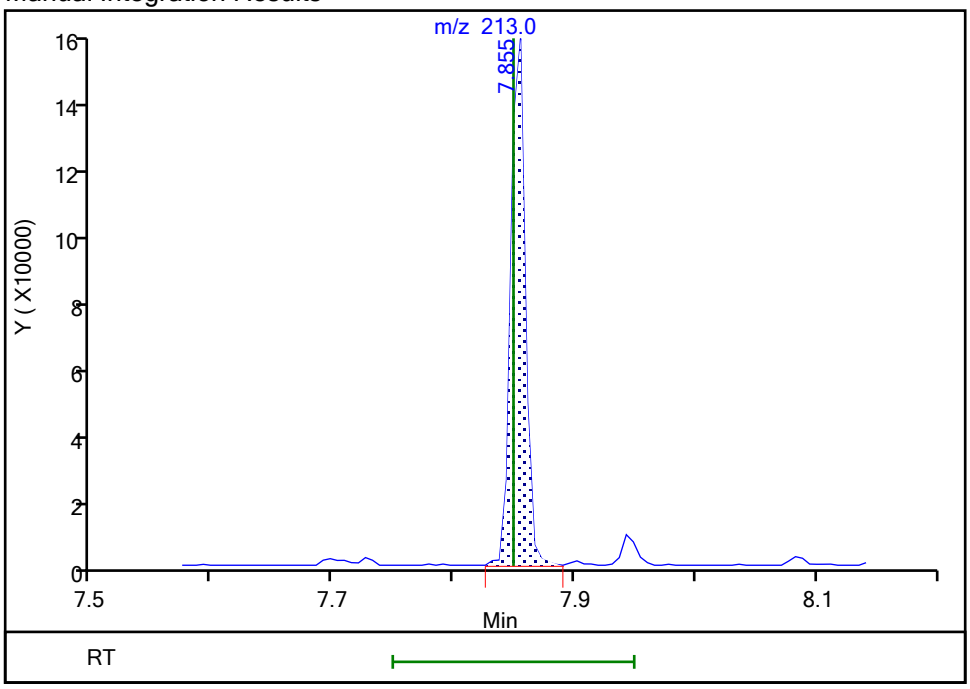
Processing Integration Results

RT: 7.85
Area: 132089
Amount: 11.645458
Amount Units: ug/ml



Manual Integration Results

RT: 7.85
Area: 132089
Amount: 12.650872
Amount Units: ug/ml



Reviewer: W6ZA, 26-Jun-2025 09:58:06 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

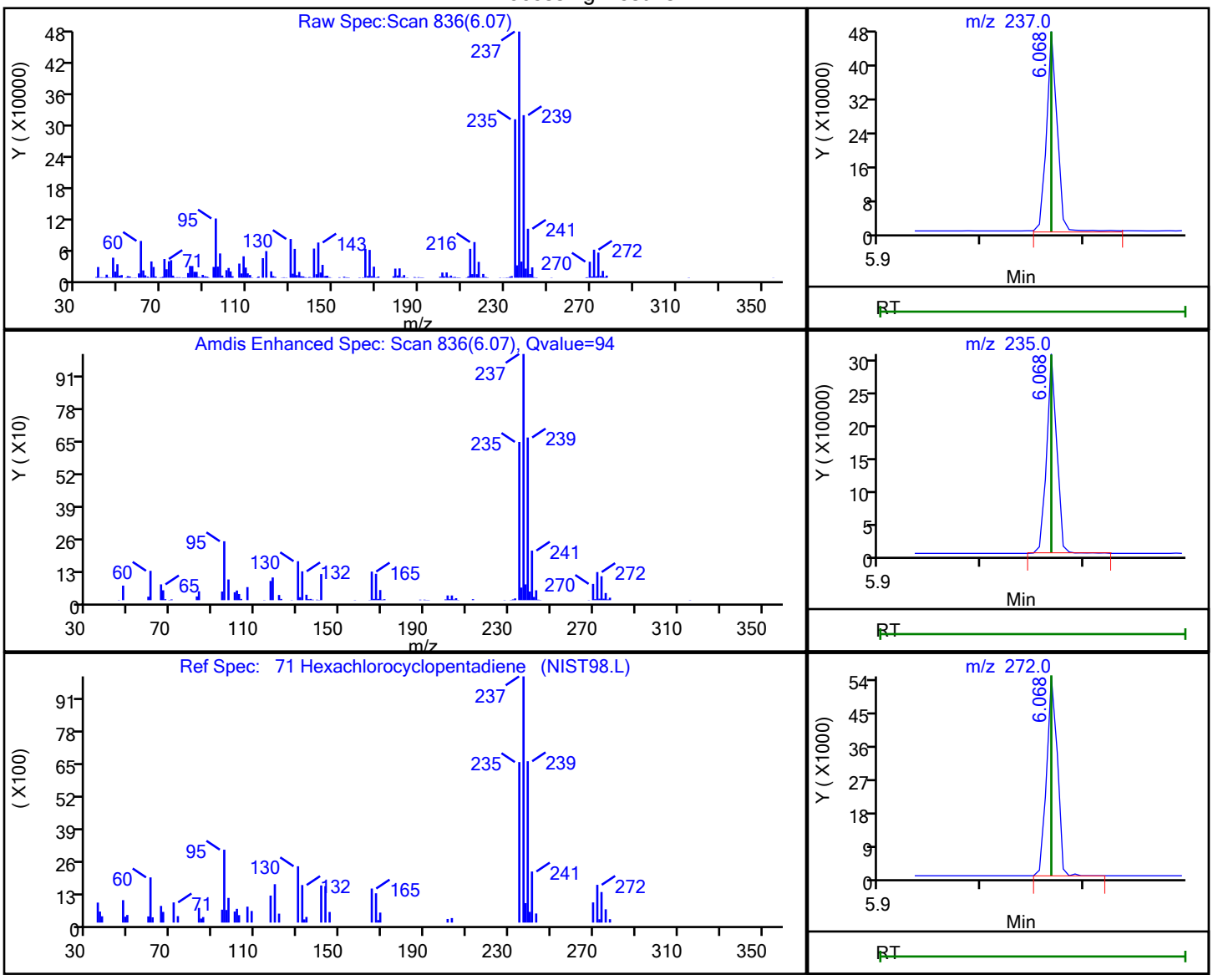
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D				
Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

71 Hexachlorocyclopentadiene, CAS: 77-47-4

Processing Results



RT	Mass	Response	Amount
6.07	237.00	338213	8.341555
6.07	235.00	211357	
6.07	272.00	39625	

Reviewer: W6ZA, 26-Jun-2025 10:28:16 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

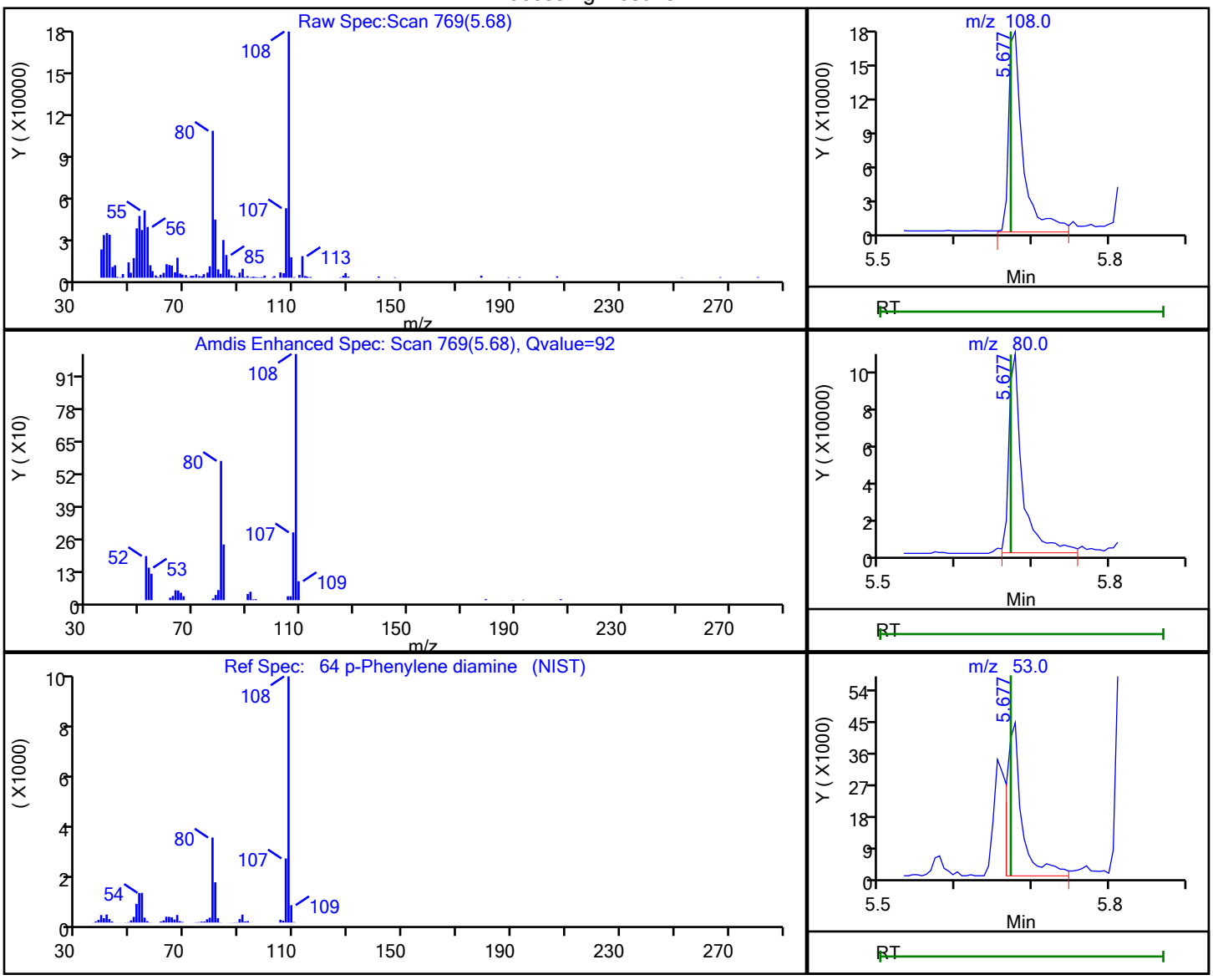
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2561.D				
Injection Date:	26-Jun-2025 02:43:30	Instrument ID:	HP23264		
Lims ID:	ICV FULL				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	11	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

64 p-Phenylene diamine, CAS: 106-50-3

Processing Results



RT	Mass	Response	Amount
5.68	108.00	227919	4.973139
5.68	80.00	131485	
5.68	53.00	54111	
5.65	54.00	73739	
5.67	52.00	61096	

Reviewer: W6ZA, 26-Jun-2025 10:28:17 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-681375/2 Calibration Date: 08/06/2025 07:51

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6065	0.5974		12.3	12.5	-1.5	20.0
N-Nitrosodimethylamine	Ave	1.019	1.025		12.6	12.5	0.6	20.0
Pyridine	Ave	1.823	1.709		23.4	25.0	-6.2	20.0
N,N-dimethylformamide	Ave	1.182	1.058			12.5	-10.5	20.0
2-Picoline	Ave	1.583	1.603		12.7	12.5	1.3	20.0
N-Nitrosomethylethylamine	Ave	0.7400	0.7129		12.0	12.5	-3.7	20.0
Methyl methanesulfonate	Ave	1.159	1.018		11.0	12.5	-12.2	20.0
N-Nitrosodiethylamine	Ave	0.7371	0.6832		11.6	12.5	-7.3	20.0
Ethyl methanesulfonate	Ave	0.7105	0.6453		11.4	12.5	-9.2	20.0
Benzaldehyde	Ave	1.563	1.295	0.0100	10.4	12.5	-17.1	20.0
Aniline	Ave	2.362	2.529		13.4	12.5	7.1	20.0
Phenol	Ave	2.148	2.281	0.8000	13.3	12.5	6.2	20.0
Bis(2-chloroethyl)ether	Ave	1.547	1.491	0.7000	12.0	12.5	-3.6	20.0
2-Chlorophenol	Ave	1.209	1.303	0.8000	13.5	12.5	7.7	20.0
1,3-Dichlorobenzene	Ave	1.429	1.525		13.3	12.5	6.7	20.0
1,4-Dichlorobenzene	Ave	1.449	1.500		12.9	12.5	3.5	20.0
Benzyl alcohol	Ave	0.9290	1.010		13.6	12.5	8.7	20.0
1,2-Dichlorobenzene	Ave	1.358	1.439		13.2	12.5	6.0	20.0
2-Methylphenol	Ave	1.372	1.413	0.7000	12.9	12.5	3.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.831	2.020	0.0100	8.92	12.5	-28.6*	20.0
N-Nitrosopyrrolidine	Ave	0.8158	0.7755		11.9	12.5	-4.9	20.0
Acetophenone	Ave	2.228	2.246	0.0100	12.6	12.5	0.8	20.0
N-Nitrosodi-n-propylamine	Ave	1.454	1.307	0.5000	11.2	12.5	-10.1	20.0
3,4-Methylphenol	Ave	1.464	1.579	0.6000	13.5	12.5	7.9	20.0
N-Nitrosomorpholine	Ave	1.152	0.9572		10.4	12.5	-16.9	20.0
2-Toluidine	Ave	2.337	2.321		12.4	12.5	-0.7	20.0
Hexachloroethane	Ave	0.7022	0.6757	0.3000	12.0	12.5	-3.8	20.0
Nitrobenzene	Ave	0.6208	0.5217	0.2000	10.5	12.5	-16.0	20.0
N-Nitrosopiperidine	Ave	0.2054	0.1934		11.8	12.5	-5.9	20.0
Isophorone	Ave	1.072	0.9321	0.4000	10.9	12.5	-13.0	20.0
2-Nitrophenol	Ave	0.1801	0.1830	0.1000	12.7	12.5	1.6	20.0
2,4-Dimethylphenol	Ave	0.4434	0.4422	0.2000	12.5	12.5	-0.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1982	0.1926		12.1	12.5	-2.8	20.0
Bis(2-chloroethoxy)methane	Ave	0.6145	0.5561	0.3000	11.3	12.5	-9.5	20.0
2,4-Dichlorophenol	Ave	0.3309	0.3336	0.2000	12.6	12.5	0.8	20.0
1,2,4-Trichlorobenzene	Ave	0.4043	0.3711		11.5	12.5	-8.2	20.0
Naphthalene	Ave	1.072	1.063	0.7000	12.4	12.5	-0.9	20.0
a-Terpineol	Ave	0.5110	0.3769		9.22	12.5	-26.2*	20.0
2,6-Dichlorophenol	Ave	0.3395	0.3163		11.6	12.5	-6.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-681375/2 Calibration Date: 08/06/2025 07:51

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chloroaniline	Ave	0.4205	0.4561	0.0100	13.6	12.5	8.4	20.0
Hexachloropropene	Ave	0.3242	0.3002		11.6	12.5	-7.4	20.0
Hexachlorobutadiene	Ave	0.2550	0.2326	0.0100	11.4	12.5	-8.8	20.0
Quinoline	Ave	0.6990	0.7108		12.7	12.5	1.7	20.0
N-Nitrosodi-n-butylamine	Ave	0.4721	0.4155		11.0	12.5	-12.0	20.0
Caprolactam	Ave	0.0980	0.0884	0.0100	11.3	12.5	-9.8	20.0
1,4-phenylenediamine	Ave	0.3460	0.3608			12.5	4.3	20.0
4-Chloro-3-methylphenol	Ave	0.4197	0.3717	0.2000	11.1	12.5	-11.4	20.0
Safrole, Total	Ave	0.2911	0.2883		12.4	12.5	-1.0	20.0
2-Methylnaphthalene	Ave	0.6282	0.5952	0.4000	11.8	12.5	-5.3	20.0
1-Methylnaphthalene	Ave	0.6879	0.6326		11.5	12.5	-8.0	20.0
Hexachlorocyclopentadiene	Ave	0.5259	0.5544	0.0500	13.2	12.5	5.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.7422	0.7113	0.0100	12.0	12.5	-4.2	20.0
Isosafrole Peak 1	Ave	0.5729	0.5555		1.94	2.00	-3.0	20.0
2,4,6-Trichlorophenol	Ave	0.4121	0.4424	0.2000	13.4	12.5	7.4	20.0
2,4,5-Trichlorophenol	Ave	0.4596	0.5018	0.2000	13.6	12.5	9.2	20.0
Isosafrole Peak 2	Ave	0.6169	0.6183		10.5	10.5	0.2	20.0
1,1'-Biphenyl	Ave	1.442	1.473	0.0100	12.8	12.5	2.1	20.0
2-Chloronaphthalene	Ave	1.201	1.172	0.8000	12.2	12.5	-2.4	20.0
1-Chloronaphthalene	Ave	1.228	1.202		12.2	12.5	-2.1	20.0
Diphenyl ether	Ave	0.8978	0.8683		12.1	12.5	-3.3	20.0
2-Nitroaniline	Ave	0.3401	0.3690	0.0100	13.6	12.5	8.5	20.0
1,4-Naphthoquinone	Ave	0.4526	0.4611			12.5	1.9	20.0
1,4-Dinitrobenzene	Ave	0.1785	0.1729		12.1	12.5	-3.1	20.0
Dimethyl phthalate	Ave	1.435	1.375	0.0100	12.0	12.5	-4.1	20.0
1,3-Dinitrobenzene	Ave	0.1883	0.2032		13.5	12.5	7.9	20.0
2,6-Dinitrotoluene	Ave	0.3067	0.2820	0.2000	11.5	12.5	-8.0	20.0
Acenaphthylene	Ave	1.894	1.854	0.9000	12.2	12.5	-2.1	20.0
3-Nitroaniline	Ave	0.2952	0.3161	0.0100	13.4	12.5	7.1	20.0
Acenaphthene	Ave	1.232	1.167	0.9000	11.8	12.5	-5.3	20.0
2,4-Dinitrophenol	Ave	0.1998	0.1988	0.0100	24.9	25.0	-0.5	20.0
Pentachlorobenzene	Ave	0.6162	0.5952		12.1	12.5	-3.4	20.0
4-Nitrophenol	Ave	0.2360	0.2321	0.0100	24.6	25.0	-1.6	20.0
Dibenzofuran	Ave	1.716	1.652	0.8000	12.0	12.5	-3.7	20.0
2,4-Dinitrotoluene	Ave	0.4214	0.4237	0.2000	12.6	12.5	0.5	20.0
1-Naphthylamine	Ave	1.110	1.179		13.3	12.5	6.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3995	0.4063	0.0100	12.7	12.5	1.7	20.0
2-Naphthylamine	Ave	1.159	1.170		12.6	12.5	0.9	20.0
Diethyl phthalate	Ave	1.437	1.396	0.0100	12.1	12.5	-2.8	20.0
Fluorene	Ave	1.311	1.302	0.9000	12.4	12.5	-0.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-681375/2 Calibration Date: 08/06/2025 07:51

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Thionazin	Ave	0.2653	0.2872		13.5	12.5	8.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.7055	0.6617	0.4000	11.7	12.5	-6.2	20.0
5-Nitro-o-toluidine	Ave	0.3654	0.3766		12.9	12.5	3.1	20.0
4-Nitroaniline	Ave	0.2840	0.3023	0.0100	13.3	12.5	6.4	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1382	0.1484	0.0100	26.8	25.0	7.4	20.0
N-Nitrosodiphenylamine	Ave	0.5805	0.6068	0.0100	11.1	10.6	4.5	20.0
1,2-Diphenylhydrazine	Ave	1.139	0.9101		9.99	12.5	-20.1*	20.0
Sulfotepp	Ave	0.1967	0.1643		10.4	12.5	-16.5	20.0
cis-Diallate	Ave	0.3849	0.3350		8.05	9.25	-13.0	20.0
Phorate	Ave	0.9677	0.8680		11.2	12.5	-10.3	20.0
1,3,5-Trinitrobenzene	Ave	0.0719	0.0716			12.5	-0.4	20.0
Phenacetin	Ave	0.4359	0.4191		12.0	12.5	-3.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2247	0.2310	0.1000	12.8	12.5	2.8	20.0
trans-Diallate	Ave	0.3953	0.3208		2.64	3.25	-18.8	20.0
Hexachlorobenzene	Ave	0.2688	0.2601	0.1000	12.1	12.5	-3.2	20.0
Dimethoate	Ave	0.3682	0.3716		12.6	12.5	0.9	20.0
Atrazine	Ave	0.2232	0.2020	0.0100	11.3	12.5	-9.5	20.0
Pentachlorophenol	Ave	0.1657	0.1724	0.0500	26.0	25.0	4.1	20.0
4-Aminobiphenyl	Ave	0.7882	0.8213		13.0	12.5	4.2	20.0
Pentachloronitrobenzene	Ave	0.1344	0.1209		11.2	12.5	-10.1	20.0
Pronamide	Ave	0.3739	0.3638		12.2	12.5	-2.7	20.0
Phenanthrene	Ave	1.105	1.051	0.7000	11.9	12.5	-4.9	20.0
Dinoseb	Ave	0.2051	0.1916		11.7	12.5	-6.6	20.0
Disulfoton	Ave	0.5922	0.5410			12.5	-8.6	20.0
Anthracene	Ave	1.084	1.093	0.7000	12.6	12.5	0.8	20.0
Carbazole	Ave	0.9697	1.004	0.0100	12.9	12.5	3.5	20.0
Methyl parathion	Ave	0.2758	0.2828		12.8	12.5	2.5	20.0
Di-n-butyl phthalate	Ave	1.138	1.173	0.0100	12.9	12.5	3.1	20.0
Parathion	Ave	0.1575	0.1677		13.3	12.5	6.5	20.0
4-Nitroquinoline-1-oxide	Ave	0.0956	0.0946			12.5	-1.1	20.0
Octachlorostyrene	Ave	0.1023	0.1029		12.6	12.5	0.5	20.0
Isodrin	Ave	0.1617	0.1370		10.6	12.5	-15.3	20.0
Fluoranthene	Ave	1.215	1.232	0.6000	12.7	12.5	1.4	20.0
Benzidine	Ave	0.6554	0.8100		46.3	37.5	23.6*	20.0
Pyrene	Ave	1.222	1.183	0.6000	12.1	12.5	-3.2	20.0
p-Dimethylamino azobenzene	Ave	0.1592	0.1781		14.0	12.5	11.9	20.0
Chlorobenzilate	Ave	0.3268	0.3403		13.0	12.5	4.1	20.0
3,3'-Dimethylbenzidine	Ave	0.5672	0.6557			12.5	15.6	20.0
Butyl benzyl phthalate	Ave	0.4430	0.4732	0.0100	13.4	12.5	6.8	20.0
2-Acetylaminofluorene	Ave	0.3770	0.4051		13.4	12.5	7.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: CCVIS 410-681375/2 Calibration Date: 08/06/2025 07:51

Instrument ID: HP23264 Calib Start Date: 06/25/2025 23:02

GC Column: DB-5MS 30m 0.25 ID: 0.25(mm) Calib End Date: 06/26/2025 01:38

Lab File ID: HG0601.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	0.9660	1.085	0.8000	14.0	12.5	12.3	20.0
3,3'-Dichlorobenzidine	Ave	0.3519	0.4196	0.0100	14.9	12.5	19.2	20.0
4,4'-Methylene bis(2-chloroaniline)	Ave	0.1883	0.2117			12.5	12.4	20.0
Chrysene	Ave	0.9387	1.000	0.7000	13.3	12.5	6.5	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.5917	0.6897	0.0100	14.6	12.5	16.6	20.0
6-Methylchrysene	Ave	0.5985	0.6630		13.8	12.5	10.8	20.0
Di-n-octyl phthalate	Ave	1.298	1.249	0.0100	12.0	12.5	-3.8	20.0
7,12-Dimethylbenz(a)anthracene	Ave	0.4799	0.5379		14.0	12.5	12.1	20.0
Benzo[b]fluoranthene	Ave	1.216	1.183	0.7000	12.2	12.5	-2.7	20.0
Benzo[k]fluoranthene	Ave	1.256	1.237	0.7000	12.3	12.5	-1.6	20.0
Benzo[a]pyrene	Ave	1.162	1.141	0.7000	12.3	12.5	-1.8	20.0
3-Methylcholanthrene	Ave	0.5205	0.5501		13.2	12.5	5.7	20.0
Dibenz[a,h]acridine	Ave	0.8851	0.9231		13.0	12.5	4.3	20.0
Dibenz[a,j]acridine	Ave	0.8940	0.9674		13.5	12.5	8.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.067	1.145	0.5000	13.4	12.5	7.4	20.0
Dibenz(a,h)anthracene	Ave	1.006	1.125	0.4000	14.0	12.5	11.8	20.0
Benzo[g,h,i]perylene	Ave	1.088	1.130	0.5000	13.0	12.5	3.9	20.0
2-Fluorophenol (Surr)	Ave	1.221	1.377		28.2	25.0	12.8	20.0
Phenol-d5 (Surr)	Ave	1.829	1.952		26.7	25.0	6.7	20.0
Nitrobenzene-d5 (Surr)	Ave	0.5965	0.5316		22.3	25.0	-10.9	20.0
2-Fluorobiphenyl (Surr)	Ave	1.420	1.463		25.8	25.0	3.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2379	0.2482		26.1	25.0	4.3	20.0
p-Terphenyl-d14 (Surr)	Ave	0.6748	0.6970		25.8	25.0	3.3	20.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0601.D
Lims ID: CCVIS L6
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Aug-2025 07:51:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS L6
Operator ID: CJS101602 Instrument ID: HP23264
Sublist: chrom-MSSemi_HP23264*sub57

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 10:14:20 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: W6ZA Date: 06-Aug-2025 08:15:46

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.344	1.344	0.000	93	249776	12.5	12.3	
	2 N-Nitrosodimethylamine	74	1.560	1.560	0.000	95	428586	12.5	12.6	
	3 Pyridine	79	1.596	1.596	0.000	99	1429074	25.0	23.4	
	4 Dimethylformamide	73	1.911	1.911	0.000	95	442308	12.5	11.2	
	5 2-Picoline	93	2.150	2.150	0.000	93	670338	12.5	12.7	
	6 N-Nitrosomethylethylamine	88	2.226	2.226	0.000	94	298033	12.5	12.0	
	7 Methyl methanesulfonate	80	2.489	2.489	0.000	83	425657	12.5	11.0	
$	9 2-Fluorophenol	112	2.635	2.635	0.000	93	1151367	25.0	28.2	
	11 N-Nitrosodiethylamine	102	2.839	2.839	0.000	94	285612	12.5	11.6	
	12 Ethyl methanesulfonate	109	3.143	3.143	0.000	95	269804	12.5	11.4	
	13 Benzaldehyde	77	3.464	3.464	0.000	95	541422	12.5	10.4	
$	15 Phenol-d5	99	3.563	3.563	0.000	95	1631800	25.0	26.7	
	17 Aniline	93	3.575	3.575	0.000	76	1057276	12.5	13.4	
	16 Phenol	94	3.575	3.575	0.000	83	953719	12.5	13.3	
	18 Bis(2-chloroethyl)ether	93	3.645	3.645	0.000	93	623201	12.5	12.0	
	19 2-Chlorophenol	128	3.692	3.692	0.000	96	544686	12.5	13.5	
	21 1,3-Dichlorobenzene	146	3.832	3.832	0.000	96	637398	12.5	13.3	
*	22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	95	167230	5.00	5.00	
	23 1,4-Dichlorobenzene	146	3.908	3.908	0.000	91	626935	12.5	12.9	
	26 Benzyl alcohol	108	4.048	4.048	0.000	90	422066	12.5	13.6	
	27 1,2-Dichlorobenzene	146	4.054	4.054	0.000	94	601809	12.5	13.2	
	29 2-Methylphenol	108	4.171	4.171	0.000	94	590753	12.5	12.9	
	30 2,2'-oxybis[1-chloropropane]	45	4.176	4.176	0.000	92	844432	12.5	8.92	
	31 N-Nitrosopyrrolidine	100	4.287	4.287	0.000	93	324224	12.5	11.9	
	32 Acetophenone	105	4.299	4.299	0.000	96	939140	12.5	12.6	
	33 N-Nitrosodi-n-propylamine	70	4.305	4.305	0.000	74	546309	12.5	11.2	
	35 N-Nitrosomorpholine	56	4.328	4.328	0.000	90	400180	12.5	10.4	
	34 4-Methylphenol	108	4.328	4.328	0.000	83	660281	12.5	13.5	
	36 2-Toluidine	106	4.334	4.334	0.000	84	970542	12.5	12.4	
	37 Hexachloroethane	117	4.375	4.375	0.000	93	282484	12.5	12.0	
$	39 Nitrobenzene-d5	82	4.445	4.445	0.000	87	1514130	25.0	22.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
40 Nitrobenzene	77	4.462	4.462	0.000	85	743003	12.5	10.5	
41 N-Nitrosopiperidine	114	4.614	4.614	0.000	82	275455	12.5	11.8	
42 Isophorone	82	4.702	4.702	0.000	98	1327605	12.5	10.9	
43 2-Nitrophenol	139	4.772	4.772	0.000	96	260653	12.5	12.7	
44 2,4-Dimethylphenol	107	4.842	4.842	0.000	98	629834	12.5	12.5	
46 o,o',o''-Triethylphosphorothioat	198	4.900	4.900	0.000	92	274287	12.5	12.1	
47 Bis(2-chloroethoxy)methane	93	4.930	4.930	0.000	96	792080	12.5	11.3	
49 2,4-Dichlorophenol	162	5.017	5.017	0.000	95	475058	12.5	12.6	
50 1,2,4-Trichlorobenzene	180	5.081	5.081	0.000	93	528558	12.5	11.5	
* 52 Naphthalene-d8	136	5.134	5.134	0.000	99	569696	5.00	5.00	
53 Naphthalene	128	5.151	5.151	0.000	98	1513476	12.5	12.4	
55 Alpha-Terpineol	59	5.181	5.181	0.000	93	536806	12.5	9.22	
56 4-Chloroaniline	127	5.227	5.227	0.000	87	649555	12.5	13.6	
57 2,6-Dichlorophenol	162	5.227	5.227	0.000	82	450422	12.5	11.6	
58 Hexachloropropene	213	5.239	5.239	0.000	96	427540	12.5	11.6	
59 Hexachlorobutadiene	225	5.280	5.280	0.000	94	331214	12.5	11.4	
61 Quinoline	129	5.484	5.484	0.000	95	1012312	12.5	12.7	
63 N-Nitrosodi-n-butylamine	84	5.560	5.560	0.000	89	591788	12.5	11.0	
62 Caprolactam	113	5.566	5.566	0.000	72	125902	12.5	11.3	
64 p-Phenylene diamine	108	5.578	5.578	0.000	96	513808	12.5	13.0	
65 4-Chloro-3-methylphenol	107	5.724	5.724	0.000	93	529396	12.5	11.1	
66 Safrole, Total	162	5.759	5.759	0.000	88	410627	12.5	12.4	
67 2-Methylnaphthalene	142	5.823	5.823	0.000	90	847684	12.5	11.8	
69 1-Methylnaphthalene	142	5.916	5.916	0.000	92	900987	12.5	11.5	
71 Hexachlorocyclopentadiene	237	5.975	5.975	0.000	92	451210	12.5	13.2	
70 1,2,4,5-Tetrachlorobenzene	216	5.986	5.986	0.000	95	578982	12.5	12.0	
72 Isosafrole Peak 1	162	6.039	6.039	0.000	86	72345	2.00	1.94	
79 2,4,6-Trichlorophenol	196	6.109	6.109	0.000	94	360108	12.5	13.4	
80 2,4,5-Trichlorophenol	196	6.150	6.150	0.000	95	408415	12.5	13.6	
$ 81 2-Fluorobiphenyl (Surr)	172	6.185	6.185	0.000	100	2381316	25.0	25.8	
82 Isosafrole Peak 2	162	6.255	6.255	0.000	92	422751	10.5	10.5	
83 1,1'-Biphenyl	154	6.278	6.278	0.000	96	1198616	12.5	12.8	
84 2-Chloronaphthalene	162	6.284	6.284	0.000	96	953779	12.5	12.2	
85 1-Chloronaphthalene	162	6.308	6.308	0.000	99	978209	12.5	12.2	
86 Phenyl ether	170	6.384	6.384	0.000	88	706741	12.5	12.1	
87 2-Nitroaniline	138	6.407	6.407	0.000	77	300313	12.5	13.6	
88 1,4-Naphthoquinone	158	6.471	6.471	0.000	81	375304	12.5	12.7	
S 24 Dinitrotoluene	165				0		25.0	24.1	
89 1,4-Dinitrobenzene	168	6.547	6.547	0.000	82	140740	12.5	12.1	
90 Dimethyl phthalate	163	6.594	6.594	0.000	97	1119395	12.5	12.0	
91 1,3-Dinitrobenzene	168	6.617	6.617	0.000	83	165401	12.5	13.5	
92 2,6-Dinitrotoluene	165	6.646	6.646	0.000	88	229566	12.5	11.5	
93 Acenaphthylene	152	6.675	6.675	0.000	98	1509050	12.5	12.2	
95 3-Nitroaniline	138	6.804	6.804	0.000	89	257249	12.5	13.4	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	94	325575	5.00	5.00	
97 Acenaphthene	153	6.845	6.845	0.000	96	949599	12.5	11.8	
98 2,4-Dinitrophenol	184	6.909	6.909	0.000	85	323582	25.0	24.9	
99 Pentachlorobenzene	250	6.973	6.973	0.000	97	484451	12.5	12.1	
100 4-Nitrophenol	109	7.002	7.002	0.000	91	377862	25.0	24.6	
101 Dibenzofuran	168	7.008	7.008	0.000	96	1344964	12.5	12.0	
102 2,4-Dinitrotoluene	165	7.026	7.026	0.000	89	344873	12.5	12.6	
104 1-Naphthylamine	143	7.090	7.090	0.000	98	959404	12.5	13.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
105 2,3,4,6-Tetrachlorophenol	232	7.143	7.143	0.000	72	330677	12.5	12.7	
106 2-Naphthylamine	143	7.172	7.172	0.000	95	951981	12.5	12.6	
107 Diethyl phthalate	149	7.265	7.265	0.000	97	1136588	12.5	12.1	
108 Fluorene	166	7.335	7.335	0.000	92	1059595	12.5	12.4	
109 Thionazin	107	7.341	7.341	0.000	77	233794	12.5	13.5	
110 4-Chlorophenyl phenyl ether	204	7.347	7.347	0.000	91	538559	12.5	11.7	
111 N-Nitro-o-toluidine	152	7.364	7.364	0.000	90	306566	12.5	12.9	
112 4-Nitroaniline	138	7.382	7.382	0.000	80	246013	12.5	13.3	
113 4,6-Dinitro-2-methylphenol	198	7.411	7.411	0.000	81	449076	25.0	26.8	
114 N-Nitrosodiphenylamine	169	7.470	7.470	0.000	62	780495	10.6	11.1	
115 1,2-Diphenylhydrazine	77	7.499	7.499	0.000	98	1377203	12.5	9.99	
$ 116 2,4,6-Tribromophenol	330	7.569	7.569	0.000	93	404015	25.0	26.1	
117 Sulfotepp	97	7.645	7.645	0.000	79	248672	12.5	10.4	
120 cis-Diallate	86	7.750	7.750	0.000	87	375075	9.25	8.05	
119 Phorate	75	7.756	7.756	0.000	94	1313494	12.5	11.2	
118 1,3,5-Trinitrobenzene	213	7.767	7.767	0.000	82	108399	12.5	12.4	
121 Phenacetin	108	7.791	7.791	0.000	90	634100	12.5	12.0	
122 4-Bromophenyl phenyl ether	248	7.808	7.808	0.000	66	349510	12.5	12.8	
123 trans-Diallate	86	7.826	7.826	0.000	96	126230	3.25	2.64	
124 Hexachlorobenzene	284	7.855	7.855	0.000	95	393535	12.5	12.1	
125 Dimethoate	87	7.919	7.919	0.000	97	562264	12.5	12.6	
126 Atrazine	200	7.995	7.995	0.000	89	305652	12.5	11.3	
127 Pentachlorophenol	266	8.053	8.053	0.000	93	521828	25.0	26.0	
129 4-Aminobiphenyl	169	8.059	8.059	0.000	91	1242824	12.5	13.0	
128 Pentachloronitrobenzene	237	8.065	8.065	0.000	50	182894	12.5	11.2	
130 Pronamide	173	8.141	8.141	0.000	89	550468	12.5	12.2	
* 131 Phenanthrene-d10	188	8.217	8.217	0.000	97	605268	5.00	5.00	
132 Phenanthrene	178	8.240	8.240	0.000	98	1590548	12.5	11.9	
133 Dinoseb	211	8.246	8.246	0.000	93	289866	12.5	11.7	
134 Disulfoton	88	8.252	8.252	0.000	96	818618	12.5	11.4	
135 Anthracene	178	8.287	8.287	0.000	97	1653352	12.5	12.6	
136 Carbazole	167	8.462	8.462	0.000	95	1519053	12.5	12.9	
137 Methyl parathion	109	8.608	8.608	0.000	90	427886	12.5	12.8	
138 Di-n-butyl phthalate	149	8.824	8.824	0.000	100	1775373	12.5	12.9	
139 Ethyl Parathion	109	8.982	8.982	0.000	80	253724	12.5	13.3	
140 4-Nitroquinoline-1-oxide	190	8.999	8.999	0.000	83	143157	12.5	12.4	
142 Octachlorostyrene	308	9.192	9.192	0.000	88	155645	12.5	12.6	
143 Isodrin	193	9.215	9.215	0.000	93	207354	12.5	10.6	
144 Fluoranthene	202	9.367	9.367	0.000	97	1864295	12.5	12.7	
145 Benzidine	184	9.525	9.525	0.000	100	3914552	37.5	46.3	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	99	644382	5.00	5.00	
147 Pyrene	202	9.577	9.577	0.000	98	1906130	12.5	12.1	
S 68 Diallate	86				0		12.5	10.7	
$ 148 p-Terphenyl-d14	244	9.753	9.753	0.000	100	2245825	25.0	25.8	
149 p-Dimethylamino azobenzene	225	9.893	9.893	0.000	94	286899	12.5	14.0	
150 Chlorobenzilate	139	9.945	9.945	0.000	85	548260	12.5	13.0	
152 3,3'-Dimethylbenzidine	212	10.220	10.220	0.000	99	1056324	12.5	14.5	
153 Butyl benzyl phthalate	149	10.249	10.249	0.000	95	762348	12.5	13.4	
155 2-Acetylaminofluorene	181	10.471	10.471	0.000	94	652612	12.5	13.4	
156 Benzo[a]anthracene	228	10.763	10.763	0.000	99	1747532	12.5	14.0	
157 3,3'-Dichlorobenzidine	252	10.769	10.769	0.000	75	675907	12.5	14.9	
158 4,4'-Methylene bis(2-chloroanil	231	10.780	10.780	0.000	96	341081	12.5	14.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
159 Chrysene	228	10.804	10.804	0.000	97	1610204	12.5	13.3	
160 Bis(2-ethylhexyl) phthalate	149	10.880	10.880	0.000	95	1111084	12.5	14.6	
S 94 Isosafrole	162				0		12.5	12.5	
161 6-Methylchrysene	242	11.318	11.318	0.000	99	1068130	12.5	13.8	
162 Di-n-octyl phthalate	149	11.650	11.650	0.000	99	1684384	12.5	12.0	
163 7,12-Dimethylbenz(a)anthracene	256	12.018	12.018	0.000	72	725637	12.5	14.0	
164 Benzo[b]fluoranthene	252	12.018	12.018	0.000	96	1596472	12.5	12.2	
165 Benzo[k]fluoranthene	252	12.053	12.053	0.000	99	1668327	12.5	12.3	
166 Benzo[a]pyrene	252	12.427	12.427	0.000	77	1539203	12.5	12.3	
* 167 Perylene-d12	264	12.509	12.509	0.000	98	539631	5.00	5.00	
168 3-Methylcholanthrene	268	12.917	12.917	0.000	91	742072	12.5	13.2	
169 Dibenz[a,h]acridine	279	13.653	13.653	0.000	90	1245350	12.5	13.0	
170 Dibenz[a,j]acridine	279	13.723	13.723	0.000	96	1305164	12.5	13.5	
171 Indeno[1,2,3-cd]pyrene	276	13.939	13.939	0.000	99	1545224	12.5	13.4	
172 Dibenz(a,h)anthracene	278	13.986	13.986	0.000	93	1517326	12.5	14.0	
173 Benzo[g,h,i]perylene	276	14.290	14.290	0.000	98	1524477	12.5	13.0	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_6_00069 Amount Added: 1.00 Units: mL

Report Date: 06-Aug-2025 10:14:21 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0601.D

Injection Date: 06-Aug-2025 07:51:30 Instrument ID: HP23264 Operator ID: CJS101602

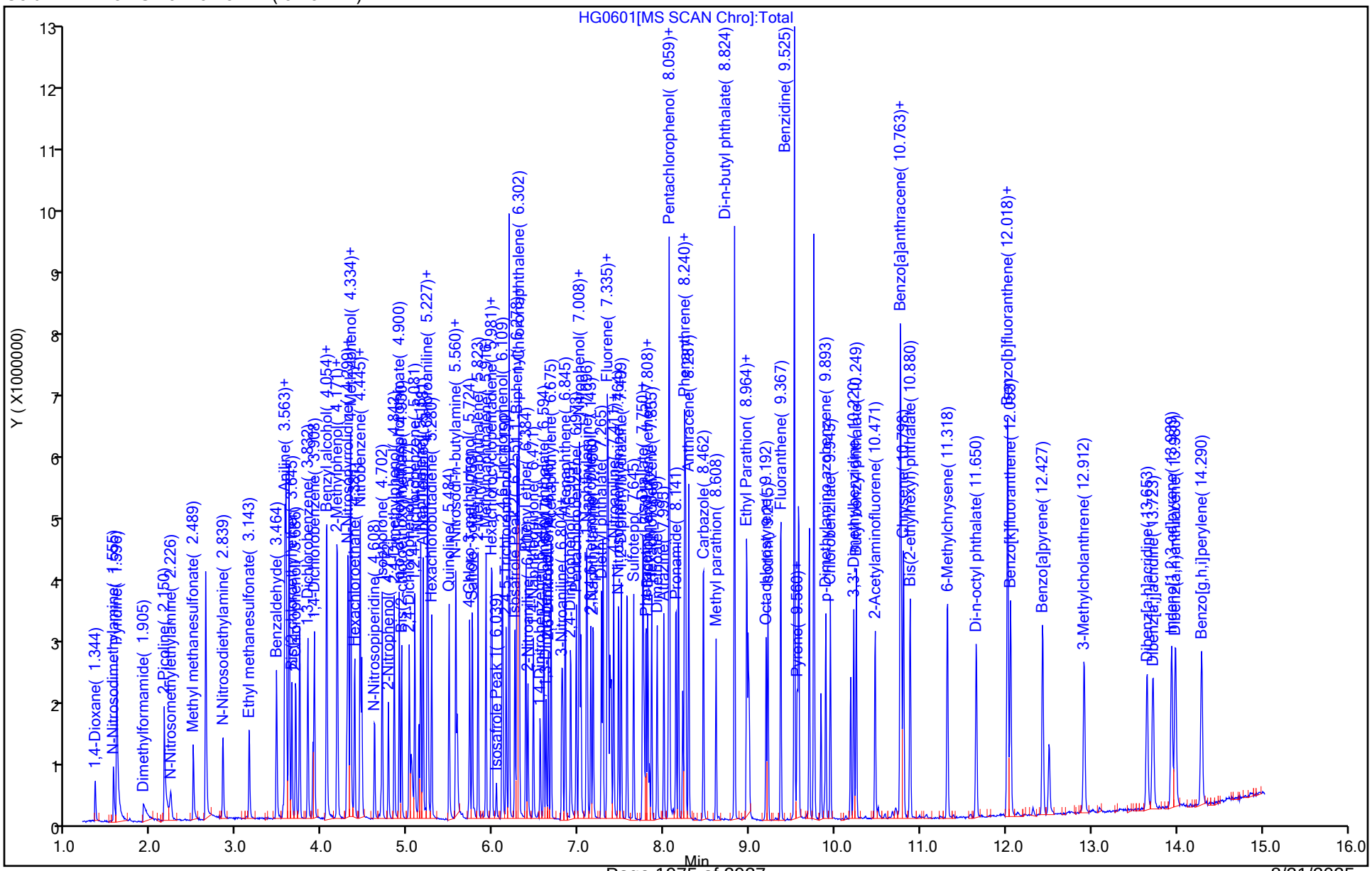
Lims ID: CCVIS L6 Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

Column: DB-5MS 20m 0.25mm (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 25-Jun-2025 23:15:51 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 08:34:03 Calib Date: 26-Jun-2025 07:04:08
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2572.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: N5QU Date: 25-Jun-2025 23:26:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.432	4.432	0.000	92	319366	NR	NR	
57 Benzidine_T	184	5.644	5.644	0.000	99	1540959	NR	NR	
243 DFTPP									
244 4,4'-DDE	246	5.796	5.796	0.000	50	906		NR	
245 4,4'-DDD	235	6.064	6.064	0.000	21	3114		NR	
246 4,4'-DDT	235	6.309	6.309	0.000	98	793505	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

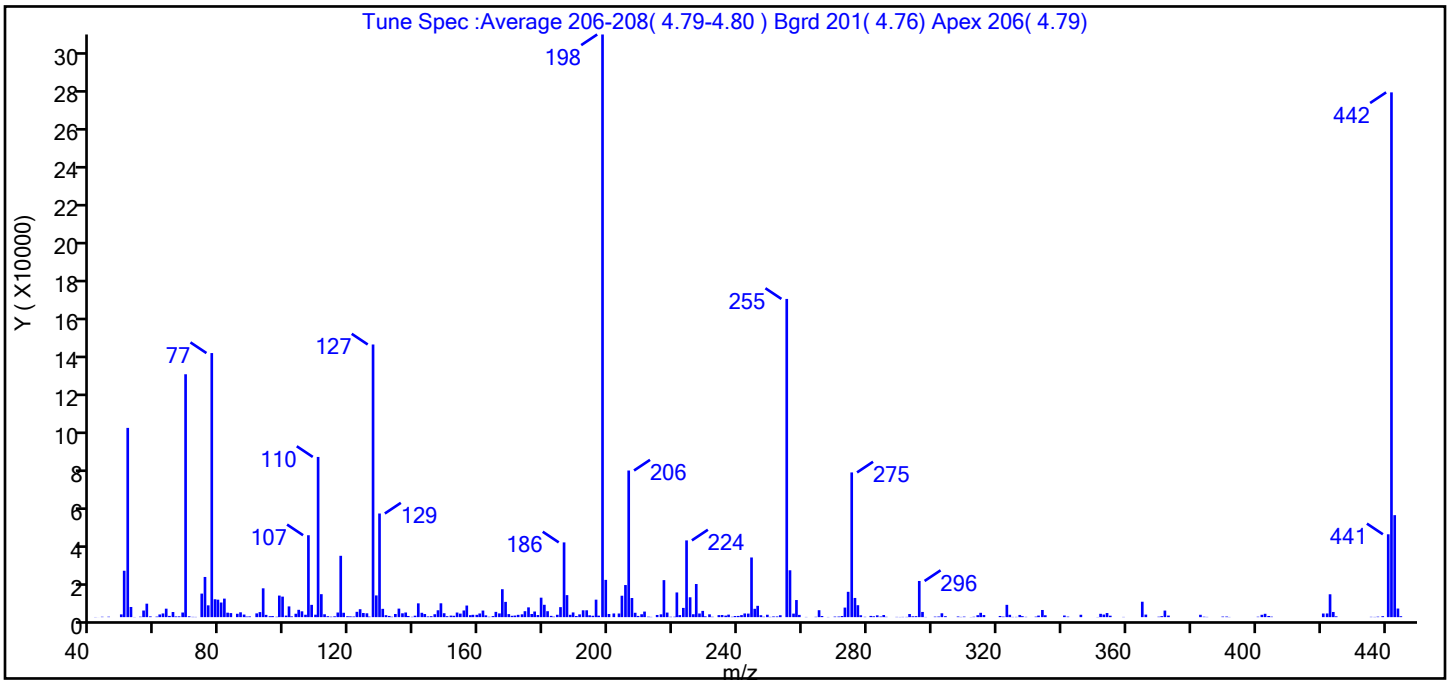
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Injection Date: 25-Jun-2025 23:15:51 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (111.0)
51	10-80% of the base peak	32.5
68	<2% of mass 69	0.8 (1.9)
69	Present	41.7
70	<2% of mass 69	0.1 (0.3)
127	10-80% of the base peak	46.8
197	<2% of mass 198	0.3
199	5-9% of mass 198	6.4
275	10-60% of the base peak	24.8
365	>1% of mass 198	2.6
441	present but <24% of mass 442	14.2 (15.8)
442	base peak, or >50% of 198	90.1
443	15-24% of mass 442	17.5 (19.4)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 25-Jun-2025 23:15:51
Spectrum: Tune Spec :Average 206-208(4.79-4.80) Bgrd 201(4.76) Apex 206(4.79)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
41.00	81	125.00	2032	202.00	1947	289.00	132
42.00	19	126.00	291	203.00	1928	290.00	101
43.00	206	127.00	144384	204.00	11342	291.00	133
45.00	235	128.00	11506	205.00	17000	292.00	134
49.00	1458	129.00	54880	206.00	77648	293.00	1651
50.00	24576	130.00	4395	207.00	10129	294.00	450
51.00	100216	131.00	1031	208.00	2315	295.00	500
52.00	5379	132.00	637	209.00	642	296.00	19152
53.00	83	133.00	211	210.00	1530	297.00	2757
55.00	243	134.00	1669	211.00	2947	298.00	102
56.00	3503	135.00	4517	212.00	257	301.00	277
57.00	7135	136.00	2041	213.00	133	302.00	333
58.00	391	137.00	2463	215.00	1154	303.00	2055
60.00	290	138.00	619	216.00	1497	304.00	515
61.00	1418	139.00	176	217.00	19600	308.00	352
62.00	1958	140.00	763	218.00	2417	309.00	121
63.00	4487	141.00	7312	219.00	194	310.00	283
64.00	657	142.00	2309	220.00	225	312.00	83
65.00	2718	143.00	1652	221.00	13080	313.00	210
66.00	360	144.00	390	222.00	1078	314.00	1031
67.00	400	145.00	501	223.00	4897	315.00	2292
68.00	2449	146.00	1544	224.00	40640	316.00	1112
69.00	128616	147.00	3637	225.00	10525	321.00	619
70.00	440	148.00	7334	226.00	1542	322.00	282
71.00	148	149.00	2073	227.00	17544	323.00	6515
72.00	126	150.00	507	228.00	1930	324.00	1239
73.00	3	151.00	821	229.00	3313	325.00	123
74.00	12471	152.00	717	230.00	403	326.00	139
75.00	21280	153.00	2441	231.00	1493	327.00	1165
76.00	6258	154.00	1868	232.00	204	328.00	526
77.00	139840	155.00	3535	234.00	1064	329.00	161
78.00	9470	156.00	6148	235.00	1126	332.00	272
79.00	9248	157.00	1037	236.00	806	333.00	826

Report Date: 26-Jun-2025 08:34:04 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 25-Jun-2025 23:15:51
Spectrum: Tune Spec :Average 206-208(4.79-4.80) Bgrd 201(4.76) Apex 206(4.79)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	7746	158.00	1241	237.00	1327	334.00	3789
81.00	9811	159.00	1228	238.00	197	335.00	987
82.00	2359	160.00	1933	239.00	594	341.00	866
83.00	2144	161.00	3495	240.00	646	342.00	284
85.00	1788	162.00	947	241.00	1071	346.00	1260
86.00	2563	163.00	197	242.00	1943	351.00	85
87.00	1373	164.00	567	243.00	1880	352.00	1758
88.00	307	165.00	2791	244.00	31600	353.00	1383
89.00	387	166.00	1976	245.00	4414	354.00	2174
91.00	1996	167.00	14791	246.00	5993	355.00	767
92.00	2666	168.00	8084	247.00	1027	359.00	115
93.00	15262	169.00	1607	248.00	206	365.00	8162
94.00	1200	170.00	714	249.00	1268	366.00	1354
95.00	492	171.00	833	250.00	139	370.00	233
96.00	562	172.00	1227	251.00	376	371.00	509
97.00	199	173.00	1492	252.00	363	372.00	3482
98.00	11424	174.00	3152	253.00	1009	373.00	824
99.00	10866	175.00	5179	255.00	168512	383.00	1249
100.00	804	176.00	1670	256.00	24816	384.00	231
101.00	5690	177.00	2982	257.00	1870	385.00	124
102.00	415	178.00	1119	258.00	9056	390.00	309
103.00	1795	179.00	10313	259.00	1196	391.00	324
104.00	3885	180.00	6540	261.00	107	392.00	102
105.00	3090	181.00	3145	264.00	179	401.00	230
106.00	1266	182.00	685	265.00	3667	402.00	1244
107.00	43376	183.00	242	266.00	596	403.00	1771
108.00	6504	184.00	1260	268.00	98	404.00	606
109.00	1297	185.00	5301	270.00	299	405.00	266
110.00	84840	186.00	39584	271.00	322	421.00	1916
111.00	12165	187.00	11659	272.00	599	422.00	1952
112.00	1524	188.00	1234	273.00	5058	423.00	12112
113.00	500	189.00	2499	274.00	13409	424.00	2737
114.00	244	190.00	585	275.00	76632	425.00	419
115.00	439	191.00	1462	276.00	10163	436.00	164

Report Date: 26-Jun-2025 08:34:04 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D\MSSemi_HP19760.rslt\spectra.
Injection Date: 25-Jun-2025 23:15:51
Spectrum: Tune Spec :Average 206-208(4.79-4.80) Bgrd 201(4.76) Apex 206(4.79)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 303

m/z	Y	m/z	Y	m/z	Y	m/z	Y
116.00	2452	192.00	3626	277.00	6323	437.00	119
117.00	32480	193.00	3628	278.00	1007	438.00	261
118.00	2319	194.00	984	279.00	181	439.00	509
119.00	472	195.00	731	281.00	662	441.00	43880
120.00	405	196.00	9259	282.00	453	442.00	277888
121.00	335	197.00	789	283.00	958	443.00	54000
122.00	2819	198.00	308544	284.00	320	444.00	4557
123.00	4199	199.00	19736	285.00	1124	445.00	486
124.00	2197	200.00	1672	286.00	177		

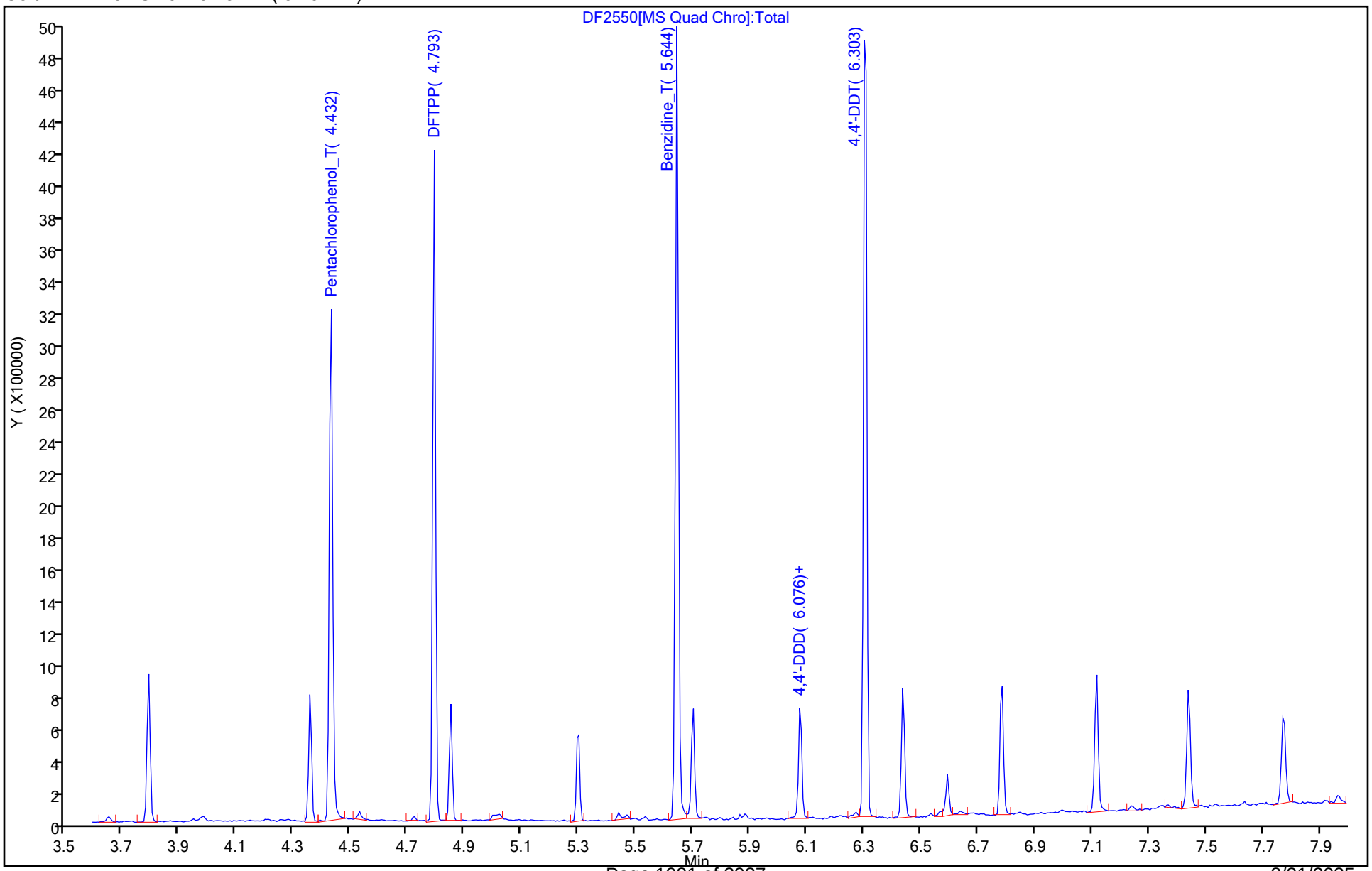
Report Date: 26-Jun-2025 08:34:04 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D

Injection Date:	25-Jun-2025 23:15:51	Instrument ID:	HP19760	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Injection Date: 25-Jun-2025 23:15:51 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

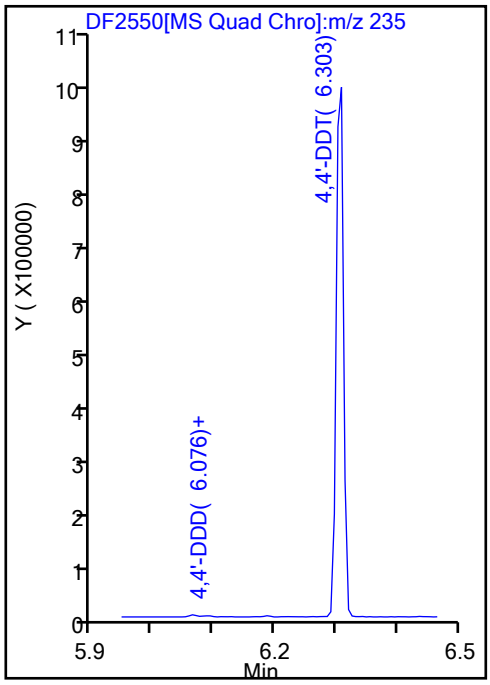
246 4,4'-DDT, Detector: MS Quad

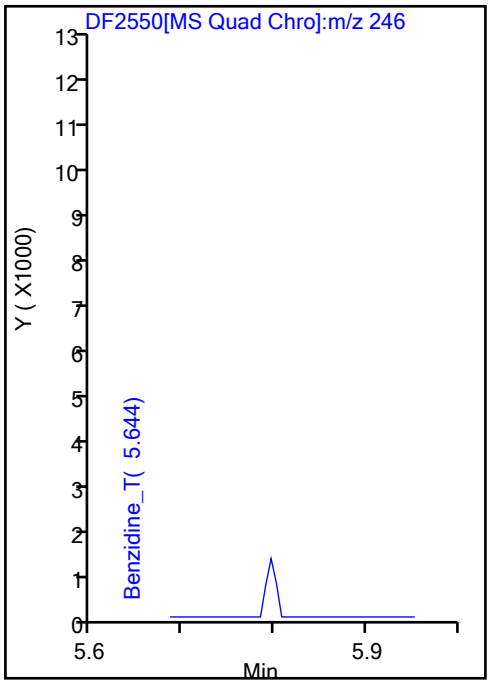
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 793505
245 4,4'-DDD, Area = 3114
244 4,4'-DDE, Area = 906

%Breakdown: 0.50%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

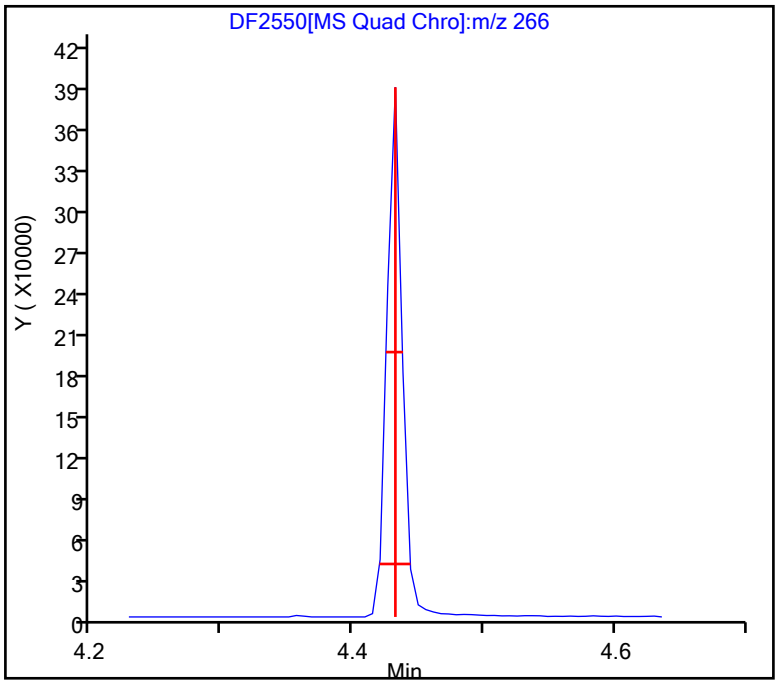
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Injection Date: 25-Jun-2025 23:15:51 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 0.92, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

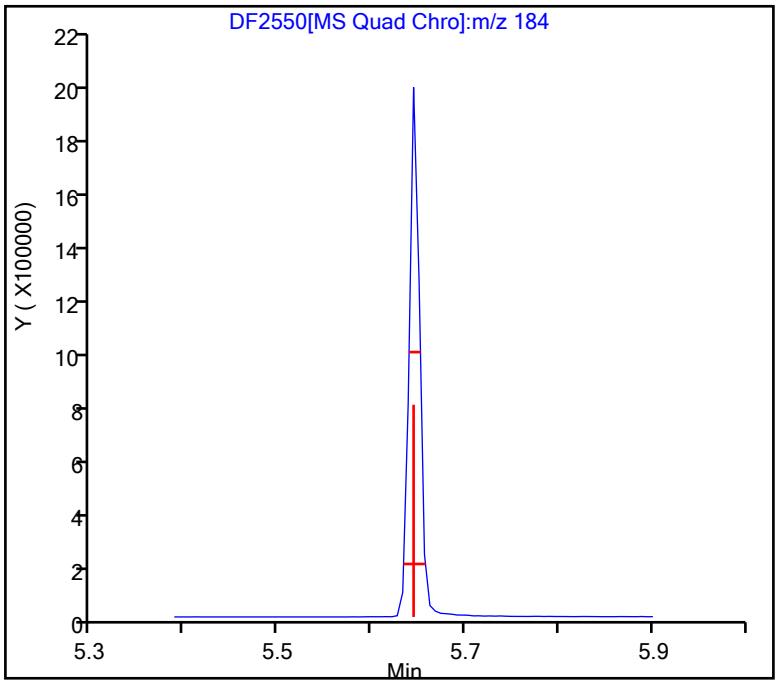
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250625-151574.b\DF2550.D
Injection Date: 25-Jun-2025 23:15:51 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Aug-2025 19:33:34 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: EEA115318 Instrument ID: HP19760

Method: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\MSSemi_HP19760.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 07-Aug-2025 23:11:02 Calib Date: 23-Jul-2025 10:39:28
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP19760\20250723-154285.b\DG2305.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1720

First Level Reviewer: RN6U Date: 07-Aug-2025 21:00:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
27 Pentachlorophenol_T	266	4.321	4.321	0.000	93	378111	NR	NR	
57 Benzidine_T	184	5.540	5.540	0.000	99	1706851	NR	NR	
243 DFTPP									
244 4,4'-DDE	246	5.691	5.691	0.000	1	1274		NR	
245 4,4'-DDD	235		6.187				ND		U
246 4,4'-DDT	235	6.187	6.187	0.000	98	940816	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

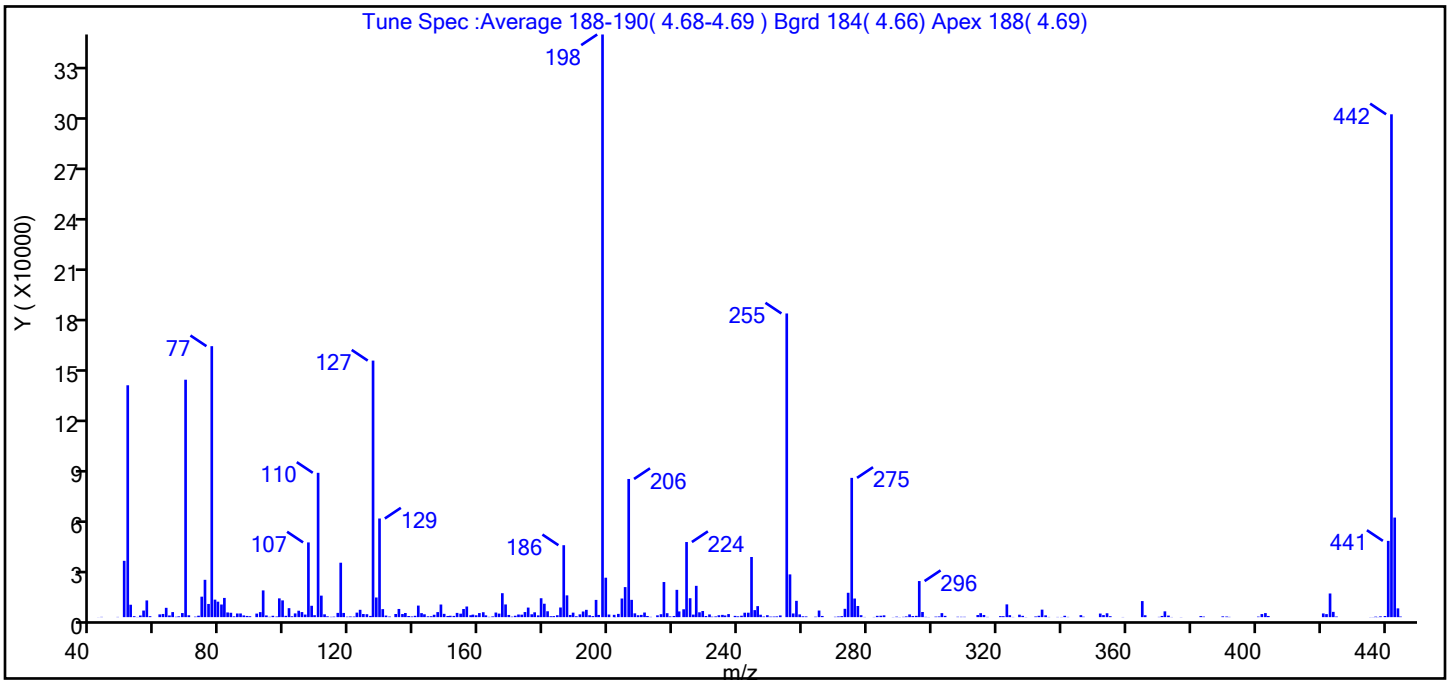
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Injection Date: 07-Aug-2025 19:33:34 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

243 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (115.9)
51	10-80% of the base peak	39.8
68	<2% of mass 69	0.7 (1.7)
69	Present	40.7
70	<2% of mass 69	0.3 (0.8)
127	10-80% of the base peak	44.0
197	<2% of mass 198	0.4
199	5-9% of mass 198	6.8
275	10-60% of the base peak	23.9
365	>1% of mass 198	2.8
441	present but <24% of mass 442	13.1 (15.2)
442	base peak, or >50% of 198	86.3
443	15-24% of mass 442	17.1 (19.8)

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D\MSSemi_HP19760.rslt\spectra
Injection Date: 07-Aug-2025 19:33:34
Spectrum: Tune Spec :Average 188-190(4.68-4.69) Bgrd 184(4.66) Apex 188(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
42.00	52	127.00	153664	204.00	11162	292.00	444
43.00	159	128.00	11782	205.00	17992	293.00	1632
48.00	140	129.00	59080	206.00	82760	294.00	657
50.00	33744	130.00	4803	207.00	10352	295.00	773
51.00	138880	131.00	945	208.00	2271	296.00	21616
52.00	7431	132.00	369	209.00	1133	297.00	3086
53.00	569	134.00	1885	210.00	1337	298.00	182
54.00	112	135.00	4904	211.00	2763	299.00	95
55.00	979	136.00	1861	212.00	697	301.00	312
56.00	3940	137.00	2478	213.00	166	302.00	408
57.00	10014	138.00	677	215.00	1075	303.00	2410
58.00	554	139.00	403	216.00	1759	304.00	762
61.00	1649	140.00	798	217.00	21032	308.00	237
62.00	1901	141.00	6922	218.00	2363	309.00	210
63.00	5584	142.00	2398	219.00	440	310.00	209
64.00	1007	143.00	1705	220.00	696	314.00	1260
65.00	3026	144.00	514	221.00	16355	315.00	2377
66.00	216	145.00	533	222.00	3425	316.00	1296
67.00	471	146.00	1427	223.00	4715	317.00	151
68.00	2443	147.00	3016	224.00	44992	321.00	609
69.00	142208	148.00	7560	225.00	11336	322.00	572
70.00	1107	149.00	1973	226.00	1526	323.00	7648
72.00	301	150.00	704	227.00	18752	324.00	1180
73.00	858	151.00	834	228.00	2900	325.00	116
74.00	12262	152.00	741	229.00	3671	327.00	1468
75.00	22360	153.00	2540	230.00	666	328.00	785
76.00	7901	154.00	2084	231.00	1619	329.00	93
77.00	162304	155.00	4883	232.00	291	332.00	406
78.00	10480	156.00	6371	233.00	450	333.00	808
79.00	9261	157.00	1145	234.00	1130	334.00	4494
80.00	7571	158.00	1506	235.00	1361	335.00	1068
81.00	11513	159.00	1103	236.00	998	336.00	129
82.00	2810	160.00	2434	237.00	1835	339.00	126

Report Date: 07-Aug-2025 23:11:02 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D\MSSemi_HP19760.rslt\spectra
Injection Date: 07-Aug-2025 19:33:34
Spectrum: Tune Spec :Average 188-190(4.68-4.69) Bgrd 184(4.66) Apex 188(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	2617	161.00	2948	239.00	769	340.00	104
84.00	469	162.00	1069	240.00	491	341.00	816
85.00	2193	163.00	181	241.00	852	342.00	149
86.00	2213	164.00	458	242.00	2647	346.00	1197
87.00	1031	165.00	2752	243.00	2651	347.00	261
88.00	722	166.00	2128	244.00	36024	352.00	2149
89.00	549	167.00	14345	245.00	4211	353.00	1231
91.00	2131	168.00	7612	246.00	6606	354.00	2323
92.00	3006	169.00	1313	247.00	1445	355.00	563
93.00	16015	170.00	303	248.00	369	359.00	98
94.00	1015	171.00	832	249.00	1162	365.00	9621
95.00	207	172.00	1582	250.00	315	366.00	1131
96.00	819	173.00	1480	251.00	347	370.00	164
97.00	372	174.00	3046	252.00	438	371.00	723
98.00	11245	175.00	5731	253.00	1025	372.00	3475
99.00	10040	176.00	1711	255.00	181888	373.00	929
100.00	781	177.00	2895	256.00	25608	374.00	103
101.00	5375	178.00	1062	257.00	2207	377.00	85
102.00	516	179.00	11330	258.00	9768	383.00	640
103.00	2231	180.00	8034	259.00	1646	384.00	341
104.00	3844	181.00	3523	260.00	511	390.00	480
105.00	3037	182.00	552	261.00	432	391.00	385
106.00	1545	183.00	624	264.00	274	392.00	165
107.00	44760	184.00	1141	265.00	3950	401.00	337
108.00	6811	185.00	5780	266.00	709	402.00	1850
109.00	1163	186.00	43088	270.00	225	403.00	2423
110.00	86448	187.00	13043	271.00	408	404.00	695
111.00	12884	188.00	1298	272.00	600	421.00	2213
112.00	1691	189.00	2695	273.00	4990	422.00	1814
113.00	501	190.00	525	274.00	14594	423.00	14174
114.00	208	191.00	1665	275.00	83424	424.00	3163
115.00	310	192.00	3385	276.00	11149	425.00	362
116.00	2545	193.00	4375	277.00	6677	436.00	86
117.00	32600	194.00	1146	278.00	1163	436.00	89

Report Date: 07-Aug-2025 23:11:02 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D\MSSemi_HP19760.rslt\spectra
Injection Date: 07-Aug-2025 19:33:34
Spectrum: Tune Spec :Average 188-190(4.68-4.69) Bgrd 184(4.66) Apex 188(4.69)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	2519	195.00	632	279.00	126	437.00	301
119.00	283	196.00	10327	282.00	112	438.00	108
120.00	412	197.00	1329	283.00	786	439.00	478
121.00	353	198.00	348992	284.00	848	440.00	675
122.00	2706	199.00	23624	285.00	1082	441.00	45680
123.00	4401	200.00	1563	288.00	92	442.00	301184
124.00	1875	202.00	1383	289.00	304	443.00	59640
125.00	1764	202.00	119	290.00	91	444.00	5261
126.00	737	203.00	1950	291.00	198	445.00	357

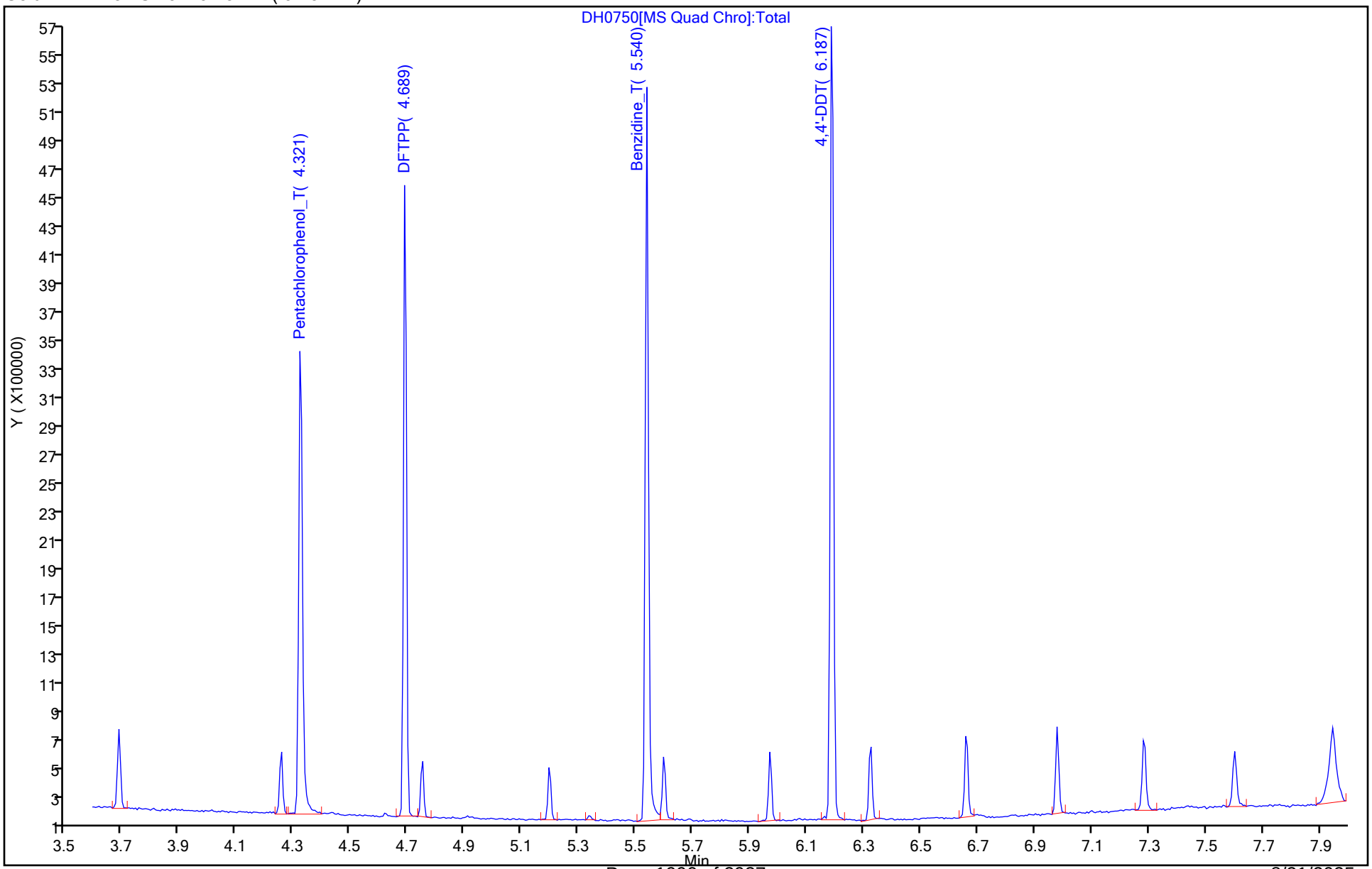
Report Date: 07-Aug-2025 23:11:02 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D

Injection Date:	07-Aug-2025 19:33:34	Instrument ID:	HP19760	Operator ID:	EEA115318
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



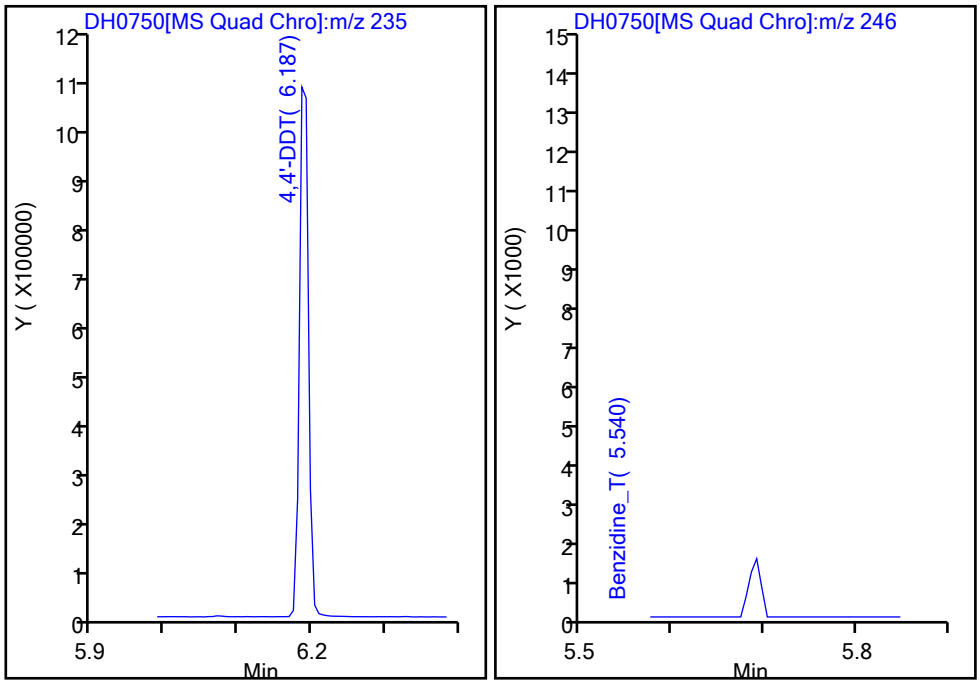
8/21/2025
7:28:43 PM

Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D				
Injection Date:	07-Aug-2025 19:33:34	Instrument ID:	HP19760		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	EEA115318	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP19760	Limit Group:	MSSV - 8270D_E LVI		

246 4,4'-DDT, Detector: MS Quad



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

246 4,4'-DDT, Area = 940816
245 4,4'-DDD, Area = 0
244 4,4'-DDE, Area = 1274

%Breakdown: 0.14%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

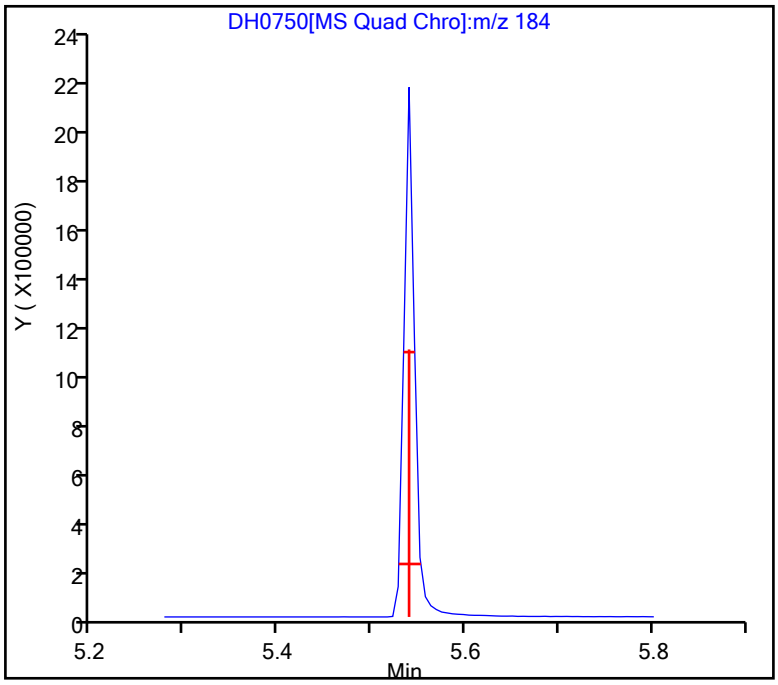
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Injection Date: 07-Aug-2025 19:33:34 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

57 Benzidine_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.18, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

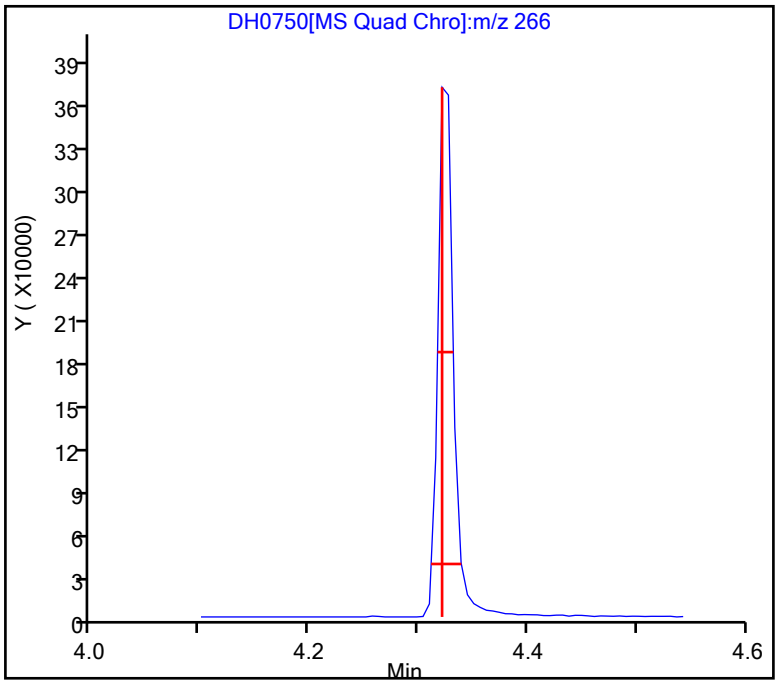
Data File: \\chromfs\Lancaster\ChromData\HP19760\20250807-155901.b\DH0750.D
Injection Date: 07-Aug-2025 19:33:34 Instrument ID: HP19760
Lims ID: DFTPP
Client ID:
Operator ID: EEA115318 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP19760 Limit Group: MSSV - 8270D_E LVI

27 Pentachlorophenol_T, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.80, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 11-Mar-2025 19:17:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: ncp102899 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 11-Mar-2025 23:31:50 Calib Date: 05-Mar-2025 00:26:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250304-139871.b\JC0459.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: WH7Z Date: 11-Mar-2025 20:27:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	5.064	5.064	0.000	93	375613	NR	NR	
14 Benzidine_T	184	6.332	6.332	0.000	99	1338869	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	6.483	6.483	0.000	1	2488		NR	
210 4,4'-DDD	235	6.746	6.746	0.000	1	343		NR	
209 4,4'-DDT	235	7.032	7.032	0.000	99	909487	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

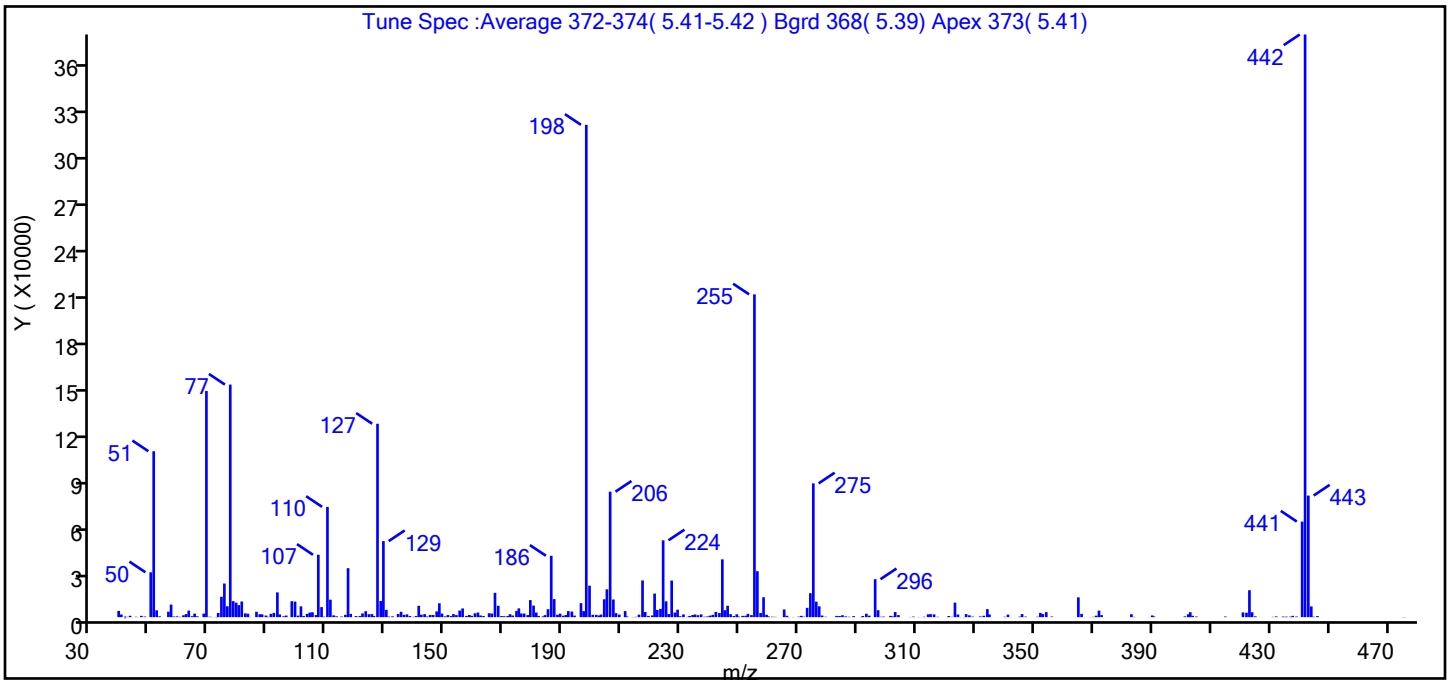
MSS_RVDFTPP_00016 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Injection Date: 11-Mar-2025 19:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: ncp102899 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (84.5)
51	10-80% of the base peak	33.7
68	<2% of mass 69	0.7 (1.6)
69	Present	45.9
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	39.3
197	<2% of mass 198	1.2
199	5-9% of mass 198	6.4
275	10-60% of the base peak	27.2
365	>1% of mass 198	4.0
441	present but <24% of mass 442	19.4 (16.4)
442	base peak, or >50% of 198	118.3
443	15-24% of mass 442	24.7 (20.9)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 11-Mar-2025 19:17:30
Spectrum: Tune Spec :Average 372-374(5.41-5.42) Bgrd 368(5.39) Apex 373(5.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	3972	126.00	683	208.00	2549	297.00	4439
40.00	1706	127.00	123600	209.00	1617	298.00	260
41.00	1	128.00	10313	211.00	3881	299.00	326
42.00	188	129.00	48608	212.00	480	301.00	812
43.00	877	130.00	4666	213.00	22	302.00	474
45.00	237	131.00	366	214.00	99	303.00	3256
47.00	829	132.00	518	215.00	206	304.00	1318
48.00	388	134.00	2006	216.00	1575	308.00	119
50.00	28664	135.00	3432	217.00	23456	309.00	357
51.00	106032	136.00	1479	218.00	3296	311.00	110
52.00	4369	137.00	1791	219.00	786	313.00	260
53.00	526	138.00	697	220.00	1088	314.00	1813
54.00	5	139.00	182	221.00	15079	315.00	1936
56.00	3499	140.00	709	222.00	4604	316.00	1754
57.00	8042	141.00	7247	223.00	5279	317.00	219
58.00	421	142.00	1576	224.00	49104	321.00	724
59.00	530	143.00	1926	225.00	10111	322.00	197
60.00	213	144.00	418	226.00	1972	323.00	9278
61.00	1195	145.00	1411	227.00	23400	324.00	1679
62.00	1932	146.00	1351	228.00	2928	325.00	88
63.00	4140	147.00	3661	229.00	4768	326.00	97
64.00	605	148.00	8844	230.00	584	327.00	1953
65.00	2235	149.00	2279	231.00	1746	328.00	1167
66.00	524	150.00	511	232.00	240	329.00	341
68.00	2277	151.00	1347	233.00	788	332.00	465
69.00	144512	152.00	702	234.00	1335	333.00	889
70.00	275	153.00	1955	235.00	1708	334.00	5118
71.00	127	154.00	1307	236.00	1248	335.00	1725
72.00	133	155.00	4189	237.00	1762	340.00	257
73.00	2662	156.00	5564	238.00	273	341.00	1599
74.00	13017	157.00	802	239.00	469	342.00	58
75.00	21488	158.00	1370	240.00	982	345.00	326
76.00	6948	159.00	807	241.00	1446	346.00	1942

Report Date: 11-Mar-2025 23:31:51 Chrom Revision: 2.3 18-Feb-2025 08:41:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 11-Mar-2025 19:17:30
Spectrum: Tune Spec :Average 372-374(5.41-5.42) Bgrd 368(5.39) Apex 373(5.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	148608	160.00	2455	242.00	3327	347.00	339
78.00	10245	161.00	2942	243.00	2615	351.00	271
79.00	9260	162.00	1058	244.00	36928	352.00	2695
80.00	7714	163.00	716	245.00	4442	353.00	1978
81.00	9997	165.00	2490	246.00	7270	354.00	3206
82.00	2407	166.00	2328	247.00	1902	356.00	380
83.00	2201	167.00	15542	248.00	721	365.00	12652
84.00	106	168.00	7274	249.00	1820	366.00	2071
85.00	10	169.00	675	250.00	382	369.00	90
86.00	3425	170.00	610	251.00	827	370.00	254
87.00	1819	171.00	751	252.00	880	371.00	937
88.00	1810	172.00	1871	253.00	2126	372.00	4168
89.00	1036	173.00	1045	254.00	1302	373.00	1275
90.00	238	174.00	3969	255.00	206272	383.00	1858
91.00	2124	175.00	5600	256.00	29360	384.00	216
92.00	2716	176.00	2341	257.00	2616	390.00	1074
93.00	15811	177.00	2301	258.00	12726	391.00	422
94.00	1735	178.00	1308	259.00	1517	401.00	484
95.00	539	179.00	10906	260.00	503	402.00	1782
96.00	1017	180.00	7394	261.00	285	403.00	3170
98.00	10195	181.00	2954	262.00	181	404.00	872
99.00	9940	182.00	770	265.00	4920	405.00	397
100.00	948	183.00	492	266.00	895	415.00	418
101.00	6887	184.00	1291	267.00	151	421.00	3022
102.00	697	185.00	5081	268.00	105	422.00	2816
103.00	2080	186.00	39224	270.00	295	423.00	17208
104.00	2895	187.00	11523	271.00	825	424.00	3155
105.00	3130	188.00	1508	272.00	276	425.00	517
106.00	1332	189.00	2237	273.00	5935	431.00	192
107.00	39848	190.00	932	274.00	15314	432.00	475
108.00	6419	191.00	1390	275.00	85496	434.00	355
109.00	323	192.00	3852	276.00	9900	435.00	145
110.00	70480	193.00	3575	277.00	6942	436.00	335
111.00	11125	194.00	1005	278.00	1023	437.00	325

Report Date: 11-Mar-2025 23:31:51 Chrom Revision: 2.3 18-Feb-2025 08:41:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 11-Mar-2025 19:17:30
Spectrum: Tune Spec :Average 372-374(5.41-5.42) Bgrd 368(5.39) Apex 373(5.41)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	1151	196.00	8960	279.00	247	438.00	844
113.00	532	197.00	3855	283.00	799	439.00	404
115.00	385	198.00	314624	284.00	721	441.00	61072
116.00	1470	199.00	20096	285.00	1218	442.00	372352
117.00	31296	200.00	1515	286.00	492	443.00	77704
118.00	2048	201.00	1440	287.00	243	444.00	6838
120.00	680	202.00	1050	289.00	647	445.00	282
121.00	699	203.00	1658	291.00	106	446.00	685
122.00	2391	204.00	11427	292.00	744	475.00	109
123.00	3797	205.00	17776	293.00	2195	476.00	91
124.00	1889	206.00	80176	294.00	952		
125.00	1923	207.00	11279	296.00	24248		

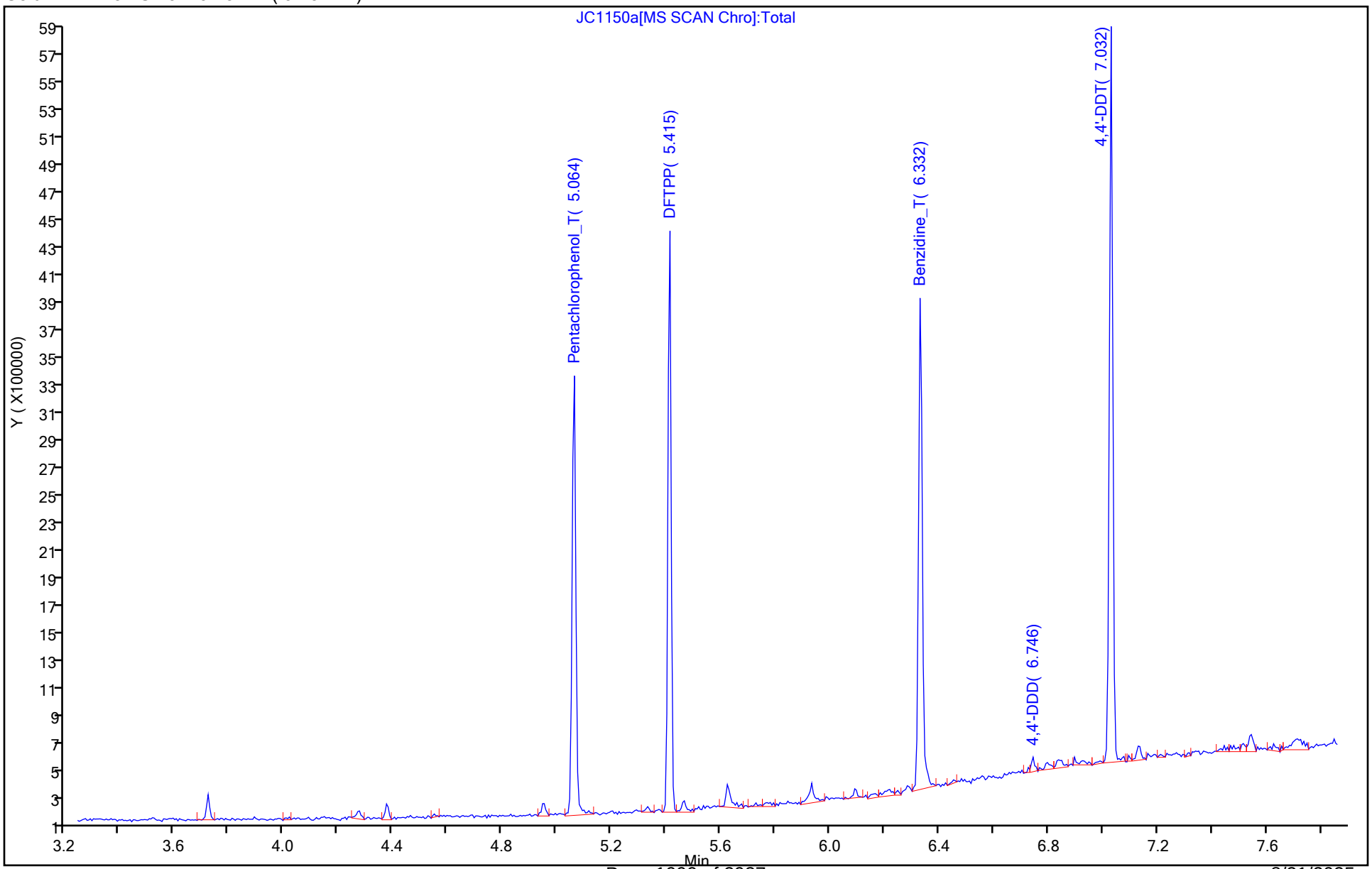
Report Date: 11-Mar-2025 23:31:51 Chrom Revision: 2.3 18-Feb-2025 08:41:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D

Injection Date:	11-Mar-2025 19:17:30	Instrument ID:	HP23264	Operator ID:	ncp102899
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Injection Date: 11-Mar-2025 19:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: ncp102899 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

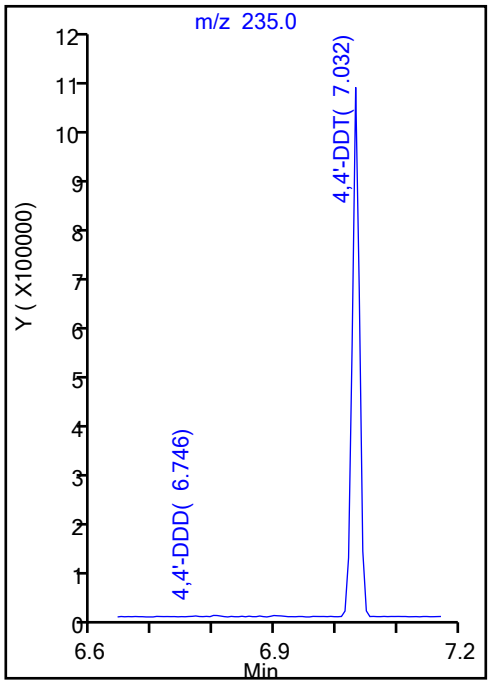
209 4,4'-DDT, Detector: MS SCAN

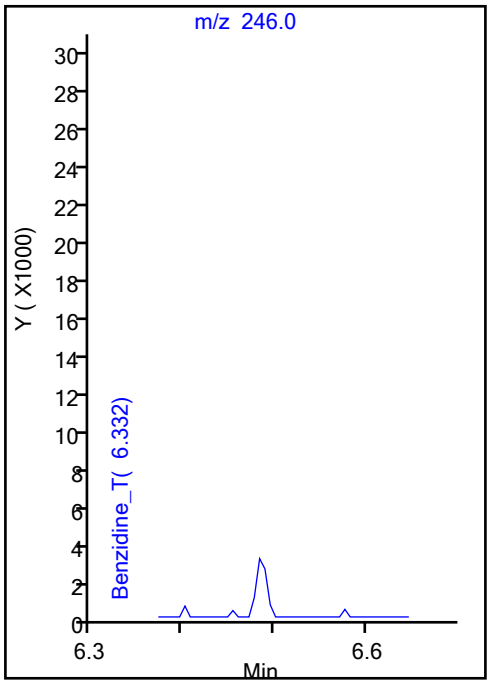
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 909487
210 4,4'-DDD, Area = 343
208 4,4'-DDE, Area = 2488

%Breakdown: 0.31%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

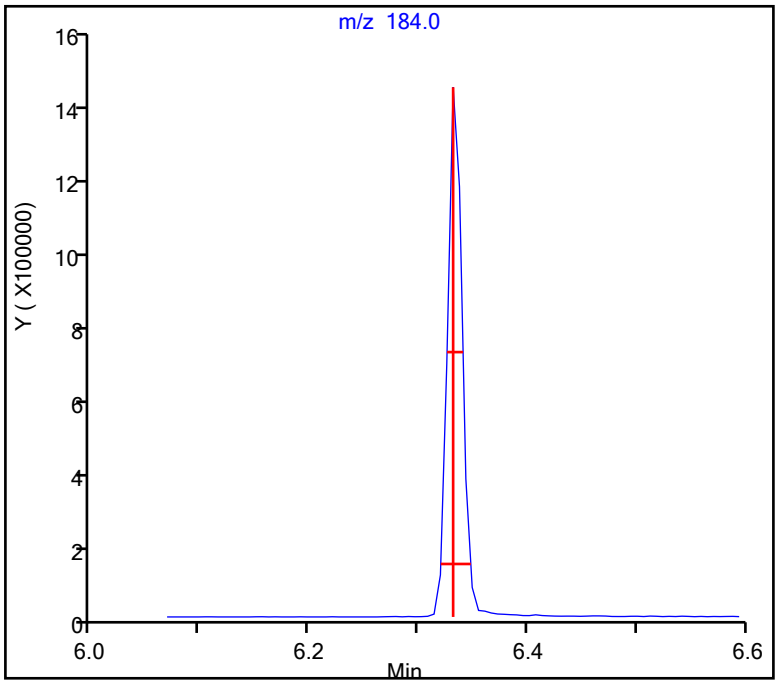
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Injection Date: 11-Mar-2025 19:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: ncp102899 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.45, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

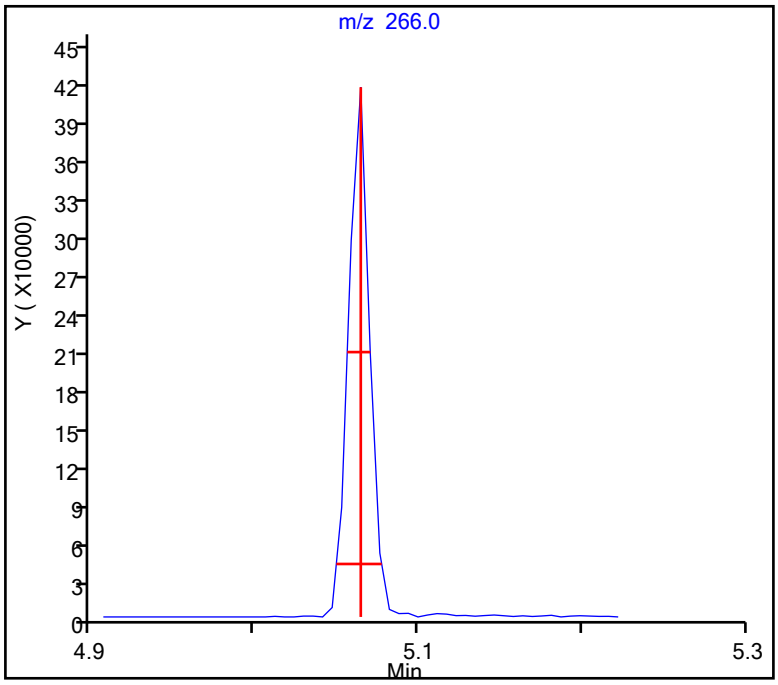
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250311-140533.b\JC1150a.D
Injection Date: 11-Mar-2025 19:17:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: ncp102899 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.87, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 14-Apr-2025 10:59:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 14-Apr-2025 19:44:20 Calib Date: 14-Apr-2025 14:11:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1409.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: W6ZA Date: 14-Apr-2025 11:27:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.953	4.953	0.000	93	350933	NR	NR	
14 Benzidine_T	184	6.226	6.226	0.000	99	1460005	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	6.378	6.378	0.000	6	2489		NR	
210 4,4'-DDD	235	6.688	6.688	0.000	1	4712		NR	a
209 4,4'-DDT	235	6.915	6.915	0.000	98	1052199	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

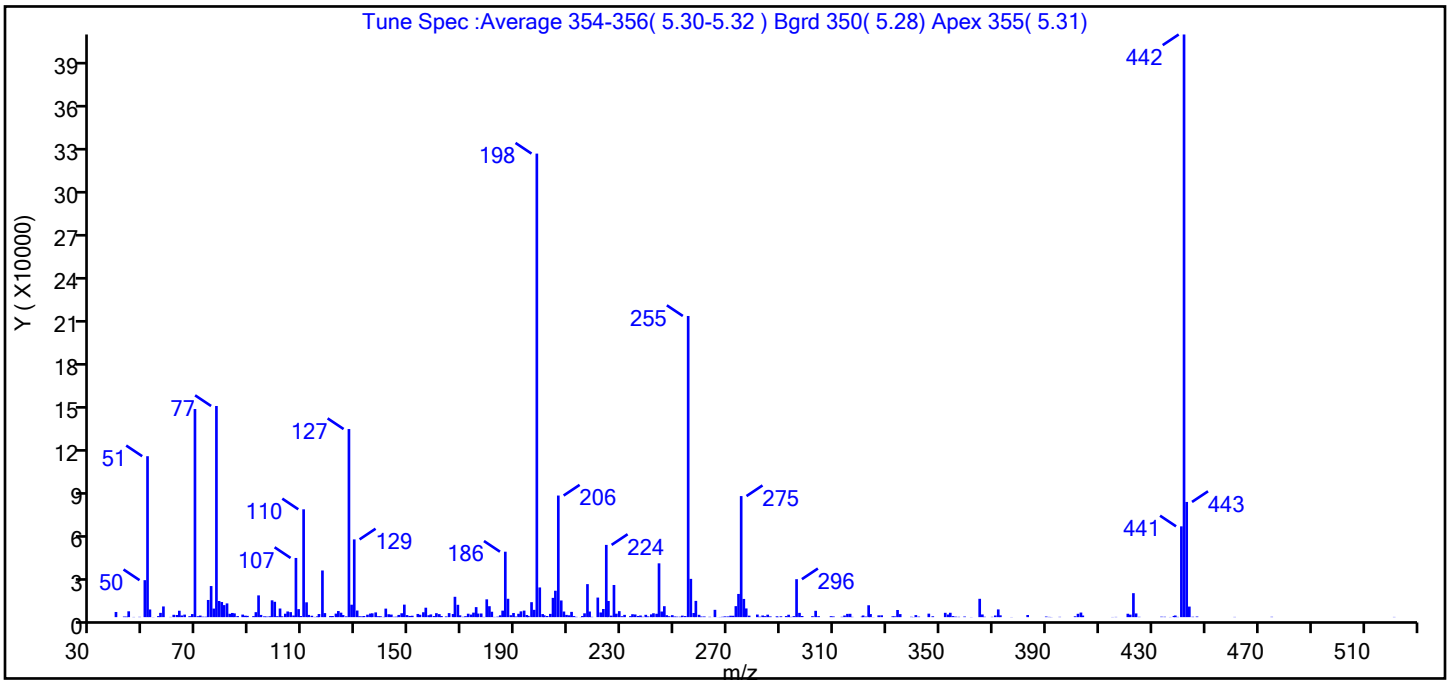
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Injection Date: 14-Apr-2025 10:59:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (79.6)
51	10-80% of the base peak	34.7
68	<2% of mass 69	0.7 (1.5)
69	Present	44.9
70	<2% of mass 69	0.2 (0.4)
127	10-80% of the base peak	40.6
197	<2% of mass 198	1.6
199	5-9% of mass 198	6.4
275	10-60% of the base peak	26.1
365	>1% of mass 198	4.0
441	present but <24% of mass 442	19.6 (15.6)
442	base peak, or >50% of 198	125.7
443	15-24% of mass 442	24.9 (19.8)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 14-Apr-2025 10:59:30
Spectrum: Tune Spec :Average 354-356(5.30-5.32) Bgrd 350(5.28) Apex 355(5.31)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	3602	130.00	4615	211.00	3677	297.00	2979
42.00	434	131.00	625	212.00	732	298.00	790
43.00	395	132.00	520	213.00	199	302.00	667
44.00	4077	133.00	766	214.00	86	303.00	4415
46.00	140	134.00	1723	215.00	793	304.00	652
48.00	213	135.00	2477	216.00	2657	309.00	667
50.00	25768	136.00	2657	217.00	23008	310.00	491
51.00	112144	137.00	3298	218.00	3920	313.00	235
52.00	5342	138.00	655	219.00	213	314.00	1124
53.00	92	139.00	625	221.00	13643	315.00	2283
55.00	732	140.00	177	222.00	3255	316.00	2340
56.00	2978	141.00	5944	223.00	5679	317.00	197
57.00	7455	142.00	2022	224.00	50344	321.00	362
60.00	156	143.00	1789	225.00	11271	321.00	1157
61.00	1638	144.00	250	226.00	1052	322.00	402
62.00	1511	145.00	338	227.00	22408	323.00	8280
63.00	4464	146.00	1543	228.00	2413	324.00	2149
64.00	1167	147.00	2719	229.00	4182	325.00	86
65.00	1764	148.00	8726	230.00	644	327.00	1232
67.00	640	149.00	1435	231.00	1590	328.00	1280
68.00	2129	150.00	839	233.00	695	332.00	597
69.00	145024	151.00	984	234.00	2024	333.00	561
70.00	647	153.00	2227	235.00	1871	334.00	4982
71.00	1104	154.00	1653	236.00	826	335.00	2120
72.00	337	155.00	3416	237.00	1142	339.00	272
73.00	306	156.00	6579	238.00	263	340.00	92
74.00	11966	157.00	1331	239.00	1623	341.00	1421
75.00	21664	158.00	1894	240.00	525	342.00	366
76.00	5968	159.00	745	241.00	1917	346.00	2436
77.00	147136	160.00	2772	242.00	2695	347.00	613
78.00	11245	161.00	2104	243.00	2357	352.00	3015
79.00	10533	162.00	772	244.00	37496	353.00	1829
80.00	8393	164.00	489	245.00	3916	354.00	3044

Report Date: 14-Apr-2025 19:44:20 Chrom Revision: 2.3 08-Apr-2025 13:07:20
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 14-Apr-2025 10:59:30
Spectrum: Tune Spec :Average 354-356(5.30-5.32) Bgrd 350(5.28) Apex 355(5.31)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.00	9577	165.00	2811	246.00	7624	355.00	738
82.00	2343	166.00	2204	247.00	1353	356.00	372
83.00	2918	167.00	14183	248.00	630	357.00	234
84.00	2634	168.00	8602	249.00	1385	359.00	437
85.00	728	169.00	1284	250.00	451	362.00	101
87.00	1784	170.00	241	251.00	356	365.00	12779
88.00	1027	171.00	668	252.00	297	366.00	1866
89.00	880	172.00	2393	253.00	1046	367.00	288
91.00	708	173.00	1765	254.00	750	370.00	216
92.00	3478	174.00	3142	255.00	209856	371.00	1153
93.00	15164	175.00	6989	256.00	26672	372.00	5392
94.00	1551	176.00	2488	257.00	2882	373.00	1278
95.00	552	177.00	2554	258.00	11333	377.00	105
96.00	418	178.00	155	259.00	1620	383.00	1474
97.00	588	179.00	12414	260.00	443	390.00	432
98.00	11719	180.00	7623	261.00	464	391.00	183
99.00	10700	181.00	3772	263.00	244	392.00	107
100.00	659	182.00	165	264.00	25	395.00	211
101.00	6008	183.00	328	265.00	5104	401.00	597
102.00	577	184.00	1267	266.00	57	402.00	2338
103.00	2384	185.00	4540	267.00	126	403.00	3198
104.00	3955	186.00	45600	268.00	268	404.00	1104
105.00	3492	187.00	12803	269.00	528	415.00	120
106.00	1130	188.00	1343	270.00	478	416.00	169
107.00	41248	189.00	2899	271.00	983	421.00	2372
108.00	5586	190.00	425	272.00	953	422.00	1756
109.00	781	191.00	2343	273.00	7670	423.00	16704
110.00	75144	192.00	4028	274.00	16167	424.00	2597
111.00	10334	193.00	4555	275.00	84360	425.00	219
112.00	1565	194.00	1506	276.00	12692	434.00	328
113.00	965	195.00	867	277.00	6062	435.00	273
114.00	152	196.00	10433	278.00	1043	437.00	115
115.00	548	197.00	5098	281.00	1812	438.00	831
116.00	2173	198.00	323008	282.00	295	439.00	1133

Report Date: 14-Apr-2025 19:44:20 Chrom Revision: 2.3 08-Apr-2025 13:07:20
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 14-Apr-2025 10:59:30
Spectrum: Tune Spec :Average 354-356(5.30-5.32) Bgrd 350(5.28) Apex 355(5.31)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 314

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	32512	199.00	20696	283.00	1152	440.00	190
118.00	2810	200.00	2142	284.00	705	441.00	63272
120.00	753	201.00	1270	285.00	1715	442.00	406016
121.00	791	202.00	802	286.00	506	443.00	80272
122.00	2459	203.00	2275	288.00	585	444.00	7365
123.00	4255	204.00	13441	289.00	195	445.00	294
124.00	3117	205.00	18408	290.00	596	447.00	445
125.00	1445	206.00	84736	292.00	759	461.00	159
126.00	509	207.00	11618	293.00	1684	475.00	239
127.00	131072	208.00	3920	294.00	189	521.00	148
128.00	8669	209.00	1573	295.00	719		
129.00	54176	210.00	1279	296.00	26456		

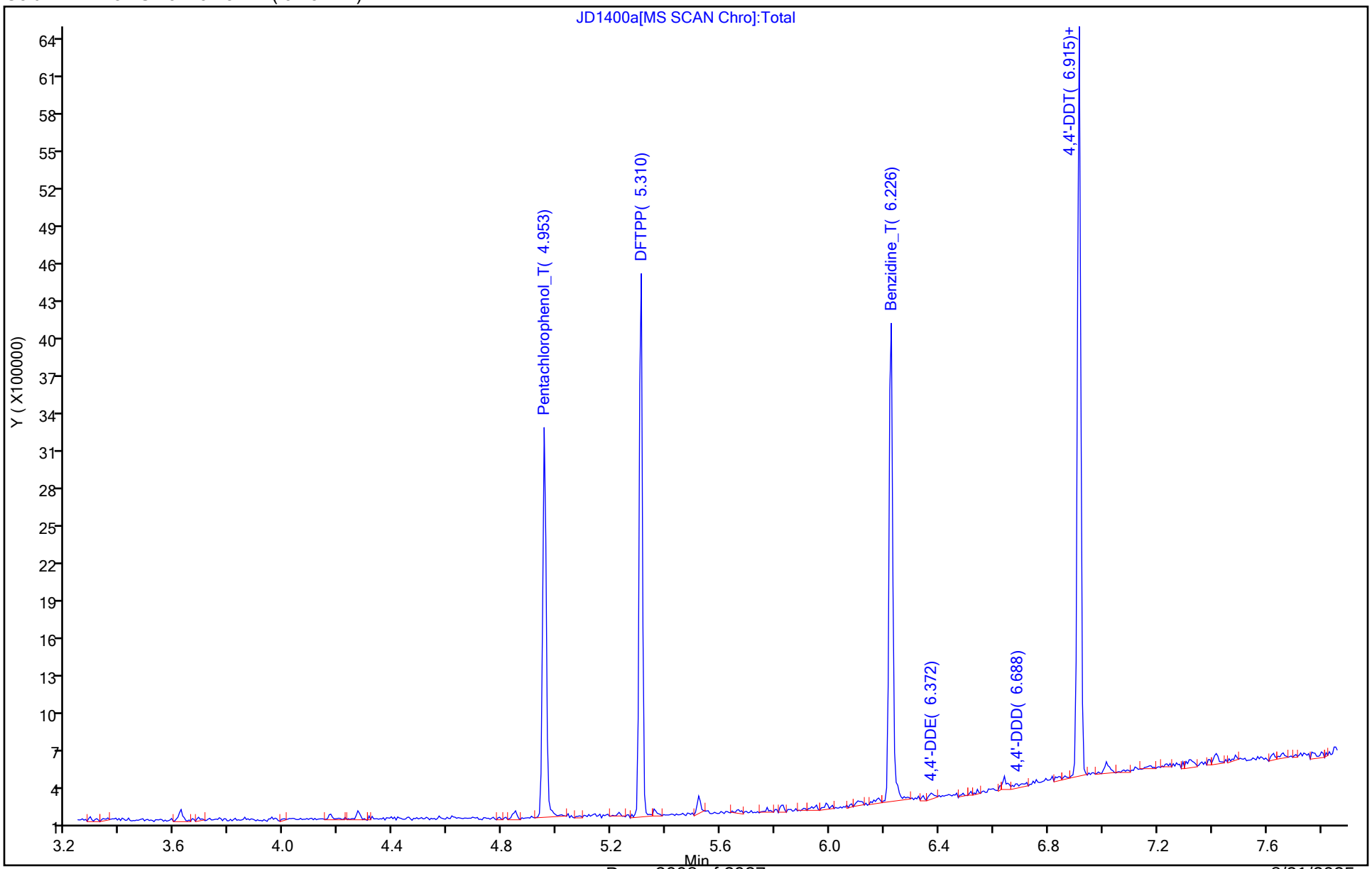
Report Date: 14-Apr-2025 19:44:21 Chrom Revision: 2.3 08-Apr-2025 13:07:20

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D

Injection Date:	14-Apr-2025 10:59:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Injection Date: 14-Apr-2025 10:59:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

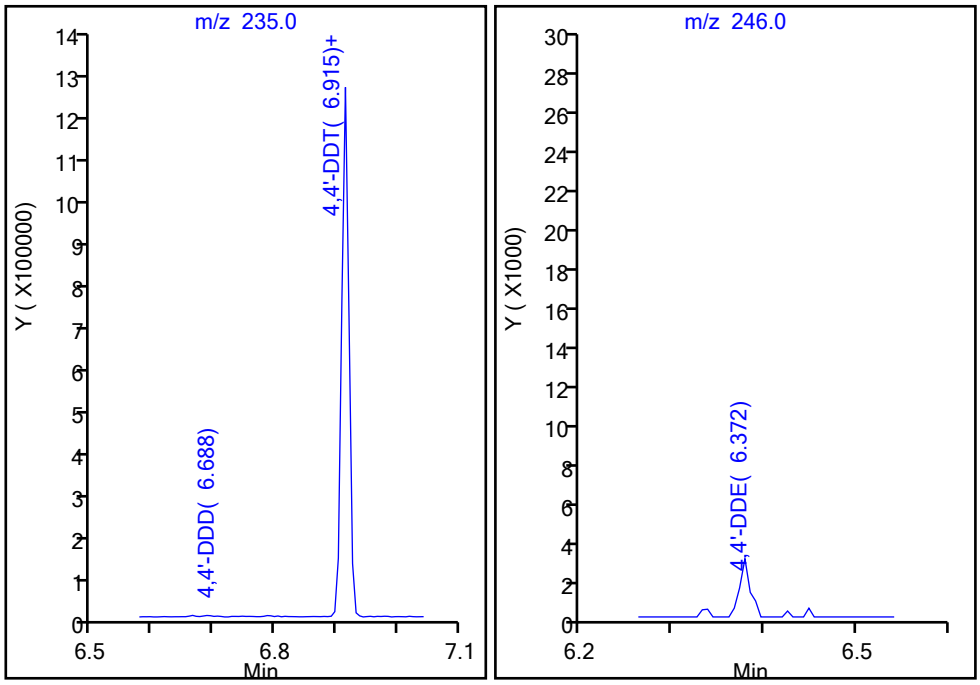
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 1052199
210 4,4'-DDD, Area = 4712
208 4,4'-DDE, Area = 2489

%Breakdown: 0.68%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

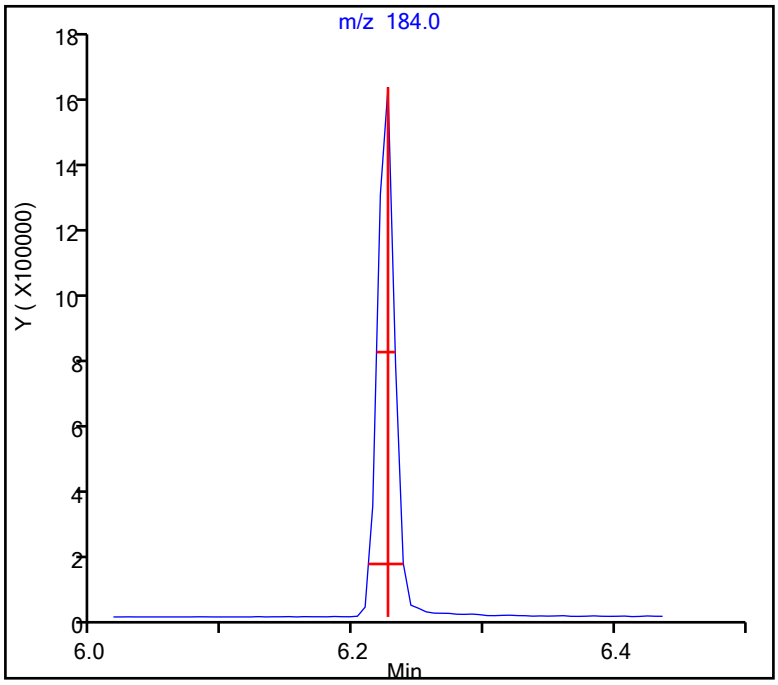
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Injection Date: 14-Apr-2025 10:59:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.80, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

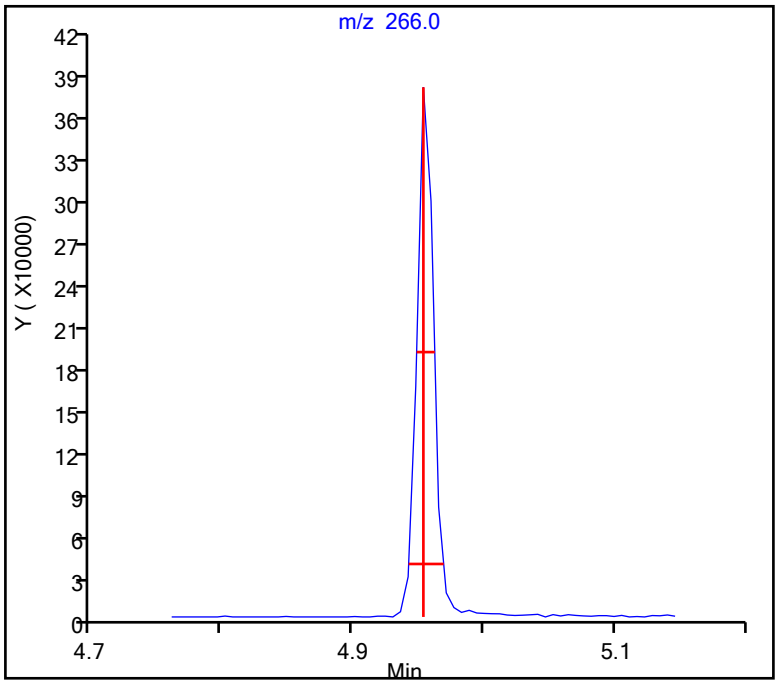
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250414-143944.b\JD1400a.D
Injection Date: 14-Apr-2025 10:59:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.45, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 07-May-2025 23:19:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 08-May-2025 09:49:03 Calib Date: 08-May-2025 06:34:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0770.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1679

First Level Reviewer: WH7Z Date: 07-May-2025 23:43:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.837	4.837	0.000	90	270993	NR	NR	
14 Benzidine_T	184	6.110	6.110	0.000	99	1228364	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	6.262	6.262	0.000	1	1129		NR	
210 4,4'-DDD	235	6.483	6.483	0.000	53	693		NR	a
209 4,4'-DDT	235	6.787	6.787	0.000	97	724598	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

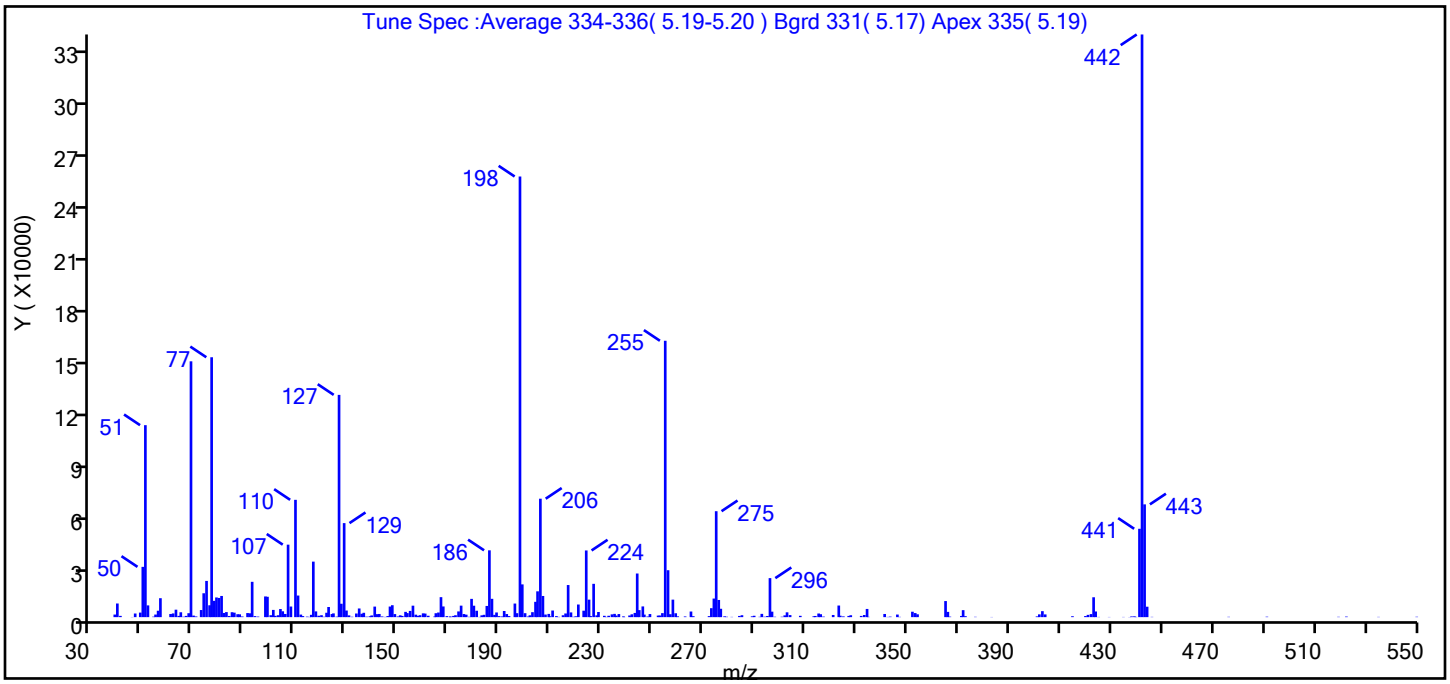
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Injection Date: 07-May-2025 23:19:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (75.6)
51	10-80% of the base peak	43.6
68	<2% of mass 69	0.9 (1.5)
69	Present	58.1
70	<2% of mass 69	0.3 (0.6)
127	10-80% of the base peak	50.4
197	<2% of mass 198	0.9
199	5-9% of mass 198	7.4
275	10-60% of the base peak	24.0
365	>1% of mass 198	3.6
441	present but <24% of mass 442	20.1 (15.2)
442	base peak, or >50% of 198	132.2
443	15-24% of mass 442	25.6 (19.4)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1465	125.00	2127	200.00	2242	293.00	1858
40.00	7738	126.00	280	201.00	356	294.00	257
41.00	724	127.00	126000	202.00	1044	295.00	653
46.00	90	128.00	7589	203.00	2812	296.00	22120
47.00	2062	129.00	53304	204.00	8688	297.00	3109
49.00	2573	130.00	3746	205.00	14635	298.00	230
50.00	28504	131.00	1001	206.00	67144	301.00	236
51.00	108832	132.00	219	207.00	11995	302.00	1005
52.00	6662	134.00	2063	208.00	1473	303.00	2732
54.00	280	135.00	4915	209.00	1839	304.00	1161
55.00	1467	136.00	1920	210.00	499	308.00	752
56.00	3630	137.00	2463	211.00	3754	313.00	496
57.00	10739	138.00	280	212.00	581	314.00	665
61.00	1787	139.00	503	213.00	152	315.00	2058
62.00	2098	140.00	961	215.00	1066	316.00	1652
63.00	4229	141.00	5981	216.00	2078	317.00	312
64.00	715	142.00	1703	217.00	18200	321.00	1226
65.00	2763	143.00	1800	218.00	2675	323.00	6582
66.00	254	144.00	392	219.00	201	324.00	813
67.00	709	145.00	144	220.00	481	325.00	422
68.00	2231	146.00	613	221.00	7162	327.00	697
69.00	145024	147.00	6011	223.00	3654	328.00	1072
70.00	874	148.00	6760	224.00	37800	332.00	691
71.00	388	149.00	1735	225.00	9915	333.00	1216
73.00	4028	150.00	398	226.00	618	334.00	4648
74.00	13536	151.00	1031	227.00	18888	335.00	175
75.00	20528	152.00	686	228.00	1012	341.00	1794
76.00	6726	153.00	2994	229.00	2917	342.00	139
77.00	147328	154.00	2296	231.00	760	343.00	295
78.00	9253	155.00	3528	232.00	144	346.00	1470
79.00	11160	156.00	6500	233.00	775	347.00	156
80.00	10886	157.00	1399	234.00	1577	352.00	3070
81.00	12011	158.00	778	235.00	1855	353.00	2308

Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	2376	159.00	1096	236.00	895	354.00	1604
83.00	2859	160.00	2148	237.00	1748	365.00	9114
84.00	666	161.00	2013	239.00	429	366.00	2984
85.00	2797	162.00	793	239.00	135	367.00	287
86.00	2541	164.00	356	241.00	936	371.00	680
87.00	1650	165.00	2228	242.00	1613	372.00	3961
88.00	1599	166.00	2611	243.00	2386	373.00	549
89.00	374	167.00	11331	244.00	24736	377.00	188
91.00	2316	168.00	6053	245.00	3982	383.00	101
92.00	2184	169.00	573	246.00	6078	401.00	428
93.00	20024	171.00	342	247.00	1441	402.00	1574
94.00	585	171.00	236	248.00	361	403.00	3393
95.00	325	172.00	702	249.00	1754	404.00	1549
98.00	11734	173.00	1072	252.00	872	415.00	515
99.00	11546	174.00	3236	253.00	928	420.00	620
100.00	1089	175.00	6518	254.00	2275	421.00	1291
101.00	4100	176.00	1752	255.00	156672	422.00	1728
102.00	746	177.00	1403	256.00	26600	423.00	11269
103.00	1079	178.00	198	257.00	1667	424.00	3209
104.00	4589	179.00	10358	258.00	9922	425.00	123
105.00	3320	180.00	6476	259.00	2203	429.00	105
106.00	1796	181.00	3620	260.00	458	435.00	117
107.00	41088	182.00	133	263.00	390	437.00	86
108.00	6019	183.00	1025	265.00	3190	438.00	403
110.00	66504	184.00	1316	266.00	531	439.00	457
111.00	12244	185.00	6348	272.00	587	440.00	143
112.00	1449	186.00	37880	273.00	5078	441.00	50088
113.00	603	187.00	10387	274.00	10532	442.00	330304
114.00	295	188.00	1294	275.00	60056	443.00	63936
116.00	147	189.00	2650	276.00	9735	444.00	5913
116.00	1313	190.00	581	277.00	4741	446.00	158
117.00	31472	191.00	391	278.00	463	476.00	184
118.00	3262	192.00	3482	279.00	233	491.00	257
119.00	802	193.00	1752	281.00	142	519.00	192

Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D\MSSemi_HP23264.rslt\spectra
Injection Date: 07-May-2025 23:19:30
Spectrum: Tune Spec :Average 334-336(5.19-5.20) Bgrd 331(5.17) Apex 335(5.19)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	1090	194.00	611	284.00	679	522.00	326
121.00	226	196.00	7704	285.00	1087	535.00	145
122.00	2483	197.00	2246	289.00	457	550.00	223
123.00	5748	198.00	249792	290.00	785		
124.00	1764	199.00	18568	292.00	201		

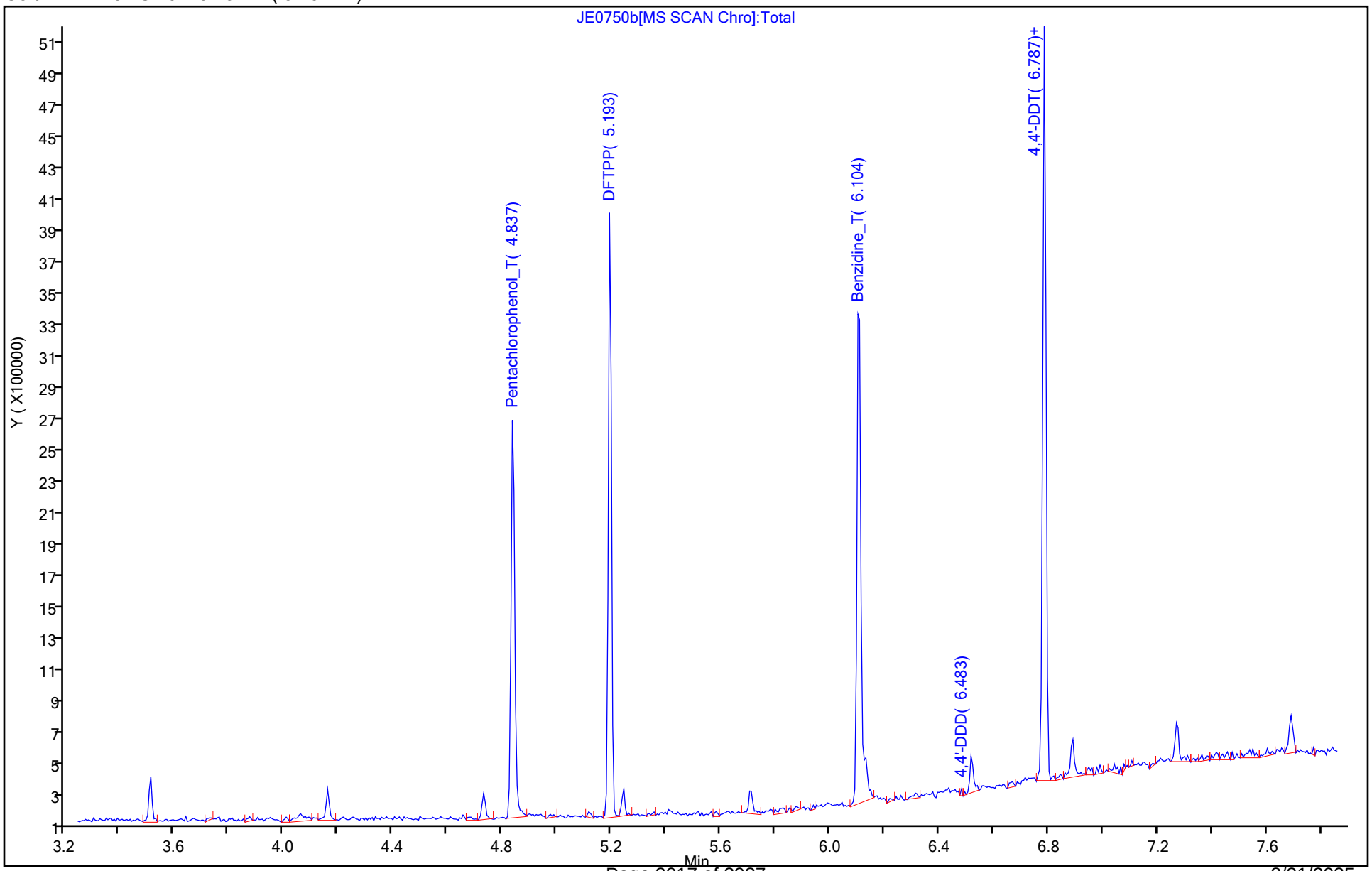
Report Date: 08-May-2025 09:49:03 Chrom Revision: 2.3 18-Apr-2025 15:35:42

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D

Injection Date:	07-May-2025 23:19:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D				
Injection Date:	07-May-2025 23:19:30	Instrument ID:	HP23264		
Lims ID:	DFTPP				
Client ID:					
Operator ID:	IR93211	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

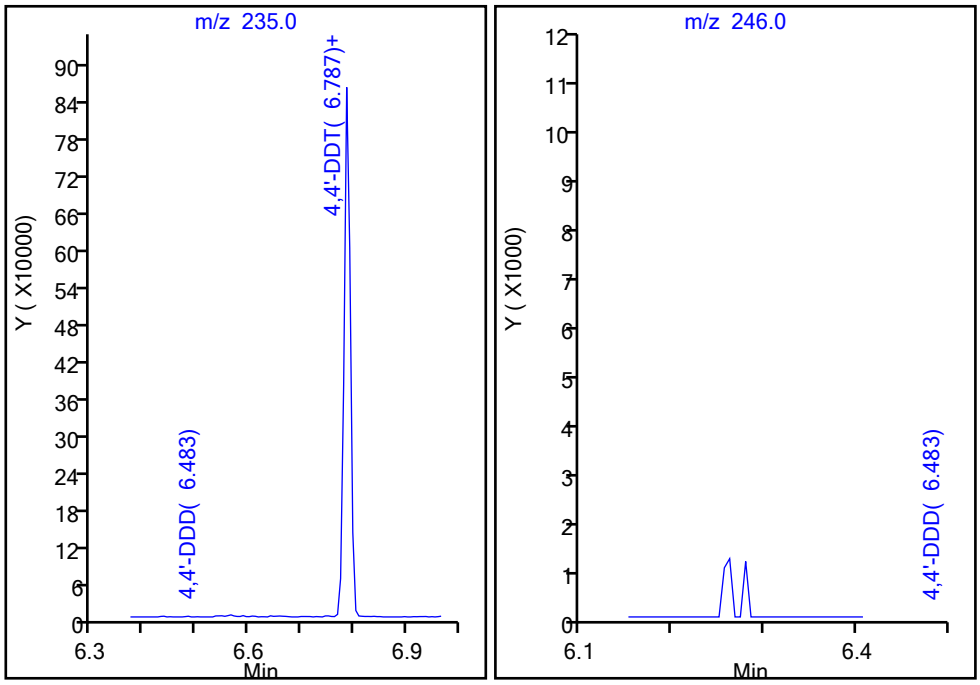
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 724598
210 4,4'-DDD, Area = 693
208 4,4'-DDE, Area = 1129

%Breakdown: 0.25%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

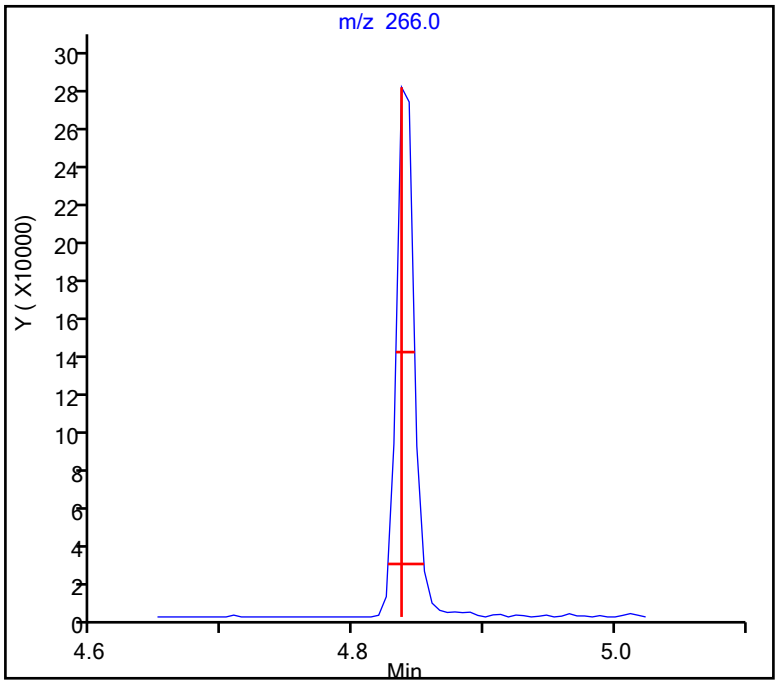
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Injection Date: 07-May-2025 23:19:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.70, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

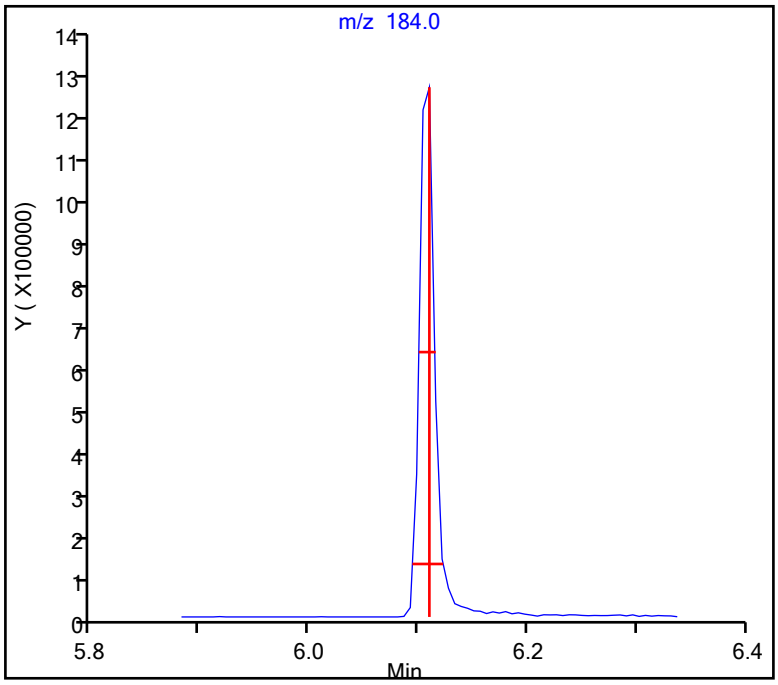
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250507-146504.b\JE0750b.D
Injection Date: 07-May-2025 23:19:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.81, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 25-Jun-2025 22:42:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: IR93211 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 26-Jun-2025 11:08:12 Calib Date: 26-Jun-2025 01:38:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2558.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1725

First Level Reviewer: N5QU Date: 25-Jun-2025 22:59:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.504	4.504	0.000	92	298830	NR	NR	
14 Benzidine_T	184	5.765	5.765	0.000	99	1425627	NR	NR	
207 DFTPP									
208 4,4'-DDE	246	5.911	5.911	0.000	1	966		NR	
210 4,4'-DDD	235	6.320	6.320	0.000	0	3189		NR	a
209 4,4'-DDT	235	6.442	6.442	0.000	99	872076	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

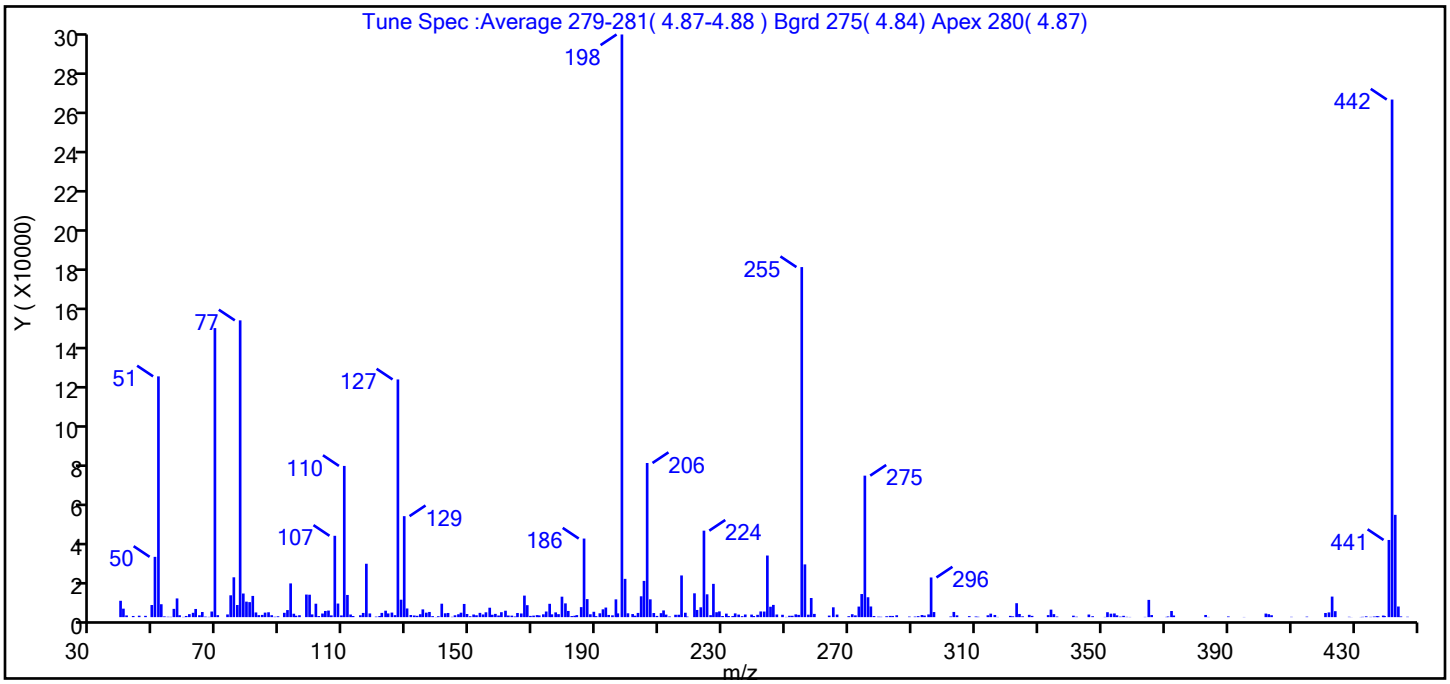
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Injection Date: 25-Jun-2025 22:42:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (112.6)
51	10-80% of the base peak	41.3
68	<2% of mass 69	1.0 (1.9)
69	Present	49.6
70	<2% of mass 69	0.3 (0.7)
127	10-80% of the base peak	40.8
197	<2% of mass 198	0.6
199	5-9% of mass 198	6.6
275	10-60% of the base peak	24.3
365	>1% of mass 198	3.0
441	present but <24% of mass 442	13.2 (14.9)
442	base peak, or >50% of 198	88.8
443	15-24% of mass 442	17.6 (19.8)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 25-Jun-2025 22:42:30
Spectrum: Tune Spec :Average 279-281(4.87-4.88) Bgrd 275(4.84) Apex 280(4.87)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 305

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	8259	125.00	2304	202.00	725	295.00	1370
40.00	4280	126.00	997	203.00	2126	296.00	20024
41.00	861	127.00	119944	204.00	10519	297.00	2565
43.00	593	128.00	8796	205.00	18288	302.00	324
45.00	738	129.00	50960	206.00	77784	303.00	2624
47.00	661	130.00	4376	207.00	8984	304.00	906
49.00	6112	131.00	1079	208.00	2074	308.00	500
50.00	30424	132.00	835	209.00	621	310.00	324
51.00	121496	133.00	676	210.00	2016	311.00	195
52.00	6518	134.00	1475	211.00	3385	314.00	943
53.00	374	135.00	3918	212.00	1279	315.00	1765
54.00	203	136.00	2258	213.00	349	316.00	1097
55.00	156	137.00	2617	215.00	1203	317.00	111
56.00	4176	138.00	505	216.00	1213	321.00	640
57.00	9442	139.00	54	217.00	21040	322.00	412
58.00	961	140.00	457	218.00	2221	323.00	7035
59.00	108	141.00	6786	219.00	296	324.00	1601
60.00	596	142.00	1937	221.00	12022	325.00	418
61.00	1503	143.00	2104	222.00	3623	327.00	1163
62.00	2184	144.00	173	223.00	4975	328.00	641
63.00	4127	145.00	938	224.00	43640	333.00	1012
64.00	953	146.00	1450	225.00	11519	334.00	3789
65.00	2600	147.00	2237	226.00	1004	335.00	1512
66.00	269	148.00	6660	227.00	16800	336.00	310
67.00	144	149.00	1593	228.00	2484	341.00	743
68.00	2835	150.00	451	229.00	2896	342.00	218
69.00	145856	151.00	1326	230.00	576	346.00	1318
70.00	997	152.00	941	231.00	1782	347.00	467
73.00	1364	153.00	2156	232.00	575	351.00	109
74.00	11021	154.00	1356	233.00	550	352.00	2487
75.00	20104	155.00	2444	234.00	1890	353.00	1751
76.00	6125	156.00	4754	235.00	1287	354.00	1859
77.00	149760	157.00	1207	236.00	505	355.00	914

Report Date: 26-Jun-2025 11:08:13 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 25-Jun-2025 22:42:30
Spectrum: Tune Spec :Average 279-281(4.87-4.88) Bgrd 275(4.84) Apex 280(4.87)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 305

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	11919	158.00	1648	237.00	1330	356.00	257
79.00	7820	159.00	820	239.00	1288	357.00	672
80.00	7570	160.00	2496	240.00	564	358.00	167
81.00	10709	161.00	3235	241.00	1176	359.00	100
82.00	2369	162.00	825	242.00	2882	364.00	127
83.00	1006	163.00	762	243.00	2830	365.00	8713
84.00	1122	164.00	322	244.00	31096	366.00	1049
85.00	2288	165.00	2094	245.00	5250	371.00	132
86.00	2457	166.00	1861	246.00	6180	371.00	326
87.00	973	167.00	10869	247.00	1330	372.00	3096
88.00	209	168.00	6041	249.00	1195	373.00	820
89.00	435	169.00	640	250.00	115	383.00	1090
91.00	2184	170.00	775	251.00	701	384.00	122
92.00	3570	171.00	1024	252.00	696	390.00	346
93.00	17024	172.00	875	253.00	1408	395.00	88
94.00	1724	173.00	1430	254.00	1144	402.00	1801
95.00	729	174.00	2847	255.00	176640	403.00	1484
96.00	964	175.00	6730	256.00	26616	404.00	961
97.00	9	176.00	1418	257.00	1247	410.00	157
98.00	11400	177.00	2401	258.00	9661	415.00	263
99.00	11319	178.00	1504	259.00	1636	421.00	2097
100.00	1380	179.00	10326	264.00	780	422.00	2390
101.00	6780	180.00	6944	265.00	4965	423.00	10373
102.00	535	181.00	3126	266.00	1293	424.00	3012
103.00	1825	182.00	552	270.00	477	428.00	178
104.00	3117	183.00	698	271.00	1470	429.00	43
105.00	3316	184.00	1019	272.00	885	432.00	92
106.00	886	185.00	5057	273.00	5330	433.00	171
107.00	41048	186.00	39656	274.00	11663	434.00	415
108.00	6862	187.00	9104	275.00	71400	435.00	150
109.00	866	188.00	1449	276.00	10041	436.00	307
110.00	76304	189.00	2709	277.00	5377	437.00	508
111.00	11200	190.00	500	278.00	549	438.00	426
112.00	1322	191.00	1940	279.00	244	439.00	787

Report Date: 26-Jun-2025 11:08:13 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D\MSSemi_HP23264.rslt\spectra
Injection Date: 25-Jun-2025 22:42:30
Spectrum: Tune Spec :Average 279-281(4.87-4.88) Bgrd 275(4.84) Apex 280(4.87)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 305

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	564	192.00	3944	280.00	184	440.00	592
115.00	949	193.00	4840	282.00	456	441.00	38944
116.00	2128	194.00	1107	283.00	627	442.00	261184
117.00	26944	195.00	914	284.00	610	443.00	51624
118.00	1870	196.00	8977	285.00	958	444.00	5366
120.00	267	197.00	1898	289.00	295	445.00	374
121.00	569	198.00	294016	291.00	287	447.00	200
122.00	2140	199.00	19320	292.00	506		
123.00	3254	200.00	1938	293.00	1070		
124.00	1871	201.00	1563	294.00	790		

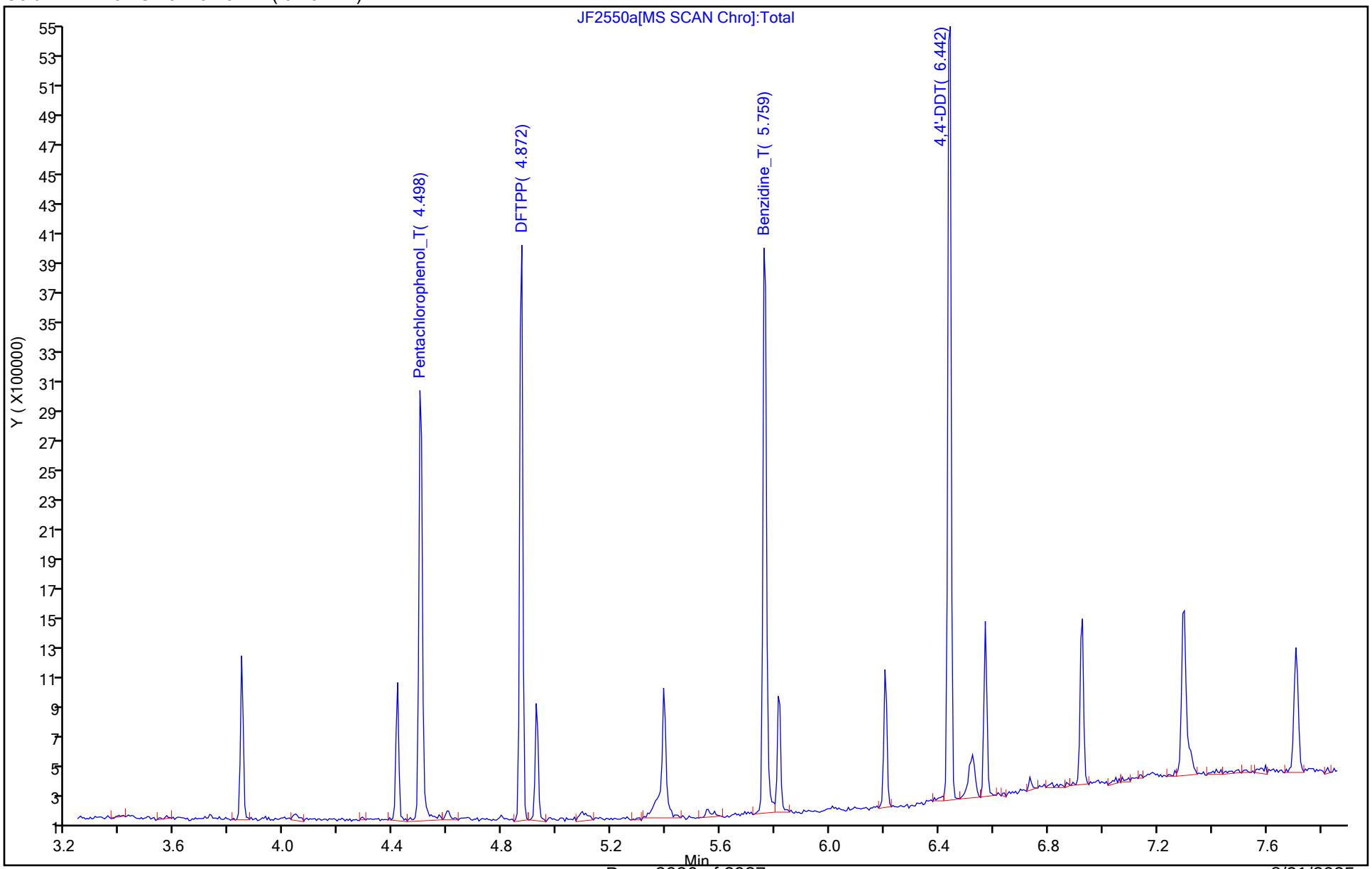
Report Date: 26-Jun-2025 11:08:13 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D

Injection Date:	25-Jun-2025 22:42:30	Instrument ID:	HP23264	Operator ID:	IR93211
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Injection Date: 25-Jun-2025 22:42:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

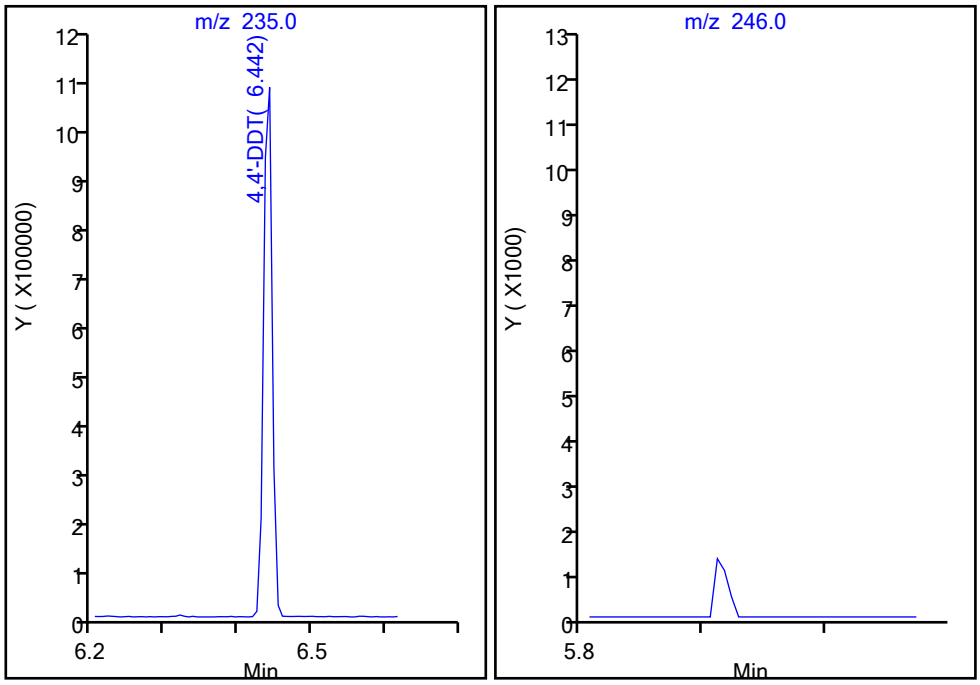
209 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 872076
210 4,4'-DDD, Area = 3189
208 4,4'-DDE, Area = 966

%Breakdown: 0.47%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

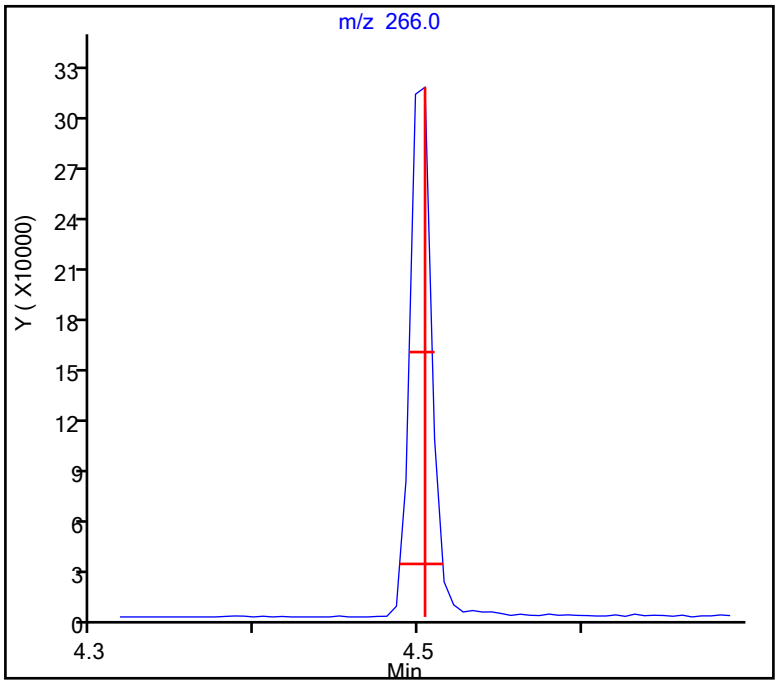
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Injection Date: 25-Jun-2025 22:42:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.69, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

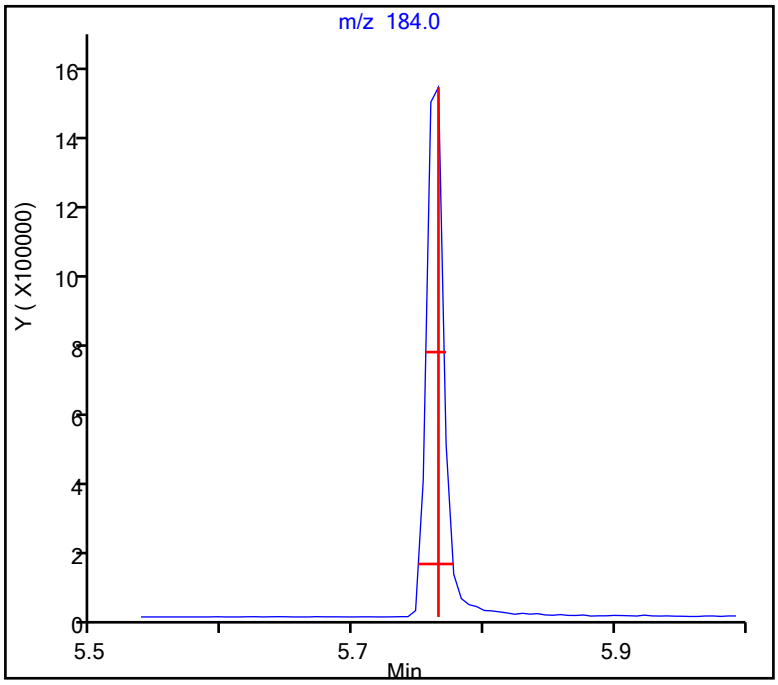
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250625-151575.b\JF2550a.D
Injection Date: 25-Jun-2025 22:42:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: IR93211 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.73, Max. Tailing <= 2.00
Passed



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Aug-2025 07:05:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 10:14:17 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: W6ZA Date: 06-Aug-2025 07:24:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
10 Pentachlorophenol_T	266	4.399	4.399	0.000	92	319344	NR	NR	
14 Benzidine_T	184	5.666	5.666	0.000	99	1539542	NR	NR	
207 DFTPP									
208 4,4'-DDE	246		5.818					ND	U
209 4,4'-DDT	235	6.343	6.343	0.000	98	956327	NR	NR	
210 4,4'-DDD	235		6.343					ND	U

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
U - Marked Undetected

Reagents:

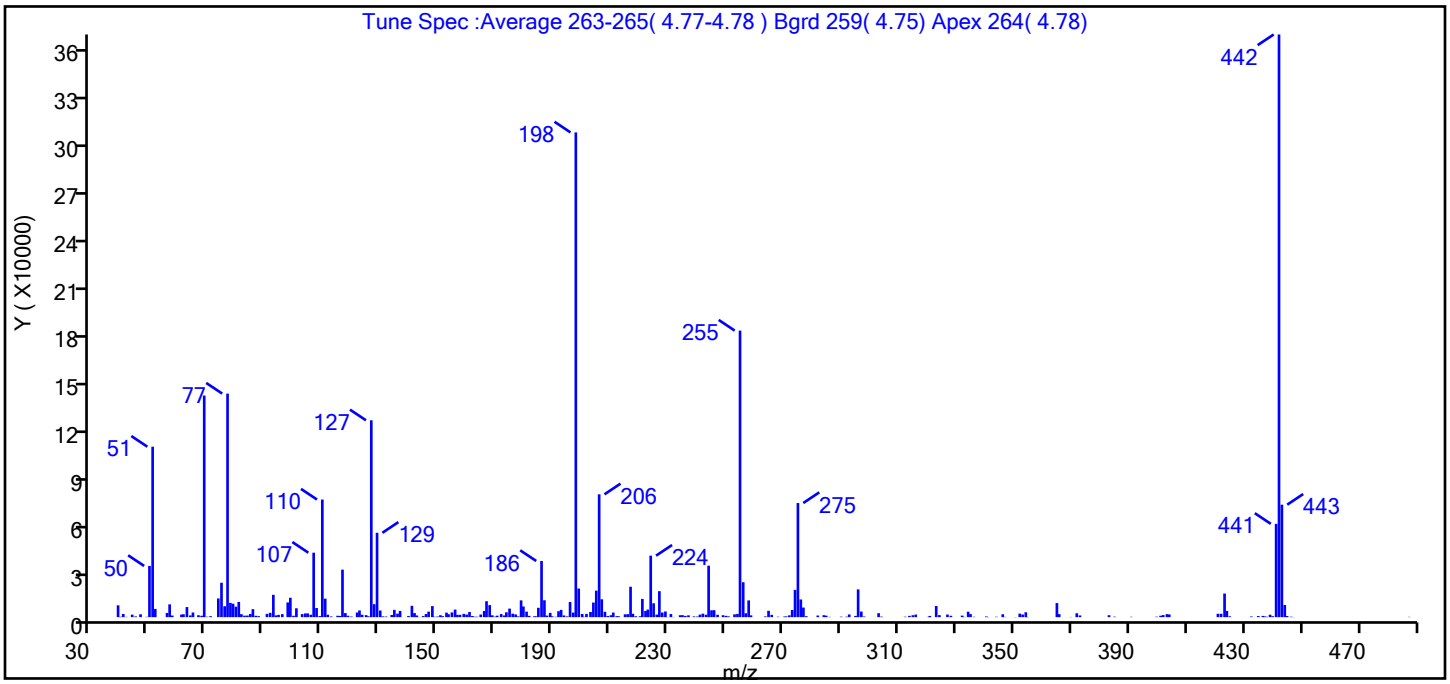
MSS_RVDFTPP_00018 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Injection Date: 06-Aug-2025 07:05:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI
Tune Method: DFTPP Method 8270D, BP 198

207 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (83.2)
51	10-80% of the base peak	35.2
68	<2% of mass 69	0.3 (0.6)
69	Present	45.7
70	<2% of mass 69	0.1 (0.2)
127	10-80% of the base peak	40.6
197	<2% of mass 198	0.9
199	5-9% of mass 198	5.9
275	10-60% of the base peak	23.5
365	>1% of mass 198	2.9
441	present but <24% of mass 442	19.2 (16.0)
442	base peak, or >50% of 198	120.2
443	15-24% of mass 442	23.2 (19.3)

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D\MSSemi_HP23264.rslt\spectra
Injection Date: 06-Aug-2025 07:05:30
Spectrum: Tune Spec :Average 263-265(4.77-4.78) Bgrd 259(4.75) Apex 264(4.78)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	7438	126.00	529	199.00	17992	284.00	1226
40.00	256	127.00	123768	200.00	1997	285.00	913
41.00	1997	128.00	8153	201.00	220	286.00	175
42.00	166	129.00	53040	202.00	2036	290.00	290
44.00	1564	130.00	4175	203.00	3254	292.00	296
45.00	462	131.00	471	204.00	9174	293.00	1697
47.00	1792	132.00	379	205.00	16672	295.00	761
49.00	194	134.00	1347	206.00	77224	296.00	17456
50.00	32176	135.00	4563	207.00	11227	297.00	3511
51.00	107168	136.00	2175	208.00	3368	298.00	382
52.00	5176	137.00	3908	209.00	712	303.00	2497
56.00	2629	140.00	692	210.00	1188	304.00	340
57.00	8047	141.00	7112	211.00	2896	312.00	278
58.00	996	142.00	2562	212.00	611	314.00	806
61.00	1623	143.00	1047	213.00	526	315.00	1212
62.00	1805	144.00	111	215.00	1784	316.00	1616
63.00	6346	145.00	662	216.00	1847	320.00	241
64.00	1072	146.00	1941	217.00	19112	321.00	764
65.00	2922	147.00	3459	218.00	2112	323.00	7032
67.00	1204	148.00	6934	219.00	573	324.00	1279
68.00	872	149.00	268	220.00	553	327.00	1635
69.00	139328	150.00	381	221.00	11463	328.00	846
70.00	277	151.00	1202	222.00	3901	332.00	967
71.00	608	152.00	595	223.00	4761	333.00	143
74.00	11750	153.00	2834	224.00	38648	334.00	3415
75.00	21632	154.00	1841	225.00	8729	335.00	1913
76.00	6880	155.00	2968	226.00	1596	336.00	235
77.00	140544	156.00	4759	227.00	16334	340.00	419
78.00	8970	157.00	1416	228.00	2914	341.00	114
79.00	8441	158.00	1459	229.00	3555	344.00	257
80.00	6594	159.00	2067	230.00	83	346.00	1814
81.00	9570	160.00	1607	231.00	1952	347.00	162
82.00	1868	161.00	3241	232.00	134	351.00	93

Report Date: 06-Aug-2025 10:14:17 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D\MSSemi_HP23264.rslt\spectra
Injection Date: 06-Aug-2025 07:05:30
Spectrum: Tune Spec :Average 263-265(4.77-4.78) Bgrd 259(4.75) Apex 264(4.78)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	950	162.00	713	234.00	1189	352.00	2210
84.00	997	163.00	278	235.00	1263	353.00	1658
85.00	2023	164.00	235	236.00	784	354.00	3067
86.00	5024	165.00	1646	237.00	1139	355.00	148
87.00	869	166.00	3869	239.00	459	365.00	8851
88.00	635	167.00	10014	240.00	385	366.00	1876
91.00	2057	168.00	7574	241.00	1584	370.00	123
92.00	2719	169.00	1137	242.00	2180	372.00	2444
93.00	14043	170.00	317	243.00	1529	373.00	1066
94.00	1094	171.00	927	244.00	32376	383.00	1215
95.00	1433	172.00	1931	245.00	4309	385.00	300
96.00	1878	173.00	1074	246.00	4380	391.00	219
98.00	9248	174.00	3043	247.00	1480	400.00	276
99.00	12194	175.00	5368	249.00	1209	401.00	899
100.00	853	176.00	2182	250.00	810	402.00	1297
101.00	5570	177.00	1707	251.00	495	403.00	1886
103.00	1919	178.00	484	253.00	1764	404.00	1688
104.00	2318	179.00	10542	254.00	2032	421.00	2120
105.00	2355	180.00	6691	255.00	180160	422.00	2137
106.00	1510	181.00	3462	256.00	21960	423.00	14837
107.00	40520	182.00	810	257.00	2450	424.00	3905
108.00	5729	184.00	497	258.00	10525	425.00	520
109.00	653	184.00	493	259.00	1110	432.00	405
110.00	73936	185.00	5875	264.00	454	435.00	696
111.00	11609	186.00	35304	265.00	3983	436.00	761
112.00	1520	187.00	10615	266.00	1431	437.00	437
113.00	415	188.00	990	268.00	261	438.00	233
115.00	874	189.00	2692	270.00	332	439.00	1526
116.00	728	190.00	519	271.00	466	440.00	586
117.00	29872	191.00	235	272.00	1122	441.00	58656
118.00	2556	192.00	3724	273.00	4485	442.00	366336
119.00	861	193.00	4575	274.00	17152	443.00	70704
120.00	369	194.00	1075	275.00	71752	444.00	7644
122.00	2882	195.00	461	276.00	11117	445.00	719

Report Date: 06-Aug-2025 10:14:17 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D\MSSemi_HP23264.rslt\spectra
Injection Date: 06-Aug-2025 07:05:30
Spectrum: Tune Spec :Average 263-265(4.77-4.78) Bgrd 259(4.75) Apex 264(4.78)
Base Peak: 442.10
Minimum % Base Peak: 0
Number of Points: 280

m/z	Y	m/z	Y	m/z	Y	m/z	Y
123.00	4213	196.00	9507	277.00	6035	446.00	281
124.00	1504	197.00	2875	278.00	597	447.00	84
125.00	1268	198.00	304768	282.00	1010	487.00	186

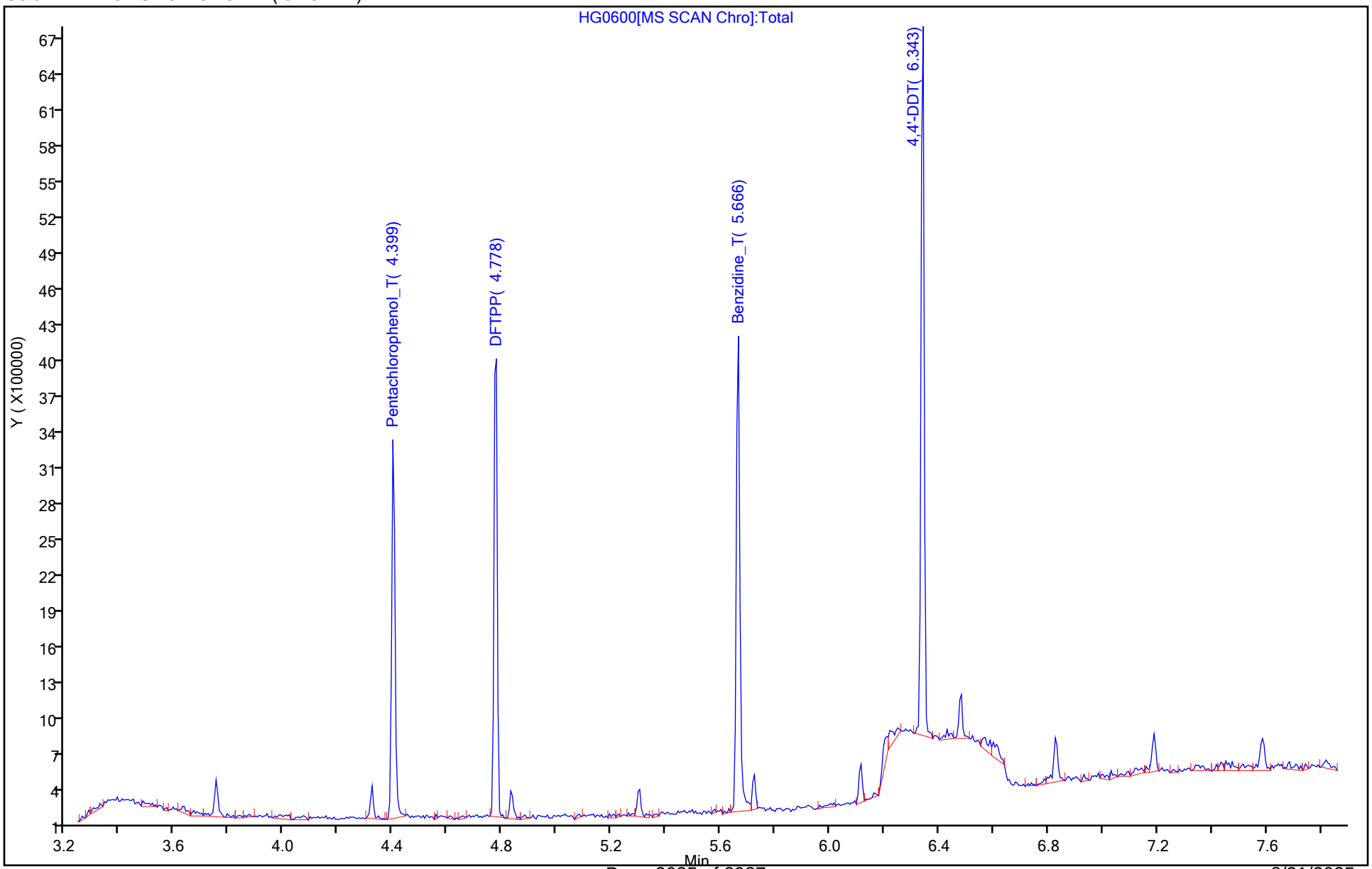
Report Date: 06-Aug-2025 10:14:17 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D

Injection Date:	06-Aug-2025 07:05:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



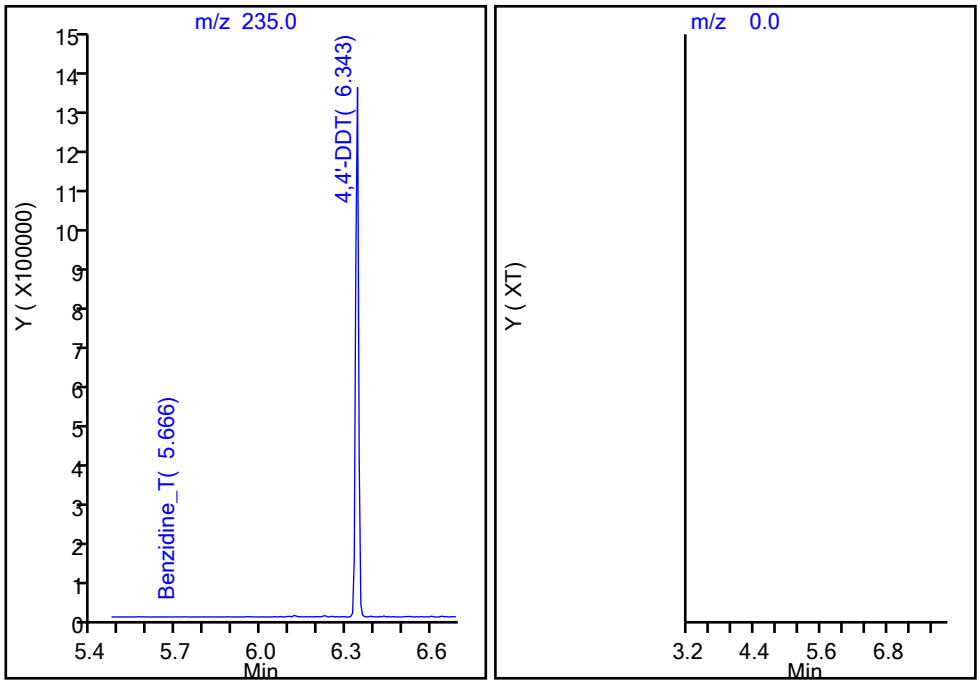
8/21/2025
7:28:43 PM

Breakdown Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Injection Date: 06-Aug-2025 07:05:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

209 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

209 4,4'-DDT, Area = 956327
210 4,4'-DDD, Area = 0
208 4,4'-DDE, Area = 0

%Breakdown: 0.00%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

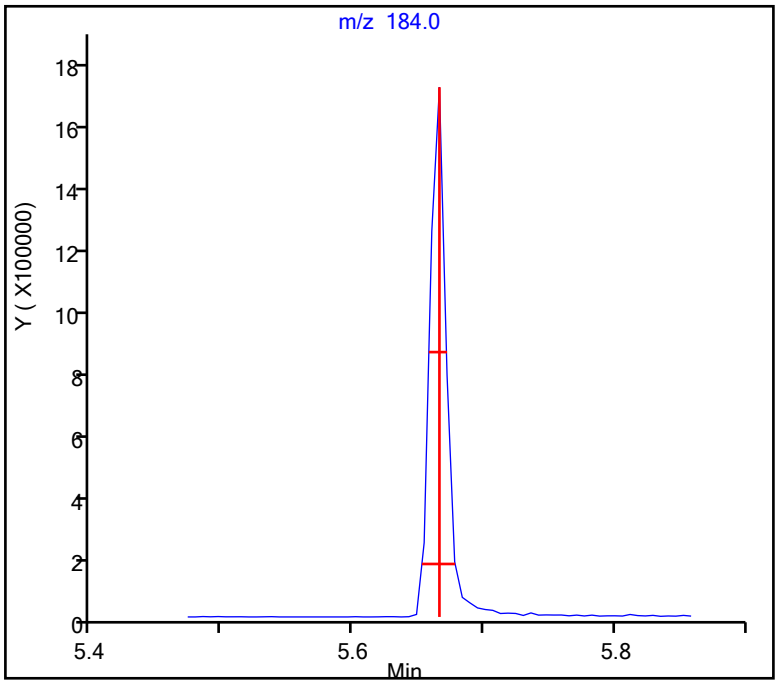
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Injection Date: 06-Aug-2025 07:05:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

14 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 0.92, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Lancaster Laboratories Environment Testing, LLC

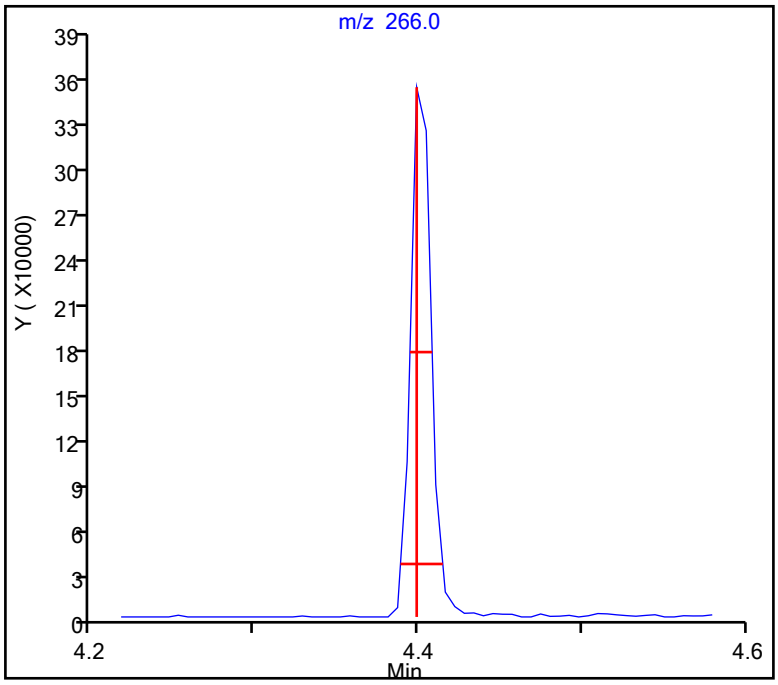
Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0600.D
Injection Date: 06-Aug-2025 07:05:30 Instrument ID: HP23264
Lims ID: DFTPP
Client ID:
Operator ID: CJS101602 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: MSSemi_HP23264 Limit Group: MSSV - 8270D_E LVI

10 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.016 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.60, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-681120/1-A

Matrix: Water
Lab File ID: HG0611.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 11:47

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
121-14-2	2,4-Dinitrotoluene	ND		10	
606-20-2	2,6-Dinitrotoluene	ND		10	
84-66-2	Diethyl phthalate	ND		5.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	79		13-134
321-60-8	2-Fluorobiphenyl (Surr)	82		45-120
367-12-4	2-Fluorophenol (Surr)	51		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	63		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	98		26-123
4165-62-2	Phenol-d5 (Surr)	36		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D
Lims ID: MB 410-681120/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2025 11:47:30 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-681120/1-A
Misc. Info.: 410-0155656-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:09:02

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	2 N-Nitrosodimethylamine	74		1.560					ND	7
$	9 2-Fluorophenol	112	2.635	2.635	0.000	94	341676	25.0	12.7	
	11 N-Nitrosodiethylamine	102		2.839					ND	
	12 Ethyl methanesulfonate	109		3.143					ND	
$	15 Phenol-d5	99	3.563	3.563	0.000	95	364884	25.0	9.02	
	17 Aniline	93		3.575					ND	7
	16 Phenol	94		3.575					ND	7
	18 Bis(2-chloroethyl)ether	93		3.645					ND	7
	19 2-Chlorophenol	128		3.692					ND	7
	21 1,3-Dichlorobenzene	146		3.832					ND	7
*	22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	98	110599	5.00	5.00	
	23 1,4-Dichlorobenzene	146		3.908					ND	7
	26 Benzyl alcohol	108		4.048					ND	7
	27 1,2-Dichlorobenzene	146		4.054					ND	
	29 2-Methylphenol	108		4.171					ND	
	30 2,2'-oxybis[1-chloropropane]	45		4.176					ND	7
	31 N-Nitrosopyrrolidine	100		4.287					ND	7
	33 N-Nitrosodi-n-propylamine	70		4.305					ND	7
	35 N-Nitrosomorpholine	56		4.328					ND	
	34 4-Methylphenol	108		4.328					ND	7
	37 Hexachloroethane	117		4.375					ND	7
$	39 Nitrobenzene-d5	82	4.439	4.440	-0.006	88	760152	25.0	15.9	
	40 Nitrobenzene	77		4.462					ND	U
	41 N-Nitrosopiperidine	114		4.614					ND	
	42 Isophorone	82		4.702					ND	7
	43 2-Nitrophenol	139		4.772					ND	7
	44 2,4-Dimethylphenol	107		4.842					ND	
	46 o,o',o''-Triethylphosphorothioat	198		4.900					ND	
	47 Bis(2-chloroethoxy)methane	93		4.930					ND	
	48 Benzoic acid	105		4.941					ND	
	49 2,4-Dichlorophenol	162		5.017					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
50 1,2,4-Trichlorobenzene	180		5.081					ND	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	99	401849	5.00	5.00	
53 Naphthalene	128		5.151					ND	7
56 4-Chloroaniline	127		5.227					ND	
57 2,6-Dichlorophenol	162		5.227					ND	
58 Hexachloropropene	213		5.239					ND	
63 N-Nitrosodi-n-butylamine	84		5.560					ND	7
65 4-Chloro-3-methylphenol	107		5.724					ND	
66 Safrole, Total	162		5.759					ND	
67 2-Methylnaphthalene	142		5.823					ND	7
71 Hexachlorocyclopentadiene	237		5.975					ND	7
70 1,2,4,5-Tetrachlorobenzene	216		5.986					ND	7
79 2,4,6-Trichlorophenol	196		6.109					ND	
80 2,4,5-Trichlorophenol	196		6.150					ND	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1333922	25.0	20.4	
84 2-Chloronaphthalene	162		6.284					ND	7
87 2-Nitroaniline	138		6.407					ND	
90 Dimethyl phthalate	163		6.594					ND	7
91 1,3-Dinitrobenzene	168		6.617					ND	7
92 2,6-Dinitrotoluene	165		6.646					ND	U
93 Acenaphthylene	152		6.675					ND	7
95 3-Nitroaniline	138		6.804					ND	7
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	95	230496	5.00	5.00	
97 Acenaphthene	153		6.845					ND	7
98 2,4-Dinitrophenol	184		6.909					ND	7
99 Pentachlorobenzene	250		6.973					ND	7
100 4-Nitrophenol	109		7.002					ND	7
101 Dibenzofuran	168		7.008					ND	7
102 2,4-Dinitrotoluene	165		7.026					ND	7
105 2,3,4,6-Tetrachlorophenol	232		7.143					ND	
107 Diethyl phthalate	149		7.265					ND	7
108 Fluorene	166		7.335					ND	
109 Thionazin	107		7.341					ND	7
110 4-Chlorophenyl phenyl ether	204		7.347					ND	
111 N-Nitro-o-toluidine	152		7.364					ND	
112 4-Nitroaniline	138		7.382					ND	
113 4,6-Dinitro-2-methylphenol	198		7.411					ND	7
114 N-Nitrosodiphenylamine	169		7.470					ND	U
115 1,2-Diphenylhydrazine	77		7.499					ND	
$ 116 2,4,6-Tribromophenol	330	7.563	7.569	-0.006	93	215787	25.0	19.7	
117 Sulfotepp	97		7.645					ND	7
120 cis-Diallate	86		7.750					ND	7
119 Phorate	75		7.756					ND	7
121 Phenacetin	108		7.791					ND	
122 4-Bromophenyl phenyl ether	248		7.808					ND	
123 trans-Diallate	86		7.826					ND	U
124 Hexachlorobenzene	284		7.855					ND	7
125 Dimethoate	87		7.919					ND	7
127 Pentachlorophenol	266		8.053					ND	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	441022	5.00	5.00	
132 Phenanthrene	178		8.240					ND	7
135 Anthracene	178		8.287					ND	7

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
136 Carbazole	167		8.462					ND	
138 Di-n-butyl phthalate	149		8.824					ND	7
143 Isodrin	193		9.215					ND	7
144 Fluoranthene	202		9.367					ND	7
145 Benzidine	184		9.525					ND	7
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	98	481661	5.00	5.00	
147 Pyrene	202		9.577					ND	U
S 68 Diallate	86		9.653					ND	7
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1588597	25.0	24.4	
154 Kepone	272		10.214					ND	
153 Butyl benzyl phthalate	149		10.249					ND	7
156 Benzo[a]anthracene	228		10.763					ND	
157 3,3'-Dichlorobenzidine	252		10.769					ND	7
159 Chrysene	228		10.804					ND	
160 Bis(2-ethylhexyl) phthalate	149		10.880					ND	7
162 Di-n-octyl phthalate	149		11.650					ND	7
164 Benzo[b]fluoranthene	252		12.018					ND	7
165 Benzo[k]fluoranthene	252		12.053					ND	7
166 Benzo[a]pyrene	252		12.427					ND	U
* 167 Perylene-d12	264	12.497	12.509	-0.012	98	382450	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276		13.939					ND	7
172 Dibenz(a,h)anthracene	278		13.986					ND	7
173 Benzo[g,h,i]perylene	276		14.290					ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

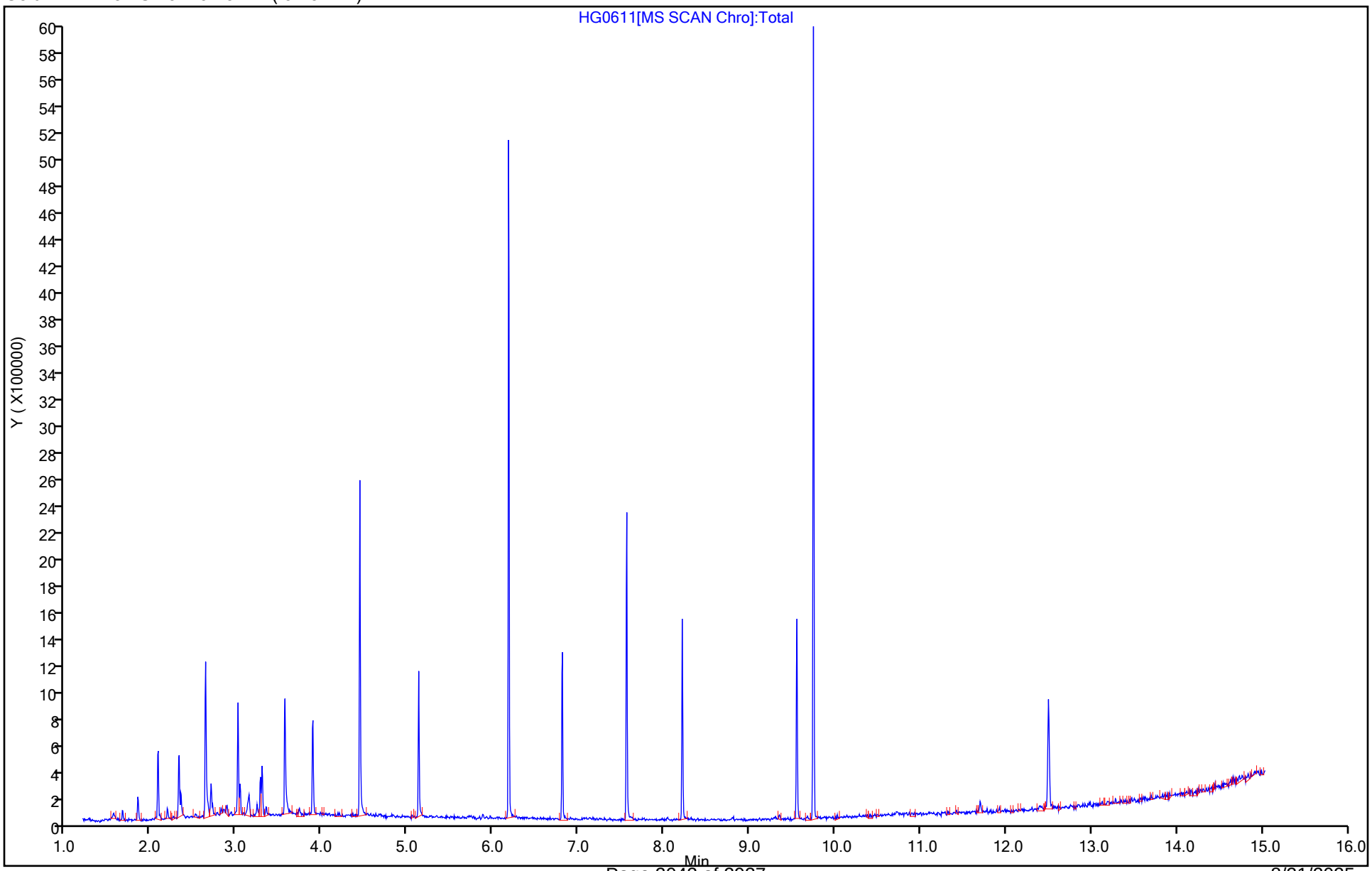
Report Date: 06-Aug-2025 17:27:08 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D

Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	MB 410-681120/1-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D
Lims ID: MB 410-681120/1-A
Client ID:
Sample Type: MB
Inject. Date: 06-Aug-2025 11:47:30 ALS Bottle#: 9 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-681120/1-A
Misc. Info.: 410-0155656-008
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:09:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	12.7	50.61
$ 15 Phenol-d5	25.0	9.02	36.07
$ 39 Nitrobenzene-d5	25.0	15.9	63.43
$ 81 2-Fluorobiphenyl (Surr)	25.0	20.4	81.52
$ 116 2,4,6-Tribromophenol	25.0	19.7	78.69
$ 148 p-Terphenyl-d14	25.0	24.4	97.76

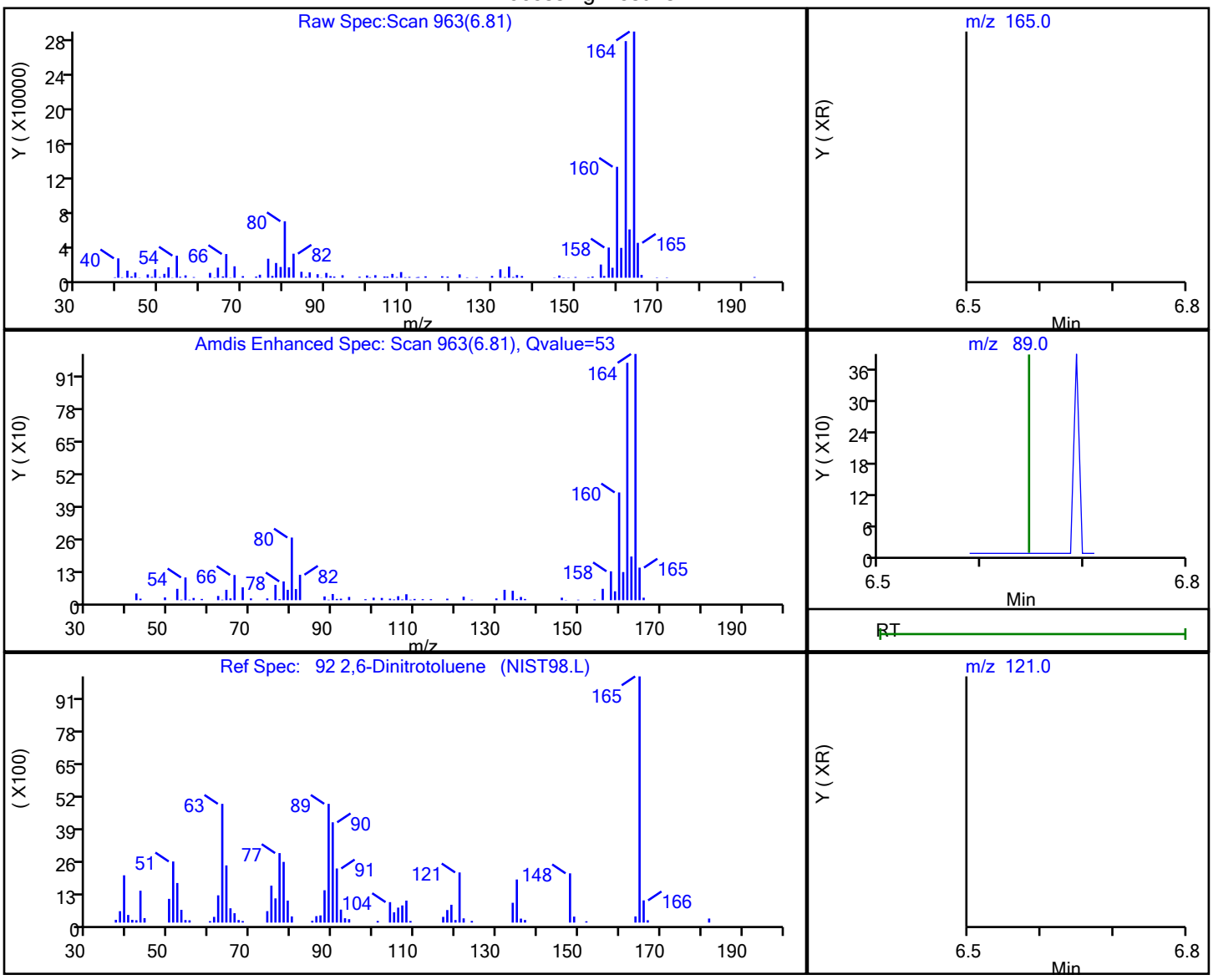
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0611.D				
Injection Date:	06-Aug-2025 11:47:30	Instrument ID:	HP23264		
Lims ID:	MB 410-681120/1-A				
Client ID:					
Operator ID:	CJS101602	ALS Bottle#:	9	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		
Column:	DB-5MS 20m 0.25mm (0.25 mm)	Detector	MS SCAN		

92 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.81	165.00	31215	2.208103
6.80	89.00	542	
6.82	121.00	194	
6.80	63.00	846	

Reviewer: RN6U, 06-Aug-2025 17:08:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-681120/2-A

Matrix: Water
Lab File ID: HG0612.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 12:08

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
121-14-2	2,4-Dinitrotoluene	45.2		10	
606-20-2	2,6-Dinitrotoluene	43.9		10	
84-66-2	Diethyl phthalate	43.4		5.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		13-134
321-60-8	2-Fluorobiphenyl (Surr)	82		45-120
367-12-4	2-Fluorophenol (Surr)	57		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	72		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	103		26-123
4165-62-2	Phenol-d5 (Surr)	40		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0612.D
Lims ID: LCS 410-681120/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 12:08:30 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681120/2-A
Misc. Info.: 410-0155656-009
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:10:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.560	1.560	0.000	94	149581	12.5	6.59	
$ 9 2-Fluorophenol	112	2.635	2.635	0.000	93	384702	25.0	14.2	
$ 15 Phenol-d5	99	3.563	3.563	0.000	94	402359	25.0	9.88	
17 Aniline	93	3.575	3.575	0.000	85	463505	12.5	8.81	
16 Phenol	94	3.575	3.575	0.000	76	296849	12.5	6.21	
18 Bis(2-chloroethyl)ether	93	3.639	3.645	-0.006	90	371871	12.5	10.8	
19 2-Chlorophenol	128	3.686	3.692	-0.006	93	313155	12.5	11.6	
21 1,3-Dichlorobenzene	146	3.826	3.832	-0.006	95	341300	12.5	10.7	
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	96	111327	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.908	3.908	0.000	92	354578	12.5	11.0	
26 Benzyl alcohol	108	4.048	4.048	0.000	88	224669	12.5	10.9	
27 1,2-Dichlorobenzene	146	4.048	4.054	-0.006	92	344528	12.5	11.4	
29 2-Methylphenol	108	4.171	4.164	-0.001	95	323611	12.5	10.6	
30 2,2'-oxybis[1-chloropropane]	45	4.171	4.176	-0.006	91	548465	12.5	8.70	
33 N-Nitrosodi-n-propylamine	70	4.305	4.305	0.000	86	336281	12.5	10.4	
34 4-Methylphenol	108	4.328	4.328	0.000	93	318735	12.5	9.78	
37 Hexachloroethane	117	4.375	4.375	0.000	95	152671	12.5	9.76	
$ 39 Nitrobenzene-d5	82	4.439	4.440	-0.006	87	873183	25.0	18.0	
40 Nitrobenzene	77	4.457	4.457	-0.005	87	469882	12.5	9.31	
42 Isophorone	82	4.696	4.697	-0.006	98	883139	12.5	10.1	
43 2-Nitrophenol	139	4.772	4.767	0.000	93	163601	12.5	11.2	
44 2,4-Dimethylphenol	107	4.836	4.836	-0.006	97	416808	12.5	11.6	
47 Bis(2-chloroethoxy)methane	93	4.924	4.924	-0.006	98	505517	12.5	10.1	
48 Benzoic acid	105	4.930	4.930	-0.011	88	130201	12.5	4.49	
49 2,4-Dichlorophenol	162	5.011	5.011	-0.006	97	305725	12.5	11.4	
50 1,2,4-Trichlorobenzene	180	5.081	5.076	0.000	94	312863	12.5	9.52	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	100	406618	5.00	5.00	
53 Naphthalene	128	5.146	5.146	-0.005	98	973504	12.5	11.2	
56 4-Chloroaniline	127	5.222	5.221	-0.005	82	374243	12.5	10.9	
57 2,6-Dichlorophenol	162	5.227	5.221	0.000	84	298198	12.5	10.8	
65 4-Chloro-3-methylphenol	107	5.718	5.717	-0.006	91	341203	12.5	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
67 2-Methylnaphthalene	142	5.817	5.816	-0.006	92	577877	12.5	11.3	
71 Hexachlorocyclopentadiene	237	5.969	5.975	-0.006	93	193447	12.5	7.87	
70 1,2,4,5-Tetrachlorobenzene	216	5.981	5.986	-0.005	97	354861	12.5	10.2	
79 2,4,6-Trichlorophenol	196	6.103	6.104	-0.006	93	241065	12.5	12.5	
80 2,4,5-Trichlorophenol	196	6.144	6.145	-0.006	91	257755	12.5	12.0	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1364701	25.0	20.6	
84 2-Chloronaphthalene	162	6.284	6.284	0.000	97	656552	12.5	11.7	
87 2-Nitroaniline	138	6.401	6.407	-0.006	75	194216	12.5	12.2	
90 Dimethyl phthalate	163	6.588	6.594	-0.006	96	611875	12.5	9.12	
91 1,3-Dinitrobenzene	168	6.617	6.617	0.000	81	98307	12.5	11.2	
92 2,6-Dinitrotoluene	165	6.640	6.646	-0.006	87	157390	12.5	11.0	
93 Acenaphthylene	152	6.670	6.675	-0.005	98	1037304	12.5	11.7	
95 3-Nitroaniline	138	6.798	6.804	-0.006	88	156043	12.5	11.3	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	92	233748	5.00	5.00	
97 Acenaphthene	153	6.839	6.845	-0.006	97	622679	12.5	10.8	
98 2,4-Dinitrophenol	184	6.903	6.909	-0.006	80	121871	25.0	13.0	
100 4-Nitrophenol	109	7.002	7.003	0.000	46	144035	25.0	13.1	
101 Dibenzofuran	168	7.002	7.008	-0.006	94	928434	12.5	11.6	
102 2,4-Dinitrotoluene	165	7.020	7.026	-0.006	85	222803	12.5	11.3	
105 2,3,4,6-Tetrachlorophenol	232	7.137	7.143	-0.006	73	210045	12.5	11.2	
107 Diethyl phthalate	149	7.259	7.265	-0.006	96	729668	12.5	10.9	
108 Fluorene	166	7.329	7.335	-0.006	94	750496	12.5	12.2	
110 4-Chlorophenyl phenyl ether	204	7.341	7.347	-0.006	95	367075	12.5	11.1	
112 4-Nitroaniline	138	7.376	7.382	-0.006	79	152342	12.5	11.5	
113 4,6-Dinitro-2-methylphenol	198	7.405	7.406	-0.006	81	256035	25.0	21.5	
114 N-Nitrosodiphenylamine	169	7.464	7.464	-0.006	61	576648	10.6	11.5	
115 1,2-Diphenylhydrazine	77	7.493	7.493	-0.006	98	1006669	12.5	10.3	
$ 116 2,4,6-Tribromophenol	330	7.563	7.569	-0.006	93	227757	25.0	20.5	
122 4-Bromophenyl phenyl ether	248	7.808	7.803	0.000	66	242406	12.5	12.5	
124 Hexachlorobenzene	284	7.849	7.850	-0.006	95	287092	12.5	12.4	
127 Pentachlorophenol	266	8.048	8.048	-0.005	93	332432	25.0	23.3	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	430146	5.00	5.00	
132 Phenanthrene	178	8.234	8.235	-0.006	98	1122707	12.5	11.8	
135 Anthracene	178	8.281	8.281	-0.006	98	1147154	12.5	12.3	
136 Carbazole	167	8.456	8.456	-0.006	95	1008341	12.5	12.1	
138 Di-n-butyl phthalate	149	8.818	8.818	-0.006	99	1229411	12.5	12.6	
144 Fluoranthene	202	9.361	9.361	-0.006	97	1270820	12.5	12.2	
145 Benzidine	184	9.519	9.525	-0.006	99	567041	25.0	9.49	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	97	455702	5.00	5.00	
147 Pyrene	202	9.572	9.577	-0.005	98	1345800	12.5	12.1	
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1582529	25.0	25.7	
153 Butyl benzyl phthalate	149	10.243	10.249	-0.006	95	446007	12.5	11.0	
156 Benzo[a]anthracene	228	10.757	10.763	-0.006	98	1165005	12.5	13.2	
157 3,3'-Dichlorobenzidine	252	10.763	10.769	-0.006	74	799923	25.0	24.9	
159 Chrysene	228	10.798	10.804	-0.006	97	1090232	12.5	12.7	
160 Bis(2-ethylhexyl) phthalate	149	10.874	10.880	-0.006	95	716115	12.5	13.3	
162 Di-n-octyl phthalate	149	11.644	11.639	-0.006	99	1187404	12.5	12.1	
164 Benzo[b]fluoranthene	252	12.012	12.007	-0.006	96	1050854	12.5	11.4	
165 Benzo[k]fluoranthene	252	12.047	12.042	-0.006	99	1034218	12.5	10.9	
166 Benzo[a]pyrene	252	12.421	12.415	-0.006	77	993335	12.5	11.3	
* 167 Perylene-d12	264	12.497	12.509	-0.012	99	379330	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	13.928	13.926	-0.011	99	1026535	12.5	12.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
172 Dibenz(a,h)anthracene	278	13.974	13.973	-0.012	92	1005175	12.5	13.2	
173 Benzo[g,h,i]perylene	276	14.278	14.283	-0.012	98	981579	12.5	11.9	

QC Flag Legend

Processing Flags

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

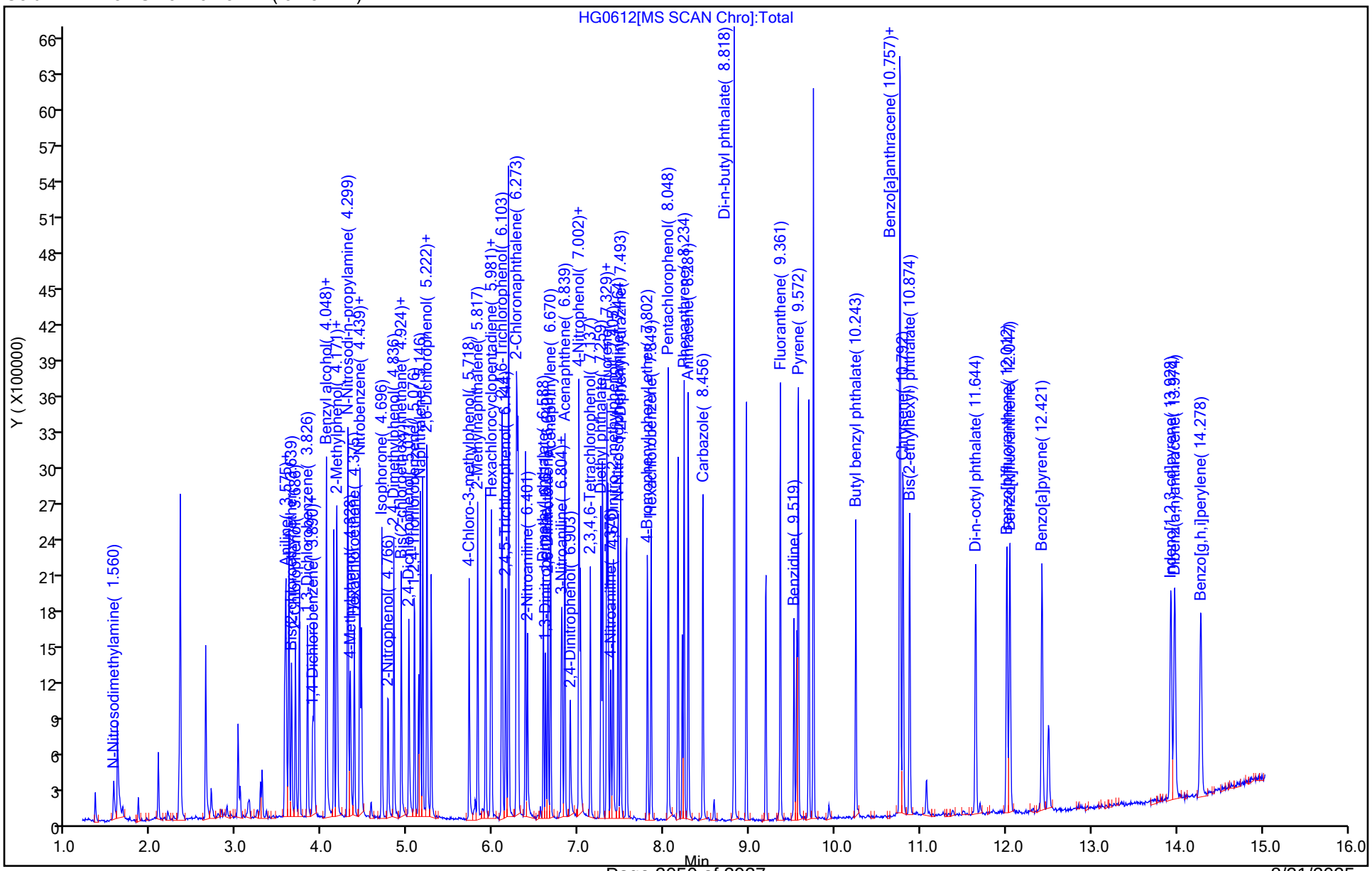
Report Date: 06-Aug-2025 17:27:12 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0612.D

Injection Date:	06-Aug-2025 12:08:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	LCS 410-681120/2-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0612.D
Lims ID: LCS 410-681120/2-A
Client ID:
Sample Type: LCS
Inject. Date: 06-Aug-2025 12:08:30 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-681120/2-A
Misc. Info.: 410-0155656-009
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:10:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	14.2	56.62
$ 15 Phenol-d5	25.0	9.88	39.52
$ 39 Nitrobenzene-d5	25.0	18.0	72.00
$ 81 2-Fluorobiphenyl (Surr)	25.0	20.6	82.24
$ 116 2,4,6-Tribromophenol	25.0	20.5	81.90
$ 148 p-Terphenyl-d14	25.0	25.7	102.93

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-681120/3-A

Matrix: Water
Lab File ID: HG0613.D

Analysis Method: 8270E
Date Collected:

Extract. Method: 3510C
Date Extracted: 08/05/2025 16:09

Sample wt/vol: 250(mL)
Date Analyzed: 08/06/2025 12:28

Con. Extract Vol.: 1(mL)
Dilution Factor: 1

Injection Volume: 1(uL)
GC Column: DB-5MS 30m 0.25 ID: 0.25(mm)

% Moisture: % Solids:
GPC Cleanup:(Y/N) N

Cleanup Factor:
Level: (low/med) Low

Analysis Batch No.: 681375
Units: ug/L

Preparation Batch No.: 681120
Instrument ID: HP23264

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
121-14-2	2,4-Dinitrotoluene	44.6		10	
606-20-2	2,6-Dinitrotoluene	44.3		10	
84-66-2	Diethyl phthalate	43.2		5.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	89		13-134
321-60-8	2-Fluorobiphenyl (Surr)	78		45-120
367-12-4	2-Fluorophenol (Surr)	58		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	76		33-120
1718-51-0	p-Terphenyl-d14 (Surr)	106		26-123
4165-62-2	Phenol-d5 (Surr)	41		10-120

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0613.D
Lims ID: LCSD 410-681120/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 06-Aug-2025 12:28:30 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 410-681120/3-A
Misc. Info.: 410-0155656-010
Operator ID: CJS101602 Instrument ID: HP23264

Method: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m
Limit Group: MSSV - 8270D_E LVI
Last Update: 06-Aug-2025 17:26:53 Calib Date: 29-Jul-2025 09:43:30
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D

Column 1 : DB-5MS 20m 0.25mm (0.25 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: RN6U Date: 06-Aug-2025 17:12:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
2 N-Nitrosodimethylamine	74	1.555	1.560	-0.005	96	170911	12.5	7.34	
$ 9 2-Fluorophenol	112	2.635	2.635	0.000	93	405939	25.0	14.6	
$ 15 Phenol-d5	99	3.557	3.563	-0.006	95	426721	25.0	10.2	
17 Aniline	93	3.575	3.575	0.000	82	457622	12.5	8.49	
16 Phenol	94	3.575	3.575	0.000	76	317034	12.5	6.47	
18 Bis(2-chloroethyl)ether	93	3.639	3.645	-0.006	92	406522	12.5	11.5	
19 2-Chlorophenol	128	3.686	3.692	-0.006	94	333484	12.5	12.1	
21 1,3-Dichlorobenzene	146	3.826	3.832	-0.006	95	332752	12.5	10.2	
* 22 1,4-Dichlorobenzene-d4	152	3.890	3.890	0.000	93	114155	5.00	5.00	
23 1,4-Dichlorobenzene	146	3.902	3.908	-0.006	91	365119	12.5	11.0	
26 Benzyl alcohol	108	4.048	4.048	0.000	88	246046	12.5	11.6	
27 1,2-Dichlorobenzene	146	4.048	4.054	-0.006	94	341260	12.5	11.0	
29 2-Methylphenol	108	4.165	4.164	-0.006	95	363122	12.5	11.6	
30 2,2'-oxybis[1-chloropropane]	45	4.171	4.176	-0.005	92	548098	12.5	8.48	
33 N-Nitrosodi-n-propylamine	70	4.305	4.305	0.000	83	348225	12.5	10.5	
34 4-Methylphenol	108	4.328	4.328	0.000	95	340760	12.5	10.2	
37 Hexachloroethane	117	4.375	4.375	0.000	94	147992	12.5	9.23	
$ 39 Nitrobenzene-d5	82	4.439	4.440	-0.006	87	868404	25.0	19.0	
40 Nitrobenzene	77	4.457	4.457	-0.005	86	484822	12.5	10.2	
42 Isophorone	82	4.696	4.697	-0.006	98	904593	12.5	11.0	
43 2-Nitrophenol	139	4.772	4.767	0.000	94	169173	12.5	12.3	
44 2,4-Dimethylphenol	107	4.836	4.836	-0.006	97	440625	12.5	13.0	
47 Bis(2-chloroethoxy)methane	93	4.924	4.924	-0.006	95	502398	12.5	10.7	
48 Benzoic acid	105	4.930	4.930	-0.011	92	111869	12.5	4.09	Ma
49 2,4-Dichlorophenol	162	5.011	5.011	-0.006	96	310558	12.5	12.3	
50 1,2,4-Trichlorobenzene	180	5.081	5.076	0.000	93	294804	12.5	9.52	
* 52 Naphthalene-d8	136	5.128	5.134	-0.006	99	382874	5.00	5.00	
53 Naphthalene	128	5.146	5.146	-0.005	98	953630	12.5	11.6	
56 4-Chloroaniline	127	5.222	5.221	-0.005	82	369379	12.5	11.5	
57 2,6-Dichlorophenol	162	5.227	5.221	0.000	86	319707	12.5	12.3	
65 4-Chloro-3-methylphenol	107	5.718	5.717	-0.006	92	370951	12.5	11.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
67 2-Methylnaphthalene	142	5.817	5.816	-0.006	90	560410	12.5	11.7	
71 Hexachlorocyclopentadiene	237	5.969	5.975	-0.006	93	166370	12.5	6.31	
70 1,2,4,5-Tetrachlorobenzene	216	5.981	5.986	-0.005	96	343969	12.5	9.24	
79 2,4,6-Trichlorophenol	196	6.103	6.104	-0.006	96	273692	12.5	13.2	
80 2,4,5-Trichlorophenol	196	6.144	6.145	-0.006	92	289377	12.5	12.6	
$ 81 2-Fluorobiphenyl (Surr)	172	6.179	6.185	-0.006	100	1383902	25.0	19.4	
84 2-Chloronaphthalene	162	6.284	6.284	0.000	97	639926	12.5	10.6	
87 2-Nitroaniline	138	6.401	6.407	-0.006	76	207133	12.5	12.1	
90 Dimethyl phthalate	163	6.588	6.594	-0.006	98	758150	12.5	10.5	
91 1,3-Dinitrobenzene	168	6.617	6.617	0.000	82	107396	12.5	11.4	
92 2,6-Dinitrotoluene	165	6.640	6.646	-0.006	90	170414	12.5	11.1	
93 Acenaphthylene	152	6.670	6.675	-0.005	99	1062015	12.5	11.2	
95 3-Nitroaniline	138	6.798	6.804	-0.006	88	159624	12.5	10.8	
* 96 Acenaphthene-d10	164	6.810	6.810	0.000	91	250693	5.00	5.00	
97 Acenaphthene	153	6.839	6.845	-0.006	96	624090	12.5	10.1	
98 2,4-Dinitrophenol	184	6.903	6.909	-0.006	78	187164	25.0	18.7	
100 4-Nitrophenol	109	6.997	7.003	-0.005	88	161135	25.0	13.6	
101 Dibenzofuran	168	7.003	7.008	-0.006	94	976854	12.5	11.4	
102 2,4-Dinitrotoluene	165	7.020	7.026	-0.006	87	235459	12.5	11.1	
105 2,3,4,6-Tetrachlorophenol	232	7.137	7.143	-0.006	71	235747	12.5	11.8	
107 Diethyl phthalate	149	7.259	7.265	-0.006	96	777707	12.5	10.8	
108 Fluorene	166	7.329	7.335	-0.006	91	760914	12.5	11.6	
110 4-Chlorophenyl phenyl ether	204	7.347	7.347	0.000	93	370452	12.5	10.5	
112 4-Nitroaniline	138	7.376	7.382	-0.006	78	173629	12.5	12.2	
113 4,6-Dinitro-2-methylphenol	198	7.405	7.406	-0.006	80	308496	25.0	25.7	
114 N-Nitrosodiphenylamine	169	7.464	7.464	-0.006	61	594731	10.6	11.8	
115 1,2-Diphenylhydrazine	77	7.493	7.493	-0.006	98	995227	12.5	10.1	
$ 116 2,4,6-Tribromophenol	330	7.563	7.569	-0.006	93	264415	25.0	22.2	
122 4-Bromophenyl phenyl ether	248	7.808	7.803	0.000	67	237150	12.5	12.1	
124 Hexachlorobenzene	284	7.849	7.850	-0.006	96	288859	12.5	12.4	
127 Pentachlorophenol	266	8.048	8.048	-0.005	92	370407	25.0	25.7	
* 131 Phenanthrene-d10	188	8.211	8.217	-0.006	97	434407	5.00	5.00	
132 Phenanthrene	178	8.235	8.235	-0.005	98	1207015	12.5	12.6	
135 Anthracene	178	8.281	8.281	-0.006	97	1221684	12.5	13.0	
136 Carbazole	167	8.456	8.456	-0.006	96	1112744	12.5	13.2	
138 Di-n-butyl phthalate	149	8.818	8.818	-0.006	99	1351269	12.5	13.7	
144 Fluoranthene	202	9.361	9.361	-0.006	97	1360745	12.5	12.9	
145 Benzidine	184	9.519	9.525	-0.006	99	438502	25.0	7.05	
* 146 Pyrene-d10 (IS)	212	9.554	9.554	0.000	97	474431	5.00	5.00	
147 Pyrene	202	9.572	9.577	-0.005	98	1429761	12.5	12.3	
$ 148 p-Terphenyl-d14	244	9.747	9.753	-0.006	98	1700973	25.0	26.6	
153 Butyl benzyl phthalate	149	10.243	10.249	-0.006	94	515825	12.5	12.3	
156 Benzo[a]anthracene	228	10.757	10.763	-0.006	99	1229027	12.5	13.4	
157 3,3'-Dichlorobenzidine	252	10.763	10.769	-0.006	74	802912	25.0	24.0	
159 Chrysene	228	10.798	10.804	-0.006	97	1214512	12.5	13.6	
160 Bis(2-ethylhexyl) phthalate	149	10.874	10.880	-0.006	96	726431	12.5	12.9	
162 Di-n-octyl phthalate	149	11.645	11.639	-0.005	99	1249774	12.5	13.1	
164 Benzo[b]fluoranthene	252	12.012	12.007	-0.006	97	1090185	12.5	12.2	
165 Benzo[k]fluoranthene	252	12.047	12.042	-0.006	98	1146188	12.5	12.4	
166 Benzo[a]pyrene	252	12.421	12.415	-0.006	77	1071434	12.5	12.6	
* 167 Perylene-d12	264	12.497	12.509	-0.012	98	367333	5.00	5.00	
171 Indeno[1,2,3-cd]pyrene	276	13.928	13.926	-0.011	99	1055330	12.5	13.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
172 Dibenz(a,h)anthracene	278	13.974	13.973	-0.012	92	1067637	12.5	14.4	
173 Benzo[g,h,i]perylene	276	14.278	14.283	-0.012	98	1044222	12.5	13.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSS_RV8270_IS_00111 Amount Added: 20.00 Units: uL Run Reagent

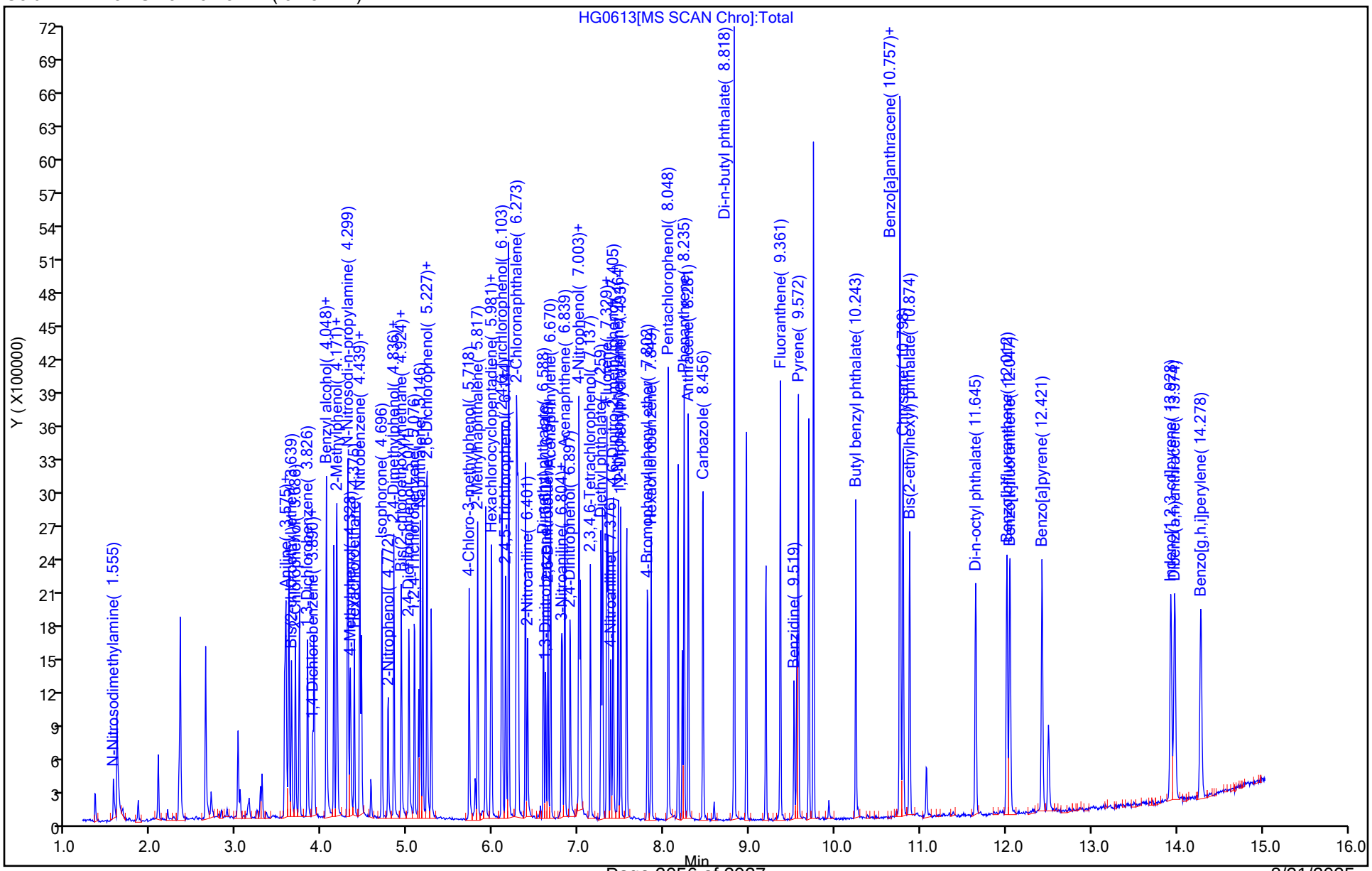
Report Date: 06-Aug-2025 17:27:14 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0613.D

Injection Date:	06-Aug-2025 12:28:30	Instrument ID:	HP23264	Operator ID:	CJS101602
Lims ID:	LCSD 410-681120/3-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MSSemi_HP23264	Limit Group:	MSSV - 8270D_E LVI		

Column: DB-5MS 20m 0.25mm (0.25 mm)



8/21/2025
7:28:43 PM

Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\HG0613.D				
Lims ID:	LCSD 410-681120/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	06-Aug-2025 12:28:30	ALS Bottle#:	11	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCSD 410-681120/3-A				
Misc. Info.:	410-0155656-010				
Operator ID:	CJS101602	Instrument ID:	HP23264		
Method:	\\chromfs\Lancaster\ChromData\HP23264\20250806-155656.b\MSSemi_HP23264.m				
Limit Group:	MSSV - 8270D_E LVI				
Last Update:	06-Aug-2025 17:26:53	Calib Date:	29-Jul-2025 09:43:30		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP23264\20250729-154835.b\JG2903.D				
Column 1 :	DB-5MS 20m 0.25mm (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: RN6U Date: 06-Aug-2025 17:12:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 2-Fluorophenol	25.0	14.6	58.26
$ 15 Phenol-d5	25.0	10.2	40.87
$ 39 Nitrobenzene-d5	25.0	19.0	76.05
$ 81 2-Fluorobiphenyl (Surr)	25.0	19.4	77.76
$ 116 2,4,6-Tribromophenol	25.0	22.2	88.65
$ 148 p-Terphenyl-d14	25.0	26.6	106.27

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Start Date: 03/11/2025 19:17

Analysis Batch Number: 615736 End Date: 03/12/2025 03:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-615736/1		03/11/2025 19:17	1	JC1150a.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-615736/2		03/11/2025 20:00	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/4		03/11/2025 21:15	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/5		03/11/2025 21:37	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/6		03/11/2025 21:59	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/7		03/11/2025 22:21	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/8		03/11/2025 22:43	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/9		03/11/2025 23:05	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-615736/10		03/11/2025 23:27	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-615736/11		03/11/2025 23:49	1	JC1160.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 00:11	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 00:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 00:55	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 01:18	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 01:40	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 02:02	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 02:24	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 02:46	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 03:08	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 03:31	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		03/12/2025 03:53	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Start Date: 04/14/2025 10:59

Analysis Batch Number: 630243 End Date: 04/14/2025 15:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-630243/1		04/14/2025 10:59	1	JD1400a.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-630243/2		04/14/2025 11:33	1	JD1401a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/3		04/14/2025 12:03	1	JD1403.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/4		04/14/2025 12:24	1	JD1404.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/5		04/14/2025 12:46	1	JD1405.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/6		04/14/2025 13:07	1	JD1406.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/7		04/14/2025 13:28	1	JD1407.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/8		04/14/2025 13:50	1	JD1408.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-630243/9		04/14/2025 14:11	1	JD1409.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-630243/10		04/14/2025 14:32	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-630243/11		04/14/2025 14:54	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-630243/12		04/14/2025 15:15	1	JD1412.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-630243/13		04/14/2025 15:36	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Start Date: 05/07/2025 23:19

Analysis Batch Number: 641051 End Date: 05/08/2025 07:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-641051/1		05/07/2025 23:19	1	JE0750b.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-641051/2		05/07/2025 23:49	1	JE0751a.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/3		05/08/2025 00:10	1	JE0752.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/4		05/08/2025 00:31	1	JE0753.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/5		05/08/2025 00:53	1	JE0754.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/6		05/08/2025 01:14	1	JE0755.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/7		05/08/2025 01:36	1	JE0756.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/8		05/08/2025 01:57	1	JE0757.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/9		05/08/2025 02:18	1	JE0758.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/10		05/08/2025 02:39	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/11		05/08/2025 03:01	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-641051/12		05/08/2025 03:22	1	JE0761.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/15		05/08/2025 04:26	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/16		05/08/2025 04:48	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/17		05/08/2025 05:09	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/18		05/08/2025 05:30	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/19		05/08/2025 05:52	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/20		05/08/2025 06:13	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-641051/21		05/08/2025 06:34	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-641051/22		05/08/2025 06:56	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-641051/23		05/08/2025 07:17	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP19760 Start Date: 06/25/2025 23:15

Analysis Batch Number: 662998 End Date: 06/26/2025 07:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-662998/1		06/25/2025 23:15	1	DF2550.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-662998/2		06/25/2025 23:30	1	DF2551.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/3		06/25/2025 23:57	1	DF2552.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/4		06/26/2025 00:18	1	DF2553.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/5		06/26/2025 00:39	1	DF2554.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/6		06/26/2025 00:59	1	DF2555.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/7		06/26/2025 01:20	1	DF2556.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/8		06/26/2025 01:41	1	DF2557.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/9		06/26/2025 02:03	1	DF2558.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-662998/10		06/26/2025 02:24	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-662998/11		06/26/2025 02:53	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-662998/12		06/26/2025 03:14	1	DF2561.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-662998/14		06/26/2025 03:56	1	DF2563.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-662998/15		06/26/2025 04:17	1	DF2564.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/17		06/26/2025 04:59	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/18		06/26/2025 05:19	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/19		06/26/2025 05:40	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/20		06/26/2025 06:01	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/21		06/26/2025 06:22	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/22		06/26/2025 06:43	1		DB-5MS 30m 0.25 0.25(mm)
IC 410-662998/23		06/26/2025 07:04	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-662998/24		06/26/2025 07:24	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Start Date: 06/25/2025 22:42

Analysis Batch Number: 663002 End Date: 06/26/2025 04:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-663002/1		06/25/2025 22:42	1	JF2550a.D	DB-5MS 30m 0.25 0.25(mm)
ICIS 410-663002/2		06/25/2025 23:02	1	JF2551.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/3		06/25/2025 23:30	1	JF2552.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/4		06/25/2025 23:52	1	JF2553.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/5		06/26/2025 00:13	1	JF2554.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/6		06/26/2025 00:34	1	JF2555.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/7		06/26/2025 00:56	1	JF2556.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/8		06/26/2025 01:17	1	JF2557.D	DB-5MS 30m 0.25 0.25(mm)
IC 410-663002/9		06/26/2025 01:38	1	JF2558.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-663002/10		06/26/2025 02:00	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-663002/11		06/26/2025 02:21	1		DB-5MS 30m 0.25 0.25(mm)
ICV 410-663002/12		06/26/2025 02:43	1	JF2561.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-663002/14		06/26/2025 03:26	1	JF2563.D	DB-5MS 30m 0.25 0.25(mm)
ICV 410-663002/15		06/26/2025 03:47	1	JF2564.D	DB-5MS 30m 0.25 0.25(mm)
CCV 410-663002/17		06/26/2025 04:30	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP23264 Start Date: 08/06/2025 07:05

Analysis Batch Number: 681375 End Date: 08/06/2025 18:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-681375/1		08/06/2025 07:05	1	HG0600.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-681375/2		08/06/2025 07:51	1	HG0601.D	DB-5MS 30m 0.25 0.25(mm)
ICVL 410-681375/3		08/06/2025 08:24	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-681375/33		08/06/2025 09:05	1		DB-5MS 30m 0.25 0.25(mm)
CCV 410-681375/34		08/06/2025 09:25	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/06/2025 10:06	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/06/2025 10:46	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/06/2025 11:07	1		DB-5MS 30m 0.25 0.25(mm)
ICVL 410-681375/35		08/06/2025 11:27	1		DB-5MS 30m 0.25 0.25(mm)
MB 410-681120/1-A		08/06/2025 11:47	1	HG0611.D	DB-5MS 30m 0.25 0.25(mm)
LCS 410-681120/2-A		08/06/2025 12:08	1	HG0612.D	DB-5MS 30m 0.25 0.25(mm)
LCSD 410-681120/3-A		08/06/2025 12:28	1	HG0613.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/06/2025 12:48	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/06/2025 13:09	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 13:29	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 13:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:30	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 14:50	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 15:11	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 16:52	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 17:12	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 17:32	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 17:53	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/06/2025 18:13	1		DB-5MS 30m 0.25 0.25(mm)
410-234898-7	16-2	08/06/2025 18:34	1	HG0631.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-8	16-3	08/06/2025 18:54	1	HG0632.D	DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: HP19760 Start Date: 08/07/2025 19:33

Analysis Batch Number: 682464 End Date: 08/08/2025 06:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 410-682464/1		08/07/2025 19:33	1	DH0750.D	DB-5MS 30m 0.25 0.25(mm)
CCVIS 410-682464/2		08/07/2025 19:54	1	DH0751.D	DB-5MS 30m 0.25 0.25(mm)
CCV 410-682464/5		08/07/2025 20:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/07/2025 21:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/07/2025 21:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 22:15	50		DB-5MS 30m 0.25 0.25(mm)
410-234898-9	16-5	08/07/2025 22:36	1	DH0757.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-10	16WC2B	08/07/2025 22:57	1	DH0758.D	DB-5MS 30m 0.25 0.25(mm)
410-234898-11	16SPRING	08/07/2025 23:17	1	DH0759.D	DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 23:38	20		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/07/2025 23:59	5		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 00:20	10		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 01:23	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 01:44	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 02:05	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 02:26	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/08/2025 02:47	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/08/2025 03:07	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 03:28	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/08/2025 03:49	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (QC)		08/08/2025 04:10	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 04:31	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 04:52	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 05:13	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 05:33	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 05:54	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 06:15	1		DB-5MS 30m 0.25 0.25(mm)
ZZZZZ (Client)		08/08/2025 06:36	1		DB-5MS 30m 0.25 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 615736 Batch Start Date: 03/11/25 19:17 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MS_rvBACIDICV 00010	MSS_RVDFTPP 00016			
DFTPP 410-615736/1		8270E			1 mL		1 mL			
ICV 410-615736/11		8270E			1 mL	1 mL				

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 64327
Vial Lot Number	24332545

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 630243 Batch Start Date: 04/14/25 10:59 Batch Analyst: Rhodes, Isabelle

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00042	MSS_RV8270_2 00043	MSS_RV8270_3 00041	MSS_RV8270_4 00040	MSS_RV8270_5 00051
DFTPP 410-630243/1		8270E			1 mL					
ICIS 410-630243/2		8270E			1 mL					
IC 410-630243/3		8270E			1 mL					
IC 410-630243/4		8270E			1 mL					
IC 410-630243/5		8270E			1 mL					1 mL
IC 410-630243/6		8270E			1 mL				1 mL	
IC 410-630243/7		8270E			1 mL			1 mL		
IC 410-630243/8		8270E			1 mL		1 mL			
IC 410-630243/9		8270E			1 mL	1 mL				
ICV 410-630243/12		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00064	MSS_RV8270_7 00043	MSS_RV8270_8 00042	MSS_RV8270ICV 00036	MSS_RVDFTPP 00018	
DFTPP 410-630243/1		8270E							1 mL	
ICIS 410-630243/2		8270E			1 mL					
IC 410-630243/3		8270E					1 mL			
IC 410-630243/4		8270E				1 mL				
IC 410-630243/5		8270E								
IC 410-630243/6		8270E								
IC 410-630243/7		8270E								
IC 410-630243/8		8270E								
IC 410-630243/9		8270E								
ICV 410-630243/12		8270E						1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 630243 Batch Start Date: 04/14/25 10:59 Batch Analyst: Rhodes, Isabelle

Batch Method: 8270E Batch End Date:

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan internal syringe
Dilution Solution ID	MeCl2 65010
Vial Lot Number	25005835

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 641051 Batch Start Date: 05/07/25 23:19 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00042	MSS_RV8270_2 00043	MSS_RV8270_3 00041	MSS_RV8270_4 00040	MSS_RV8270_5 00053
DFTPP 410-641051/1		8270E			1 mL					
ICIS 410-641051/2		8270E			1 mL					
IC 410-641051/3		8270E			1 mL					
IC 410-641051/4		8270E			1 mL					
IC 410-641051/5		8270E			1 mL					1 mL
IC 410-641051/6		8270E			1 mL				1 mL	
IC 410-641051/7		8270E			1 mL			1 mL		
IC 410-641051/8		8270E			1 mL		1 mL			
IC 410-641051/9		8270E			1 mL	1 mL				
ICV 410-641051/12		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00065	MSS_RV8270_7 00043	MSS_RV8270_8 00042	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	
DFTPP 410-641051/1		8270E							1 mL	
ICIS 410-641051/2		8270E			1 mL					
IC 410-641051/3		8270E					1 mL			
IC 410-641051/4		8270E				1 mL				
IC 410-641051/5		8270E								
IC 410-641051/6		8270E								
IC 410-641051/7		8270E								
IC 410-641051/8		8270E								
IC 410-641051/9		8270E								
ICV 410-641051/12		8270E						1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 641051 Batch Start Date: 05/07/25 23:19 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 65024
Vial Lot Number	430917

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 662998 Batch Start Date: 06/25/25 23:15 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00043	MSS_RV8270_2 00044	MSS_RV8270_3 00042	MSS_RV8270_4 00041	MSS_RV8270_5 00054
DFTPP 410-662998/1		8270E			1 mL					
ICIS 410-662998/2		8270E			1 mL					
IC 410-662998/3		8270E			1 mL					
IC 410-662998/4		8270E			1 mL					
IC 410-662998/5		8270E			1 mL					1 mL
IC 410-662998/6		8270E			1 mL				1 mL	
IC 410-662998/7		8270E			1 mL			1 mL		
IC 410-662998/8		8270E			1 mL		1 mL			
IC 410-662998/9		8270E			1 mL	1 mL				
ICV 410-662998/12		8270E			1 mL					
ICV 410-662998/14		8270E			1 mL					
ICV 410-662998/15		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00068	MSS_RV8270_7 00045	MSS_RV8270_8 00044	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	MSS_RVHCPICV 00011
DFTPP 410-662998/1		8270E							1 mL	
ICIS 410-662998/2		8270E			1 mL					
IC 410-662998/3		8270E					1 mL			
IC 410-662998/4		8270E				1 mL				
IC 410-662998/5		8270E								
IC 410-662998/6		8270E								
IC 410-662998/7		8270E								
IC 410-662998/8		8270E								
IC 410-662998/9		8270E								
ICV 410-662998/12		8270E						1 mL		
ICV 410-662998/14		8270E								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 662998 Batch Start Date: 06/25/25 23:15 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00068	MSS_RV8270_7 00045	MSS_RV8270_8 00044	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	MSS_RVHCPICV 00011
ICV 410-662998/15		8270E								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVPDAICV 00007					
DFTPP 410-662998/1		8270E								
ICIS 410-662998/2		8270E								
IC 410-662998/3		8270E								
IC 410-662998/4		8270E								
IC 410-662998/5		8270E								
IC 410-662998/6		8270E								
IC 410-662998/7		8270E								
IC 410-662998/8		8270E								
IC 410-662998/9		8270E								
ICV 410-662998/12		8270E								
ICV 410-662998/14		8270E								
ICV 410-662998/15		8270E			1 mL					

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 65052
Vial Lot Number	25110335

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 663002 Batch Start Date: 06/25/25 22:42 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	MSS_RV8270_1 00043	MSS_RV8270_2 00044	MSS_RV8270_3 00042	MSS_RV8270_4 00041	MSS_RV8270_5 00054
DFTPP 410-663002/1		8270E			1 mL					
ICIS 410-663002/2		8270E			1 mL					
IC 410-663002/3		8270E			1 mL					
IC 410-663002/4		8270E			1 mL					
IC 410-663002/5		8270E			1 mL					1 mL
IC 410-663002/6		8270E			1 mL				1 mL	
IC 410-663002/7		8270E			1 mL			1 mL		
IC 410-663002/8		8270E			1 mL		1 mL			
IC 410-663002/9		8270E			1 mL	1 mL				
ICV 410-663002/12		8270E			1 mL					
ICV 410-663002/14		8270E			1 mL					
ICV 410-663002/15		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00068	MSS_RV8270_7 00045	MSS_RV8270_8 00044	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	MSS_RVHCPICV 00011
DFTPP 410-663002/1		8270E							1 mL	
ICIS 410-663002/2		8270E			1 mL					
IC 410-663002/3		8270E					1 mL			
IC 410-663002/4		8270E				1 mL				
IC 410-663002/5		8270E								
IC 410-663002/6		8270E								
IC 410-663002/7		8270E								
IC 410-663002/8		8270E								
IC 410-663002/9		8270E								
ICV 410-663002/12		8270E						1 mL		
ICV 410-663002/14		8270E								1 mL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 663002 Batch Start Date: 06/25/25 22:42 Batch Analyst: Skilton, Cassidy

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RV8270_6 00068	MSS_RV8270_7 00045	MSS_RV8270_8 00044	MSS_RV8270ICV 00037	MSS_RVDFTPP 00018	MSS_RVHCPICV 00011
ICV 410-663002/15		8270E								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MSS_RVPDAICV 00007					
DFTPP 410-663002/1		8270E								
ICIS 410-663002/2		8270E								
IC 410-663002/3		8270E								
IC 410-663002/4		8270E								
IC 410-663002/5		8270E								
IC 410-663002/6		8270E								
IC 410-663002/7		8270E								
IC 410-663002/8		8270E								
IC 410-663002/9		8270E								
ICV 410-663002/12		8270E								
ICV 410-663002/14		8270E								
ICV 410-663002/15		8270E			1 mL					

Batch Notes	
Pipette/Syringe/Dispenser ID	Scan Internal Syringe
Dilution Solution ID	MeCl2 65052
Vial Lot Number	25110335

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 681120 Batch Start Date: 08/05/25 16:09 Batch Analyst: McArdle, Meghan

Batch Method: 3510C Batch End Date: 08/05/25 19:47

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 410-681120/1		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCS 410-681120/2		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
LCSD 410-681120/3		3510C, 8270E					250 mL	1 mL	n/a SU	11 SU
410-234898-F-7	16-2	3510C, 8270E	Water	T	412.48 g	162.79 g	249.7 mL	1 mL	n/a SU	11 SU
410-234898-F-8	16-3	3510C, 8270E	Water	T	413.62 g	168.41 g	245.2 mL	1 mL	n/a SU	11 SU
410-234898-F-9	16-5	3510C, 8270E	Water	T	412.92 g	166.74 g	246.2 mL	1 mL	n/a SU	11 SU
410-234898-E-10	16WC2B	3510C, 8270E	Water	T	413.61 g	166.91 g	246.7 mL	1 mL	n/a SU	11 SU
410-234898-E-11	16SPRING	3510C, 8270E	Water	T	413.46 g	166.45 g	247 mL	1 mL	n/a SU	11 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SecondAdjustpH	OP_MINIBNA_SS 00161	OP_MINLCS1_MS 00280	AnalysisComment		
MB 410-681120/1		3510C, 8270E			2 SU	1 mL		tap water		
LCS 410-681120/2		3510C, 8270E			2 SU	1 mL	1 mL	tap water		
LCSD 410-681120/3		3510C, 8270E			2 SU	1 mL	1 mL	tap water		
410-234898-F-7	16-2	3510C, 8270E	Water	T	2 SU	1 mL		clear		
410-234898-F-8	16-3	3510C, 8270E	Water	T	2 SU	1 mL		clear		
410-234898-F-9	16-5	3510C, 8270E	Water	T	2 SU	1 mL		clear		
410-234898-E-10	16WC2B	3510C, 8270E	Water	T	2 SU	1 mL		clear		
410-234898-E-11	16SPRING	3510C, 8270E	Water	T	2 SU	1 mL		clear		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 681120 Batch Start Date: 08/05/25 16:09 Batch Analyst: McArdle, Meghan

Batch Method: 3510C Batch End Date: 08/05/25 19:47

Batch Notes	
Was daily balance calibration done?	Yes
Balance ID	93158
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	DBH82588 MM98986 SG115470
Analyst ID - Spike Analyst	MM98986
Acid Used for pH Adjustment ID	H2SO4: 243956
Base Used to Adjust pH ID	NaOH: 4404N64
Prep Solvent ID	MeCl2: 65122
Prep Solvent Volume Used	90 mL
Na2SO4 ID	25216A
Analyst ID - Concentration	DBH82588 MM98986 SG115470
Equipment ID - Concentration 1	Buchi
Concentration 1 Corrected Temperature	55 Degrees C
Vial Lot Number	25110628
Pipette Tip Lot ID	N218544R

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-2

SDG No.:

Project: RFAAP, Radford HWMU16

Client Sample ID	Lab Sample ID
16-2	410-234898-7
16-3	410-234898-8
16-5	410-234898-9
16WC2B	410-234898-10
16SPRING	410-234898-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16-2
Lab Sample ID: 410-234898-7
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 10:40
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682638
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.0		ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16-2
Lab Sample ID: 410-234898-7
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 10:40
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	10		ug/L			1	6020B
7440-39-3	Barium	240	10		ug/L			1	6020B
7440-41-7	Beryllium	ND	1.0		ug/L			1	6020B
7440-43-9	Cadmium	ND	1.0		ug/L			1	6020B
7440-47-3	Chromium	ND	5.0		ug/L			1	6020B
7440-48-4	Cobalt	ND	5.0		ug/L			1	6020B
7440-50-8	Copper	ND	5.0		ug/L			1	6020B
7439-92-1	Lead	ND	3.0		ug/L			1	6020B
7440-02-0	Nickel	ND	10		ug/L			1	6020B
7440-22-4	Silver	ND	2.0		ug/L			1	6020B
7440-66-6	Zinc	ND	30		ug/L			1	6020B
7440-62-2	Vanadium	ND	10		ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16-3
Lab Sample ID: 410-234898-8
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 12:35
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682638
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.0		ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16-3
Lab Sample ID: 410-234898-8
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 12:35
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	10		ug/L			1	6020B
7440-39-3	Barium	730	10		ug/L			1	6020B
7440-41-7	Beryllium	ND	1.0		ug/L			1	6020B
7440-43-9	Cadmium	ND	1.0		ug/L			1	6020B
7440-47-3	Chromium	ND	5.0		ug/L			1	6020B
7440-48-4	Cobalt	ND	5.0		ug/L			1	6020B
7440-50-8	Copper	ND	5.0		ug/L			1	6020B
7439-92-1	Lead	ND	3.0		ug/L			1	6020B
7440-02-0	Nickel	ND	10		ug/L			1	6020B
7440-22-4	Silver	ND	2.0		ug/L			1	6020B
7440-66-6	Zinc	ND	30		ug/L			1	6020B
7440-62-2	Vanadium	ND	10		ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16-5
Lab Sample ID: 410-234898-9
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 08:55
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682638
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.0		ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16-5
Lab Sample ID: 410-234898-9
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 08:55
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	10		ug/L			1	6020B
7440-39-3	Barium	170	10		ug/L			1	6020B
7440-41-7	Beryllium	ND	1.0		ug/L			1	6020B
7440-43-9	Cadmium	ND	1.0		ug/L			1	6020B
7440-47-3	Chromium	ND	5.0		ug/L			1	6020B
7440-48-4	Cobalt	ND	5.0		ug/L			1	6020B
7440-50-8	Copper	ND	5.0		ug/L			1	6020B
7439-92-1	Lead	ND	3.0		ug/L			1	6020B
7440-02-0	Nickel	ND	10		ug/L			1	6020B
7440-22-4	Silver	ND	2.0		ug/L			1	6020B
7440-66-6	Zinc	ND	30		ug/L			1	6020B
7440-62-2	Vanadium	ND	10		ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16WC2B
Lab Sample ID: 410-234898-10
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 09:55
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682657
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.0		ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16WC2B
Lab Sample ID: 410-234898-10
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 09:55
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	10		ug/L			1	6020B
7440-39-3	Barium	110	10		ug/L			1	6020B
7440-41-7	Beryllium	ND	1.0		ug/L			1	6020B
7440-43-9	Cadmium	ND	1.0		ug/L			1	6020B
7440-47-3	Chromium	ND	5.0		ug/L			1	6020B
7440-48-4	Cobalt	ND	5.0		ug/L			1	6020B
7440-50-8	Copper	ND	5.0		ug/L			1	6020B
7439-92-1	Lead	ND	3.0		ug/L			1	6020B
7440-02-0	Nickel	ND	10		ug/L			1	6020B
7440-22-4	Silver	ND	2.0		ug/L			1	6020B
7440-66-6	Zinc	ND	30		ug/L			1	6020B
7440-62-2	Vanadium	ND	10		ug/L			1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: 16SPRING
Lab Sample ID: 410-234898-11
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 09:10
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 682638
Instrument ID: M10 - 31820

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7439-97-6	Mercury	ND	2.0		ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: 16SPRING
Lab Sample ID: 410-234898-11
Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-234898-2
SDG ID.:
Matrix: Water
Date Sampled: 07/29/2025 09:10
Reporting Basis: WET
Date Received: 07/31/2025 09:20
Preparation Batch Number: 681233
Instrument ID: E10

CAS No.	Analyte	Result	RL		Units	C	Q	DIL	Method
7440-38-2	Arsenic	ND	10		ug/L			1	6020B
7440-39-3	Barium	220	10		ug/L			1	6020B
7440-41-7	Beryllium	ND	1.0		ug/L			1	6020B
7440-43-9	Cadmium	ND	1.0		ug/L			1	6020B
7440-47-3	Chromium	ND	5.0		ug/L			1	6020B
7440-48-4	Cobalt	ND	5.0		ug/L			1	6020B
7440-50-8	Copper	ND	5.0		ug/L			1	6020B
7439-92-1	Lead	ND	3.0		ug/L			1	6020B
7440-02-0	Nickel	ND	10		ug/L			1	6020B
7440-22-4	Silver	ND	2.0		ug/L			1	6020B
7440-66-6	Zinc	ND	30		ug/L			1	6020B
7440-62-2	Vanadium	ND	10		ug/L			1	6020B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

ICV Source: MT_MJ_ICV_00141 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00230

Analyte	ICV 410-685231/3 08/13/2025 09:22				CCV 410-685231/9 08/13/2025 17:00				CCV 410-685231/19 08/13/2025 17:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	510		500	102	508		500	102	510		500	102
Arsenic	510		500	102	522		500	104	525		500	105
Beryllium	50.7		50.0	101	47.9		50.0	96	48.7		50.0	97
Cadmium	54.8		50.0	110	51.1		50.0	102	51.3		50.0	103
Chromium	515		500	103	525		500	105	523		500	105
Cobalt	524		500	105	529		500	106	531		500	106
Copper	515		500	103	519		500	104	512		500	102
Lead	50.8		50.0	102	50.6		50.0	101	50.5		50.0	101
Nickel	512		500	102	524		500	105	513		500	103
Silver	50.4		50.0	101	52.4		50.0	105	51.7		50.0	103
Vanadium	510		500	102	512		500	102	508		500	102
Zinc	523		500	105	523		500	105	524		500	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

ICV Source: MT_MJ_ICV_00141 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00230

Analyte	CCV 410-685231/46 08/13/2025 18:57				CCV 410-685231/56 08/13/2025 19:22				CCV 410-685231/66 08/13/2025 19:47			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	516		500	103	508		500	102	506		500	101
Arsenic	531		500	106	520		500	104	520		500	104
Beryllium	50.5		50.0	101	50.2		50.0	100	50.8		50.0	102
Cadmium	50.7		50.0	101	50.1		50.0	100	50.0		50.0	100
Chromium	529		500	106	517		500	103	519		500	104
Cobalt	531		500	106	516		500	103	521		500	104
Copper	509		500	102	500		500	100	500		500	100
Lead	51.1		50.0	102	50.5		50.0	101	50.3		50.0	101
Nickel	513		500	103	500		500	100	500		500	100
Silver	51.5		50.0	103	50.6		50.0	101	50.6		50.0	101
Vanadium	510		500	102	510		500	102	508		500	102
Zinc	525		500	105	517		500	103	513		500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

ICV Source: MT_MJ_ICV_00141 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00230

Analyte	ICV 410-684622/3 08/12/2025 17:59				CCV 410-684622/10 08/12/2025 19:01				CCV 410-684622/18 08/12/2025 19:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	497		500	99	507		500	101	501		500	100
Beryllium	50.1		50.0	100	50.0		50.0	100	49.6		50.0	99
Cadmium	54.3		50.0	109	49.7		50.0	99	49.7		50.0	99
Chromium	500		500	100	505		500	101	500		500	100
Cobalt	471		500	94	471		500	94	473		500	95
Copper	497		500	99	493		500	99	492		500	98
Lead	50.1		50.0	100	49.6		50.0	99	50.0		50.0	100
Nickel	498		500	100	492		500	98	496		500	99
Silver	49.5		50.0	99	49.6		50.0	99	49.7		50.0	99
Vanadium	489		500	98	493		500	99	489		500	98
Zinc	488		500	98	492		500	98	483		500	97
Barium	500		500	100	499		500	100	492		500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

ICV Source: MT_MJ_ICV_00141 Concentration Units: ug/L

CCV Source: MT_MJ_CCV_00230

Analyte	CCV 410-684622/101 08/12/2025 23:14				CCV 410-684622/113 08/12/2025 23:42				CCV 410-684622/119 08/12/2025 23:58			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	519		500	104	533		500	107	508		500	102
Beryllium	48.0		50.0	96	47.9		50.0	96	48.7		50.0	97
Cadmium	49.2		50.0	98	49.2		50.0	98	48.8		50.0	98
Chromium	517		500	103	528		500	106	499		500	100
Cobalt	471		500	94	470		500	94	483		500	97
Copper	493		500	99	493		500	99	507		500	101
Lead	50.0		50.0	100	49.5		50.0	99	49.5		50.0	99
Nickel	494		500	99	492		500	98	506		500	101
Silver	49.5		50.0	99	49.0		50.0	98	49.3		50.0	99
Vanadium	489		500	98	489		500	98	499		500	100
Zinc	489		500	98	487		500	97	501		500	100
Barium	496		500	99	498		500	100	484		500	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

ICV Source: Hg_1Control_00268 Concentration Units: ug/L

CCV Source: Hg_1Cal_00268

Analyte	ICV 410-685010/7-A 08/16/2025 14:38				CCV 410-685010/11-A 08/16/2025 14:44				CCV 410-685010/11-A 08/16/2025 15:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.51		2.50	101	1.02		1.00	102	1.02		1.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

ICV Source: Hg_1Control_00268 Concentration Units: ug/L

CCV Source: Hg_1Cal_00268

Analyte	CCV 410-685010/11-A 08/16/2025 15:29				CCV 410-685010/11-A 08/16/2025 15:43							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	1.08		1.00	108	1.08		1.00	108				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

ICV Source: Hg_1Control_00268 Concentration Units: ug/L

CCV Source: Hg_1Cal_00268

Analyte	ICV 410-685010/7-A 08/19/2025 15:32				CCV 410-685010/11-A 08/19/2025 18:26				CCV 410-685010/11-A 08/19/2025 18:48			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	2.41		2.50	96	1.06		1.00	106	1.04		1.00	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

ICV Source: Hg_1Control_00268 Concentration Units: ug/L

CCV Source: Hg_1Cal_00268

Analyte	CCV 410-685010/11-A 08/19/2025 19:11											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	1.05		1.00	105								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Method: 6020B Instrument ID: E07 - 27813

Lab Sample ID: CRI 410-685231/5 Concentration Units: ug/L

CRQL Check Standard Source: MT_MJ_CRI-V_00220

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	2.02	2.21		109	80-120
Barium	1.99	1.99	J	100	80-120
Beryllium	0.499	0.500		100	80-120
Cadmium	0.496	0.536		108	80-120
Chromium	2.00	2.19		110	80-120
Lead	0.503	0.515		102	80-120
Silver	0.496	0.503		101	80-120
Zinc	10.0	10.6		106	80-120
Vanadium	2.00	2.24	J	112	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Method: 6020B Instrument ID: E10

Lab Sample ID: CRI 410-684622/5 Concentration Units: ug/L

CRQL Check Standard Source: MT_MJ_CRI-V_00220

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	2.02	1.92	J	95	80-120
Barium	1.99	2.19		110	80-120
Beryllium	0.499	0.464	J	93	80-120
Cadmium	0.496	0.532		107	80-120
Chromium	2.00	2.00		100	80-120
Cobalt	0.504	0.423	J	84	80-120
Copper	0.999	1.04		104	80-120
Lead	0.503	0.537		107	80-120
Nickel	1.00	0.933	J	93	80-120
Silver	0.496	0.511		103	80-120
Zinc	10.0	9.22	J	92	80-120
Vanadium	2.00	1.95	J	98	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Method: 7470A Instrument ID: M10 - 31820

Lab Sample ID: CRA 410-685010/8-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_0.1Control_00281

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.214		107	50-150

Lab Sample ID: CRA 410-685010/8-A Concentration Units: ug/L

CRQL Check Standard Source: Hg_0.1Control_00281

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.208		104	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-685231/4 08/13/2025 09:29		CCB 410-685231/10 08/13/2025 17:04		CCB 410-685231/20 08/13/2025 17:48		CCB 410-685231/47 08/13/2025 19:01	
		Found	C	Found	C	Found	C	Found	C
Barium	2.0	ND		ND		ND		ND	
Arsenic	2.0	ND		ND		ND		ND	
Beryllium	0.50	ND		ND		ND		ND	
Cadmium	0.50	ND		ND		ND		ND	
Chromium	2.0	ND		ND		ND		ND	
Cobalt	0.50	0.244	J	ND		ND			
Copper	1.0	ND		ND		ND		ND	
Lead	0.50	ND		ND		ND		ND	
Nickel	1.0	ND		ND		ND		ND	
Silver	0.50	ND		ND		ND		ND	
Vanadium	4.0	ND		ND		ND		ND	
Zinc	10	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-685231/57 08/13/2025 19:26		CCB 410-685231/67 08/13/2025 19:52					
		Found	C	Found	C	Found	C	Found	C
Barium	2.0	ND		ND					
Arsenic	2.0	ND		ND					
Beryllium	0.50	ND		ND					
Cadmium	0.50	ND		ND					
Chromium	2.0	ND		ND					
Cobalt	0.50			0.198	J				
Copper	1.0	ND		ND					
Lead	0.50	ND		ND					
Nickel	1.0	ND		ND					
Silver	0.50	ND		ND					
Vanadium	4.0	ND		ND					
Zinc	10	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-684622/4 08/12/2025 18:03		CCB 410-684622/9 08/12/2025 18:55		CCB 410-684622/19 08/12/2025 19:34		CCB 410-684622/102 08/12/2025 23:18	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	ND		ND		ND		ND	
Beryllium	0.50	ND		ND		ND		ND	
Cadmium	0.50	ND		ND		ND		ND	
Chromium	2.0	ND		ND		ND		ND	
Cobalt	0.50	ND		ND		ND		ND	
Copper	1.0	ND		ND		ND		ND	
Lead	0.50	ND		ND		ND		ND	
Nickel	1.0	ND		ND		ND		ND	
Silver	0.50	ND		ND		ND		ND	
Vanadium	4.0	ND		ND		ND		ND	
Zinc	10	ND		ND		ND		ND	
Barium	2.0	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-684622/114 08/12/2025 23:46		CCB 410-684622/120 08/13/2025 00:03					
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	ND		ND					
Beryllium	0.50	ND		ND					
Cadmium	0.50	ND		ND					
Chromium	2.0	ND		ND					
Cobalt	0.50	ND		ND					
Copper	1.0	ND		ND					
Lead	0.50	ND		ND					
Nickel	1.0	ND		ND					
Silver	0.50	ND		ND					
Vanadium	4.0	ND		ND					
Zinc	10	ND		ND					
Barium	2.0								

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-685010/9-A 08/16/2025 14:40		CCB 410-685010/10-A 08/16/2025 14:46		CCB 410-685010/10-A 08/16/2025 15:09		CCB 410-685010/10-A 08/16/2025 15:31	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 410-685010/10-A 08/16/2025 15:44							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 410-685010/9-A 08/19/2025 15:34		CCB 410-685010/10-A 08/19/2025 18:28		CCB 410-685010/10-A 08/19/2025 18:50		CCB 410-685010/10-A 08/19/2025 19:13	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-681233/1-A

Instrument Code: E10 Batch No.: 684622

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	ND			6020B
7440-41-7	Beryllium	ND			6020B
7440-43-9	Cadmium	ND			6020B
7440-47-3	Chromium	ND			6020B
7440-48-4	Cobalt	ND			6020B
7440-50-8	Copper	ND			6020B
7439-92-1	Lead	ND			6020B
7440-02-0	Nickel	ND			6020B
7440-22-4	Silver	ND			6020B
7440-66-6	Zinc	ND			6020B
7440-62-2	Vanadium	ND			6020B

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-681233/1-A

Instrument Code: E07 - 27813 Batch No.: 685231

CAS No.	Analyte	Concentration	C	Q	Method
7440-39-3	Barium	ND			6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-682638/1-A

Instrument Code: M10 - 31820 Batch No.: 686532

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 410-682657/1-A

Instrument Code: M10 - 31820 Batch No.: 687961

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICSA 410-685231/6 Instrument ID: E07 - 27813

Lab File ID: 023ICSA.d ICS Source: MT_MJ_ICSA_00143

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Barium	**0.390**	**0.342**	
Aluminum	*100000*	*98943*	*99*
Antimony	*0.140*	*0.204*	
Arsenic	*8.50*	*0.199*	
Beryllium	*0.0200*	*-0.0329*	
Cadmium	*0.480*	*0.298*	
Calcium	*300000*	*282721*	*94*
Chromium	*3.20*	*3.65*	
Cobalt	*0.220*	*0.267*	
Copper	*0.860*	*0.0897*	
Iron	*250000*	*240417*	*96*
Lead	*0.120*	*0.109*	
Magnesium	*100000*	*100084*	*100*
Manganese	*0.500*	*0.621*	
Molybdenum	*2000*	*1959*	*98*
Nickel	*1.20*	*0.0675*	
Potassium	*100000*	*97717*	*98*
Selenium	*0.580*	*0.0771*	
Silver	*0.200*	*0.0058*	
Sodium	*250000*	*248383*	*99*
Strontium	*1.70*	*2.58*	
Thallium	*0.0100*	*0.0027*	
Tin	*0.0600*	*0.787*	
Titanium	*2000*	*1992*	*100*
Uranium	*0.120*	*-0.0049*	
Vanadium	*0.460*	*0.0367*	
Zinc	*0.450*	*1.65*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICSAB 410-685231/7 Instrument ID: E07 - 27813

Lab File ID: 024ICSB.d ICS Source: MT_MJ_ICSAB_00128

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Barium		**0.299**	
Aluminum	*100000*	*101923*	*102*
Antimony		*0.202*	
Arsenic	*100*	*96.7*	*97*
Beryllium		*-0.0267*	
Cadmium	*100*	*101*	*101*
Calcium	*300000*	*292184*	*97*
Chromium	*200*	*202*	*101*
Cobalt	*200*	*198*	*99*
Copper	*200*	*205*	*102*
Iron	*250000*	*242574*	*97*
Lead		*0.106*	
Magnesium	*100000*	*102395*	*102*
Manganese	*200*	*199*	*99*
Molybdenum	*2000*	*1999*	*100*
Nickel	*200*	*207*	*103*
Potassium	*100000*	*100974*	*101*
Selenium	*100*	*99.2*	*99*
Silver	*50.0*	*51.8*	*104*
Sodium	*250000*	*254999*	*102*
Strontium	*2.80*	*2.61*	
Thallium		*0.0174*	
Tin		*0.217*	
Titanium	*2000*	*2031*	*102*
Uranium		*-0.0030*	
Vanadium	*200*	*205*	*103*
Zinc	*100*	*96.8*	*97*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICSA 410-684622/6 Instrument ID: E10

Lab File ID: 077ICSA.d ICS Source: MT_MJ_ICSA_00143

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic	**8.50**	**0.245**	
Beryllium	**0.0200**	**-0.0107**	
Cadmium	**0.480**	**0.235**	
Chromium	**3.20**	**3.42**	
Cobalt	**0.220**	**0.193**	
Copper	**0.860**	**0.0822**	
Lead	**0.120**	**0.0988**	
Nickel	**1.20**	**0.264**	
Silver	**0.200**	**0.0064**	
Vanadium	**0.460**	**0.0401**	
Zinc	**0.450**	**1.94**	
Aluminum	*100000*	*97128*	*97*
Antimony	*0.140*	*0.233*	
Barium	*0.390*	*0.641*	
Calcium	*300000*	*278367*	*93*
Iron	*250000*	*230665*	*92*
Magnesium	*100000*	*94816*	*95*
Manganese	*0.500*	*0.666*	
Molybdenum	*2000*	*2030*	*101*
Potassium	*100000*	*95639*	*96*
Selenium	*0.580*	*0.0463*	
Sodium	*250000*	*236136*	*94*
Strontium	*1.70*	*2.39*	
Thallium	*0.0100*	*-0.0223*	
Tin	*0.0600*	*0.118*	
Titanium	*2000*	*1955*	*98*
Uranium	*0.120*	*0.0053*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Lab Sample ID: ICSAB 410-684622/7 Instrument ID: E10

Lab File ID: 078ICSB.d ICS Source: MT_MJ_ICSAB_00128

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**100**	**95.2**	**95**
Beryllium		**-0.0139**	
Cadmium	**100**	**96.6**	**97**
Chromium	**200**	**195**	**97**
Cobalt	**200**	**185**	**92**
Copper	**200**	**187**	**94**
Lead		**0.104**	
Nickel	**200**	**187**	**94**
Silver	**50.0**	**47.8**	**95**
Vanadium	**200**	**198**	**99**
Zinc	**100**	**94.4**	**94**
Aluminum	*100000*	*98350*	*98*
Antimony		*0.177*	
Barium		*-0.249*	
Calcium	*300000*	*282865*	*94*
Iron	*250000*	*233786*	*94*
Magnesium	*100000*	*96590*	*97*
Manganese	*200*	*188*	*94*
Molybdenum	*2000*	*2087*	*104*
Potassium	*100000*	*96913*	*97*
Selenium	*100*	*96.7*	*97*
Sodium	*250000*	*241028*	*96*
Strontium	*2.80*	*3.22*	
Thallium		*-0.0172*	
Tin		*-0.140*	
Titanium	*2000*	*2099*	*105*
Uranium		*0.0077*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 410-684622/8

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-2

Sample Matrix:

LCS Source: MT_MJ_LRC_00129

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	2000	1840		92	90	110		6020B
Barium	2000	1980		99	90	110		6020B
Beryllium	2000	1830		92	90	110		6020B
Cadmium	2000	1920		96	90	110		6020B
Chromium	2000	1860		93	90	110		6020B
Cobalt	2000	1840		92	90	110		6020B
Copper	2000	1900		95	90	110		6020B
Lead	2000	1930		96	90	110		6020B
Nickel	2000	1870		94	90	110		6020B
Silver	2000	1920		96	90	110		6020B
Zinc	2000	1880		94	90	110		6020B
Vanadium	2000	1970		99	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 410-681233/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-2

Sample Matrix: Water

LCS Source: MT_LCS-SPK-A_00055

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	500	503		101	86	111		6020B
Beryllium	50.0	47.8		96	80	120		6020B
Cadmium	50.0	49.5		99	86	114		6020B
Chromium	500	493		99	84	113		6020B
Cobalt	500	459		92	85	112		6020B
Copper	500	483		97	86	111		6020B
Lead	50.0	50.1		100	86	114		6020B
Nickel	500	480		96	85	113		6020B
Silver	50.0	50.0		100	88	116		6020B
Zinc	500	542		108	86	112		6020B
Vanadium	500	472		94	84	112		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 410-685231/8

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-2

Sample Matrix:

LCS Source: MT_MJ_LRC_00129

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	2000	2080		104	90	110		6020B
Barium	2000	2010		101	90	110		6020B
Cadmium	2000	1970		99	90	110		6020B
Chromium	2000	2020		101	90	110		6020B
Cobalt	2000	2030		101	90	110		6020B
Copper	2000	1960		98	90	110		6020B
Lead	2000	2060		103	90	110		6020B
Nickel	2000	1970		99	90	110		6020B
Silver	2000	1960		98	90	110		6020B
Zinc	2000	1980		99	90	110		6020B
Vanadium	2000	1860		93	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 410-681233/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-2

Sample Matrix: Water

LCS Source: MT_LCS-SPK-A_00055

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Barium	500	487		97	86	114		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 410-682638/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-2

Sample Matrix: Water

LCS Source: MP_40Hg_IV_00262

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.20	J	120	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 410-682657/2-A

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC

Job No.: 410-234898-2

Sample Matrix: Water

LCS Source: MP_40Hg_IV_00262

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.03	J	103	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-2

SDG Number:

Matrix: Water Instrument ID: E07 - 27813

Method: 6020B MDL Date: 02/11/2021 10:57

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Barium	137	10	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-2

SDG Number:

Matrix: Water Instrument ID: E07 - 27813

Method: 6020B XMDL Date: 04/09/2025 09:22

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Barium	137	2	0.746

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-2

SDG Number:

Matrix: Water Instrument ID: E10

Method: 6020B MDL Date: 02/11/2021 10:57

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic	75	10	2
Beryllium	9	1	0.3
Cadmium	111	1	0.2
Chromium	52	5	1
Cobalt	59	5	1
Copper	63	5	1.7
Lead	208	3	1
Nickel	60	10	2
Silver	107	2	0.3
Vanadium	51	10	2.5
Zinc	66	30	7.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-2

SDG Number:

Matrix: Water Instrument ID: E10

Method: 6020B XMDL Date: 04/09/2025 09:22

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic	75	2	0.68
Beryllium	9	0.5	0.119
Cadmium	111	0.5	0.151
Chromium	52	2	0.55
Cobalt	59	0.5	0.156
Copper	63	1	0.85
Lead	208	0.5	0.12
Nickel	60	1	0.4
Silver	107	0.5	0.1
Vanadium	51	4	0.794
Zinc	66	10	4

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-2

SDG Number:

Matrix: Water Instrument ID: M10 - 31820

Method: 7470A MDL Date: 02/11/2021 10:56

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		2	0.2

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job Number: 410-234898-2

SDG Number:

Matrix: Water Instrument ID: M10 - 31820

Method: 7470A XMDL Date: 05/08/2025 08:43

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.087

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No: 410-234898-2

SDG No.:

Instrument ID: E07 - 27813 Date: 11/26/2024 16:32

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Barium		2000	6020B

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No: 410-234898-2

SDG No.:

Instrument ID: M10 - 31820 Date: 12/01/2020 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury		4.5	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-681233/1-A	08/11/2025 04:22	681233		50	50
LCS 410-681233/2-A	08/11/2025 04:22	681233		50	50
410-234898-9	08/11/2025 04:22	681233		50	50
410-234898-10	08/11/2025 04:22	681233		50	50
410-234898-8	08/11/2025 04:22	681233		50	50
410-234898-7	08/11/2025 04:22	681233		50	50
410-234898-11	08/11/2025 04:22	681233		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-682638/1-A	08/12/2025 10:26	682638		20	20
LCS 410-682638/2-A	08/12/2025 10:26	682638		20	20
410-234898-11	08/12/2025 10:26	682638		20	20
410-234898-7	08/12/2025 10:26	682638		20	20
410-234898-9	08/12/2025 10:26	682638		20	20
410-234898-8	08/12/2025 10:26	682638		20	20

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 410-682657/1-A	08/13/2025 06:13	682657		20	20
LCS 410-682657/2-A	08/13/2025 06:13	682657		20	20
410-234898-10	08/13/2025 06:13	682657		20	20

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: E07 - 27813 Analysis Method: 6020B

Start Date: 08/13/2025 09:10 End Date: 08/13/2025 22:29

Lab Sample Id	D/F	Type	Time	Analytes
				Ba
ICIS 410-685231/1			09:10	X
STD1 410-685231/2 IC	1		09:12	X
ICV 410-685231/3	1		09:22	X
ICB 410-685231/4	1		09:29	X
CRI 410-685231/5	1		09:32	X
ICSA 410-685231/6	1		10:23	X
ICSAB 410-685231/7	1		10:25	X
LRC 410-685231/8	1		10:27	X
CCV 410-685231/9	1		17:00	X
CCB 410-685231/10	1		17:04	X
ZZZZZZ (QC)			17:07	
MB 410-681233/1-A	1	R	17:09	X
ZZZZZZ (QC)			17:11	
ZZZZZZ (QC)			17:13	
ZZZZZZ (QC)			17:17	
LCS 410-681233/2-A	1	R	17:19	X
ZZZZZZ (QC)			17:21	
ZZZZZZ (QC)			17:24	
CCV 410-685231/19	1		17:28	X
CCB 410-685231/20	1		17:48	X
ZZZZZZ (Client)			17:54	
ZZZZZZ (Client)			17:56	
ZZZZZZ (Client)			17:58	
ZZZZZZ (Client)			18:00	
ZZZZZZ (Client)			18:02	
ZZZZZZ (Client)			18:04	
ZZZZZZ (Client)			18:06	
ZZZZZZ (Client)			18:09	
CCV 410-685231/29			18:13	
CCB 410-685231/30			18:17	
ZZZZZZ (Client)			18:19	
ZZZZZZ (QC)			18:21	
ZZZZZZ (QC)			18:23	
ZZZZZZ (QC)			18:25	
ZZZZZZ (Client)			18:28	
ZZZZZZ (Client)			18:30	
ZZZZZZ (Client)			18:32	
ZZZZZZ (Client)			18:34	
ZZZZZZ (Client)			18:36	
ZZZZZZ (Client)			18:38	
CCV 410-685231/41			18:42	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: E07 - 27813 Analysis Method: 6020B

Start Date: 08/13/2025 09:10 End Date: 08/13/2025 22:29

Lab Sample Id	D/F	Type	Time	Analytes
				Ba
CCB 410-685231/42			18:46	
ZZZZZZ (QC)			18:49	
ZZZZZZ (QC)			18:51	
ZZZZZZ (QC)			18:53	
CCV 410-685231/46	1		18:57	X
CCB 410-685231/47	1		19:01	X
ZZZZZZ (Client)			19:03	
ZZZZZZ (QC)			19:05	
ZZZZZZ (QC)			19:08	
ZZZZZZ (QC)			19:10	
ZZZZZZ (Client)			19:12	
410-234898-9	1	R	19:14	X
ZZZZZZ (Client)			19:16	
ZZZZZZ (Client)			19:18	
CCV 410-685231/56	1		19:22	X
CCB 410-685231/57	1		19:26	X
410-234898-10	1	R	19:29	X
410-234898-8	1	R	19:31	X
ZZZZZZ (Client)			19:33	
410-234898-7	1	R	19:35	X
ZZZZZZ (Client)			19:37	
410-234898-11	1	R	19:39	X
ZZZZZZ (Client)			19:41	
ZZZZZZ (Client)			19:43	
CCV 410-685231/66	1		19:47	X
CCB 410-685231/67	1		19:52	X
ZZZZZZ (Client)			19:54	
ZZZZZZ (Client)			19:56	
ZZZZZZ (Client)			19:58	
ZZZZZZ (Client)			20:00	
ZZZZZZ (Client)			20:02	
ZZZZZZ (Client)			20:04	
ZZZZZZ (Client)			20:06	
ZZZZZZ (Client)			20:08	
ZZZZZZ (Client)			20:10	
CCV 410-685231/77			20:15	
CCB 410-685231/78			20:19	
ZZZZZZ (Client)			20:21	
ZZZZZZ (Client)			20:23	
ZZZZZZ (Client)			20:25	
ZZZZZZ (Client)			20:27	

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: E07 - 27813 Analysis Method: 6020B

Start Date: 08/13/2025 09:10 End Date: 08/13/2025 22:29

Lab Sample Id	D/F	Type	Time	Analytes
				Ba
ZZZZZZ (Client)			20:29	
ZZZZZZ (QC)			20:31	
ZZZZZZ (QC)			20:34	
ZZZZZZ (Client)			20:36	
ZZZZZZ (QC)			20:38	
ZZZZZZ (QC)			20:40	
CCV 410-685231/89			20:44	
CCB 410-685231/90			20:48	
ZZZZZZ (Client)			20:50	
CCV 410-685231/92			21:07	
CCB 410-685231/93			21:14	
ZZZZZZ (Client)			21:16	
ZZZZZZ (QC)			21:18	
ZZZZZZ (QC)			21:20	
ZZZZZZ (Client)			21:22	
ZZZZZZ (Client)			21:24	
ZZZZZZ (Client)			21:26	
ZZZZZZ (QC)			21:28	
ZZZZZZ (QC)			21:30	
CCV 410-685231/102			21:35	
CCB 410-685231/103			21:49	
ZZZZZZ (Client)			21:51	
ZZZZZZ (Client)			21:53	
ZZZZZZ (Client)			21:56	
ZZZZZZ (Client)			21:58	
ZZZZZZ (Client)			22:00	
ZZZZZZ (Client)			22:02	
ZZZZZZ (Client)			22:04	
ZZZZZZ (Client)			22:06	
ZZZZZZ (Client)			22:08	
ZZZZZZ (Client)			22:10	
CCV 410-685231/114			22:14	
CCB 410-685231/115			22:19	
ZZZZZZ (Client)			22:21	
CCV 410-685231/117			22:25	
CCB 410-685231/118			22:29	

Prep Types:
R = Total Recoverable

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: E10 Analysis Method: 6020B

Start Date: 08/12/2025 17:55 End Date: 08/13/2025 00:33

Lab Sample Id	D/F	Type	Time	Analytes																											
				Ag	As	Be	Cd	Co	Cr	Cu	Ni	Pb	V	Zn																	
ICIS 410-684622/1			17:55	X	X	X	X	X	X	X	X	X	X	X																	
STD1 410-684622/2 IC	1		17:57	X	X	X	X	X	X	X	X	X	X	X																	
ICV 410-684622/3	1		17:59	X	X	X	X	X	X	X	X	X	X	X																	
ICB 410-684622/4	1		18:03	X	X	X	X	X	X	X	X	X	X	X																	
CRI 410-684622/5	1		18:07	X	X	X	X	X	X	X	X	X	X	X																	
ICSA 410-684622/6	1		18:23	X	X	X	X	X	X	X	X	X	X	X																	
ICSAB 410-684622/7	1		18:25	X	X	X	X	X	X	X	X	X	X	X																	
LRC 410-684622/8	1		18:27	X	X	X	X	X	X	X	X	X	X	X																	
CCB 410-684622/9	1		18:55	X	X	X	X	X	X	X	X	X	X	X																	
CCV 410-684622/10	1		19:01	X	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ (QC)			19:08																												
ZZZZZZ (QC)			19:10																												
ZZZZZZ (QC)			19:12																												
MB 410-681233/1-A	1	R	19:14	X	X	X	X	X	X	X	X	X	X	X																	
LCS 410-681233/2-A	1	R	19:16	X	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ (QC)			19:18																												
ZZZZZZ (QC)			19:22																												
CCV 410-684622/18	1		19:30	X	X	X	X	X	X	X	X	X	X	X																	
CCB 410-684622/19	1		19:34	X	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ (QC)			19:36																												
CCV 410-684622/21			19:43																												
CCB 410-684622/22			19:47																												
ZZZZZZ (Client)			19:55																												
ZZZZZZ (QC)			19:57																												
ZZZZZZ (QC)			19:59																												
ZZZZZZ (QC)			20:01																												
ZZZZZZ (Client)			20:03																												
ZZZZZZ (Client)			20:05																												
ZZZZZZ (Client)			20:07																												
ZZZZZZ (Client)			20:09																												
ZZZZZZ (Client)			20:11																												
ZZZZZZ (Client)			20:13																												
CCV 410-684622/33			20:17																												
CCB 410-684622/34			20:21																												
CCV 410-684622/35			20:25																												
CCB 410-684622/36			20:29																												
ZZZZZZ (Client)			20:31																												
ZZZZZZ (QC)			20:33																												
ZZZZZZ (QC)			20:35																												
ZZZZZZ (QC)			20:37																												
ZZZZZZ (Client)			20:39																												

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: E10 Analysis Method: 6020B

Start Date: 08/12/2025 17:55 End Date: 08/13/2025 00:33

Lab Sample Id	D/F	Type	Time	Analytes																										
				Ag	As	Be	Cd	Co	Cr	Cu	Ni	Pb	V	Zn																
ZZZZZZ (Client)			20:42																											
ZZZZZZ (Client)			20:44																											
ZZZZZZ (Client)			20:46																											
ZZZZZZ (Client)			20:48																											
ZZZZZZ (Client)			20:50																											
CCV 410-684622/47			20:54																											
CCB 410-684622/48			20:58																											
ZZZZZZ (Client)			21:00																											
ZZZZZZ (Client)			21:02																											
ZZZZZZ (Client)			21:05																											
ZZZZZZ (Client)			21:07																											
ZZZZZZ (Client)			21:09																											
ZZZZZZ (Client)			21:11																											
ZZZZZZ (Client)			21:13																											
ZZZZZZ (Client)			21:15																											
ZZZZZZ (Client)			21:18																											
ZZZZZZ (Client)			21:20																											
CCV 410-684622/59			21:24																											
CCB 410-684622/60			21:28																											
ZZZZZZ (Client)			21:30																											
ZZZZZZ (Client)			21:32																											
ZZZZZZ (Client)			21:34																											
ZZZZZZ (Client)			21:36																											
ZZZZZZ (Client)			21:38																											
ZZZZZZ (Client)			21:40																											
ZZZZZZ (Client)			21:43																											
ZZZZZZ (QC)			21:45																											
ZZZZZZ (QC)			21:47																											
ZZZZZZ (QC)			21:49																											
CCV 410-684622/71			21:53																											
CCB 410-684622/72			21:57																											
ZZZZZZ (QC)			21:59																											
ZZZZZZ (QC)			22:01																											
ZZZZZZ (QC)			22:04																											
ZZZZZZ (Client)			22:06																											
ZZZZZZ (QC)			22:08																											
ZZZZZZ (QC)			22:10																											
ZZZZZZ (QC)			22:12																											
ZZZZZZ (Client)			22:14																											
ZZZZZZ (Client)			22:16																											
ZZZZZZ (Client)			22:18																											

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: E10 Analysis Method: 6020B

Start Date: 08/12/2025 17:55 End Date: 08/13/2025 00:33

Lab Sample Id	D/F	Type	Time	Analytes																											
				Ag	As	Be	Cd	Co	Cr	Cu	Ni	Pb	V	Zn																	
CCV 410-684622/83			22:22																												
CCB 410-684622/84			22:26																												
ZZZZZZ (Client)			22:28																												
ZZZZZZ (Client)			22:30																												
ZZZZZZ (Client)			22:32																												
ZZZZZZ (Client)			22:34																												
ZZZZZZ (Client)			22:36																												
ZZZZZZ (Client)			22:38																												
ZZZZZZ (Client)			22:40																												
ZZZZZZ (Client)			22:42																												
ZZZZZZ (Client)			22:44																												
ZZZZZZ (Client)			22:46																												
CCV 410-684622/95			22:58																												
CCB 410-684622/96			23:02																												
ZZZZZZ (Client)			23:04																												
ZZZZZZ (Client)			23:06																												
ZZZZZZ (Client)			23:08																												
ZZZZZZ (Client)			23:10																												
CCV 410-684622/101	1		23:14	X	X	X	X	X	X	X	X	X	X	X																	
CCB 410-684622/102	1		23:18	X	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ (Client)			23:20																												
ZZZZZZ (QC)			23:22																												
ZZZZZZ (QC)			23:24																												
ZZZZZZ (QC)			23:26																												
ZZZZZZ (Client)			23:28																												
410-234898-9	1	R	23:30	X	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ (Client)			23:32																												
ZZZZZZ (Client)			23:34																												
410-234898-10	1	R	23:36	X	X	X	X	X	X	X	X	X	X	X																	
410-234898-8	1	R	23:38	X	X	X	X	X	X	X	X	X	X	X																	
CCV 410-684622/113	1		23:42	X	X	X	X	X	X	X	X	X	X	X																	
CCB 410-684622/114	1		23:46	X	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ (Client)			23:48																												
410-234898-7	1	R	23:50	X	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ (Client)			23:52																												
410-234898-11	1	R	23:54	X	X	X	X	X	X	X	X	X	X	X																	
CCV 410-684622/119	1		23:58	X	X	X	X	X	X	X	X	X	X	X																	
CCB 410-684622/120	1		00:03	X	X	X	X	X	X	X	X	X	X	X																	
ZZZZZZ (Client)			00:05																												
ZZZZZZ (Client)			00:07																												
ZZZZZZ (Client)			00:09																												

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: E10 Analysis Method: 6020B

Start Date: 08/12/2025 17:55 End Date: 08/13/2025 00:33

Lab Sample Id	D/F	Type	Time	Analytes																										
				Ag	As	Be	Cd	Co	Cr	Cu	Ni	Pb	V	Zn																
ZZZZZZ (Client)			00:11																											
ZZZZZZ (Client)			00:13																											
ZZZZZZ (Client)			00:15																											
CCV 410-684622/127			00:19																											
CCB 410-684622/128			00:23																											
ZZZZZZ (Client)			00:25																											
CCV 410-684622/130			00:29																											
CCB 410-684622/131			00:33																											

Prep Types:
R = Total Recoverable

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/16/2025 14:23 End Date: 08/16/2025 15:44

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
IC 410-685010/1-A			14:23	X
IC 410-685010/2-A			14:24	X
IC 410-685010/3-A			14:26	X
IC 410-685010/4-A			14:28	X
IC 410-685010/5-A			14:30	X
IC 410-685010/6-A			14:32	X
ZZZZZZ			14:34	
ZZZZZZ			14:36	
ICV 410-685010/7-A	0		14:38	X
ICB 410-685010/9-A	1		14:40	X
CRA 410-685010/8-A	1		14:42	X
CCV 410-685010/11-A	1		14:44	X
CCB 410-685010/10-A	1		14:46	X
MB 410-682638/1-A	1	T	14:48	X
LCS 410-682638/2-A	1	T	14:50	X
ZZZZZZ (Client)			14:52	
ZZZZZZ (QC)			14:53	
ZZZZZZ (QC)			14:55	
ZZZZZZ (QC)			14:57	
ZZZZZZ (Client)			14:59	
ZZZZZZ (Client)			15:01	
ZZZZZZ (Client)			15:03	
ZZZZZZ (Client)			15:05	
CCV 410-685010/11-A	1		15:07	X
CCB 410-685010/10-A	1		15:09	X
ZZZZZZ (Client)			15:10	
ZZZZZZ (Client)			15:12	
ZZZZZZ (Client)			15:14	
ZZZZZZ (Client)			15:16	
ZZZZZZ (Client)			15:18	
ZZZZZZ (Client)			15:20	
410-234898-11	1	T	15:22	X
ZZZZZZ (Client)			15:24	
ZZZZZZ (Client)			15:26	
ZZZZZZ (Client)			15:27	
CCV 410-685010/11-A	1		15:29	X
CCB 410-685010/10-A	1		15:31	X
ZZZZZZ (Client)			15:33	
410-234898-7	1	T	15:35	X
ZZZZZZ (Client)			15:37	
410-234898-9	1	T	15:39	X

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/16/2025 14:23 End Date: 08/16/2025 15:44

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
410-234898-8	1	T	15:41	X																								
CCV 410-685010/11-A	1		15:43	X																								
CCB 410-685010/10-A	1		15:44	X																								

Prep Types:
T = Total/NA

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/19/2025 15:21 End Date: 08/19/2025 21:38

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
IC 410-685010/1-A			15:21	X
IC 410-685010/2-A			15:23	X
IC 410-685010/3-A			15:24	X
IC 410-685010/4-A			15:26	X
IC 410-685010/5-A			15:28	X
IC 410-685010/6-A			15:30	X
ICV 410-685010/7-A	1		15:32	X
ICB 410-685010/9-A	1		15:34	X
ZZZZZZ			15:36	
ZZZZZZ			15:38	
ZZZZZZ			15:40	
CRA 410-685010/8-A	1		15:43	X
ZZZZZZ			15:45	
CCV 410-685010/11-A			15:47	
CCB 410-685010/10-A			15:49	
ZZZZZZ (QC)			15:51	
ZZZZZZ (QC)			15:53	
ZZZZZZ (Client)			15:55	
ZZZZZZ (QC)			15:56	
ZZZZZZ (QC)			15:58	
ZZZZZZ (QC)			16:00	
ZZZZZZ (QC)			16:02	
ZZZZZZ (Client)			16:04	
ZZZZZZ (Client)			16:06	
ZZZZZZ (Client)			16:08	
CCV 410-685010/11-A			16:10	
CCB 410-685010/10-A			16:12	
ZZZZZZ (Client)			16:13	
ZZZZZZ (QC)			16:15	
ZZZZZZ (Client)			16:17	
ZZZZZZ (Client)			16:19	
ZZZZZZ (Client)			16:21	
ZZZZZZ (Client)			16:23	
ZZZZZZ (Client)			16:25	
ZZZZZZ (QC)			16:27	
ZZZZZZ (Client)			16:29	
ZZZZZZ (QC)			16:30	
CCV 410-685010/11-A			16:32	
CCB 410-685010/10-A			16:34	
ZZZZZZ (QC)			16:36	
ZZZZZZ (Client)			16:38	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/19/2025 15:21 End Date: 08/19/2025 21:38

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
ZZZZZZ (QC)			16:40	
ZZZZZZ (QC)			16:42	
ZZZZZZ (QC)			16:44	
ZZZZZZ (Client)			16:46	
ZZZZZZ (Client)			16:47	
ZZZZZZ (Client)			16:49	
ZZZZZZ (Client)			16:51	
ZZZZZZ (Client)			16:53	
CCV 410-685010/11-A			16:55	
CCB 410-685010/10-A			16:57	
ZZZZZZ (Client)			16:59	
ZZZZZZ (Client)			17:01	
ZZZZZZ (Client)			17:02	
ZZZZZZ (Client)			17:04	
ZZZZZZ (Client)			17:06	
ZZZZZZ (Client)			17:08	
ZZZZZZ (Client)			17:10	
ZZZZZZ (Client)			17:12	
ZZZZZZ (QC)			17:14	
ZZZZZZ (QC)			17:16	
CCV 410-685010/11-A			17:18	
CCB 410-685010/10-A			17:19	
ZZZZZZ (Client)			17:21	
ZZZZZZ (QC)			17:23	
ZZZZZZ (QC)			17:25	
ZZZZZZ (QC)			17:27	
ZZZZZZ (Client)			17:29	
ZZZZZZ (Client)			17:31	
ZZZZZZ (Client)			17:33	
ZZZZZZ (Client)			17:35	
ZZZZZZ (Client)			17:36	
ZZZZZZ (Client)			17:38	
CCV 410-685010/11-A			17:40	
CCB 410-685010/10-A			17:42	
ZZZZZZ (Client)			17:44	
ZZZZZZ (Client)			17:46	
ZZZZZZ (Client)			17:48	
ZZZZZZ (QC)			17:50	
ZZZZZZ (QC)			17:52	
ZZZZZZ (Client)			17:54	
ZZZZZZ (QC)			17:55	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/19/2025 15:21 End Date: 08/19/2025 21:38

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
ZZZZZZ (QC)			17:57	
ZZZZZZ (QC)			17:59	
ZZZZZZ (Client)			18:01	
CCV 410-685010/11-A			18:03	
CCB 410-685010/10-A			18:05	
ZZZZZZ (Client)			18:07	
ZZZZZZ (Client)			18:09	
ZZZZZZ (Client)			18:11	
ZZZZZZ (Client)			18:12	
ZZZZZZ (Client)			18:14	
ZZZZZZ (Client)			18:16	
ZZZZZZ (Client)			18:18	
ZZZZZZ (QC)			18:20	
ZZZZZZ (Client)			18:22	
ZZZZZZ (Client)			18:24	
CCV 410-685010/11-A	1		18:26	X
CCB 410-685010/10-A	1		18:28	X
ZZZZZZ (Client)			18:29	
ZZZZZZ (Client)			18:31	
ZZZZZZ (Client)			18:33	
ZZZZZZ (Client)			18:35	
ZZZZZZ (Client)			18:37	
MB 410-682657/1-A	1	T	18:39	X
LCS 410-682657/2-A	1	T	18:41	X
ZZZZZZ (Client)			18:43	
ZZZZZZ (QC)			18:45	
ZZZZZZ (QC)			18:47	
CCV 410-685010/11-A	1		18:48	X
CCB 410-685010/10-A	1		18:50	X
ZZZZZZ (QC)			18:52	
410-234898-10	1	T	18:54	X
ZZZZZZ (Client)			18:56	
ZZZZZZ (Client)			18:58	
ZZZZZZ (Client)			19:00	
ZZZZZZ (Client)			19:02	
ZZZZZZ (Client)			19:04	
ZZZZZZ (Client)			19:05	
ZZZZZZ (Client)			19:07	
ZZZZZZ (Client)			19:09	
CCV 410-685010/11-A	1		19:11	X
CCB 410-685010/10-A	1		19:13	X

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/19/2025 15:21 End Date: 08/19/2025 21:38

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
ZZZZZZ (Client)			19:15	
ZZZZZZ (Client)			19:17	
ZZZZZZ (Client)			19:19	
ZZZZZZ (Client)			19:21	
ZZZZZZ (Client)			19:23	
ZZZZZZ (Client)			19:24	
ZZZZZZ (Client)			19:26	
ZZZZZZ (Client)			19:28	
ZZZZZZ (Client)			19:30	
ZZZZZZ (Client)			19:32	
CCV 410-685010/11-A			19:34	
CCB 410-685010/10-A			19:36	
ZZZZZZ (QC)			19:38	
ZZZZZZ (QC)			19:40	
ZZZZZZ (Client)			19:42	
ZZZZZZ (QC)			19:43	
ZZZZZZ (QC)			19:45	
ZZZZZZ (QC)			19:47	
ZZZZZZ (Client)			19:49	
ZZZZZZ (Client)			19:51	
ZZZZZZ (Client)			19:53	
ZZZZZZ (Client)			19:55	
CCV 410-685010/11-A			19:57	
CCB 410-685010/10-A			19:59	
ZZZZZZ (Client)			20:01	
ZZZZZZ (Client)			20:02	
ZZZZZZ (Client)			20:04	
ZZZZZZ (Client)			20:06	
ZZZZZZ (Client)			20:08	
ZZZZZZ (Client)			20:10	
ZZZZZZ (Client)			20:12	
ZZZZZZ (Client)			20:14	
ZZZZZZ (Client)			20:16	
ZZZZZZ (Client)			20:18	
CCV 410-685010/11-A			20:20	
CCB 410-685010/10-A			20:22	
ZZZZZZ (Client)			20:23	
ZZZZZZ (Client)			20:25	
ZZZZZZ (Client)			20:27	
ZZZZZZ (Client)			20:29	
ZZZZZZ (Client)			20:31	

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.:

Instrument ID: M10 - 31820 Analysis Method: 7470A

Start Date: 08/19/2025 15:21 End Date: 08/19/2025 21:38

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
ZZZZZZ (QC)			20:33	
ZZZZZZ (QC)			20:35	
ZZZZZZ (Client)			20:37	
ZZZZZZ (QC)			20:39	
ZZZZZZ (QC)			20:41	
CCV 410-685010/11-A			20:43	
CCB 410-685010/10-A			20:44	
ZZZZZZ (QC)			20:46	
ZZZZZZ (Client)			20:48	
ZZZZZZ (Client)			20:50	
ZZZZZZ (Client)			20:52	
ZZZZZZ (Client)			20:54	
ZZZZZZ (Client)			20:56	
ZZZZZZ (Client)			20:58	
ZZZZZZ (Client)			21:00	
ZZZZZZ (Client)			21:02	
ZZZZZZ (Client)			21:04	
CCV 410-685010/11-A			21:05	
CCB 410-685010/10-A			21:07	
ZZZZZZ (Client)			21:09	
ZZZZZZ (Client)			21:11	
ZZZZZZ (Client)			21:13	
ZZZZZZ (Client)			21:15	
ZZZZZZ (Client)			21:17	
ZZZZZZ (Client)			21:19	
ZZZZZZ (Client)			21:21	
ZZZZZZ (QC)			21:23	
ZZZZZZ (QC)			21:25	
ZZZZZZ (QC)			21:26	
CCV 410-685010/11-A			21:28	
CCB 410-685010/10-A			21:30	
ZZZZZZ (QC)			21:32	
ZZZZZZ (QC)			21:34	
CCV 410-685010/11-A			21:36	
CCB 410-685010/10-A			21:38	

Prep Types:
T = Total/NA

FORM XIII-IN

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.: Analysis Batch No.: 685231

ICP-MS Instrument ID: E07 - 27813 Start Date: 08/13/2025 End Date: 08/13/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Sc-45/1	Q	Element Sc-45/2	Q	Element Sc-45/3	Q	Element Ge/1	Q	Element Ge/2	Q
STD1 410-685231/2	09:12	100		100		101		100		99	
IC ICV 410-685231/3	09:22	100		105		107		99		102	
ICB 410-685231/4	09:29	101		101		98		102		99	
CRI 410-685231/5	09:32	101		102		98		102		103	
ICSA 410-685231/6	10:23	96		100		99		100		101	
ICSAB 410-685231/7	10:25	97		98		98		101		98	
LRC 410-685231/8	10:27	102		101		108		98		96	
CCV 410-685231/9	17:00	99		100		99		96		96	
CCB 410-685231/10	17:04	100		98		98		100		97	
MB 410-681233/1-A	17:09	102		102		102		98		96	
LCS 410-681233/2-A	17:19	103		106		107		104		105	
CCV 410-685231/19	17:28	99		104		101		97		99	
CCB 410-685231/20	17:48	98		99		99		99		98	
CCV 410-685231/46	18:57	99		101		98		97		98	
CCB 410-685231/47	19:01	98		100		99		98		101	
410-234898-9	19:14	100		101		106		100		103	
CCV 410-685231/56	19:22	97		101		103		95		99	
CCB 410-685231/57	19:26	98		98		101		97		99	
410-234898-10	19:29	100		103		105		100		106	
410-234898-8	19:31	99		103		104		100		105	
410-234898-7	19:35	99		101		106		99		103	
410-234898-11	19:39	99		104		101		100		106	
CCV 410-685231/66	19:47	98		105		106		95		102	
CCB 410-685231/67	19:52	96		101		107		96		101	
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.: Analysis Batch No.: 685231

ICP-MS Instrument ID: E07 - 27813 Start Date: 08/13/2025 End Date: 08/13/2025

Analyte	Mass	Internal Standard Used:				
		Element In-115/2 115	Element In-115/3 115	Element Tb-159 159	Element Bi-209 209	Element Sc-45/1 45
Arsenic	75					
Barium	137		X			
Beryllium	9					X
Cadmium	111		X			
Chromium	52					
Cobalt	59					
Copper	63		X			
Lead	208				X	
Nickel	60		X			
Silver	107		X			
Zinc	66					
Vanadium	51					
Aluminum	27					
Antimony	121		X			
Calcium	44					
Iron	57					
Magnesium	24					
Manganese	55					
Molybdenum	98					
Potassium	39					
Selenium	78					
Sodium	23					
Strontium	88					
Thallium	205				X	
Tin	120		X			
Titanium	47					
Uranium	238				X	
Internal Standard Name on Instrument		In-115 (IS)	In-115 (IS)	Tb-159 (IS)	Bi-209 (IS)	Sc-45 (IS)

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.: Analysis Batch No.: 685231

ICP-MS Instrument ID: E07 - 27813 Start Date: 08/13/2025 End Date: 08/13/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In-115/2	Q	Element In-115/3	Q	Element Tb-159	Q	Element Bi-209	Q
STD1 410-685231/2	09:12	101		99		101		102		102	
IC ICV 410-685231/3	09:22	105		105		107		110		108	
ICB 410-685231/4	09:29	98		101		97		99		99	
CRI 410-685231/5	09:32	101		102		100		100		99	
ICSA 410-685231/6	10:23	101		95		93		99		94	
ICSAB 410-685231/7	10:25	99		93		94		98		92	
LRC 410-685231/8	10:27	98		122		96		99		92	
CCV 410-685231/9	17:00	97		98		98		104		103	
CCB 410-685231/10	17:04	97		98		97		101		102	
MB 410-681233/1-A	17:09	97		99		102		105		106	
LCS 410-681233/2-A	17:19	106		105		105		108		108	
CCV 410-685231/19	17:28	98		103		101		105		104	
CCB 410-685231/20	17:48	99		97		98		101		101	
CCV 410-685231/46	18:57	95		101		98		101		99	
CCB 410-685231/47	19:01	99		100		102		102		101	
410-234898-9	19:14	106		101		107		109		107	
CCV 410-685231/56	19:22	102		102		104		106		105	
CCB 410-685231/57	19:26	99		98		101		102		103	
410-234898-10	19:29	104		104		105		106		104	
410-234898-8	19:31	105		103		104		106		104	
410-234898-7	19:35	103		102		103		104		103	
410-234898-11	19:39	102		105		102		103		101	
CCV 410-685231/66	19:47	104		106		108		109		107	
CCB 410-685231/67	19:52	101		103		104		105		104	
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.: Analysis Batch No.: 685231

ICP-MS Instrument ID: E07 - 27813 Start Date: 08/13/2025 End Date: 08/13/2025

Analyte	Mass	Internal Standard Used:				
		Element Sc-45/2 45	Element Sc-45/3 45	Element Ge/1 72	Element Ge/2 72	Element Ge/3 72
Arsenic	75					X
Barium	137					
Beryllium	9					
Cadmium	111					
Chromium	52					X
Cobalt	59					X
Copper	63					
Lead	208					
Nickel	60					
Silver	107					
Zinc	66					X
Vanadium	51		X			
Aluminum	27		X			
Antimony	121					
Calcium	44		X			
Iron	57		X			
Magnesium	24		X			
Manganese	55		X			
Molybdenum	98					X
Potassium	39		X			
Selenium	78				X	
Sodium	23		X			
Strontium	88					X
Thallium	205					
Tin	120					
Titanium	47		X			
Uranium	238					
Internal Standard Name on Instrument		Sc-45 (IS)	Sc-45 (IS)	Ge Internal Standard	Ge Internal Standard	Ge Internal Standard

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.: Analysis Batch No.: 684622

ICP-MS Instrument ID: E10 Start Date: 08/12/2025 End Date: 08/13/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Sc-45/1	Q	Element Sc-45/2	Q	Element Sc-45/3	Q	Element Ge/1	Q	Element Ge/2	Q
STD1 410-684622/2	17:57	100		99		102		100		99	
IC ICV 410-684622/3	17:59	99		100		100		99		100	
ICB 410-684622/4	18:03	99		100		98		99		100	
CRI 410-684622/5	18:07	99		98		102		100		100	
ICSA 410-684622/6	18:23	98		96		100		101		97	
ICSAB 410-684622/7	18:25	100		100		103		103		101	
LRC 410-684622/8	18:27	108		101		111		100		99	
CCB 410-684622/9	18:55	98		97		97		98		98	
CCV 410-684622/10	19:01	99		98		99		98		98	
MB 410-681233/1-A	19:14	99		97		99		98		98	
LCS 410-681233/2-A	19:16	100		99		100		100		100	
CCV 410-684622/18	19:30	97		98		99		97		97	
CCB 410-684622/19	19:34	97		97		100		97		95	
CCV 410-684622/101	23:14	97		95		94		97		92	
CCB 410-684622/102	23:18	97		96		95		98		94	
410-234898-9	23:30	98		95		96		99		94	
410-234898-10	23:36	97		95		95		99		95	
410-234898-8	23:38	97		98		95		99		97	
CCV 410-684622/113	23:42	96		92		92		96		91	
CCB 410-684622/114	23:46	95		95		93		96		94	
410-234898-7	23:50	97		95		95		97		94	
410-234898-11	23:54	96		94		98		97		94	
CCV 410-684622/119	23:58	94		93		95		94		93	
CCB 410-684622/120	00:03	93		92		92		94		93	
IS Name on Instrument											

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ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.: Analysis Batch No.: 684622

ICP-MS Instrument ID: E10 Start Date: 08/12/2025 End Date: 08/13/2025

Analyte	Mass	Internal Standard Used:				
		Element In-115/2 115	Element In-115/3 115	Element Tb-159 159	Element Bi-209 209	Element Sc-45/1 45
Arsenic	75					
Barium	137			X		
Beryllium	9					X
Cadmium	111			X		
Chromium	52					
Cobalt	59					
Copper	63					
Lead	208			X		
Nickel	60					
Silver	107			X		
Zinc	66					
Vanadium	51					
Aluminum	27					
Antimony	121			X		
Calcium	44					
Iron	57					
Magnesium	24					
Manganese	55					
Molybdenum	98			X		
Potassium	39					
Selenium	78					
Sodium	23					
Strontium	88			X		
Thallium	205			X		
Tin	120			X		
Titanium	47			X		
Uranium	238				X	
Internal Standard Name on Instrument		In-115 (IS)	In-115 (IS)	Tb-159 (IS)	Bi-209 (IS)	Sc-45 (IS)

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.: Analysis Batch No.: 684622

ICP-MS Instrument ID: E10 Start Date: 08/12/2025 End Date: 08/13/2025

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In-115/2	Q	Element In-115/3	Q	Element Tb-159	Q	Element Bi-209	Q
STD1 410-684622/2	17:57	98		100		100		101		102	
IC ICV 410-684622/3	17:59	99		102		101		101		101	
ICB 410-684622/4	18:03	99		99		98		100		101	
CRI 410-684622/5	18:07	100		100		98		100		102	
ICSA 410-684622/6	18:23	97		93		97		98		94	
ICSAB 410-684622/7	18:25	100		94		98		100		94	
LRC 410-684622/8	18:27	98				130		100		94	
CCB 410-684622/9	18:55	97		98		99		101		101	
CCV 410-684622/10	19:01	98		99		99		101		101	
MB 410-681233/1-A	19:14	97		99		98		100		102	
LCS 410-681233/2-A	19:16	99		102		99		99		100	
CCV 410-684622/18	19:30	98		100		99		100		101	
CCB 410-684622/19	19:34	97		98		96		100		100	
CCV 410-684622/101	23:14	97		99		98		99		101	
CCB 410-684622/102	23:18	98		99		100		98		101	
410-234898-9	23:30	95		97		95		99		99	
410-234898-10	23:36	96		98		99		99		100	
410-234898-8	23:38	97		97		96		100		101	
CCV 410-684622/113	23:42	96		97		97		98		99	
CCB 410-684622/114	23:46	95		96		97		97		99	
410-234898-7	23:50	97		96		98		97		99	
410-234898-11	23:54	96		95		96		99		101	
CCV 410-684622/119	23:58	92		97		96		99		99	
CCB 410-684622/120	00:03	94		96		96		97		100	
IS Name on Instrument											

15A-IN
ICP-MS INTERNAL STANDARDS RELATIONS
METALS

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-234898-2

SDG No.: Analysis Batch No.: 684622

ICP-MS Instrument ID: E10 Start Date: 08/12/2025 End Date: 08/13/2025

Analyte	Mass	Internal Standard Used:				
		Element Sc-45/2 45	Element Sc-45/3 45	Element Ge/1 72	Element Ge/2 72	Element Ge/3 72
Arsenic	75		X			
Barium	137					
Beryllium	9					
Cadmium	111					
Chromium	52		X			
Cobalt	59					X
Copper	63					X
Lead	208					
Nickel	60					X
Silver	107					
Zinc	66					X
Vanadium	51					X
Aluminum	27					X
Antimony	121					
Calcium	44					X
Iron	57					X
Magnesium	24					X
Manganese	55		X			
Molybdenum	98					
Potassium	39					X
Selenium	78				X	
Sodium	23					X
Strontium	88					
Thallium	205					
Tin	120					
Titanium	47					
Uranium	238					
Internal Standard Name on Instrument		Sc-45 (IS)	Sc-45 (IS)	Ge Internal Standard	Ge Internal Standard	Ge Internal Standard

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 681233 Batch Start Date: 08/11/25 04:22 Batch Analyst: Mertz, James

Batch Method: 3005A Batch End Date: 08/11/25 08:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	MP_1:1HCl 00053	MP_1:1HNO3 00088	MT_LCS-SPK-A 00055	MT_LCS-SPK-B 00055
MB 410-681233/1		3005A, 6020B			50 mL	50 mL	5 mL	2 mL		
LCS 410-681233/2		3005A, 6020B			50 mL	50 mL	5 mL	2 mL	0.2 mL	0.2 mL
410-234898-G-9	16-5	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-G-10	16WC2B	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-G-8	16-3	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-G-7	16-2	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		
410-234898-G-11	16SPRING	3005A, 6020B	Water	R	50 mL	50 mL	5 mL	2 mL		

Batch Notes	
Digestion Tube/Cup ID	24061004
Pipette/Syringe/Dispenser ID	G20054G
Pipette Tip Lot ID	M211419J
Digestion Unit ID	16
Thermometer ID	3917
Temperature - Uncorrected - Start	95 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	95 Degrees C
Temperature - Corrected - End	95 Degrees C

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 682638 Batch Start Date: 08/12/25 10:26 Batch Analyst: Oxendine, Aniyah

Batch Method: 7470A Batch End Date: 08/12/25 12:26

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_5%KMnO4 00553	MP_40Hg_IV 00262	MP_5K2S2O8 00152	MP_NaClHNO 00370
MB 410-682638/1		7470A, 7470A			20 mL	20 mL	3 mL		1.6 mL	1.2 mL
LCS 410-682638/2		7470A, 7470A			20 mL	20 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-234898-H-11	16SPRING	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL
410-234898-H-7	16-2	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL
410-234898-H-9	16-5	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL
410-234898-H-8	16-3	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MT_HNO3_FI 00018	MT_SULF_FI 00022				
MB 410-682638/1		7470A, 7470A			0.5 mL	1 mL				
LCS 410-682638/2		7470A, 7470A			0.5 mL	1 mL				
410-234898-H-11	16SPRING	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-H-7	16-2	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-H-9	16-5	7470A, 7470A	Water	T	0.5 mL	1 mL				
410-234898-H-8	16-3	7470A, 7470A	Water	T	0.5 mL	1 mL				

Batch Notes	
Digestion Tube/Cup ID	LV24010607
Pipette/Syringe/Dispenser ID	G20054G
Digestion Unit ID	10
Thermometer ID	3943
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	10:26
Digestion End Time	12:26
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Reflux Cap ID	2307074
Pipette Tip Lot ID	L208595R

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 682638 Batch Start Date: 08/12/25 10:26 Batch Analyst: Oxendine, Aniyah

Batch Method: 7470A Batch End Date: 08/12/25 12:26

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 682657 Batch Start Date: 08/13/25 06:13 Batch Analyst: Mertz, James

Batch Method: 7470A Batch End Date: 08/13/25 08:13

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_5%KMnO4 00585	MP_40Hg_IV 00262	MP_5K2S2O8 00156	MP_NaClHNO 00381
MB 410-682657/1		7470A, 7470A			20 mL	20 mL	3 mL		1.6 mL	1.2 mL
LCS 410-682657/2		7470A, 7470A			20 mL	20 mL	3 mL	0.5 mL	1.6 mL	1.2 mL
410-234898-H-10	16WC2B	7470A, 7470A	Water	T	20 mL	20 mL	3 mL		1.6 mL	1.2 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MT_HNO3_FI 00021	MT_SULF_FI 00026				
MB 410-682657/1		7470A, 7470A			0.5 mL	1 mL				
LCS 410-682657/2		7470A, 7470A			0.5 mL	1 mL				
410-234898-H-10	16WC2B	7470A, 7470A	Water	T	0.5 mL	1 mL				

Batch Notes	
Digestion Tube/Cup ID	24061004
Pipette/Syringe/Dispenser ID	S/500
Digestion Unit ID	15
Thermometer ID	3993
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Reflux Cap ID	23020109
Pipette Tip Lot ID	m211419j

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 685010 Batch Start Date: 08/13/25 14:31 Batch Analyst: Ruf, Skyler

Batch Method: 7470A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Hg_0.1Control 00281	Hg_1Cal 00268	Hg_1Control 00268	Hg_5%KMnO4 00590
ICV 410-685010/7		7470A, 7470A			100 mL	100 mL			0.25 mL	15 mL
CRA 410-685010/8		7470A, 7470A			100 mL	100 mL	0.2 mL			15 mL
ICB 410-685010/9		7470A, 7470A			100 mL	100 mL				15 mL
CCB 410-685010/10		7470A, 7470A			100 mL	100 mL				15 mL
CCV 410-685010/11		7470A, 7470A			100 mL	100 mL		0.1 mL		15 mL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	MP_5K2S2O8 00156	MP_NaClHNO 00380	MT_HNO3_FI 00021	MT_SULF_FI 00026		
ICV 410-685010/7		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CRA 410-685010/8		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
ICB 410-685010/9		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CCB 410-685010/10		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		
CCV 410-685010/11		7470A, 7470A			8 mL	6 mL	2.5 mL	5 mL		

Batch Notes	
Pipette/Syringe/Dispenser ID	UU08850, UU37982 H22813L KU08130 JUO8391
Digestion Unit ID	4
Thermometer ID	3917
Temperature - Uncorrected - Start	96 Degrees C
Temperature - Corrected - Start	95 Degrees C
Temperature - Uncorrected - End	96 Degrees C
Temperature - Corrected - End	95 Degrees C
Pipette Tip Lot ID	L207589P, L203624K

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-234898-2

SDG No.:

Batch Number: 685010 Batch Start Date: 08/13/25 14:31 Batch Analyst: Ruf, Skyler

Batch Method: 7470A Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Quantitation Report

Data File Name	015CALB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:10:32
Sample Name	ICIS 8061842
Sample Type	CalBlk
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

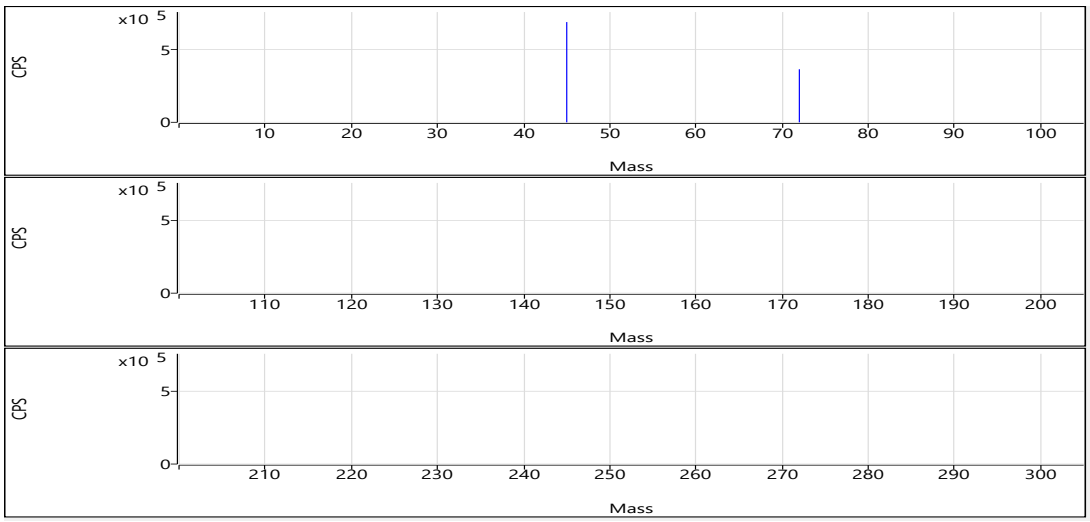
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ppb	N/A	23.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.000	ppb	N/A	7.55	0.0000	Pulse	1.5000	3
Na	23	45	He	0.000	ppb	N/A	14901.19	0.2670	Pulse	0.1000	3
Mg	24	45	He	0.000	ppb	N/A	603.37	0.0108	Pulse	0.1000	3
Al	27	45	He	0.000	ppb	N/A	146.67	0.0026	Pulse	0.1000	3
K	39	45	He	0.000	ppb	N/A	28551.73	0.5115	Pulse	0.1000	3
Ca	44	45	He	0.000	ppb	N/A	250.01	0.0045	Pulse	0.1000	3
Ti	47	45	He	0.000	ppb	N/A	3.33	0.0001	Pulse	0.1000	3
V	51	45	He	0.000	ppb	N/A	938.04	0.0168	Pulse	0.5000	3
Cr	52	72	He	0.000	ppb	N/A	1993.55	0.0223	Pulse	0.1000	3
Mn	55	45	He	0.000	ppb	N/A	253.34	0.0045	Pulse	0.1000	3
Fe	57	45	He	0.000	ppb	N/A	240.01	0.0043	Pulse	0.1000	3
Co	59	72	He	0.000	ppb	N/A	183.34	0.0020	Pulse	0.1000	3
Ni	60	115	He	0.000	ppb	N/A	1116.75	0.0147	Pulse	0.1000	3
Cu	63	115	He	0.000	ppb	N/A	246.68	0.0032	Pulse	0.1000	3
Zn	66	72	He	0.000	ppb	N/A	90.00	0.0010	Pulse	0.1000	3
As	75	72	He	0.000	ppb	N/A	58.67	0.0007	Pulse	0.5000	3
Sr	88	72	He	0.000	ppb	N/A	296.68	0.0033	Pulse	0.1000	3
Mo	98	72	He	0.000	ppb	N/A	53.33	0.0006	Pulse	0.1000	3
Ag	107	115	He	0.000	ppb	N/A	33.33	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.000	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	115	He	0.000	ppb	N/A	4310.82	0.0568	Pulse	0.1000	3
Sb	121	115	He	0.000	ppb	N/A	23.33	0.0003	Pulse	0.1000	3
Ba	137	115	He	0.000	ppb	N/A	93.33	0.0012	Pulse	0.1000	3
Tl	205	209	He	0.000	ppb	N/A	70.00	0.0005	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	N/A	293.34	0.0021	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	116.67	0.0008	Pulse	0.1000	3

ISTD Table:

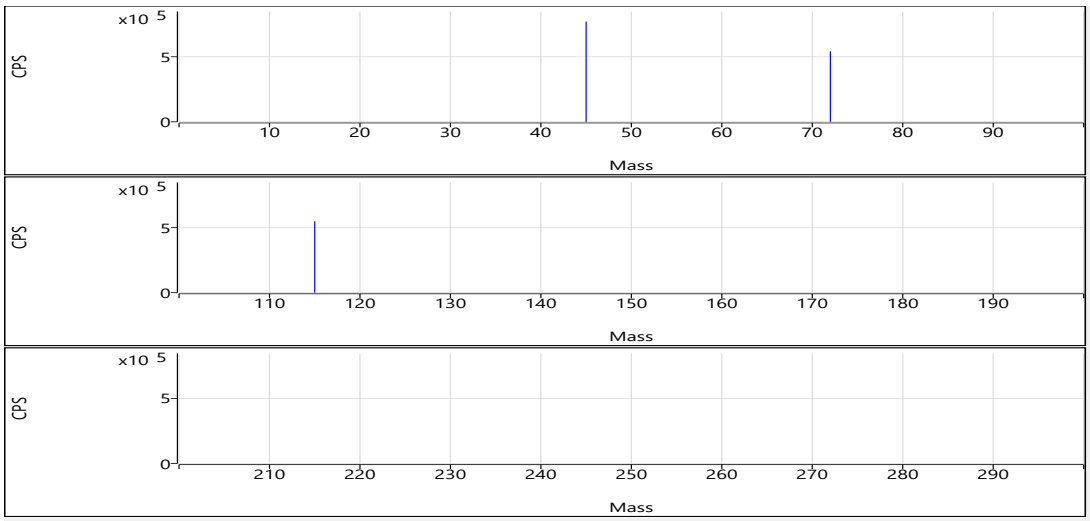
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	683614.44	0.7	100.0	Pulse	0.1000	3
No Gas	Ge	72	361701.57	0.9	100.0	Pulse	0.1000	3
H2	Sc	45	773530.87	1.3	100.0	Pulse	0.1000	3
H2	Ge	72	543983.31	0.7	100.0	Pulse	0.1000	3
H2	In	115	551552.92	1.3	100.0	Pulse	0.1000	3
He	Sc	45	55816.79	0.4	100.0	Pulse	0.1000	3
He	Ge	72	89313.17	1.7	100.0	Pulse	0.1000	3
He	In	115	75936.22	1.0	100.0	Pulse	0.1000	3
He	Tb	159	219790.26	0.5	100.0	Pulse	0.1000	3
He	Bi	209	137762.05	1.8	100.0	Pulse	0.1000	3

No Gas

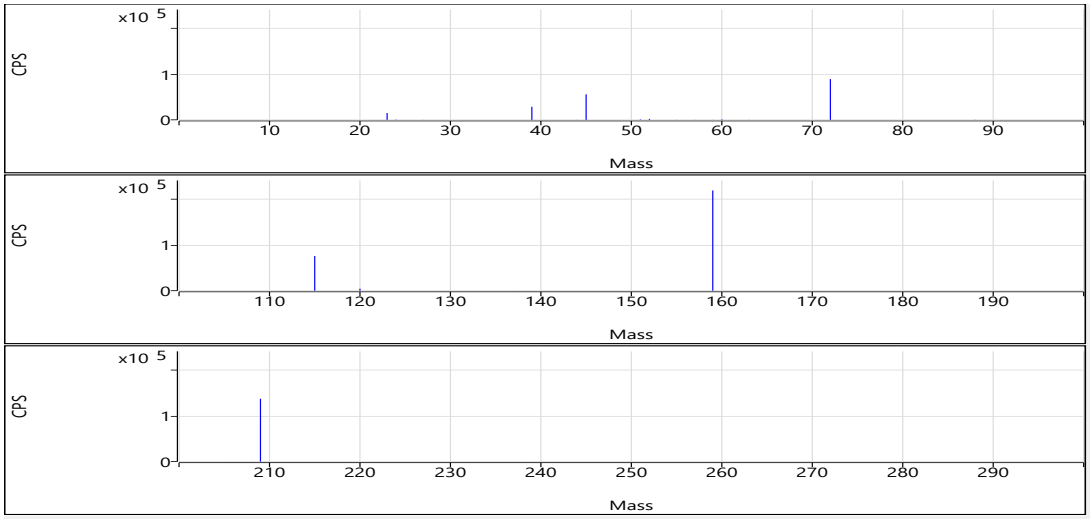


H2



Quantitation Report

He



Quantitation Report

Data File Name	016CALS.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:12:50
Sample Name	STD1 8205362
Sample Type	CalStd
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

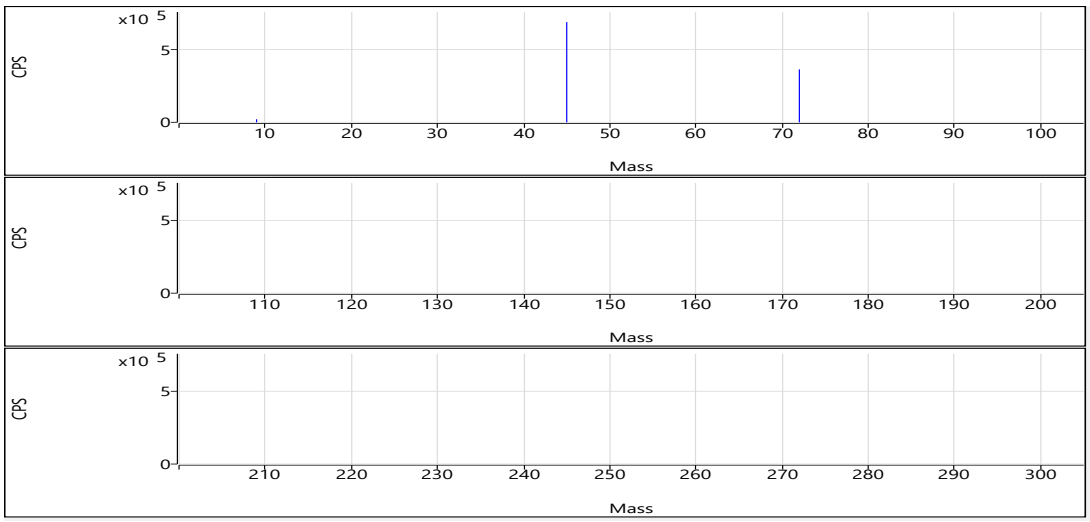
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	100.000	ppb	2.7	20582.15	0.0300	Pulse	0.5000	3
Se	78	72	H2	100.000	ppb	1.0	21255.39	0.0396	Pulse	1.5000	3
Na	23	45	He	10000.000	ppb	0.8	2224682.47	39.4322	Pulse	0.1000	3
Mg	24	45	He	10000.000	ppb	1.0	1123781.23	19.9188	Pulse	0.1000	3
Al	27	45	He	10000.000	ppb	0.5	395475.65	7.0097	Pulse	0.1000	3
K	39	45	He	10000.000	ppb	0.4	1078636.18	19.1185	Pulse	0.1000	3
Ca	44	45	He	10000.000	ppb	1.4	55947.79	0.9916	Pulse	0.1000	3
Ti	47	45	He	10000.000	ppb	0.6	388477.81	6.8855	Pulse	0.1000	3
V	51	45	He	1000.000	ppb	0.8	1479886.79	26.2308	Pulse	0.5000	3
Cr	52	72	He	1000.000	ppb	2.0	1810557.01	20.0043	Pulse	0.1000	3
Mn	55	45	He	1000.000	ppb	0.8	879819.96	15.5946	Pulse	0.1000	3
Fe	57	45	He	10000.000	ppb	0.2	354073.59	6.2757	Pulse	0.1000	3
Co	59	72	He	1000.000	ppb	1.3	3235133.60	35.7419	Pulse	0.1000	3
Ni	60	115	He	1000.000	ppb	0.6	891704.62	11.6453	Pulse	0.1000	3
Cu	63	115	He	1000.000	ppb	0.3	2459934.18	32.1262	Pulse	0.1000	3
Zn	66	72	He	1000.000	ppb	0.9	292348.68	3.2298	Pulse	0.1000	3
As	75	72	He	1000.000	ppb	1.2	227051.86	2.5084	Pulse	0.5000	3
Sr	88	72	He	100.000	ppb	0.5	120111.38	1.3269	Pulse	0.1000	3
Mo	98	72	He	100.000	ppb	0.3	185982.98	2.0546	Pulse	0.1000	3
Ag	107	115	He	100.000	ppb	1.1	354914.25	4.6354	Pulse	0.1000	3
Cd	111	115	He	100.000	ppb	0.5	44726.09	0.5841	Pulse	0.5000	3
Sn	120	115	He	100.000	ppb	0.4	150953.61	1.9714	Pulse	0.1000	3
Sb	121	115	He	100.000	ppb	0.1	130553.58	1.7050	Pulse	0.1000	3
Ba	137	115	He	1000.000	ppb	0.3	476951.84	6.2287	Pulse	0.1000	3
Tl	205	209	He	100.000	ppb	1.4	569810.98	4.0569	Pulse	0.1000	3
Pb	208	209	He	100.000	ppb	0.6	758821.11	5.4021	Pulse	0.1000	3
U	238	209	He	100.000	ppb	1.2	735740.82	5.2381	Pulse	0.1000	3

ISTD Table:

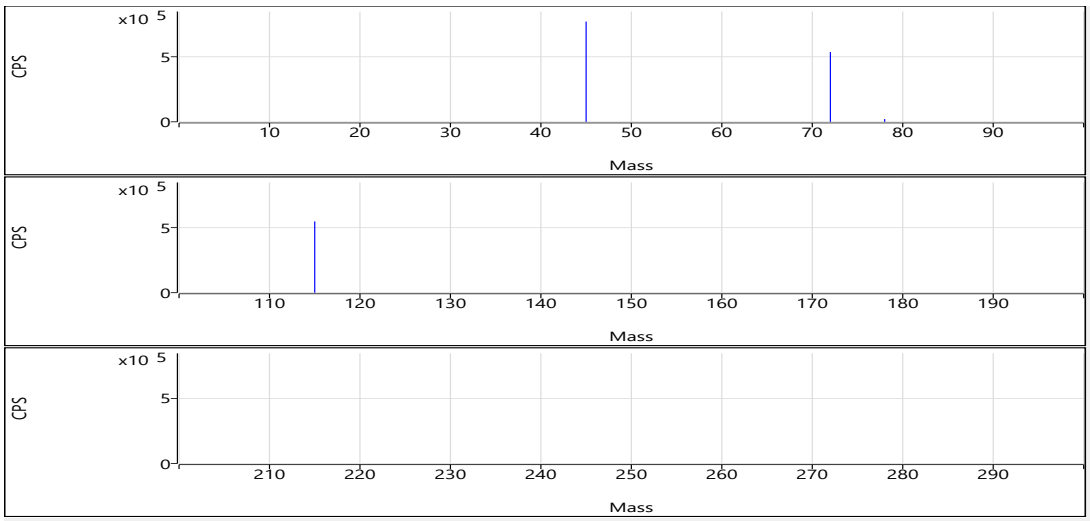
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	686358.92	0.2	100.4	Pulse	0.1000	3
No Gas	Ge	72	362166.28	0.4	100.1	Pulse	0.1000	3
H2	Sc	45	770514.39	1.9	99.6	Pulse	0.1000	3
H2	Ge	72	536347.73	0.9	98.6	Pulse	0.1000	3
H2	In	115	547978.12	1.5	99.4	Pulse	0.1000	3
He	Sc	45	56419.38	0.7	101.1	Pulse	0.1000	3
He	Ge	72	90520.22	1.0	101.4	Pulse	0.1000	3
He	In	115	76572.31	1.1	100.8	Pulse	0.1000	3
He	Tb	159	223829.09	0.9	101.8	Pulse	0.1000	3
He	Bi	209	140476.60	1.6	102.0	Pulse	0.1000	3

No Gas

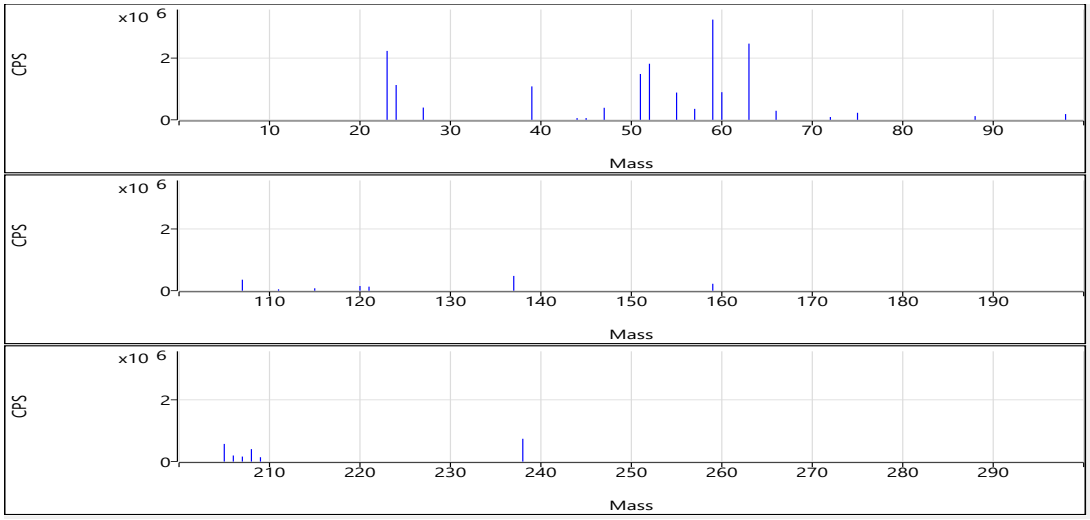


H2



Quantitation Report

He



Quantitation Report

Data File Name	018_ICV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:22:34
Sample Name	ICV 8099766
Sample Type	ICV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

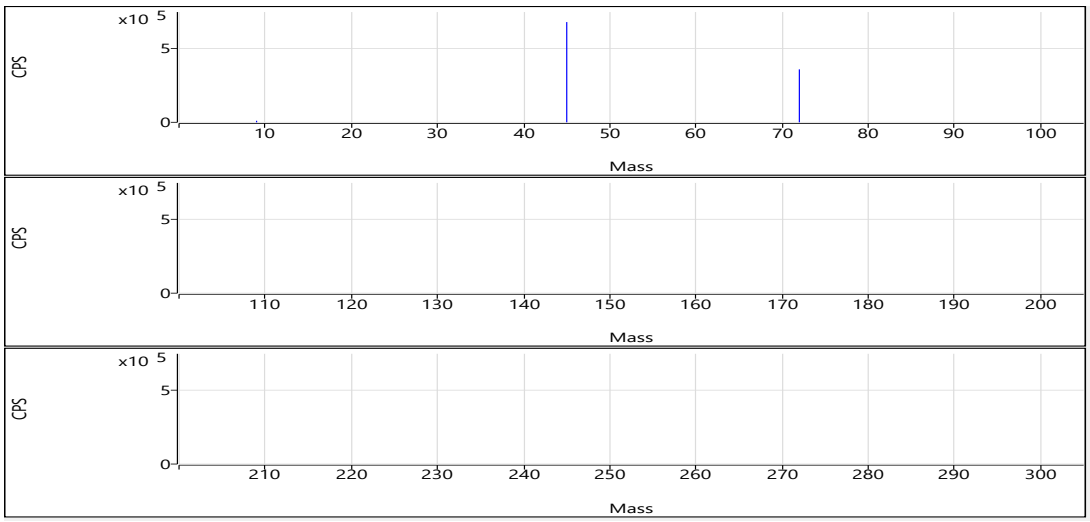
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.680	ppb	1.4	10353.60	0.0152	Pulse	0.5000	3
Se	78	72	H2	51.872	ppb	1.5	11422.53	0.0206	Pulse	1.5000	3
Na	23	45	He	5088.565	ppb	2.8	1201711.73	20.1965	Pulse	0.1000	3
Mg	24	45	He	5106.949	ppb	2.7	605591.01	10.1777	Pulse	0.1000	3
Al	27	45	He	5107.234	ppb	3.4	213067.95	3.5813	Pulse	0.1000	3
K	39	45	He	5092.392	ppb	3.2	594200.13	9.9869	Pulse	0.1000	3
Ca	44	45	He	5129.520	ppb	2.5	30395.67	0.5108	Pulse	0.1000	3
Ti	47	45	He	5087.563	ppb	2.9	208432.92	3.5031	Pulse	0.1000	3
V	51	45	He	510.127	ppb	3.1	796624.96	13.3893	Pulse	0.5000	3
Cr	52	72	He	515.291	ppb	1.2	971437.95	10.3188	Pulse	0.1000	3
Mn	55	45	He	511.383	ppb	2.7	474646.91	7.9771	Pulse	0.1000	3
Fe	57	45	He	5127.216	ppb	3.3	191578.73	3.2198	Pulse	0.1000	3
Co	59	72	He	523.759	ppb	1.4	1762426.69	18.7211	Pulse	0.1000	3
Ni	60	115	He	512.321	ppb	2.0	485781.15	5.9733	Pulse	0.1000	3
Cu	63	115	He	514.567	ppb	1.9	1344519.20	16.5327	Pulse	0.1000	3
Zn	66	72	He	523.474	ppb	0.8	159215.10	1.6912	Pulse	0.1000	3
As	75	72	He	510.373	ppb	0.7	120557.46	1.2806	Pulse	0.5000	3
Sr	88	72	He	49.918	ppb	1.5	62521.39	0.6640	Pulse	0.1000	3
Mo	98	72	He	52.026	ppb	1.5	100656.99	1.0692	Pulse	0.1000	3
Ag	107	115	He	50.416	ppb	1.0	190090.23	2.3372	Pulse	0.1000	3
Cd	111	115	He	54.835	ppb	1.8	26050.10	0.3203	Pulse	0.5000	3
Sn	120	115	He	52.293	ppb	1.2	86048.46	1.0580	Pulse	0.1000	3
Sb	121	115	He	54.503	ppb	3.5	75568.21	0.9294	Pulse	0.1000	3
Ba	137	115	He	510.433	ppb	1.2	258630.75	3.1799	Pulse	0.1000	3
Tl	205	209	He	51.401	ppb	1.0	309796.56	2.0855	Pulse	0.1000	3
Pb	208	209	He	50.812	ppb	1.2	407895.85	2.7460	Pulse	0.1000	3
U	238	209	He	52.116	ppb	1.4	405581.53	2.7303	Pulse	0.1000	3

ISTD Table:

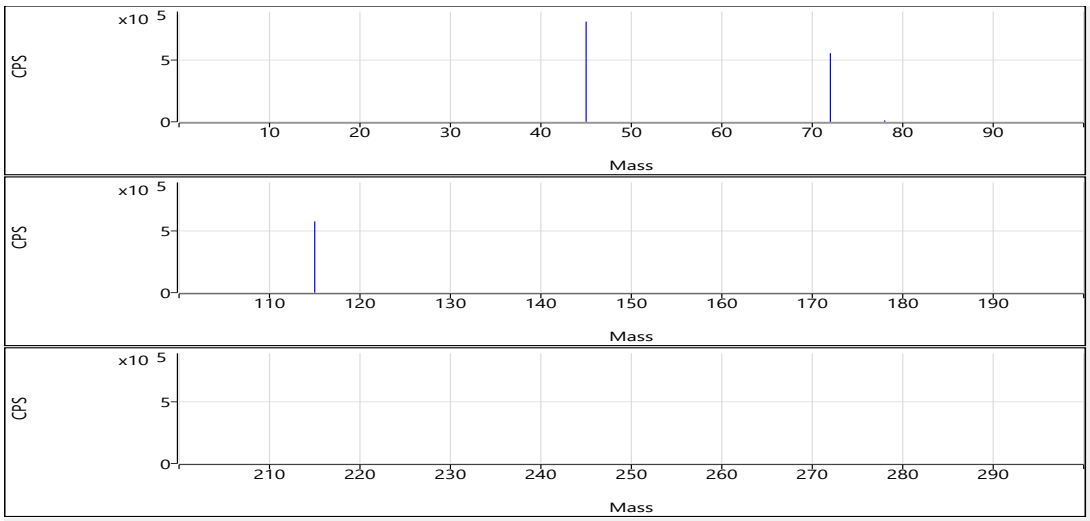
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	680574.13	0.9	99.6	Pulse	0.1000	3
No Gas	Ge	72	359414.49	1.1	99.4	Pulse	0.1000	3
H2	Sc	45	811233.63	1.2	104.9	Pulse	0.1000	3
H2	Ge	72	555499.81	1.0	102.1	Pulse	0.1000	3
H2	In	115	576821.68	1.5	104.6	Pulse	0.1000	3
He	Sc	45	59531.69	2.8	106.7	Pulse	0.1000	3
He	Ge	72	94146.82	0.7	105.4	Pulse	0.1000	3
He	In	115	81342.79	1.7	107.1	Pulse	0.1000	3
He	Tb	159	241050.64	0.2	109.7	Pulse	0.1000	3
He	Bi	209	148551.15	0.7	107.8	Pulse	0.1000	3

No Gas

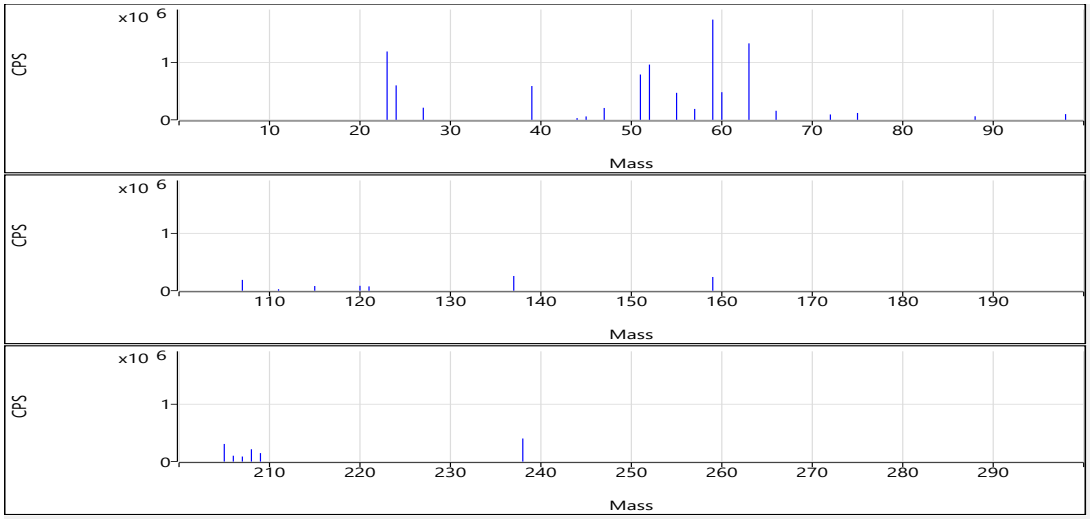


H2



Quantitation Report

He



Quantitation Report

Data File Name	021_ICB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:29:35
Sample Name	ICB 8061842
Sample Type	ICB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

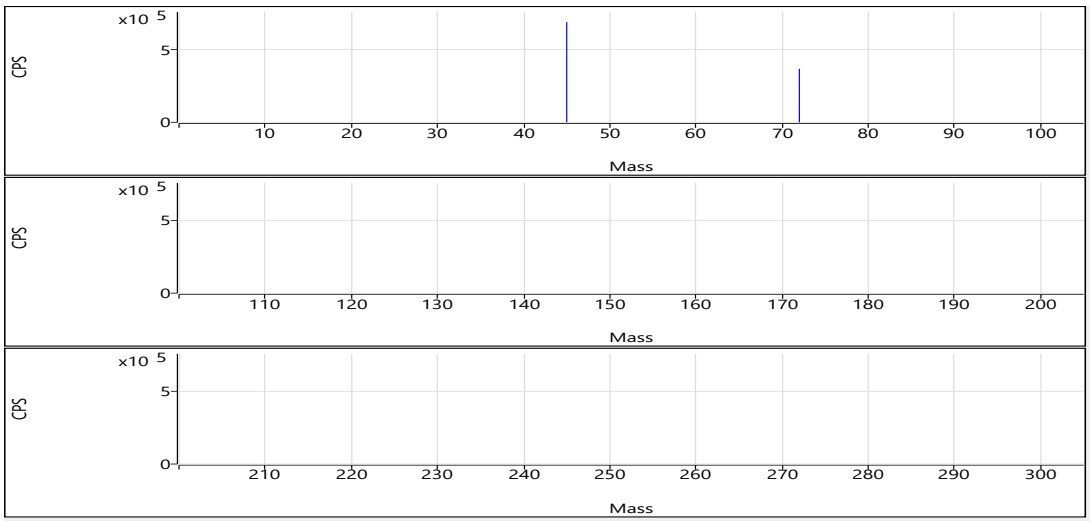
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.001	ppb	N/A	23.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.045	ppb	27.0	17.11	0.0000	Pulse	1.5000	3
Na	23	45	He	1.993	ppb	47.0	14984.63	0.2748	Pulse	0.1000	3
Mg	24	45	He	2.401	ppb	56.7	850.05	0.0156	Pulse	0.1000	3
Al	27	45	He	3.320	ppb	35.8	270.01	0.0050	Pulse	0.1000	3
K	39	45	He	16.146	ppb	143.8	29527.08	0.5416	Pulse	0.1000	3
Ca	44	45	He	0.398	ppb	2037.0	246.68	0.0045	Pulse	0.1000	3
Ti	47	45	He	3.551	ppb	16.8	136.68	0.0025	Pulse	0.1000	3
V	51	45	He	0.220	ppb	13.2	1231.40	0.0226	Pulse	0.5000	3
Cr	52	72	He	0.300	ppb	20.1	2470.29	0.0283	Pulse	0.1000	3
Mn	55	45	He	0.195	ppb	17.4	413.35	0.0076	Pulse	0.1000	3
Fe	57	45	He	2.205	ppb	3.4	310.01	0.0057	Pulse	0.1000	3
Co	59	72	He	0.244	ppb	20.3	940.06	0.0108	Pulse	0.1000	3
Ni	60	115	He	0.168	ppb	50.8	1226.77	0.0166	Pulse	0.1000	3
Cu	63	115	He	0.246	ppb	12.1	820.05	0.0111	Pulse	0.1000	3
Zn	66	72	He	0.518	ppb	29.2	233.34	0.0027	Pulse	0.1000	3
As	75	72	He	0.378	ppb	7.7	140.00	0.0016	Pulse	0.5000	3
Sr	88	72	He	0.004	ppb	180.0	293.34	0.0034	Pulse	0.1000	3
Mo	98	72	He	0.019	ppb	57.0	86.67	0.0010	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	27.0	113.34	0.0015	Pulse	0.1000	3
Cd	111	115	He	0.023	ppb	40.2	12.00	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.169	ppb	49.0	4420.85	0.0600	Pulse	0.1000	3
Sb	121	115	He	0.027	ppb	46.7	56.67	0.0008	Pulse	0.1000	3
Ba	137	115	He	0.143	ppb	57.3	156.68	0.0021	Pulse	0.1000	3
Tl	205	209	He	0.033	ppb	41.9	253.35	0.0019	Pulse	0.1000	3
Pb	208	209	He	0.021	ppb	22.9	440.02	0.0032	Pulse	0.1000	3
U	238	209	He	0.020	ppb	28.9	253.34	0.0019	Pulse	0.1000	3

ISTD Table:

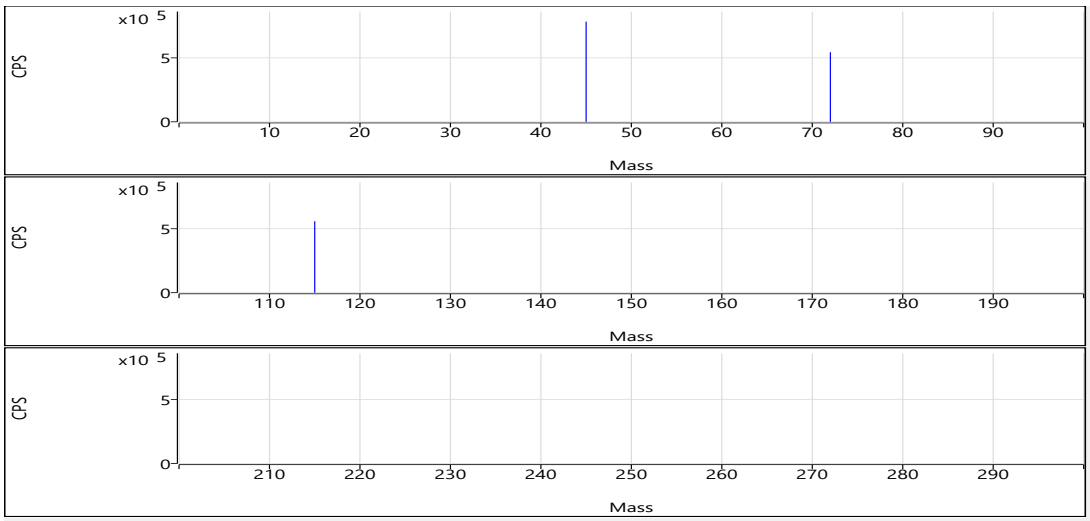
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	688842.91	0.2	100.8	Pulse	0.1000	3
No Gas	Ge	72	367818.91	1.5	101.7	Pulse	0.1000	3
H2	Sc	45	777467.46	1.6	100.5	Pulse	0.1000	3
H2	Ge	72	539926.84	1.1	99.3	Pulse	0.1000	3
H2	In	115	554281.53	1.2	100.5	Pulse	0.1000	3
He	Sc	45	54539.15	0.8	97.7	Pulse	0.1000	3
He	Ge	72	87203.79	1.3	97.6	Pulse	0.1000	3
He	In	115	73676.65	1.9	97.0	Pulse	0.1000	3
He	Tb	159	218374.93	1.1	99.4	Pulse	0.1000	3
He	Bi	209	135651.41	2.0	98.5	Pulse	0.1000	3

No Gas

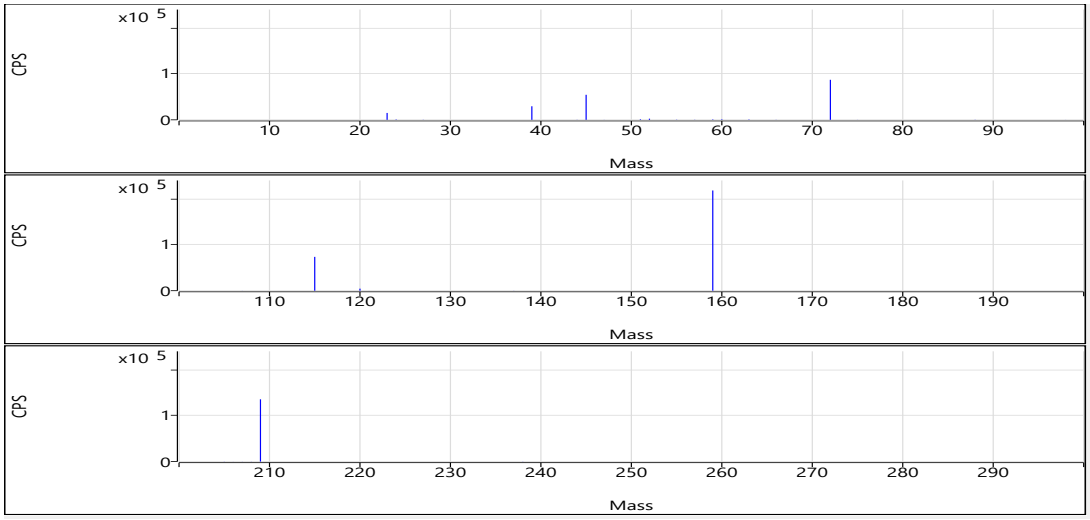


H2



Quantitation Report

He



Quantitation Report

Data File Name	022_LLC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 09:32:50
Sample Name	CRI 8216529
Sample Type	CRI
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

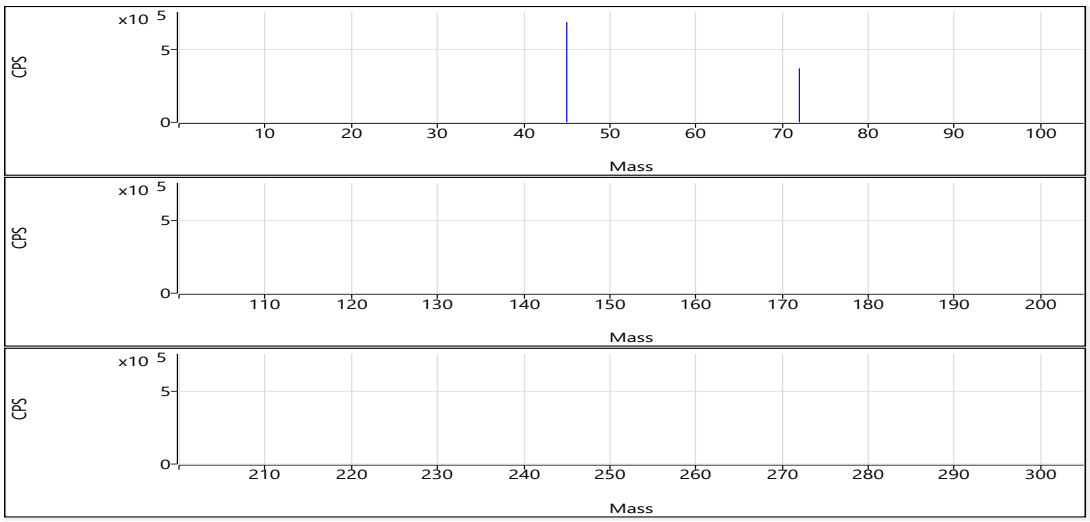
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.500	ppb	4.1	126.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	1.077	ppb	4.8	245.56	0.0004	Pulse	1.5000	3
Na	23	45	He	205.888	ppb	2.2	58666.55	1.0733	Pulse	0.1000	3
Mg	24	45	He	54.214	ppb	6.9	6491.66	0.1187	Pulse	0.1000	3
Al	27	45	He	23.694	ppb	12.4	1050.07	0.0192	Pulse	0.1000	3
K	39	45	He	219.645	ppb	9.9	50300.27	0.9202	Pulse	0.1000	3
Ca	44	45	He	94.086	ppb	28.7	753.38	0.0138	Pulse	0.1000	3
Ti	47	45	He	11.965	ppb	14.6	453.36	0.0083	Pulse	0.1000	3
V	51	45	He	2.245	ppb	2.9	4133.94	0.0756	Pulse	0.5000	3
Cr	52	72	He	2.194	ppb	4.7	5958.09	0.0662	Pulse	0.1000	3
Mn	55	45	He	2.132	ppb	10.7	2063.56	0.0378	Pulse	0.1000	3
Fe	57	45	He	50.515	ppb	19.2	1963.54	0.0360	Pulse	0.1000	3
Co	59	72	He	0.681	ppb	2.8	2376.96	0.0264	Pulse	0.1000	3
Ni	60	115	He	1.268	ppb	3.5	2240.26	0.0295	Pulse	0.1000	3
Cu	63	115	He	1.222	ppb	7.1	3230.47	0.0425	Pulse	0.1000	3
Zn	66	72	He	10.648	ppb	6.0	3187.15	0.0354	Pulse	0.1000	3
As	75	72	He	2.206	ppb	3.6	557.35	0.0062	Pulse	0.5000	3
Sr	88	72	He	0.924	ppb	6.8	1400.12	0.0155	Pulse	0.1000	3
Mo	98	72	He	0.432	ppb	14.7	853.39	0.0095	Pulse	0.1000	3
Ag	107	115	He	0.503	ppb	4.5	1806.85	0.0238	Pulse	0.1000	3
Cd	111	115	He	0.536	ppb	10.5	240.67	0.0032	Pulse	0.5000	3
Sn	120	115	He	2.012	ppb	5.8	7245.46	0.0953	Pulse	0.1000	3
Sb	121	115	He	1.071	ppb	11.3	1413.47	0.0186	Pulse	0.1000	3
Ba	137	115	He	1.988	ppb	11.4	1033.41	0.0136	Pulse	0.1000	3
Tl	205	209	He	0.522	ppb	7.9	2967.12	0.0217	Pulse	0.1000	3
Pb	208	209	He	0.515	ppb	6.6	4090.41	0.0299	Pulse	0.1000	3
U	238	209	He	1.014	ppb	6.3	7379.06	0.0540	Pulse	0.1000	3

ISTD Table:

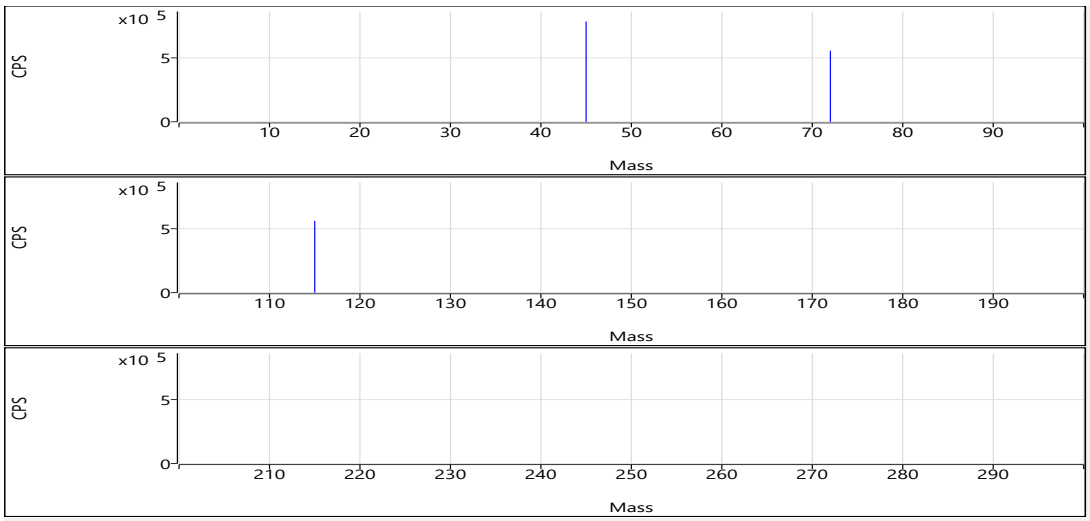
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	688406.89	0.3	100.7	Pulse	0.1000	3
No Gas	Ge	72	370457.38	0.2	102.4	Pulse	0.1000	3
H2	Sc	45	786770.51	1.4	101.7	Pulse	0.1000	3
H2	Ge	72	557739.59	1.3	102.5	Pulse	0.1000	3
H2	In	115	563489.16	1.9	102.2	Pulse	0.1000	3
He	Sc	45	54659.64	1.5	97.9	Pulse	0.1000	3
He	Ge	72	90047.68	0.7	100.8	Pulse	0.1000	3
He	In	115	76054.18	2.1	100.2	Pulse	0.1000	3
He	Tb	159	220329.22	1.1	100.2	Pulse	0.1000	3
He	Bi	209	136717.73	1.7	99.2	Pulse	0.1000	3

No Gas

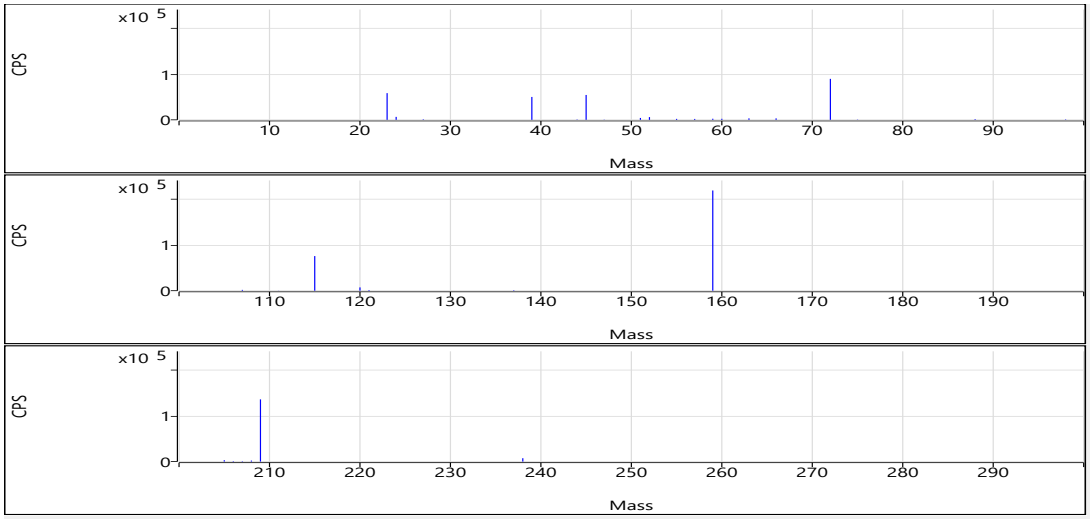


H2



Quantitation Report

He



Quantitation Report

Data File Name	023ICSA.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 10:23:04
Sample Name	ICSA 8027879
Sample Type	ICSA
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

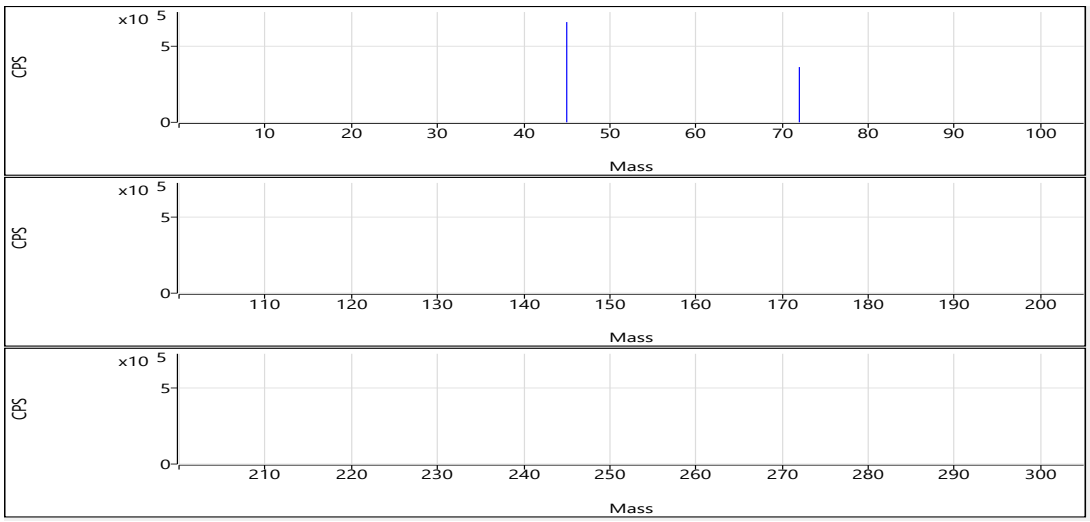
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.033	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.077	ppb	5.6	24.44	0.0000	Pulse	1.5000	3
Na	23	45	He	248383.342	ppb	1.9	53581517.54	973.0667	Analog	0.1000	3
Mg	24	45	He	100084.312	ppb	1.8	10972224.84	199.2589	Analog	0.1000	3
Al	27	45	He	98942.687	ppb	1.6	3817891.30	69.3325	Pulse	0.1000	3
K	39	45	He	97717.317	ppb	1.8	10040177.77	182.3338	Analog	0.1000	3
Ca	44	45	He	282720.953	ppb	2.0	1536948.93	27.9120	Pulse	0.1000	3
Ti	47	45	He	1992.311	ppb	1.3	75548.07	1.3719	Pulse	0.1000	3
V	51	45	He	0.037	ppb	115.1	978.71	0.0178	Pulse	0.5000	3
Cr	52	72	He	3.653	ppb	8.4	8579.55	0.0953	Pulse	0.1000	3
Mn	55	45	He	0.621	ppb	3.9	783.38	0.0142	Pulse	0.1000	3
Fe	57	45	He	240416.911	ppb	2.3	8302195.71	150.7791	Analog	0.1000	3
Co	59	72	He	0.267	ppb	9.6	1043.41	0.0116	Pulse	0.1000	3
Ni	60	115	He	0.068	ppb	102.6	1090.09	0.0155	Pulse	0.1000	3
Cu	63	115	He	0.090	ppb	52.2	430.02	0.0061	Pulse	0.1000	3
Zn	66	72	He	1.653	ppb	28.1	570.03	0.0063	Pulse	0.1000	3
As	75	72	He	0.199	ppb	17.8	104.00	0.0012	Pulse	0.5000	3
Sr	88	72	He	2.579	ppb	3.9	3370.52	0.0375	Pulse	0.1000	3
Mo	98	72	He	1959.241	ppb	1.1	3621602.86	40.2436	Pulse	0.1000	3
Ag	107	115	He	0.006	ppb	51.7	50.00	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.298	ppb	16.5	124.67	0.0018	Pulse	0.5000	3
Sn	120	115	He	0.787	ppb	30.6	5057.84	0.0718	Pulse	0.1000	3
Sb	121	115	He	0.204	ppb	20.4	266.68	0.0038	Pulse	0.1000	3
Ba	137	115	He	0.342	ppb	30.1	236.68	0.0034	Pulse	0.1000	3
Tl	205	209	He	0.003	ppb	125.8	80.00	0.0006	Pulse	0.1000	3
Pb	208	209	He	0.109	ppb	15.6	1040.06	0.0080	Pulse	0.1000	3
U	238	209	He	-0.005	ppb	N/A	76.67	0.0006	Pulse	0.1000	3

ISTD Table:

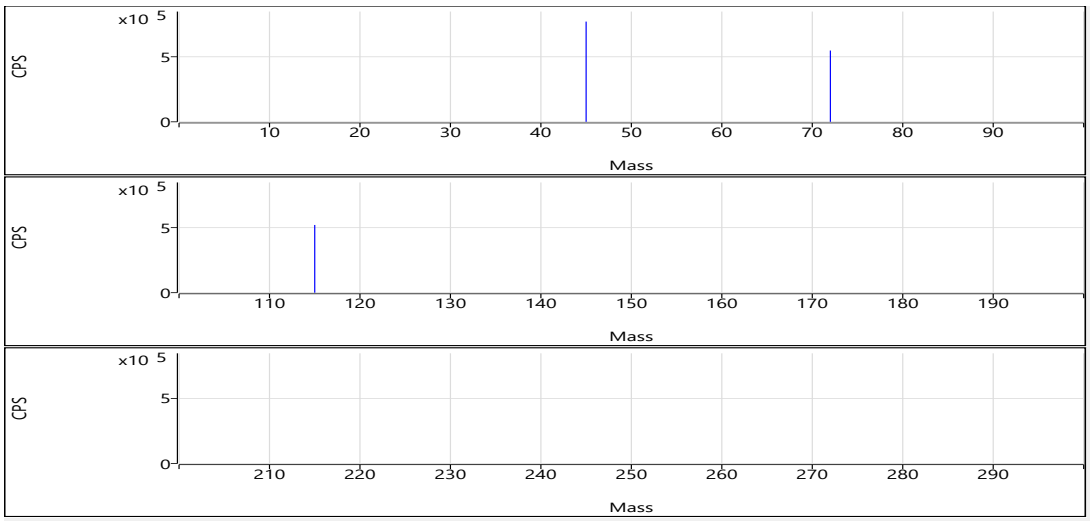
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	659260.33	0.5	96.4	Pulse	0.1000	3
No Gas	Ge	72	363251.37	0.8	100.4	Pulse	0.1000	3
H2	Sc	45	773949.47	0.8	100.1	Pulse	0.1000	3
H2	Ge	72	550382.99	1.0	101.2	Pulse	0.1000	3
H2	In	115	522906.14	0.4	94.8	Pulse	0.1000	3
He	Sc	45	55077.61	1.9	98.7	Pulse	0.1000	3
He	Ge	72	89997.76	0.9	100.8	Pulse	0.1000	3
He	In	115	70395.02	2.0	92.7	Pulse	0.1000	3
He	Tb	159	217446.83	0.6	98.9	Pulse	0.1000	3
He	Bi	209	129808.23	0.9	94.2	Pulse	0.1000	3

No Gas

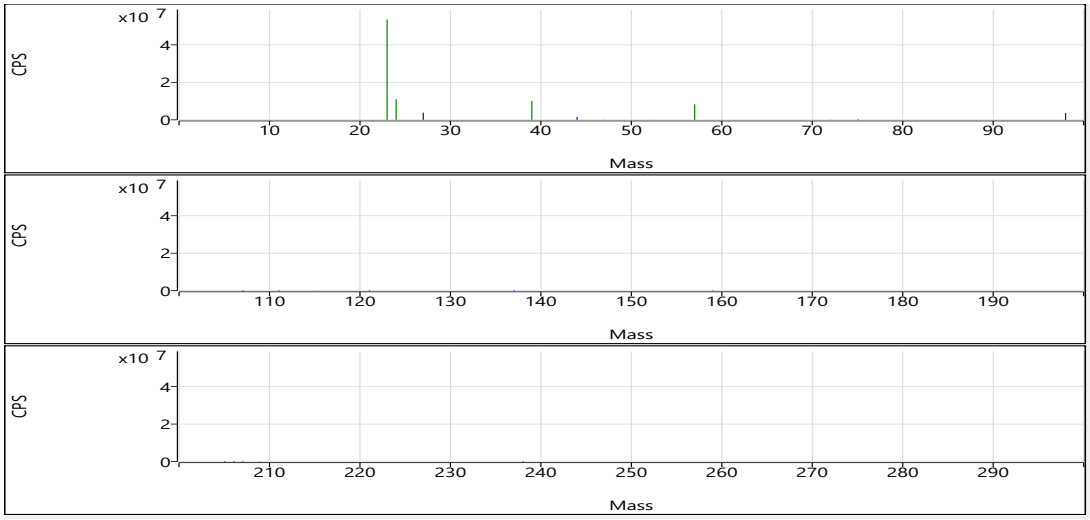


H2



Quantitation Report

He



Quantitation Report

Data File Name	024ICSB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 10:25:09
Sample Name	ICSAB 8053045
Sample Type	ICSAB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

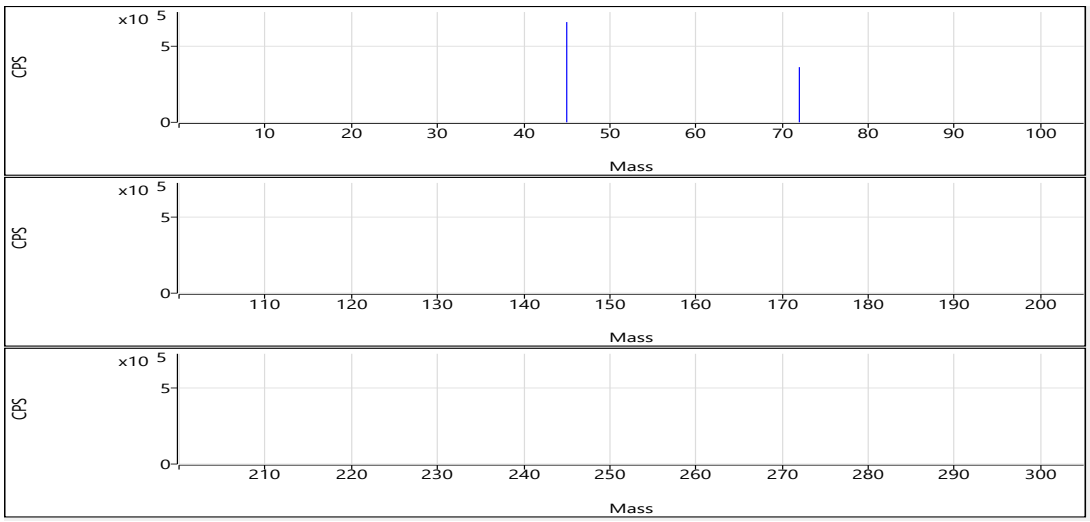
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.027	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	99.184	ppb	0.5	21035.96	0.0393	Pulse	1.5000	3
Na	23	45	He	254999.121	ppb	1.9	54362739.19	998.9775	Analog	0.1000	3
Mg	24	45	He	102394.980	ppb	1.5	11094442.75	203.8589	Analog	0.1000	3
Al	27	45	He	101923.128	ppb	1.6	3886851.40	71.4209	Pulse	0.1000	3
K	39	45	He	100974.035	ppb	1.2	10253309.01	188.3935	Analog	0.1000	3
Ca	44	45	He	292184.498	ppb	1.6	1569924.61	28.8461	Pulse	0.1000	3
Ti	47	45	He	2030.899	ppb	1.2	76108.20	1.3984	Pulse	0.1000	3
V	51	45	He	205.399	ppb	1.3	293951.49	5.4011	Pulse	0.5000	3
Cr	52	72	He	201.993	ppb	1.6	360163.65	4.0585	Pulse	0.1000	3
Mn	55	45	He	199.048	ppb	1.4	169136.66	3.1077	Pulse	0.1000	3
Fe	57	45	He	242574.213	ppb	2.0	8278929.25	152.1321	Analog	0.1000	3
Co	59	72	He	197.906	ppb	1.3	627832.54	7.0752	Pulse	0.1000	3
Ni	60	115	He	206.779	ppb	0.9	172087.04	2.4197	Pulse	0.1000	3
Cu	63	115	He	204.587	ppb	0.5	467615.64	6.5752	Pulse	0.1000	3
Zn	66	72	He	96.833	ppb	2.1	27834.10	0.3137	Pulse	0.1000	3
As	75	72	He	96.727	ppb	1.8	21582.83	0.2432	Pulse	0.5000	3
Sr	88	72	He	2.608	ppb	2.2	3357.18	0.0378	Pulse	0.1000	3
Mo	98	72	He	1998.679	ppb	1.1	3643095.99	41.0536	Pulse	0.1000	3
Ag	107	115	He	51.786	ppb	0.2	170736.42	2.4007	Pulse	0.1000	3
Cd	111	115	He	100.707	ppb	0.0	41837.26	0.5883	Pulse	0.5000	3
Sn	120	115	He	0.217	ppb	69.0	4330.85	0.0609	Pulse	0.1000	3
Sb	121	115	He	0.202	ppb	11.0	266.68	0.0038	Pulse	0.1000	3
Ba	137	115	He	0.299	ppb	27.9	220.01	0.0031	Pulse	0.1000	3
Tl	205	209	He	0.017	ppb	54.6	153.34	0.0012	Pulse	0.1000	3
Pb	208	209	He	0.106	ppb	17.1	993.39	0.0079	Pulse	0.1000	3
U	238	209	He	-0.003	ppb	N/A	86.67	0.0007	Pulse	0.1000	3

ISTD Table:

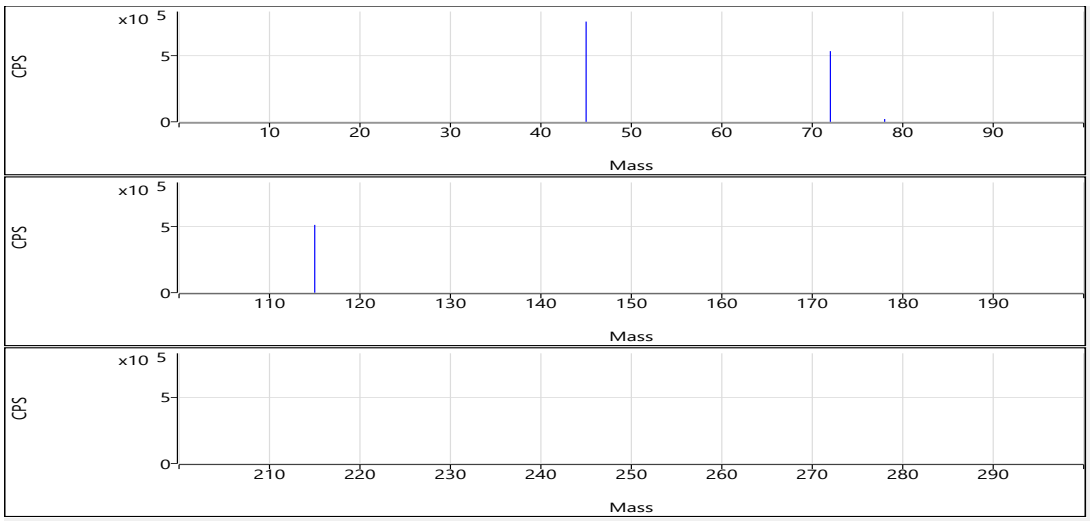
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	660978.62	1.0	96.7	Pulse	0.1000	3
No Gas	Ge	72	363676.61	0.7	100.5	Pulse	0.1000	3
H2	Sc	45	758706.68	0.6	98.1	Pulse	0.1000	3
H2	Ge	72	535153.68	0.5	98.4	Pulse	0.1000	3
H2	In	115	513177.00	0.7	93.0	Pulse	0.1000	3
He	Sc	45	54431.71	1.9	97.5	Pulse	0.1000	3
He	Ge	72	88746.64	1.3	99.4	Pulse	0.1000	3
He	In	115	71120.61	1.2	93.7	Pulse	0.1000	3
He	Tb	159	216210.83	1.3	98.4	Pulse	0.1000	3
He	Bi	209	126341.30	0.9	91.7	Pulse	0.1000	3

No Gas

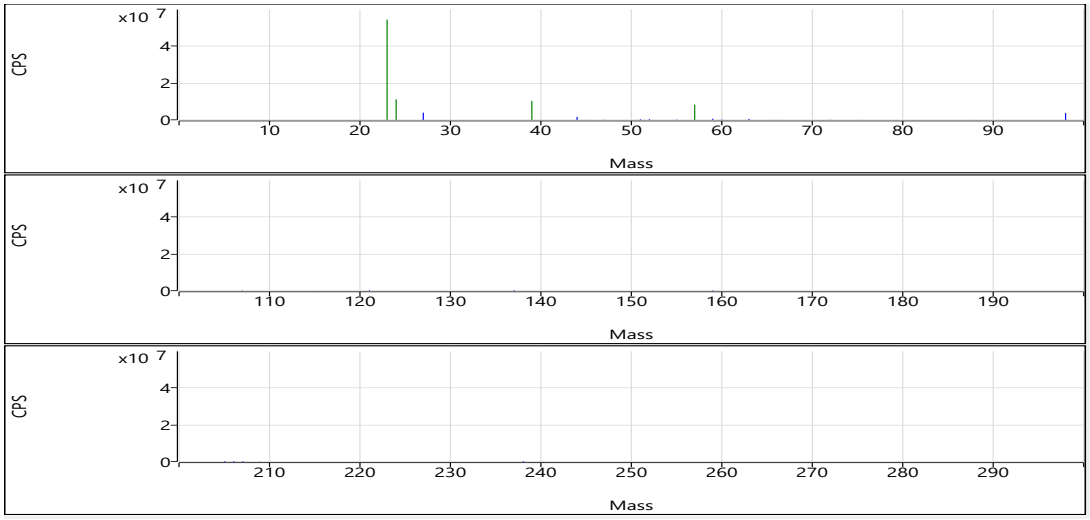


H2



Quantitation Report

He



Quantitation Report

Data File Name	025_LRC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 10:27:15
Sample Name	LRC 8160221
Sample Type	LRC
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

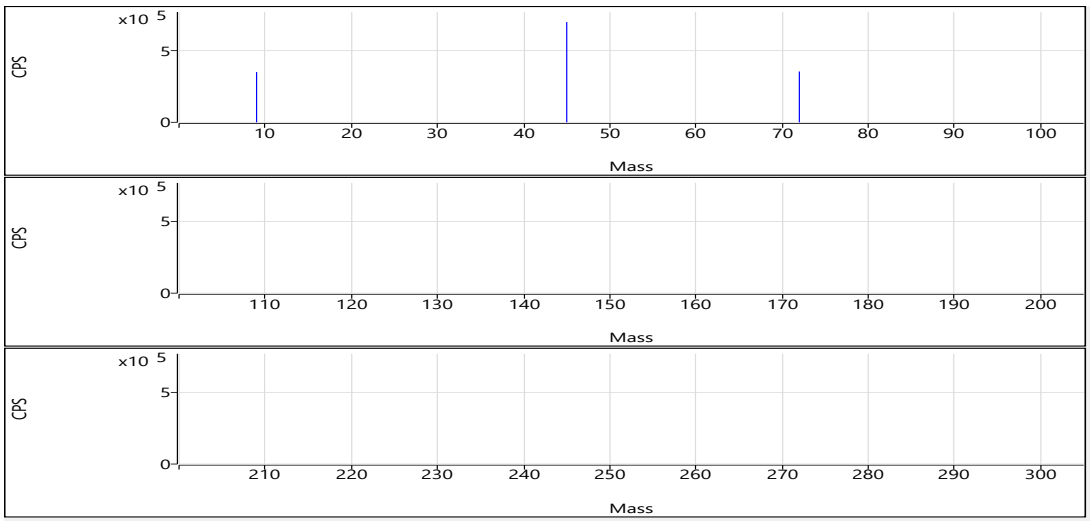
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1673.313	ppb	1.0	348691.30	0.5012	Pulse	0.5000	3
Se	78	72	H2	2046.529	ppb	0.7	423207.64	0.8108	Pulse	1.5000	3
Na	23	45	He	185901.604	ppb	1.1	43787784.35	728.3553	Analog	0.1000	3
Mg	24	45	He	187722.544	ppb	2.4	22466919.66	373.7292	Analog	0.1000	3
Al	27	45	He	190207.197	ppb	2.0	8012649.04	133.2822	Analog	0.1000	3
K	39	45	He	183990.842	ppb	0.7	20613082.61	342.8626	Analog	0.1000	3
Ca	44	45	He	185351.309	ppb	1.2	1100204.10	18.3006	Pulse	0.1000	3
Ti	47	45	He	1908.770	ppb	2.8	79027.12	1.3143	Pulse	0.1000	3
V	51	45	He	1855.201	ppb	1.1	2924793.58	48.6491	Pulse	0.5000	3
Cr	52	72	He	2019.074	ppb	1.2	3522352.97	40.3673	Pulse	0.1000	3
Mn	55	45	He	5475.993	ppb	2.0	5132681.59	85.3759	Pulse	0.1000	3
Fe	57	45	He	144412.270	ppb	1.2	5445277.00	90.5709	Pulse	0.1000	3
Co	59	72	He	2029.422	ppb	1.2	6329030.11	72.5332	Analog	0.1000	3
Ni	60	115	He	1970.247	ppb	0.5	1678874.82	22.9298	Pulse	0.1000	3
Cu	63	115	He	1962.034	ppb	0.5	4614955.97	63.0296	Pulse	0.1000	3
Zn	66	72	He	1983.258	ppb	1.2	558838.40	6.4045	Pulse	0.1000	3
As	75	72	He	2083.467	ppb	0.8	455977.69	5.2255	Pulse	0.5000	3
Sr	88	72	He	1990.179	ppb	1.8	2298872.15	26.3460	Pulse	0.1000	3
Mo	98	72	He	2059.717	ppb	1.1	3691712.76	42.3074	Pulse	0.1000	3
Ag	107	115	He	1958.852	ppb	0.6	6647742.61	90.7920	Analog	0.1000	3
Cd	111	115	He	1973.311	ppb	0.4	843929.98	11.5261	Pulse	0.5000	3
Sn	120	115	He	1987.622	ppb	0.9	2790465.07	38.1125	Pulse	0.1000	3
Sb	121	115	He	1975.113	ppb	0.7	2465170.43	33.6691	Pulse	0.1000	3
Ba	137	115	He	2013.132	ppb	0.5	918009.31	12.5379	Pulse	0.1000	3
Tl	205	209	He	2086.303	ppb	2.5	10698736.09	84.6285	Analog	0.1000	3
Pb	208	209	He	2057.870	ppb	1.6	14050410.00	111.1273	Analog	0.1000	3
U	238	209	He	0.081	ppb	14.4	640.04	0.0051	Pulse	0.1000	3

ISTD Table:

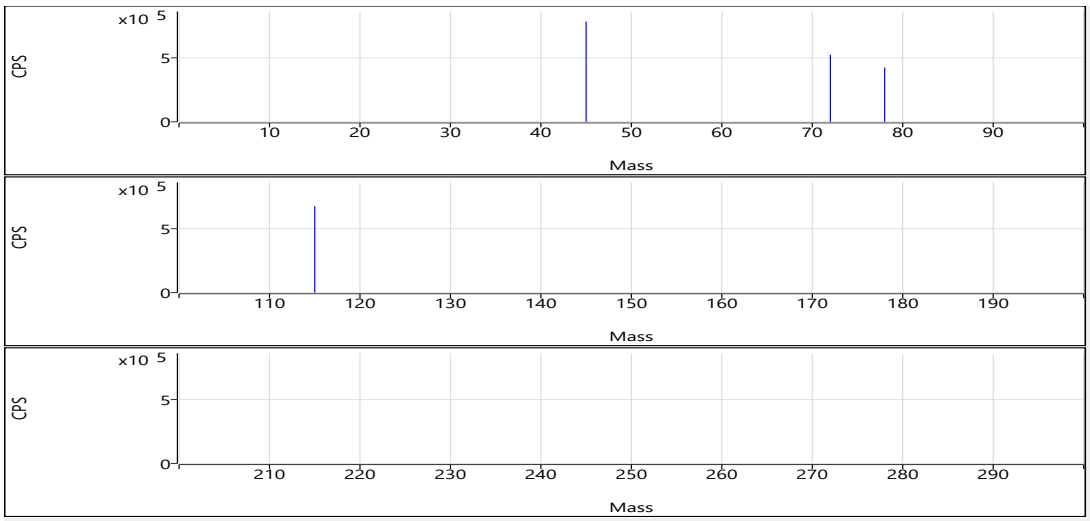
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	695689.16	0.7	101.8	Pulse	0.1000	3
No Gas	Ge	72	352595.97	0.3	97.5	Pulse	0.1000	3
H2	Sc	45	780463.95	1.0	100.9	Pulse	0.1000	3
H2	Ge	72	521989.42	1.5	96.0	Pulse	0.1000	3
H2	In	115	674026.86	0.6	122.2	Pulse	0.1000	3
He	Sc	45	60123.84	1.2	107.7	Pulse	0.1000	3
He	Ge	72	87260.95	0.6	97.7	Pulse	0.1000	3
He	In	115	73219.75	0.7	96.4	Pulse	0.1000	3
He	Tb	159	216440.34	1.0	98.5	Pulse	0.1000	3
He	Bi	209	126462.71	2.1	91.8	Pulse	0.1000	3

No Gas

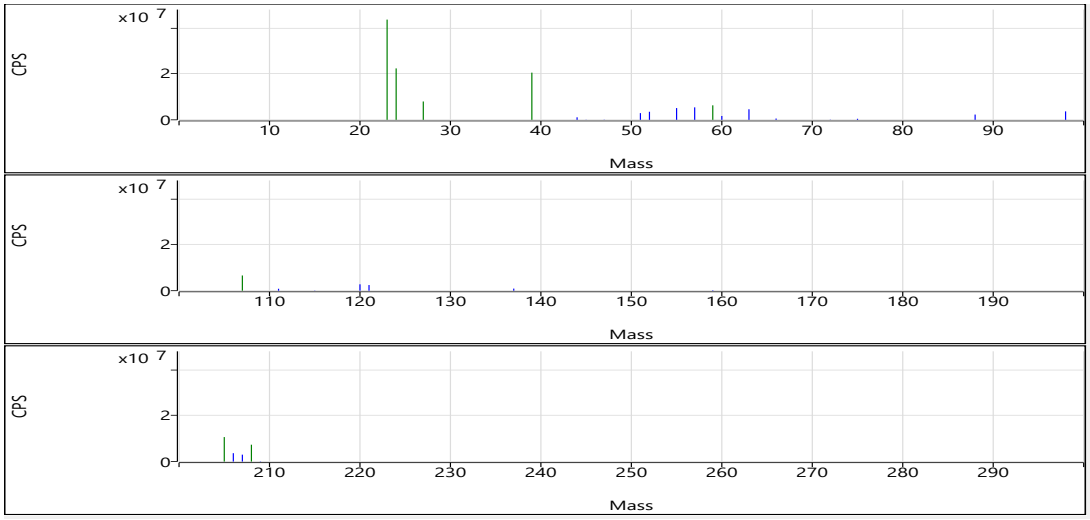


H2



Quantitation Report

He



Quantitation Report

Data File Name	067_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:00:28
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

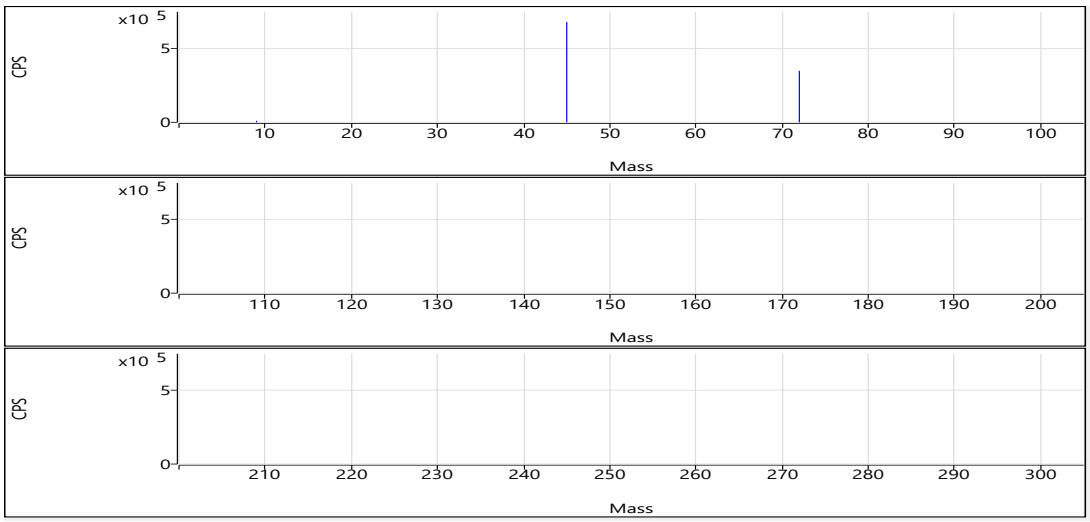
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.936	ppb	1.4	9770.56	0.0144	Pulse	0.5000	3
Se	78	72	H2	51.810	ppb	1.0	10691.96	0.0205	Pulse	1.5000	3
Na	23	45	He	5078.280	ppb	0.9	1116039.51	20.1562	Pulse	0.1000	3
Mg	24	45	He	5096.981	ppb	0.7	562431.71	10.1579	Pulse	0.1000	3
Al	27	45	He	5125.958	ppb	0.8	199039.60	3.5944	Pulse	0.1000	3
K	39	45	He	4979.009	ppb	1.4	541290.90	9.7759	Pulse	0.1000	3
Ca	44	45	He	5081.742	ppb	2.5	28027.83	0.5061	Pulse	0.1000	3
Ti	47	45	He	5033.481	ppb	1.9	191884.16	3.4658	Pulse	0.1000	3
V	51	45	He	511.554	ppb	1.1	743390.81	13.4267	Pulse	0.5000	3
Cr	52	72	He	525.316	ppb	1.4	910076.94	10.5192	Pulse	0.1000	3
Mn	55	45	He	503.171	ppb	0.2	434614.70	7.8490	Pulse	0.1000	3
Fe	57	45	He	5049.583	ppb	1.0	175574.63	3.1711	Pulse	0.1000	3
Co	59	72	He	529.469	ppb	1.6	1637260.71	18.9252	Pulse	0.1000	3
Ni	60	115	He	524.351	ppb	1.3	456851.28	6.1132	Pulse	0.1000	3
Cu	63	115	He	519.386	ppb	1.5	1247095.84	16.6875	Pulse	0.1000	3
Zn	66	72	He	522.830	ppb	0.3	146153.67	1.6891	Pulse	0.1000	3
As	75	72	He	522.207	ppb	1.0	113365.71	1.3102	Pulse	0.5000	3
Sr	88	72	He	50.433	ppb	1.0	58055.64	0.6709	Pulse	0.1000	3
Mo	98	72	He	53.233	ppb	2.3	94636.04	1.0940	Pulse	0.1000	3
Ag	107	115	He	52.405	ppb	1.5	181545.15	2.4294	Pulse	0.1000	3
Cd	111	115	He	51.147	ppb	3.4	22325.05	0.2988	Pulse	0.5000	3
Sn	120	115	He	51.473	ppb	3.1	77891.35	1.0423	Pulse	0.1000	3
Sb	121	115	He	51.336	ppb	2.5	65424.26	0.8754	Pulse	0.1000	3
Ba	137	115	He	507.863	ppb	0.9	236455.25	3.1639	Pulse	0.1000	3
Tl	205	209	He	51.037	ppb	0.9	294354.21	2.0708	Pulse	0.1000	3
Pb	208	209	He	50.632	ppb	2.4	388921.38	2.7363	Pulse	0.1000	3
U	238	209	He	50.491	ppb	1.3	376007.31	2.6452	Pulse	0.1000	3

ISTD Table:

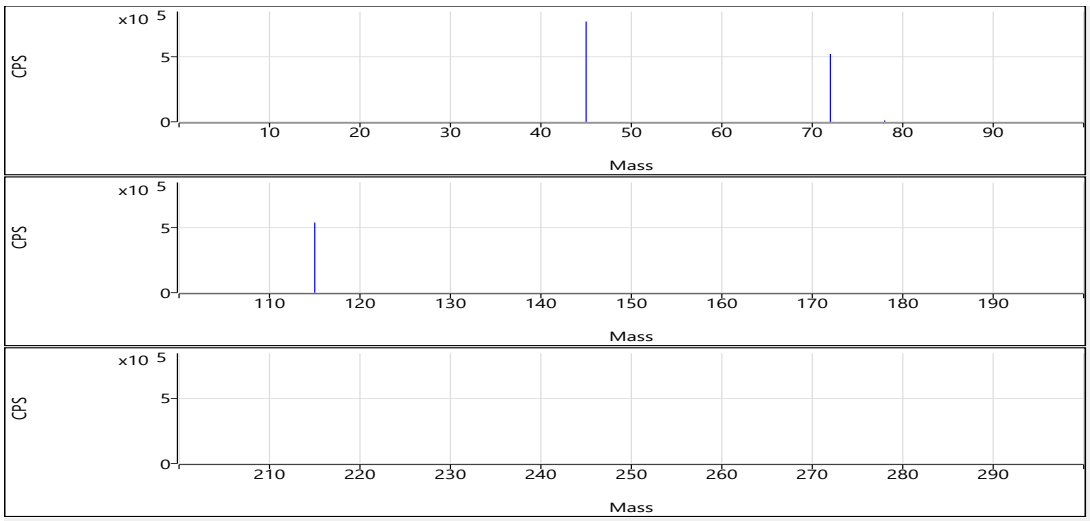
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	678868.82	0.5	99.3	Pulse	0.1000	3
No Gas	Ge	72	348254.75	0.3	96.3	Pulse	0.1000	3
H2	Sc	45	769343.14	1.1	99.5	Pulse	0.1000	3
H2	Ge	72	520548.65	0.2	95.7	Pulse	0.1000	3
H2	In	115	538421.12	0.9	97.6	Pulse	0.1000	3
He	Sc	45	55371.89	1.4	99.2	Pulse	0.1000	3
He	Ge	72	86530.16	2.0	96.9	Pulse	0.1000	3
He	In	115	74742.02	1.7	98.4	Pulse	0.1000	3
He	Tb	159	227678.13	1.3	103.6	Pulse	0.1000	3
He	Bi	209	142154.82	0.8	103.2	Pulse	0.1000	3

No Gas

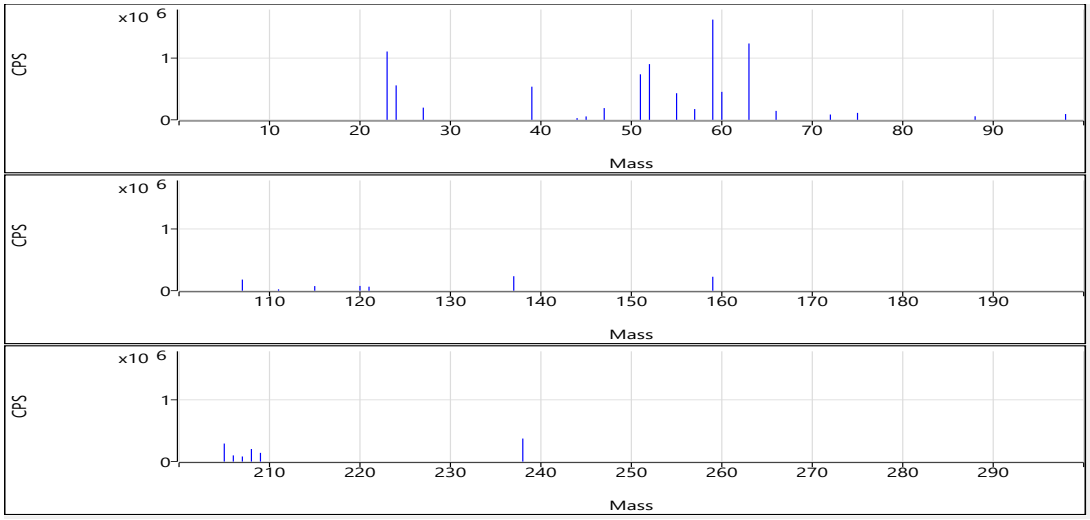


H2



Quantitation Report

He



Quantitation Report

Data File Name	069_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:04:41
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

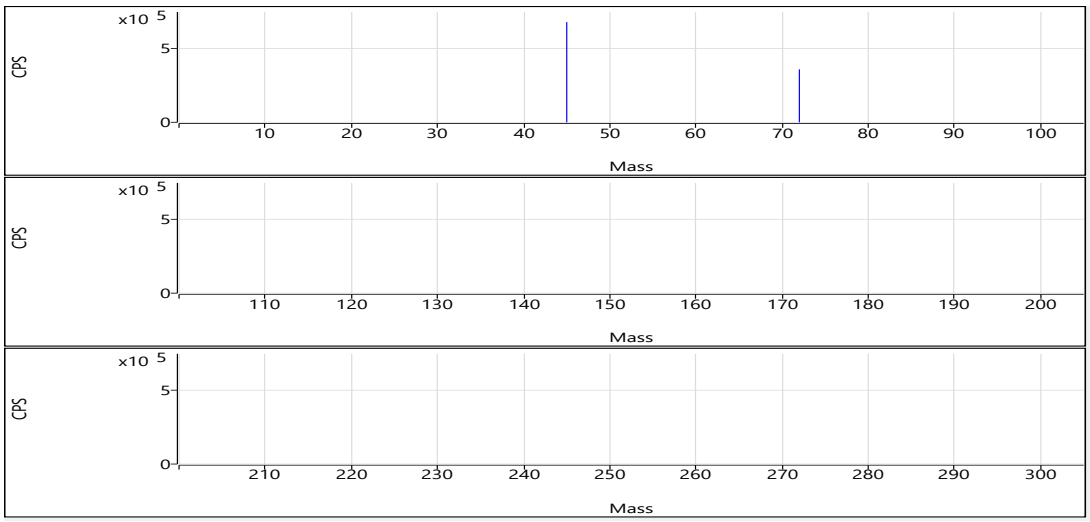
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.065	ppb	N/A	10.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.061	ppb	19.9	20.00	0.0000	Pulse	1.5000	3
Na	23	45	He	-1.718	ppb	N/A	14200.56	0.2602	Pulse	0.1000	3
Mg	24	45	He	-0.522	ppb	N/A	533.36	0.0098	Pulse	0.1000	3
Al	27	45	He	0.843	ppb	160.3	176.67	0.0032	Pulse	0.1000	3
K	39	45	He	10.694	ppb	141.8	29046.16	0.5314	Pulse	0.1000	3
Ca	44	45	He	1.737	ppb	406.2	253.34	0.0047	Pulse	0.1000	3
Ti	47	45	He	1.963	ppb	35.8	76.67	0.0014	Pulse	0.1000	3
V	51	45	He	0.136	ppb	26.7	1112.05	0.0204	Pulse	0.5000	3
Cr	52	72	He	0.191	ppb	58.0	2263.59	0.0261	Pulse	0.1000	3
Mn	55	45	He	-0.011	ppb	N/A	240.01	0.0044	Pulse	0.1000	3
Fe	57	45	He	0.130	ppb	636.5	240.01	0.0044	Pulse	0.1000	3
Co	59	72	He	0.078	ppb	8.8	420.02	0.0048	Pulse	0.1000	3
Ni	60	115	He	-0.175	ppb	N/A	933.40	0.0127	Pulse	0.1000	3
Cu	63	115	He	0.106	ppb	33.4	490.03	0.0066	Pulse	0.1000	3
Zn	66	72	He	0.259	ppb	32.2	160.01	0.0018	Pulse	0.1000	3
As	75	72	He	0.226	ppb	23.9	106.00	0.0012	Pulse	0.5000	3
Sr	88	72	He	-0.072	ppb	N/A	203.34	0.0024	Pulse	0.1000	3
Mo	98	72	He	0.070	ppb	45.2	176.67	0.0020	Pulse	0.1000	3
Ag	107	115	He	0.006	ppb	165.7	53.34	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	69.9	8.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.181	ppb	58.2	4437.53	0.0602	Pulse	0.1000	3
Sb	121	115	He	0.032	ppb	58.1	63.33	0.0009	Pulse	0.1000	3
Ba	137	115	He	0.092	ppb	70.5	133.34	0.0018	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	5.3	373.35	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.006	ppb	225.5	340.01	0.0024	Pulse	0.1000	3
U	238	209	He	0.015	ppb	54.7	230.01	0.0016	Pulse	0.1000	3

ISTD Table:

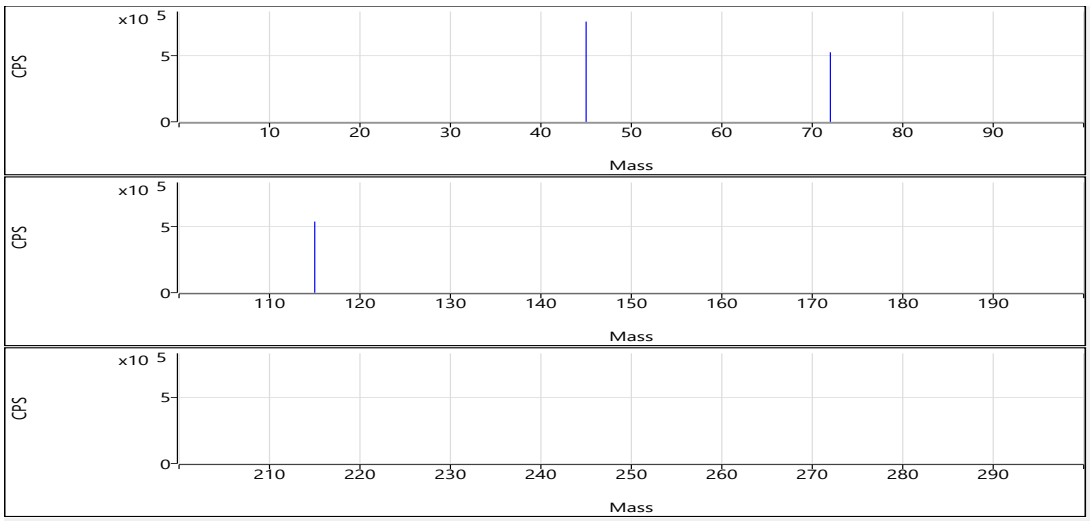
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	682424.00	0.6	99.8	Pulse	0.1000	3
No Gas	Ge	72	360457.07	1.3	99.7	Pulse	0.1000	3
H2	Sc	45	759597.52	1.4	98.2	Pulse	0.1000	3
H2	Ge	72	526816.28	0.9	96.8	Pulse	0.1000	3
H2	In	115	538935.25	1.1	97.7	Pulse	0.1000	3
He	Sc	45	54622.26	3.1	97.9	Pulse	0.1000	3
He	Ge	72	86671.04	2.1	97.0	Pulse	0.1000	3
He	In	115	73650.04	1.5	97.0	Pulse	0.1000	3
He	Tb	159	221518.43	0.5	100.8	Pulse	0.1000	3
He	Bi	209	139827.11	0.6	101.5	Pulse	0.1000	3

No Gas

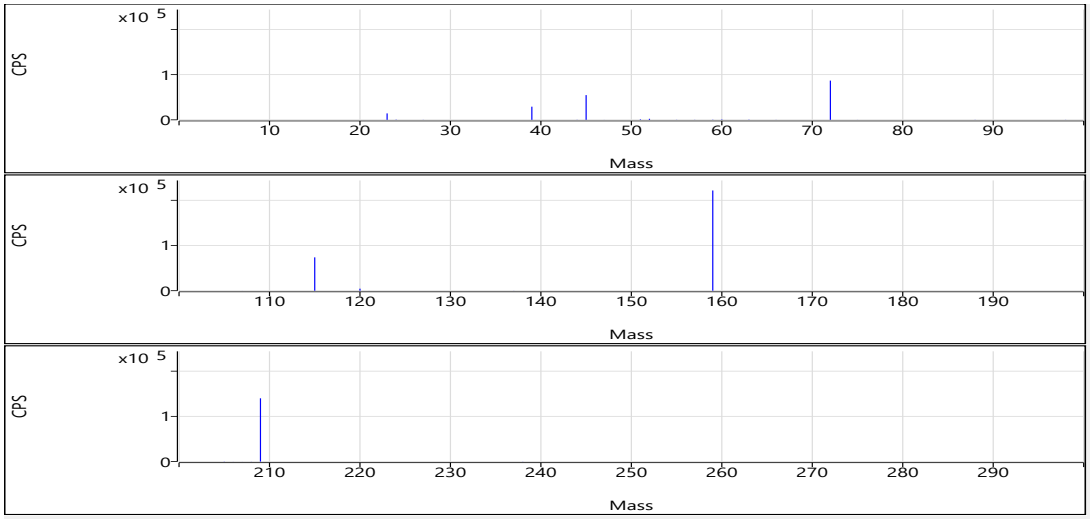


H2



Quantitation Report

He



Quantitation Report

Data File Name	070SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:07:13
Sample Name	MB 410-682812/1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

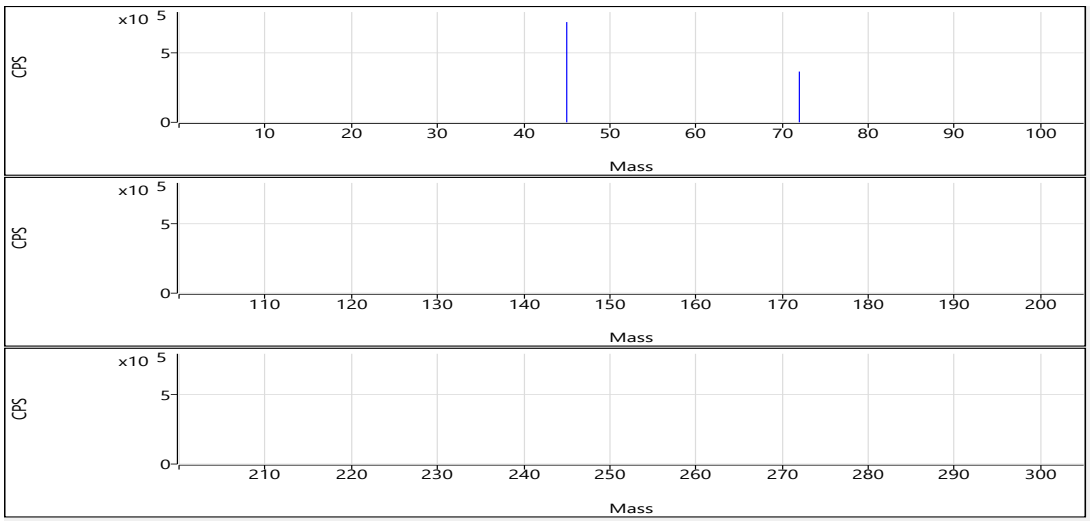
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.030	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.031	ppb	31.7	13.56	0.0000	Pulse	1.5000	3
Na	23	45	He	-5.525	ppb	N/A	13553.30	0.2453	Pulse	0.1000	3
Mg	24	45	He	0.059	ppb	2287.1	603.37	0.0109	Pulse	0.1000	3
Al	27	45	He	0.213	ppb	784.8	153.34	0.0028	Pulse	0.1000	3
K	39	45	He	2.375	ppb	528.5	28501.68	0.5159	Pulse	0.1000	3
Ca	44	45	He	13.908	ppb	43.3	323.35	0.0059	Pulse	0.1000	3
Ti	47	45	He	0.966	ppb	81.9	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	-0.070	ppb	N/A	826.70	0.0150	Pulse	0.5000	3
Cr	52	72	He	0.030	ppb	270.5	1900.20	0.0229	Pulse	0.1000	3
Mn	55	45	He	0.038	ppb	96.2	283.35	0.0051	Pulse	0.1000	3
Fe	57	45	He	1.704	ppb	11.2	296.68	0.0054	Pulse	0.1000	3
Co	59	72	He	0.074	ppb	40.3	390.02	0.0047	Pulse	0.1000	3
Ni	60	115	He	-0.427	ppb	N/A	723.38	0.0097	Pulse	0.1000	3
Cu	63	115	He	0.154	ppb	23.7	610.04	0.0082	Pulse	0.1000	3
Zn	66	72	He	1.522	ppb	16.1	490.02	0.0059	Pulse	0.1000	3
As	75	72	He	0.156	ppb	28.3	86.67	0.0010	Pulse	0.5000	3
Sr	88	72	He	-0.120	ppb	N/A	143.34	0.0017	Pulse	0.1000	3
Mo	98	72	He	0.051	ppb	32.6	136.67	0.0016	Pulse	0.1000	3
Ag	107	115	He	0.004	ppb	288.6	46.67	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.002	ppb	169.3	2.67	0.0000	Pulse	0.5000	3
Sn	120	115	He	-0.161	ppb	N/A	3990.72	0.0537	Pulse	0.1000	3
Sb	121	115	He	0.024	ppb	124.3	53.33	0.0007	Pulse	0.1000	3
Ba	137	115	He	0.026	ppb	46.0	103.33	0.0014	Pulse	0.1000	3
Tl	205	209	He	0.020	ppb	14.9	186.68	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	765.0	300.01	0.0021	Pulse	0.1000	3
U	238	209	He	0.006	ppb	209.4	160.01	0.0011	Pulse	0.1000	3

ISTD Table:

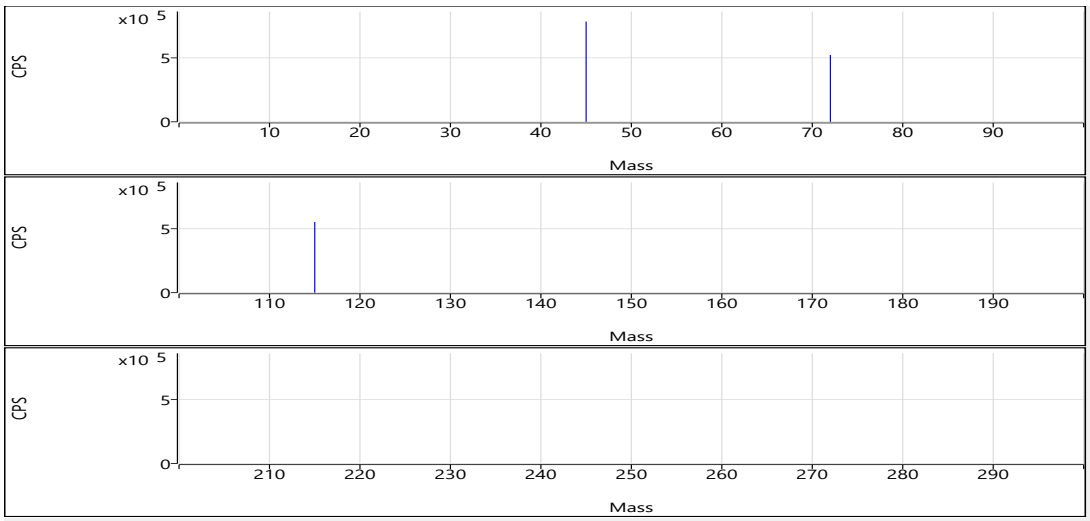
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	716158.58	0.4	104.8	Pulse	0.1000	3
No Gas	Ge	72	362505.28	1.1	100.2	Pulse	0.1000	3
H2	Sc	45	782615.72	1.3	101.2	Pulse	0.1000	3
H2	Ge	72	521955.93	1.3	96.0	Pulse	0.1000	3
H2	In	115	551980.90	1.7	100.1	Pulse	0.1000	3
He	Sc	45	55244.69	0.3	99.0	Pulse	0.1000	3
He	Ge	72	82848.26	1.3	92.8	Pulse	0.1000	3
He	In	115	74323.06	0.4	97.9	Pulse	0.1000	3
He	Tb	159	221251.23	1.0	100.7	Pulse	0.1000	3
He	Bi	209	139943.05	1.5	101.6	Pulse	0.1000	3

No Gas

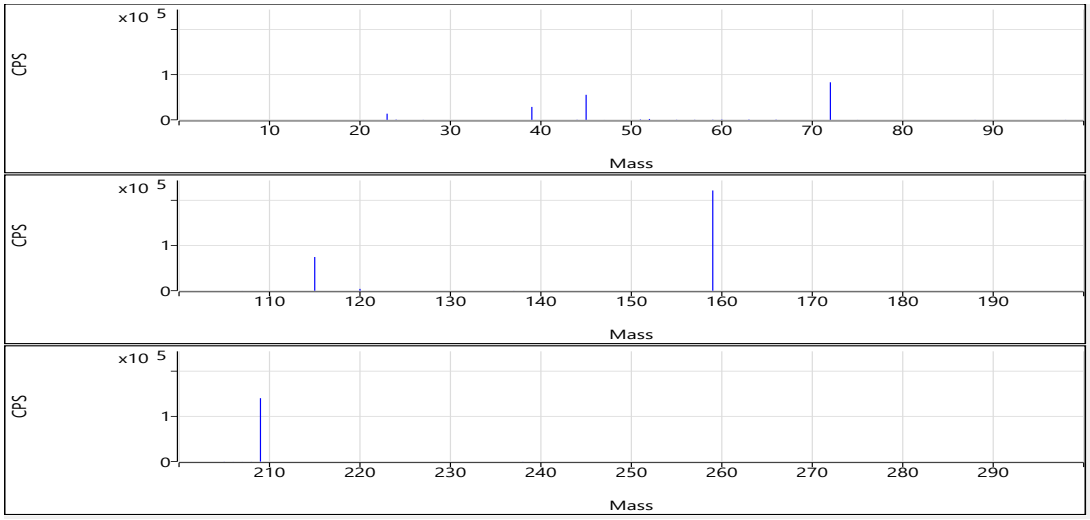


H2



Quantitation Report

He



Quantitation Report

Data File Name	071SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:09:19
Sample Name	MB 410-681233/1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

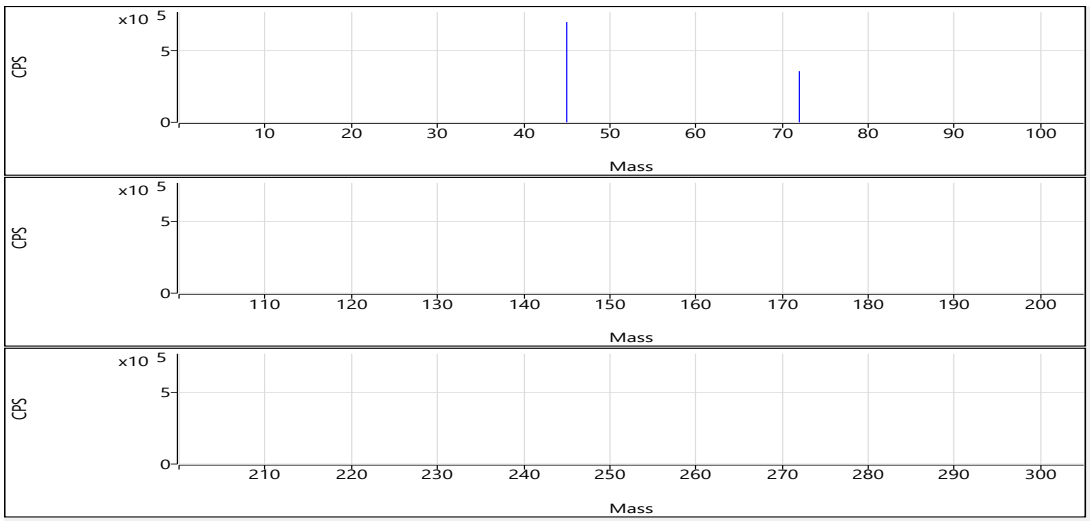
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.037	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.010	ppb	85.1	9.33	0.0000	Pulse	1.5000	3
Na	23	45	He	-6.506	ppb	N/A	13730.04	0.2415	Pulse	0.1000	3
Mg	24	45	He	-0.029	ppb	N/A	610.04	0.0108	Pulse	0.1000	3
Al	27	45	He	1.368	ppb	107.4	203.34	0.0036	Pulse	0.1000	3
K	39	45	He	3.084	ppb	470.6	29406.95	0.5172	Pulse	0.1000	3
Ca	44	45	He	0.391	ppb	1284.5	256.68	0.0045	Pulse	0.1000	3
Ti	47	45	He	1.523	ppb	39.9	63.33	0.0011	Pulse	0.1000	3
V	51	45	He	0.084	ppb	57.5	1080.05	0.0190	Pulse	0.5000	3
Cr	52	72	He	0.400	ppb	45.1	2627.01	0.0303	Pulse	0.1000	3
Mn	55	45	He	-0.039	ppb	N/A	223.34	0.0039	Pulse	0.1000	3
Fe	57	45	He	6.952	ppb	27.7	493.36	0.0087	Pulse	0.1000	3
Co	59	72	He	0.068	ppb	29.8	386.69	0.0045	Pulse	0.1000	3
Ni	60	115	He	-0.085	ppb	N/A	1063.41	0.0137	Pulse	0.1000	3
Cu	63	115	He	0.120	ppb	2.7	550.03	0.0071	Pulse	0.1000	3
Zn	66	72	He	0.428	ppb	17.7	206.68	0.0024	Pulse	0.1000	3
As	75	72	He	0.196	ppb	32.7	99.33	0.0011	Pulse	0.5000	3
Sr	88	72	He	-0.081	ppb	N/A	193.34	0.0022	Pulse	0.1000	3
Mo	98	72	He	0.096	ppb	52.2	223.35	0.0026	Pulse	0.1000	3
Ag	107	115	He	-0.004	ppb	N/A	20.00	0.0003	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	114.2	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.333	ppb	N/A	3907.35	0.0504	Pulse	0.1000	3
Sb	121	115	He	0.022	ppb	118.1	53.33	0.0007	Pulse	0.1000	3
Ba	137	115	He	0.107	ppb	147.0	146.67	0.0019	Pulse	0.1000	3
Tl	205	209	He	0.016	ppb	63.6	170.01	0.0012	Pulse	0.1000	3
Pb	208	209	He	-0.012	ppb	N/A	216.67	0.0015	Pulse	0.1000	3
U	238	209	He	0.010	ppb	100.4	196.68	0.0014	Pulse	0.1000	3

ISTD Table:

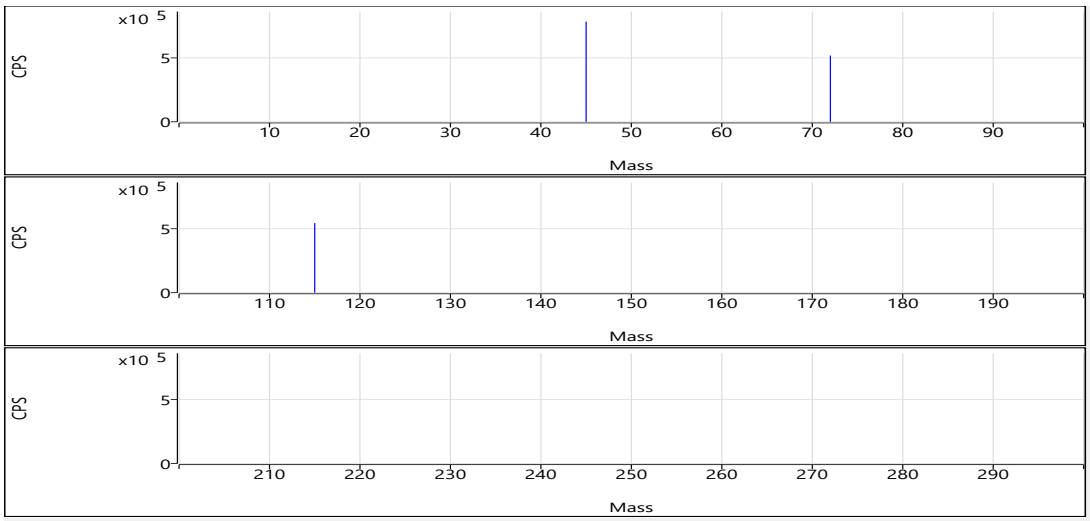
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	697155.43	0.5	102.0	Pulse	0.1000	3
No Gas	Ge	72	355932.61	0.6	98.4	Pulse	0.1000	3
H2	Sc	45	789427.65	0.8	102.1	Pulse	0.1000	3
H2	Ge	72	521720.53	0.4	95.9	Pulse	0.1000	3
H2	In	115	547821.35	1.0	99.3	Pulse	0.1000	3
He	Sc	45	56881.19	2.1	101.9	Pulse	0.1000	3
He	Ge	72	86559.67	1.7	96.9	Pulse	0.1000	3
He	In	115	77554.83	2.1	102.1	Pulse	0.1000	3
He	Tb	159	230684.37	1.5	105.0	Pulse	0.1000	3
He	Bi	209	145545.60	0.9	105.6	Pulse	0.1000	3

No Gas

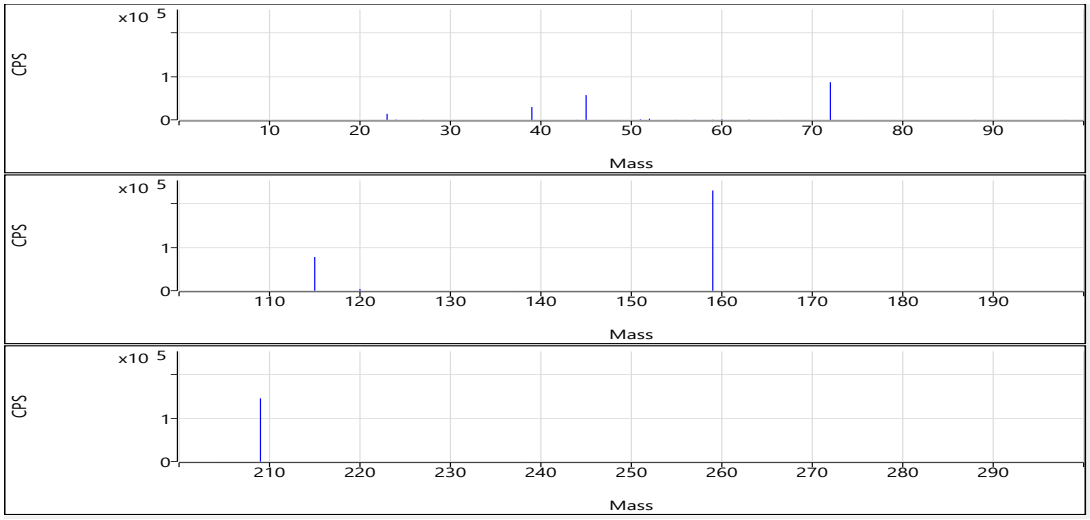


H2



Quantitation Report

He



Quantitation Report

Data File Name	072SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:11:25
Sample Name	MB 410-681311/1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

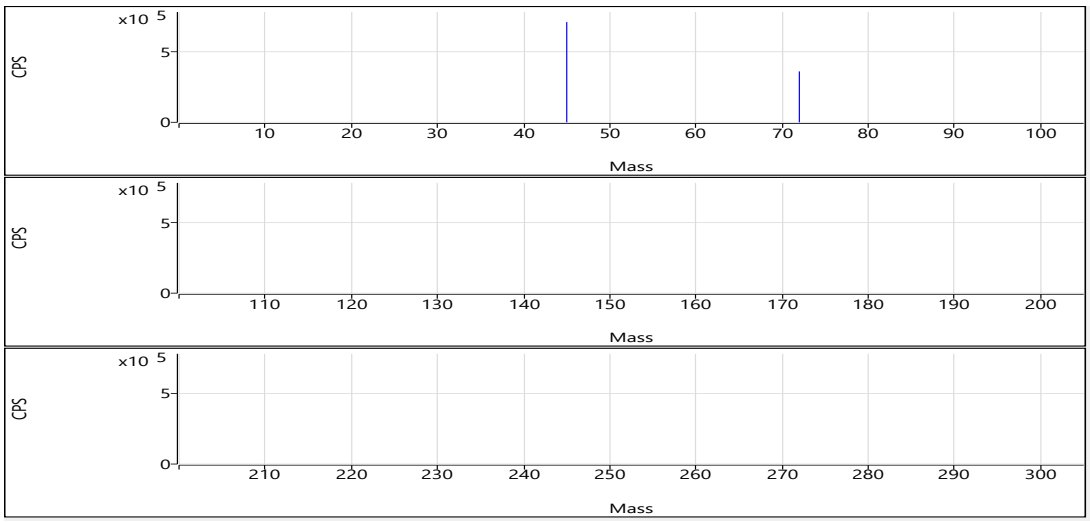
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.058	ppb	N/A	12.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.006	ppb	23.7	8.89	0.0000	Pulse	1.5000	3
Na	23	45	He	-12.879	ppb	N/A	12819.20	0.2165	Pulse	0.1000	3
Mg	24	45	He	-0.933	ppb	N/A	530.04	0.0090	Pulse	0.1000	3
Al	27	45	He	0.027	ppb	1459.7	156.67	0.0026	Pulse	0.1000	3
K	39	45	He	-5.917	ppb	N/A	29617.14	0.5005	Pulse	0.1000	3
Ca	44	45	He	-4.831	ppb	N/A	236.68	0.0040	Pulse	0.1000	3
Ti	47	45	He	0.810	ppb	139.1	36.67	0.0006	Pulse	0.1000	3
V	51	45	He	-0.070	ppb	N/A	886.03	0.0150	Pulse	0.5000	3
Cr	52	72	He	0.090	ppb	32.0	2136.91	0.0241	Pulse	0.1000	3
Mn	55	45	He	-0.035	ppb	N/A	236.68	0.0040	Pulse	0.1000	3
Fe	57	45	He	1.043	ppb	122.6	293.35	0.0050	Pulse	0.1000	3
Co	59	72	He	0.064	ppb	0.9	383.35	0.0043	Pulse	0.1000	3
Ni	60	115	He	-0.359	ppb	N/A	836.72	0.0105	Pulse	0.1000	3
Cu	63	115	He	0.083	ppb	36.7	470.02	0.0059	Pulse	0.1000	3
Zn	66	72	He	0.131	ppb	77.2	126.67	0.0014	Pulse	0.1000	3
As	75	72	He	0.122	ppb	17.8	85.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	-0.108	ppb	N/A	166.68	0.0019	Pulse	0.1000	3
Mo	98	72	He	0.035	ppb	92.2	116.67	0.0013	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	116.7	60.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.004	ppb	4.5	4.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.467	ppb	N/A	3803.99	0.0478	Pulse	0.1000	3
Sb	121	115	He	0.006	ppb	284.9	33.33	0.0004	Pulse	0.1000	3
Ba	137	115	He	-0.010	ppb	N/A	93.34	0.0012	Pulse	0.1000	3
Tl	205	209	He	0.006	ppb	54.8	113.34	0.0008	Pulse	0.1000	3
Pb	208	209	He	-0.012	ppb	N/A	216.67	0.0015	Pulse	0.1000	3
U	238	209	He	0.002	ppb	72.2	140.01	0.0009	Pulse	0.1000	3

ISTD Table:

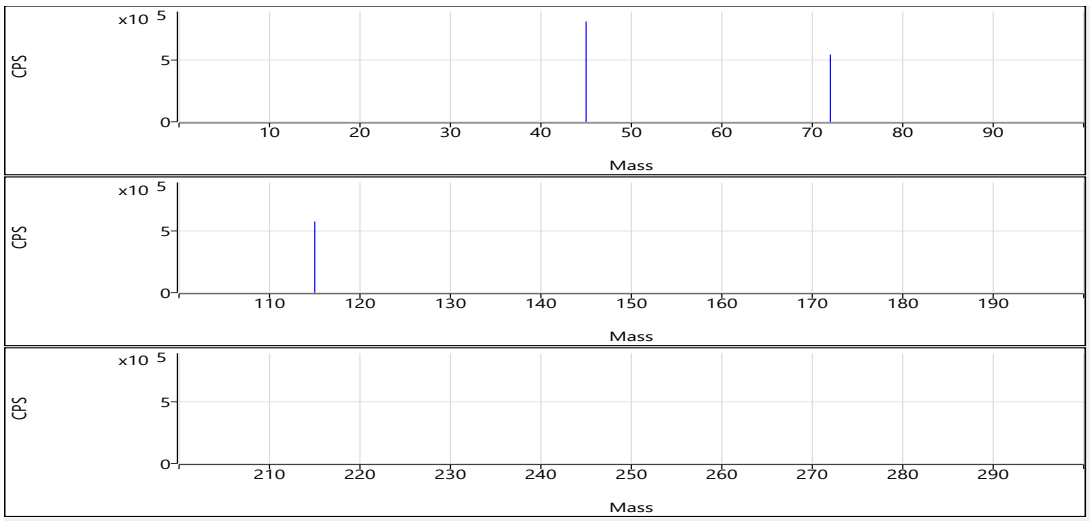
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711249.47	0.3	104.0	Pulse	0.1000	3
No Gas	Ge	72	361224.07	0.4	99.9	Pulse	0.1000	3
H2	Sc	45	808728.74	0.7	104.6	Pulse	0.1000	3
H2	Ge	72	542217.77	0.6	99.7	Pulse	0.1000	3
H2	In	115	574447.54	0.9	104.2	Pulse	0.1000	3
He	Sc	45	59207.16	1.4	106.1	Pulse	0.1000	3
He	Ge	72	88565.32	1.5	99.2	Pulse	0.1000	3
He	In	115	79593.86	2.1	104.8	Pulse	0.1000	3
He	Tb	159	234038.49	0.7	106.5	Pulse	0.1000	3
He	Bi	209	148800.45	0.2	108.0	Pulse	0.1000	3

No Gas

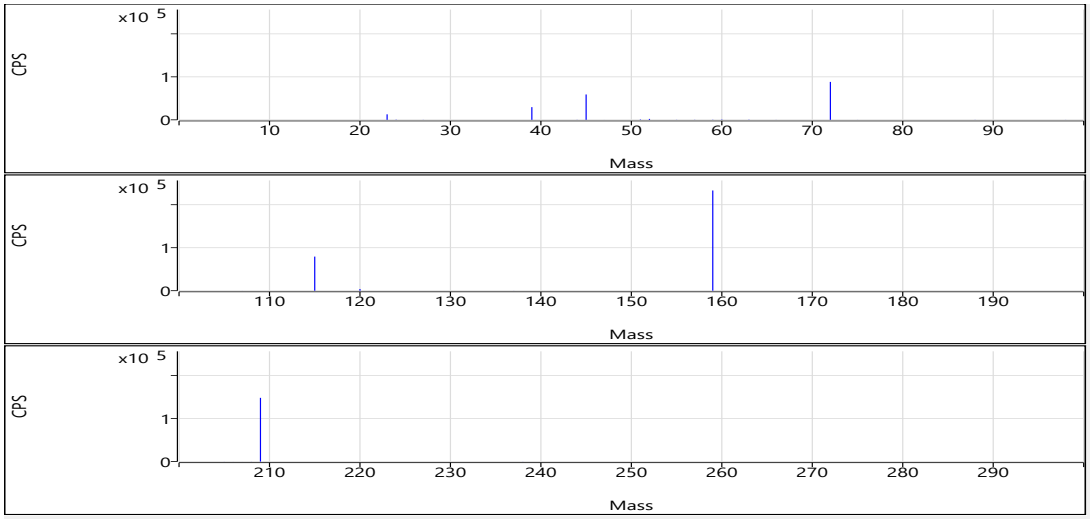


H2



Quantitation Report

He



Quantitation Report

Data File Name	073SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:13:31
Sample Name	MB 410-685070/1-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

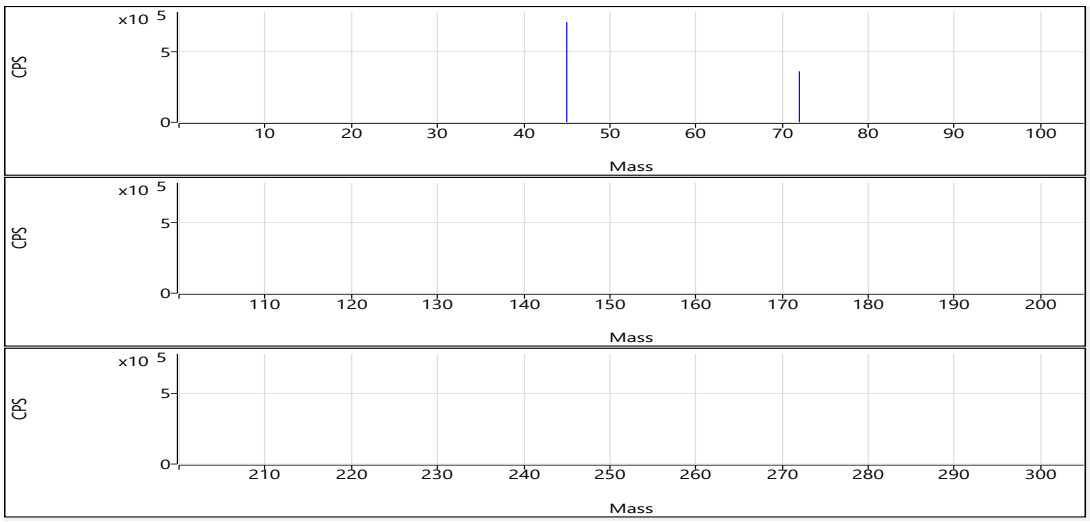
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.073	ppb	N/A	8.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.001	ppb	N/A	7.33	0.0000	Pulse	1.5000	3
Na	23	45	He	-13.708	ppb	N/A	12508.96	0.2133	Pulse	0.1000	3
Mg	24	45	He	-1.226	ppb	N/A	490.03	0.0084	Pulse	0.1000	3
Al	27	45	He	-0.335	ppb	N/A	140.01	0.0024	Pulse	0.1000	3
K	39	45	He	-6.961	ppb	N/A	29209.80	0.4986	Pulse	0.1000	3
Ca	44	45	He	-8.563	ppb	N/A	213.34	0.0036	Pulse	0.1000	3
Ti	47	45	He	0.242	ppb	56.2	13.33	0.0002	Pulse	0.1000	3
V	51	45	He	-0.101	ppb	N/A	830.03	0.0142	Pulse	0.5000	3
Cr	52	72	He	-0.035	ppb	N/A	1953.54	0.0216	Pulse	0.1000	3
Mn	55	45	He	0.096	ppb	69.7	353.35	0.0060	Pulse	0.1000	3
Fe	57	45	He	-0.973	ppb	N/A	216.68	0.0037	Pulse	0.1000	3
Co	59	72	He	0.032	ppb	38.8	286.68	0.0032	Pulse	0.1000	3
Ni	60	115	He	-0.409	ppb	N/A	793.39	0.0099	Pulse	0.1000	3
Cu	63	115	He	0.040	ppb	73.1	360.02	0.0045	Pulse	0.1000	3
Zn	66	72	He	0.260	ppb	45.3	166.68	0.0018	Pulse	0.1000	3
As	75	72	He	0.103	ppb	48.3	82.67	0.0009	Pulse	0.5000	3
Sr	88	72	He	-0.142	ppb	N/A	130.01	0.0014	Pulse	0.1000	3
Mo	98	72	He	0.025	ppb	120.2	100.00	0.0011	Pulse	0.1000	3
Ag	107	115	He	0.001	ppb	194.7	40.00	0.0005	Pulse	0.1000	3
Cd	111	115	He	-0.002	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	115	He	-0.708	ppb	N/A	3447.22	0.0432	Pulse	0.1000	3
Sb	121	115	He	0.004	ppb	186.8	30.00	0.0004	Pulse	0.1000	3
Ba	137	115	He	-0.023	ppb	N/A	86.67	0.0011	Pulse	0.1000	3
Tl	205	209	He	0.015	ppb	73.8	163.34	0.0011	Pulse	0.1000	3
Pb	208	209	He	-0.016	ppb	N/A	180.00	0.0012	Pulse	0.1000	3
U	238	209	He	0.006	ppb	75.9	170.01	0.0012	Pulse	0.1000	3

ISTD Table:

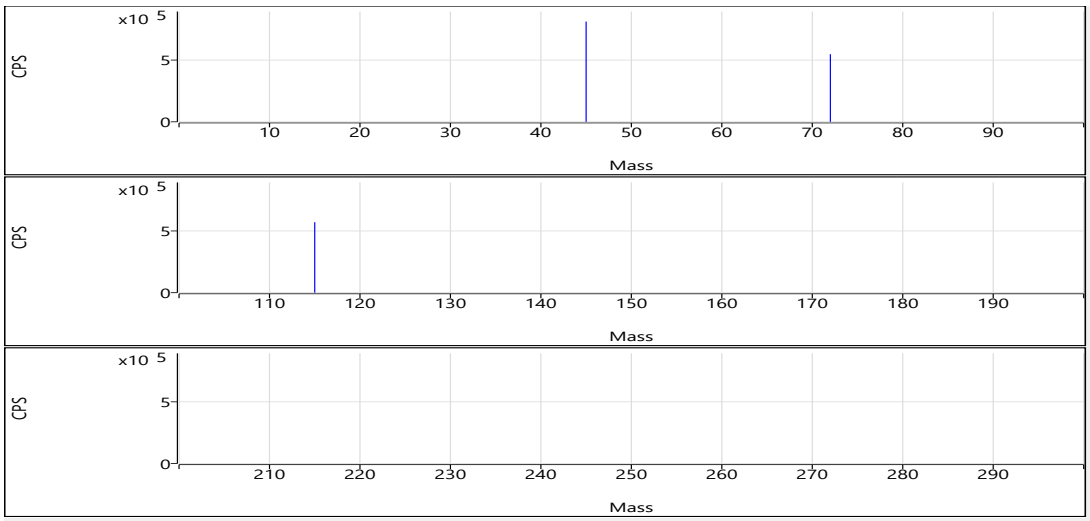
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711415.80	0.3	104.1	Pulse	0.1000	3
No Gas	Ge	72	361807.27	0.8	100.0	Pulse	0.1000	3
H2	Sc	45	807531.97	0.8	104.4	Pulse	0.1000	3
H2	Ge	72	544886.45	0.9	100.2	Pulse	0.1000	3
H2	In	115	567836.01	0.5	103.0	Pulse	0.1000	3
He	Sc	45	58648.36	2.0	105.1	Pulse	0.1000	3
He	Ge	72	90289.42	0.6	101.1	Pulse	0.1000	3
He	In	115	79771.15	1.4	105.1	Pulse	0.1000	3
He	Tb	159	233705.69	0.7	106.3	Pulse	0.1000	3
He	Bi	209	144917.91	1.2	105.2	Pulse	0.1000	3

No Gas

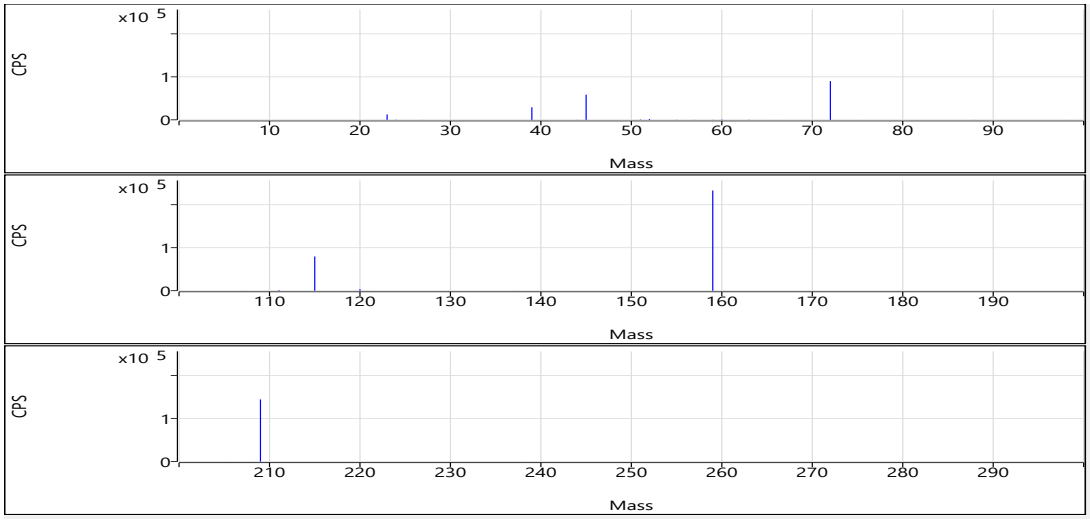


H2



Quantitation Report

He



Quantitation Report

Data File Name	075SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:17:43
Sample Name	LCS 410-681311/2-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

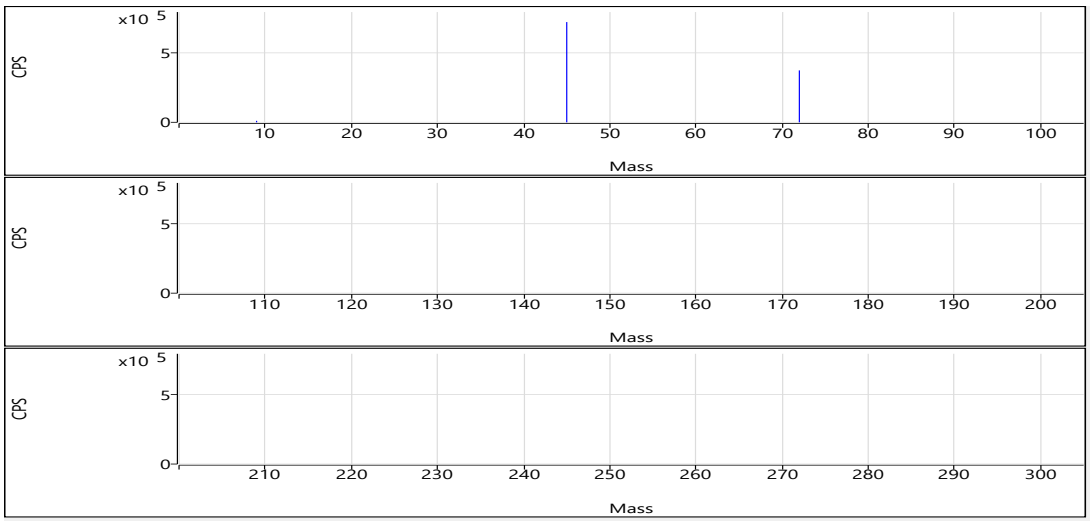
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.672	ppb	0.9	10572.44	0.0146	Pulse	0.5000	3
Se	78	72	H2	97.030	ppb	0.7	21987.36	0.0385	Pulse	1.5000	3
Na	23	45	He	4690.147	ppb	1.1	1151897.51	18.6360	Pulse	0.1000	3
Mg	24	45	He	4666.003	ppb	1.4	574814.77	9.2999	Pulse	0.1000	3
Al	27	45	He	4697.956	ppb	2.2	203618.12	3.2945	Pulse	0.1000	3
K	39	45	He	4715.337	ppb	2.2	573890.23	9.2853	Pulse	0.1000	3
Ca	44	45	He	4614.903	ppb	3.1	28431.57	0.4600	Pulse	0.1000	3
Ti	47	45	He	472.798	ppb	3.6	20131.16	0.3256	Pulse	0.1000	3
V	51	45	He	457.311	ppb	1.4	742010.44	12.0048	Pulse	0.5000	3
Cr	52	72	He	482.078	ppb	1.4	916661.42	9.6552	Pulse	0.1000	3
Mn	55	45	He	458.635	ppb	1.5	442230.49	7.1547	Pulse	0.1000	3
Fe	57	45	He	4596.329	ppb	1.3	178432.71	2.8868	Pulse	0.1000	3
Co	59	72	He	484.760	ppb	1.6	1645015.91	17.3273	Pulse	0.1000	3
Ni	60	115	He	474.032	ppb	1.6	454106.32	5.5280	Pulse	0.1000	3
Cu	63	115	He	474.528	ppb	1.2	1252494.05	15.2465	Pulse	0.1000	3
Zn	66	72	He	495.335	ppb	0.2	151959.25	1.6003	Pulse	0.1000	3
As	75	72	He	488.011	ppb	1.5	116252.63	1.2245	Pulse	0.5000	3
Sr	88	72	He	46.013	ppb	3.0	58125.81	0.6124	Pulse	0.1000	3
Mo	98	72	He	46.638	ppb	2.3	90995.16	0.9586	Pulse	0.1000	3
Ag	107	115	He	48.474	ppb	1.0	184614.24	2.2472	Pulse	0.1000	3
Cd	111	115	He	48.019	ppb	1.1	23044.89	0.2805	Pulse	0.5000	3
Sn	120	115	He	91.226	ppb	0.5	148152.00	1.8034	Pulse	0.1000	3
Sb	121	115	He	92.079	ppb	2.1	128959.74	1.5699	Pulse	0.1000	3
Ba	137	115	He	472.879	ppb	1.4	242009.22	2.9461	Pulse	0.1000	3
Tl	205	209	He	97.663	ppb	1.1	592609.50	3.9621	Pulse	0.1000	3
Pb	208	209	He	47.961	ppb	0.7	387701.73	2.5920	Pulse	0.1000	3
U	238	209	He	47.625	ppb	1.5	373192.75	2.4951	Pulse	0.1000	3

ISTD Table:

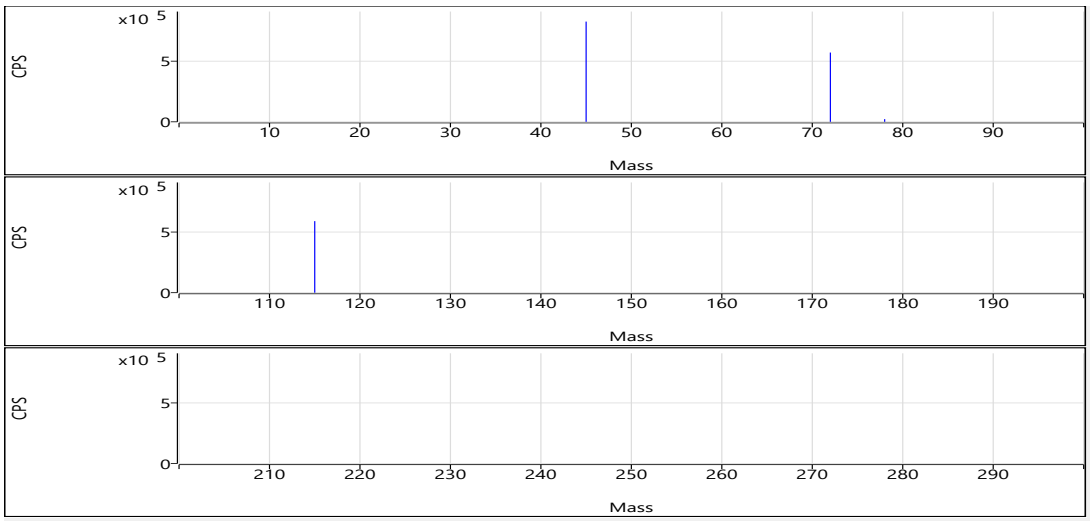
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	723498.40	0.4	105.8	Pulse	0.1000	3
No Gas	Ge	72	374608.00	0.8	103.6	Pulse	0.1000	3
H2	Sc	45	827361.84	0.9	107.0	Pulse	0.1000	3
H2	Ge	72	571761.50	0.0	105.1	Pulse	0.1000	3
H2	In	115	590663.26	0.4	107.1	Pulse	0.1000	3
He	Sc	45	61814.61	1.0	110.7	Pulse	0.1000	3
He	Ge	72	94955.75	1.8	106.3	Pulse	0.1000	3
He	In	115	82153.19	0.8	108.2	Pulse	0.1000	3
He	Tb	159	243104.98	0.3	110.6	Pulse	0.1000	3
He	Bi	209	149581.32	1.0	108.6	Pulse	0.1000	3

No Gas

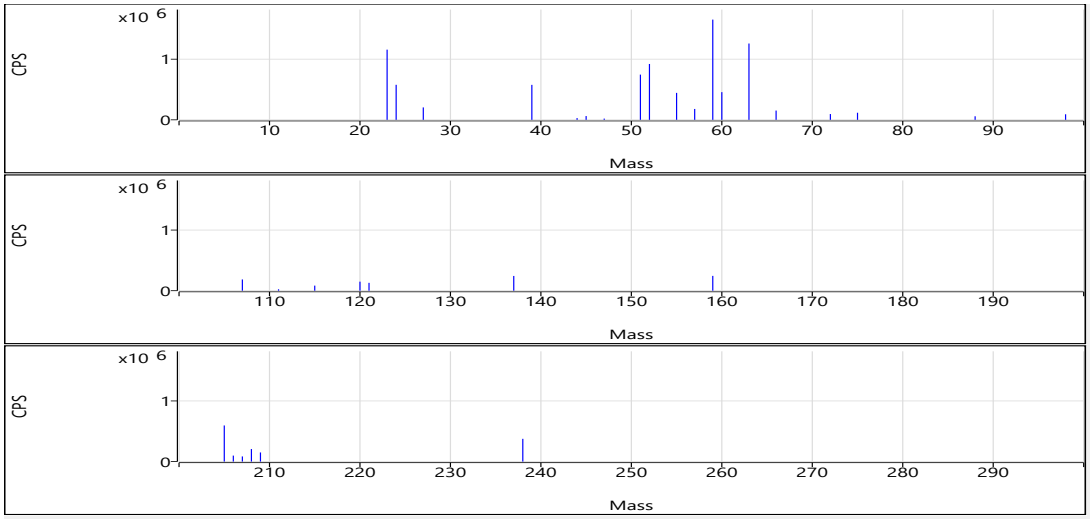


H2



Quantitation Report

He



Quantitation Report

Data File Name	076SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:19:49
Sample Name	LCS 410-681233/2-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

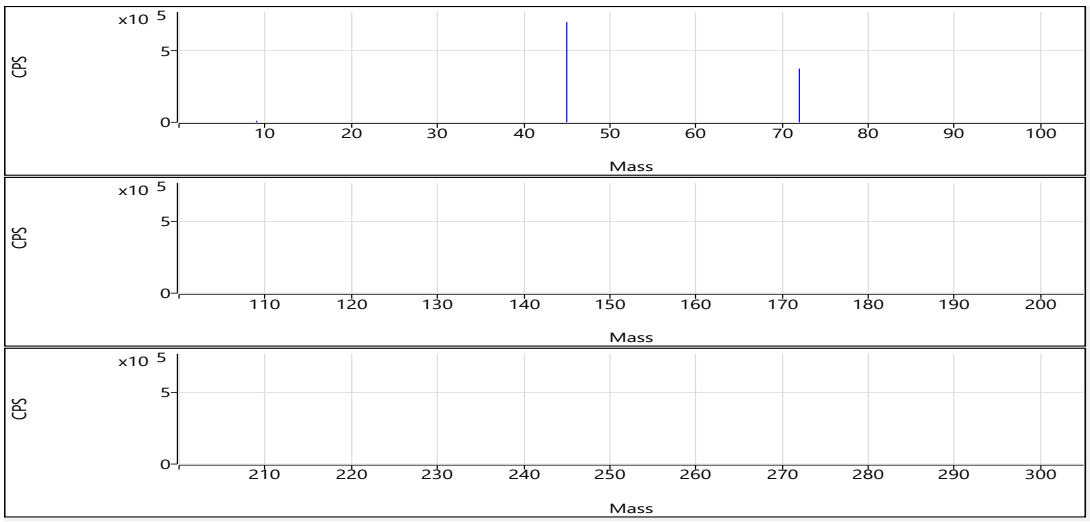
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.574	ppb	0.8	10027.38	0.0143	Pulse	0.5000	3
Se	78	72	H2	98.767	ppb	0.6	22411.13	0.0391	Pulse	1.5000	3
Na	23	45	He	4821.425	ppb	0.9	1145122.54	19.1502	Pulse	0.1000	3
Mg	24	45	He	4755.160	ppb	0.8	566723.38	9.4774	Pulse	0.1000	3
Al	27	45	He	4737.051	ppb	1.3	198628.32	3.3219	Pulse	0.1000	3
K	39	45	He	4811.944	ppb	0.7	565949.65	9.4651	Pulse	0.1000	3
Ca	44	45	He	4707.263	ppb	3.0	28047.58	0.4691	Pulse	0.1000	3
Ti	47	45	He	480.978	ppb	2.1	19807.25	0.3312	Pulse	0.1000	3
V	51	45	He	473.375	ppb	0.4	742994.94	12.4259	Pulse	0.5000	3
Cr	52	72	He	485.091	ppb	0.9	916018.16	9.7154	Pulse	0.1000	3
Mn	55	45	He	477.448	ppb	0.6	445379.80	7.4480	Pulse	0.1000	3
Fe	57	45	He	4760.973	ppb	1.2	178810.25	2.9901	Pulse	0.1000	3
Co	59	72	He	492.021	ppb	0.9	1658177.01	17.5868	Pulse	0.1000	3
Ni	60	115	He	492.499	ppb	0.4	456871.22	5.7427	Pulse	0.1000	3
Cu	63	115	He	497.018	ppb	0.5	1270475.14	15.9689	Pulse	0.1000	3
Zn	66	72	He	551.485	ppb	0.5	167977.18	1.7816	Pulse	0.1000	3
As	75	72	He	493.703	ppb	1.0	116797.01	1.2388	Pulse	0.5000	3
Sr	88	72	He	46.630	ppb	1.4	58500.66	0.6205	Pulse	0.1000	3
Mo	98	72	He	49.452	ppb	0.8	95823.95	1.0163	Pulse	0.1000	3
Ag	107	115	He	50.460	ppb	0.4	186105.41	2.3392	Pulse	0.1000	3
Cd	111	115	He	49.212	ppb	0.6	22871.27	0.2875	Pulse	0.5000	3
Sn	120	115	He	96.542	ppb	0.3	151569.69	1.9052	Pulse	0.1000	3
Sb	121	115	He	100.235	ppb	1.8	135961.05	1.7090	Pulse	0.1000	3
Ba	137	115	He	487.440	ppb	0.7	241590.24	3.0367	Pulse	0.1000	3
Tl	205	209	He	96.538	ppb	1.0	580166.85	3.9164	Pulse	0.1000	3
Pb	208	209	He	48.353	ppb	0.4	387128.27	2.6132	Pulse	0.1000	3
U	238	209	He	48.705	ppb	1.2	377983.35	2.5517	Pulse	0.1000	3

ISTD Table:

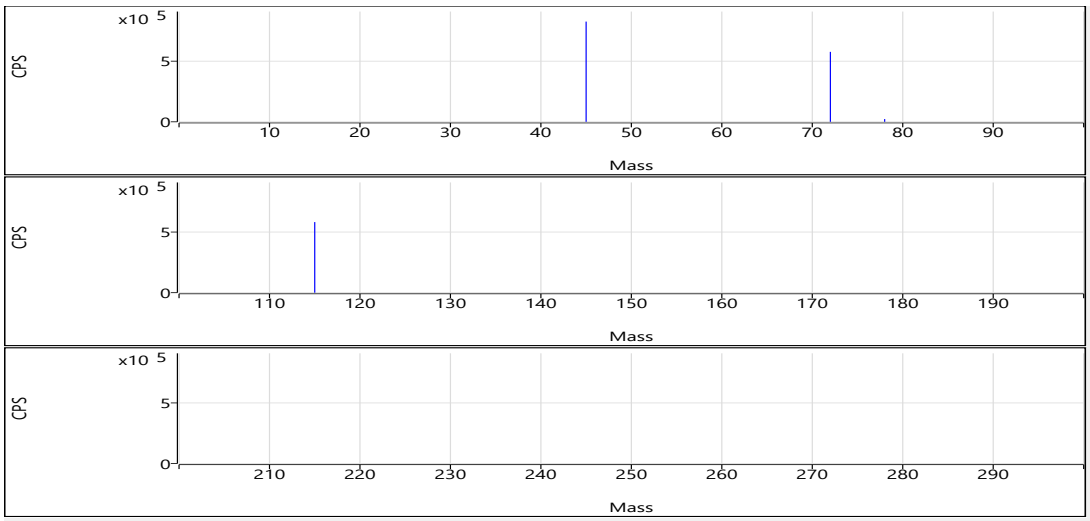
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	702029.52	0.9	102.7	Pulse	0.1000	3
No Gas	Ge	72	376379.68	1.1	104.1	Pulse	0.1000	3
H2	Sc	45	820217.57	0.8	106.0	Pulse	0.1000	3
H2	Ge	72	572539.04	0.9	105.2	Pulse	0.1000	3
H2	In	115	577799.88	0.7	104.8	Pulse	0.1000	3
He	Sc	45	59796.25	1.3	107.1	Pulse	0.1000	3
He	Ge	72	94282.01	0.6	105.6	Pulse	0.1000	3
He	In	115	79557.19	1.1	104.8	Pulse	0.1000	3
He	Tb	159	238011.49	1.0	108.3	Pulse	0.1000	3
He	Bi	209	148148.45	1.5	107.5	Pulse	0.1000	3

No Gas

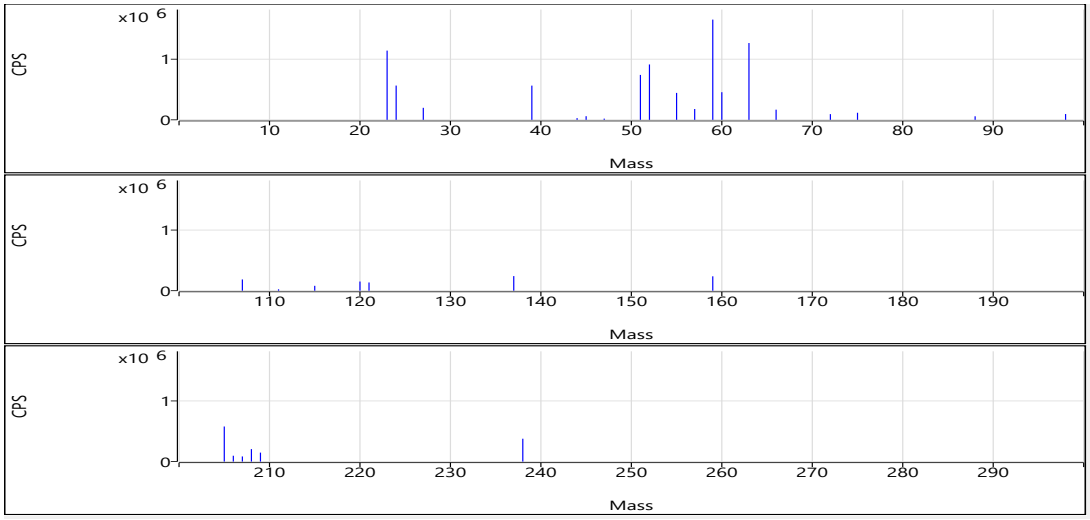


H2



Quantitation Report

He



Quantitation Report

Data File Name	077SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:21:55
Sample Name	LCS 410-682812/2-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

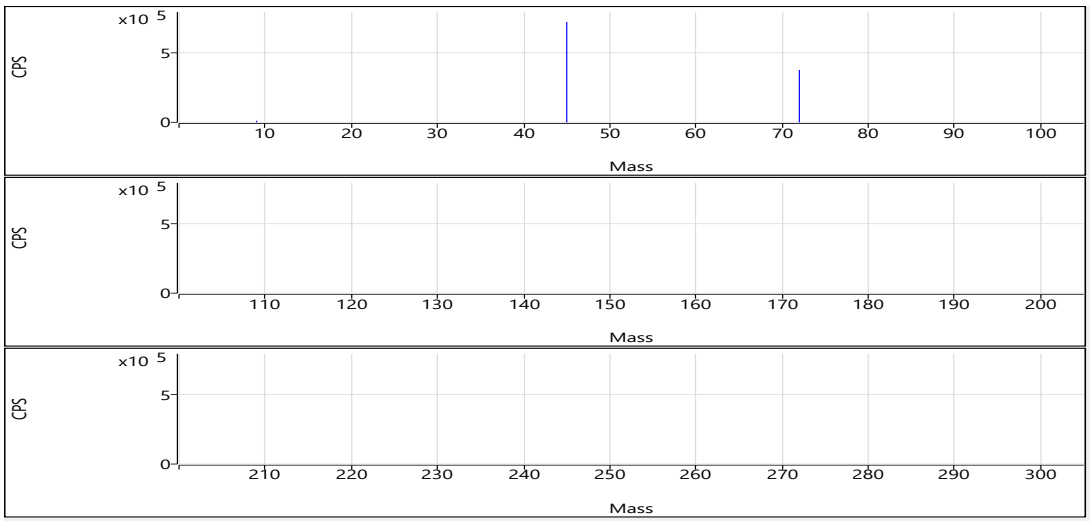
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.207	ppb	0.7	10834.64	0.0151	Pulse	0.5000	3
Se	78	72	H2	98.070	ppb	1.3	22207.03	0.0389	Pulse	1.5000	3
Na	23	45	He	4857.568	ppb	0.3	1132361.23	19.2917	Pulse	0.1000	3
Mg	24	45	He	4833.155	ppb	0.5	565393.80	9.6327	Pulse	0.1000	3
Al	27	45	He	4810.467	ppb	0.8	198029.78	3.3734	Pulse	0.1000	3
K	39	45	He	4864.208	ppb	0.7	561331.72	9.5623	Pulse	0.1000	3
Ca	44	45	He	4703.701	ppb	0.5	27516.61	0.4688	Pulse	0.1000	3
Ti	47	45	He	489.968	ppb	4.7	19797.33	0.3374	Pulse	0.1000	3
V	51	45	He	476.313	ppb	0.5	733864.29	12.5029	Pulse	0.5000	3
Cr	52	72	He	490.978	ppb	0.8	908694.05	9.8330	Pulse	0.1000	3
Mn	55	45	He	479.016	ppb	0.7	438598.20	7.4724	Pulse	0.1000	3
Fe	57	45	He	4784.722	ppb	0.8	176369.41	3.0050	Pulse	0.1000	3
Co	59	72	He	493.823	ppb	1.0	1631218.99	17.6512	Pulse	0.1000	3
Ni	60	115	He	488.251	ppb	1.0	449849.81	5.6933	Pulse	0.1000	3
Cu	63	115	He	491.213	ppb	1.1	1247044.44	15.7825	Pulse	0.1000	3
Zn	66	72	He	498.070	ppb	1.2	148711.42	1.6092	Pulse	0.1000	3
As	75	72	He	493.085	ppb	0.8	114335.27	1.2372	Pulse	0.5000	3
Sr	88	72	He	47.155	ppb	0.8	57981.77	0.6275	Pulse	0.1000	3
Mo	98	72	He	47.839	ppb	1.8	90868.20	0.9832	Pulse	0.1000	3
Ag	107	115	He	49.244	ppb	1.2	180365.06	2.2829	Pulse	0.1000	3
Cd	111	115	He	49.356	ppb	1.0	22779.79	0.2883	Pulse	0.5000	3
Sn	120	115	He	95.596	ppb	0.6	149094.61	1.8871	Pulse	0.1000	3
Sb	121	115	He	94.948	ppb	0.5	127907.39	1.6188	Pulse	0.1000	3
Ba	137	115	He	483.071	ppb	1.8	237766.80	3.0095	Pulse	0.1000	3
Tl	205	209	He	100.525	ppb	1.2	594610.74	4.0782	Pulse	0.1000	3
Pb	208	209	He	48.532	ppb	0.7	382453.72	2.6229	Pulse	0.1000	3
U	238	209	He	48.222	ppb	0.4	368408.41	2.5264	Pulse	0.1000	3

ISTD Table:

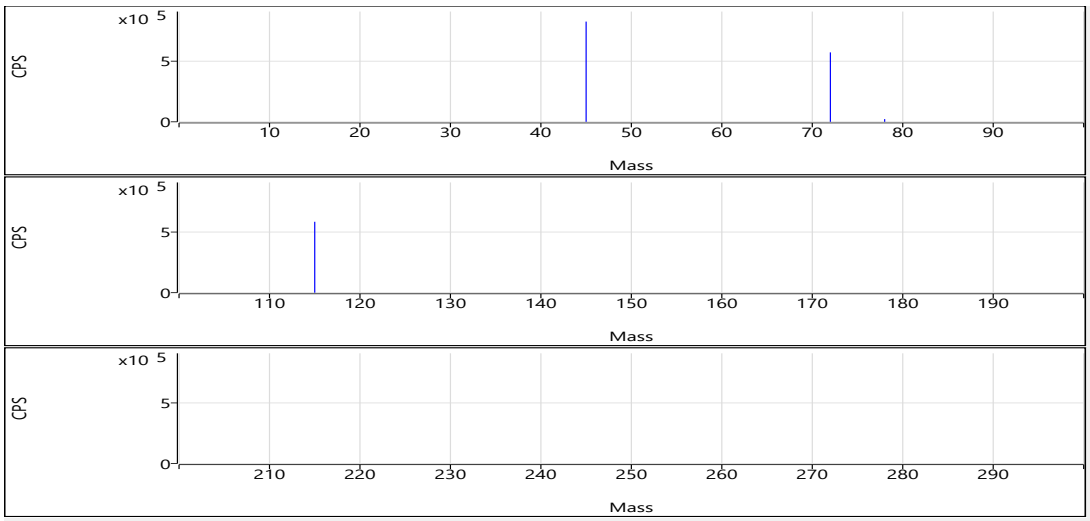
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	718803.24	0.7	105.1	Pulse	0.1000	3
No Gas	Ge	72	375254.47	1.0	103.7	Pulse	0.1000	3
H2	Sc	45	824881.06	2.1	106.6	Pulse	0.1000	3
H2	Ge	72	571412.16	1.2	105.0	Pulse	0.1000	3
H2	In	115	583639.86	0.8	105.8	Pulse	0.1000	3
He	Sc	45	58698.03	1.9	105.2	Pulse	0.1000	3
He	Ge	72	92409.09	1.0	103.5	Pulse	0.1000	3
He	In	115	79013.94	1.9	104.1	Pulse	0.1000	3
He	Tb	159	235367.97	1.9	107.1	Pulse	0.1000	3
He	Bi	209	145830.27	2.3	105.9	Pulse	0.1000	3

No Gas

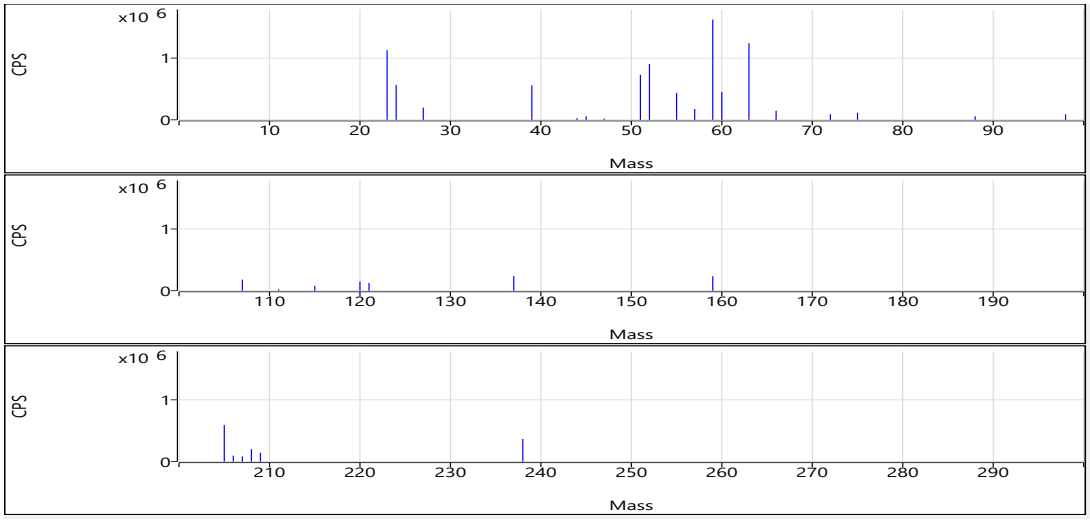


H2



Quantitation Report

He



Quantitation Report

Data File Name	078SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:24:02
Sample Name	LCS 410-685070/2-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

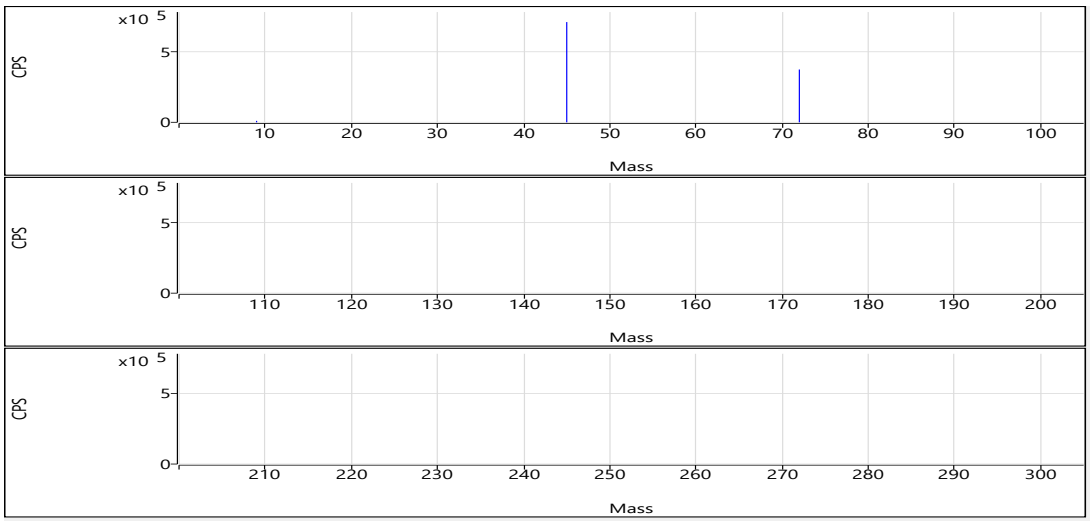
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.706	ppb	1.1	10195.52	0.0143	Pulse	0.5000	3
Se	78	72	H2	96.210	ppb	0.7	21673.12	0.0381	Pulse	1.5000	3
Na	23	45	He	4604.969	ppb	1.4	1107415.35	18.3024	Pulse	0.1000	3
Mg	24	45	He	4559.560	ppb	0.9	549895.03	9.0880	Pulse	0.1000	3
Al	27	45	He	4557.922	ppb	0.4	193415.14	3.1964	Pulse	0.1000	3
K	39	45	He	4613.242	ppb	0.5	550361.91	9.0954	Pulse	0.1000	3
Ca	44	45	He	4531.971	ppb	1.0	27342.90	0.4518	Pulse	0.1000	3
Ti	47	45	He	470.852	ppb	1.1	19623.79	0.3243	Pulse	0.1000	3
V	51	45	He	454.658	ppb	1.3	722155.31	11.9352	Pulse	0.5000	3
Cr	52	72	He	471.752	ppb	0.4	890043.29	9.4488	Pulse	0.1000	3
Mn	55	45	He	457.559	ppb	2.5	431889.34	7.1379	Pulse	0.1000	3
Fe	57	45	He	4604.873	ppb	1.8	174995.26	2.8922	Pulse	0.1000	3
Co	59	72	He	476.139	ppb	0.7	1603087.69	17.0192	Pulse	0.1000	3
Ni	60	115	He	473.788	ppb	0.6	438914.82	5.5251	Pulse	0.1000	3
Cu	63	115	He	479.242	ppb	1.4	1223096.05	15.3979	Pulse	0.1000	3
Zn	66	72	He	495.962	ppb	0.3	150930.39	1.6024	Pulse	0.1000	3
As	75	72	He	476.353	ppb	0.6	112582.84	1.1952	Pulse	0.5000	3
Sr	88	72	He	45.256	ppb	1.8	56740.44	0.6023	Pulse	0.1000	3
Mo	98	72	He	48.270	ppb	1.0	93451.24	0.9921	Pulse	0.1000	3
Ag	107	115	He	49.144	ppb	0.9	180975.06	2.2782	Pulse	0.1000	3
Cd	111	115	He	47.864	ppb	1.8	22209.54	0.2796	Pulse	0.5000	3
Sn	120	115	He	93.003	ppb	2.1	145941.49	1.8374	Pulse	0.1000	3
Sb	121	115	He	90.783	ppb	1.5	122949.44	1.5478	Pulse	0.1000	3
Ba	137	115	He	474.911	ppb	2.5	234988.95	2.9587	Pulse	0.1000	3
Tl	205	209	He	95.129	ppb	1.5	571999.40	3.8593	Pulse	0.1000	3
Pb	208	209	He	47.012	ppb	1.5	376575.07	2.5408	Pulse	0.1000	3
U	238	209	He	46.950	ppb	1.3	364598.70	2.4598	Pulse	0.1000	3

ISTD Table:

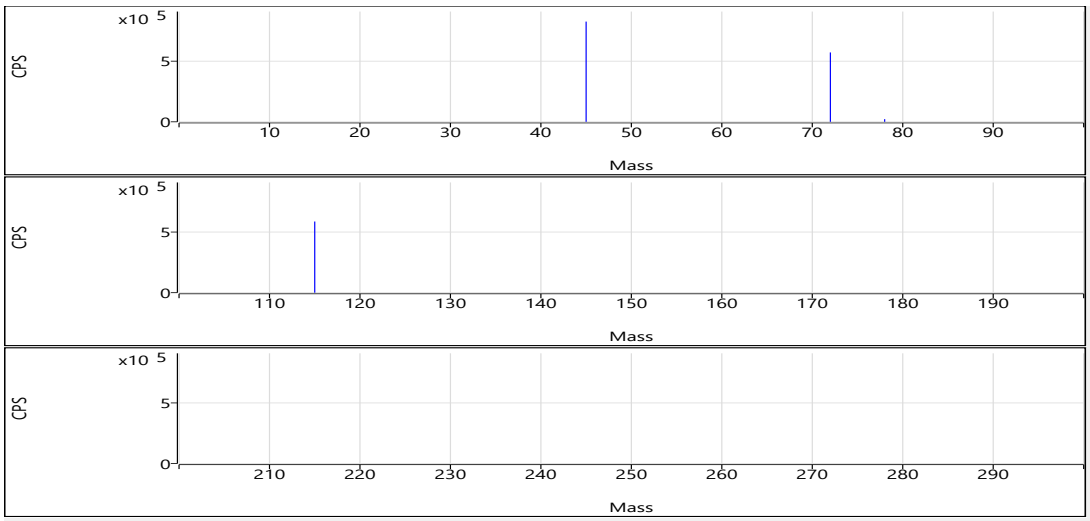
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711806.71	0.4	104.1	Pulse	0.1000	3
No Gas	Ge	72	374917.56	0.7	103.7	Pulse	0.1000	3
H2	Sc	45	821194.13	0.1	106.2	Pulse	0.1000	3
H2	Ge	72	568386.10	0.4	104.5	Pulse	0.1000	3
H2	In	115	583220.88	0.9	105.7	Pulse	0.1000	3
He	Sc	45	60512.60	1.4	108.4	Pulse	0.1000	3
He	Ge	72	94194.17	0.7	105.5	Pulse	0.1000	3
He	In	115	79444.30	1.6	104.6	Pulse	0.1000	3
He	Tb	159	237633.37	0.3	108.1	Pulse	0.1000	3
He	Bi	209	148233.52	1.5	107.6	Pulse	0.1000	3

No Gas

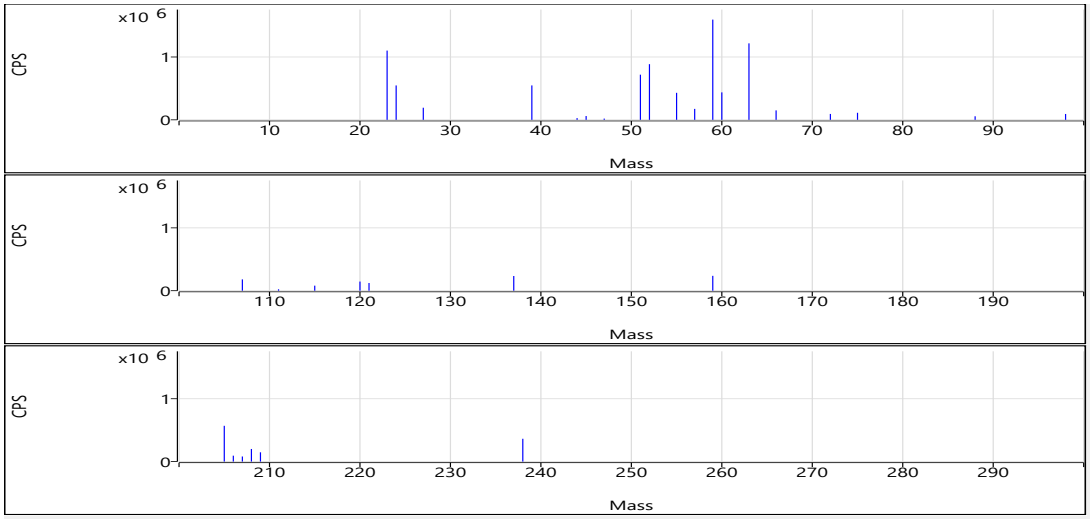


H2



Quantitation Report

He



Quantitation Report

Data File Name	080_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:28:14
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

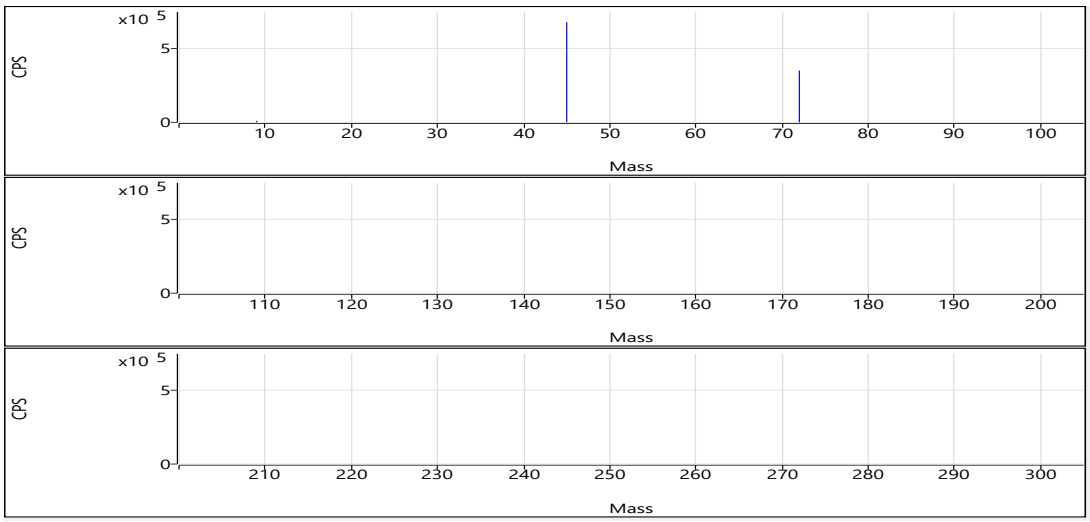
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.653	ppb	0.7	9924.67	0.0146	Pulse	0.5000	3
Se	78	72	H2	53.162	ppb	1.1	11387.83	0.0211	Pulse	1.5000	3
Na	23	45	He	5046.817	ppb	2.8	1133062.74	20.0329	Pulse	0.1000	3
Mg	24	45	He	5075.302	ppb	2.3	572117.63	10.1147	Pulse	0.1000	3
Al	27	45	He	5031.106	ppb	2.0	199564.74	3.5280	Pulse	0.1000	3
K	39	45	He	5037.965	ppb	2.5	559156.81	9.8856	Pulse	0.1000	3
Ca	44	45	He	4984.642	ppb	3.2	28084.35	0.4965	Pulse	0.1000	3
Ti	47	45	He	5034.105	ppb	2.3	196061.69	3.4663	Pulse	0.1000	3
V	51	45	He	507.664	ppb	1.9	753738.17	13.3247	Pulse	0.5000	3
Cr	52	72	He	523.089	ppb	1.1	920832.64	10.4747	Pulse	0.1000	3
Mn	55	45	He	503.724	ppb	1.7	444508.34	7.8576	Pulse	0.1000	3
Fe	57	45	He	5039.964	ppb	2.4	179037.60	3.1651	Pulse	0.1000	3
Co	59	72	He	531.309	ppb	0.2	1669691.90	18.9909	Pulse	0.1000	3
Ni	60	115	He	512.643	ppb	1.5	458266.00	5.9770	Pulse	0.1000	3
Cu	63	115	He	512.495	ppb	1.1	1262549.28	16.4661	Pulse	0.1000	3
Zn	66	72	He	523.817	ppb	0.5	148785.37	1.6923	Pulse	0.1000	3
As	75	72	He	524.536	ppb	0.7	115701.37	1.3161	Pulse	0.5000	3
Sr	88	72	He	51.465	ppb	2.2	60171.12	0.6845	Pulse	0.1000	3
Mo	98	72	He	53.440	ppb	1.4	96548.88	1.0983	Pulse	0.1000	3
Ag	107	115	He	51.673	ppb	0.7	183681.42	2.3955	Pulse	0.1000	3
Cd	111	115	He	51.326	ppb	2.3	22984.78	0.2998	Pulse	0.5000	3
Sn	120	115	He	50.724	ppb	1.3	78829.44	1.0279	Pulse	0.1000	3
Sb	121	115	He	51.643	ppb	1.9	67527.60	0.8806	Pulse	0.1000	3
Ba	137	115	He	510.145	ppb	0.5	243707.26	3.1781	Pulse	0.1000	3
Tl	205	209	He	50.516	ppb	1.0	294826.56	2.0496	Pulse	0.1000	3
Pb	208	209	He	50.547	ppb	0.9	392939.90	2.7317	Pulse	0.1000	3
U	238	209	He	50.395	ppb	0.9	379787.10	2.6402	Pulse	0.1000	3

ISTD Table:

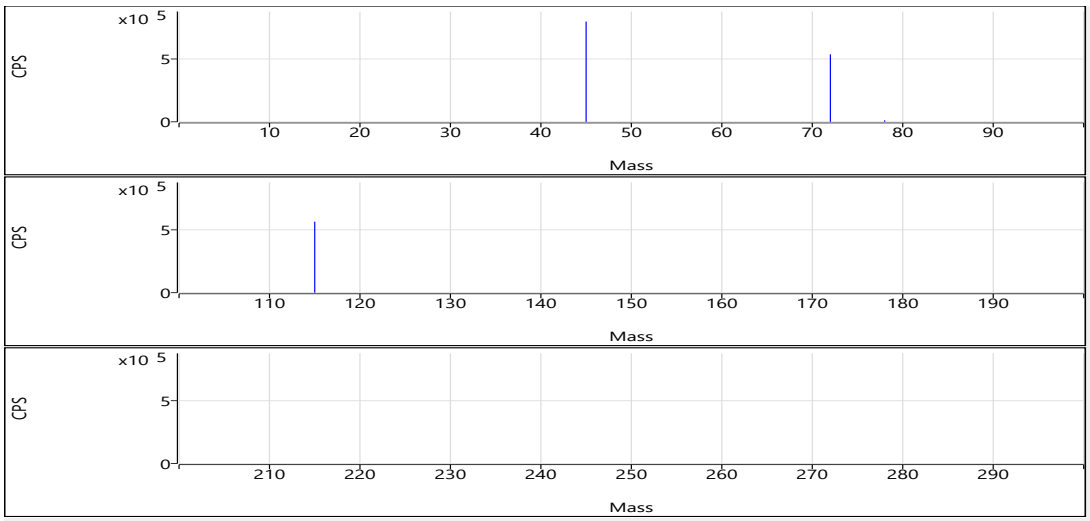
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679430.72	0.2	99.4	Pulse	0.1000	3
No Gas	Ge	72	350549.59	0.3	96.9	Pulse	0.1000	3
H2	Sc	45	802586.65	0.8	103.8	Pulse	0.1000	3
H2	Ge	72	540332.65	0.8	99.3	Pulse	0.1000	3
H2	In	115	568312.77	0.7	103.0	Pulse	0.1000	3
He	Sc	45	56580.38	2.1	101.4	Pulse	0.1000	3
He	Ge	72	87919.05	1.4	98.4	Pulse	0.1000	3
He	In	115	76685.66	2.1	101.0	Pulse	0.1000	3
He	Tb	159	229993.88	1.3	104.6	Pulse	0.1000	3
He	Bi	209	143861.48	1.8	104.4	Pulse	0.1000	3

No Gas

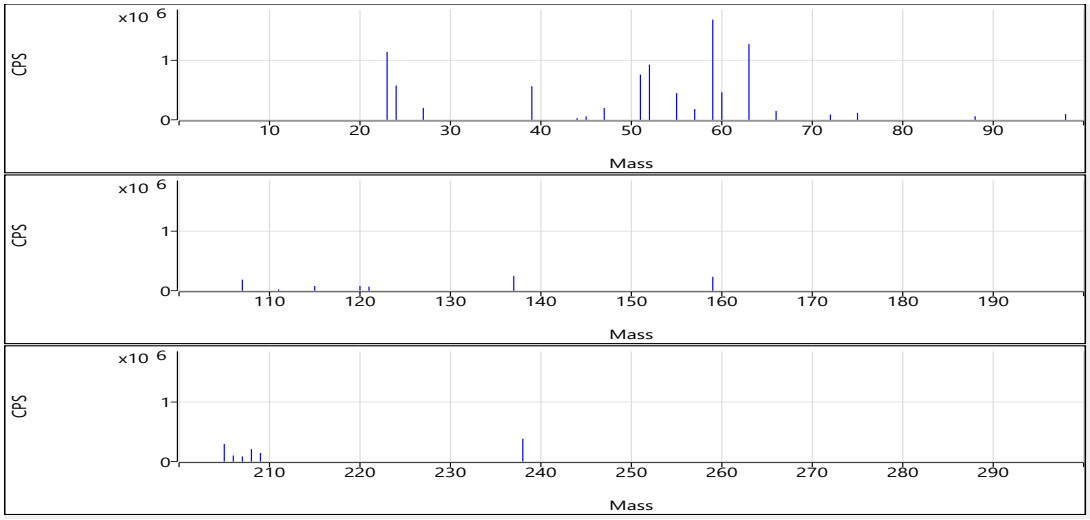


H2



Quantitation Report

He



Quantitation Report

Data File Name	089_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:48:35
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

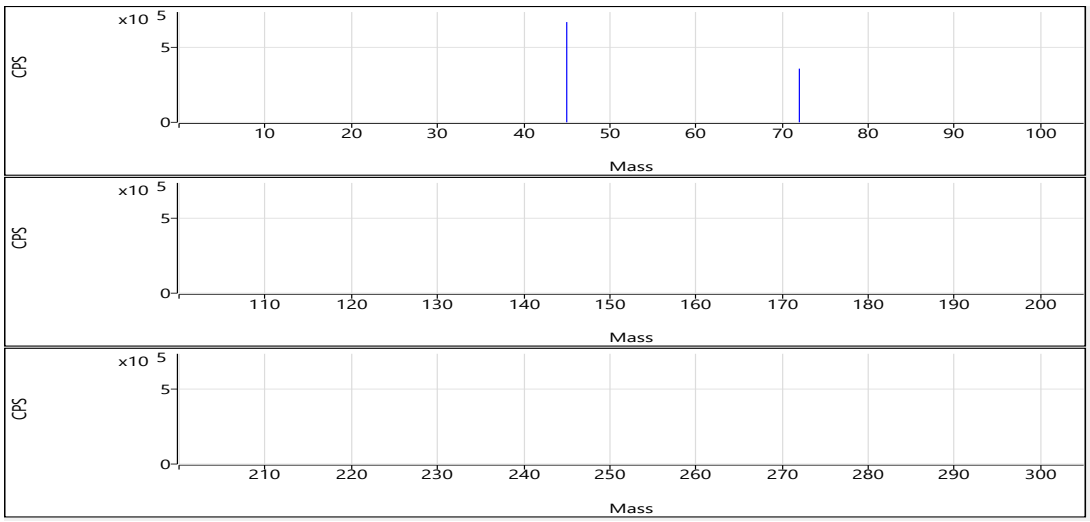
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.038	ppb	N/A	15.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.052	ppb	25.7	18.44	0.0000	Pulse	1.5000	3
Na	23	45	He	-1.133	ppb	N/A	14450.75	0.2625	Pulse	0.1000	3
Mg	24	45	He	1.354	ppb	43.6	743.38	0.0135	Pulse	0.1000	3
Al	27	45	He	2.039	ppb	6.2	223.34	0.0041	Pulse	0.1000	3
K	39	45	He	6.410	ppb	227.2	28819.07	0.5234	Pulse	0.1000	3
Ca	44	45	He	-1.781	ppb	N/A	236.68	0.0043	Pulse	0.1000	3
Ti	47	45	He	0.965	ppb	71.3	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	0.156	ppb	17.4	1150.72	0.0209	Pulse	0.5000	3
Cr	52	72	He	0.136	ppb	38.8	2210.25	0.0251	Pulse	0.1000	3
Mn	55	45	He	0.042	ppb	131.6	286.68	0.0052	Pulse	0.1000	3
Fe	57	45	He	0.984	ppb	242.5	270.01	0.0049	Pulse	0.1000	3
Co	59	72	He	0.143	ppb	9.5	630.04	0.0071	Pulse	0.1000	3
Ni	60	115	He	0.017	ppb	1216.2	1106.75	0.0149	Pulse	0.1000	3
Cu	63	115	He	0.136	ppb	6.6	566.70	0.0076	Pulse	0.1000	3
Zn	66	72	He	0.145	ppb	39.7	130.01	0.0015	Pulse	0.1000	3
As	75	72	He	0.223	ppb	4.9	107.33	0.0012	Pulse	0.5000	3
Sr	88	72	He	-0.037	ppb	N/A	250.01	0.0028	Pulse	0.1000	3
Mo	98	72	He	0.021	ppb	116.4	90.00	0.0010	Pulse	0.1000	3
Ag	107	115	He	0.012	ppb	54.0	73.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	148.7	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.174	ppb	61.7	4474.20	0.0601	Pulse	0.1000	3
Sb	121	115	He	0.076	ppb	18.9	120.00	0.0016	Pulse	0.1000	3
Ba	137	115	He	0.148	ppb	47.9	160.01	0.0022	Pulse	0.1000	3
Tl	205	209	He	0.032	ppb	8.0	250.01	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.005	ppb	123.9	330.01	0.0024	Pulse	0.1000	3
U	238	209	He	0.016	ppb	11.2	230.01	0.0017	Pulse	0.1000	3

ISTD Table:

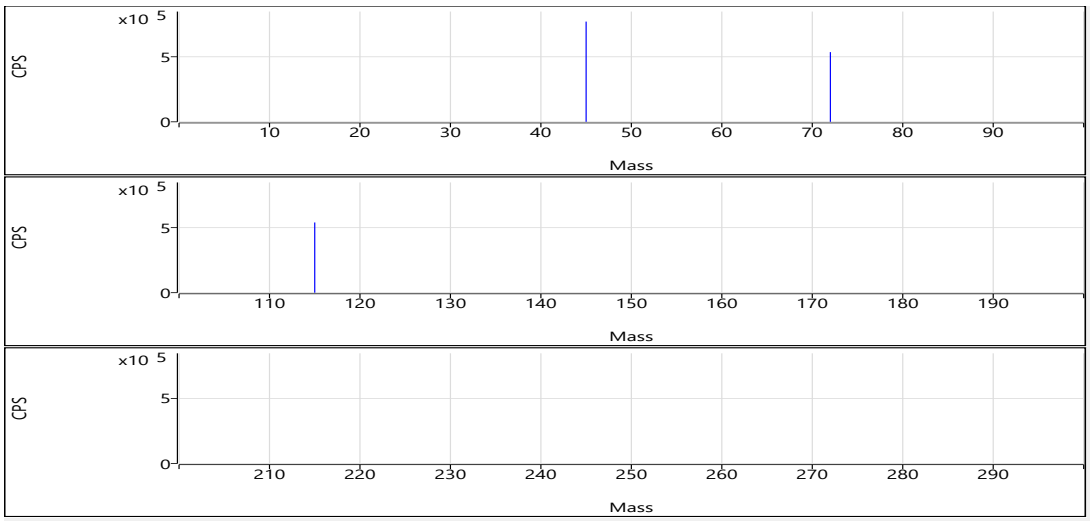
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	671924.76	0.6	98.3	Pulse	0.1000	3
No Gas	Ge	72	359681.41	0.6	99.4	Pulse	0.1000	3
H2	Sc	45	766869.10	0.5	99.1	Pulse	0.1000	3
H2	Ge	72	533319.17	0.5	98.0	Pulse	0.1000	3
H2	In	115	537249.13	0.2	97.4	Pulse	0.1000	3
He	Sc	45	55044.39	1.3	98.6	Pulse	0.1000	3
He	Ge	72	88220.02	0.9	98.8	Pulse	0.1000	3
He	In	115	74473.62	2.1	98.1	Pulse	0.1000	3
He	Tb	159	221816.18	2.1	100.9	Pulse	0.1000	3
He	Bi	209	138683.93	1.8	100.7	Pulse	0.1000	3

No Gas

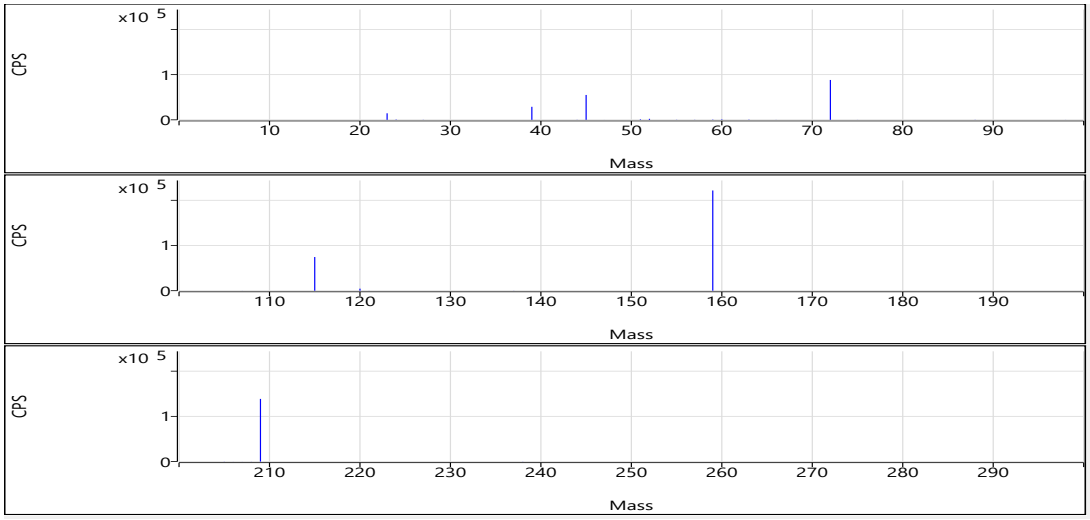


H2



Quantitation Report

He



Quantitation Report

Data File Name	090SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:54:21
Sample Name	180-193945-L-1-A
Sample Type	Sample
Comment	D15
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

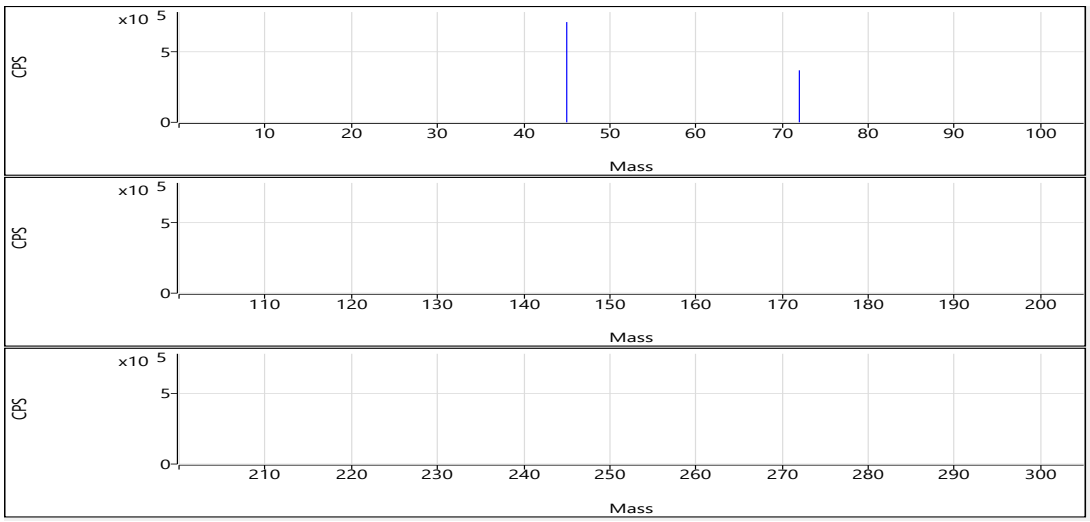
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.055	ppb	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.390	ppb	8.6	311.78	0.0006	Pulse	1.5000	3
Na	23	45	He	210459.465	ppb	2.2	47192384.30	824.5368	Analog	0.1000	3
Mg	24	45	He	21333.217	ppb	2.4	2431334.29	42.4810	Pulse	0.1000	3
Al	27	45	He	172.396	ppb	6.1	7065.36	0.1234	Pulse	0.1000	3
K	39	45	He	8905.250	ppb	1.0	977752.59	17.0815	Pulse	0.1000	3
Ca	44	45	He	84972.309	ppb	1.3	480369.54	8.3921	Pulse	0.1000	3
Ti	47	45	He	1.693	ppb	26.9	70.00	0.0012	Pulse	0.1000	3
V	51	45	He	0.933	ppb	5.8	2361.54	0.0413	Pulse	0.5000	3
Cr	52	72	He	1.086	ppb	11.4	3980.69	0.0440	Pulse	0.1000	3
Mn	55	45	He	39.705	ppb	2.2	35687.97	0.6235	Pulse	0.1000	3
Fe	57	45	He	270.019	ppb	8.7	9933.77	0.1736	Pulse	0.1000	3
Co	59	72	He	0.373	ppb	3.6	1390.11	0.0154	Pulse	0.1000	3
Ni	60	115	He	2.502	ppb	7.7	3417.19	0.0438	Pulse	0.1000	3
Cu	63	115	He	84.816	ppb	1.9	212758.79	2.7278	Pulse	0.1000	3
Zn	66	72	He	205.088	ppb	2.0	59961.60	0.6632	Pulse	0.1000	3
As	75	72	He	1.297	ppb	12.0	353.34	0.0039	Pulse	0.5000	3
Sr	88	72	He	524.077	ppb	1.7	627506.52	6.9402	Pulse	0.1000	3
Mo	98	72	He	4.674	ppb	6.8	8729.67	0.0966	Pulse	0.1000	3
Ag	107	115	He	0.135	ppb	5.9	523.36	0.0067	Pulse	0.1000	3
Cd	111	115	He	0.113	ppb	10.1	53.33	0.0007	Pulse	0.5000	3
Sn	120	115	He	-0.409	ppb	N/A	3813.98	0.0489	Pulse	0.1000	3
Sb	121	115	He	0.530	ppb	11.2	730.05	0.0093	Pulse	0.1000	3
Ba	137	115	He	76.232	ppb	3.9	37114.23	0.4760	Pulse	0.1000	3
Tl	205	209	He	0.049	ppb	21.7	390.02	0.0025	Pulse	0.1000	3
Pb	208	209	He	0.482	ppb	4.7	4390.46	0.0282	Pulse	0.1000	3
U	238	209	He	0.365	ppb	4.3	3113.86	0.0200	Pulse	0.1000	3

ISTD Table:

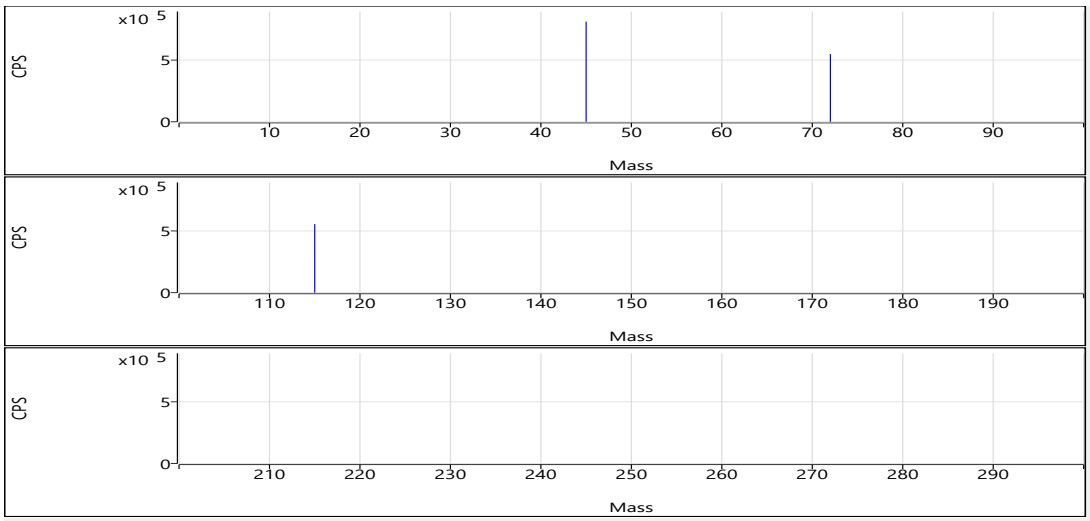
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	713520.56	0.6	104.4	Pulse	0.1000	3
No Gas	Ge	72	370008.18	0.6	102.3	Pulse	0.1000	3
H2	Sc	45	816514.44	0.5	105.6	Pulse	0.1000	3
H2	Ge	72	552199.68	0.2	101.5	Pulse	0.1000	3
H2	In	115	558808.43	0.4	101.3	Pulse	0.1000	3
He	Sc	45	57246.12	1.5	102.6	Pulse	0.1000	3
He	Ge	72	90430.33	1.3	101.3	Pulse	0.1000	3
He	In	115	78018.12	2.5	102.7	Pulse	0.1000	3
He	Tb	159	227210.76	1.2	103.4	Pulse	0.1000	3
He	Bi	209	155912.16	1.2	113.2	Pulse	0.1000	3

No Gas

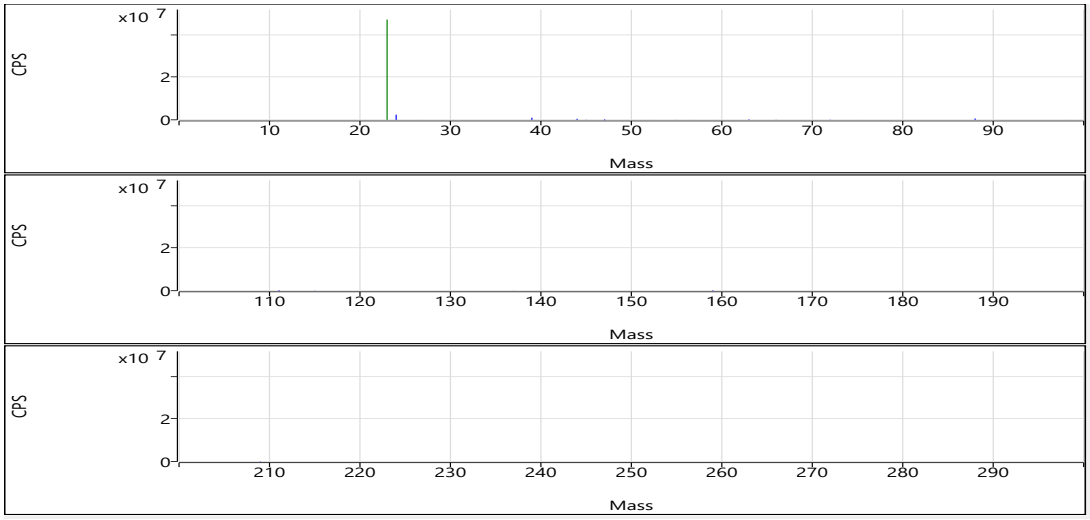


H2



Quantitation Report

He



Quantitation Report

Data File Name	091SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:56:28
Sample Name	180-193981-M-1-A
Sample Type	Sample
Comment	D15
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

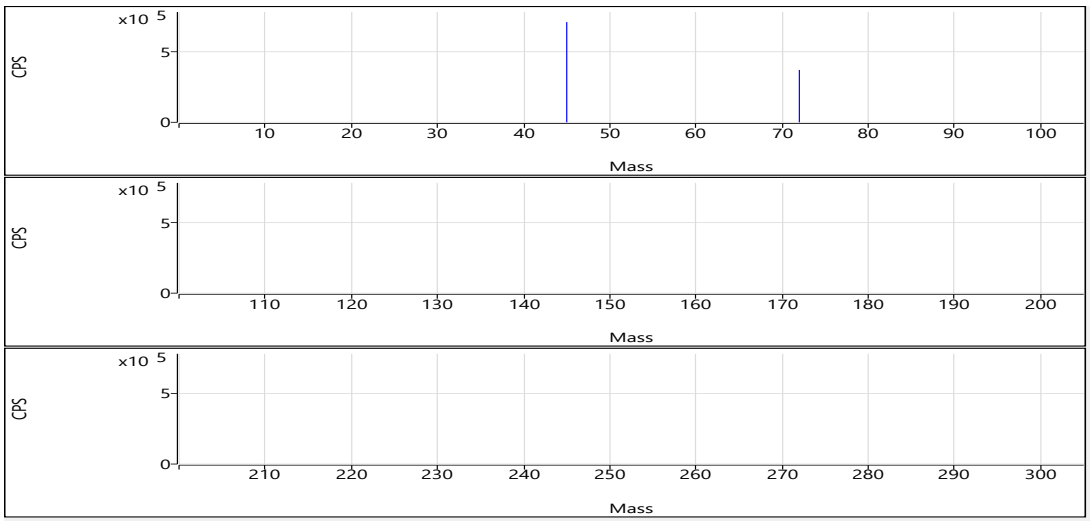
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.038	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.144	ppb	4.3	258.67	0.0005	Pulse	1.5000	3
Na	23	45	He	195258.379	ppb	2.4	43662772.68	765.0014	Analog	0.1000	3
Mg	24	45	He	17988.060	ppb	2.5	2044357.63	35.8215	Pulse	0.1000	3
Al	27	45	He	47.813	ppb	14.7	2060.22	0.0361	Pulse	0.1000	3
K	39	45	He	5499.778	ppb	1.6	613340.55	10.7449	Pulse	0.1000	3
Ca	44	45	He	75296.480	ppb	1.6	424515.02	7.4370	Pulse	0.1000	3
Ti	47	45	He	1.523	ppb	7.4	63.33	0.0011	Pulse	0.1000	3
V	51	45	He	0.695	ppb	10.7	2002.15	0.0350	Pulse	0.5000	3
Cr	52	72	He	0.721	ppb	23.5	3220.46	0.0367	Pulse	0.1000	3
Mn	55	45	He	20.577	ppb	2.9	18565.64	0.3253	Pulse	0.1000	3
Fe	57	45	He	109.856	ppb	7.7	4174.09	0.0732	Pulse	0.1000	3
Co	59	72	He	0.266	ppb	10.0	1013.41	0.0115	Pulse	0.1000	3
Ni	60	115	He	1.551	ppb	22.2	2500.31	0.0327	Pulse	0.1000	3
Cu	63	115	He	36.258	ppb	0.5	89248.20	1.1680	Pulse	0.1000	3
Zn	66	72	He	142.654	ppb	2.9	40474.52	0.4616	Pulse	0.1000	3
As	75	72	He	1.349	ppb	7.0	354.68	0.0040	Pulse	0.5000	3
Sr	88	72	He	473.136	ppb	2.6	549422.11	6.2659	Pulse	0.1000	3
Mo	98	72	He	3.925	ppb	1.0	7125.38	0.0812	Pulse	0.1000	3
Ag	107	115	He	0.088	ppb	25.3	346.68	0.0045	Pulse	0.1000	3
Cd	111	115	He	0.048	ppb	11.8	23.33	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.055	ppb	N/A	4257.95	0.0557	Pulse	0.1000	3
Sb	121	115	He	0.473	ppb	15.6	640.04	0.0084	Pulse	0.1000	3
Ba	137	115	He	70.244	ppb	1.0	33518.29	0.4387	Pulse	0.1000	3
Tl	205	209	He	0.039	ppb	25.4	293.35	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.200	ppb	14.7	1796.78	0.0129	Pulse	0.1000	3
U	238	209	He	0.364	ppb	5.7	2777.08	0.0199	Pulse	0.1000	3

ISTD Table:

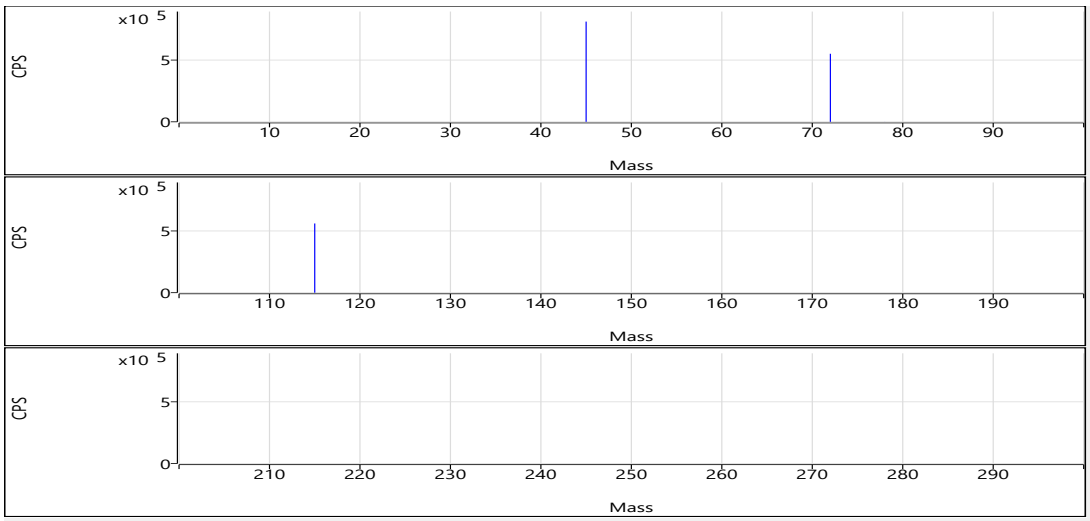
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705771.99	0.6	103.2	Pulse	0.1000	3
No Gas	Ge	72	368523.34	0.9	101.9	Pulse	0.1000	3
H2	Sc	45	815798.40	0.9	105.5	Pulse	0.1000	3
H2	Ge	72	553883.73	0.5	101.8	Pulse	0.1000	3
H2	In	115	563371.40	0.8	102.1	Pulse	0.1000	3
He	Sc	45	57098.69	3.0	102.3	Pulse	0.1000	3
He	Ge	72	87720.62	2.5	98.2	Pulse	0.1000	3
He	In	115	76412.33	0.8	100.6	Pulse	0.1000	3
He	Tb	159	226843.16	2.0	103.2	Pulse	0.1000	3
He	Bi	209	139391.52	1.8	101.2	Pulse	0.1000	3

No Gas

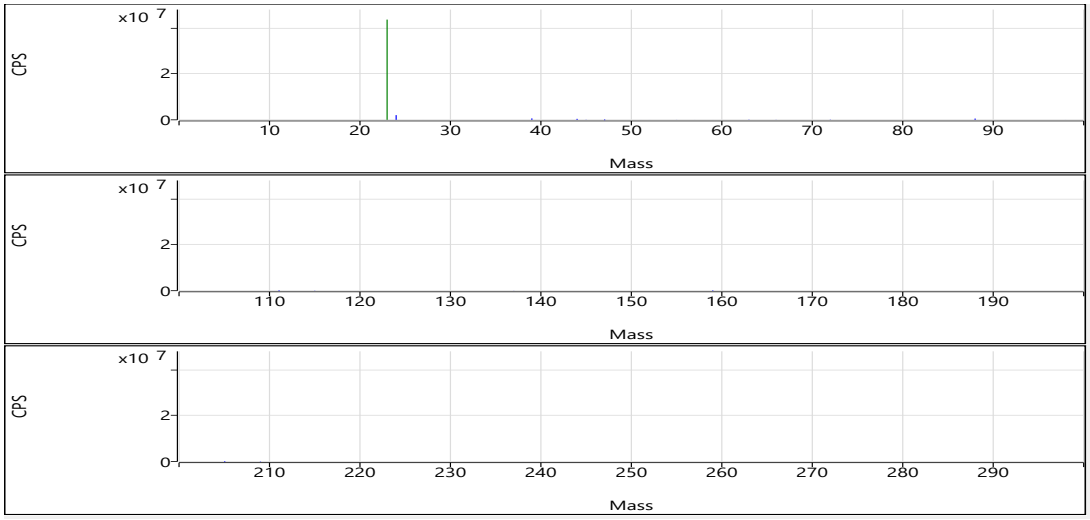


H2



Quantitation Report

He



Quantitation Report

Data File Name	092SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 17:58:34
Sample Name	410-235228-I-9-A
Sample Type	Sample
Comment	F18
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

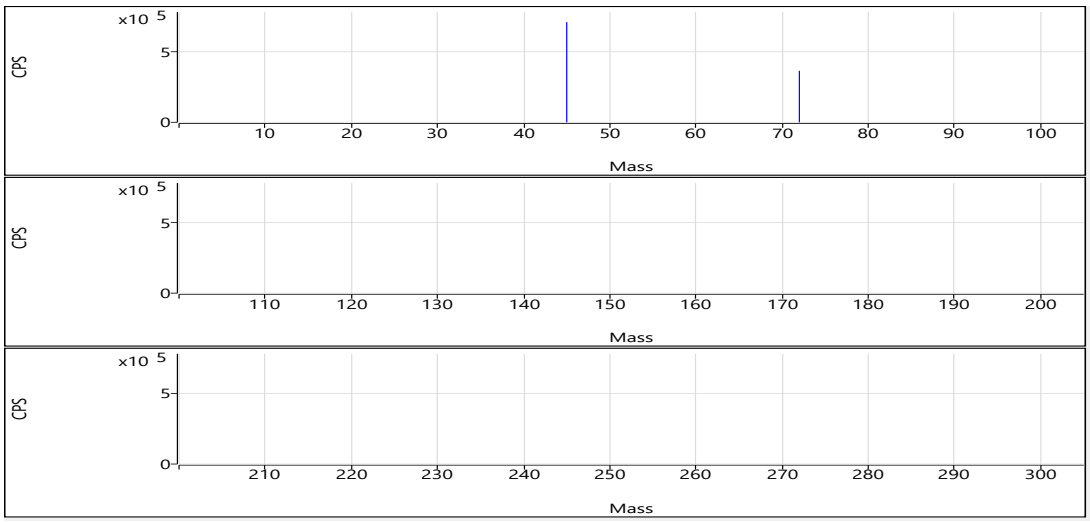
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.017	ppb	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.040	ppb	63.9	16.00	0.0000	Pulse	1.5000	3
Na	23	45	He	55670.007	ppb	1.0	12709558.56	218.3000	Analog	0.1000	3
Mg	24	45	He	30125.611	ppb	0.9	3492362.55	59.9849	Pulse	0.1000	3
Al	27	45	He	0.178	ppb	709.0	160.01	0.0028	Pulse	0.1000	3
K	39	45	He	1263.372	ppb	1.0	166657.41	2.8623	Pulse	0.1000	3
Ca	44	45	He	62286.852	ppb	0.9	358222.70	6.1528	Pulse	0.1000	3
Ti	47	45	He	0.496	ppb	30.1	23.33	0.0004	Pulse	0.1000	3
V	51	45	He	-0.033	ppb	N/A	928.04	0.0159	Pulse	0.5000	3
Cr	52	72	He	-0.132	ppb	N/A	1743.49	0.0197	Pulse	0.1000	3
Mn	55	45	He	496.537	ppb	2.2	450914.25	7.7456	Pulse	0.1000	3
Fe	57	45	He	312.069	ppb	6.1	11641.75	0.2000	Pulse	0.1000	3
Co	59	72	He	0.144	ppb	11.3	636.71	0.0072	Pulse	0.1000	3
Ni	60	115	He	-0.203	ppb	N/A	966.73	0.0123	Pulse	0.1000	3
Cu	63	115	He	0.191	ppb	20.6	733.38	0.0094	Pulse	0.1000	3
Zn	66	72	He	0.995	ppb	23.0	373.35	0.0042	Pulse	0.1000	3
As	75	72	He	0.624	ppb	19.3	196.67	0.0022	Pulse	0.5000	3
Sr	88	72	He	1169.076	ppb	1.0	1369918.83	15.4776	Pulse	0.1000	3
Mo	98	72	He	0.570	ppb	11.6	1090.09	0.0123	Pulse	0.1000	3
Ag	107	115	He	0.004	ppb	129.0	50.00	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	91.0	6.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.743	ppb	N/A	3330.52	0.0425	Pulse	0.1000	3
Sb	121	115	He	0.024	ppb	36.0	56.67	0.0007	Pulse	0.1000	3
Ba	137	115	He	962.174	ppb	0.2	469166.01	5.9931	Pulse	0.1000	3
Tl	205	209	He	0.024	ppb	42.0	206.68	0.0015	Pulse	0.1000	3
Pb	208	209	He	0.001	ppb	155.3	310.01	0.0022	Pulse	0.1000	3
U	238	209	He	0.317	ppb	5.2	2460.33	0.0174	Pulse	0.1000	3

ISTD Table:

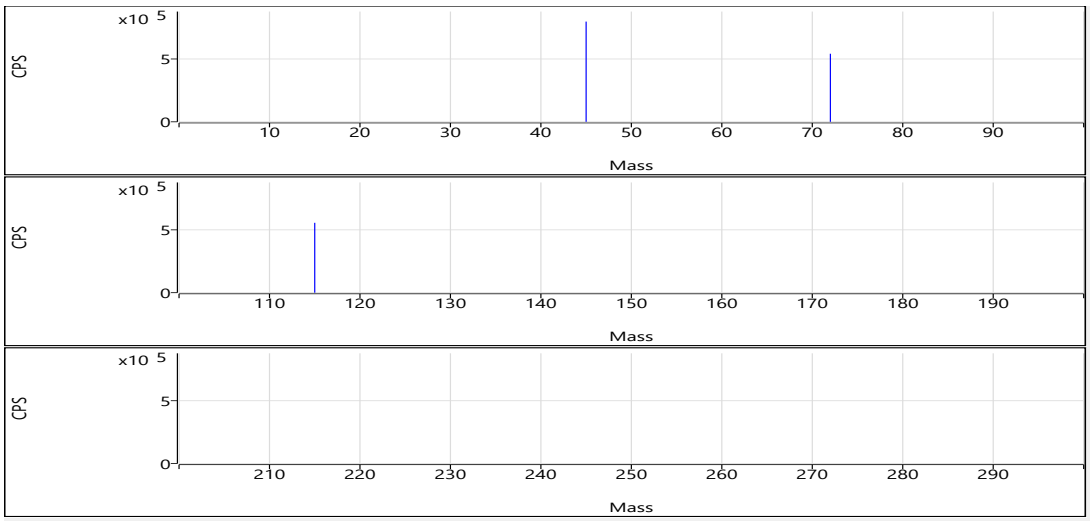
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	709489.28	1.2	103.8	Pulse	0.1000	3
No Gas	Ge	72	364501.40	1.5	100.8	Pulse	0.1000	3
H2	Sc	45	796013.82	0.6	102.9	Pulse	0.1000	3
H2	Ge	72	540651.07	0.8	99.4	Pulse	0.1000	3
H2	In	115	555010.93	0.3	100.6	Pulse	0.1000	3
He	Sc	45	58223.06	0.9	104.3	Pulse	0.1000	3
He	Ge	72	88508.56	0.2	99.1	Pulse	0.1000	3
He	In	115	78283.62	0.4	103.1	Pulse	0.1000	3
He	Tb	159	230507.65	0.3	104.9	Pulse	0.1000	3
He	Bi	209	140998.66	0.9	102.3	Pulse	0.1000	3

No Gas

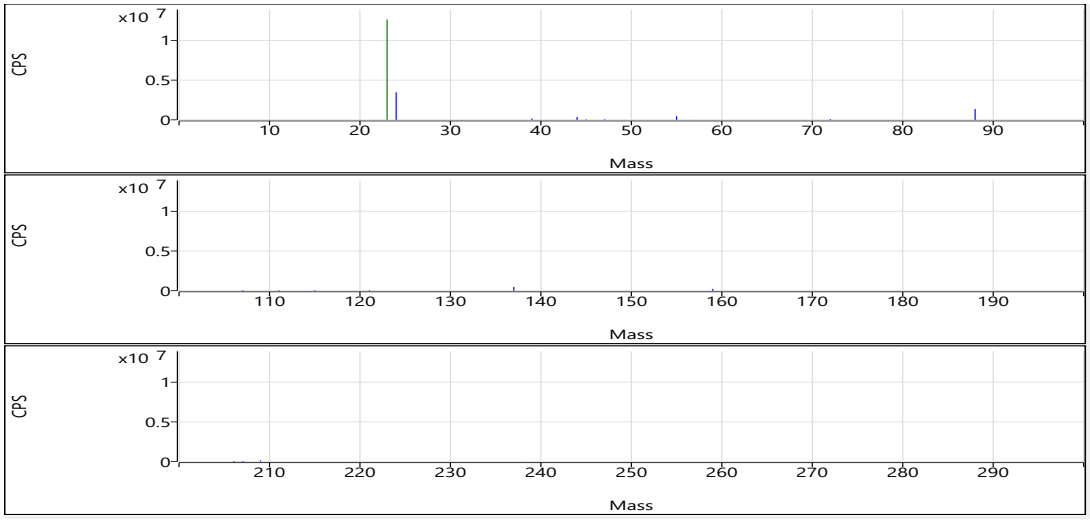


H2



Quantitation Report

He



Quantitation Report

Data File Name	093SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:00:41
Sample Name	410-236127-H-3-A@10
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

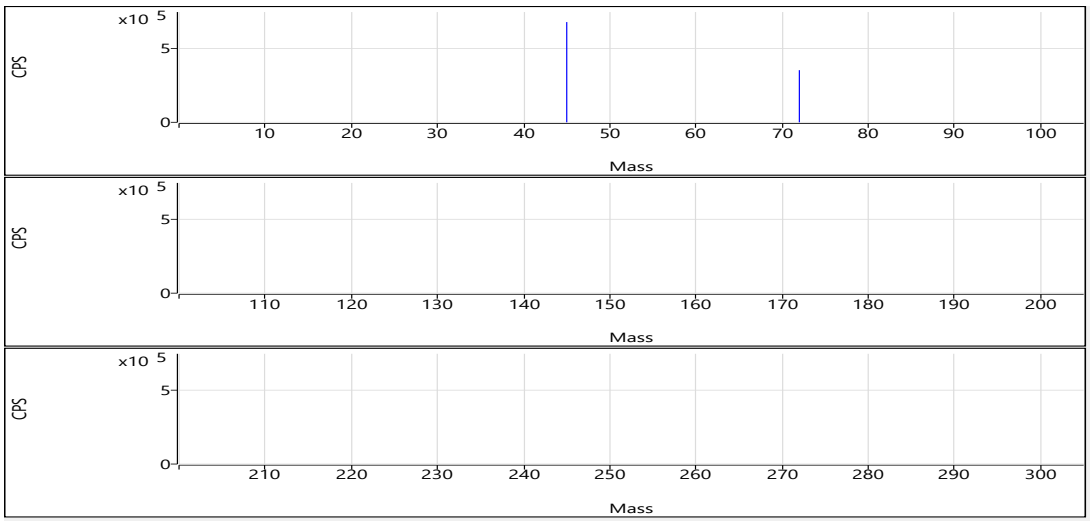
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.062	ppb	N/A	10.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.068	ppb	20.7	21.56	0.0000	Pulse	1.5000	3
Na	23	45	He	16966.474	ppb	1.3	3735365.26	66.7166	Pulse	0.1000	3
Mg	24	45	He	3181.004	ppb	0.8	355180.51	6.3436	Pulse	0.1000	3
Al	27	45	He	118.514	ppb	4.4	4797.58	0.0857	Pulse	0.1000	3
K	39	45	He	323.861	ppb	5.2	62382.84	1.1141	Pulse	0.1000	3
Ca	44	45	He	23529.525	ppb	2.2	130281.99	2.3271	Pulse	0.1000	3
Ti	47	45	He	2.244	ppb	18.8	90.00	0.0016	Pulse	0.1000	3
V	51	45	He	0.235	ppb	23.7	1285.40	0.0230	Pulse	0.5000	3
Cr	52	72	He	0.336	ppb	21.5	2453.62	0.0290	Pulse	0.1000	3
Mn	55	45	He	36.107	ppb	2.2	31768.63	0.5674	Pulse	0.1000	3
Fe	57	45	He	200.703	ppb	0.3	7288.78	0.1302	Pulse	0.1000	3
Co	59	72	He	0.241	ppb	14.2	900.07	0.0107	Pulse	0.1000	3
Ni	60	115	He	0.717	ppb	22.9	1760.16	0.0230	Pulse	0.1000	3
Cu	63	115	He	0.885	ppb	8.4	2420.28	0.0317	Pulse	0.1000	3
Zn	66	72	He	2.907	ppb	13.2	876.72	0.0104	Pulse	0.1000	3
As	75	72	He	0.366	ppb	32.3	132.67	0.0016	Pulse	0.5000	3
Sr	88	72	He	489.442	ppb	0.9	547169.13	6.4817	Pulse	0.1000	3
Mo	98	72	He	0.142	ppb	26.1	296.68	0.0035	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	43.1	66.67	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	57.7	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.244	ppb	12.0	4697.65	0.0614	Pulse	0.1000	3
Sb	121	115	He	0.143	ppb	6.4	210.01	0.0027	Pulse	0.1000	3
Ba	137	115	He	145.743	ppb	2.8	69462.31	0.9088	Pulse	0.1000	3
Tl	205	209	He	0.018	ppb	15.3	173.34	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.100	ppb	8.9	1043.39	0.0075	Pulse	0.1000	3
U	238	209	He	0.033	ppb	17.4	353.35	0.0026	Pulse	0.1000	3

ISTD Table:

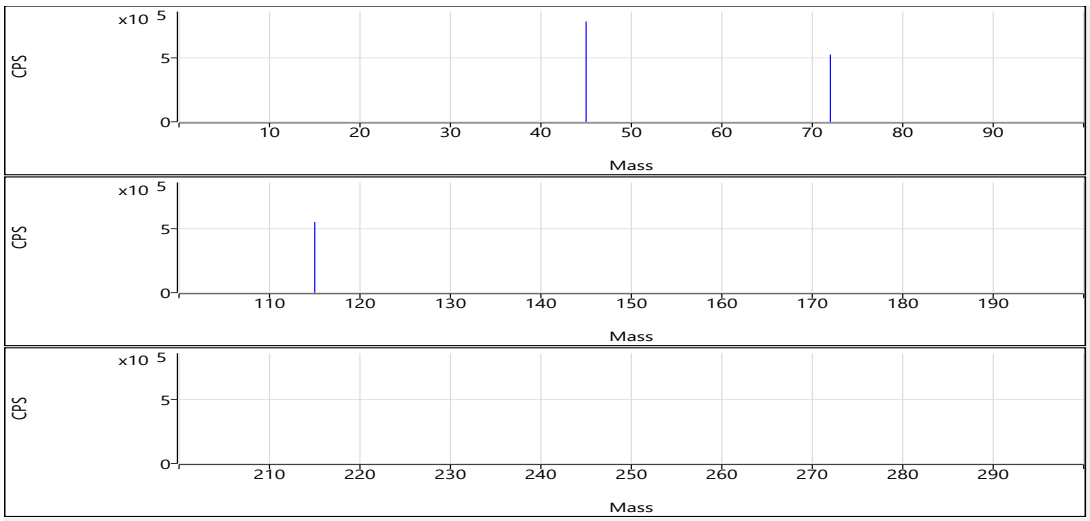
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	678628.90	0.5	99.3	Pulse	0.1000	3
No Gas	Ge	72	352926.16	0.8	97.6	Pulse	0.1000	3
H2	Sc	45	786215.72	0.1	101.6	Pulse	0.1000	3
H2	Ge	72	527134.90	0.5	96.9	Pulse	0.1000	3
H2	In	115	554361.23	1.1	100.5	Pulse	0.1000	3
He	Sc	45	55994.55	1.3	100.3	Pulse	0.1000	3
He	Ge	72	84420.89	1.6	94.5	Pulse	0.1000	3
He	In	115	76456.30	1.9	100.7	Pulse	0.1000	3
He	Tb	159	224165.81	0.4	102.0	Pulse	0.1000	3
He	Bi	209	138290.28	0.3	100.4	Pulse	0.1000	3

No Gas

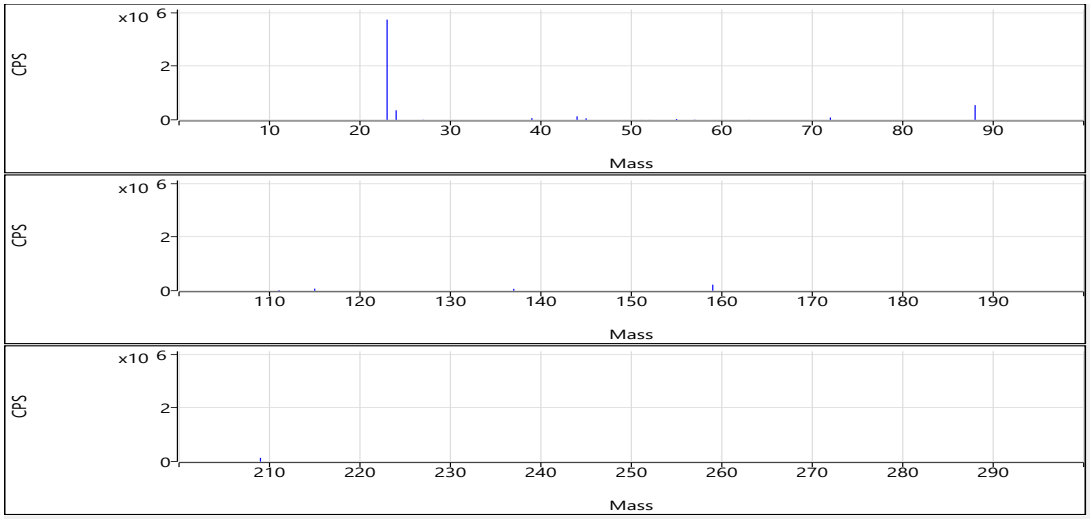


H2



Quantitation Report

He



Quantitation Report

Data File Name	094SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:02:46
Sample Name	410-236109-M-1-A
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

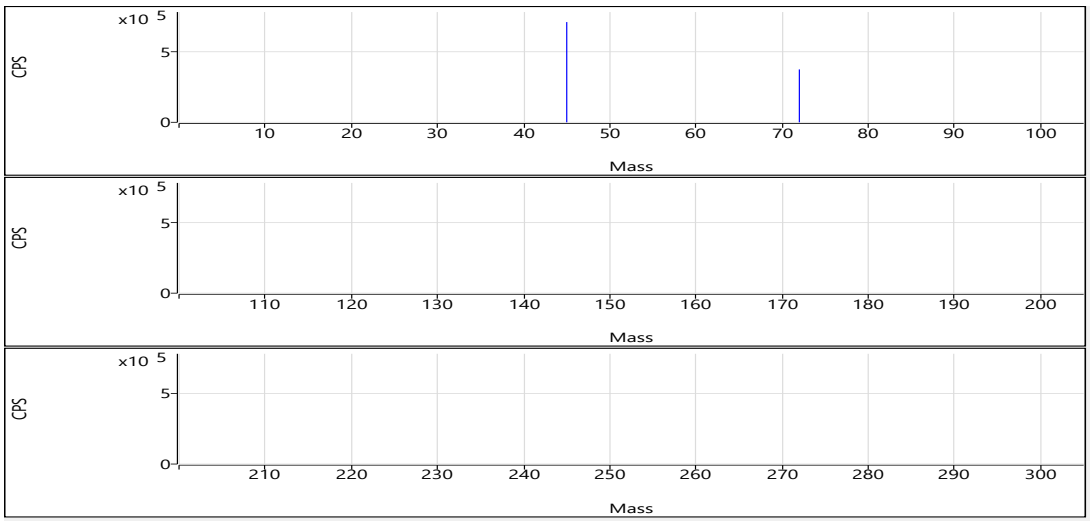
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.070	ppb	N/A	9.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.063	ppb	20.0	21.78	0.0000	Pulse	1.5000	3
Na	23	45	He	27006.055	ppb	1.3	6014187.83	106.0369	Analog	0.1000	3
Mg	24	45	He	3590.158	ppb	1.9	406021.69	7.1581	Pulse	0.1000	3
Al	27	45	He	16.068	ppb	17.4	786.71	0.0139	Pulse	0.1000	3
K	39	45	He	934.204	ppb	1.5	127626.03	2.2498	Pulse	0.1000	3
Ca	44	45	He	33901.886	ppb	0.9	190059.93	3.3509	Pulse	0.1000	3
Ti	47	45	He	0.938	ppb	27.7	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	0.244	ppb	18.9	1316.07	0.0232	Pulse	0.5000	3
Cr	52	72	He	-0.023	ppb	N/A	1956.87	0.0219	Pulse	0.1000	3
Mn	55	45	He	88.183	ppb	2.4	78217.18	1.3793	Pulse	0.1000	3
Fe	57	45	He	445.273	ppb	1.2	16082.70	0.2836	Pulse	0.1000	3
Co	59	72	He	0.138	ppb	20.8	623.37	0.0070	Pulse	0.1000	3
Ni	60	115	He	1.575	ppb	9.5	2553.64	0.0330	Pulse	0.1000	3
Cu	63	115	He	22.236	ppb	1.2	55467.30	0.7175	Pulse	0.1000	3
Zn	66	72	He	27.409	ppb	2.4	8002.48	0.0895	Pulse	0.1000	3
As	75	72	He	0.589	ppb	17.2	190.67	0.0021	Pulse	0.5000	3
Sr	88	72	He	133.246	ppb	1.0	157948.94	1.7670	Pulse	0.1000	3
Mo	98	72	He	0.260	ppb	30.7	530.03	0.0059	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	119.1	53.33	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	55.4	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.570	ppb	N/A	3540.60	0.0458	Pulse	0.1000	3
Sb	121	115	He	0.033	ppb	74.6	66.67	0.0009	Pulse	0.1000	3
Ba	137	115	He	43.844	ppb	2.3	21200.30	0.2743	Pulse	0.1000	3
Tl	205	209	He	0.027	ppb	26.6	220.01	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.269	ppb	2.2	2310.17	0.0166	Pulse	0.1000	3
U	238	209	He	0.445	ppb	3.2	3353.90	0.0242	Pulse	0.1000	3

ISTD Table:

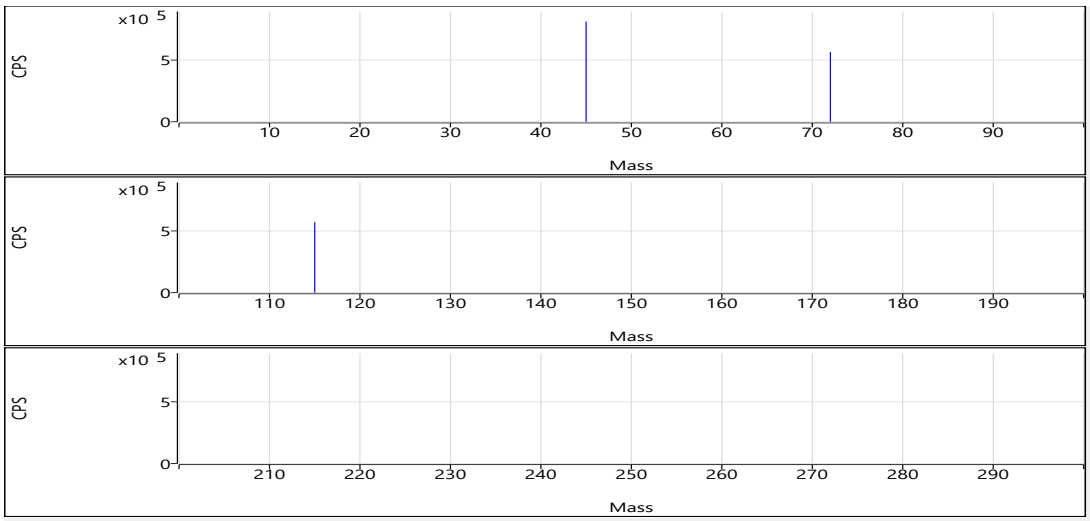
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712944.81	0.9	104.3	Pulse	0.1000	3
No Gas	Ge	72	376069.93	0.2	104.0	Pulse	0.1000	3
H2	Sc	45	804709.16	0.7	104.0	Pulse	0.1000	3
H2	Ge	72	561041.93	0.4	103.1	Pulse	0.1000	3
H2	In	115	565942.38	0.4	102.6	Pulse	0.1000	3
He	Sc	45	56724.41	2.0	101.6	Pulse	0.1000	3
He	Ge	72	89394.20	1.2	100.1	Pulse	0.1000	3
He	In	115	77303.83	1.5	101.8	Pulse	0.1000	3
He	Tb	159	223919.51	0.8	101.9	Pulse	0.1000	3
He	Bi	209	138782.56	1.6	100.7	Pulse	0.1000	3

No Gas

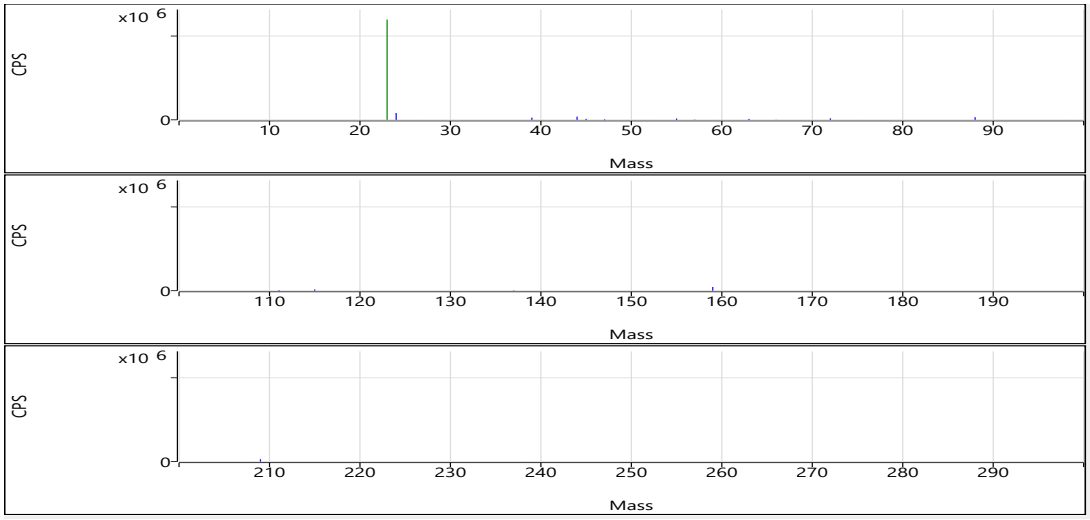


H2



Quantitation Report

He



Quantitation Report

Data File Name	095SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:04:52
Sample Name	410-236111-M-1-A
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

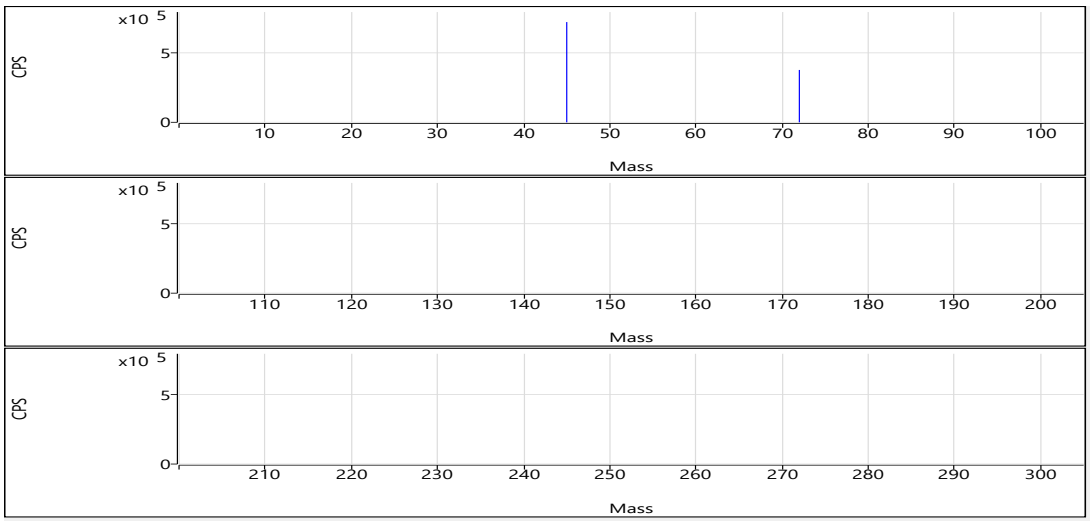
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.067	ppb	N/A	10.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.067	ppb	28.2	22.00	0.0000	Pulse	1.5000	3
Na	23	45	He	16751.097	ppb	1.0	3703759.84	65.8731	Pulse	0.1000	3
Mg	24	45	He	3777.282	ppb	1.3	423412.35	7.5306	Pulse	0.1000	3
Al	27	45	He	21.839	ppb	56.0	1010.58	0.0179	Pulse	0.1000	3
K	39	45	He	838.866	ppb	2.0	116522.41	2.0724	Pulse	0.1000	3
Ca	44	45	He	33893.510	ppb	0.6	188366.92	3.3501	Pulse	0.1000	3
Ti	47	45	He	1.033	ppb	15.0	43.33	0.0008	Pulse	0.1000	3
V	51	45	He	0.440	ppb	2.8	1594.10	0.0284	Pulse	0.5000	3
Cr	52	72	He	0.260	ppb	16.8	2433.62	0.0275	Pulse	0.1000	3
Mn	55	45	He	3.239	ppb	5.6	3093.79	0.0550	Pulse	0.1000	3
Fe	57	45	He	40.517	ppb	6.9	1670.16	0.0297	Pulse	0.1000	3
Co	59	72	He	0.050	ppb	37.7	340.02	0.0038	Pulse	0.1000	3
Ni	60	115	He	-0.070	ppb	N/A	1063.41	0.0139	Pulse	0.1000	3
Cu	63	115	He	5.489	ppb	2.5	13753.58	0.1796	Pulse	0.1000	3
Zn	66	72	He	27.348	ppb	3.8	7892.41	0.0893	Pulse	0.1000	3
As	75	72	He	0.250	ppb	23.0	113.33	0.0013	Pulse	0.5000	3
Sr	88	72	He	113.489	ppb	1.1	133051.11	1.5055	Pulse	0.1000	3
Mo	98	72	He	0.368	ppb	7.6	720.04	0.0081	Pulse	0.1000	3
Ag	107	115	He	0.000	ppb	N/A	33.33	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	57.2	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.590	ppb	N/A	3483.90	0.0455	Pulse	0.1000	3
Sb	121	115	He	0.074	ppb	45.8	120.00	0.0016	Pulse	0.1000	3
Ba	137	115	He	30.631	ppb	2.6	14705.05	0.1920	Pulse	0.1000	3
Tl	205	209	He	0.011	ppb	71.5	130.01	0.0009	Pulse	0.1000	3
Pb	208	209	He	0.092	ppb	10.0	980.05	0.0071	Pulse	0.1000	3
U	238	209	He	0.346	ppb	7.4	2620.36	0.0190	Pulse	0.1000	3

ISTD Table:

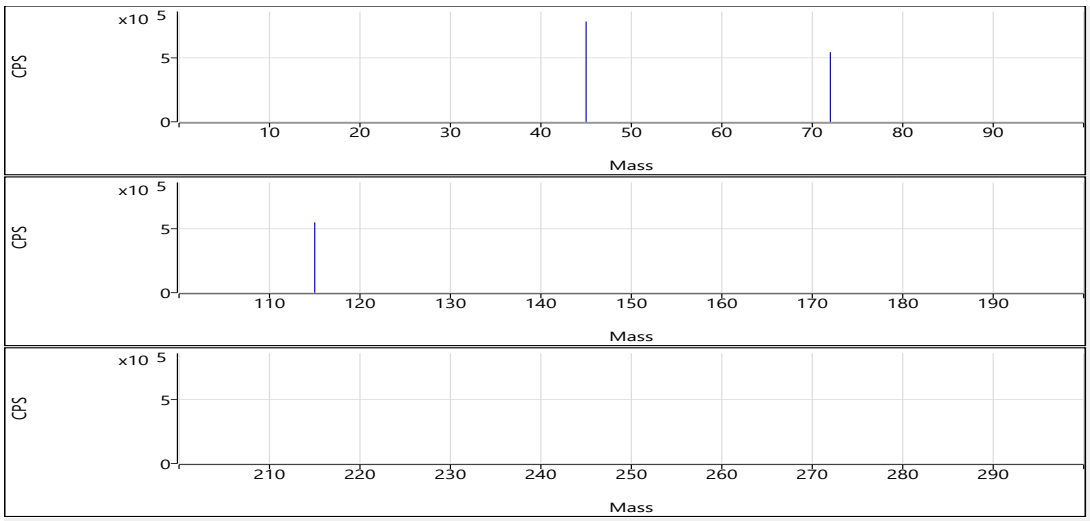
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	716236.37	1.3	104.8	Pulse	0.1000	3
No Gas	Ge	72	374074.49	0.5	103.4	Pulse	0.1000	3
H2	Sc	45	786931.31	0.5	101.7	Pulse	0.1000	3
H2	Ge	72	546695.07	0.4	100.5	Pulse	0.1000	3
H2	In	115	552133.28	0.4	100.1	Pulse	0.1000	3
He	Sc	45	56228.53	0.7	100.7	Pulse	0.1000	3
He	Ge	72	88377.41	0.5	99.0	Pulse	0.1000	3
He	In	115	76599.38	0.5	100.9	Pulse	0.1000	3
He	Tb	159	224070.08	1.0	101.9	Pulse	0.1000	3
He	Bi	209	138044.14	0.7	100.2	Pulse	0.1000	3

No Gas

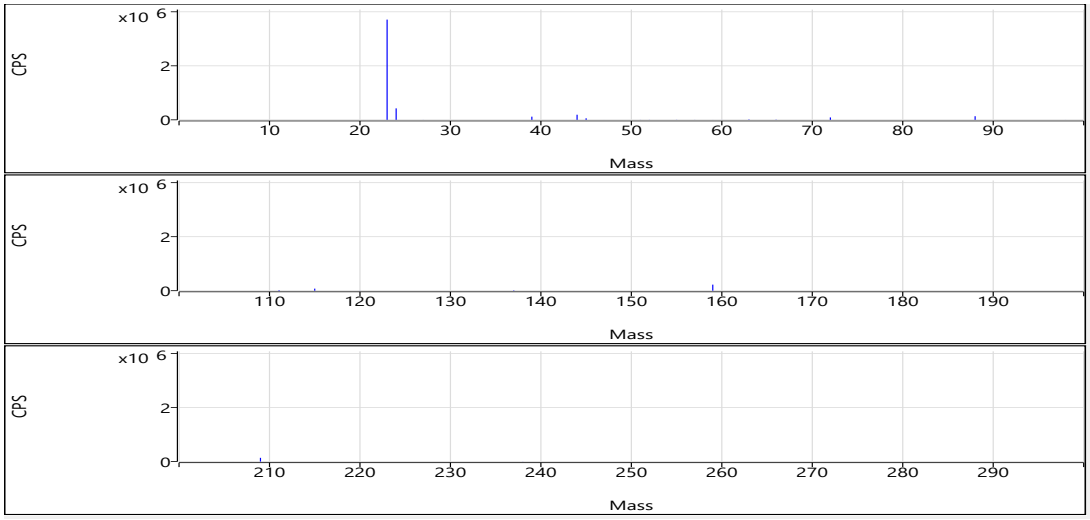


H2



Quantitation Report

He



Quantitation Report

Data File Name	096SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:06:58
Sample Name	410-236102-M-1-A
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

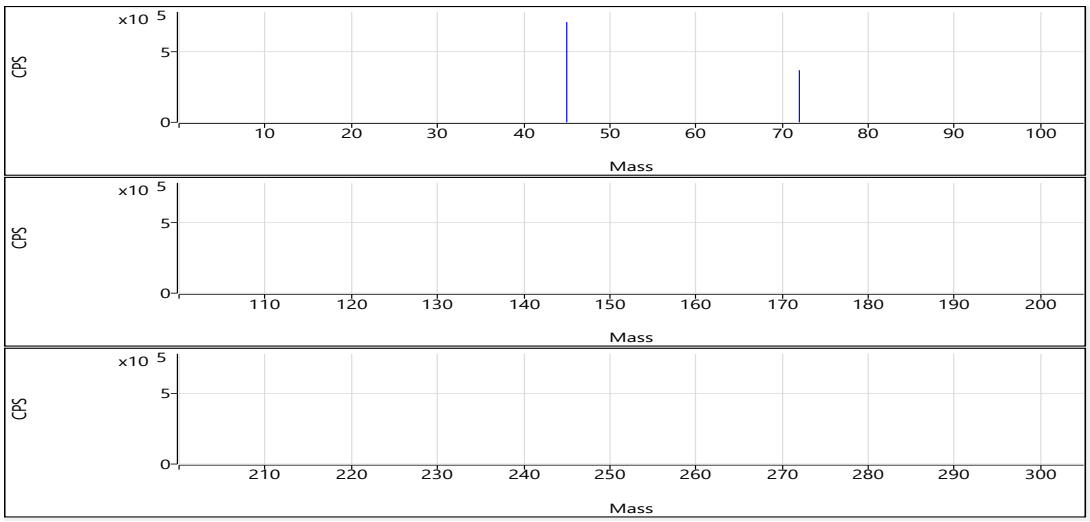
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.055	ppb	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.026	ppb	62.9	13.33	0.0000	Pulse	1.5000	3
Na	23	45	He	18490.528	ppb	1.8	4061303.38	72.6856	Pulse	0.1000	3
Mg	24	45	He	5932.050	ppb	1.8	660460.26	11.8203	Pulse	0.1000	3
Al	27	45	He	1.681	ppb	81.5	213.34	0.0038	Pulse	0.1000	3
K	39	45	He	1360.506	ppb	2.7	170014.83	3.0430	Pulse	0.1000	3
Ca	44	45	He	49277.669	ppb	2.2	272017.80	4.8687	Pulse	0.1000	3
Ti	47	45	He	0.691	ppb	36.6	30.00	0.0005	Pulse	0.1000	3
V	51	45	He	0.016	ppb	142.5	962.71	0.0172	Pulse	0.5000	3
Cr	52	72	He	-0.041	ppb	N/A	1910.19	0.0215	Pulse	0.1000	3
Mn	55	45	He	77.333	ppb	2.5	67613.90	1.2102	Pulse	0.1000	3
Fe	57	45	He	8.924	ppb	10.9	553.37	0.0099	Pulse	0.1000	3
Co	59	72	He	0.115	ppb	19.5	546.70	0.0062	Pulse	0.1000	3
Ni	60	115	He	2.204	ppb	4.8	3100.44	0.0403	Pulse	0.1000	3
Cu	63	115	He	5.553	ppb	3.4	13960.52	0.1816	Pulse	0.1000	3
Zn	66	72	He	14.867	ppb	6.1	4350.86	0.0490	Pulse	0.1000	3
As	75	72	He	0.178	ppb	33.1	98.00	0.0011	Pulse	0.5000	3
Sr	88	72	He	493.692	ppb	0.3	580443.07	6.5380	Pulse	0.1000	3
Mo	98	72	He	1.695	ppb	6.0	3143.81	0.0354	Pulse	0.1000	3
Ag	107	115	He	0.002	ppb	279.5	40.00	0.0005	Pulse	0.1000	3
Cd	111	115	He	0.006	ppb	43.4	4.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.586	ppb	N/A	3500.57	0.0455	Pulse	0.1000	3
Sb	121	115	He	0.046	ppb	42.6	83.34	0.0011	Pulse	0.1000	3
Ba	137	115	He	174.515	ppb	0.6	83633.77	1.0880	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	13.6	366.69	0.0026	Pulse	0.1000	3
Pb	208	209	He	0.192	ppb	10.8	1733.45	0.0125	Pulse	0.1000	3
U	238	209	He	0.239	ppb	6.5	1853.54	0.0133	Pulse	0.1000	3

ISTD Table:

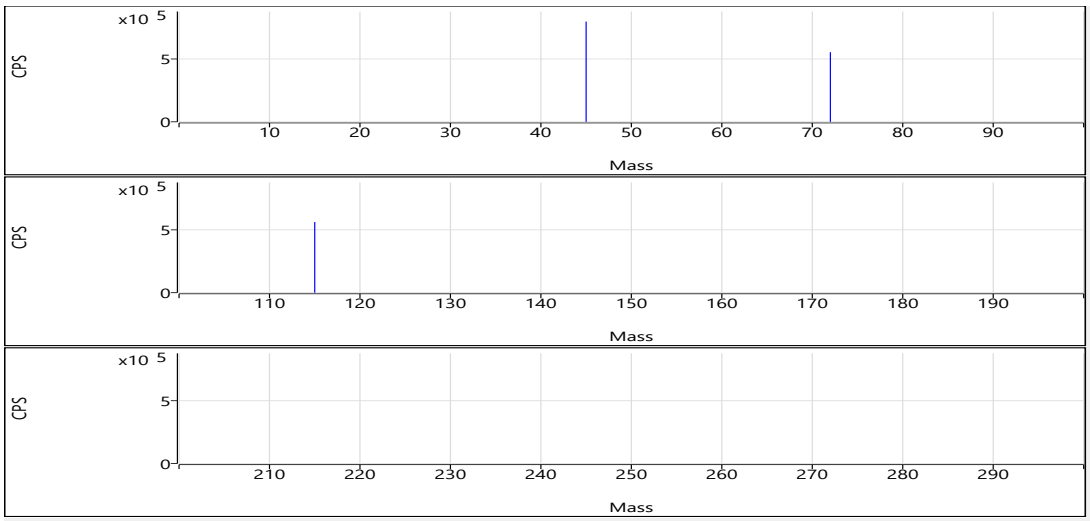
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712582.28	0.4	104.2	Pulse	0.1000	3
No Gas	Ge	72	370262.19	0.4	102.4	Pulse	0.1000	3
H2	Sc	45	795822.85	0.7	102.9	Pulse	0.1000	3
H2	Ge	72	553009.28	0.3	101.7	Pulse	0.1000	3
H2	In	115	560986.50	0.9	101.7	Pulse	0.1000	3
He	Sc	45	55884.38	1.7	100.1	Pulse	0.1000	3
He	Ge	72	88779.75	0.3	99.4	Pulse	0.1000	3
He	In	115	76867.68	0.4	101.2	Pulse	0.1000	3
He	Tb	159	224333.45	0.9	102.1	Pulse	0.1000	3
He	Bi	209	138835.28	0.6	100.8	Pulse	0.1000	3

No Gas

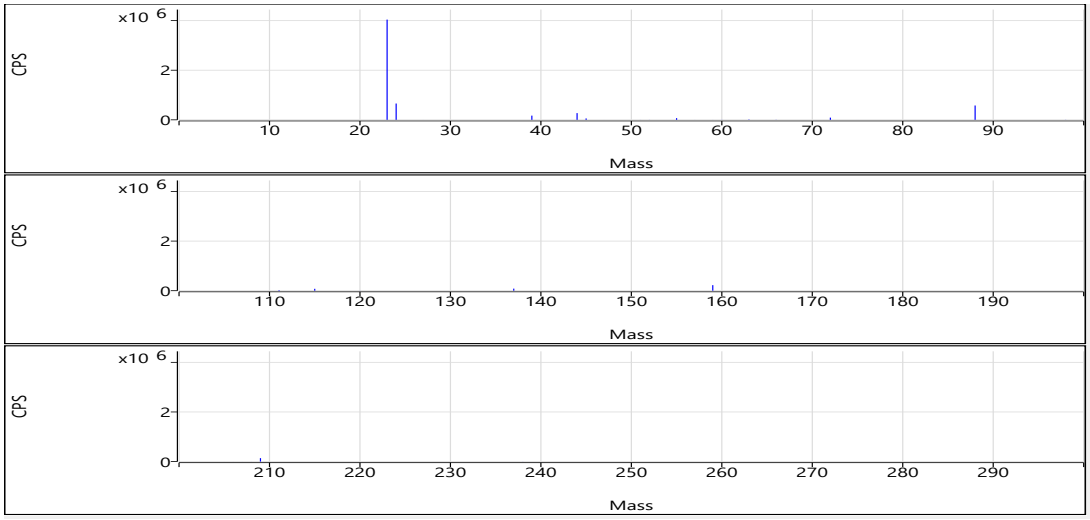


H2



Quantitation Report

He



Quantitation Report

Data File Name	097SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:09:05
Sample Name	410-236104-M-1-A
Sample Type	Sample
Comment	E24
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

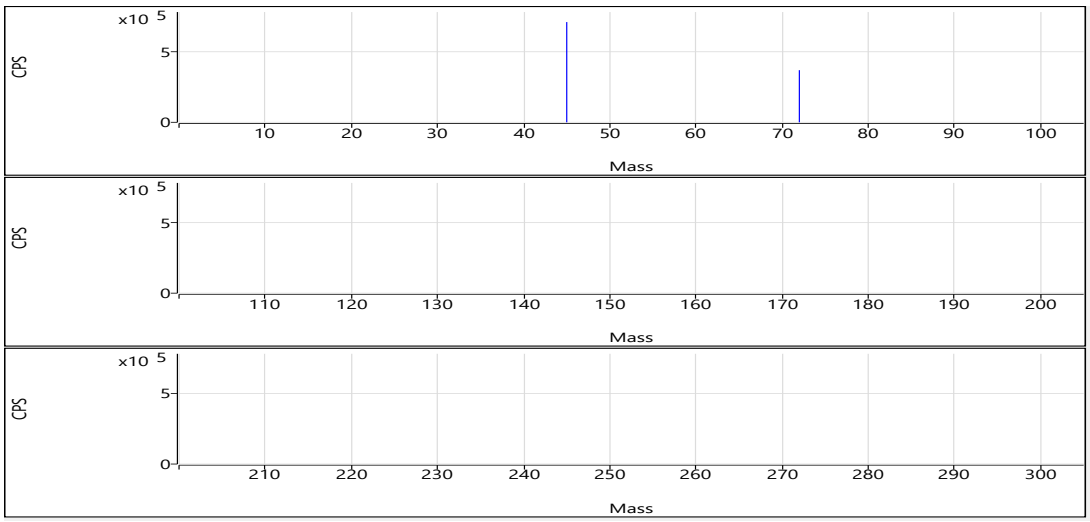
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.089	ppb	N/A	5.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.054	ppb	30.6	19.33	0.0000	Pulse	1.5000	3
Na	23	45	He	18911.786	ppb	2.3	4168732.23	74.3355	Mix	0.1000	3
Mg	24	45	He	5979.452	ppb	1.8	668199.63	11.9147	Pulse	0.1000	3
Al	27	45	He	3.378	ppb	24.7	280.01	0.0050	Pulse	0.1000	3
K	39	45	He	1348.558	ppb	1.0	169424.85	3.0208	Pulse	0.1000	3
Ca	44	45	He	49808.081	ppb	1.1	275992.36	4.9211	Pulse	0.1000	3
Ti	47	45	He	0.174	ppb	150.8	10.00	0.0002	Pulse	0.1000	3
V	51	45	He	-0.035	ppb	N/A	891.37	0.0159	Pulse	0.5000	3
Cr	52	72	He	-0.082	ppb	N/A	1860.19	0.0207	Pulse	0.1000	3
Mn	55	45	He	996.429	ppb	1.8	871499.28	15.5390	Pulse	0.1000	3
Fe	57	45	He	228.543	ppb	3.4	8279.34	0.1476	Pulse	0.1000	3
Co	59	72	He	3.318	ppb	4.0	10817.76	0.1206	Pulse	0.1000	3
Ni	60	115	He	1.363	ppb	6.9	2363.61	0.0305	Pulse	0.1000	3
Cu	63	115	He	51.043	ppb	1.0	127155.57	1.6429	Pulse	0.1000	3
Zn	66	72	He	26.882	ppb	5.1	7872.41	0.0878	Pulse	0.1000	3
As	75	72	He	1.428	ppb	8.0	380.01	0.0042	Pulse	0.5000	3
Sr	88	72	He	490.894	ppb	1.3	583220.25	6.5010	Pulse	0.1000	3
Mo	98	72	He	5.036	ppb	4.3	9336.68	0.1040	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	76.4	70.00	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.009	ppb	135.3	6.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.287	ppb	N/A	3967.36	0.0513	Pulse	0.1000	3
Sb	121	115	He	0.063	ppb	46.2	106.67	0.0014	Pulse	0.1000	3
Ba	137	115	He	214.455	ppb	2.2	103450.21	1.3367	Pulse	0.1000	3
Tl	205	209	He	0.026	ppb	23.3	220.01	0.0016	Pulse	0.1000	3
Pb	208	209	He	1.489	ppb	4.3	11512.38	0.0825	Pulse	0.1000	3
U	238	209	He	1.121	ppb	6.2	8302.96	0.0595	Pulse	0.1000	3

ISTD Table:

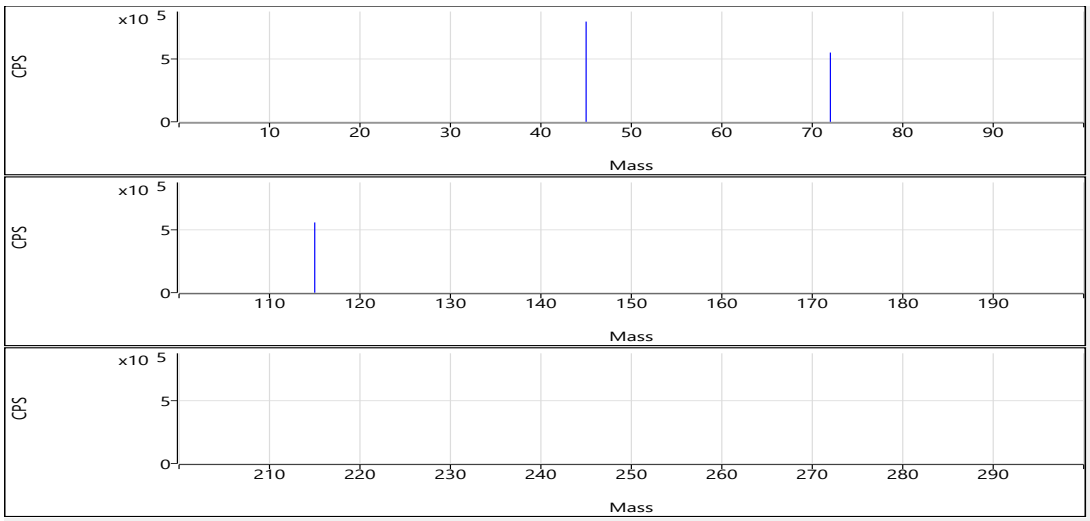
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	710903.38	1.0	104.0	Pulse	0.1000	3
No Gas	Ge	72	369661.74	1.8	102.2	Pulse	0.1000	3
H2	Sc	45	796571.29	0.2	103.0	Pulse	0.1000	3
H2	Ge	72	550423.26	0.7	101.2	Pulse	0.1000	3
H2	In	115	558217.29	0.1	101.2	Pulse	0.1000	3
He	Sc	45	56088.24	1.2	100.5	Pulse	0.1000	3
He	Ge	72	89719.18	2.1	100.5	Pulse	0.1000	3
He	In	115	77406.99	2.1	101.9	Pulse	0.1000	3
He	Tb	159	225914.52	1.9	102.8	Pulse	0.1000	3
He	Bi	209	139503.66	1.2	101.3	Pulse	0.1000	3

No Gas

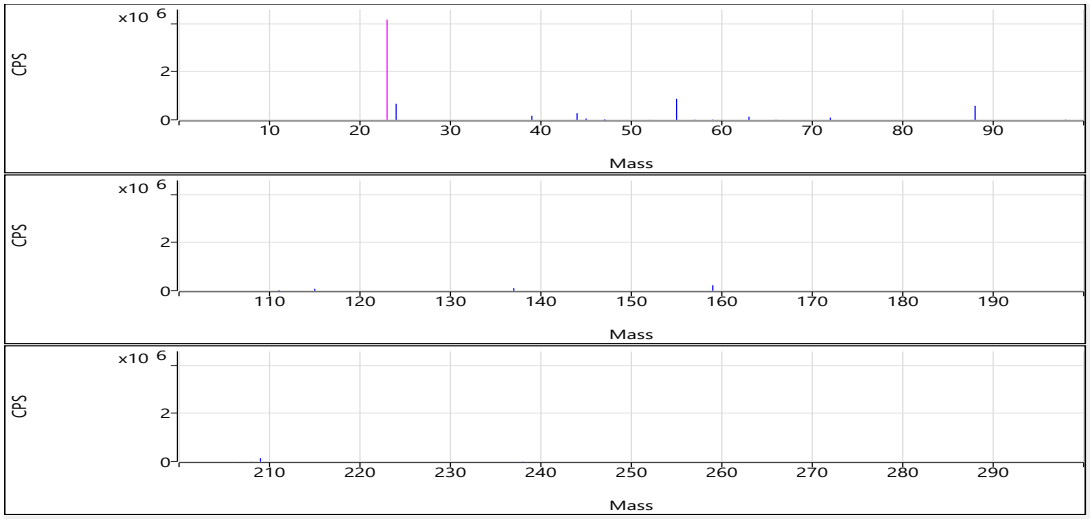


H2



Quantitation Report

He



Quantitation Report

Data File Name	099_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:13:17
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

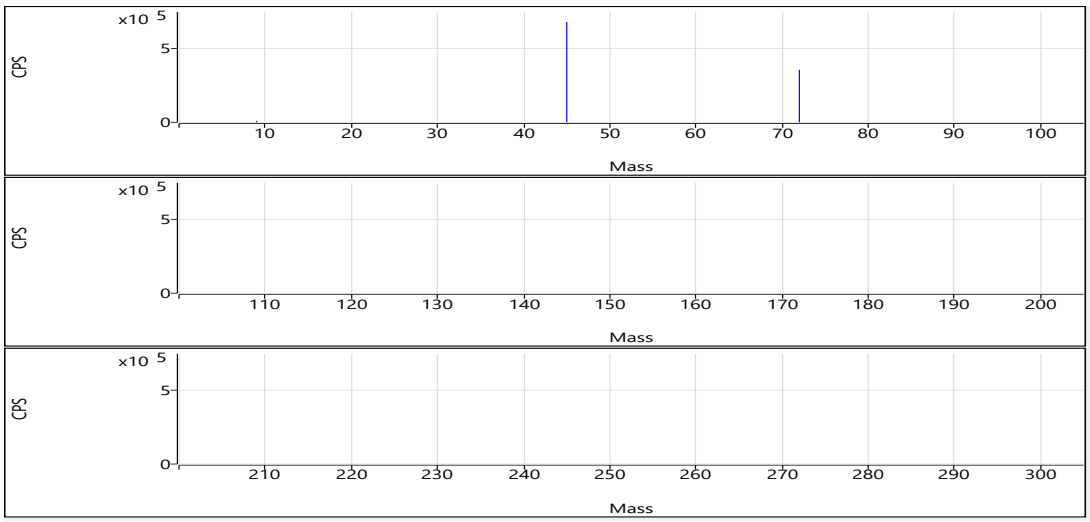
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.453	ppb	1.7	9645.81	0.0142	Pulse	0.5000	3
Se	78	72	H2	51.491	ppb	1.1	10772.91	0.0204	Pulse	1.5000	3
Na	23	45	He	5152.213	ppb	2.5	1096105.76	20.4457	Pulse	0.1000	3
Mg	24	45	He	5112.088	ppb	2.6	546161.79	10.1880	Pulse	0.1000	3
Al	27	45	He	5139.666	ppb	1.7	193233.42	3.6040	Pulse	0.1000	3
K	39	45	He	5149.042	ppb	2.0	541097.16	10.0923	Pulse	0.1000	3
Ca	44	45	He	5050.983	ppb	1.0	26975.47	0.5031	Pulse	0.1000	3
Ti	47	45	He	5099.016	ppb	2.7	188213.01	3.5110	Pulse	0.1000	3
V	51	45	He	514.760	ppb	2.7	724278.46	13.5107	Pulse	0.5000	3
Cr	52	72	He	519.282	ppb	0.8	886188.74	10.3986	Pulse	0.1000	3
Mn	55	45	He	514.217	ppb	2.7	430006.23	8.0212	Pulse	0.1000	3
Fe	57	45	He	5055.677	ppb	1.5	170230.47	3.1749	Pulse	0.1000	3
Co	59	72	He	522.268	ppb	0.1	1590910.91	18.6678	Pulse	0.1000	3
Ni	60	115	He	505.196	ppb	2.8	437594.17	5.8904	Pulse	0.1000	3
Cu	63	115	He	508.191	ppb	2.3	1213065.95	16.3279	Pulse	0.1000	3
Zn	66	72	He	517.108	ppb	2.0	142369.76	1.6706	Pulse	0.1000	3
As	75	72	He	519.004	ppb	0.3	110976.66	1.3022	Pulse	0.5000	3
Sr	88	72	He	51.161	ppb	2.1	57992.34	0.6805	Pulse	0.1000	3
Mo	98	72	He	51.814	ppb	0.8	90751.12	1.0649	Pulse	0.1000	3
Ag	107	115	He	50.660	ppb	2.5	174474.03	2.3485	Pulse	0.1000	3
Cd	111	115	He	50.388	ppb	2.9	21868.38	0.2943	Pulse	0.5000	3
Sn	120	115	He	50.857	ppb	2.3	76561.17	1.0305	Pulse	0.1000	3
Sb	121	115	He	50.241	ppb	1.8	63662.46	0.8567	Pulse	0.1000	3
Ba	137	115	He	508.843	ppb	1.8	235529.74	3.1700	Pulse	0.1000	3
Tl	205	209	He	51.050	ppb	1.1	280786.21	2.0713	Pulse	0.1000	3
Pb	208	209	He	50.704	ppb	1.6	371439.20	2.7401	Pulse	0.1000	3
U	238	209	He	50.528	ppb	1.4	358862.68	2.6471	Pulse	0.1000	3

ISTD Table:

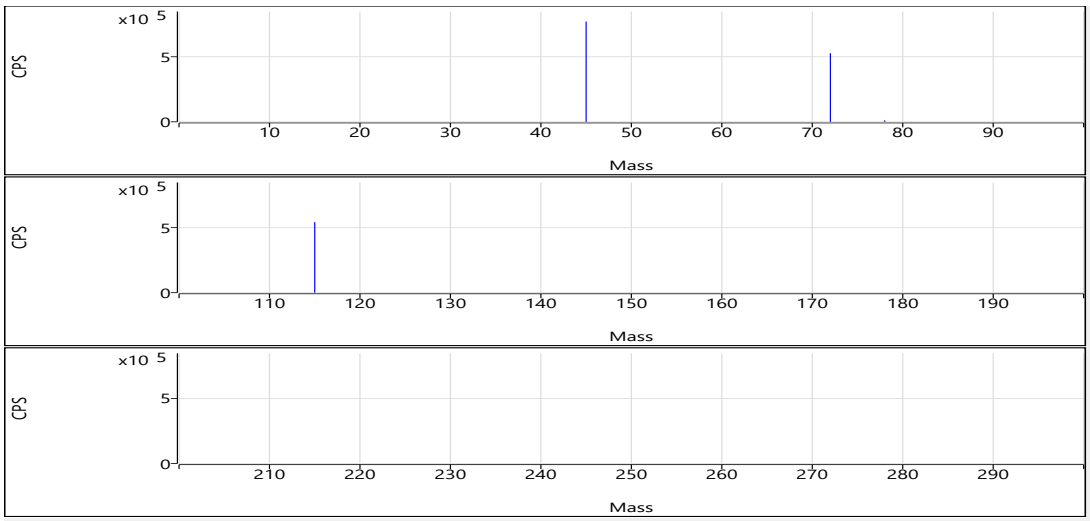
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	677012.93	0.1	99.0	Pulse	0.1000	3
No Gas	Ge	72	354691.37	1.1	98.1	Pulse	0.1000	3
H2	Sc	45	771128.11	0.6	99.7	Pulse	0.1000	3
H2	Ge	72	527739.33	0.4	97.0	Pulse	0.1000	3
H2	In	115	542634.88	0.5	98.4	Pulse	0.1000	3
He	Sc	45	53628.86	2.2	96.1	Pulse	0.1000	3
He	Ge	72	85222.21	0.3	95.4	Pulse	0.1000	3
He	In	115	74317.31	2.0	97.9	Pulse	0.1000	3
He	Tb	159	219355.65	0.2	99.8	Pulse	0.1000	3
He	Bi	209	135572.95	1.4	98.4	Pulse	0.1000	3

No Gas

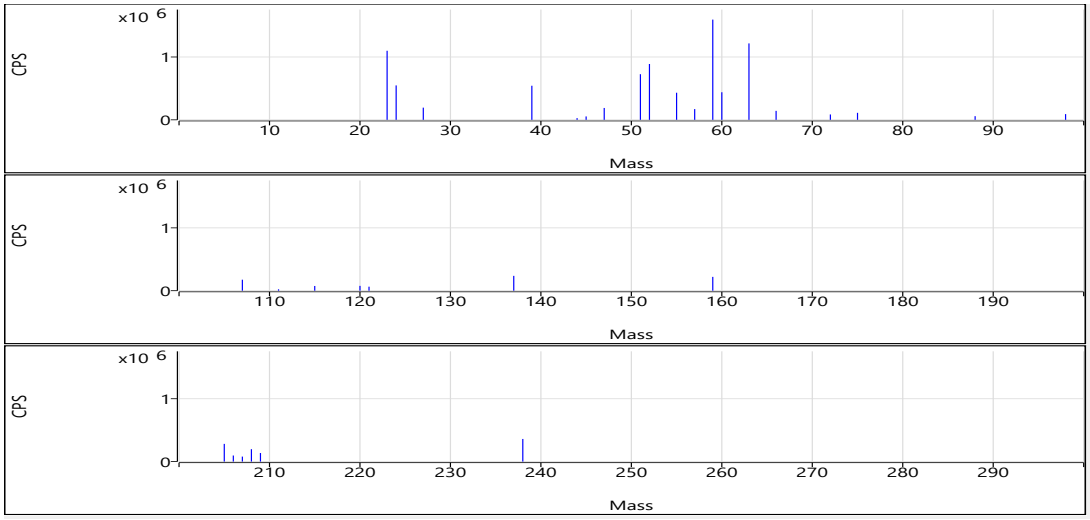


H2



Quantitation Report

He



Quantitation Report

Data File Name	101_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:17:29
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

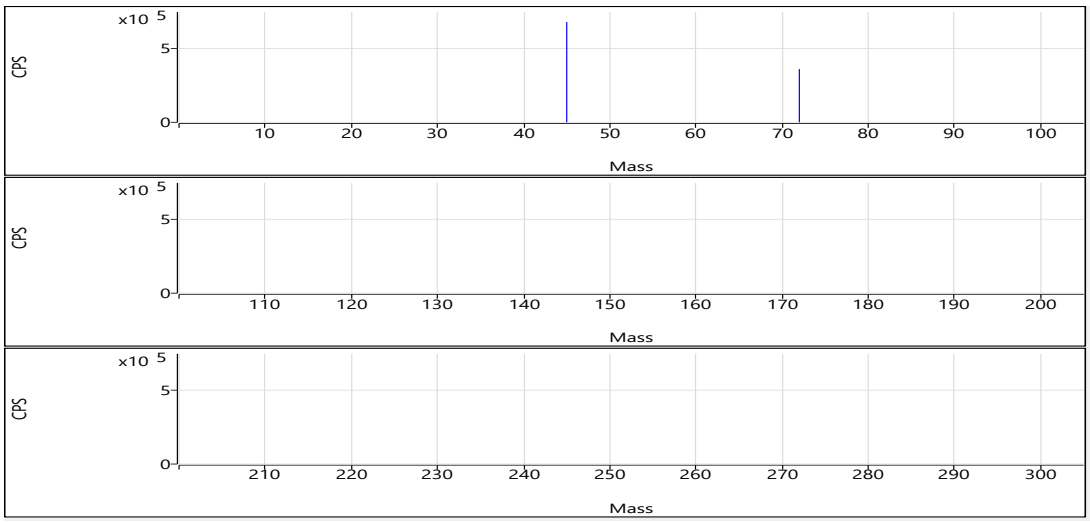
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.042	ppb	N/A	14.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.103	ppb	31.4	29.78	0.0001	Pulse	1.5000	3
Na	23	45	He	53.627	ppb	3.4	26490.79	0.4770	Pulse	0.1000	3
Mg	24	45	He	9.587	ppb	13.1	1660.15	0.0299	Pulse	0.1000	3
Al	27	45	He	0.718	ppb	159.4	173.34	0.0031	Pulse	0.1000	3
K	39	45	He	14.450	ppb	108.7	29911.22	0.5384	Pulse	0.1000	3
Ca	44	45	He	35.286	ppb	67.8	443.36	0.0080	Pulse	0.1000	3
Ti	47	45	He	2.443	ppb	7.9	96.67	0.0017	Pulse	0.1000	3
V	51	45	He	0.193	ppb	22.5	1216.06	0.0219	Pulse	0.5000	3
Cr	52	72	He	0.162	ppb	66.7	2243.59	0.0256	Pulse	0.1000	3
Mn	55	45	He	0.390	ppb	9.9	590.03	0.0106	Pulse	0.1000	3
Fe	57	45	He	-0.818	ppb	N/A	210.01	0.0038	Pulse	0.1000	3
Co	59	72	He	0.147	ppb	22.2	640.04	0.0073	Pulse	0.1000	3
Ni	60	115	He	0.009	ppb	1105.2	1126.75	0.0148	Pulse	0.1000	3
Cu	63	115	He	0.131	ppb	29.5	566.70	0.0075	Pulse	0.1000	3
Zn	66	72	He	0.217	ppb	22.7	150.01	0.0017	Pulse	0.1000	3
As	75	72	He	0.321	ppb	40.2	128.00	0.0015	Pulse	0.5000	3
Sr	88	72	He	0.387	ppb	11.6	740.05	0.0084	Pulse	0.1000	3
Mo	98	72	He	0.077	ppb	15.0	190.01	0.0022	Pulse	0.1000	3
Ag	107	115	He	0.006	ppb	104.8	53.33	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.006	ppb	118.2	4.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.082	ppb	248.1	4434.21	0.0583	Pulse	0.1000	3
Sb	121	115	He	0.093	ppb	61.5	143.34	0.0019	Pulse	0.1000	3
Ba	137	115	He	0.346	ppb	65.5	256.68	0.0034	Pulse	0.1000	3
Tl	205	209	He	0.054	ppb	12.9	380.02	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	1712.3	300.01	0.0021	Pulse	0.1000	3
U	238	209	He	0.019	ppb	41.4	260.01	0.0019	Pulse	0.1000	3

ISTD Table:

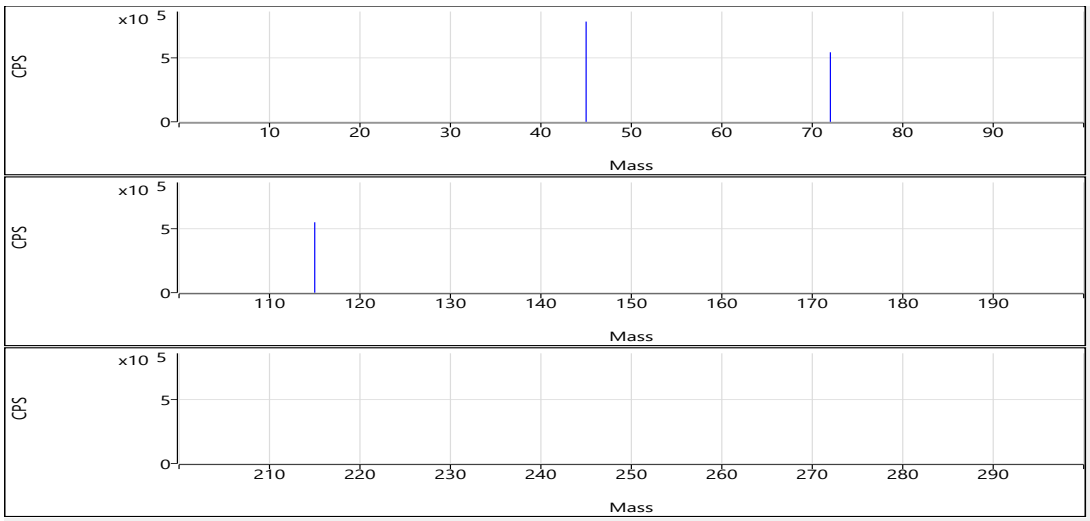
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	674752.62	0.6	98.7	Pulse	0.1000	3
No Gas	Ge	72	358262.18	0.7	99.0	Pulse	0.1000	3
H2	Sc	45	784616.52	1.0	101.4	Pulse	0.1000	3
H2	Ge	72	544311.93	0.9	100.1	Pulse	0.1000	3
H2	In	115	551243.26	1.6	99.9	Pulse	0.1000	3
He	Sc	45	55546.24	2.1	99.5	Pulse	0.1000	3
He	Ge	72	87744.69	2.2	98.2	Pulse	0.1000	3
He	In	115	76059.35	1.9	100.2	Pulse	0.1000	3
He	Tb	159	225644.59	1.7	102.7	Pulse	0.1000	3
He	Bi	209	139950.66	1.1	101.6	Pulse	0.1000	3

No Gas

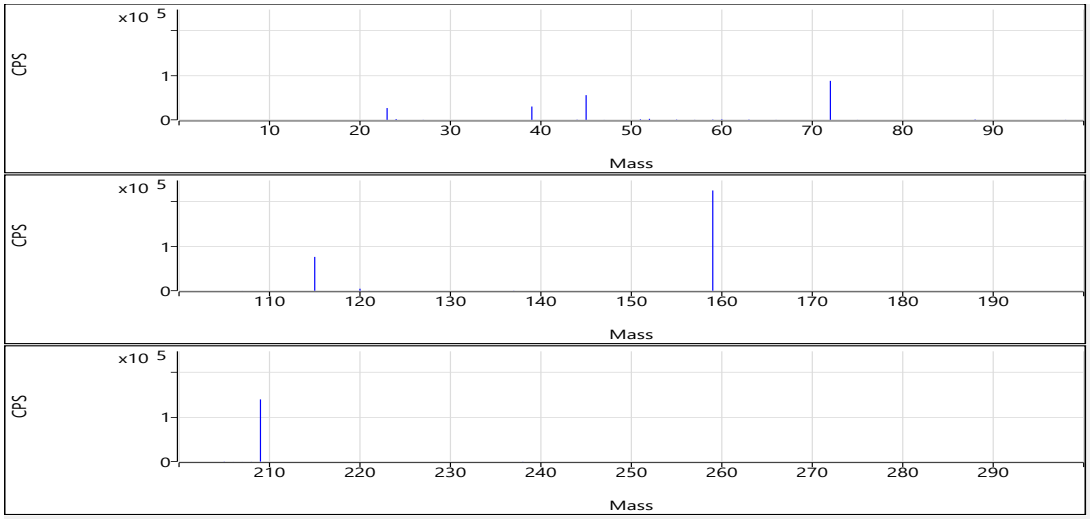


H2



Quantitation Report

He



Quantitation Report

Data File Name	102SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:19:35
Sample Name	410-234466-L-2-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

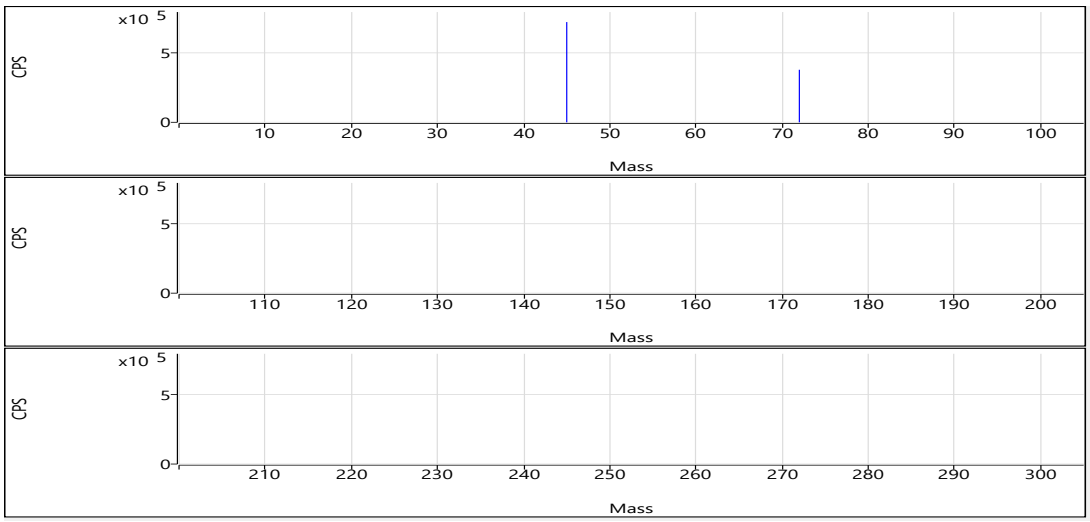
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.025	ppb	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.036	ppb	17.5	16.00	0.0000	Pulse	1.5000	3
Na	23	45	He	3836.338	ppb	0.4	895213.84	15.2921	Pulse	0.1000	3
Mg	24	45	He	1095.519	ppb	0.2	128306.72	2.1918	Pulse	0.1000	3
Al	27	45	He	3.088	ppb	42.7	280.01	0.0048	Pulse	0.1000	3
K	39	45	He	1441.103	ppb	1.4	186940.83	3.1930	Pulse	0.1000	3
Ca	44	45	He	5067.160	ppb	0.3	29543.98	0.5047	Pulse	0.1000	3
Ti	47	45	He	0.907	ppb	55.6	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	0.025	ppb	132.8	1022.05	0.0175	Pulse	0.5000	3
Cr	52	72	He	-0.097	ppb	N/A	1900.19	0.0204	Pulse	0.1000	3
Mn	55	45	He	1320.185	ppb	0.6	1205101.41	20.5864	Pulse	0.1000	3
Fe	57	45	He	9645.885	ppb	1.1	354359.80	6.0536	Pulse	0.1000	3
Co	59	72	He	1.456	ppb	2.9	5044.40	0.0541	Pulse	0.1000	3
Ni	60	115	He	1.113	ppb	18.2	2230.26	0.0276	Pulse	0.1000	3
Cu	63	115	He	0.182	ppb	19.1	733.38	0.0091	Pulse	0.1000	3
Zn	66	72	He	1.388	ppb	26.6	513.36	0.0055	Pulse	0.1000	3
As	75	72	He	14.046	ppb	0.4	3346.41	0.0359	Pulse	0.5000	3
Sr	88	72	He	46.536	ppb	0.9	57744.51	0.6193	Pulse	0.1000	3
Mo	98	72	He	1.721	ppb	3.0	3353.86	0.0359	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	21.1	63.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.018	ppb	26.8	10.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.586	ppb	N/A	3673.94	0.0455	Pulse	0.1000	3
Sb	121	115	He	0.055	ppb	23.3	100.00	0.0012	Pulse	0.1000	3
Ba	137	115	He	8.071	ppb	3.8	4154.10	0.0515	Pulse	0.1000	3
Tl	205	209	He	0.015	ppb	39.8	163.34	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.155	ppb	0.5	1550.10	0.0105	Pulse	0.1000	3
U	238	209	He	0.018	ppb	36.8	263.35	0.0018	Pulse	0.1000	3

ISTD Table:

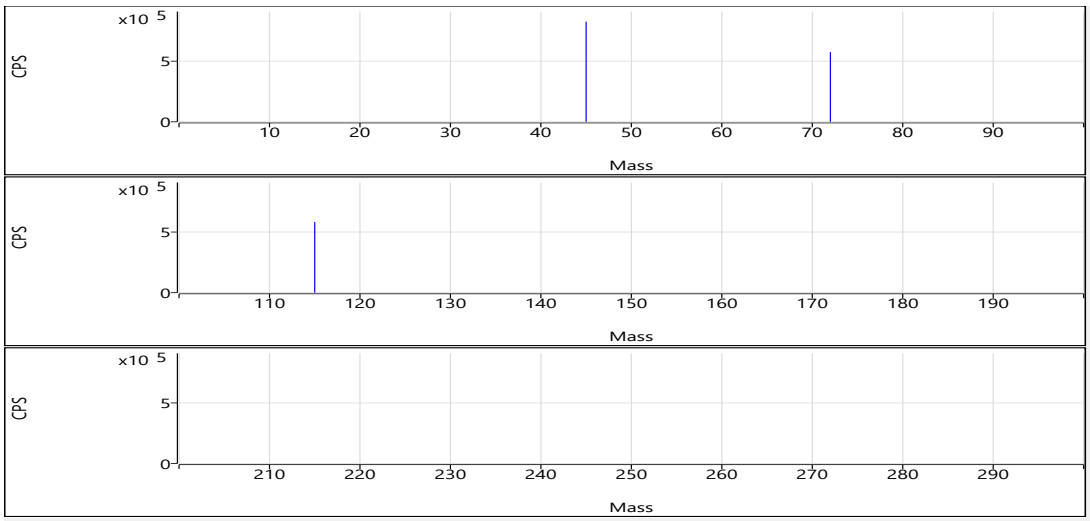
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	722130.82	0.5	105.6	Pulse	0.1000	3
No Gas	Ge	72	378543.29	1.0	104.7	Pulse	0.1000	3
H2	Sc	45	819251.24	1.3	105.9	Pulse	0.1000	3
H2	Ge	72	569927.48	1.0	104.8	Pulse	0.1000	3
H2	In	115	577381.24	0.5	104.7	Pulse	0.1000	3
He	Sc	45	58540.81	1.6	104.9	Pulse	0.1000	3
He	Ge	72	93258.29	2.4	104.4	Pulse	0.1000	3
He	In	115	80663.95	0.5	106.2	Pulse	0.1000	3
He	Tb	159	235614.84	1.2	107.2	Pulse	0.1000	3
He	Bi	209	147580.14	0.3	107.1	Pulse	0.1000	3

No Gas

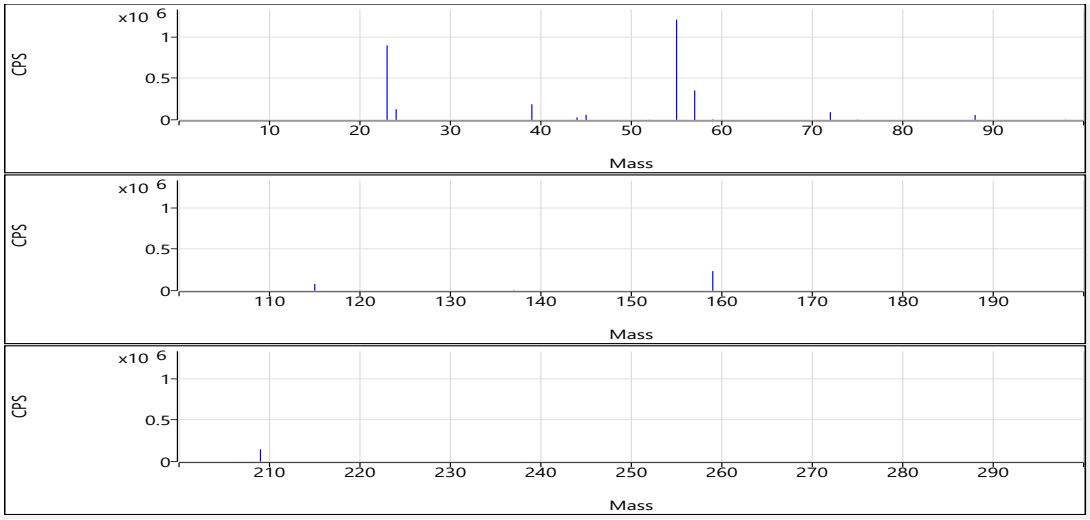


H2



Quantitation Report

He



Quantitation Report

Data File Name	103SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:21:43
Sample Name	410-234466-L-2-B DU
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

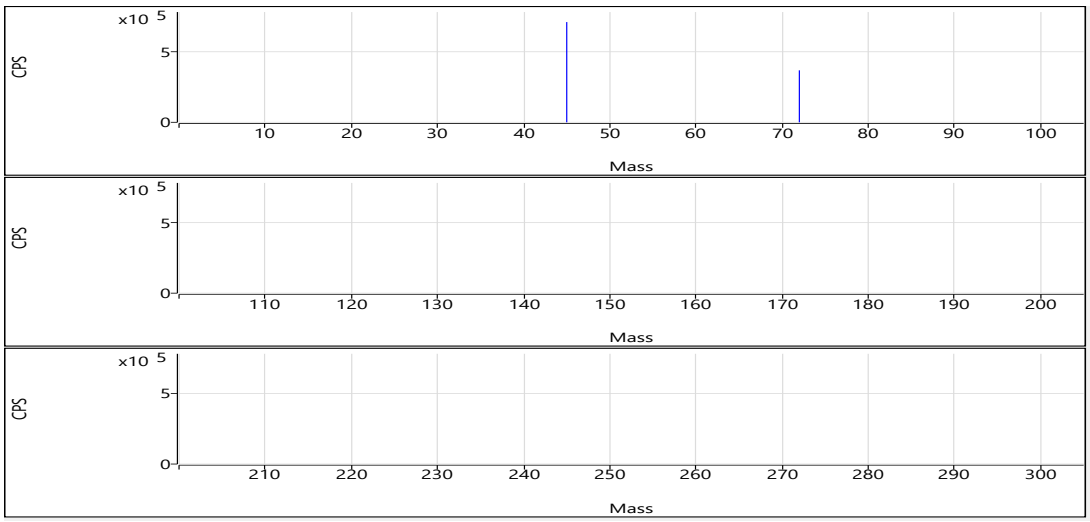
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ppb	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.045	ppb	51.1	17.78	0.0000	Pulse	1.5000	3
Na	23	45	He	3779.538	ppb	1.3	861824.91	15.0696	Pulse	0.1000	3
Mg	24	45	He	1078.280	ppb	0.9	123391.80	2.1575	Pulse	0.1000	3
Al	27	45	He	5.079	ppb	19.6	353.35	0.0062	Pulse	0.1000	3
K	39	45	He	1439.063	ppb	1.8	182381.94	3.1892	Pulse	0.1000	3
Ca	44	45	He	5034.938	ppb	0.9	28685.43	0.5015	Pulse	0.1000	3
Ti	47	45	He	1.269	ppb	12.9	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	-0.058	ppb	N/A	874.70	0.0153	Pulse	0.5000	3
Cr	52	72	He	0.003	ppb	3342.1	2000.20	0.0224	Pulse	0.1000	3
Mn	55	45	He	1304.485	ppb	1.1	1163354.36	20.3416	Pulse	0.1000	3
Fe	57	45	He	9590.573	ppb	1.1	344230.01	6.0189	Pulse	0.1000	3
Co	59	72	He	1.469	ppb	6.4	4874.33	0.0545	Pulse	0.1000	3
Ni	60	115	He	1.150	ppb	8.3	2183.57	0.0281	Pulse	0.1000	3
Cu	63	115	He	0.195	ppb	12.1	740.05	0.0095	Pulse	0.1000	3
Zn	66	72	He	0.948	ppb	20.7	363.35	0.0041	Pulse	0.1000	3
As	75	72	He	14.331	ppb	0.9	3271.06	0.0366	Pulse	0.5000	3
Sr	88	72	He	47.019	ppb	1.7	55914.18	0.6257	Pulse	0.1000	3
Mo	98	72	He	1.913	ppb	7.1	3560.58	0.0399	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	69.3	70.00	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.004	ppb	5.4	4.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.758	ppb	N/A	3290.51	0.0423	Pulse	0.1000	3
Sb	121	115	He	0.062	ppb	17.2	106.67	0.0014	Pulse	0.1000	3
Ba	137	115	He	7.724	ppb	3.8	3837.35	0.0493	Pulse	0.1000	3
Tl	205	209	He	0.017	ppb	77.4	173.34	0.0012	Pulse	0.1000	3
Pb	208	209	He	0.122	ppb	10.8	1246.74	0.0087	Pulse	0.1000	3
U	238	209	He	0.018	ppb	20.5	253.35	0.0018	Pulse	0.1000	3

ISTD Table:

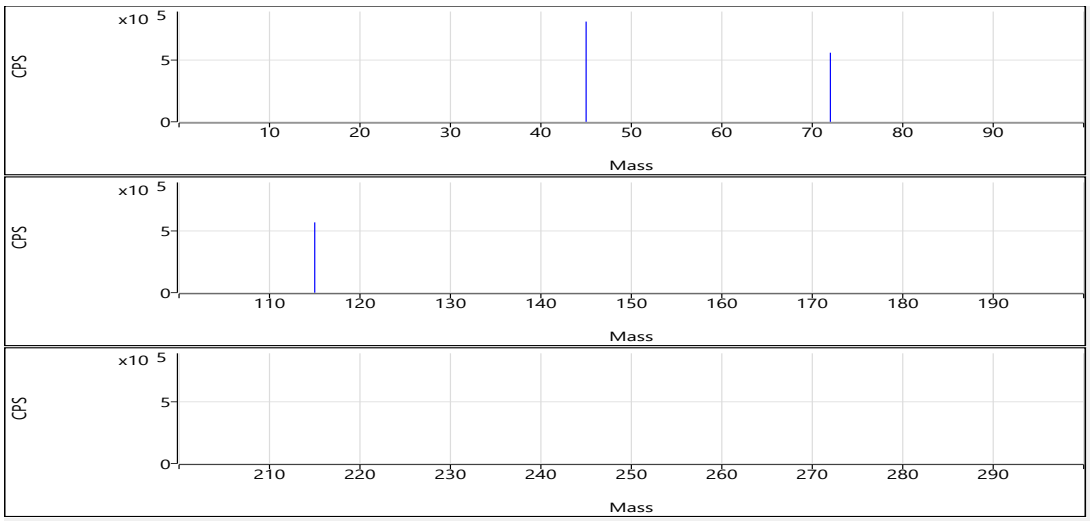
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	708267.65	0.7	103.6	Pulse	0.1000	3
No Gas	Ge	72	367191.23	0.6	101.5	Pulse	0.1000	3
H2	Sc	45	813047.67	0.8	105.1	Pulse	0.1000	3
H2	Ge	72	560540.55	0.7	103.0	Pulse	0.1000	3
H2	In	115	570362.20	0.7	103.4	Pulse	0.1000	3
He	Sc	45	57202.51	2.7	102.5	Pulse	0.1000	3
He	Ge	72	89370.30	2.4	100.1	Pulse	0.1000	3
He	In	115	77787.96	2.6	102.4	Pulse	0.1000	3
He	Tb	159	226044.83	2.1	102.8	Pulse	0.1000	3
He	Bi	209	142875.90	1.5	103.7	Pulse	0.1000	3

No Gas

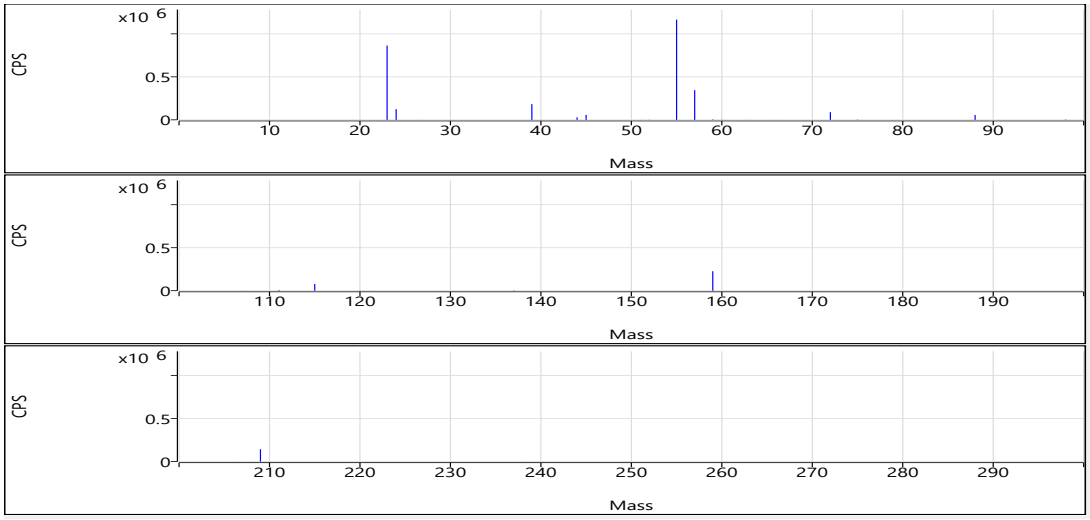


H2



Quantitation Report

He



Quantitation Report

Data File Name	104SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:23:49
Sample Name	410-234466-L-2-C MS
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

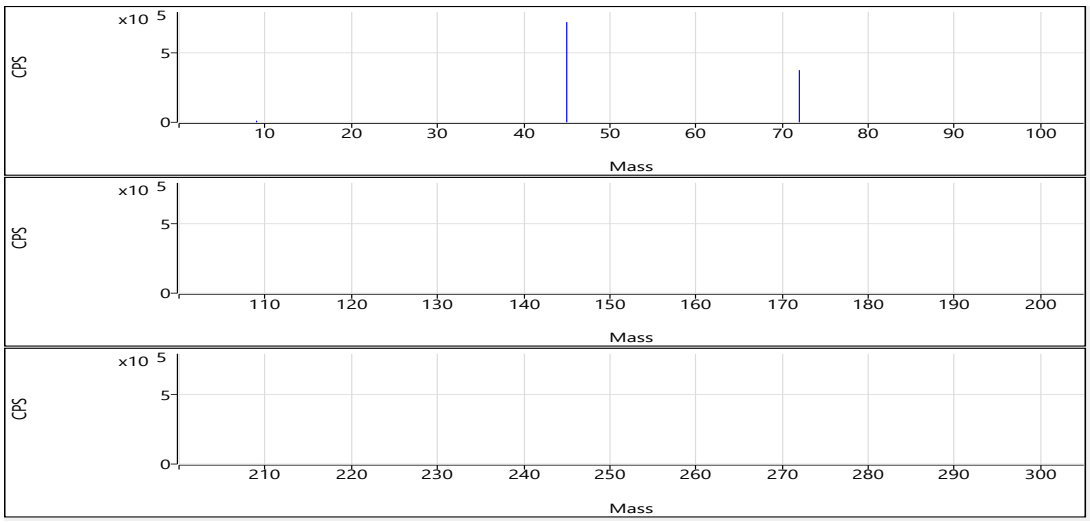
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	53.733	ppb	2.0	11593.87	0.0161	Pulse	0.5000	3
Se	78	72	H2	106.404	ppb	0.8	23407.59	0.0422	Pulse	1.5000	3
Na	23	45	He	8887.800	ppb	0.7	2058666.64	35.0763	Pulse	0.1000	3
Mg	24	45	He	6184.146	ppb	1.7	723162.88	12.3222	Pulse	0.1000	3
Al	27	45	He	5178.855	ppb	1.2	213124.83	3.6315	Pulse	0.1000	3
K	39	45	He	6689.696	ppb	1.0	760576.63	12.9590	Pulse	0.1000	3
Ca	44	45	He	10043.413	ppb	0.5	58450.65	0.9959	Pulse	0.1000	3
Ti	47	45	He	504.702	ppb	1.3	20398.08	0.3476	Pulse	0.1000	3
V	51	45	He	513.989	ppb	1.1	791746.42	13.4905	Pulse	0.5000	3
Cr	52	72	He	530.596	ppb	0.8	967430.14	10.6247	Pulse	0.1000	3
Mn	55	45	He	1786.717	ppb	1.2	1635054.46	27.8596	Pulse	0.1000	3
Fe	57	45	He	14432.990	ppb	1.6	531472.54	9.0558	Pulse	0.1000	3
Co	59	72	He	537.226	ppb	0.3	1748490.96	19.2024	Pulse	0.1000	3
Ni	60	115	He	521.663	ppb	2.4	480336.86	6.0819	Pulse	0.1000	3
Cu	63	115	He	527.768	ppb	1.9	1339247.74	16.9567	Pulse	0.1000	3
Zn	66	72	He	537.585	ppb	0.4	158138.10	1.7367	Pulse	0.1000	3
As	75	72	He	557.785	ppb	0.9	127423.57	1.3995	Pulse	0.5000	3
Sr	88	72	He	98.710	ppb	1.2	119263.68	1.3099	Pulse	0.1000	3
Mo	98	72	He	50.802	ppb	0.5	95065.85	1.0441	Pulse	0.1000	3
Ag	107	115	He	53.028	ppb	3.2	194135.75	2.4583	Pulse	0.1000	3
Cd	111	115	He	52.540	ppb	3.0	24238.18	0.3069	Pulse	0.5000	3
Sn	120	115	He	98.909	ppb	1.6	154057.82	1.9505	Pulse	0.1000	3
Sb	121	115	He	93.384	ppb	2.1	125751.49	1.5922	Pulse	0.1000	3
Ba	137	115	He	534.241	ppb	2.3	262853.92	3.3282	Pulse	0.1000	3
Tl	205	209	He	107.939	ppb	0.7	620541.20	4.3789	Pulse	0.1000	3
Pb	208	209	He	53.334	ppb	1.1	408424.57	2.8822	Pulse	0.1000	3
U	238	209	He	52.506	ppb	1.4	389779.94	2.7508	Pulse	0.1000	3

ISTD Table:

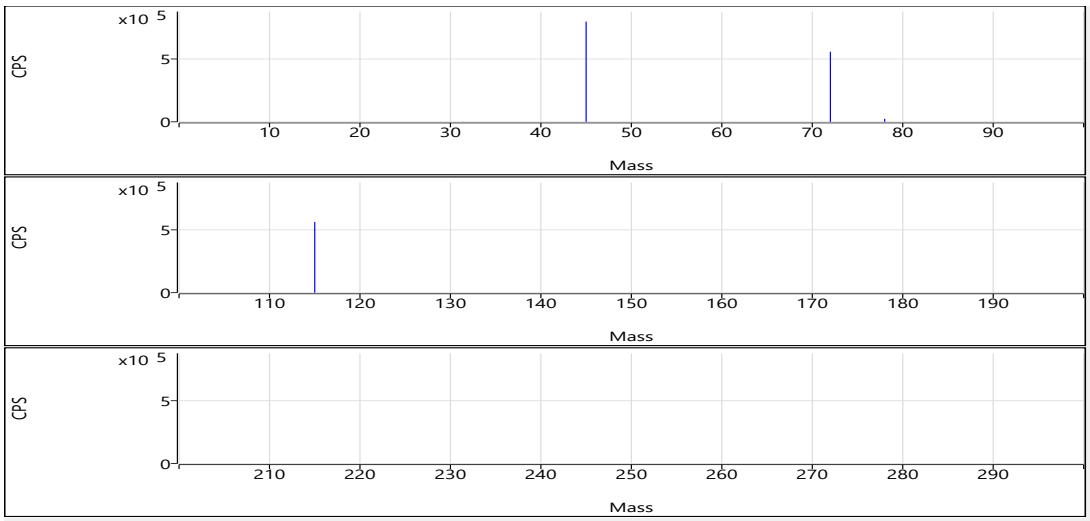
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	718797.20	0.4	105.1	Pulse	0.1000	3
No Gas	Ge	72	373842.34	0.8	103.4	Pulse	0.1000	3
H2	Sc	45	793909.78	0.0	102.6	Pulse	0.1000	3
H2	Ge	72	555111.85	0.9	102.0	Pulse	0.1000	3
H2	In	115	560085.15	0.4	101.5	Pulse	0.1000	3
He	Sc	45	58691.57	0.8	105.2	Pulse	0.1000	3
He	Ge	72	91054.40	0.7	101.9	Pulse	0.1000	3
He	In	115	78991.76	1.1	104.0	Pulse	0.1000	3
He	Tb	159	228809.43	1.3	104.1	Pulse	0.1000	3
He	Bi	209	141718.54	1.5	102.9	Pulse	0.1000	3

No Gas

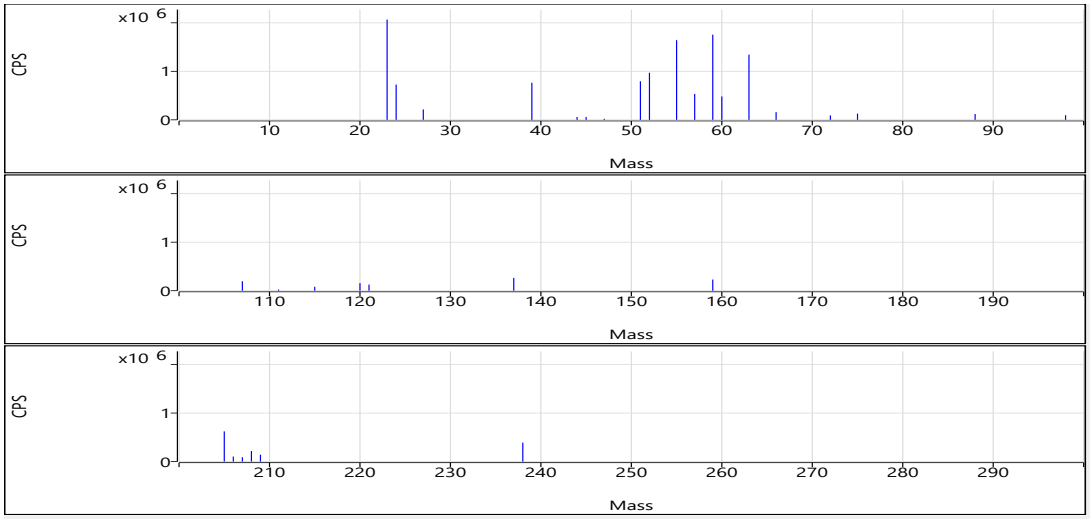


H2



Quantitation Report

He



Quantitation Report

Data File Name	105SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:25:56
Sample Name	410-234466-L-2-D MSD
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

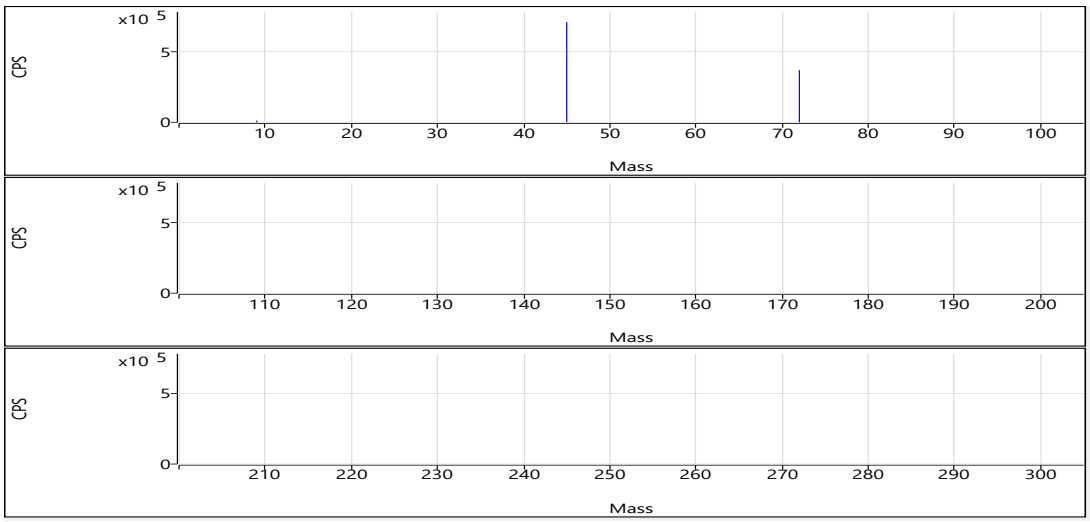
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	54.239	ppb	2.7	11597.86	0.0163	Pulse	0.5000	3
Se	78	72	H2	107.258	ppb	0.3	23923.99	0.0425	Pulse	1.5000	3
Na	23	45	He	8780.990	ppb	1.8	1998888.98	34.6579	Pulse	0.1000	3
Mg	24	45	He	6101.049	ppb	1.8	701143.35	12.1568	Pulse	0.1000	3
Al	27	45	He	5126.121	ppb	2.0	207309.60	3.5945	Pulse	0.1000	3
K	39	45	He	6614.931	ppb	1.7	739394.57	12.8199	Pulse	0.1000	3
Ca	44	45	He	9880.344	ppb	2.0	56510.30	0.9798	Pulse	0.1000	3
Ti	47	45	He	472.845	ppb	2.4	18782.58	0.3256	Pulse	0.1000	3
V	51	45	He	509.609	ppb	1.6	771452.75	13.3757	Pulse	0.5000	3
Cr	52	72	He	528.007	ppb	1.5	947872.04	10.5729	Pulse	0.1000	3
Mn	55	45	He	1784.306	ppb	1.6	1604657.53	27.8221	Pulse	0.1000	3
Fe	57	45	He	14385.408	ppb	1.8	520582.77	9.0260	Pulse	0.1000	3
Co	59	72	He	531.691	ppb	2.1	1703624.40	19.0046	Pulse	0.1000	3
Ni	60	115	He	527.733	ppb	1.4	466154.94	6.1525	Pulse	0.1000	3
Cu	63	115	He	532.945	ppb	1.0	1297362.69	17.1230	Pulse	0.1000	3
Zn	66	72	He	529.575	ppb	1.2	153390.10	1.7109	Pulse	0.1000	3
As	75	72	He	552.666	ppb	0.7	124318.77	1.3866	Pulse	0.5000	3
Sr	88	72	He	97.136	ppb	0.3	115576.41	1.2890	Pulse	0.1000	3
Mo	98	72	He	51.358	ppb	2.8	94612.45	1.0555	Pulse	0.1000	3
Ag	107	115	He	53.972	ppb	1.6	189579.08	2.5020	Pulse	0.1000	3
Cd	111	115	He	53.648	ppb	0.5	23746.02	0.3134	Pulse	0.5000	3
Sn	120	115	He	99.923	ppb	1.0	149267.06	1.9699	Pulse	0.1000	3
Sb	121	115	He	94.741	ppb	1.1	122398.14	1.6153	Pulse	0.1000	3
Ba	137	115	He	545.863	ppb	0.8	257662.22	3.4006	Pulse	0.1000	3
Tl	205	209	He	106.603	ppb	1.3	611098.79	4.3247	Pulse	0.1000	3
Pb	208	209	He	52.511	ppb	1.1	401003.59	2.8377	Pulse	0.1000	3
U	238	209	He	52.023	ppb	1.8	385091.83	2.7254	Pulse	0.1000	3

ISTD Table:

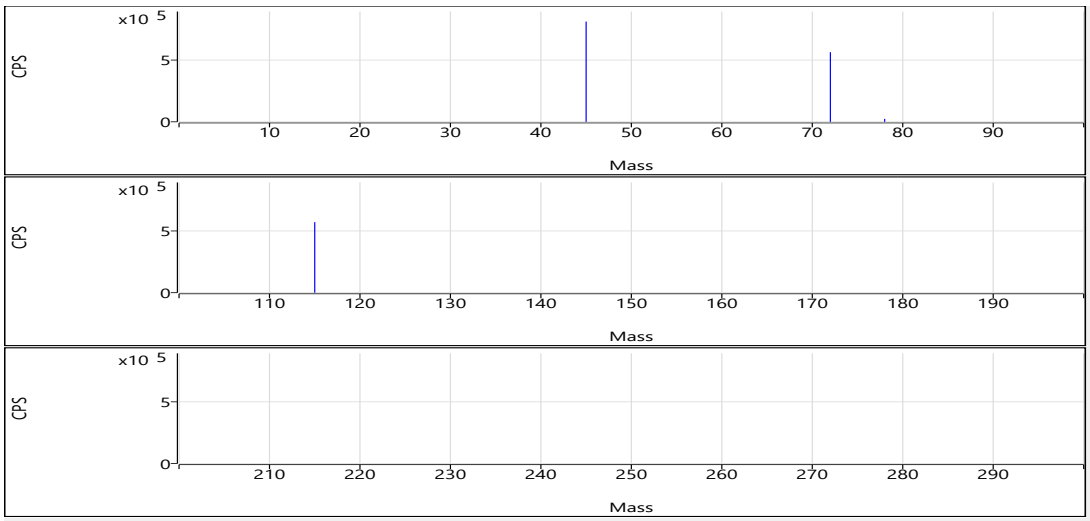
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712354.89	0.4	104.2	Pulse	0.1000	3
No Gas	Ge	72	370811.67	1.2	102.5	Pulse	0.1000	3
H2	Sc	45	810167.25	1.2	104.7	Pulse	0.1000	3
H2	Ge	72	562816.67	0.4	103.5	Pulse	0.1000	3
H2	In	115	569848.13	1.0	103.3	Pulse	0.1000	3
He	Sc	45	57684.29	1.4	103.3	Pulse	0.1000	3
He	Ge	72	89662.20	1.5	100.4	Pulse	0.1000	3
He	In	115	75774.79	1.5	99.8	Pulse	0.1000	3
He	Tb	159	226334.22	1.4	103.0	Pulse	0.1000	3
He	Bi	209	141335.85	2.5	102.6	Pulse	0.1000	3

No Gas

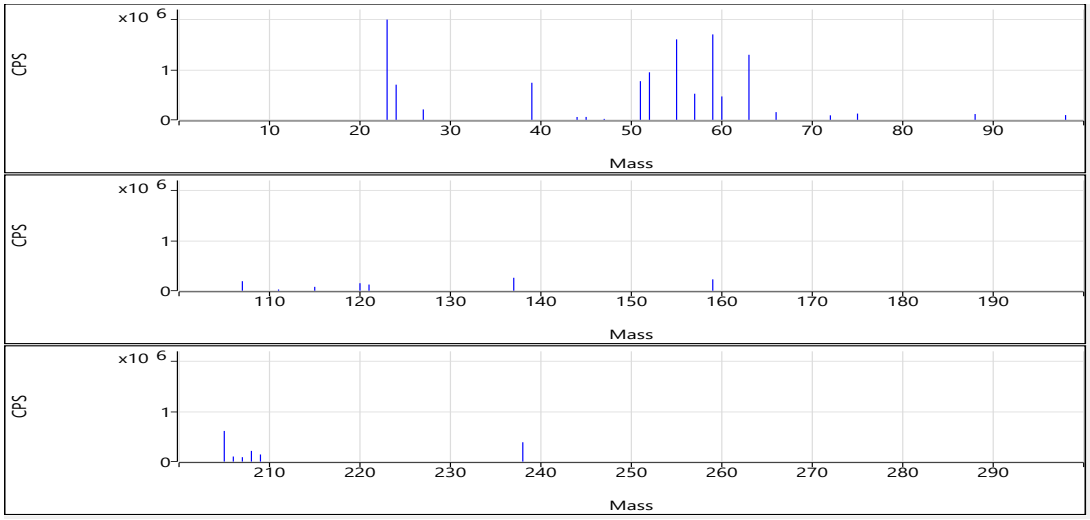


H2



Quantitation Report

He



Quantitation Report

Data File Name	106SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:28:02
Sample Name	410-234466-K-1-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

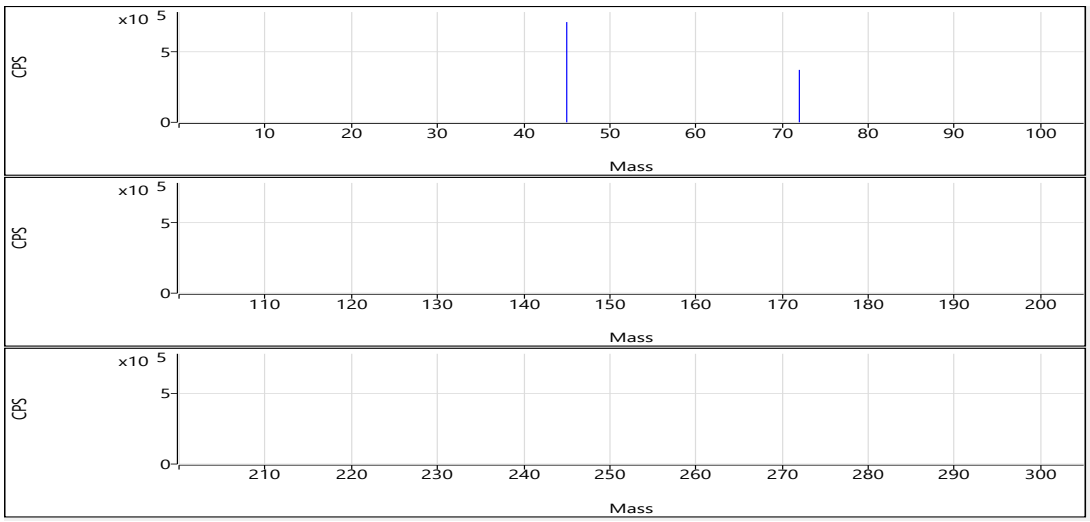
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.062	ppb	32.0	37.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	1.186	ppb	5.5	274.23	0.0005	Pulse	1.5000	3
Na	23	45	He	3828.039	ppb	2.4	858627.25	15.2596	Pulse	0.1000	3
Mg	24	45	He	2376.681	ppb	2.6	266831.89	4.7423	Pulse	0.1000	3
Al	27	45	He	11.219	ppb	20.6	590.03	0.0105	Pulse	0.1000	3
K	39	45	He	1890.730	ppb	3.0	226736.08	4.0296	Pulse	0.1000	3
Ca	44	45	He	11021.924	ppb	3.5	61459.66	1.0925	Pulse	0.1000	3
Ti	47	45	He	2.570	ppb	33.7	103.34	0.0018	Pulse	0.1000	3
V	51	45	He	0.955	ppb	11.2	2353.54	0.0418	Pulse	0.5000	3
Cr	52	72	He	1.039	ppb	11.8	3887.34	0.0431	Pulse	0.1000	3
Mn	55	45	He	3154.486	ppb	2.0	2767625.58	49.1833	Pulse	0.1000	3
Fe	57	45	He	43056.466	ppb	2.0	1519705.65	27.0067	Pulse	0.1000	3
Co	59	72	He	5.008	ppb	1.7	16336.29	0.1810	Pulse	0.1000	3
Ni	60	115	He	2.554	ppb	9.4	3447.20	0.0444	Pulse	0.1000	3
Cu	63	115	He	1.027	ppb	4.2	2810.37	0.0362	Pulse	0.1000	3
Zn	66	72	He	3.141	ppb	9.7	1006.73	0.0111	Pulse	0.1000	3
As	75	72	He	42.023	ppb	1.1	9569.89	0.1060	Pulse	0.5000	3
Sr	88	72	He	106.916	ppb	1.8	128018.53	1.4185	Pulse	0.1000	3
Mo	98	72	He	3.120	ppb	7.2	5834.72	0.0647	Pulse	0.1000	3
Ag	107	115	He	0.048	ppb	21.4	206.68	0.0027	Pulse	0.1000	3
Cd	111	115	He	0.075	ppb	41.5	36.00	0.0005	Pulse	0.5000	3
Sn	120	115	He	-0.086	ppb	N/A	4274.14	0.0551	Pulse	0.1000	3
Sb	121	115	He	1.818	ppb	15.0	2423.62	0.0313	Pulse	0.1000	3
Ba	137	115	He	22.200	ppb	1.9	10817.92	0.1395	Pulse	0.1000	3
Tl	205	209	He	0.221	ppb	6.5	1363.46	0.0095	Pulse	0.1000	3
Pb	208	209	He	0.428	ppb	2.3	3630.33	0.0253	Pulse	0.1000	3
U	238	209	He	0.610	ppb	4.6	4714.39	0.0328	Pulse	0.1000	3

ISTD Table:

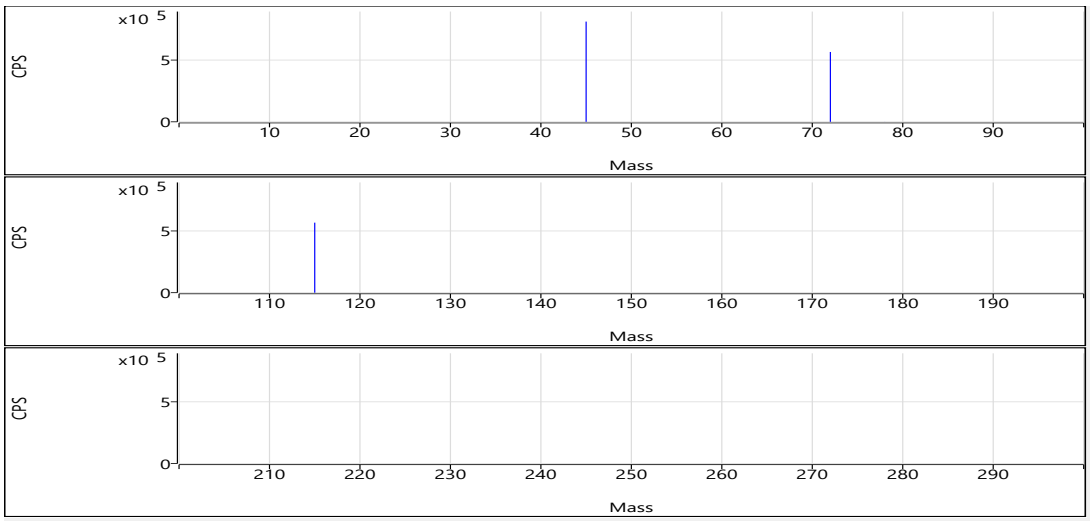
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	706571.29	1.8	103.4	Pulse	0.1000	3
No Gas	Ge	72	369542.61	1.5	102.2	Pulse	0.1000	3
H2	Sc	45	813187.77	0.4	105.1	Pulse	0.1000	3
H2	Ge	72	566666.96	0.1	104.2	Pulse	0.1000	3
H2	In	115	568163.66	0.5	103.0	Pulse	0.1000	3
He	Sc	45	56289.08	2.4	100.8	Pulse	0.1000	3
He	Ge	72	90255.69	1.4	101.1	Pulse	0.1000	3
He	In	115	77575.42	1.9	102.2	Pulse	0.1000	3
He	Tb	159	229607.61	0.7	104.5	Pulse	0.1000	3
He	Bi	209	143760.71	0.7	104.4	Pulse	0.1000	3

No Gas

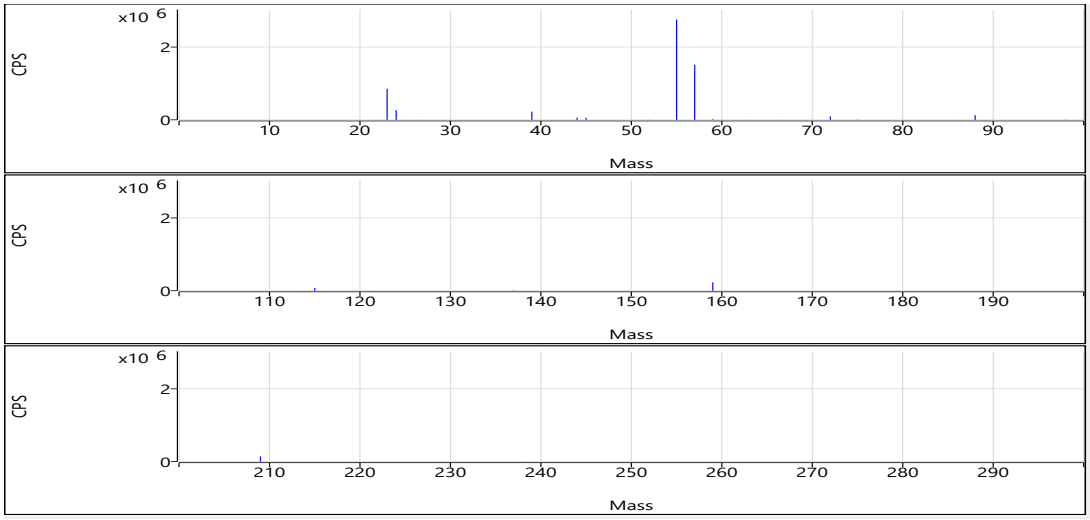


H2



Quantitation Report

He



Quantitation Report

Data File Name	107SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:30:08
Sample Name	410-234466-L-3-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

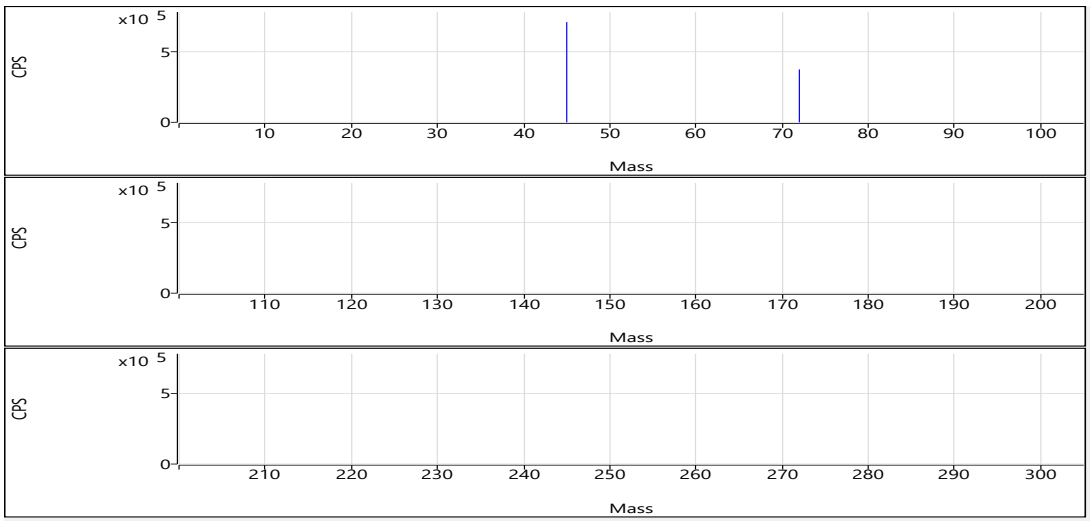
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ppb	1489.0	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.331	ppb	5.7	82.89	0.0001	Pulse	1.5000	3
Na	23	45	He	3817.271	ppb	2.6	880168.79	15.2174	Pulse	0.1000	3
Mg	24	45	He	1320.879	ppb	1.9	152738.20	2.6404	Pulse	0.1000	3
Al	27	45	He	9.854	ppb	17.8	553.36	0.0095	Pulse	0.1000	3
K	39	45	He	2539.123	ppb	1.8	302919.77	5.2361	Pulse	0.1000	3
Ca	44	45	He	5861.706	ppb	1.5	33736.33	0.5831	Pulse	0.1000	3
Ti	47	45	He	1.101	ppb	61.2	46.67	0.0008	Pulse	0.1000	3
V	51	45	He	0.181	ppb	19.3	1245.39	0.0215	Pulse	0.5000	3
Cr	52	72	He	0.040	ppb	325.9	2120.24	0.0231	Pulse	0.1000	3
Mn	55	45	He	74.915	ppb	3.5	67794.93	1.1725	Pulse	0.1000	3
Fe	57	45	He	273.989	ppb	6.6	10177.19	0.1761	Pulse	0.1000	3
Co	59	72	He	1.311	ppb	2.3	4484.19	0.0489	Pulse	0.1000	3
Ni	60	115	He	0.786	ppb	26.5	1916.86	0.0238	Pulse	0.1000	3
Cu	63	115	He	0.452	ppb	6.1	1426.78	0.0178	Pulse	0.1000	3
Zn	66	72	He	0.993	ppb	22.1	386.68	0.0042	Pulse	0.1000	3
As	75	72	He	0.666	ppb	4.8	213.33	0.0023	Pulse	0.5000	3
Sr	88	72	He	71.011	ppb	0.5	86476.26	0.9432	Pulse	0.1000	3
Mo	98	72	He	0.752	ppb	7.0	1470.13	0.0160	Pulse	0.1000	3
Ag	107	115	He	0.036	ppb	42.8	170.01	0.0021	Pulse	0.1000	3
Cd	111	115	He	0.041	ppb	53.1	21.33	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.608	ppb	N/A	3627.27	0.0451	Pulse	0.1000	3
Sb	121	115	He	0.960	ppb	3.2	1340.11	0.0167	Pulse	0.1000	3
Ba	137	115	He	3.316	ppb	15.7	1760.17	0.0219	Pulse	0.1000	3
Tl	205	209	He	0.085	ppb	28.2	583.37	0.0040	Pulse	0.1000	3
Pb	208	209	He	0.021	ppb	117.9	476.70	0.0032	Pulse	0.1000	3
U	238	209	He	0.076	ppb	21.3	706.72	0.0048	Pulse	0.1000	3

ISTD Table:

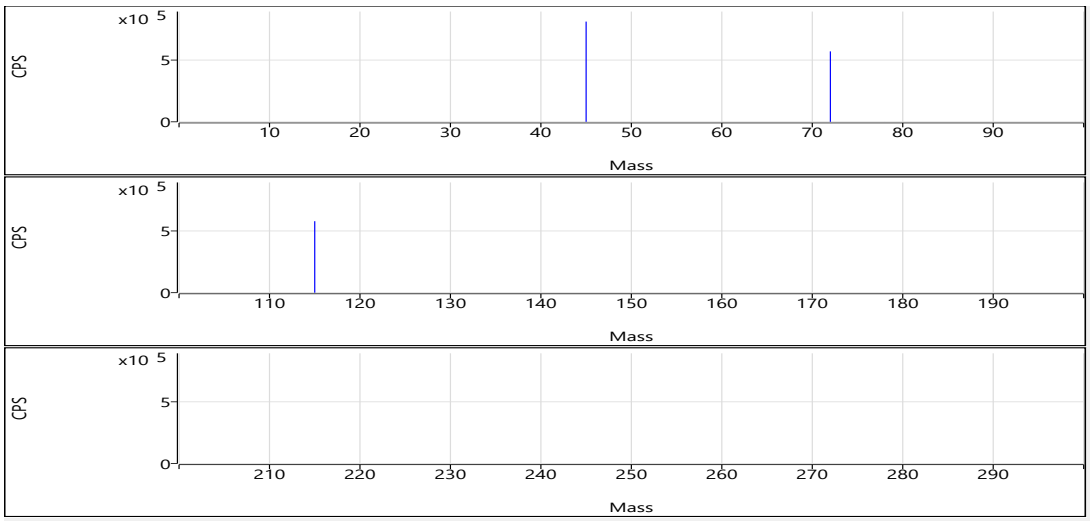
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	708372.62	0.8	103.6	Pulse	0.1000	3
No Gas	Ge	72	373706.88	0.1	103.3	Pulse	0.1000	3
H2	Sc	45	814227.54	1.0	105.3	Pulse	0.1000	3
H2	Ge	72	572240.06	0.6	105.2	Pulse	0.1000	3
H2	In	115	580744.39	0.5	105.3	Pulse	0.1000	3
He	Sc	45	57871.73	3.7	103.7	Pulse	0.1000	3
He	Ge	72	91685.07	2.2	102.7	Pulse	0.1000	3
He	In	115	80386.74	1.4	105.9	Pulse	0.1000	3
He	Tb	159	232441.90	2.4	105.8	Pulse	0.1000	3
He	Bi	209	146699.79	2.3	106.5	Pulse	0.1000	3

No Gas

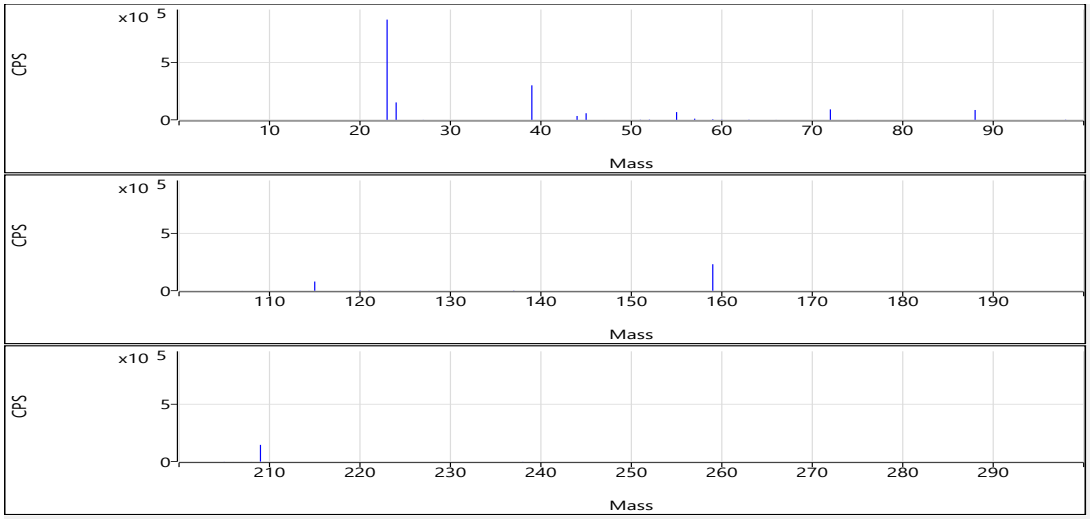


H2



Quantitation Report

He



Quantitation Report

Data File Name	108SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:32:14
Sample Name	410-236127-D-3-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

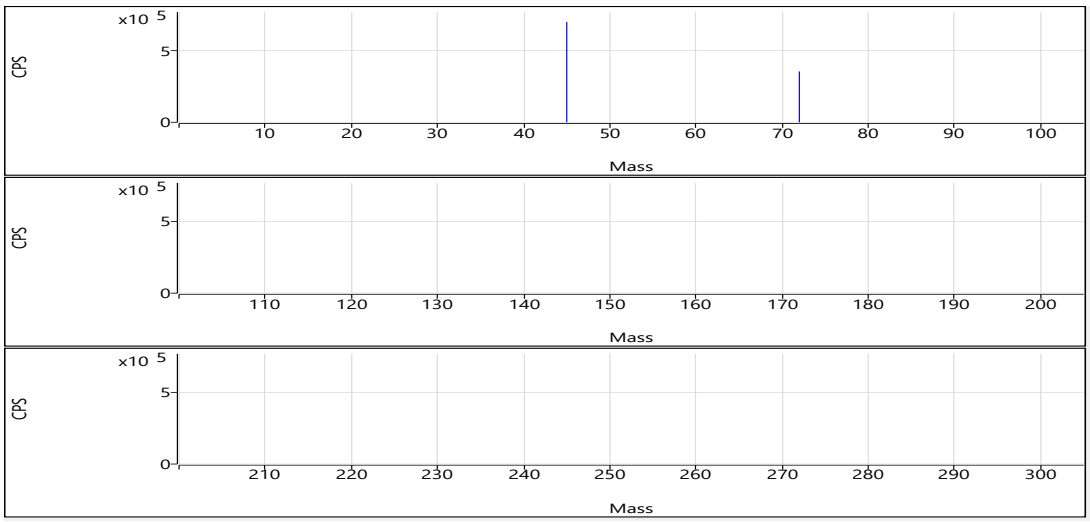
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.004	ppb	657.6	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.259	ppb	11.0	62.22	0.0001	Pulse	1.5000	3
Na	23	45	He	153484.063	ppb	0.8	34301860.32	601.3912	Analog	0.1000	3
Mg	24	45	He	27997.238	ppb	1.3	3179531.62	55.7478	Pulse	0.1000	3
Al	27	45	He	4.603	ppb	39.3	333.35	0.0059	Pulse	0.1000	3
K	39	45	He	2627.820	ppb	1.6	308055.55	5.4011	Pulse	0.1000	3
Ca	44	45	He	214275.265	ppb	1.2	1206636.02	21.1557	Pulse	0.1000	3
Ti	47	45	He	1.020	ppb	52.8	43.33	0.0008	Pulse	0.1000	3
V	51	45	He	0.228	ppb	8.3	1298.74	0.0228	Pulse	0.5000	3
Cr	52	72	He	0.196	ppb	67.0	2250.26	0.0263	Pulse	0.1000	3
Mn	55	45	He	256.756	ppb	0.4	228571.58	4.0074	Pulse	0.1000	3
Fe	57	45	He	46.328	ppb	17.6	1903.52	0.0334	Pulse	0.1000	3
Co	59	72	He	0.526	ppb	10.7	1786.84	0.0209	Pulse	0.1000	3
Ni	60	115	He	2.913	ppb	5.5	3773.95	0.0486	Pulse	0.1000	3
Cu	63	115	He	2.206	ppb	4.5	5758.05	0.0741	Pulse	0.1000	3
Zn	66	72	He	6.270	ppb	3.4	1823.52	0.0212	Pulse	0.1000	3
As	75	72	He	0.567	ppb	19.1	178.67	0.0021	Pulse	0.5000	3
Sr	88	72	He	4375.303	ppb	2.1	4967951.07	57.9163	Pulse	0.1000	3
Mo	98	72	He	0.530	ppb	10.4	986.74	0.0115	Pulse	0.1000	3
Ag	107	115	He	0.027	ppb	36.6	130.01	0.0017	Pulse	0.1000	3
Cd	111	115	He	0.133	ppb	20.9	62.67	0.0008	Pulse	0.5000	3
Sn	120	115	He	-0.619	ppb	N/A	3490.57	0.0449	Pulse	0.1000	3
Sb	121	115	He	0.666	ppb	12.1	906.73	0.0117	Pulse	0.1000	3
Ba	137	115	He	1272.790	ppb	0.8	615826.85	7.9275	Pulse	0.1000	3
Tl	205	209	He	0.075	ppb	22.5	486.69	0.0036	Pulse	0.1000	3
Pb	208	209	He	0.028	ppb	22.3	500.02	0.0037	Pulse	0.1000	3
U	238	209	He	0.150	ppb	8.2	1190.10	0.0087	Pulse	0.1000	3

ISTD Table:

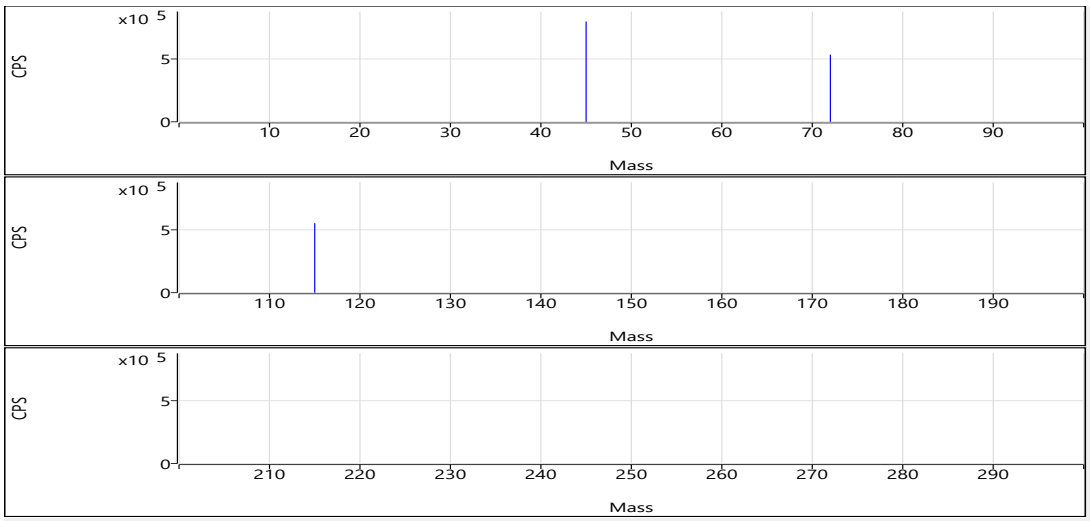
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	696437.75	0.3	101.9	Pulse	0.1000	3
No Gas	Ge	72	353333.09	0.5	97.7	Pulse	0.1000	3
H2	Sc	45	797614.49	0.7	103.1	Pulse	0.1000	3
H2	Ge	72	534150.56	0.6	98.2	Pulse	0.1000	3
H2	In	115	553172.06	0.3	100.3	Pulse	0.1000	3
He	Sc	45	57038.20	1.2	102.2	Pulse	0.1000	3
He	Ge	72	85801.77	2.1	96.1	Pulse	0.1000	3
He	In	115	77681.99	0.5	102.3	Pulse	0.1000	3
He	Tb	159	225178.99	0.7	102.5	Pulse	0.1000	3
He	Bi	209	136633.30	1.0	99.2	Pulse	0.1000	3

No Gas

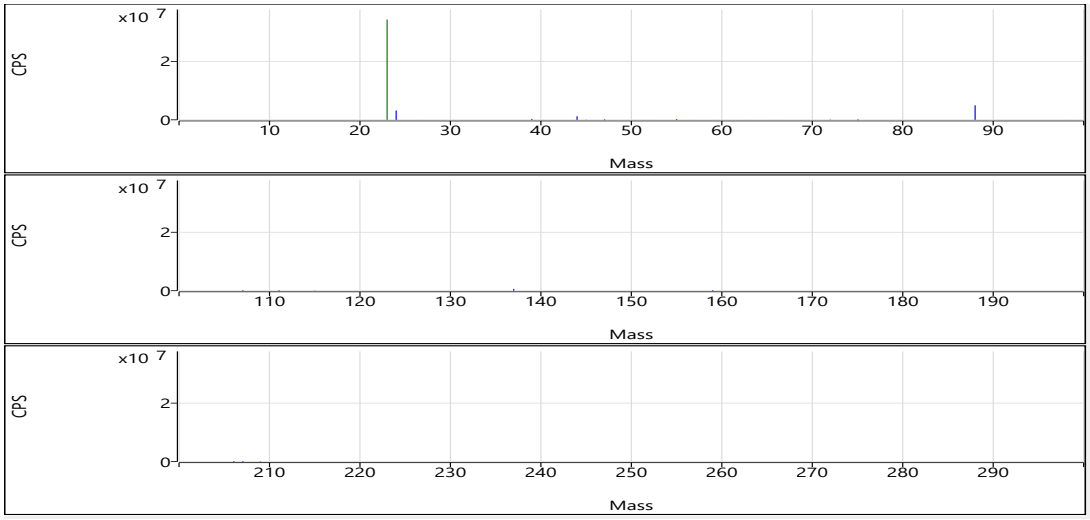


H2



Quantitation Report

He



Quantitation Report

Data File Name	109SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:34:21
Sample Name	410-236127-D-1-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

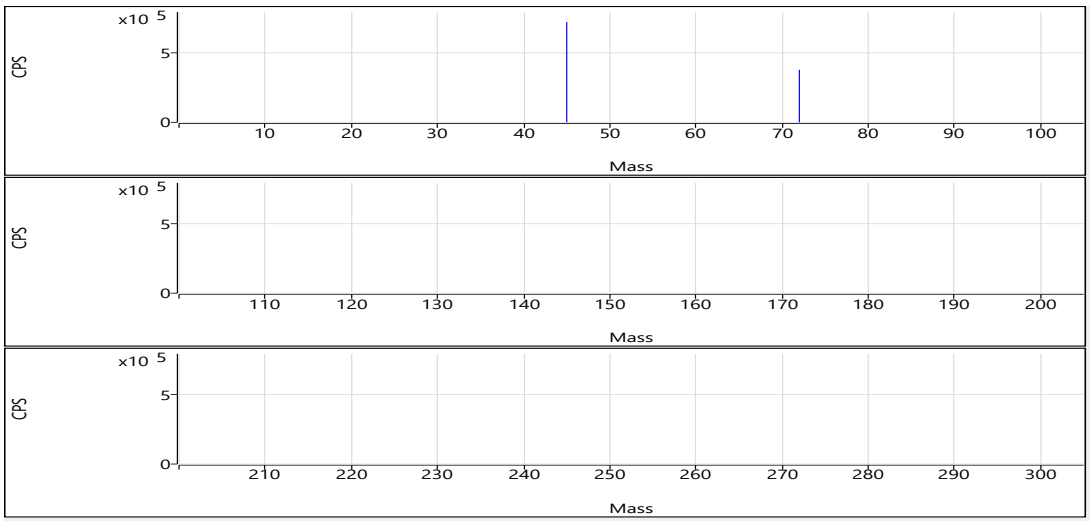
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.004	ppb	679.8	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.250	ppb	6.3	64.22	0.0001	Pulse	1.5000	3
Na	23	45	He	4272.381	ppb	1.2	972867.98	16.9998	Pulse	0.1000	3
Mg	24	45	He	4560.290	ppb	0.9	520204.25	9.0894	Pulse	0.1000	3
Al	27	45	He	7.651	ppb	35.3	456.69	0.0080	Pulse	0.1000	3
K	39	45	He	2409.845	ppb	1.0	285895.97	4.9955	Pulse	0.1000	3
Ca	44	45	He	28934.502	ppb	0.8	163734.30	2.8606	Pulse	0.1000	3
Ti	47	45	He	0.759	ppb	106.8	33.33	0.0006	Pulse	0.1000	3
V	51	45	He	0.437	ppb	6.7	1617.44	0.0283	Pulse	0.5000	3
Cr	52	72	He	0.250	ppb	30.5	2466.95	0.0273	Pulse	0.1000	3
Mn	55	45	He	309.514	ppb	0.9	276447.81	4.8299	Pulse	0.1000	3
Fe	57	45	He	22.423	ppb	14.5	1050.07	0.0184	Pulse	0.1000	3
Co	59	72	He	0.316	ppb	9.4	1203.42	0.0134	Pulse	0.1000	3
Ni	60	115	He	0.076	ppb	31.3	1226.77	0.0156	Pulse	0.1000	3
Cu	63	115	He	1.076	ppb	12.2	2977.08	0.0378	Pulse	0.1000	3
Zn	66	72	He	0.970	ppb	35.9	373.35	0.0041	Pulse	0.1000	3
As	75	72	He	0.728	ppb	8.7	224.00	0.0025	Pulse	0.5000	3
Sr	88	72	He	55.686	ppb	3.4	66780.60	0.7404	Pulse	0.1000	3
Mo	98	72	He	3.757	ppb	3.1	7018.66	0.0778	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	97.0	120.00	0.0015	Pulse	0.1000	3
Cd	111	115	He	0.024	ppb	26.9	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.587	ppb	N/A	3583.92	0.0455	Pulse	0.1000	3
Sb	121	115	He	0.484	ppb	13.0	673.38	0.0086	Pulse	0.1000	3
Ba	137	115	He	60.775	ppb	1.8	29899.86	0.3797	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	13.9	380.02	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.021	ppb	32.0	470.02	0.0033	Pulse	0.1000	3
U	238	209	He	0.718	ppb	7.5	5484.69	0.0385	Pulse	0.1000	3

ISTD Table:

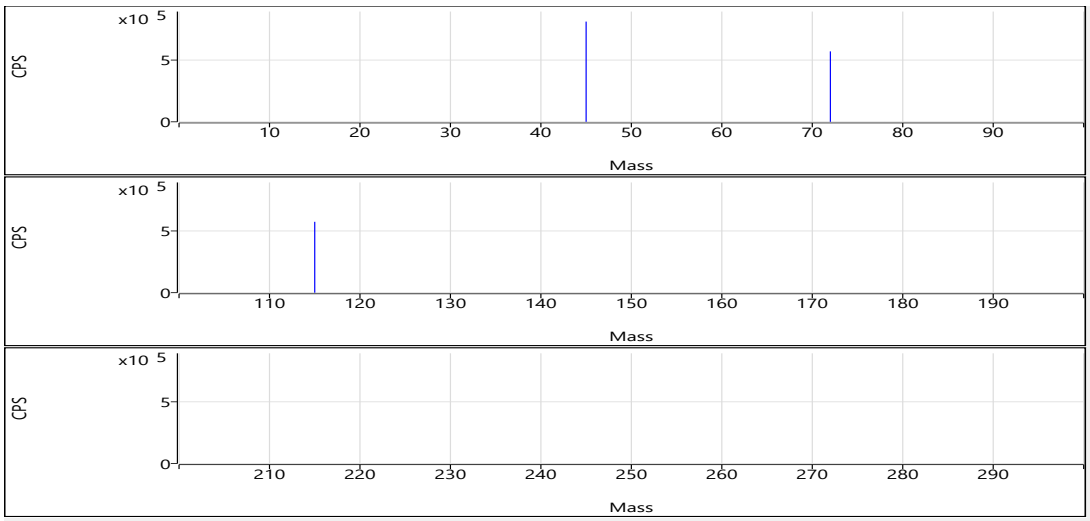
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	716866.42	0.8	104.9	Pulse	0.1000	3
No Gas	Ge	72	375528.86	1.1	103.8	Pulse	0.1000	3
H2	Sc	45	808719.65	0.9	104.5	Pulse	0.1000	3
H2	Ge	72	568383.77	0.7	104.5	Pulse	0.1000	3
H2	In	115	571961.44	1.0	103.7	Pulse	0.1000	3
He	Sc	45	57236.14	1.7	102.5	Pulse	0.1000	3
He	Ge	72	90218.44	1.7	101.0	Pulse	0.1000	3
He	In	115	78734.03	1.7	103.7	Pulse	0.1000	3
He	Tb	159	229298.22	3.0	104.3	Pulse	0.1000	3
He	Bi	209	142870.35	3.7	103.7	Pulse	0.1000	3

No Gas

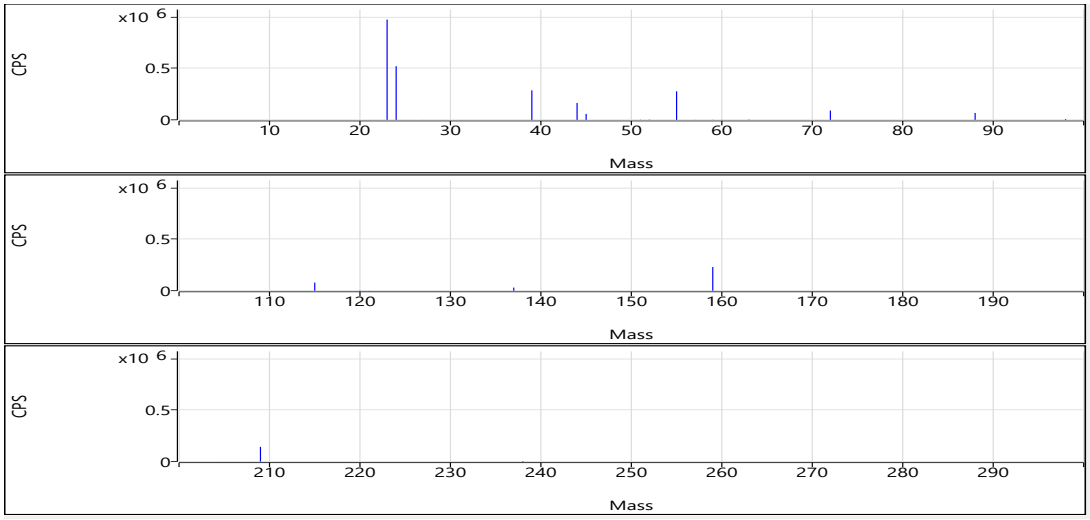


H2



Quantitation Report

He



Quantitation Report

Data File Name	110SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:36:27
Sample Name	410-236127-D-2-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

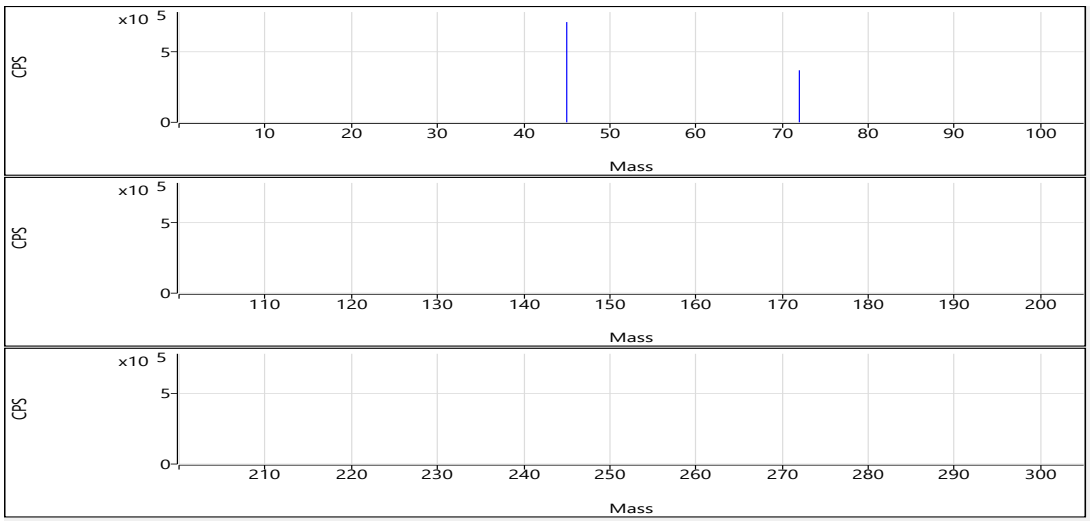
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.030	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.176	ppb	15.4	46.89	0.0001	Pulse	1.5000	3
Na	23	45	He	4626.195	ppb	1.9	1047538.11	18.3856	Pulse	0.1000	3
Mg	24	45	He	5576.946	ppb	2.7	633138.49	11.1134	Pulse	0.1000	3
Al	27	45	He	7.526	ppb	8.9	450.02	0.0079	Pulse	0.1000	3
K	39	45	He	1378.402	ppb	3.6	175236.08	3.0763	Pulse	0.1000	3
Ca	44	45	He	42266.867	ppb	3.6	237906.13	4.1767	Pulse	0.1000	3
Ti	47	45	He	1.432	ppb	44.1	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.299	ppb	10.2	1403.41	0.0246	Pulse	0.5000	3
Cr	52	72	He	0.349	ppb	11.8	2633.66	0.0293	Pulse	0.1000	3
Mn	55	45	He	60.836	ppb	2.4	54288.80	0.9530	Pulse	0.1000	3
Fe	57	45	He	16.471	ppb	13.1	833.38	0.0146	Pulse	0.1000	3
Co	59	72	He	0.281	ppb	4.9	1086.75	0.0121	Pulse	0.1000	3
Ni	60	115	He	-0.071	ppb	N/A	1086.75	0.0139	Pulse	0.1000	3
Cu	63	115	He	0.629	ppb	2.1	1836.85	0.0235	Pulse	0.1000	3
Zn	66	72	He	0.941	ppb	21.1	363.35	0.0040	Pulse	0.1000	3
As	75	72	He	0.768	ppb	20.7	232.00	0.0026	Pulse	0.5000	3
Sr	88	72	He	52.568	ppb	1.4	62839.29	0.6991	Pulse	0.1000	3
Mo	98	72	He	3.008	ppb	4.1	5607.98	0.0624	Pulse	0.1000	3
Ag	107	115	He	0.021	ppb	35.6	110.00	0.0014	Pulse	0.1000	3
Cd	111	115	He	0.025	ppb	36.6	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.680	ppb	N/A	3427.23	0.0438	Pulse	0.1000	3
Sb	121	115	He	0.401	ppb	12.5	560.03	0.0071	Pulse	0.1000	3
Ba	137	115	He	80.870	ppb	1.9	39543.96	0.5048	Pulse	0.1000	3
Tl	205	209	He	0.054	ppb	15.5	376.69	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.034	ppb	10.4	560.03	0.0040	Pulse	0.1000	3
U	238	209	He	1.387	ppb	2.2	10334.50	0.0735	Pulse	0.1000	3

ISTD Table:

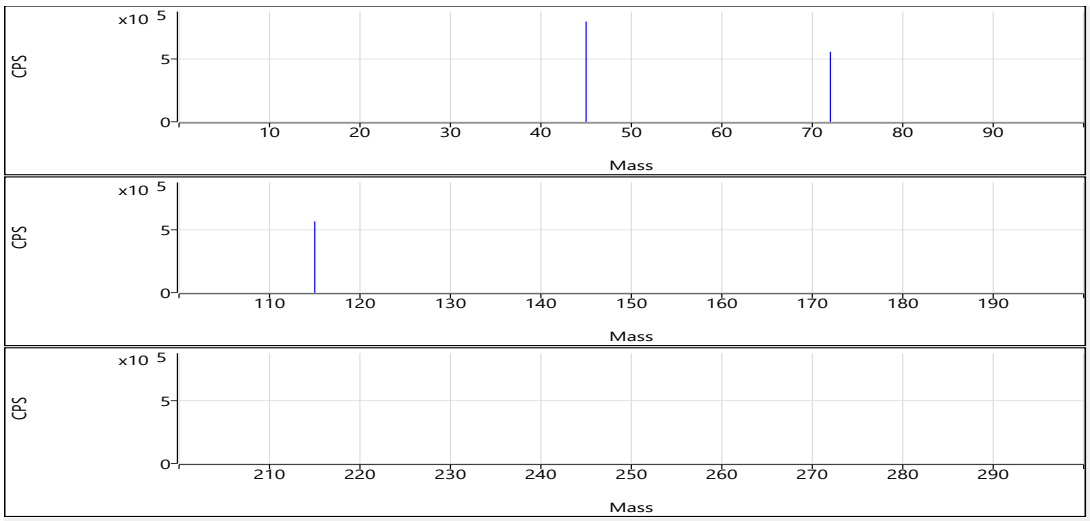
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	715354.37	0.7	104.6	Pulse	0.1000	3
No Gas	Ge	72	371240.01	0.5	102.6	Pulse	0.1000	3
H2	Sc	45	802445.69	0.8	103.7	Pulse	0.1000	3
H2	Ge	72	560907.11	1.2	103.1	Pulse	0.1000	3
H2	In	115	570210.04	1.3	103.4	Pulse	0.1000	3
He	Sc	45	56991.64	2.7	102.1	Pulse	0.1000	3
He	Ge	72	89879.66	0.6	100.6	Pulse	0.1000	3
He	In	115	78326.06	0.9	103.1	Pulse	0.1000	3
He	Tb	159	227671.35	0.1	103.6	Pulse	0.1000	3
He	Bi	209	140627.91	0.5	102.1	Pulse	0.1000	3

No Gas

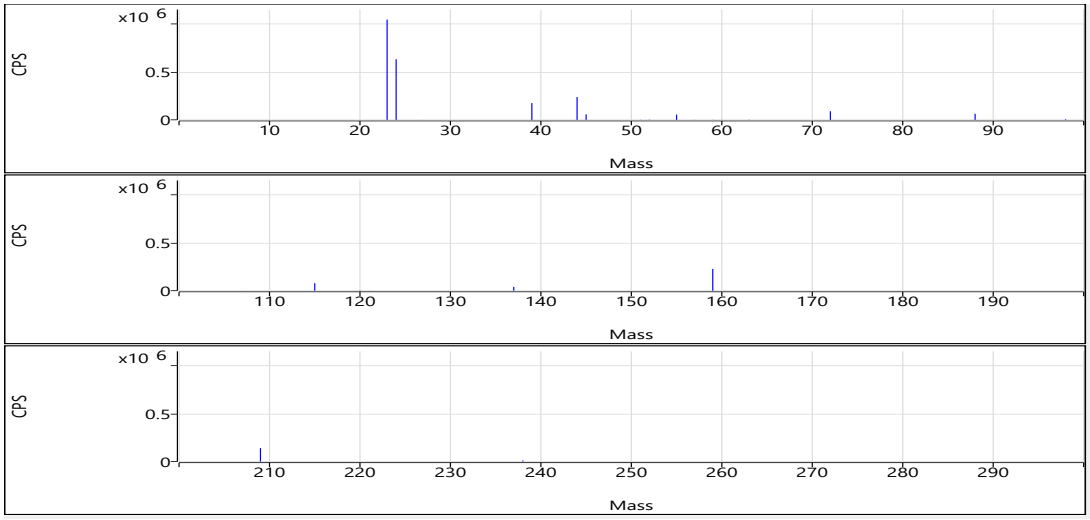


H2



Quantitation Report

He



Quantitation Report

Data File Name	111SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:38:34
Sample Name	410-234871-B-1-A
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

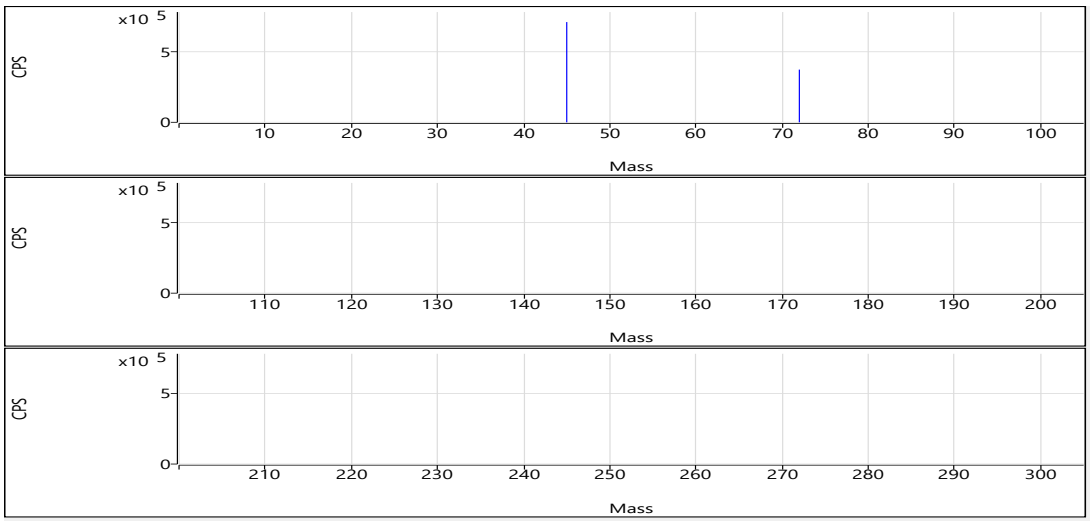
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.002	ppb	953.1	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.505	ppb	6.2	121.56	0.0002	Pulse	1.5000	3
Na	23	45	He	893.876	ppb	2.1	211955.99	3.7678	Pulse	0.1000	3
Mg	24	45	He	2348.678	ppb	1.3	263652.50	4.6866	Pulse	0.1000	3
Al	27	45	He	2.422	ppb	89.7	243.34	0.0043	Pulse	0.1000	3
K	39	45	He	632.093	ppb	5.1	94941.63	1.6876	Pulse	0.1000	3
Ca	44	45	He	4892.643	ppb	2.1	27426.41	0.4874	Pulse	0.1000	3
Ti	47	45	He	1.379	ppb	23.2	56.67	0.0010	Pulse	0.1000	3
V	51	45	He	0.113	ppb	28.5	1112.05	0.0198	Pulse	0.5000	3
Cr	52	72	He	0.096	ppb	143.2	2183.59	0.0243	Pulse	0.1000	3
Mn	55	45	He	29.254	ppb	1.3	25913.74	0.4606	Pulse	0.1000	3
Fe	57	45	He	22.109	ppb	27.3	1020.07	0.0182	Pulse	0.1000	3
Co	59	72	He	0.206	ppb	16.3	846.72	0.0094	Pulse	0.1000	3
Ni	60	115	He	1.033	ppb	19.6	2076.89	0.0267	Pulse	0.1000	3
Cu	63	115	He	1.414	ppb	2.1	3787.28	0.0487	Pulse	0.1000	3
Zn	66	72	He	719.756	ppb	0.4	209375.06	2.3249	Pulse	0.1000	3
As	75	72	He	0.488	ppb	18.9	169.33	0.0019	Pulse	0.5000	3
Sr	88	72	He	26.280	ppb	1.5	31622.54	0.3512	Pulse	0.1000	3
Mo	98	72	He	0.551	ppb	8.5	1073.41	0.0119	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	118.2	60.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	6.308	ppb	2.3	2868.97	0.0369	Pulse	0.5000	3
Sn	120	115	He	-0.526	ppb	N/A	3630.62	0.0467	Pulse	0.1000	3
Sb	121	115	He	0.485	ppb	12.1	666.71	0.0086	Pulse	0.1000	3
Ba	137	115	He	62.938	ppb	0.3	30587.91	0.3932	Pulse	0.1000	3
Tl	205	209	He	0.049	ppb	21.9	356.69	0.0025	Pulse	0.1000	3
Pb	208	209	He	0.044	ppb	6.7	643.37	0.0045	Pulse	0.1000	3
U	238	209	He	0.044	ppb	21.5	446.69	0.0031	Pulse	0.1000	3

ISTD Table:

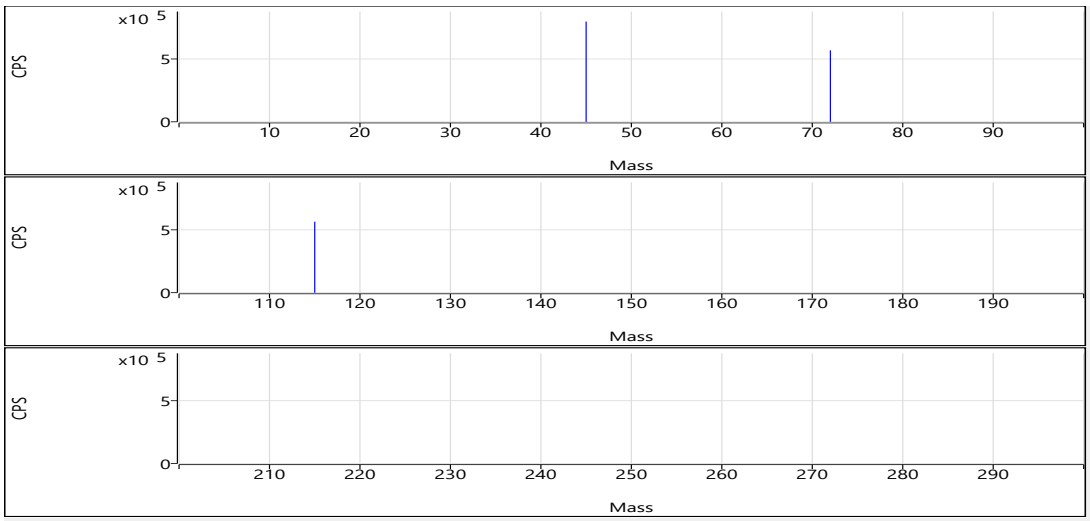
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	709387.47	1.0	103.8	Pulse	0.1000	3
No Gas	Ge	72	372927.18	1.3	103.1	Pulse	0.1000	3
H2	Sc	45	796357.64	0.7	103.0	Pulse	0.1000	3
H2	Ge	72	567811.92	0.8	104.4	Pulse	0.1000	3
H2	In	115	564112.84	0.7	102.3	Pulse	0.1000	3
He	Sc	45	56266.00	1.8	100.8	Pulse	0.1000	3
He	Ge	72	90058.08	0.8	100.8	Pulse	0.1000	3
He	In	115	77795.04	1.2	102.4	Pulse	0.1000	3
He	Tb	159	227405.56	0.7	103.5	Pulse	0.1000	3
He	Bi	209	142477.14	0.7	103.4	Pulse	0.1000	3

No Gas

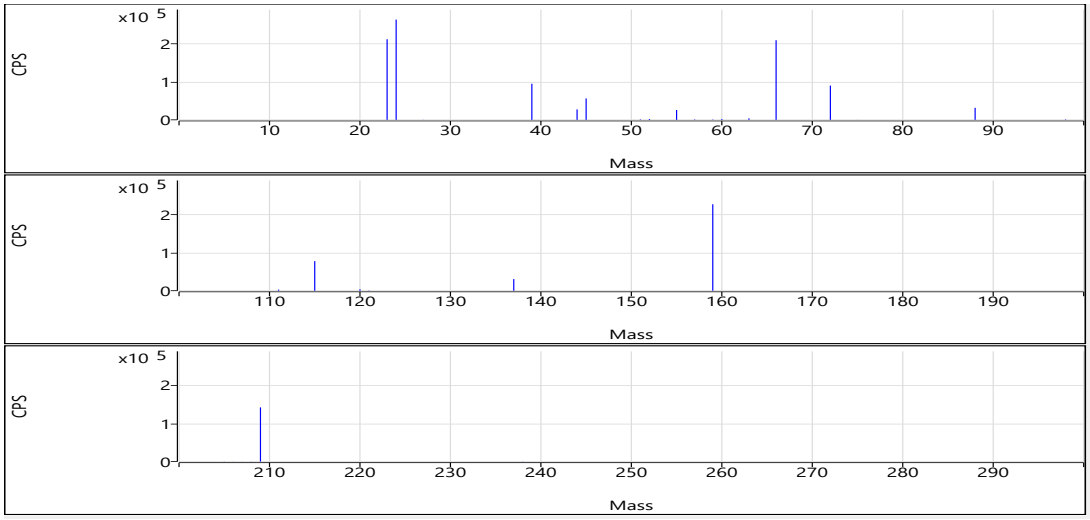


H2



Quantitation Report

He



Quantitation Report

Data File Name	113_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:42:46
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

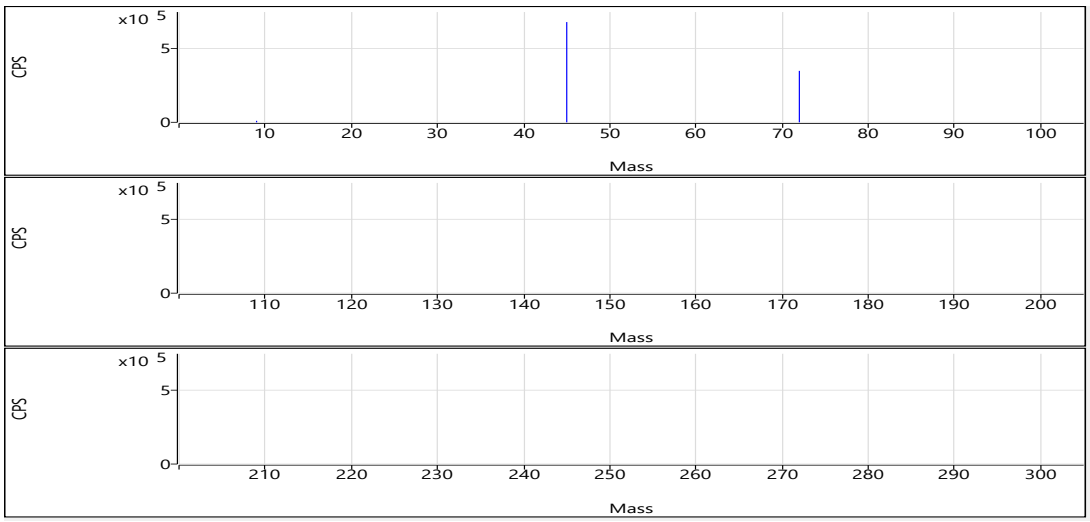
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.888	ppb	1.7	9931.33	0.0147	Pulse	0.5000	3
Se	78	72	H2	52.392	ppb	1.7	11162.99	0.0208	Pulse	1.5000	3
Na	23	45	He	5012.185	ppb	2.0	1136664.62	19.8973	Pulse	0.1000	3
Mg	24	45	He	5003.504	ppb	1.7	569658.93	9.9718	Pulse	0.1000	3
Al	27	45	He	5020.607	ppb	0.9	201123.53	3.5206	Pulse	0.1000	3
K	39	45	He	5051.607	ppb	2.0	566185.77	9.9110	Pulse	0.1000	3
Ca	44	45	He	5063.188	ppb	2.8	28805.67	0.5043	Pulse	0.1000	3
Ti	47	45	He	5032.425	ppb	0.9	197953.96	3.4651	Pulse	0.1000	3
V	51	45	He	504.897	ppb	1.7	757040.21	13.2522	Pulse	0.5000	3
Cr	52	72	He	518.713	ppb	1.4	923433.84	10.3872	Pulse	0.1000	3
Mn	55	45	He	504.863	ppb	1.7	449895.68	7.8754	Pulse	0.1000	3
Fe	57	45	He	5048.182	ppb	1.5	181102.95	3.1702	Pulse	0.1000	3
Co	59	72	He	522.489	ppb	1.1	1660414.04	18.6757	Pulse	0.1000	3
Ni	60	115	He	505.452	ppb	1.7	456214.68	5.8934	Pulse	0.1000	3
Cu	63	115	He	504.467	ppb	1.4	1254679.04	16.2082	Pulse	0.1000	3
Zn	66	72	He	514.702	ppb	1.8	147825.73	1.6629	Pulse	0.1000	3
As	75	72	He	520.188	ppb	1.1	116033.46	1.3052	Pulse	0.5000	3
Sr	88	72	He	52.232	ppb	1.3	61765.14	0.6947	Pulse	0.1000	3
Mo	98	72	He	52.062	ppb	0.6	95122.89	1.0700	Pulse	0.1000	3
Ag	107	115	He	50.324	ppb	0.8	180591.53	2.3329	Pulse	0.1000	3
Cd	111	115	He	50.554	ppb	1.2	22859.91	0.2953	Pulse	0.5000	3
Sn	120	115	He	50.976	ppb	2.7	79949.52	1.0328	Pulse	0.1000	3
Sb	121	115	He	52.020	ppb	2.4	68669.77	0.8871	Pulse	0.1000	3
Ba	137	115	He	508.117	ppb	1.1	245041.46	3.1655	Pulse	0.1000	3
Tl	205	209	He	50.474	ppb	1.2	289498.03	2.0479	Pulse	0.1000	3
Pb	208	209	He	50.758	ppb	1.3	387774.87	2.7431	Pulse	0.1000	3
U	238	209	He	50.259	ppb	2.0	372190.92	2.6331	Pulse	0.1000	3

ISTD Table:

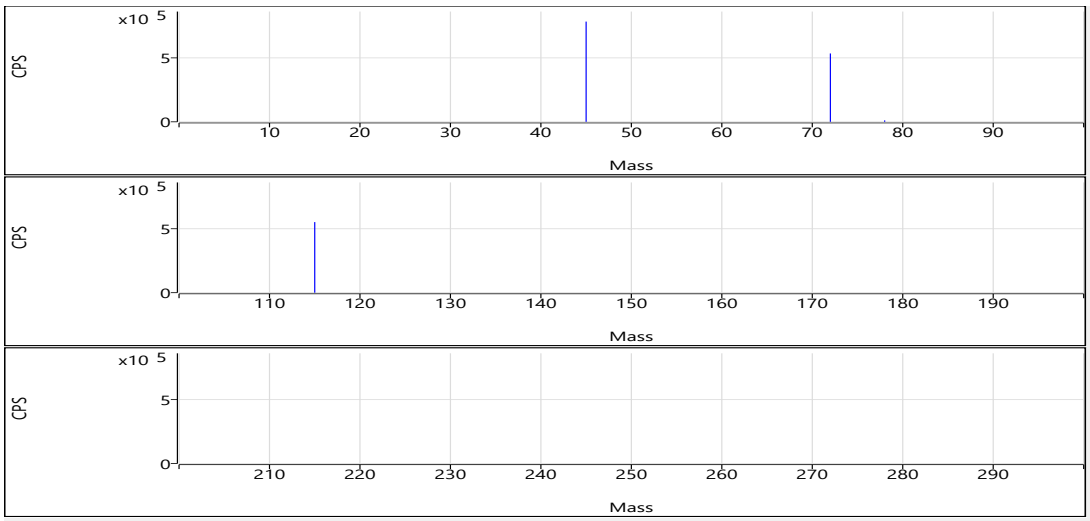
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	676588.19	0.9	99.0	Pulse	0.1000	3
No Gas	Ge	72	347248.00	0.7	96.0	Pulse	0.1000	3
H2	Sc	45	788126.00	0.7	101.9	Pulse	0.1000	3
H2	Ge	72	537507.69	1.1	98.8	Pulse	0.1000	3
H2	In	115	555120.52	0.3	100.6	Pulse	0.1000	3
He	Sc	45	57128.81	0.6	102.4	Pulse	0.1000	3
He	Ge	72	88907.31	1.3	99.5	Pulse	0.1000	3
He	In	115	77407.78	0.4	101.9	Pulse	0.1000	3
He	Tb	159	227147.07	1.7	103.3	Pulse	0.1000	3
He	Bi	209	141382.40	2.3	102.6	Pulse	0.1000	3

No Gas

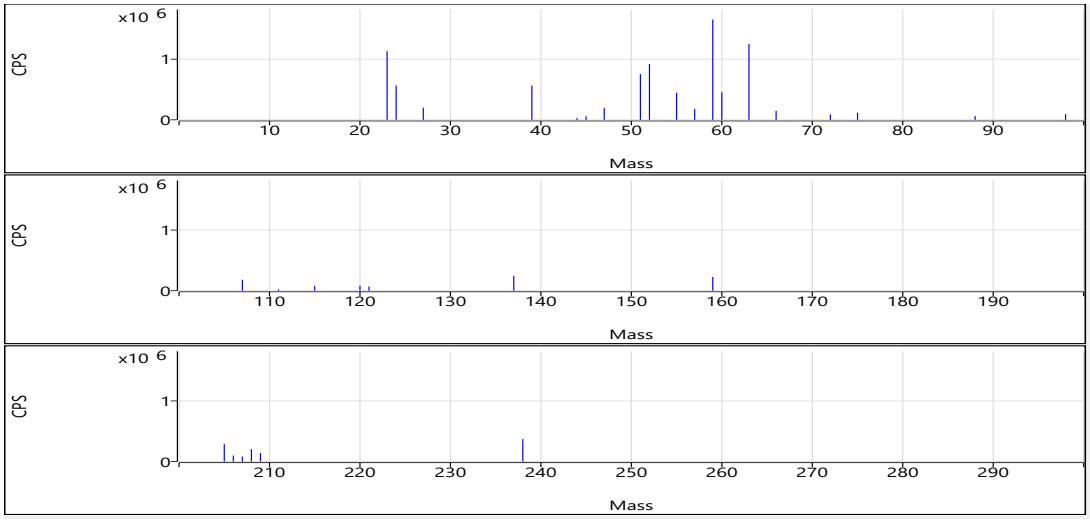


H2



Quantitation Report

He



Quantitation Report

Data File Name	115_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:46:59
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

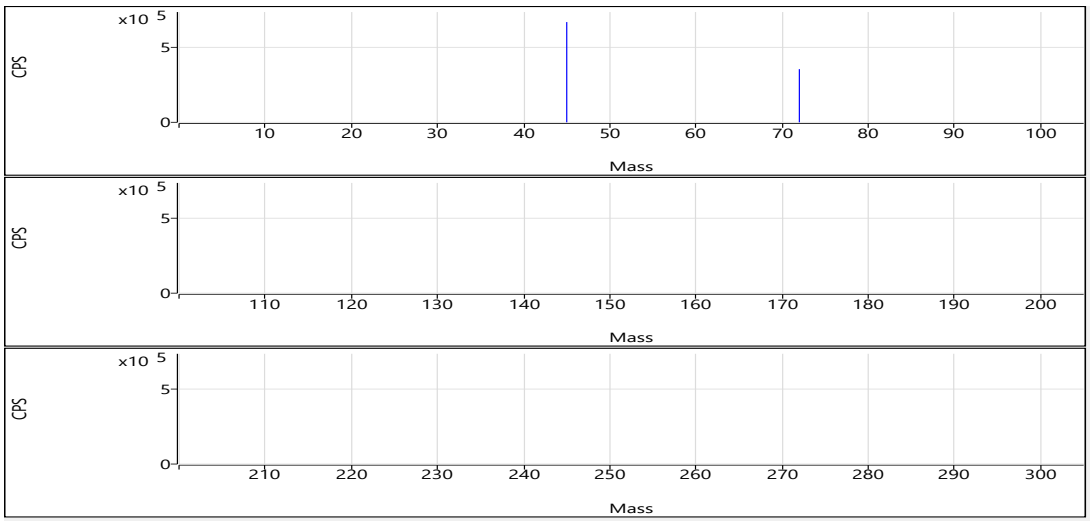
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.028	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.140	ppb	11.0	36.89	0.0001	Pulse	1.5000	3
Na	23	45	He	35.409	ppb	12.4	22056.88	0.4056	Pulse	0.1000	3
Mg	24	45	He	9.382	ppb	10.5	1603.48	0.0295	Pulse	0.1000	3
Al	27	45	He	2.887	ppb	48.1	253.34	0.0047	Pulse	0.1000	3
K	39	45	He	16.088	ppb	163.5	29443.70	0.5414	Pulse	0.1000	3
Ca	44	45	He	44.538	ppb	60.4	483.36	0.0089	Pulse	0.1000	3
Ti	47	45	He	2.055	ppb	27.3	80.00	0.0015	Pulse	0.1000	3
V	51	45	He	0.244	ppb	25.1	1261.40	0.0232	Pulse	0.5000	3
Cr	52	72	He	0.230	ppb	25.4	2320.27	0.0269	Pulse	0.1000	3
Mn	55	45	He	0.932	ppb	5.4	1036.74	0.0191	Pulse	0.1000	3
Fe	57	45	He	8.728	ppb	60.5	530.03	0.0098	Pulse	0.1000	3
Co	59	72	He	0.194	ppb	10.9	773.38	0.0090	Pulse	0.1000	3
Ni	60	115	He	0.206	ppb	38.2	1276.77	0.0171	Pulse	0.1000	3
Cu	63	115	He	0.191	ppb	17.0	700.05	0.0094	Pulse	0.1000	3
Zn	66	72	He	0.348	ppb	35.4	183.34	0.0021	Pulse	0.1000	3
As	75	72	He	0.380	ppb	22.5	138.67	0.0016	Pulse	0.5000	3
Sr	88	72	He	0.591	ppb	12.6	960.07	0.0111	Pulse	0.1000	3
Mo	98	72	He	0.122	ppb	8.2	266.68	0.0031	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	52.9	63.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.035	ppb	21.5	17.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.120	ppb	106.3	4410.87	0.0591	Pulse	0.1000	3
Sb	121	115	He	0.252	ppb	17.2	343.35	0.0046	Pulse	0.1000	3
Ba	137	115	He	0.381	ppb	41.0	270.01	0.0036	Pulse	0.1000	3
Tl	205	209	He	0.068	ppb	28.1	443.36	0.0033	Pulse	0.1000	3
Pb	208	209	He	0.014	ppb	72.3	390.01	0.0029	Pulse	0.1000	3
U	238	209	He	0.031	ppb	7.7	336.69	0.0025	Pulse	0.1000	3

ISTD Table:

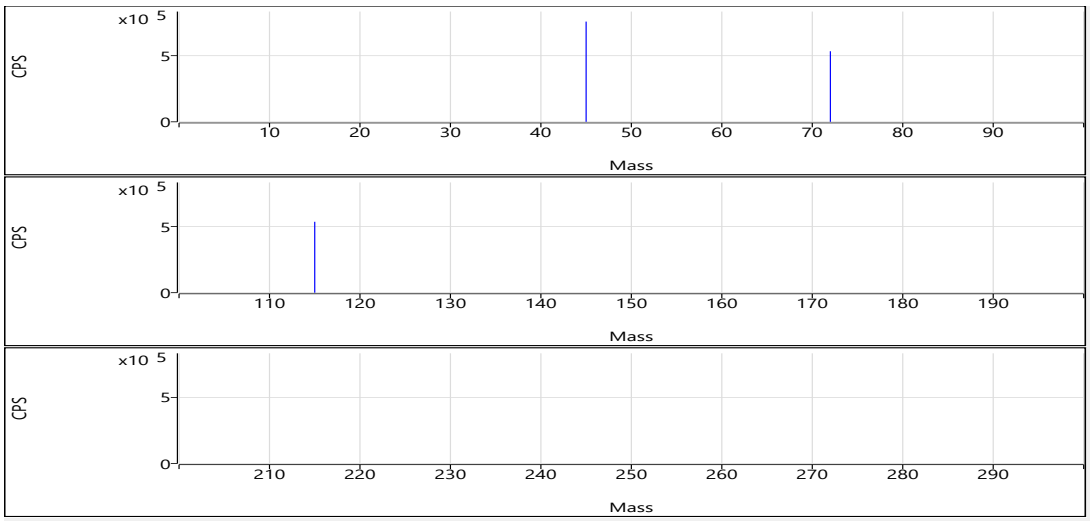
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	672534.00	0.6	98.4	Pulse	0.1000	3
No Gas	Ge	72	356580.74	1.5	98.6	Pulse	0.1000	3
H2	Sc	45	755844.00	0.8	97.7	Pulse	0.1000	3
H2	Ge	72	532249.45	0.1	97.8	Pulse	0.1000	3
H2	In	115	534739.99	1.2	97.0	Pulse	0.1000	3
He	Sc	45	54398.32	1.5	97.5	Pulse	0.1000	3
He	Ge	72	86178.16	1.1	96.5	Pulse	0.1000	3
He	In	115	74706.24	1.8	98.4	Pulse	0.1000	3
He	Tb	159	216623.17	0.7	98.6	Pulse	0.1000	3
He	Bi	209	136324.09	0.7	99.0	Pulse	0.1000	3

No Gas

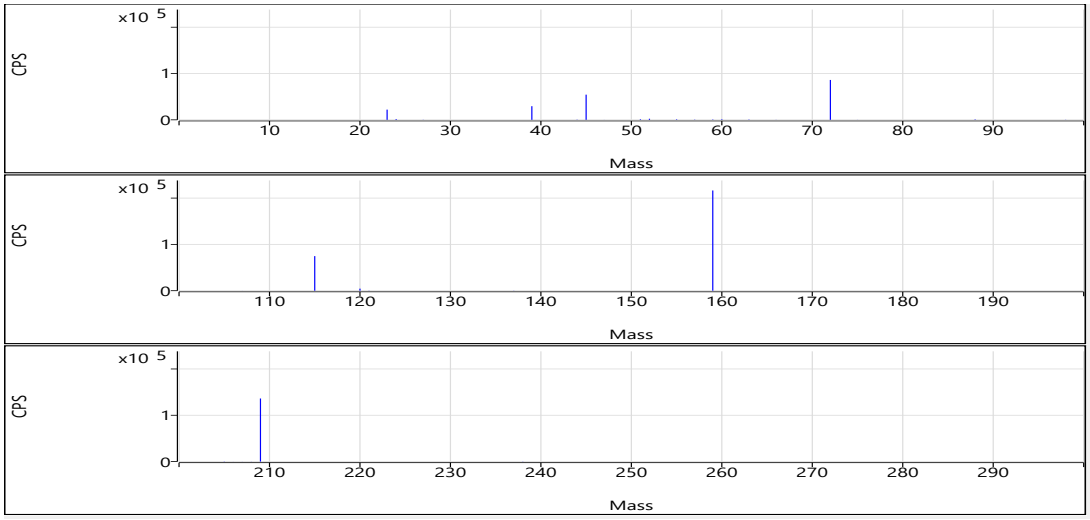


H2



Quantitation Report

He



Quantitation Report

Data File Name	116SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:49:06
Sample Name	410-234871-B-1-B DU
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

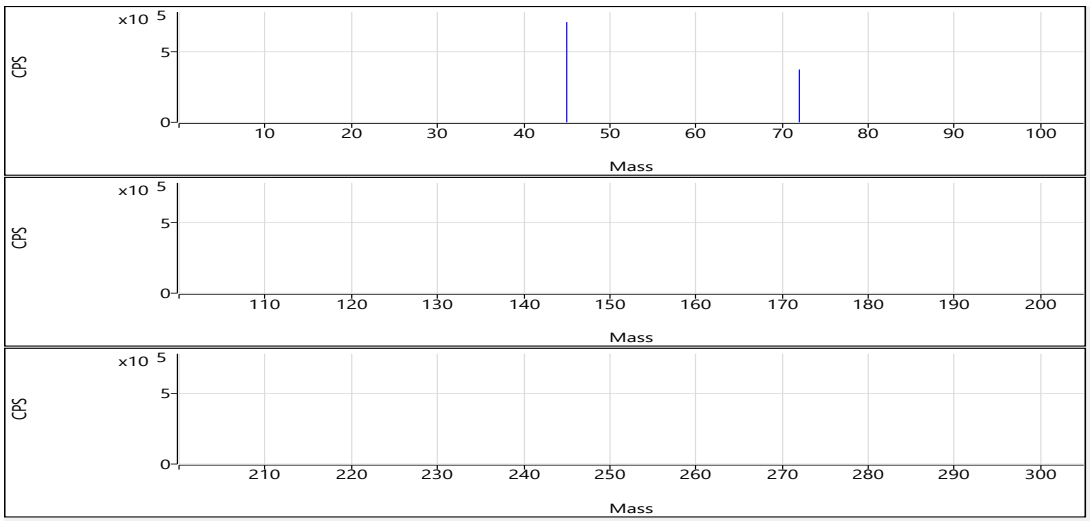
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ppb	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.459	ppb	16.8	113.56	0.0002	Pulse	1.5000	3
Na	23	45	He	861.972	ppb	1.4	208256.86	3.6429	Pulse	0.1000	3
Mg	24	45	He	2345.314	ppb	0.9	267527.61	4.6799	Pulse	0.1000	3
Al	27	45	He	3.821	ppb	1.3	303.35	0.0053	Pulse	0.1000	3
K	39	45	He	623.486	ppb	4.5	95569.25	1.6716	Pulse	0.1000	3
Ca	44	45	He	4999.077	ppb	2.6	28461.76	0.4979	Pulse	0.1000	3
Ti	47	45	He	1.779	ppb	33.7	73.33	0.0013	Pulse	0.1000	3
V	51	45	He	0.124	ppb	55.8	1146.72	0.0200	Pulse	0.5000	3
Cr	52	72	He	0.105	ppb	16.2	2243.59	0.0244	Pulse	0.1000	3
Mn	55	45	He	28.798	ppb	1.4	25923.68	0.4535	Pulse	0.1000	3
Fe	57	45	He	15.439	ppb	16.6	800.05	0.0140	Pulse	0.1000	3
Co	59	72	He	0.219	ppb	3.2	906.73	0.0099	Pulse	0.1000	3
Ni	60	115	He	0.911	ppb	28.8	2016.89	0.0253	Pulse	0.1000	3
Cu	63	115	He	1.350	ppb	3.5	3717.26	0.0466	Pulse	0.1000	3
Zn	66	72	He	722.902	ppb	0.6	214458.71	2.3351	Pulse	0.1000	3
As	75	72	He	0.477	ppb	16.7	170.00	0.0019	Pulse	0.5000	3
Sr	88	72	He	25.658	ppb	0.7	31492.42	0.3429	Pulse	0.1000	3
Mo	98	72	He	0.513	ppb	20.8	1020.08	0.0111	Pulse	0.1000	3
Ag	107	115	He	0.014	ppb	47.9	86.67	0.0011	Pulse	0.1000	3
Cd	111	115	He	5.934	ppb	2.1	2764.96	0.0347	Pulse	0.5000	3
Sn	120	115	He	-0.545	ppb	N/A	3693.96	0.0463	Pulse	0.1000	3
Sb	121	115	He	0.225	ppb	3.7	330.02	0.0041	Pulse	0.1000	3
Ba	137	115	He	62.913	ppb	1.0	31329.67	0.3930	Pulse	0.1000	3
Tl	205	209	He	0.049	ppb	19.1	360.02	0.0025	Pulse	0.1000	3
Pb	208	209	He	0.049	ppb	20.3	686.71	0.0048	Pulse	0.1000	3
U	238	209	He	0.022	ppb	32.4	290.01	0.0020	Pulse	0.1000	3

ISTD Table:

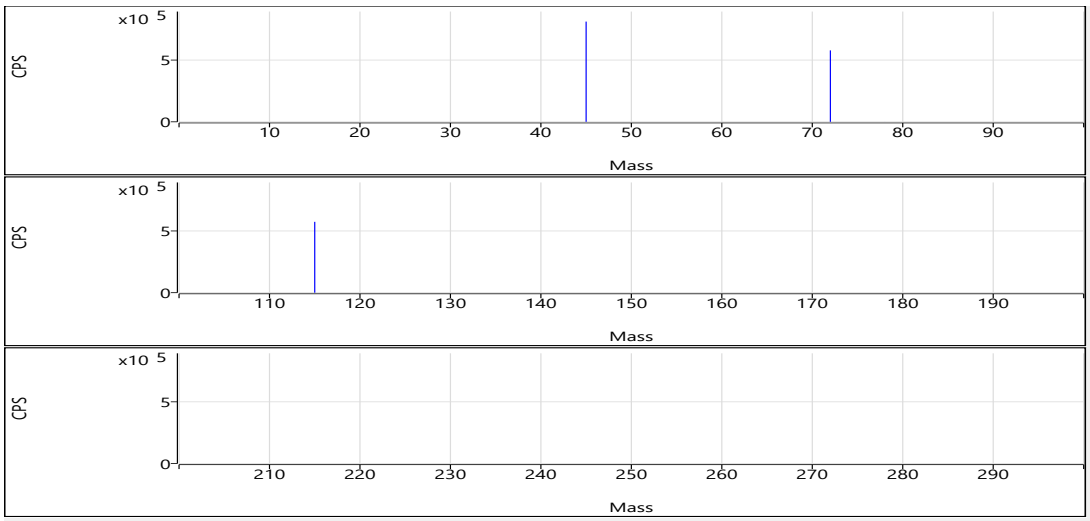
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712089.16	1.2	104.2	Pulse	0.1000	3
No Gas	Ge	72	375324.40	1.2	103.8	Pulse	0.1000	3
H2	Sc	45	815519.05	1.5	105.4	Pulse	0.1000	3
H2	Ge	72	581162.88	1.2	106.8	Pulse	0.1000	3
H2	In	115	576571.10	1.0	104.5	Pulse	0.1000	3
He	Sc	45	57162.36	1.2	102.4	Pulse	0.1000	3
He	Ge	72	91839.16	1.8	102.8	Pulse	0.1000	3
He	In	115	79711.56	0.9	105.0	Pulse	0.1000	3
He	Tb	159	231415.77	1.3	105.3	Pulse	0.1000	3
He	Bi	209	143869.82	1.8	104.4	Pulse	0.1000	3

No Gas

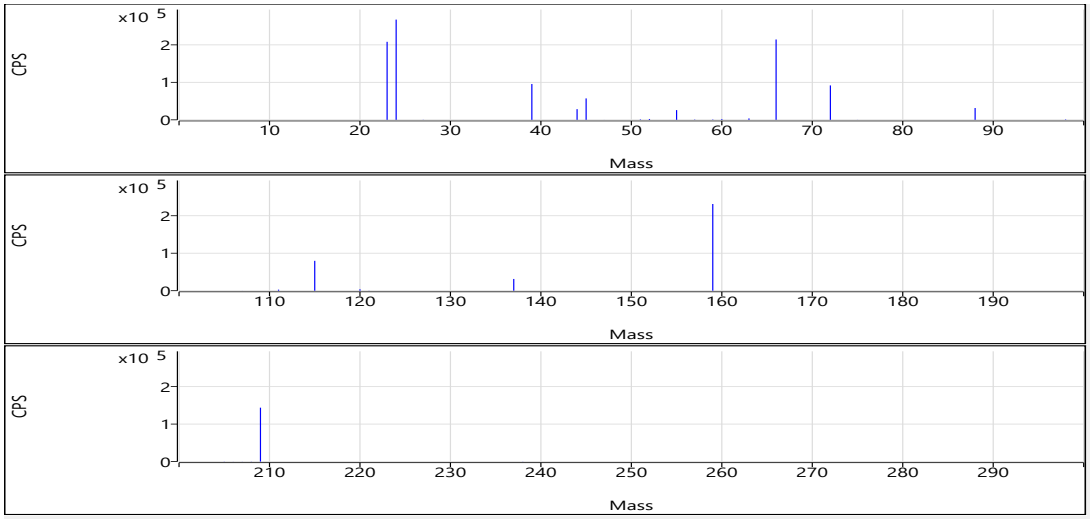


H2



Quantitation Report

He



Quantitation Report

Data File Name	117SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:51:11
Sample Name	410-234871-B-1-C MS
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

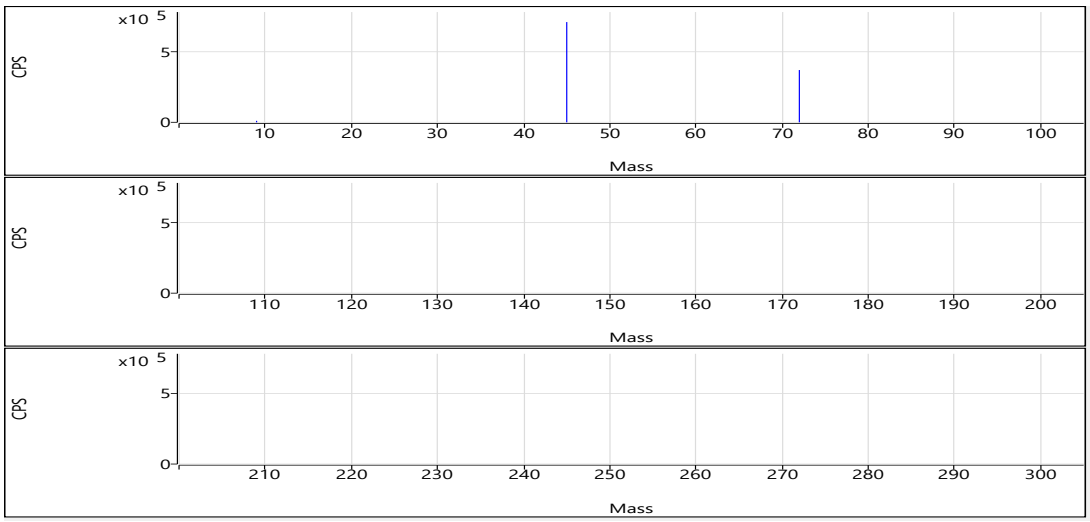
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.616	ppb	1.5	10415.01	0.0146	Pulse	0.5000	3
Se	78	72	H2	94.459	ppb	1.0	21402.27	0.0374	Pulse	1.5000	3
Na	23	45	He	5506.024	ppb	1.4	1296958.65	21.8314	Pulse	0.1000	3
Mg	24	45	He	6920.509	ppb	1.2	819136.26	13.7882	Pulse	0.1000	3
Al	27	45	He	4612.306	ppb	0.8	192176.48	3.2345	Pulse	0.1000	3
K	39	45	He	5362.048	ppb	1.5	623068.75	10.4887	Pulse	0.1000	3
Ca	44	45	He	9531.851	ppb	1.5	56158.33	0.9454	Pulse	0.1000	3
Ti	47	45	He	462.588	ppb	2.6	18922.70	0.3186	Pulse	0.1000	3
V	51	45	He	461.395	ppb	1.6	719472.12	12.1118	Pulse	0.5000	3
Cr	52	72	He	471.378	ppb	1.7	881168.48	9.4414	Pulse	0.1000	3
Mn	55	45	He	492.989	ppb	0.9	456874.24	7.6903	Pulse	0.1000	3
Fe	57	45	He	4583.354	ppb	1.2	171013.12	2.8787	Pulse	0.1000	3
Co	59	72	He	471.209	ppb	1.9	1571947.32	16.8430	Pulse	0.1000	3
Ni	60	115	He	463.993	ppb	0.1	434105.75	5.4112	Pulse	0.1000	3
Cu	63	115	He	467.667	ppb	0.5	1205371.00	15.0261	Pulse	0.1000	3
Zn	66	72	He	1197.383	ppb	1.0	360908.35	3.8671	Pulse	0.1000	3
As	75	72	He	482.784	ppb	1.1	113055.25	1.2114	Pulse	0.5000	3
Sr	88	72	He	72.400	ppb	0.5	89752.21	0.9616	Pulse	0.1000	3
Mo	98	72	He	44.688	ppb	2.7	85730.66	0.9185	Pulse	0.1000	3
Ag	107	115	He	47.275	ppb	0.9	175832.27	2.1916	Pulse	0.1000	3
Cd	111	115	He	52.763	ppb	0.3	24726.38	0.3082	Pulse	0.5000	3
Sn	120	115	He	89.177	ppb	0.4	141531.42	1.7642	Pulse	0.1000	3
Sb	121	115	He	84.073	ppb	0.7	115002.56	1.4335	Pulse	0.1000	3
Ba	137	115	He	536.731	ppb	1.3	268259.77	3.3437	Pulse	0.1000	3
Tl	205	209	He	95.234	ppb	2.1	562888.22	3.8635	Pulse	0.1000	3
Pb	208	209	He	46.887	ppb	1.1	369179.19	2.5340	Pulse	0.1000	3
U	238	209	He	45.776	ppb	1.3	349408.49	2.3983	Pulse	0.1000	3

ISTD Table:

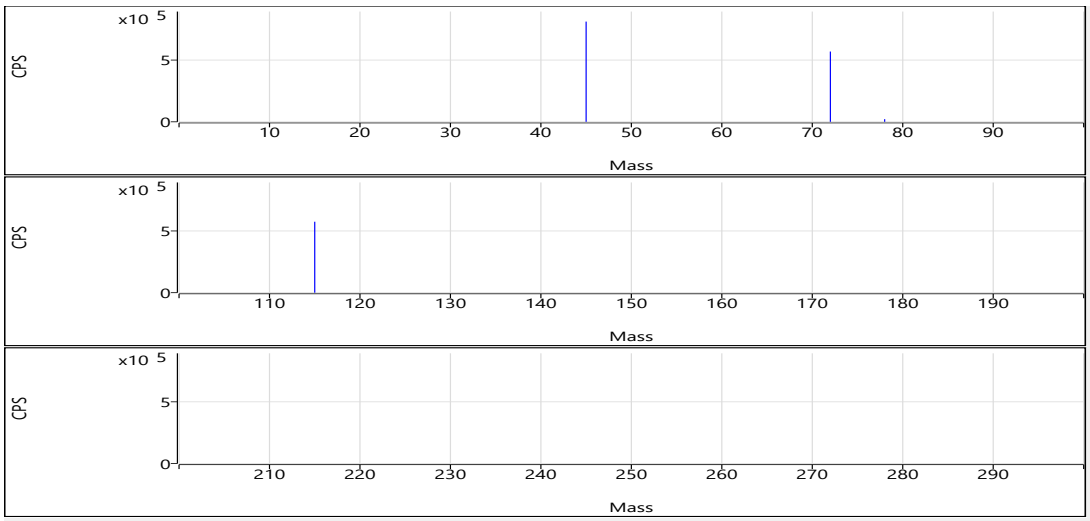
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	713540.06	0.9	104.4	Pulse	0.1000	3
No Gas	Ge	72	372048.03	0.9	102.9	Pulse	0.1000	3
H2	Sc	45	815325.67	1.2	105.4	Pulse	0.1000	3
H2	Ge	72	571699.21	0.6	105.1	Pulse	0.1000	3
H2	In	115	577249.33	0.7	104.7	Pulse	0.1000	3
He	Sc	45	59418.20	2.6	106.5	Pulse	0.1000	3
He	Ge	72	93332.55	1.2	104.5	Pulse	0.1000	3
He	In	115	80222.84	1.7	105.6	Pulse	0.1000	3
He	Tb	159	233851.14	1.7	106.4	Pulse	0.1000	3
He	Bi	209	145688.01	0.7	105.8	Pulse	0.1000	3

No Gas

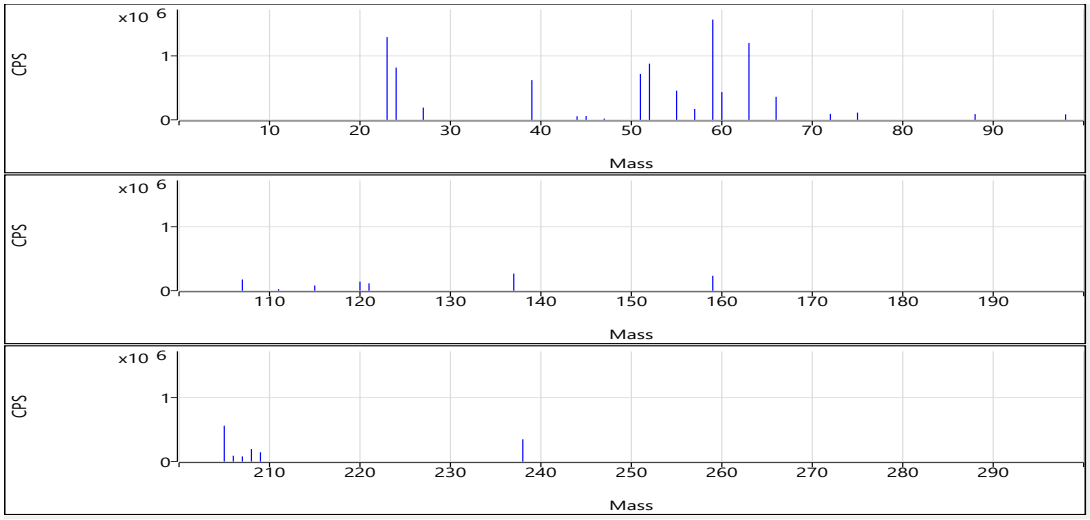


H2



Quantitation Report

He



Quantitation Report

Data File Name	118SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:53:17
Sample Name	410-234871-B-1-D MSD
Sample Type	Sample
Comment	MS-C1
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

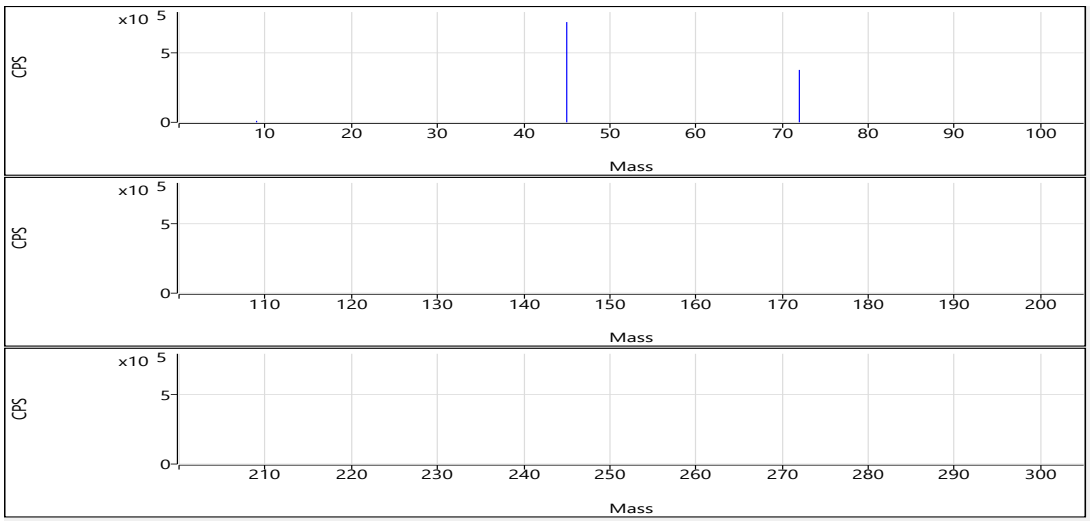
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.183	ppb	3.2	10372.95	0.0145	Pulse	0.5000	3
Se	78	72	H2	92.325	ppb	1.5	20914.44	0.0366	Pulse	1.5000	3
Na	23	45	He	5306.773	ppb	0.9	1260012.64	21.0511	Pulse	0.1000	3
Mg	24	45	He	6708.717	ppb	0.5	800063.32	13.3665	Pulse	0.1000	3
Al	27	45	He	4440.690	ppb	0.9	186406.94	3.1143	Pulse	0.1000	3
K	39	45	He	5167.325	ppb	0.5	606122.78	10.1263	Pulse	0.1000	3
Ca	44	45	He	9337.967	ppb	2.2	55438.75	0.9262	Pulse	0.1000	3
Ti	47	45	He	456.923	ppb	3.3	18836.02	0.3147	Pulse	0.1000	3
V	51	45	He	444.240	ppb	0.2	698051.36	11.6621	Pulse	0.5000	3
Cr	52	72	He	453.510	ppb	1.2	855115.28	9.0843	Pulse	0.1000	3
Mn	55	45	He	473.855	ppb	1.2	442452.61	7.3920	Pulse	0.1000	3
Fe	57	45	He	4473.722	ppb	0.3	168194.18	2.8099	Pulse	0.1000	3
Co	59	72	He	454.164	ppb	1.0	1528112.58	16.2338	Pulse	0.1000	3
Ni	60	115	He	448.061	ppb	1.5	421805.60	5.2259	Pulse	0.1000	3
Cu	63	115	He	450.807	ppb	1.6	1169079.98	14.4845	Pulse	0.1000	3
Zn	66	72	He	1180.917	ppb	1.4	359002.65	3.8139	Pulse	0.1000	3
As	75	72	He	466.473	ppb	1.4	110176.05	1.1705	Pulse	0.5000	3
Sr	88	72	He	71.480	ppb	1.1	89372.92	0.9494	Pulse	0.1000	3
Mo	98	72	He	45.711	ppb	0.9	88439.42	0.9395	Pulse	0.1000	3
Ag	107	115	He	46.274	ppb	1.7	173142.49	2.1452	Pulse	0.1000	3
Cd	111	115	He	51.501	ppb	1.5	24282.26	0.3008	Pulse	0.5000	3
Sn	120	115	He	90.841	ppb	1.4	144967.78	1.7960	Pulse	0.1000	3
Sb	121	115	He	87.408	ppb	2.1	120282.86	1.4903	Pulse	0.1000	3
Ba	137	115	He	525.094	ppb	2.3	264005.80	3.2712	Pulse	0.1000	3
Tl	205	209	He	90.936	ppb	0.6	545441.88	3.6892	Pulse	0.1000	3
Pb	208	209	He	45.155	ppb	1.2	360810.15	2.4405	Pulse	0.1000	3
U	238	209	He	44.202	ppb	0.9	342384.15	2.3158	Pulse	0.1000	3

ISTD Table:

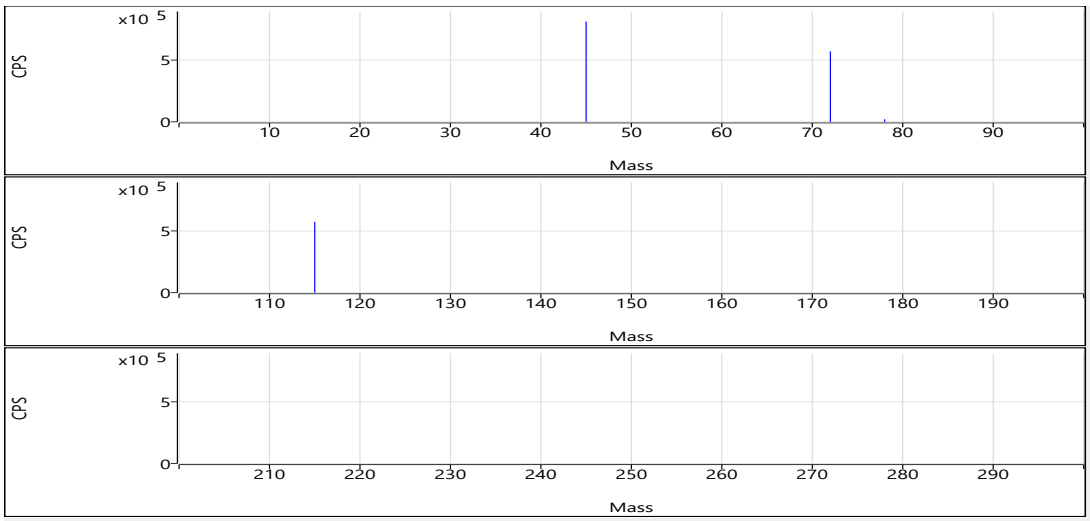
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	717134.52	0.6	104.9	Pulse	0.1000	3
No Gas	Ge	72	374854.84	0.2	103.6	Pulse	0.1000	3
H2	Sc	45	813763.45	0.5	105.2	Pulse	0.1000	3
H2	Ge	72	571641.93	1.4	105.1	Pulse	0.1000	3
H2	In	115	575588.87	1.1	104.4	Pulse	0.1000	3
He	Sc	45	59856.55	0.5	107.2	Pulse	0.1000	3
He	Ge	72	94137.35	0.9	105.4	Pulse	0.1000	3
He	In	115	80732.39	2.3	106.3	Pulse	0.1000	3
He	Tb	159	236807.37	0.7	107.7	Pulse	0.1000	3
He	Bi	209	147852.45	0.9	107.3	Pulse	0.1000	3

No Gas

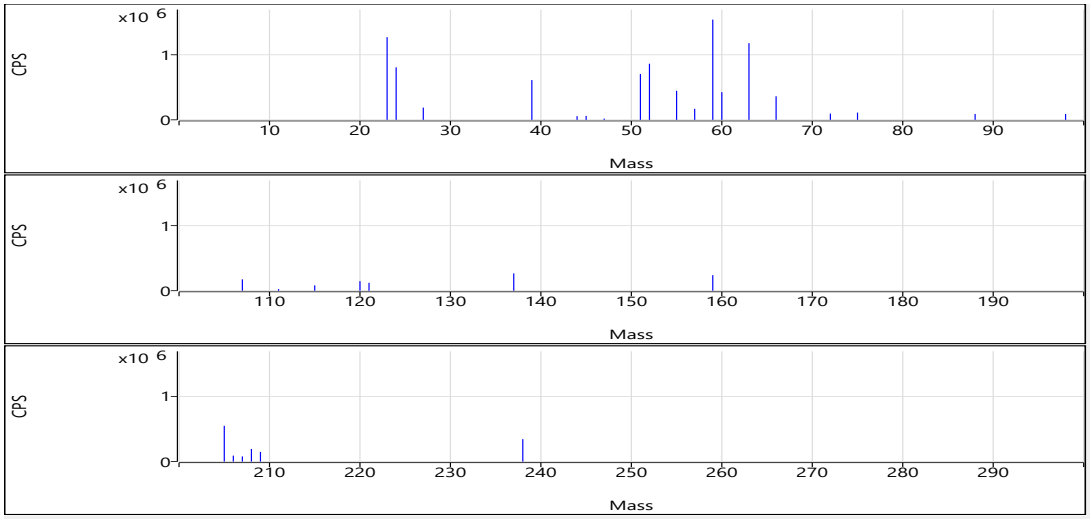


H2



Quantitation Report

He



Quantitation Report

Data File Name	120_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 18:57:28
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

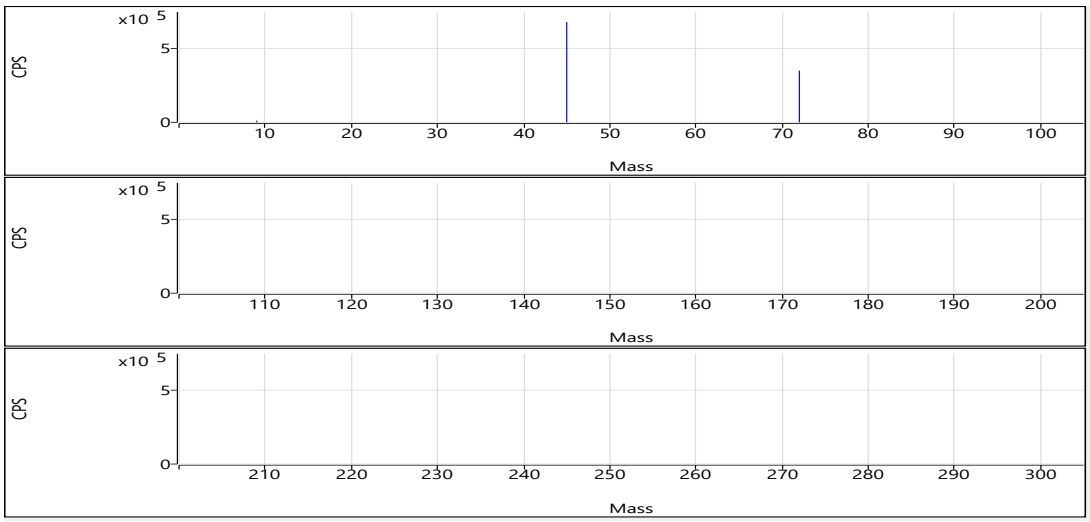
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.473	ppb	0.3	10246.21	0.0152	Pulse	0.5000	3
Se	78	72	H2	52.432	ppb	1.3	11064.02	0.0208	Pulse	1.5000	3
Na	23	45	He	5040.558	ppb	0.7	1098972.59	20.0084	Pulse	0.1000	3
Mg	24	45	He	5043.045	ppb	1.0	552021.72	10.0505	Pulse	0.1000	3
Al	27	45	He	5101.160	ppb	2.0	196469.03	3.5770	Pulse	0.1000	3
K	39	45	He	5107.218	ppb	1.1	550040.68	10.0145	Pulse	0.1000	3
Ca	44	45	He	5179.119	ppb	2.9	28324.68	0.5157	Pulse	0.1000	3
Ti	47	45	He	5071.953	ppb	1.2	191813.24	3.4923	Pulse	0.1000	3
V	51	45	He	509.743	ppb	1.3	734850.48	13.3792	Pulse	0.5000	3
Cr	52	72	He	528.967	ppb	2.0	899575.06	10.5921	Pulse	0.1000	3
Mn	55	45	He	509.675	ppb	1.3	436674.51	7.9504	Pulse	0.1000	3
Fe	57	45	He	5119.575	ppb	1.1	176580.75	3.2150	Pulse	0.1000	3
Co	59	72	He	531.201	ppb	1.9	1612575.23	18.9871	Pulse	0.1000	3
Ni	60	115	He	512.843	ppb	1.3	446761.69	5.9794	Pulse	0.1000	3
Cu	63	115	He	508.722	ppb	1.1	1221259.28	16.3449	Pulse	0.1000	3
Zn	66	72	He	524.710	ppb	2.3	143967.30	1.6952	Pulse	0.1000	3
As	75	72	He	531.425	ppb	1.2	113248.98	1.3334	Pulse	0.5000	3
Sr	88	72	He	52.051	ppb	1.3	58798.88	0.6923	Pulse	0.1000	3
Mo	98	72	He	53.675	ppb	1.7	93686.39	1.1031	Pulse	0.1000	3
Ag	107	115	He	51.514	ppb	1.2	178433.03	2.3881	Pulse	0.1000	3
Cd	111	115	He	50.728	ppb	0.7	22141.43	0.2963	Pulse	0.5000	3
Sn	120	115	He	50.900	ppb	1.5	77056.35	1.0313	Pulse	0.1000	3
Sb	121	115	He	51.776	ppb	0.8	65970.09	0.8829	Pulse	0.1000	3
Ba	137	115	He	516.257	ppb	0.8	240310.33	3.2162	Pulse	0.1000	3
Tl	205	209	He	51.332	ppb	1.8	284979.64	2.0827	Pulse	0.1000	3
Pb	208	209	He	51.098	ppb	1.9	377837.86	2.7614	Pulse	0.1000	3
U	238	209	He	50.357	ppb	1.4	360998.21	2.6382	Pulse	0.1000	3

ISTD Table:

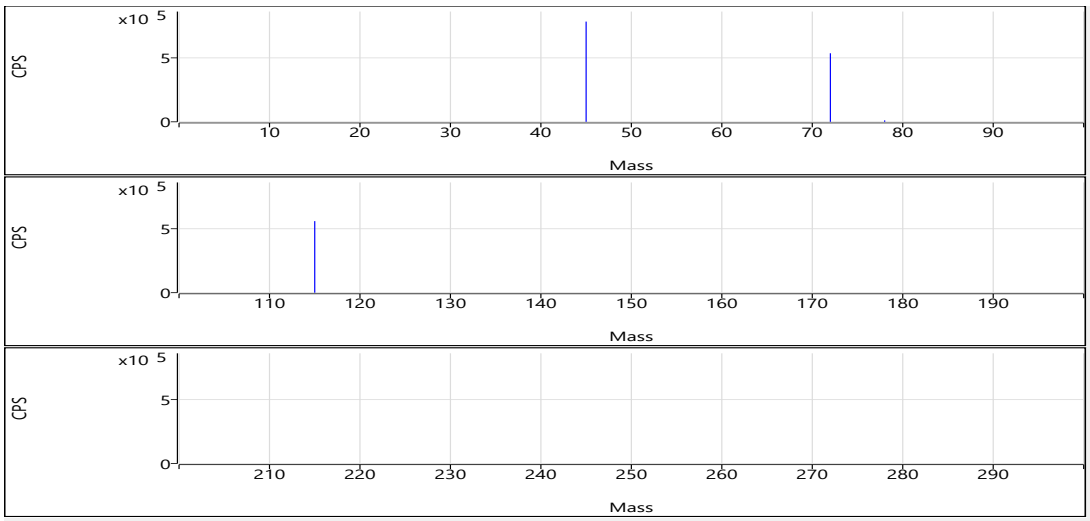
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	676215.33	0.5	98.9	Pulse	0.1000	3
No Gas	Ge	72	349027.17	0.4	96.5	Pulse	0.1000	3
H2	Sc	45	778239.08	0.3	100.6	Pulse	0.1000	3
H2	Ge	72	532281.57	0.3	97.8	Pulse	0.1000	3
H2	In	115	555645.98	0.3	100.7	Pulse	0.1000	3
He	Sc	45	54927.19	0.7	98.4	Pulse	0.1000	3
He	Ge	72	84943.81	1.3	95.1	Pulse	0.1000	3
He	In	115	74721.59	0.7	98.4	Pulse	0.1000	3
He	Tb	159	222297.47	1.0	101.1	Pulse	0.1000	3
He	Bi	209	136856.54	1.6	99.3	Pulse	0.1000	3

No Gas

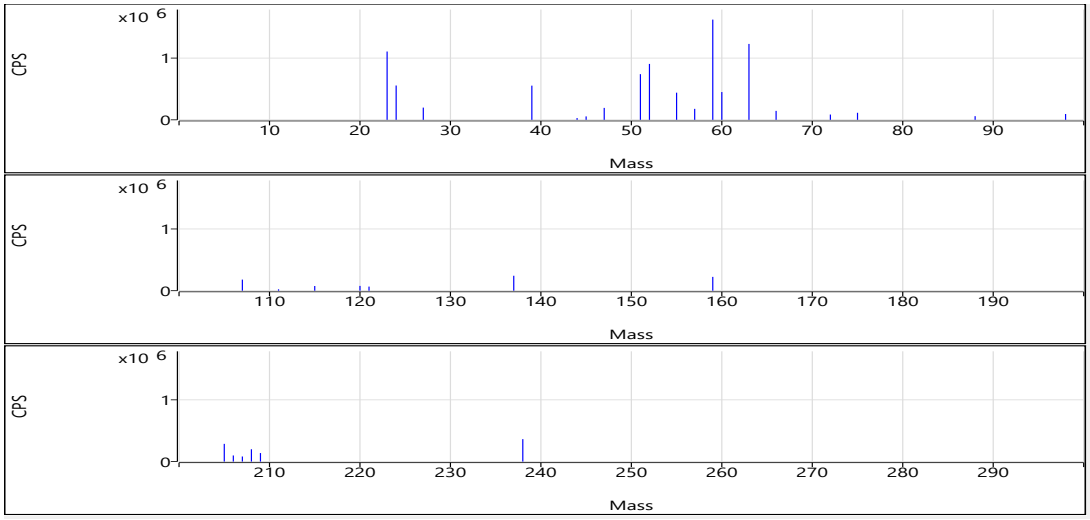


H2



Quantitation Report

He



Quantitation Report

Data File Name	122_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:01:42
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

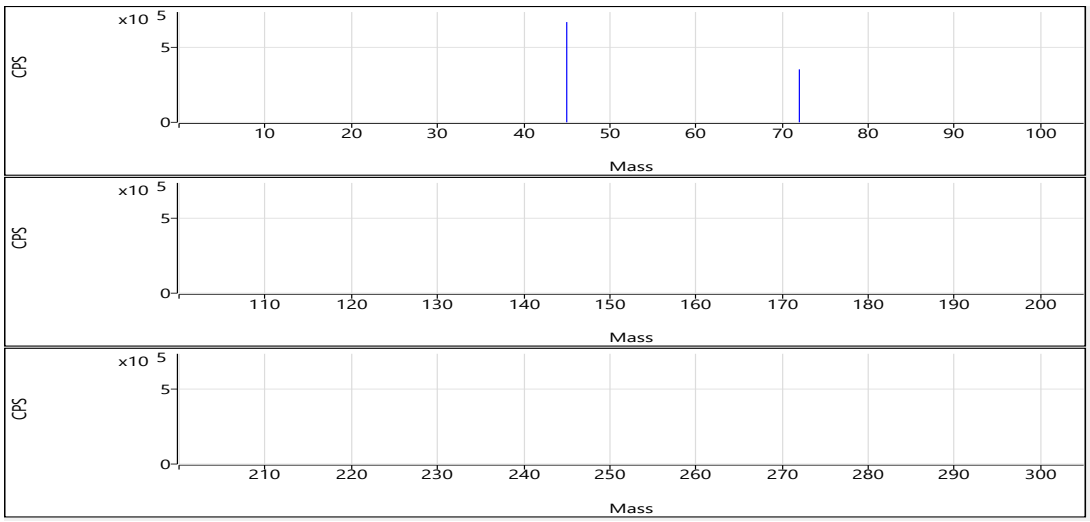
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ppb	602.2	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.174	ppb	8.5	45.34	0.0001	Pulse	1.5000	3
Na	23	45	He	18.622	ppb	8.6	18805.74	0.3399	Pulse	0.1000	3
Mg	24	45	He	7.917	ppb	7.8	1470.13	0.0266	Pulse	0.1000	3
Al	27	45	He	3.467	ppb	10.5	280.01	0.0051	Pulse	0.1000	3
K	39	45	He	16.337	ppb	129.9	29994.79	0.5419	Pulse	0.1000	3
Ca	44	45	He	42.612	ppb	32.9	480.03	0.0087	Pulse	0.1000	3
Ti	47	45	He	2.183	ppb	26.6	86.67	0.0016	Pulse	0.1000	3
V	51	45	He	0.411	ppb	16.5	1526.76	0.0276	Pulse	0.5000	3
Cr	52	72	He	0.294	ppb	11.2	2490.30	0.0282	Pulse	0.1000	3
Mn	55	45	He	0.556	ppb	14.8	730.05	0.0132	Pulse	0.1000	3
Fe	57	45	He	6.424	ppb	50.0	460.02	0.0083	Pulse	0.1000	3
Co	59	72	He	0.377	ppb	6.1	1370.12	0.0155	Pulse	0.1000	3
Ni	60	115	He	0.247	ppb	116.4	1356.78	0.0176	Pulse	0.1000	3
Cu	63	115	He	0.381	ppb	14.9	1196.76	0.0155	Pulse	0.1000	3
Zn	66	72	He	1.069	ppb	28.7	393.35	0.0045	Pulse	0.1000	3
As	75	72	He	0.632	ppb	8.9	198.00	0.0022	Pulse	0.5000	3
Sr	88	72	He	0.348	ppb	3.7	700.04	0.0079	Pulse	0.1000	3
Mo	98	72	He	0.168	ppb	10.9	356.69	0.0040	Pulse	0.1000	3
Ag	107	115	He	0.023	ppb	59.2	116.67	0.0015	Pulse	0.1000	3
Cd	111	115	He	0.038	ppb	30.3	19.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.012	ppb	N/A	4374.17	0.0565	Pulse	0.1000	3
Sb	121	115	He	0.445	ppb	16.8	610.04	0.0079	Pulse	0.1000	3
Ba	137	115	He	0.371	ppb	28.3	273.35	0.0035	Pulse	0.1000	3
Tl	205	209	He	0.087	ppb	10.8	563.37	0.0041	Pulse	0.1000	3
Pb	208	209	He	0.028	ppb	45.4	503.36	0.0036	Pulse	0.1000	3
U	238	209	He	0.049	ppb	11.0	476.69	0.0034	Pulse	0.1000	3

ISTD Table:

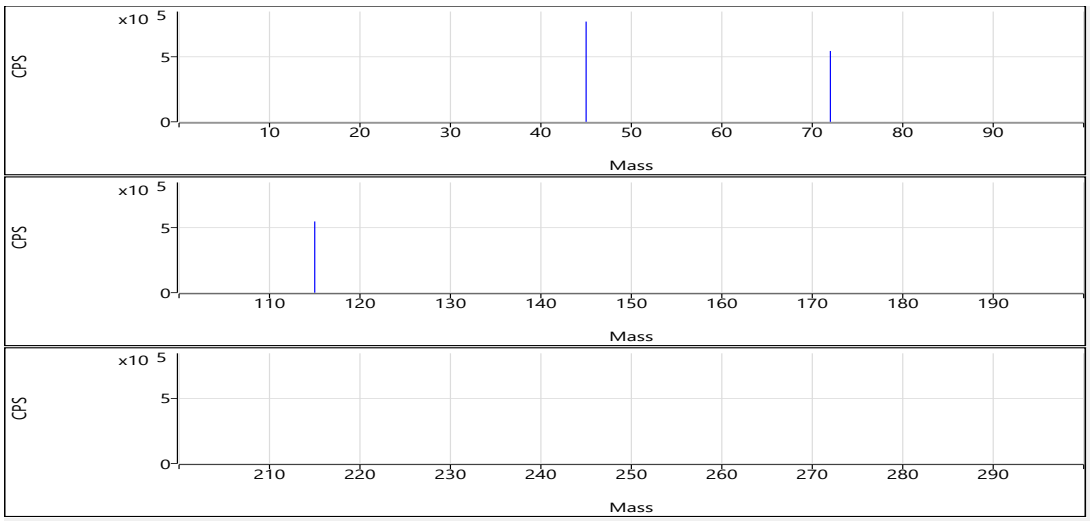
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	667665.48	1.2	97.7	Pulse	0.1000	3
No Gas	Ge	72	352630.75	1.2	97.5	Pulse	0.1000	3
H2	Sc	45	776305.90	0.6	100.4	Pulse	0.1000	3
H2	Ge	72	548717.33	0.3	100.9	Pulse	0.1000	3
H2	In	115	551802.24	0.5	100.0	Pulse	0.1000	3
He	Sc	45	55338.64	1.5	99.1	Pulse	0.1000	3
He	Ge	72	88303.84	1.3	98.9	Pulse	0.1000	3
He	In	115	77441.13	2.5	102.0	Pulse	0.1000	3
He	Tb	159	225062.46	1.8	102.4	Pulse	0.1000	3
He	Bi	209	139055.78	1.0	100.9	Pulse	0.1000	3

No Gas

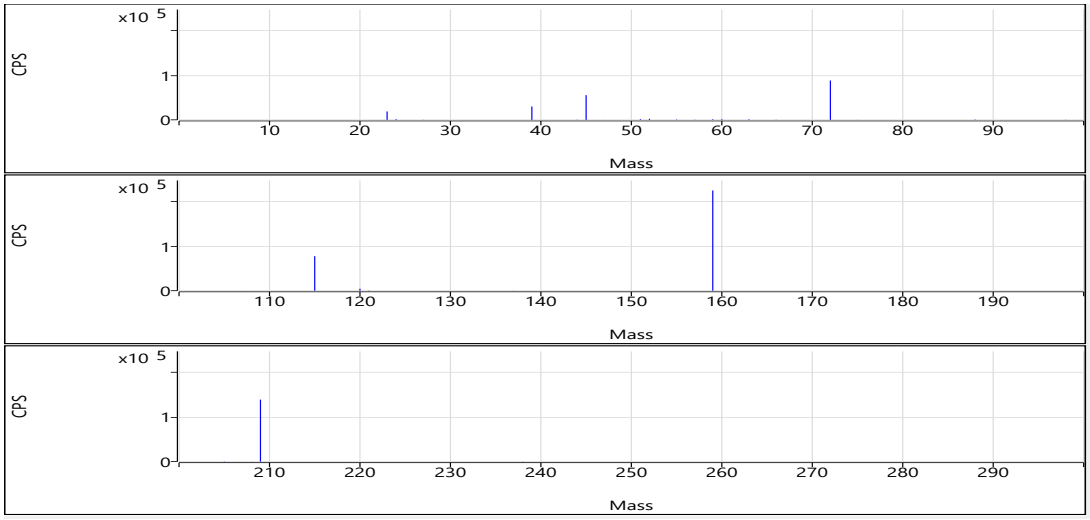


H2



Quantitation Report

He



Quantitation Report

Data File Name	123SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:03:48
Sample Name	410-234898-K-4-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

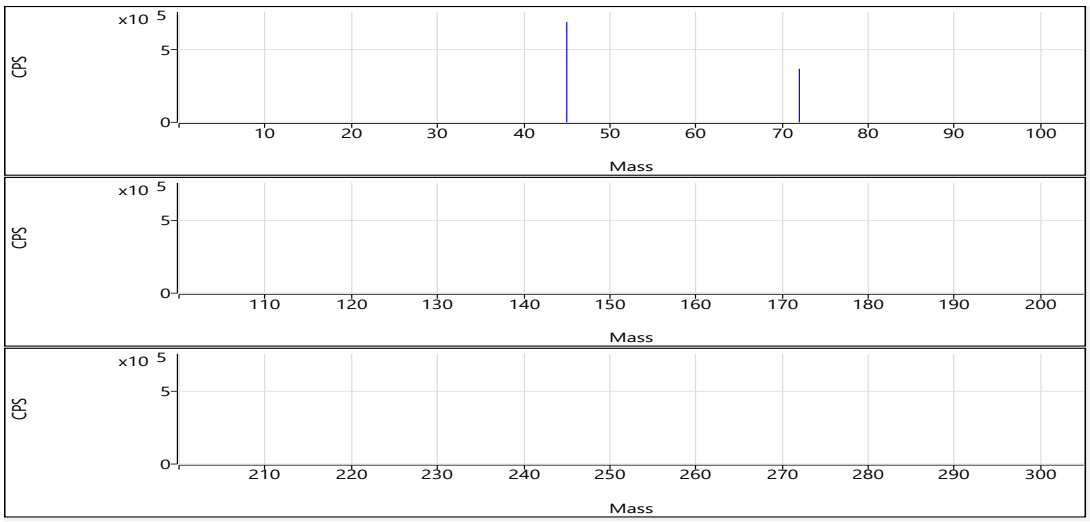
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.018	ppb	85.7	27.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.151	ppb	9.7	42.00	0.0001	Pulse	1.5000	3
Na	23	45	He	7107.018	ppb	1.2	1599872.43	28.1018	Pulse	0.1000	3
Mg	24	45	He	34934.073	ppb	0.9	3960084.63	69.5576	Pulse	0.1000	3
Al	27	45	He	4.777	ppb	30.2	340.02	0.0060	Pulse	0.1000	3
K	39	45	He	2633.102	ppb	1.5	308048.43	5.4109	Pulse	0.1000	3
Ca	44	45	He	93232.950	ppb	0.8	524211.52	9.2075	Pulse	0.1000	3
Ti	47	45	He	2.124	ppb	25.1	86.67	0.0015	Pulse	0.1000	3
V	51	45	He	0.438	ppb	13.2	1610.10	0.0283	Pulse	0.5000	3
Cr	52	72	He	0.331	ppb	25.6	2660.36	0.0289	Pulse	0.1000	3
Mn	55	45	He	2544.081	ppb	1.6	2258261.53	39.6670	Pulse	0.1000	3
Fe	57	45	He	7402.917	ppb	2.1	264551.51	4.6470	Pulse	0.1000	3
Co	59	72	He	12.195	ppb	2.7	40236.48	0.4379	Pulse	0.1000	3
Ni	60	115	He	10.232	ppb	4.2	10330.68	0.1337	Pulse	0.1000	3
Cu	63	115	He	0.445	ppb	15.0	1356.79	0.0175	Pulse	0.1000	3
Zn	66	72	He	7.039	ppb	4.8	2180.25	0.0237	Pulse	0.1000	3
As	75	72	He	5.143	ppb	5.7	1245.39	0.0136	Pulse	0.5000	3
Sr	88	72	He	87.683	ppb	2.1	106960.35	1.1639	Pulse	0.1000	3
Mo	98	72	He	0.670	ppb	3.3	1320.10	0.0144	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	44.3	120.00	0.0016	Pulse	0.1000	3
Cd	111	115	He	0.035	ppb	56.6	18.00	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.403	ppb	N/A	3790.66	0.0491	Pulse	0.1000	3
Sb	121	115	He	0.296	ppb	8.3	413.35	0.0054	Pulse	0.1000	3
Ba	137	115	He	365.510	ppb	2.4	175987.52	2.2774	Pulse	0.1000	3
Tl	205	209	He	0.138	ppb	3.6	863.39	0.0061	Pulse	0.1000	3
Pb	208	209	He	0.044	ppb	45.5	633.37	0.0045	Pulse	0.1000	3
U	238	209	He	0.600	ppb	5.3	4571.00	0.0323	Pulse	0.1000	3

ISTD Table:

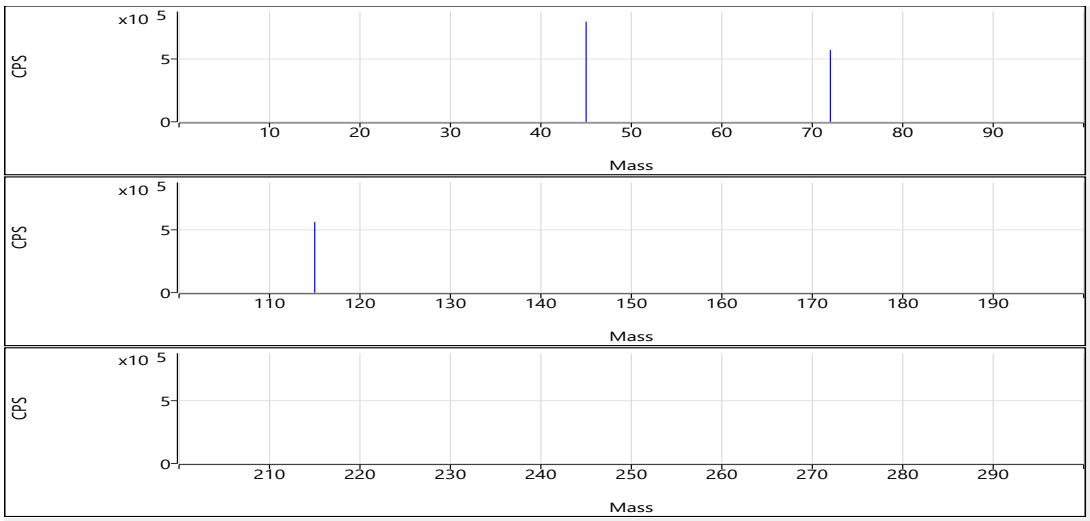
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	690998.64	0.9	101.1	Pulse	0.1000	3
No Gas	Ge	72	368830.01	0.8	102.0	Pulse	0.1000	3
H2	Sc	45	794338.11	0.5	102.7	Pulse	0.1000	3
H2	Ge	72	568790.26	0.6	104.6	Pulse	0.1000	3
H2	In	115	559810.15	0.4	101.5	Pulse	0.1000	3
He	Sc	45	56934.58	0.7	102.0	Pulse	0.1000	3
He	Ge	72	91920.01	2.1	102.9	Pulse	0.1000	3
He	In	115	77294.23	1.7	101.8	Pulse	0.1000	3
He	Tb	159	229609.50	0.9	104.5	Pulse	0.1000	3
He	Bi	209	141567.71	0.9	102.8	Pulse	0.1000	3

No Gas

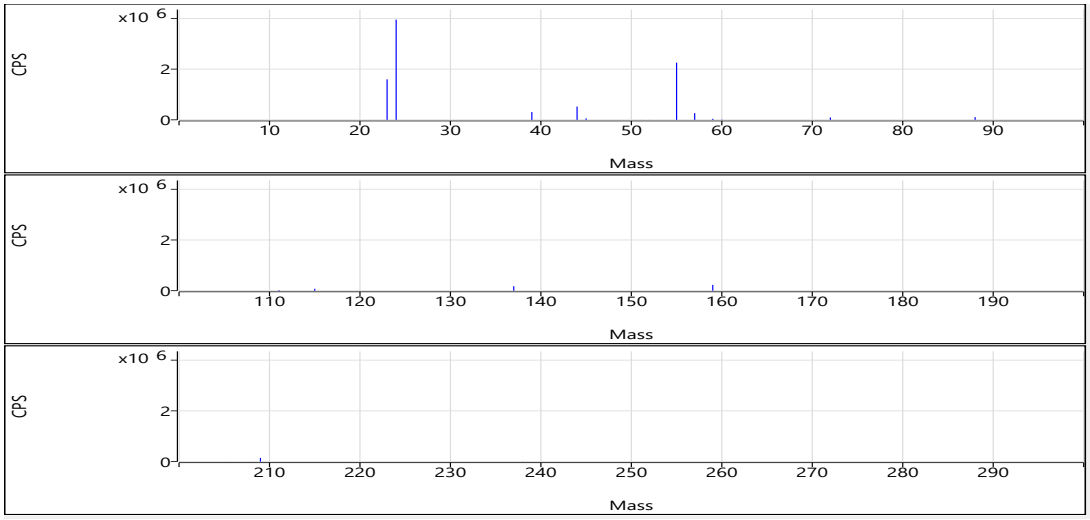


H2



Quantitation Report

He



Quantitation Report

Data File Name	124SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:05:54
Sample Name	410-234898-B-4-A DU
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

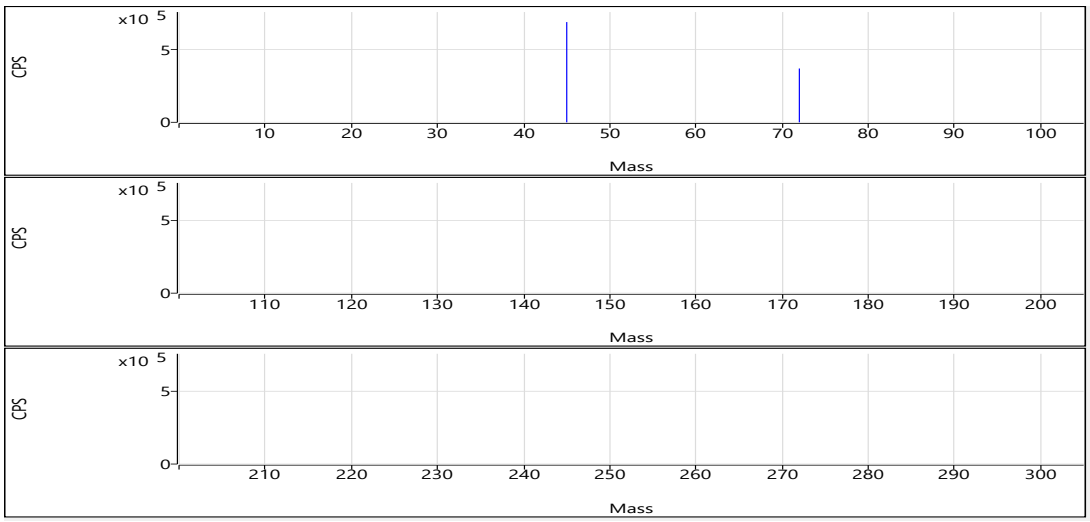
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.019	ppb	443.5	27.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.107	ppb	15.2	31.33	0.0001	Pulse	1.5000	3
Na	23	45	He	7151.650	ppb	0.6	1568881.38	28.2766	Pulse	0.1000	3
Mg	24	45	He	35432.669	ppb	1.8	3914090.25	70.5502	Pulse	0.1000	3
Al	27	45	He	2.261	ppb	90.6	233.35	0.0042	Pulse	0.1000	3
K	39	45	He	2690.318	ppb	0.3	306134.19	5.5174	Pulse	0.1000	3
Ca	44	45	He	94793.375	ppb	0.8	519408.57	9.3616	Pulse	0.1000	3
Ti	47	45	He	1.487	ppb	64.3	60.00	0.0011	Pulse	0.1000	3
V	51	45	He	0.345	ppb	9.8	1434.75	0.0259	Pulse	0.5000	3
Cr	52	72	He	0.319	ppb	23.8	2573.65	0.0287	Pulse	0.1000	3
Mn	55	45	He	2589.626	ppb	1.7	2240108.72	40.3771	Pulse	0.1000	3
Fe	57	45	He	7512.538	ppb	0.2	261652.27	4.7157	Pulse	0.1000	3
Co	59	72	He	12.470	ppb	0.6	40132.80	0.4477	Pulse	0.1000	3
Ni	60	115	He	10.047	ppb	1.8	9887.03	0.1316	Pulse	0.1000	3
Cu	63	115	He	0.411	ppb	8.5	1236.77	0.0165	Pulse	0.1000	3
Zn	66	72	He	6.982	ppb	11.6	2110.23	0.0235	Pulse	0.1000	3
As	75	72	He	4.888	ppb	6.4	1157.39	0.0129	Pulse	0.5000	3
Sr	88	72	He	89.297	ppb	1.6	106241.05	1.1853	Pulse	0.1000	3
Mo	98	72	He	0.639	ppb	7.3	1230.10	0.0137	Pulse	0.1000	3
Ag	107	115	He	0.026	ppb	47.8	123.34	0.0016	Pulse	0.1000	3
Cd	111	115	He	0.044	ppb	37.8	21.33	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.534	ppb	N/A	3497.23	0.0465	Pulse	0.1000	3
Sb	121	115	He	0.200	ppb	26.4	280.02	0.0037	Pulse	0.1000	3
Ba	137	115	He	371.309	ppb	1.7	173836.45	2.3135	Pulse	0.1000	3
Tl	205	209	He	0.120	ppb	7.7	743.38	0.0054	Pulse	0.1000	3
Pb	208	209	He	0.042	ppb	7.7	606.69	0.0044	Pulse	0.1000	3
U	238	209	He	0.604	ppb	2.2	4484.26	0.0325	Pulse	0.1000	3

ISTD Table:

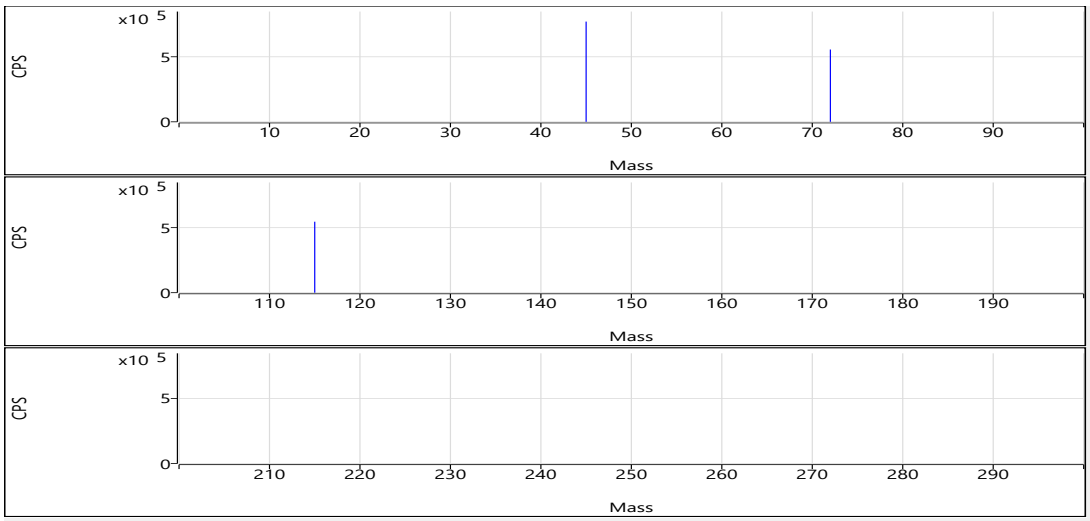
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	683927.59	0.9	100.0	Pulse	0.1000	3
No Gas	Ge	72	367082.13	0.8	101.5	Pulse	0.1000	3
H2	Sc	45	774728.82	0.9	100.2	Pulse	0.1000	3
H2	Ge	72	558785.97	0.4	102.7	Pulse	0.1000	3
H2	In	115	548684.84	0.2	99.5	Pulse	0.1000	3
He	Sc	45	55485.71	1.0	99.4	Pulse	0.1000	3
He	Ge	72	89638.27	0.8	100.4	Pulse	0.1000	3
He	In	115	75148.76	1.3	99.0	Pulse	0.1000	3
He	Tb	159	224359.27	0.9	102.1	Pulse	0.1000	3
He	Bi	209	138014.92	0.8	100.2	Pulse	0.1000	3

No Gas

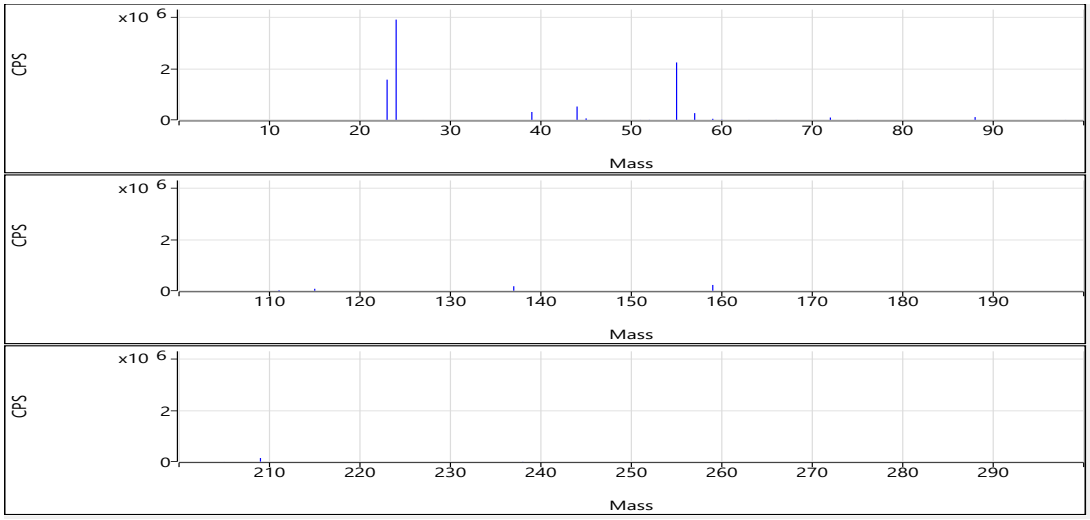


H2



Quantitation Report

He



Quantitation Report

Data File Name	125SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:08:00
Sample Name	410-234898-K-4-B MS
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

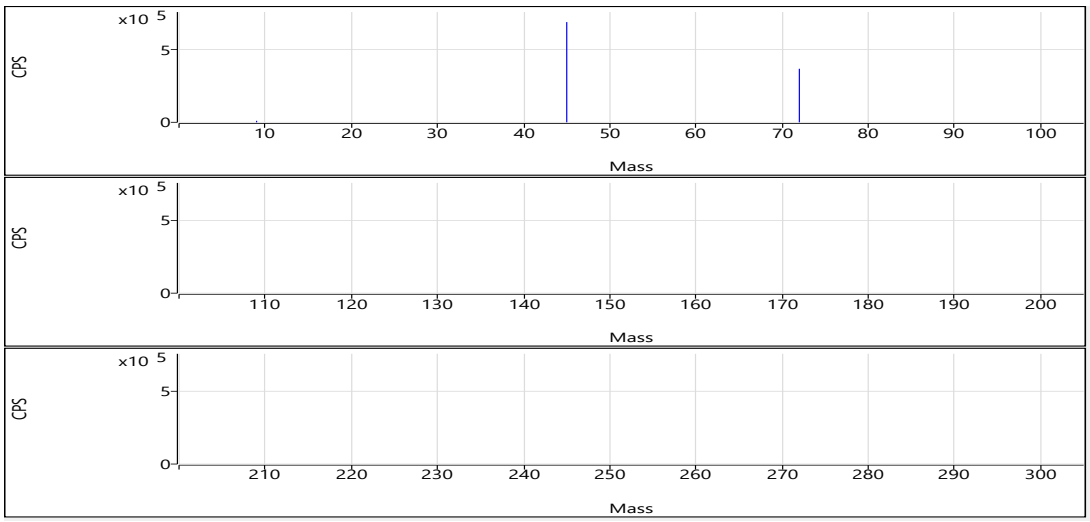
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.980	ppb	1.2	10085.43	0.0147	Pulse	0.5000	3
Se	78	72	H2	97.529	ppb	0.3	22129.35	0.0387	Pulse	1.5000	3
Na	23	45	He	11970.492	ppb	1.1	2793877.56	47.1497	Pulse	0.1000	3
Mg	24	45	He	39019.420	ppb	1.1	4603670.56	77.6907	Mix	0.1000	3
Al	27	45	He	4731.039	ppb	1.0	196593.75	3.3177	Pulse	0.1000	3
K	39	45	He	7451.287	ppb	1.1	851859.33	14.3761	Pulse	0.1000	3
Ca	44	45	He	96391.788	ppb	0.9	564083.01	9.5193	Pulse	0.1000	3
Ti	47	45	He	494.987	ppb	3.1	20197.92	0.3409	Pulse	0.1000	3
V	51	45	He	477.179	ppb	1.0	742211.58	12.5256	Pulse	0.5000	3
Cr	52	72	He	480.883	ppb	1.0	902160.59	9.6313	Pulse	0.1000	3
Mn	55	45	He	3096.733	ppb	1.2	2861002.87	48.2829	Pulse	0.1000	3
Fe	57	45	He	12296.100	ppb	1.2	457188.51	7.7157	Pulse	0.1000	3
Co	59	72	He	489.827	ppb	1.0	1640034.72	17.5084	Pulse	0.1000	3
Ni	60	115	He	488.627	ppb	0.4	446064.57	5.6977	Pulse	0.1000	3
Cu	63	115	He	480.462	ppb	1.1	1208535.74	15.4371	Pulse	0.1000	3
Zn	66	72	He	487.836	ppb	0.3	147648.38	1.5761	Pulse	0.1000	3
As	75	72	He	497.908	ppb	0.6	117026.03	1.2493	Pulse	0.5000	3
Sr	88	72	He	135.971	ppb	0.9	168897.35	1.8031	Pulse	0.1000	3
Mo	98	72	He	49.298	ppb	2.0	94896.80	1.0132	Pulse	0.1000	3
Ag	107	115	He	49.670	ppb	0.5	180267.74	2.3026	Pulse	0.1000	3
Cd	111	115	He	48.939	ppb	1.1	22380.49	0.2859	Pulse	0.5000	3
Sn	120	115	He	98.071	ppb	2.2	151446.23	1.9345	Pulse	0.1000	3
Sb	121	115	He	98.364	ppb	1.5	131291.51	1.6771	Pulse	0.1000	3
Ba	137	115	He	872.407	ppb	0.6	425420.64	5.4341	Pulse	0.1000	3
Tl	205	209	He	97.172	ppb	0.5	566471.67	3.9421	Pulse	0.1000	3
Pb	208	209	He	48.678	ppb	0.6	378025.93	2.6307	Pulse	0.1000	3
U	238	209	He	49.679	ppb	0.7	373994.14	2.6027	Pulse	0.1000	3

ISTD Table:

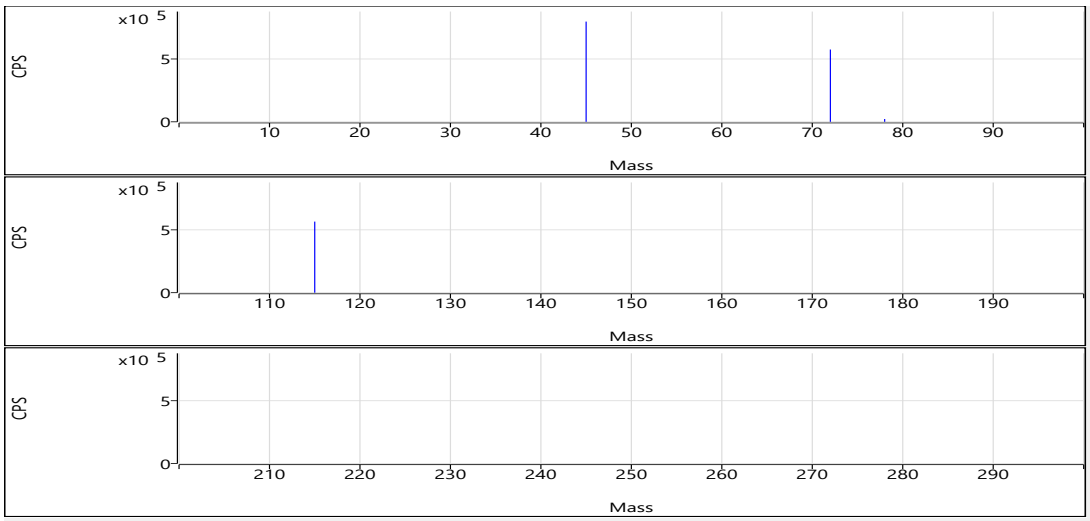
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	685808.50	1.0	100.3	Pulse	0.1000	3
No Gas	Ge	72	366321.82	1.2	101.3	Pulse	0.1000	3
H2	Sc	45	793802.18	0.8	102.6	Pulse	0.1000	3
H2	Ge	72	572513.20	0.5	105.2	Pulse	0.1000	3
H2	In	115	563027.22	0.7	102.1	Pulse	0.1000	3
He	Sc	45	59260.90	1.3	106.2	Pulse	0.1000	3
He	Ge	72	93677.25	1.2	104.9	Pulse	0.1000	3
He	In	115	78288.06	0.4	103.1	Pulse	0.1000	3
He	Tb	159	231337.11	0.6	105.3	Pulse	0.1000	3
He	Bi	209	143700.05	0.7	104.3	Pulse	0.1000	3

No Gas

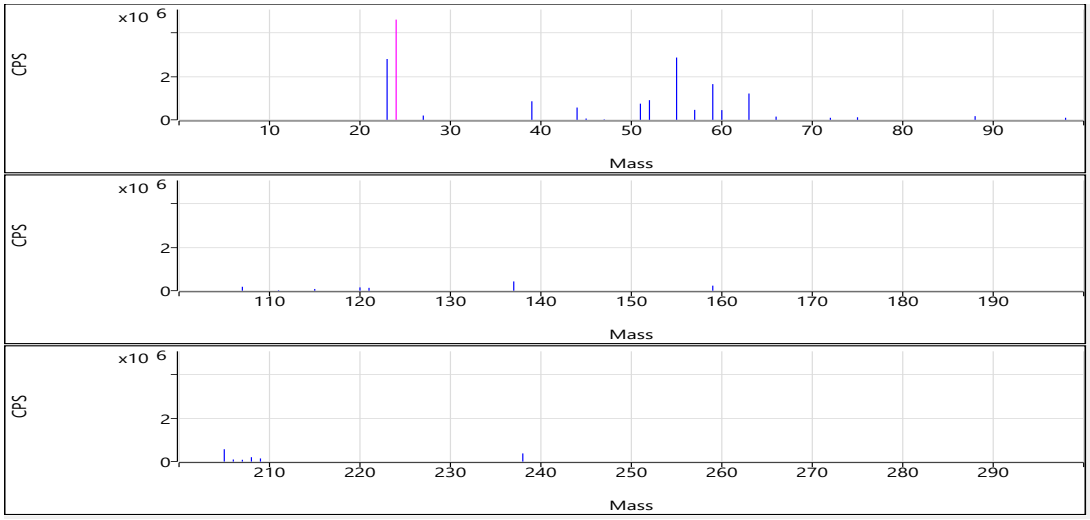


H2



Quantitation Report

He



Quantitation Report

Data File Name	126SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:10:06
Sample Name	410-234898-K-4-C MSD
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

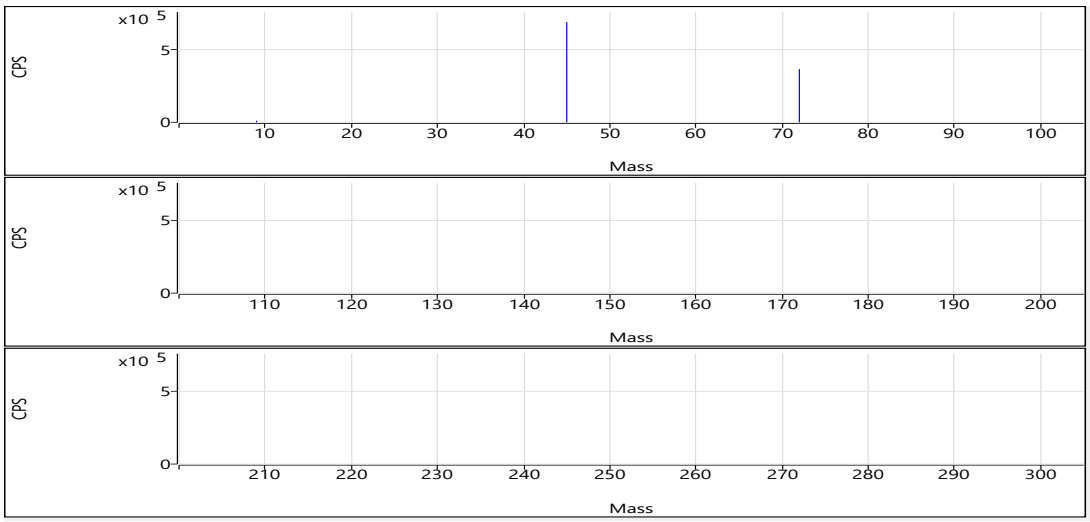
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.124	ppb	1.6	10352.29	0.0150	Pulse	0.5000	3
Se	78	72	H2	97.486	ppb	0.3	22103.32	0.0386	Pulse	1.5000	3
Na	23	45	He	11873.451	ppb	2.0	2837019.75	46.7696	Pulse	0.1000	3
Mg	24	45	He	39374.734	ppb	1.9	4755892.95	78.3981	Analog	0.1000	3
Al	27	45	He	4744.475	ppb	1.6	201827.65	3.3271	Pulse	0.1000	3
K	39	45	He	7442.237	ppb	2.5	871036.42	14.3593	Pulse	0.1000	3
Ca	44	45	He	97599.433	ppb	1.5	584742.88	9.6386	Pulse	0.1000	3
Ti	47	45	He	490.275	ppb	2.8	20478.29	0.3376	Pulse	0.1000	3
V	51	45	He	478.564	ppb	1.8	762050.50	12.5619	Pulse	0.5000	3
Cr	52	72	He	478.370	ppb	1.5	929005.64	9.5811	Pulse	0.1000	3
Mn	55	45	He	3065.742	ppb	2.0	2899699.96	47.7998	Pulse	0.1000	3
Fe	57	45	He	12190.322	ppb	1.9	464113.73	7.6493	Pulse	0.1000	3
Co	59	72	He	485.950	ppb	2.0	1684244.71	17.3698	Pulse	0.1000	3
Ni	60	115	He	484.961	ppb	0.6	459970.42	5.6551	Pulse	0.1000	3
Cu	63	115	He	478.522	ppb	1.3	1250337.04	15.3748	Pulse	0.1000	3
Zn	66	72	He	485.315	ppb	1.9	152029.85	1.5680	Pulse	0.1000	3
As	75	72	He	499.877	ppb	1.7	121614.20	1.2542	Pulse	0.5000	3
Sr	88	72	He	134.181	ppb	2.7	172522.53	1.7794	Pulse	0.1000	3
Mo	98	72	He	49.798	ppb	1.9	99230.98	1.0235	Pulse	0.1000	3
Ag	107	115	He	49.382	ppb	1.3	186172.28	2.2892	Pulse	0.1000	3
Cd	111	115	He	48.756	ppb	1.8	23161.09	0.2848	Pulse	0.5000	3
Sn	120	115	He	97.746	ppb	0.4	156861.69	1.9282	Pulse	0.1000	3
Sb	121	115	He	97.391	ppb	1.4	135063.64	1.6605	Pulse	0.1000	3
Ba	137	115	He	851.724	ppb	1.2	431452.30	5.3053	Pulse	0.1000	3
Tl	205	209	He	98.048	ppb	1.9	588388.28	3.9777	Pulse	0.1000	3
Pb	208	209	He	48.154	ppb	0.3	384951.75	2.6024	Pulse	0.1000	3
U	238	209	He	49.382	ppb	0.7	382684.11	2.5871	Pulse	0.1000	3

ISTD Table:

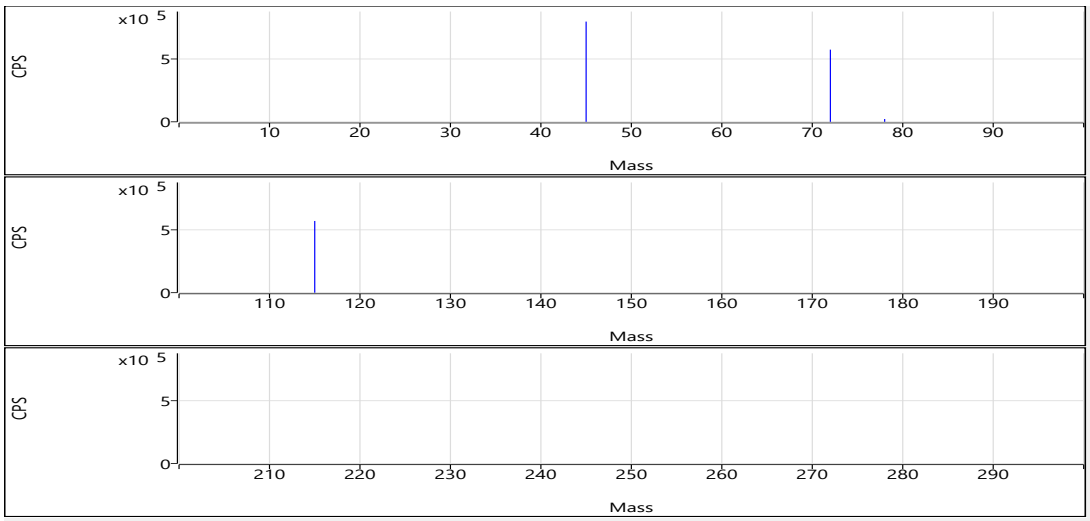
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	687993.74	0.4	100.6	Pulse	0.1000	3
No Gas	Ge	72	364804.46	0.6	100.9	Pulse	0.1000	3
H2	Sc	45	794501.99	0.6	102.7	Pulse	0.1000	3
H2	Ge	72	572086.00	0.6	105.2	Pulse	0.1000	3
H2	In	115	568489.33	0.1	103.1	Pulse	0.1000	3
He	Sc	45	60676.55	2.4	108.7	Pulse	0.1000	3
He	Ge	72	96968.93	1.2	108.6	Pulse	0.1000	3
He	In	115	81343.68	2.9	107.1	Pulse	0.1000	3
He	Tb	159	239397.37	1.5	108.9	Pulse	0.1000	3
He	Bi	209	147919.14	0.2	107.4	Pulse	0.1000	3

No Gas

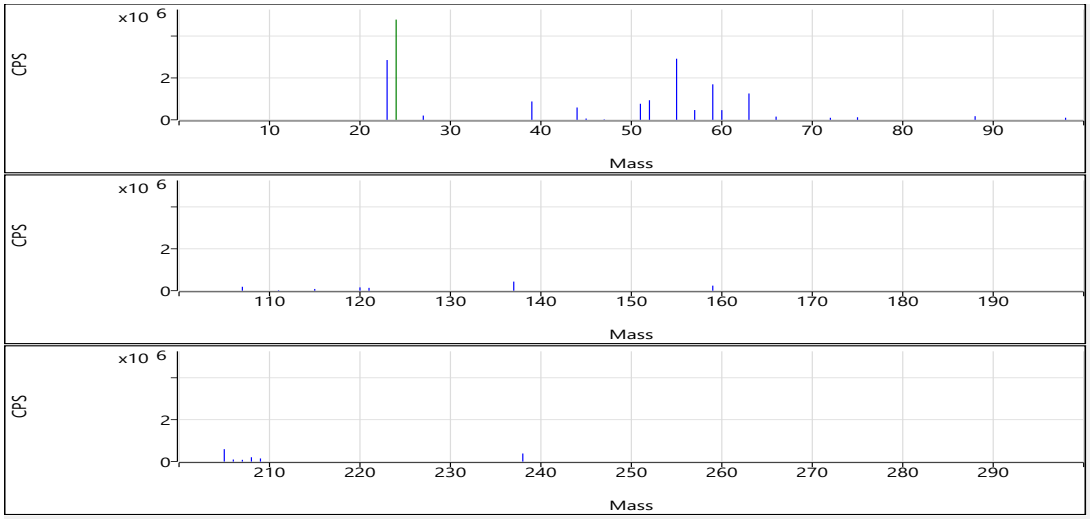


H2



Quantitation Report

He



Quantitation Report

Data File Name	127SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:12:12
Sample Name	410-234898-M-3-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

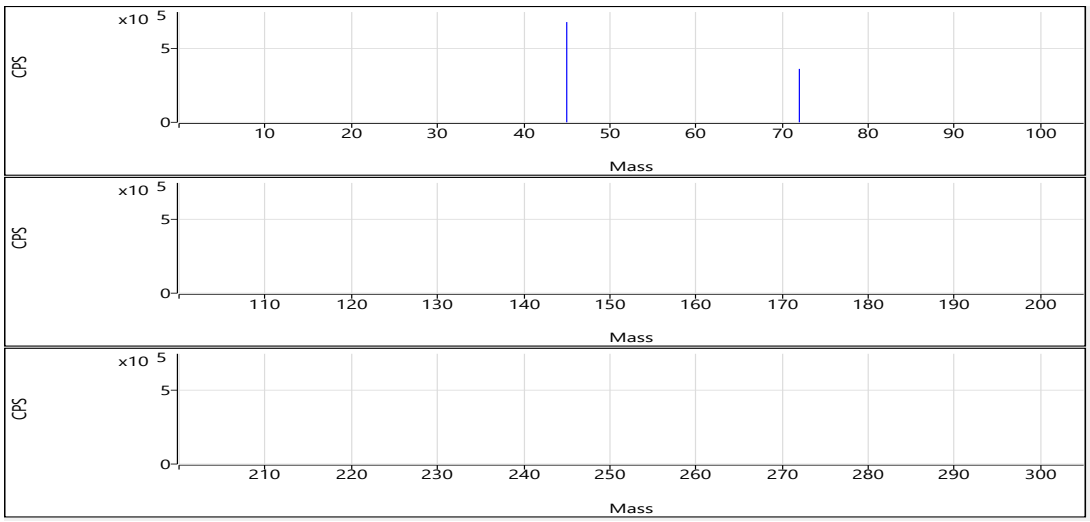
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.125	ppb	16.0	48.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.913	ppb	4.6	212.67	0.0004	Pulse	1.5000	3
Na	23	45	He	5114.713	ppb	1.1	1204968.89	20.2989	Pulse	0.1000	3
Mg	24	45	He	41974.486	ppb	0.7	4961171.07	83.5737	Analog	0.1000	3
Al	27	45	He	11.407	ppb	24.5	630.04	0.0106	Pulse	0.1000	3
K	39	45	He	3273.587	ppb	0.5	391960.62	6.6027	Pulse	0.1000	3
Ca	44	45	He	119213.698	ppb	1.6	698784.34	11.7721	Pulse	0.1000	3
Ti	47	45	He	3.177	ppb	16.5	133.34	0.0022	Pulse	0.1000	3
V	51	45	He	1.143	ppb	9.1	2775.61	0.0468	Pulse	0.5000	3
Cr	52	72	He	1.160	ppb	10.0	4357.47	0.0455	Pulse	0.1000	3
Mn	55	45	He	437.317	ppb	1.3	404972.65	6.8224	Pulse	0.1000	3
Fe	57	45	He	2130.516	ppb	2.1	79564.17	1.3404	Pulse	0.1000	3
Co	59	72	He	5.993	ppb	2.2	20705.40	0.2162	Pulse	0.1000	3
Ni	60	115	He	12.194	ppb	3.7	12585.91	0.1565	Pulse	0.1000	3
Cu	63	115	He	1.152	ppb	7.5	3237.12	0.0403	Pulse	0.1000	3
Zn	66	72	He	2.674	ppb	20.9	923.40	0.0096	Pulse	0.1000	3
As	75	72	He	3.993	ppb	8.2	1021.38	0.0107	Pulse	0.5000	3
Sr	88	72	He	79.489	ppb	1.3	101061.57	1.0555	Pulse	0.1000	3
Mo	98	72	He	0.666	ppb	12.7	1366.78	0.0143	Pulse	0.1000	3
Ag	107	115	He	0.114	ppb	15.4	460.03	0.0057	Pulse	0.1000	3
Cd	111	115	He	0.125	ppb	5.7	60.67	0.0008	Pulse	0.5000	3
Sn	120	115	He	0.077	ppb	172.7	4684.30	0.0582	Pulse	0.1000	3
Sb	121	115	He	0.406	ppb	19.4	580.03	0.0072	Pulse	0.1000	3
Ba	137	115	He	587.047	ppb	2.0	294100.06	3.6570	Pulse	0.1000	3
Tl	205	209	He	1.907	ppb	3.3	11405.33	0.0779	Pulse	0.1000	3
Pb	208	209	He	0.109	ppb	8.6	1170.07	0.0080	Pulse	0.1000	3
U	238	209	He	1.349	ppb	2.0	10477.93	0.0715	Pulse	0.1000	3

ISTD Table:

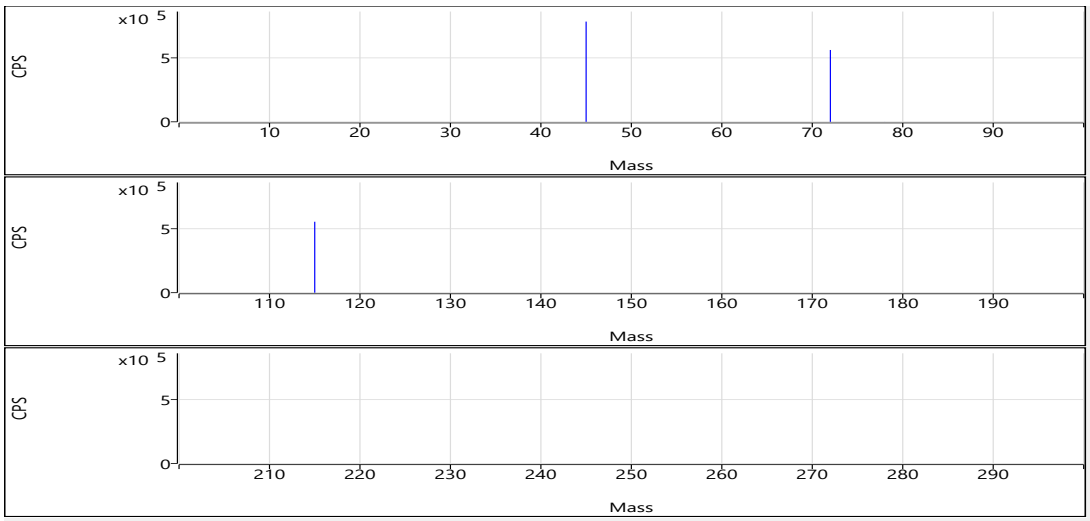
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679688.58	0.7	99.4	Pulse	0.1000	3
No Gas	Ge	72	362225.55	0.9	100.1	Pulse	0.1000	3
H2	Sc	45	789505.30	1.0	102.1	Pulse	0.1000	3
H2	Ge	72	565861.38	1.0	104.0	Pulse	0.1000	3
H2	In	115	558867.15	1.3	101.3	Pulse	0.1000	3
He	Sc	45	59363.84	0.8	106.4	Pulse	0.1000	3
He	Ge	72	95754.74	0.8	107.2	Pulse	0.1000	3
He	In	115	80438.27	1.7	105.9	Pulse	0.1000	3
He	Tb	159	238104.27	0.9	108.3	Pulse	0.1000	3
He	Bi	209	146504.09	0.4	106.3	Pulse	0.1000	3

No Gas

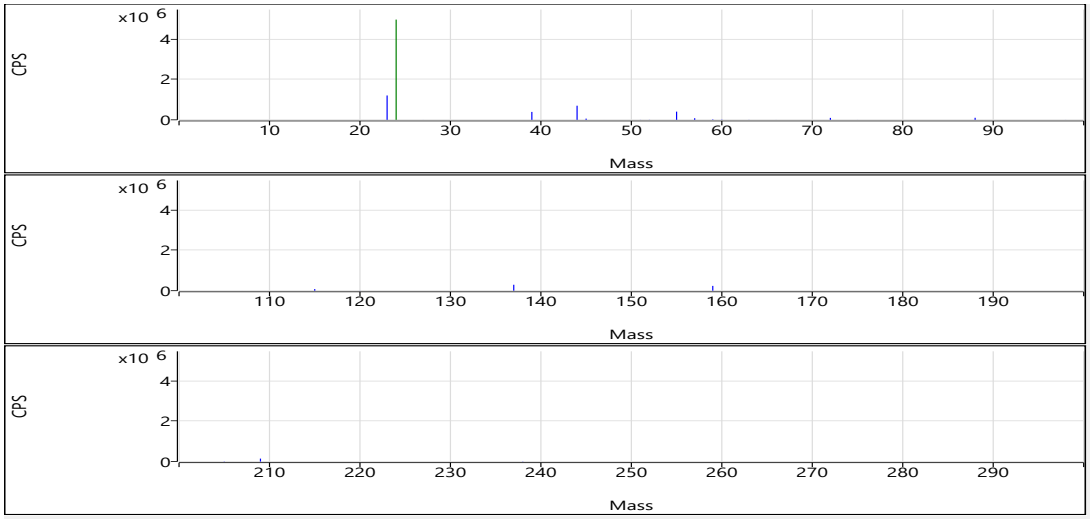


H2



Quantitation Report

He



Quantitation Report

Data File Name	128SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:14:18
Sample Name	410-234898-G-9-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

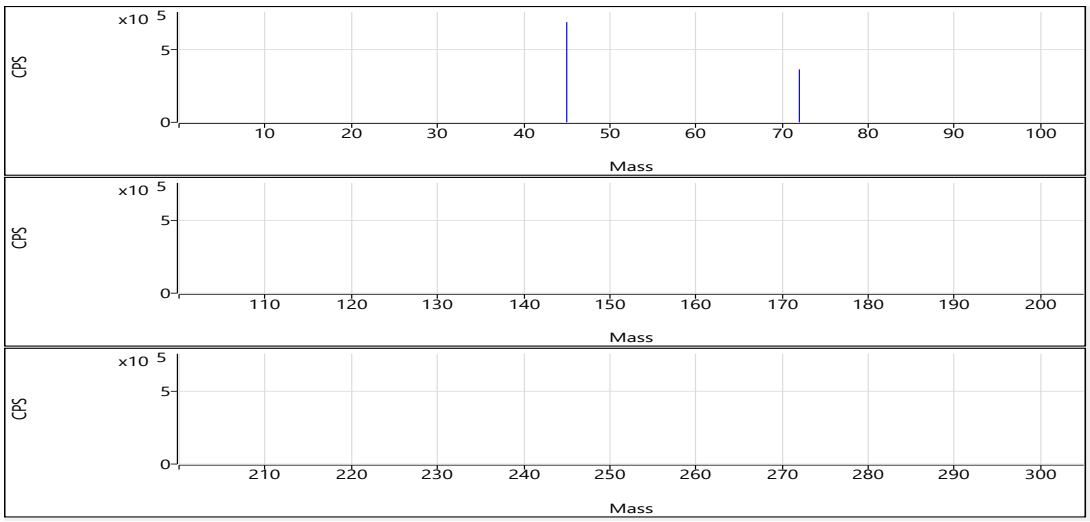
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.013	ppb	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.906	ppb	7.0	208.23	0.0004	Pulse	1.5000	3
Na	23	45	He	3306.913	ppb	1.5	778517.43	13.2186	Pulse	0.1000	3
Mg	24	45	He	26353.343	ppb	1.8	3090480.47	52.4751	Pulse	0.1000	3
Al	27	45	He	5.933	ppb	19.9	400.02	0.0068	Pulse	0.1000	3
K	39	45	He	1684.049	ppb	1.9	214680.94	3.6450	Pulse	0.1000	3
Ca	44	45	He	62882.398	ppb	2.0	365827.17	6.2116	Pulse	0.1000	3
Ti	47	45	He	1.227	ppb	41.2	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	0.710	ppb	11.0	2085.50	0.0354	Pulse	0.5000	3
Cr	52	72	He	0.874	ppb	14.2	3783.96	0.0398	Pulse	0.1000	3
Mn	55	45	He	3.699	ppb	2.4	3663.93	0.0622	Pulse	0.1000	3
Fe	57	45	He	24.010	ppb	3.2	1140.09	0.0194	Pulse	0.1000	3
Co	59	72	He	0.463	ppb	4.2	1766.84	0.0186	Pulse	0.1000	3
Ni	60	115	He	0.696	ppb	28.1	1856.85	0.0228	Pulse	0.1000	3
Cu	63	115	He	0.589	ppb	4.2	1803.51	0.0222	Pulse	0.1000	3
Zn	66	72	He	3.426	ppb	1.2	1146.75	0.0121	Pulse	0.1000	3
As	75	72	He	0.768	ppb	5.3	245.33	0.0026	Pulse	0.5000	3
Sr	88	72	He	59.183	ppb	2.6	74722.75	0.7867	Pulse	0.1000	3
Mo	98	72	He	1.416	ppb	0.9	2820.37	0.0297	Pulse	0.1000	3
Ag	107	115	He	0.033	ppb	34.0	160.01	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.038	ppb	1.9	20.00	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.385	ppb	N/A	4017.41	0.0494	Pulse	0.1000	3
Sb	121	115	He	0.239	ppb	11.0	356.68	0.0044	Pulse	0.1000	3
Ba	137	115	He	166.352	ppb	2.5	84361.28	1.0372	Pulse	0.1000	3
Tl	205	209	He	0.207	ppb	7.1	1313.46	0.0089	Pulse	0.1000	3
Pb	208	209	He	0.034	ppb	34.6	590.03	0.0040	Pulse	0.1000	3
U	238	209	He	0.471	ppb	2.1	3770.69	0.0255	Pulse	0.1000	3

ISTD Table:

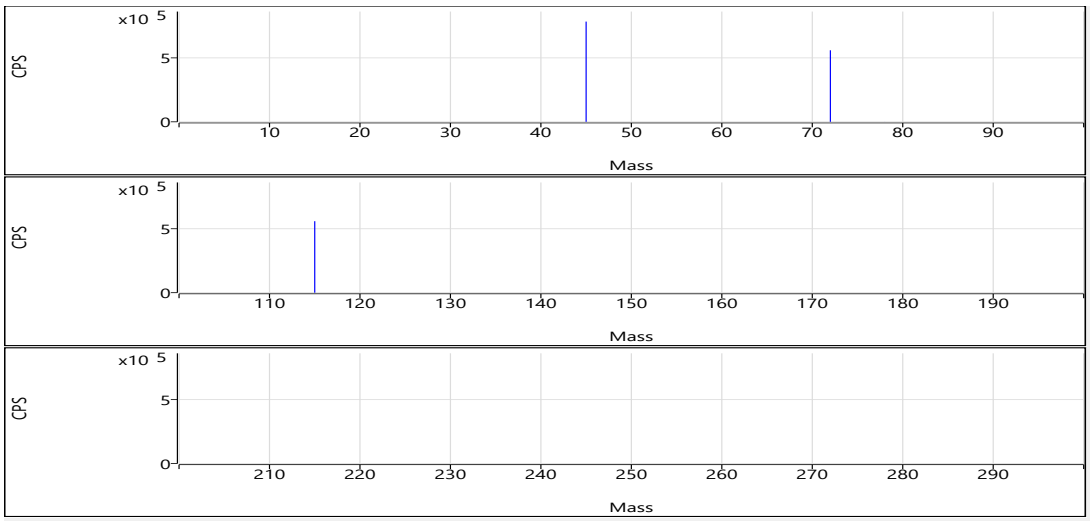
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	685120.61	0.4	100.2	Pulse	0.1000	3
No Gas	Ge	72	361556.31	0.8	100.0	Pulse	0.1000	3
H2	Sc	45	782613.87	1.2	101.2	Pulse	0.1000	3
H2	Ge	72	558595.08	1.3	102.7	Pulse	0.1000	3
H2	In	115	558174.00	0.3	101.2	Pulse	0.1000	3
He	Sc	45	58902.01	1.1	105.5	Pulse	0.1000	3
He	Ge	72	95023.55	2.5	106.4	Pulse	0.1000	3
He	In	115	81355.32	1.7	107.1	Pulse	0.1000	3
He	Tb	159	239355.42	1.3	108.9	Pulse	0.1000	3
He	Bi	209	147823.82	0.4	107.3	Pulse	0.1000	3

No Gas

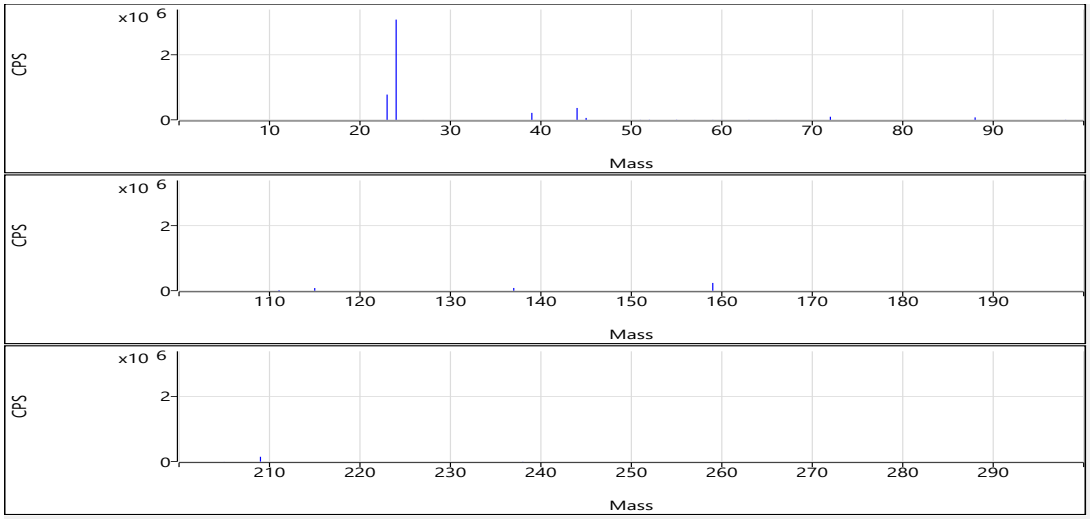


H2



Quantitation Report

He



Quantitation Report

Data File Name	129SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:16:24
Sample Name	410-234898-M-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

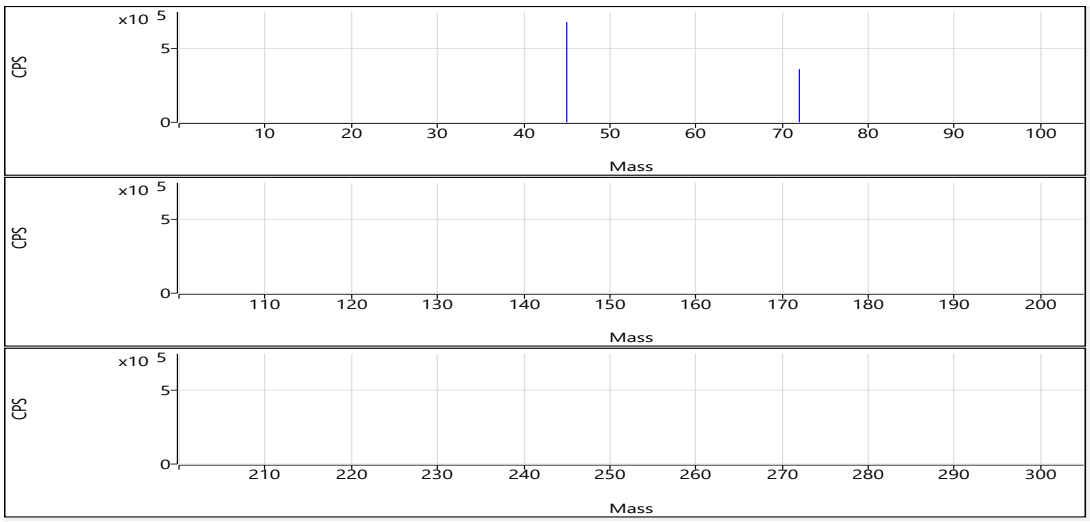
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.033	ppb	59.1	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.223	ppb	15.4	56.67	0.0001	Pulse	1.5000	3
Na	23	45	He	5355.840	ppb	1.2	1186785.53	21.2432	Pulse	0.1000	3
Mg	24	45	He	29602.962	ppb	1.6	3292840.89	58.9444	Pulse	0.1000	3
Al	27	45	He	9.193	ppb	2.9	506.69	0.0091	Pulse	0.1000	3
K	39	45	He	3601.434	ppb	2.6	402871.86	7.2127	Pulse	0.1000	3
Ca	44	45	He	92027.835	ppb	1.1	507757.09	9.0886	Pulse	0.1000	3
Ti	47	45	He	1.653	ppb	26.1	66.67	0.0012	Pulse	0.1000	3
V	51	45	He	0.448	ppb	6.5	1594.10	0.0285	Pulse	0.5000	3
Cr	52	72	He	0.279	ppb	55.7	2473.64	0.0279	Pulse	0.1000	3
Mn	55	45	He	84.186	ppb	2.8	73572.97	1.3170	Pulse	0.1000	3
Fe	57	45	He	43.141	ppb	5.9	1753.49	0.0314	Pulse	0.1000	3
Co	59	72	He	0.804	ppb	5.7	2730.36	0.0308	Pulse	0.1000	3
Ni	60	115	He	3.570	ppb	1.7	4260.79	0.0562	Pulse	0.1000	3
Cu	63	115	He	0.499	ppb	11.9	1460.12	0.0193	Pulse	0.1000	3
Zn	66	72	He	2.260	ppb	17.7	736.72	0.0083	Pulse	0.1000	3
As	75	72	He	0.746	ppb	17.7	224.00	0.0025	Pulse	0.5000	3
Sr	88	72	He	49.050	ppb	1.0	57864.78	0.6526	Pulse	0.1000	3
Mo	98	72	He	0.085	ppb	21.8	206.68	0.0023	Pulse	0.1000	3
Ag	107	115	He	0.037	ppb	50.4	163.34	0.0022	Pulse	0.1000	3
Cd	111	115	He	0.058	ppb	49.9	27.33	0.0004	Pulse	0.5000	3
Sn	120	115	He	-0.364	ppb	N/A	3773.99	0.0498	Pulse	0.1000	3
Sb	121	115	He	0.175	ppb	5.6	250.01	0.0033	Pulse	0.1000	3
Ba	137	115	He	189.313	ppb	0.9	89413.22	1.1802	Pulse	0.1000	3
Tl	205	209	He	0.114	ppb	12.6	710.05	0.0051	Pulse	0.1000	3
Pb	208	209	He	0.043	ppb	10.0	616.70	0.0044	Pulse	0.1000	3
U	238	209	He	0.259	ppb	2.2	2003.57	0.0144	Pulse	0.1000	3

ISTD Table:

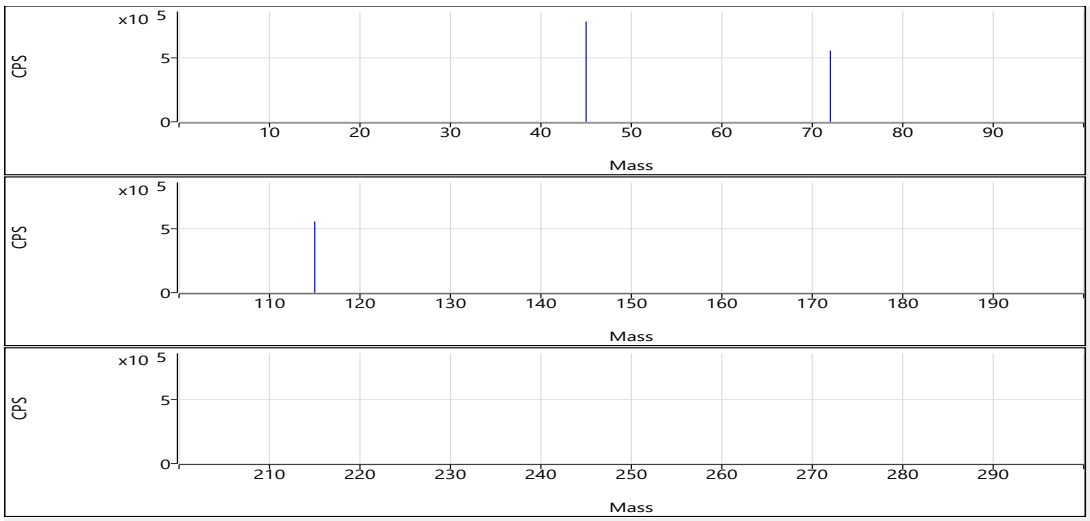
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679962.12	0.2	99.5	Pulse	0.1000	3
No Gas	Ge	72	360763.65	0.3	99.7	Pulse	0.1000	3
H2	Sc	45	779159.88	1.3	100.7	Pulse	0.1000	3
H2	Ge	72	553859.43	1.6	101.8	Pulse	0.1000	3
H2	In	115	553881.93	1.5	100.4	Pulse	0.1000	3
He	Sc	45	55877.15	2.4	100.1	Pulse	0.1000	3
He	Ge	72	88686.99	2.2	99.3	Pulse	0.1000	3
He	In	115	75772.82	2.5	99.8	Pulse	0.1000	3
He	Tb	159	223028.92	1.0	101.5	Pulse	0.1000	3
He	Bi	209	138943.53	1.5	100.9	Pulse	0.1000	3

No Gas

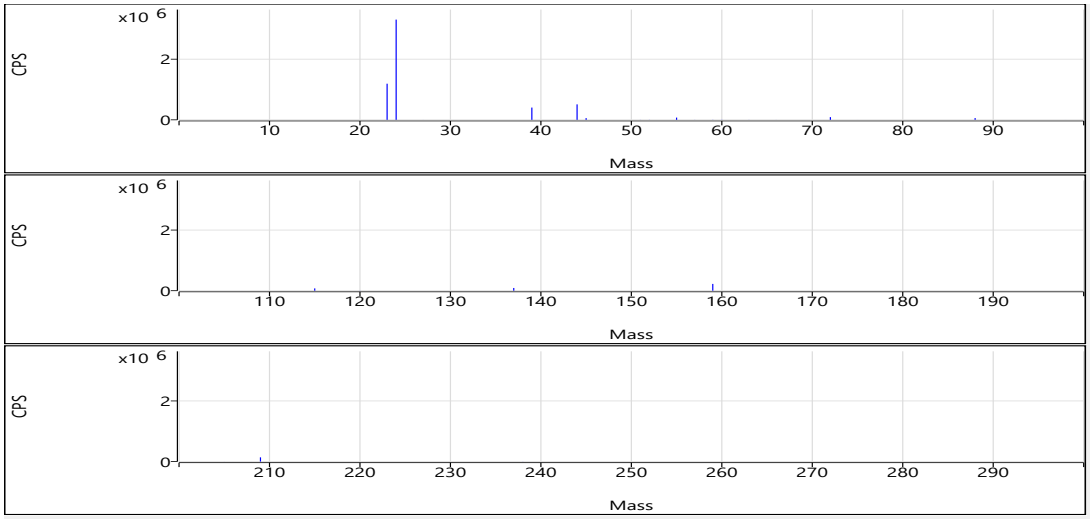


H2



Quantitation Report

He



Quantitation Report

Data File Name	130SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:18:31
Sample Name	410-234898-K-2-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

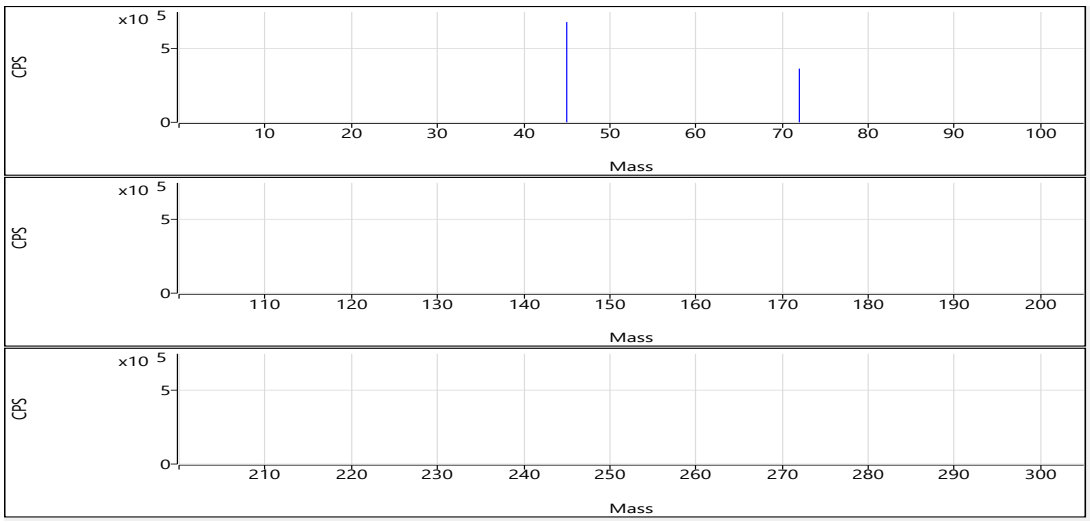
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.310	ppb	6.2	86.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.167	ppb	0.8	46.45	0.0001	Pulse	1.5000	3
Na	23	45	He	5485.467	ppb	0.6	1283508.63	21.7509	Pulse	0.1000	3
Mg	24	45	He	4936.189	ppb	0.5	580522.83	9.8378	Pulse	0.1000	3
Al	27	45	He	27.619	ppb	6.6	1296.77	0.0220	Pulse	0.1000	3
K	39	45	He	3723.531	ppb	1.9	439028.28	7.4399	Pulse	0.1000	3
Ca	44	45	He	8129.461	ppb	2.1	47618.02	0.8069	Pulse	0.1000	3
Ti	47	45	He	1.065	ppb	74.6	46.67	0.0008	Pulse	0.1000	3
V	51	45	He	0.398	ppb	10.1	1606.77	0.0272	Pulse	0.5000	3
Cr	52	72	He	0.373	ppb	35.6	2897.06	0.0298	Pulse	0.1000	3
Mn	55	45	He	177.673	ppb	0.9	163715.93	2.7745	Pulse	0.1000	3
Fe	57	45	He	65.127	ppb	2.9	2663.68	0.0451	Pulse	0.1000	3
Co	59	72	He	0.655	ppb	8.5	2476.95	0.0255	Pulse	0.1000	3
Ni	60	115	He	3.120	ppb	9.4	4204.12	0.0510	Pulse	0.1000	3
Cu	63	115	He	16.169	ppb	1.0	43101.54	0.5226	Pulse	0.1000	3
Zn	66	72	He	36.386	ppb	3.8	11524.92	0.1185	Pulse	0.1000	3
As	75	72	He	0.594	ppb	15.1	208.67	0.0021	Pulse	0.5000	3
Sr	88	72	He	34.716	ppb	1.6	45032.15	0.4628	Pulse	0.1000	3
Mo	98	72	He	0.086	ppb	42.9	230.01	0.0024	Pulse	0.1000	3
Ag	107	115	He	0.273	ppb	2.1	1080.08	0.0131	Pulse	0.1000	3
Cd	111	115	He	0.350	ppb	7.7	170.67	0.0021	Pulse	0.5000	3
Sn	120	115	He	-0.349	ppb	N/A	4130.77	0.0501	Pulse	0.1000	3
Sb	121	115	He	0.191	ppb	17.3	293.35	0.0036	Pulse	0.1000	3
Ba	137	115	He	126.425	ppb	0.7	65030.88	0.7885	Pulse	0.1000	3
Tl	205	209	He	0.136	ppb	14.9	893.40	0.0060	Pulse	0.1000	3
Pb	208	209	He	0.560	ppb	2.8	4787.19	0.0324	Pulse	0.1000	3
U	238	209	He	0.048	ppb	5.7	493.36	0.0033	Pulse	0.1000	3

ISTD Table:

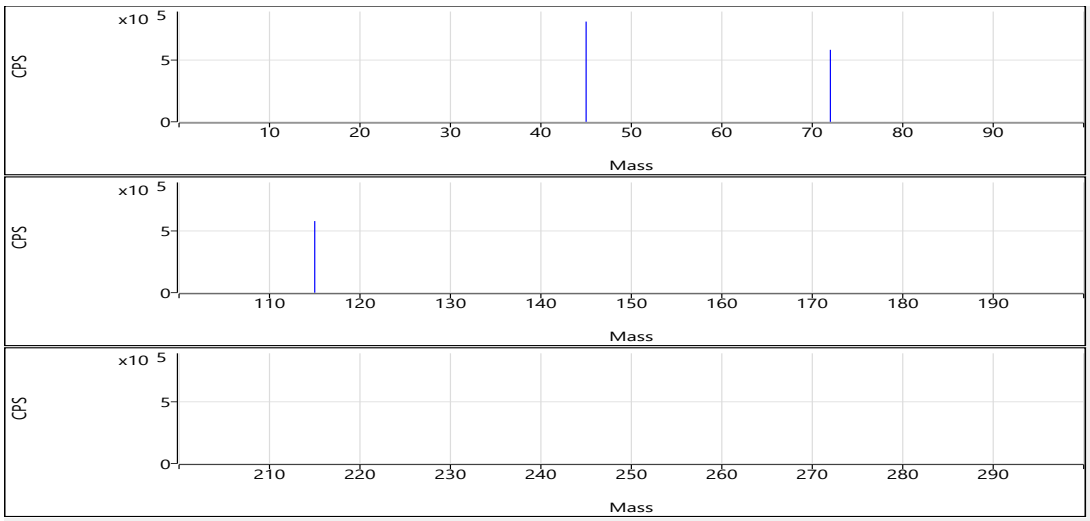
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	682386.42	1.7	99.8	Pulse	0.1000	3
No Gas	Ge	72	365361.67	1.0	101.0	Pulse	0.1000	3
H2	Sc	45	808949.23	0.7	104.6	Pulse	0.1000	3
H2	Ge	72	581205.38	0.2	106.8	Pulse	0.1000	3
H2	In	115	578008.99	0.5	104.8	Pulse	0.1000	3
He	Sc	45	59009.58	0.7	105.7	Pulse	0.1000	3
He	Ge	72	97288.08	1.0	108.9	Pulse	0.1000	3
He	In	115	82471.37	0.2	108.6	Pulse	0.1000	3
He	Tb	159	236057.65	0.3	107.4	Pulse	0.1000	3
He	Bi	209	147788.82	1.3	107.3	Pulse	0.1000	3

No Gas

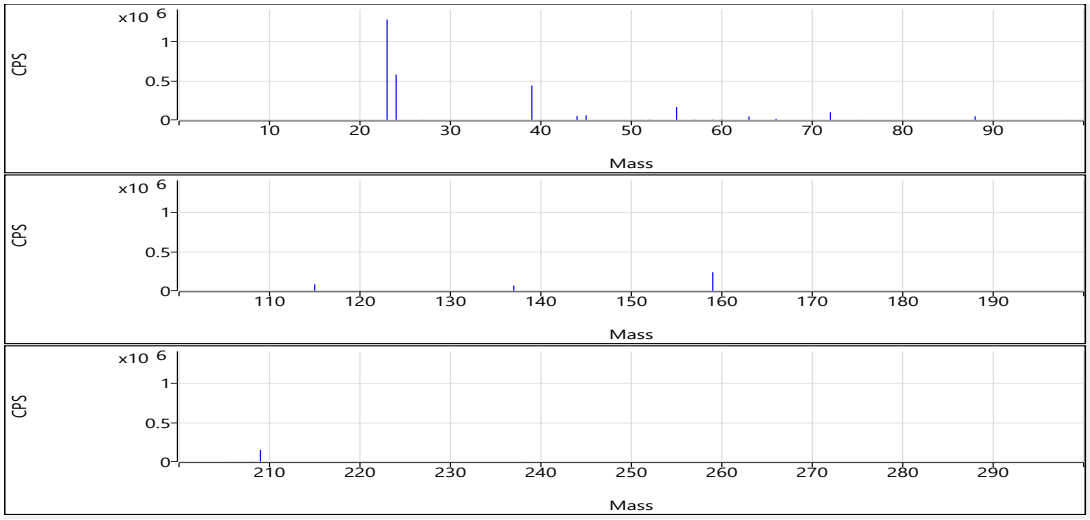


H2



Quantitation Report

He



Quantitation Report

Data File Name	132_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:22:42
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

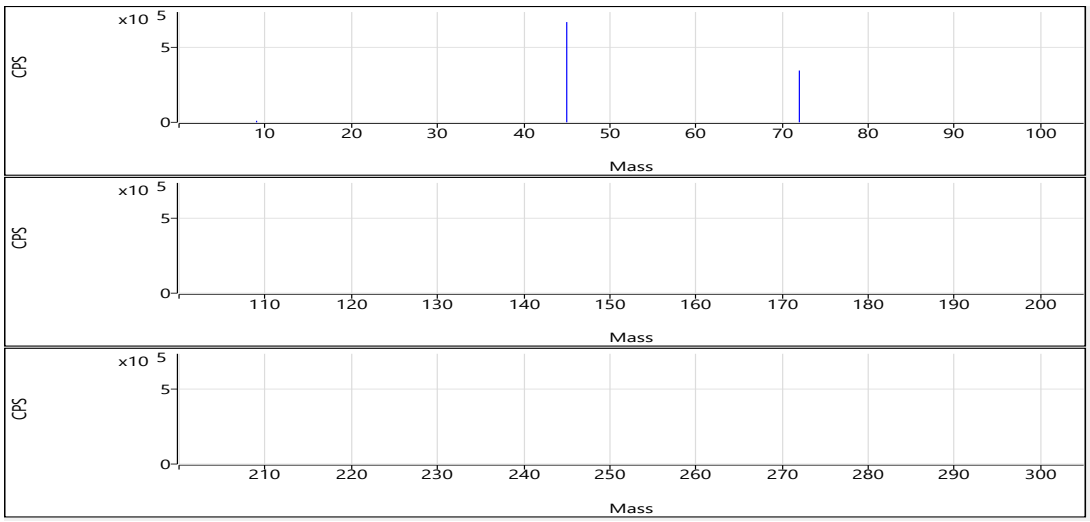
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.211	ppb	1.6	10028.74	0.0151	Pulse	0.5000	3
Se	78	72	H2	52.377	ppb	0.7	11197.68	0.0208	Pulse	1.5000	3
Na	23	45	He	5086.673	ppb	1.3	1157462.95	20.1890	Pulse	0.1000	3
Mg	24	45	He	5080.716	ppb	2.1	580477.59	10.1255	Pulse	0.1000	3
Al	27	45	He	5089.959	ppb	1.4	204624.68	3.5692	Pulse	0.1000	3
K	39	45	He	5122.645	ppb	2.5	575751.59	10.0432	Pulse	0.1000	3
Ca	44	45	He	5226.118	ppb	0.6	29834.51	0.5204	Pulse	0.1000	3
Ti	47	45	He	5115.124	ppb	1.5	201921.89	3.5220	Pulse	0.1000	3
V	51	45	He	509.972	ppb	1.5	767383.27	13.3852	Pulse	0.5000	3
Cr	52	72	He	517.105	ppb	0.9	941269.28	10.3551	Pulse	0.1000	3
Mn	55	45	He	511.382	ppb	2.0	457310.42	7.9770	Pulse	0.1000	3
Fe	57	45	He	5038.130	ppb	1.8	181383.70	3.1639	Pulse	0.1000	3
Co	59	72	He	515.747	ppb	1.2	1675677.58	18.4348	Pulse	0.1000	3
Ni	60	115	He	499.929	ppb	1.2	461640.75	5.8292	Pulse	0.1000	3
Cu	63	115	He	499.833	ppb	1.7	1271764.67	16.0593	Pulse	0.1000	3
Zn	66	72	He	517.260	ppb	0.8	151910.85	1.6711	Pulse	0.1000	3
As	75	72	He	519.566	ppb	0.4	118500.52	1.3036	Pulse	0.5000	3
Sr	88	72	He	50.815	ppb	1.7	61436.97	0.6759	Pulse	0.1000	3
Mo	98	72	He	52.408	ppb	0.7	97908.29	1.0771	Pulse	0.1000	3
Ag	107	115	He	50.574	ppb	1.4	185673.43	2.3445	Pulse	0.1000	3
Cd	111	115	He	50.138	ppb	1.4	23197.15	0.2929	Pulse	0.5000	3
Sn	120	115	He	50.542	ppb	2.0	81150.21	1.0245	Pulse	0.1000	3
Sb	121	115	He	50.828	ppb	1.2	68642.29	0.8668	Pulse	0.1000	3
Ba	137	115	He	507.797	ppb	0.5	250559.29	3.1635	Pulse	0.1000	3
Tl	205	209	He	50.896	ppb	1.4	297488.73	2.0651	Pulse	0.1000	3
Pb	208	209	He	50.451	ppb	1.2	392777.16	2.7265	Pulse	0.1000	3
U	238	209	He	49.754	ppb	0.7	375523.87	2.6066	Pulse	0.1000	3

ISTD Table:

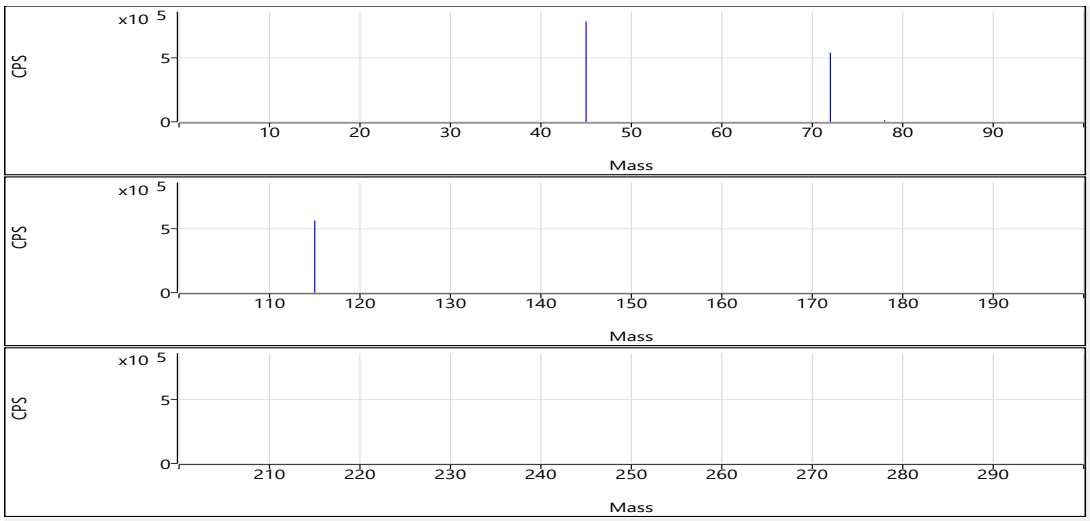
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	665316.06	0.8	97.3	Pulse	0.1000	3
No Gas	Ge	72	343686.43	0.7	95.0	Pulse	0.1000	3
H2	Sc	45	780253.45	0.6	100.9	Pulse	0.1000	3
H2	Ge	72	539253.64	0.4	99.1	Pulse	0.1000	3
H2	In	115	561832.65	0.9	101.9	Pulse	0.1000	3
He	Sc	45	57336.17	1.0	102.7	Pulse	0.1000	3
He	Ge	72	90903.51	1.0	101.8	Pulse	0.1000	3
He	In	115	79201.51	1.1	104.3	Pulse	0.1000	3
He	Tb	159	232855.01	1.2	105.9	Pulse	0.1000	3
He	Bi	209	144067.99	0.7	104.6	Pulse	0.1000	3

No Gas

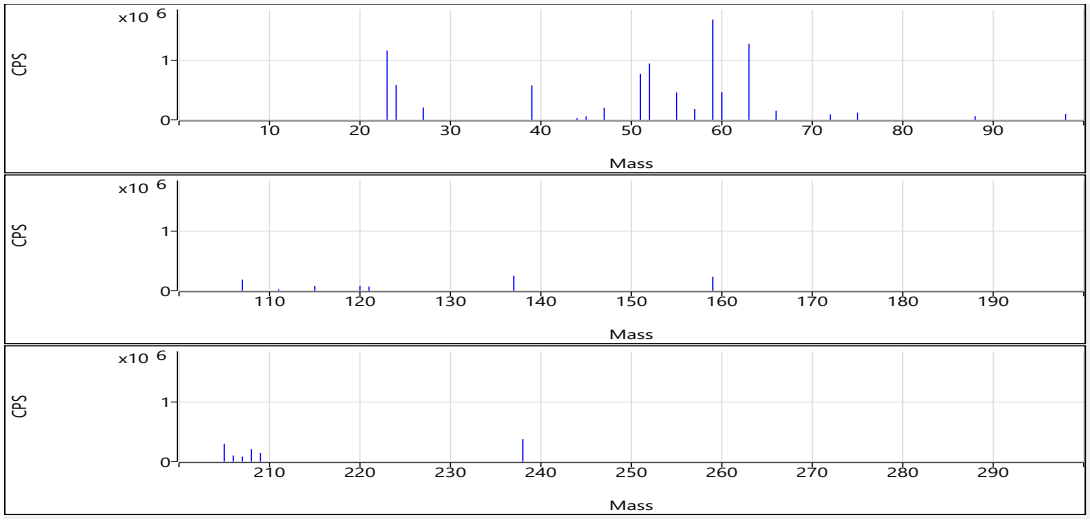


H2



Quantitation Report

He



Quantitation Report

Data File Name	134_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:26:55
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

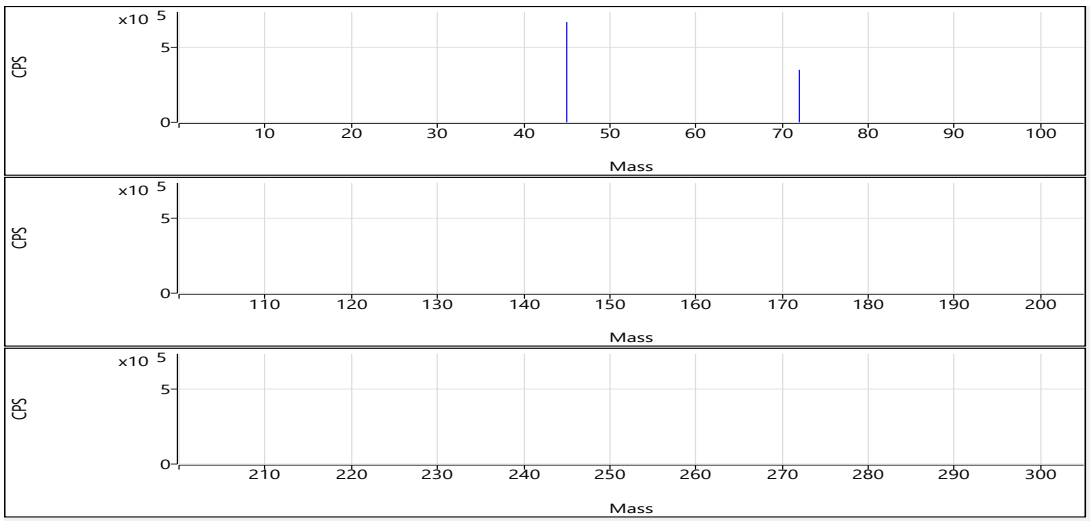
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ppb	N/A	21.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.148	ppb	2.9	39.11	0.0001	Pulse	1.5000	3
Na	23	45	He	9.293	ppb	18.4	17036.93	0.3034	Pulse	0.1000	3
Mg	24	45	He	29.280	ppb	9.2	3880.63	0.0691	Pulse	0.1000	3
Al	27	45	He	3.112	ppb	59.5	270.01	0.0048	Pulse	0.1000	3
K	39	45	He	19.675	ppb	91.9	30789.56	0.5481	Pulse	0.1000	3
Ca	44	45	He	74.841	ppb	15.6	666.70	0.0119	Pulse	0.1000	3
Ti	47	45	He	1.809	ppb	21.5	73.33	0.0013	Pulse	0.1000	3
V	51	45	He	0.369	ppb	7.3	1486.75	0.0265	Pulse	0.5000	3
Cr	52	72	He	0.239	ppb	18.8	2396.95	0.0271	Pulse	0.1000	3
Mn	55	45	He	1.319	ppb	14.0	1410.12	0.0251	Pulse	0.1000	3
Fe	57	45	He	6.011	ppb	25.9	453.36	0.0081	Pulse	0.1000	3
Co	59	72	He	0.303	ppb	3.4	1140.08	0.0129	Pulse	0.1000	3
Ni	60	115	He	0.099	ppb	164.1	1220.10	0.0159	Pulse	0.1000	3
Cu	63	115	He	0.285	ppb	10.6	953.39	0.0124	Pulse	0.1000	3
Zn	66	72	He	0.530	ppb	20.2	240.01	0.0027	Pulse	0.1000	3
As	75	72	He	0.520	ppb	12.7	173.33	0.0020	Pulse	0.5000	3
Sr	88	72	He	0.131	ppb	17.1	446.69	0.0051	Pulse	0.1000	3
Mo	98	72	He	0.088	ppb	32.7	213.34	0.0024	Pulse	0.1000	3
Ag	107	115	He	0.013	ppb	101.3	80.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.034	ppb	60.5	17.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.055	ppb	297.9	4447.54	0.0578	Pulse	0.1000	3
Sb	121	115	He	0.127	ppb	21.6	190.01	0.0025	Pulse	0.1000	3
Ba	137	115	He	0.533	ppb	28.2	350.02	0.0045	Pulse	0.1000	3
Tl	205	209	He	0.074	ppb	19.5	500.03	0.0035	Pulse	0.1000	3
Pb	208	209	He	0.023	ppb	33.8	480.02	0.0034	Pulse	0.1000	3
U	238	209	He	0.040	ppb	22.8	420.02	0.0030	Pulse	0.1000	3

ISTD Table:

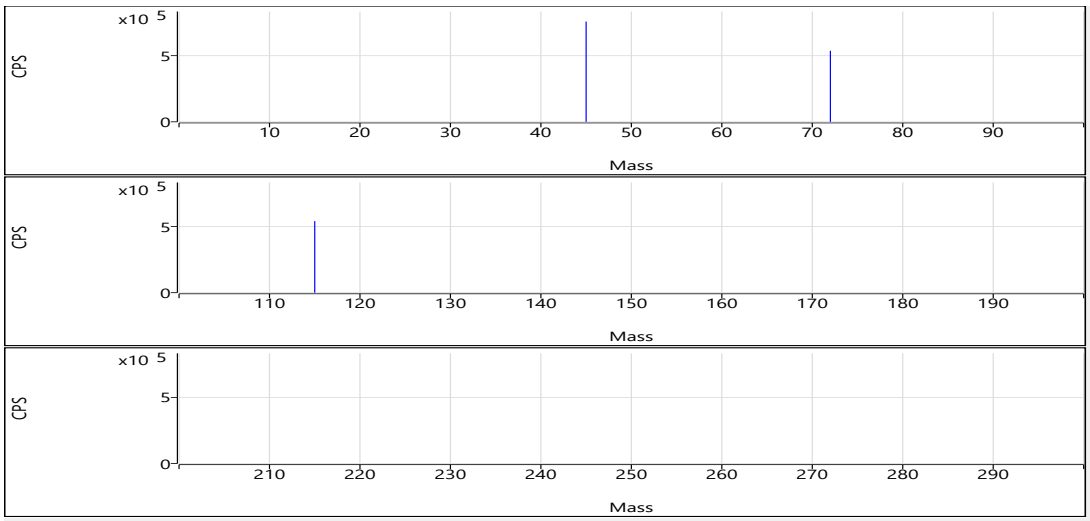
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	669256.71	0.2	97.9	Pulse	0.1000	3
No Gas	Ge	72	350418.27	0.6	96.9	Pulse	0.1000	3
H2	Sc	45	759562.05	2.1	98.2	Pulse	0.1000	3
H2	Ge	72	538519.73	1.5	99.0	Pulse	0.1000	3
H2	In	115	542207.77	1.0	98.3	Pulse	0.1000	3
He	Sc	45	56164.61	0.4	100.6	Pulse	0.1000	3
He	Ge	72	88474.87	2.0	99.1	Pulse	0.1000	3
He	In	115	77001.04	2.4	101.4	Pulse	0.1000	3
He	Tb	159	224639.54	2.5	102.2	Pulse	0.1000	3
He	Bi	209	142100.87	1.1	103.1	Pulse	0.1000	3

No Gas

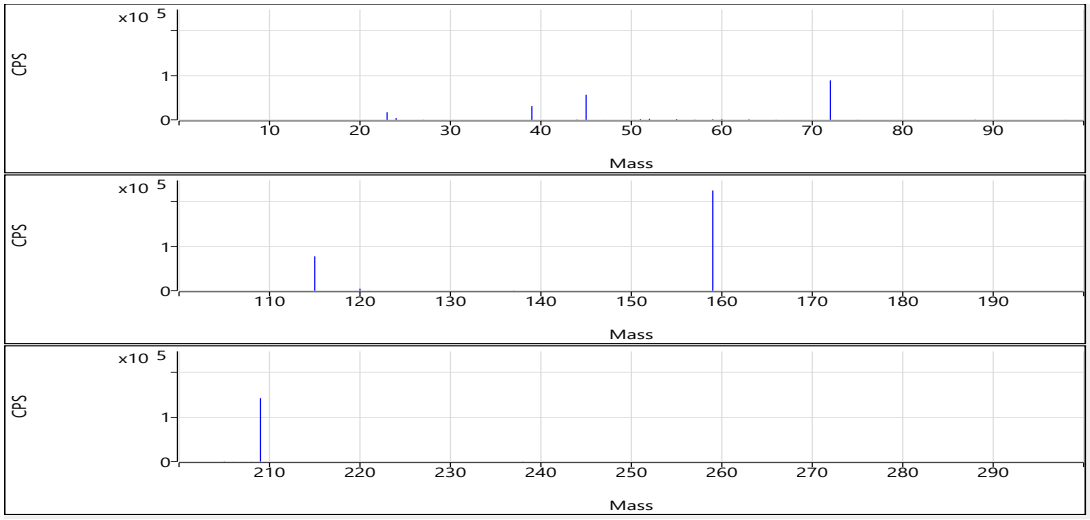


H2



Quantitation Report

He



Quantitation Report

Data File Name	135SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:29:01
Sample Name	410-234898-G-10-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

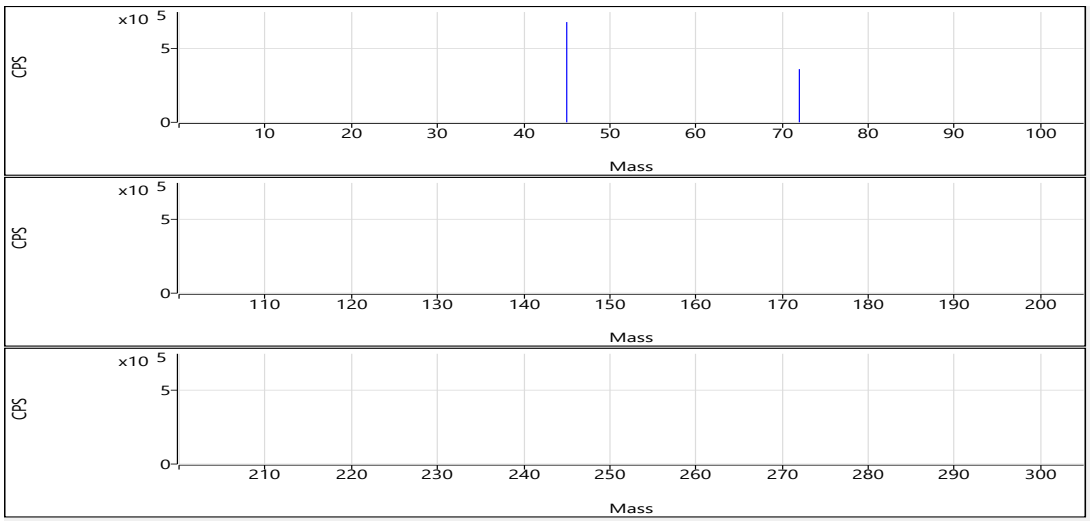
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.032	ppb	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.091	ppb	22.9	28.66	0.0000	Pulse	1.5000	3
Na	23	45	He	553.454	ppb	2.7	142271.16	2.4346	Pulse	0.1000	3
Mg	24	45	He	22537.198	ppb	1.5	2622734.13	44.8779	Pulse	0.1000	3
Al	27	45	He	3.082	ppb	19.0	280.01	0.0048	Pulse	0.1000	3
K	39	45	He	1192.304	ppb	3.0	159536.12	2.7300	Pulse	0.1000	3
Ca	44	45	He	23910.020	ppb	1.3	138199.52	2.3646	Pulse	0.1000	3
Ti	47	45	He	1.320	ppb	20.6	56.67	0.0010	Pulse	0.1000	3
V	51	45	He	0.328	ppb	4.0	1484.75	0.0254	Pulse	0.5000	3
Cr	52	72	He	0.220	ppb	9.6	2490.30	0.0267	Pulse	0.1000	3
Mn	55	45	He	1.784	ppb	11.7	1890.19	0.0324	Pulse	0.1000	3
Fe	57	45	He	18.998	ppb	22.4	946.73	0.0162	Pulse	0.1000	3
Co	59	72	He	0.290	ppb	20.4	1156.76	0.0124	Pulse	0.1000	3
Ni	60	115	He	0.184	ppb	151.8	1333.45	0.0168	Pulse	0.1000	3
Cu	63	115	He	0.318	ppb	11.8	1066.75	0.0135	Pulse	0.1000	3
Zn	66	72	He	1.053	ppb	20.3	410.02	0.0044	Pulse	0.1000	3
As	75	72	He	0.611	ppb	7.3	204.00	0.0022	Pulse	0.5000	3
Sr	88	72	He	42.378	ppb	2.5	52571.46	0.5642	Pulse	0.1000	3
Mo	98	72	He	2.175	ppb	1.9	4217.45	0.0453	Pulse	0.1000	3
Ag	107	115	He	0.024	ppb	20.0	123.34	0.0016	Pulse	0.1000	3
Cd	111	115	He	0.024	ppb	58.2	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.294	ppb	N/A	4060.75	0.0511	Pulse	0.1000	3
Sb	121	115	He	0.108	ppb	21.5	170.01	0.0021	Pulse	0.1000	3
Ba	137	115	He	110.152	ppb	3.0	54528.37	0.6872	Pulse	0.1000	3
Tl	205	209	He	0.049	ppb	6.0	356.69	0.0025	Pulse	0.1000	3
Pb	208	209	He	0.020	ppb	62.1	453.36	0.0032	Pulse	0.1000	3
U	238	209	He	0.347	ppb	3.0	2713.73	0.0190	Pulse	0.1000	3

ISTD Table:

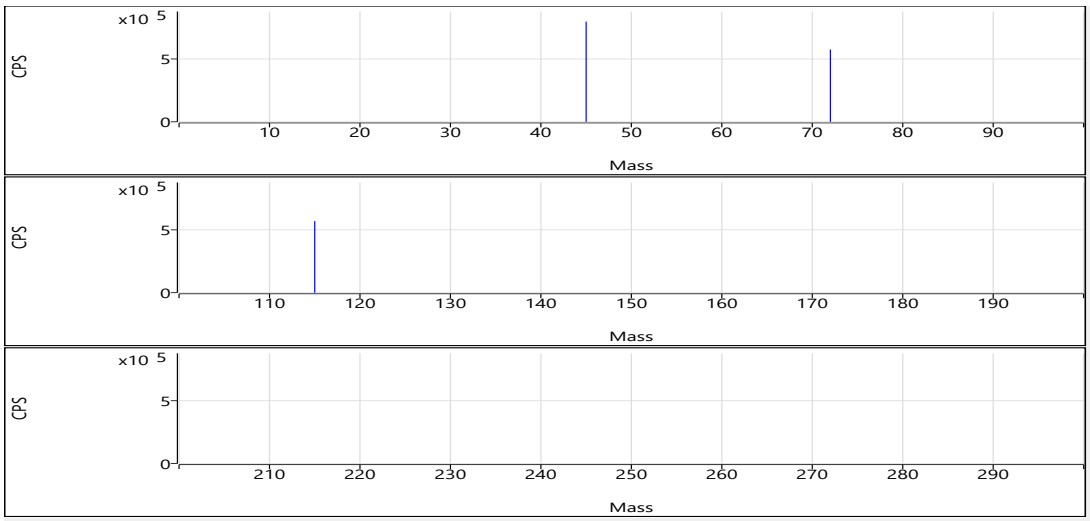
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	681423.87	0.7	99.7	Pulse	0.1000	3
No Gas	Ge	72	361439.08	0.6	99.9	Pulse	0.1000	3
H2	Sc	45	799536.73	1.5	103.4	Pulse	0.1000	3
H2	Ge	72	576519.59	1.2	106.0	Pulse	0.1000	3
H2	In	115	571086.45	0.3	103.5	Pulse	0.1000	3
He	Sc	45	58447.34	1.0	104.7	Pulse	0.1000	3
He	Ge	72	93171.92	0.8	104.3	Pulse	0.1000	3
He	In	115	79384.40	2.3	104.5	Pulse	0.1000	3
He	Tb	159	232993.72	0.5	106.0	Pulse	0.1000	3
He	Bi	209	142528.99	1.7	103.5	Pulse	0.1000	3

No Gas

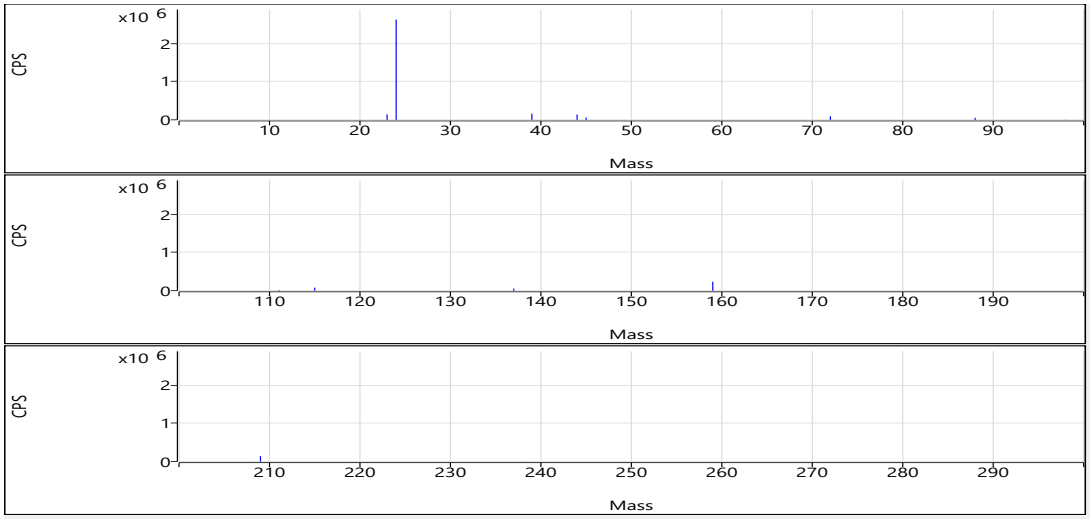


H2



Quantitation Report

He



Quantitation Report

Data File Name	136SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:31:07
Sample Name	410-234898-G-8-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

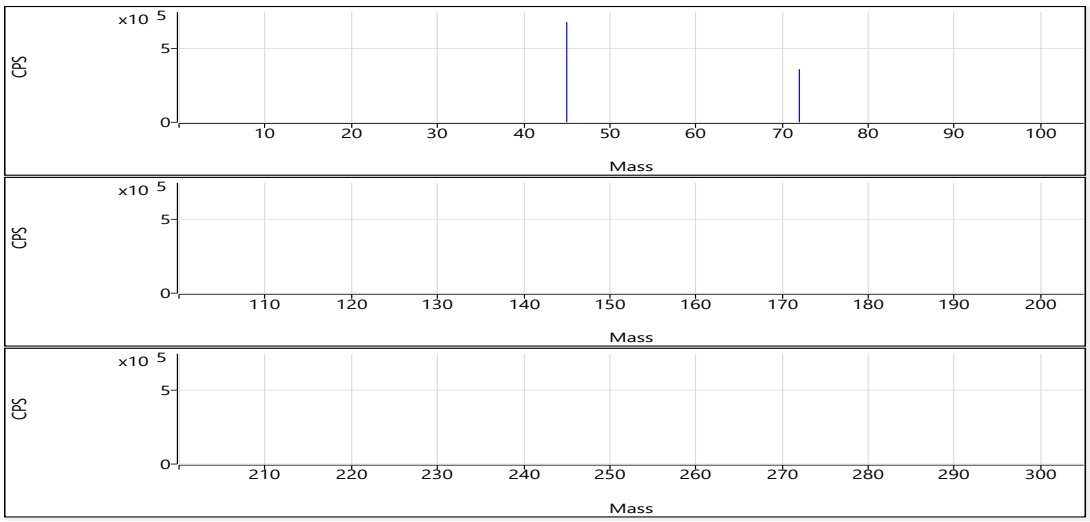
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.026	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.123	ppb	9.3	35.78	0.0001	Pulse	1.5000	3
Na	23	45	He	553.939	ppb	0.9	141201.67	2.4365	Pulse	0.1000	3
Mg	24	45	He	17695.606	ppb	0.8	2042120.34	35.2393	Pulse	0.1000	3
Al	27	45	He	4.621	ppb	14.7	340.02	0.0059	Pulse	0.1000	3
K	39	45	He	1048.968	ppb	2.2	142716.01	2.4633	Pulse	0.1000	3
Ca	44	45	He	18510.163	ppb	1.2	106142.20	1.8316	Pulse	0.1000	3
Ti	47	45	He	1.237	ppb	100.6	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	0.432	ppb	12.0	1630.77	0.0281	Pulse	0.5000	3
Cr	52	72	He	1.448	ppb	5.0	4797.62	0.0513	Pulse	0.1000	3
Mn	55	45	He	1.191	ppb	8.6	1340.11	0.0231	Pulse	0.1000	3
Fe	57	45	He	11.716	ppb	22.4	673.37	0.0116	Pulse	0.1000	3
Co	59	72	He	0.216	ppb	9.4	913.39	0.0098	Pulse	0.1000	3
Ni	60	115	He	0.086	ppb	5.4	1240.10	0.0157	Pulse	0.1000	3
Cu	63	115	He	0.352	ppb	20.3	1146.76	0.0146	Pulse	0.1000	3
Zn	66	72	He	3.586	ppb	5.8	1176.76	0.0126	Pulse	0.1000	3
As	75	72	He	0.444	ppb	20.3	165.33	0.0018	Pulse	0.5000	3
Sr	88	72	He	25.577	ppb	1.3	31983.18	0.3419	Pulse	0.1000	3
Mo	98	72	He	0.298	ppb	26.6	630.04	0.0067	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	31.4	76.67	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.052	ppb	33.0	26.00	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.375	ppb	N/A	3920.71	0.0496	Pulse	0.1000	3
Sb	121	115	He	0.098	ppb	21.2	156.67	0.0020	Pulse	0.1000	3
Ba	137	115	He	732.060	ppb	0.1	360274.84	4.5601	Pulse	0.1000	3
Tl	205	209	He	0.038	ppb	29.6	293.35	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.035	ppb	42.5	570.03	0.0040	Pulse	0.1000	3
U	238	209	He	0.136	ppb	17.4	1143.43	0.0080	Pulse	0.1000	3

ISTD Table:

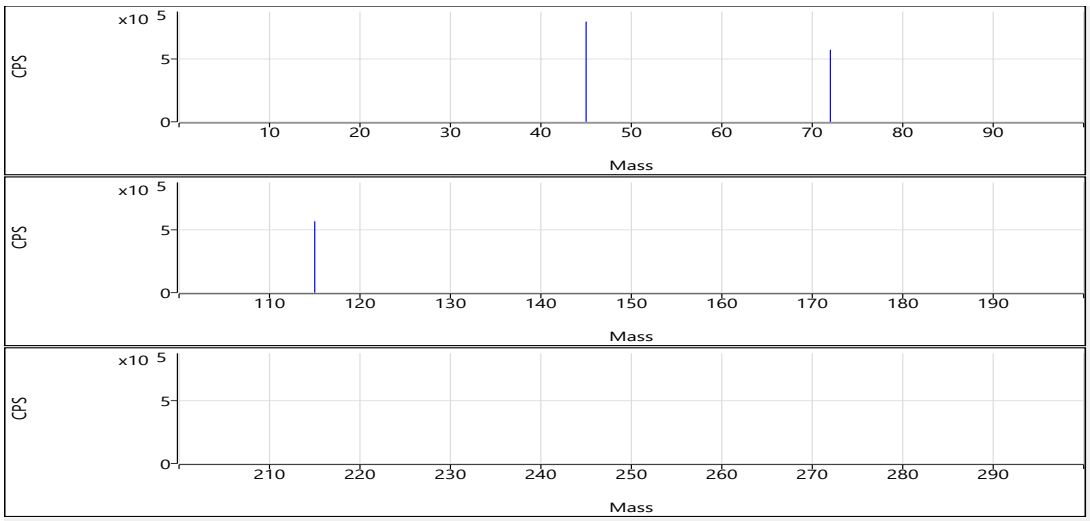
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679178.79	0.7	99.4	Pulse	0.1000	3
No Gas	Ge	72	359832.83	1.4	99.5	Pulse	0.1000	3
H2	Sc	45	793184.47	1.8	102.5	Pulse	0.1000	3
H2	Ge	72	570141.72	1.7	104.8	Pulse	0.1000	3
H2	In	115	565387.52	0.9	102.5	Pulse	0.1000	3
He	Sc	45	57955.24	2.8	103.8	Pulse	0.1000	3
He	Ge	72	93557.03	1.5	104.8	Pulse	0.1000	3
He	In	115	79006.67	3.1	104.0	Pulse	0.1000	3
He	Tb	159	232977.24	2.8	106.0	Pulse	0.1000	3
He	Bi	209	142849.23	1.8	103.7	Pulse	0.1000	3

No Gas

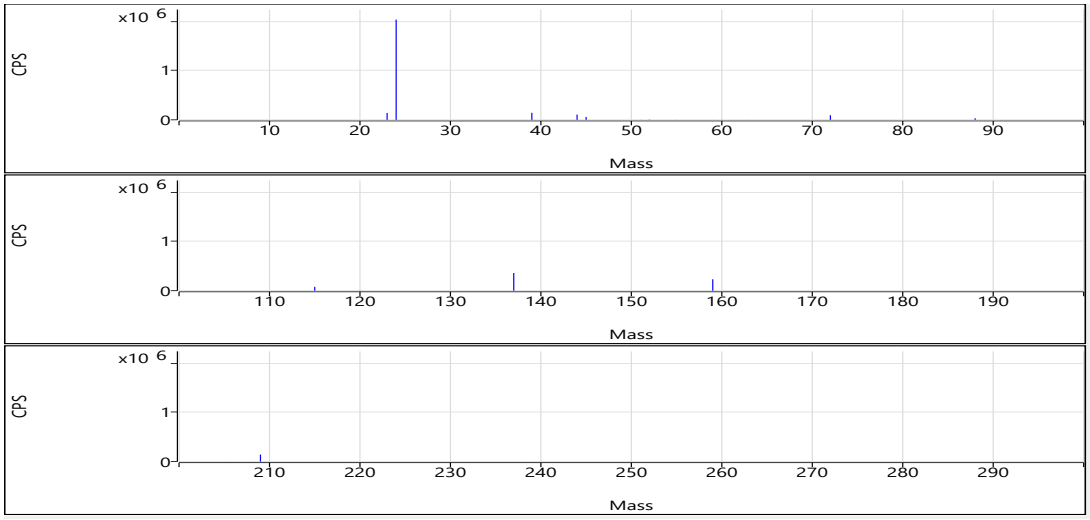


H2



Quantitation Report

He



Quantitation Report

Data File Name	137SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:33:13
Sample Name	410-234898-K-6-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

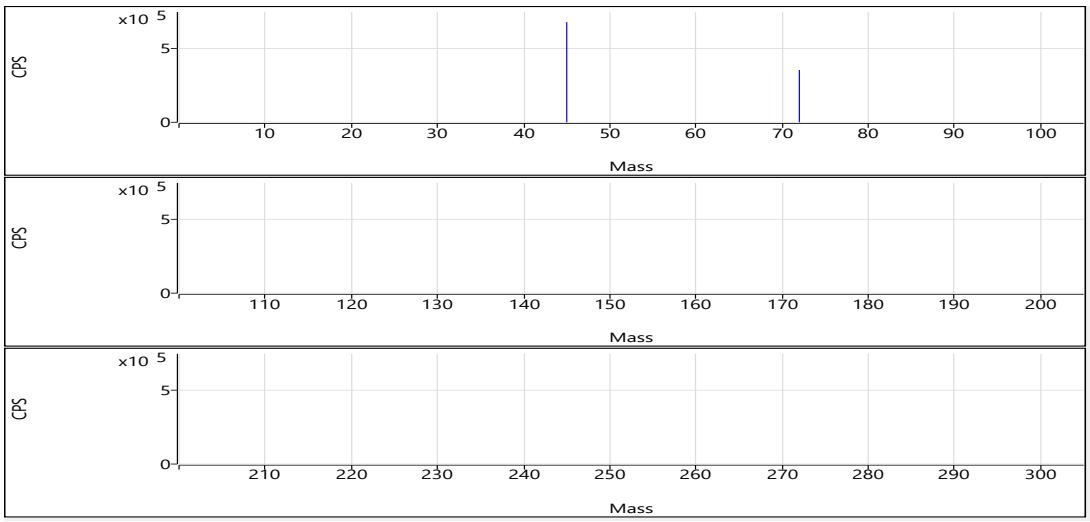
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.006	ppb	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.160	ppb	12.9	43.78	0.0001	Pulse	1.5000	3
Na	23	45	He	2461.239	ppb	3.0	578137.30	9.9065	Pulse	0.1000	3
Mg	24	45	He	23076.032	ppb	2.8	2681728.09	45.9506	Pulse	0.1000	3
Al	27	45	He	2.773	ppb	17.5	266.68	0.0046	Pulse	0.1000	3
K	39	45	He	3873.745	ppb	3.2	450494.80	7.7194	Pulse	0.1000	3
Ca	44	45	He	47521.794	ppb	3.2	274008.10	4.6954	Pulse	0.1000	3
Ti	47	45	He	1.409	ppb	64.6	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.346	ppb	7.4	1510.09	0.0259	Pulse	0.5000	3
Cr	52	72	He	1.525	ppb	11.1	4874.33	0.0528	Pulse	0.1000	3
Mn	55	45	He	251.894	ppb	2.9	229447.08	3.9316	Pulse	0.1000	3
Fe	57	45	He	121.063	ppb	5.3	4680.92	0.0802	Pulse	0.1000	3
Co	59	72	He	0.438	ppb	8.4	1633.49	0.0177	Pulse	0.1000	3
Ni	60	115	He	0.381	ppb	54.5	1516.80	0.0191	Pulse	0.1000	3
Cu	63	115	He	0.648	ppb	12.1	1910.19	0.0241	Pulse	0.1000	3
Zn	66	72	He	2.407	ppb	20.2	810.05	0.0088	Pulse	0.1000	3
As	75	72	He	0.616	ppb	25.6	203.33	0.0022	Pulse	0.5000	3
Sr	88	72	He	164.896	ppb	0.9	201815.16	2.1859	Pulse	0.1000	3
Mo	98	72	He	0.092	ppb	5.8	230.01	0.0025	Pulse	0.1000	3
Ag	107	115	He	0.038	ppb	44.4	173.34	0.0022	Pulse	0.1000	3
Cd	111	115	He	0.044	ppb	24.5	22.67	0.0003	Pulse	0.5000	3
Sn	120	115	He	1.136	ppb	8.0	6228.31	0.0785	Pulse	0.1000	3
Sb	121	115	He	0.152	ppb	16.7	230.01	0.0029	Pulse	0.1000	3
Ba	137	115	He	99.120	ppb	1.2	49064.83	0.6185	Pulse	0.1000	3
Tl	205	209	He	0.052	ppb	8.0	380.02	0.0026	Pulse	0.1000	3
Pb	208	209	He	0.070	ppb	13.5	853.38	0.0059	Pulse	0.1000	3
U	238	209	He	0.125	ppb	14.4	1070.09	0.0074	Pulse	0.1000	3

ISTD Table:

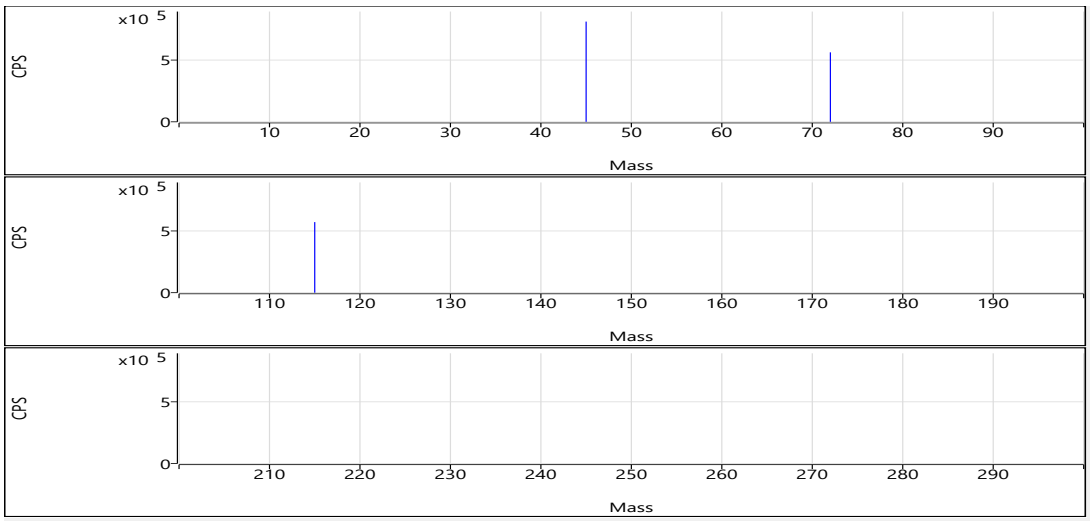
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	681252.72	0.3	99.7	Pulse	0.1000	3
No Gas	Ge	72	355470.40	0.3	98.3	Pulse	0.1000	3
H2	Sc	45	816403.79	0.4	105.5	Pulse	0.1000	3
H2	Ge	72	565825.50	0.8	104.0	Pulse	0.1000	3
H2	In	115	574994.94	1.1	104.3	Pulse	0.1000	3
He	Sc	45	58384.24	2.2	104.6	Pulse	0.1000	3
He	Ge	72	92325.39	0.6	103.4	Pulse	0.1000	3
He	In	115	79330.29	0.4	104.5	Pulse	0.1000	3
He	Tb	159	232563.43	0.1	105.8	Pulse	0.1000	3
He	Bi	209	144465.53	0.7	104.9	Pulse	0.1000	3

No Gas

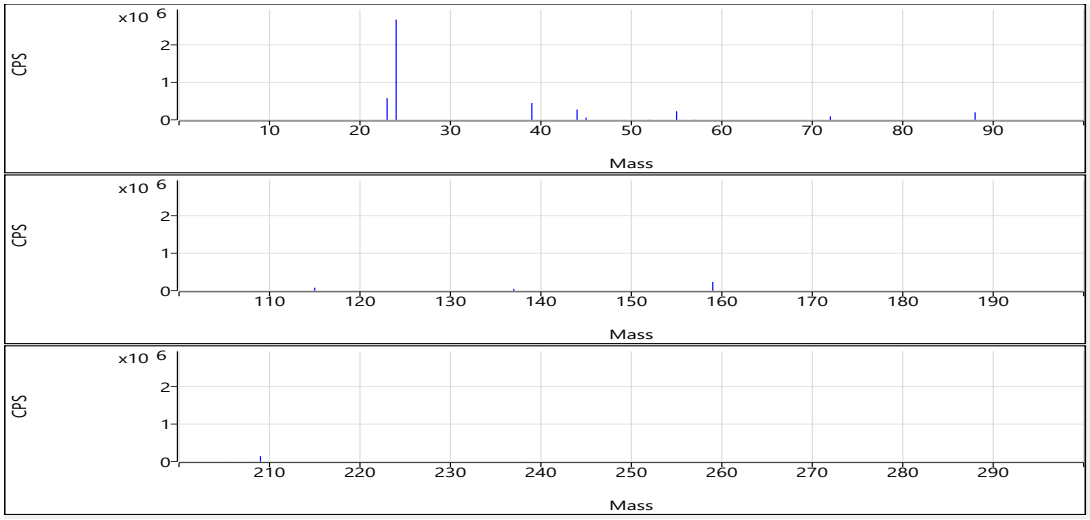


H2



Quantitation Report

He



Quantitation Report

Data File Name	138SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:35:19
Sample Name	410-234898-G-7-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

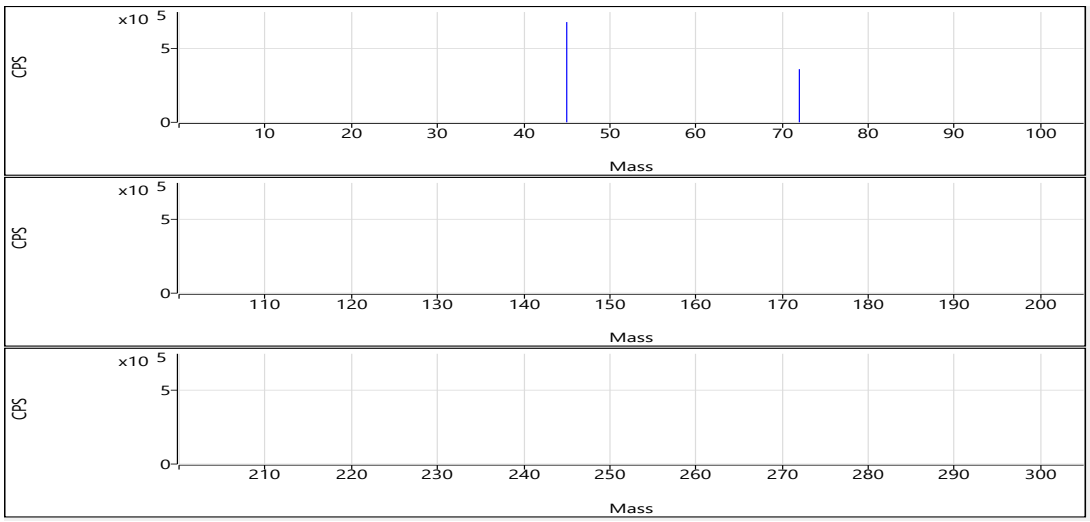
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.052	ppb	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.177	ppb	11.7	47.33	0.0001	Pulse	1.5000	3
Na	23	45	He	6429.094	ppb	1.5	1498071.44	25.4467	Pulse	0.1000	3
Mg	24	45	He	22432.830	ppb	1.5	2629708.19	44.6701	Pulse	0.1000	3
Al	27	45	He	1.668	ppb	62.4	223.34	0.0038	Pulse	0.1000	3
K	39	45	He	3553.679	ppb	2.0	419390.44	7.1238	Pulse	0.1000	3
Ca	44	45	He	81314.397	ppb	1.3	472814.91	8.0311	Pulse	0.1000	3
Ti	47	45	He	0.993	ppb	61.1	43.33	0.0007	Pulse	0.1000	3
V	51	45	He	0.301	ppb	13.8	1454.08	0.0247	Pulse	0.5000	3
Cr	52	72	He	0.857	ppb	8.2	3627.25	0.0395	Pulse	0.1000	3
Mn	55	45	He	1.351	ppb	12.9	1510.13	0.0256	Pulse	0.1000	3
Fe	57	45	He	14.004	ppb	19.0	770.05	0.0131	Pulse	0.1000	3
Co	59	72	He	0.162	ppb	6.7	720.05	0.0078	Pulse	0.1000	3
Ni	60	115	He	0.459	ppb	41.4	1563.48	0.0200	Pulse	0.1000	3
Cu	63	115	He	0.314	ppb	11.0	1043.40	0.0133	Pulse	0.1000	3
Zn	66	72	He	1.384	ppb	23.0	503.36	0.0055	Pulse	0.1000	3
As	75	72	He	0.437	ppb	11.3	161.33	0.0018	Pulse	0.5000	3
Sr	88	72	He	46.713	ppb	1.1	57169.49	0.6216	Pulse	0.1000	3
Mo	98	72	He	0.290	ppb	8.3	603.37	0.0066	Pulse	0.1000	3
Ag	107	115	He	0.015	ppb	36.5	90.00	0.0012	Pulse	0.1000	3
Cd	111	115	He	0.061	ppb	14.4	30.00	0.0004	Pulse	0.5000	3
Sn	120	115	He	-0.336	ppb	N/A	3934.06	0.0503	Pulse	0.1000	3
Sb	121	115	He	0.082	ppb	9.7	133.34	0.0017	Pulse	0.1000	3
Ba	137	115	He	235.746	ppb	1.0	114792.03	1.4693	Pulse	0.1000	3
Tl	205	209	He	0.034	ppb	31.4	266.68	0.0019	Pulse	0.1000	3
Pb	208	209	He	0.018	ppb	46.7	440.02	0.0031	Pulse	0.1000	3
U	238	209	He	0.317	ppb	10.2	2476.99	0.0175	Pulse	0.1000	3

ISTD Table:

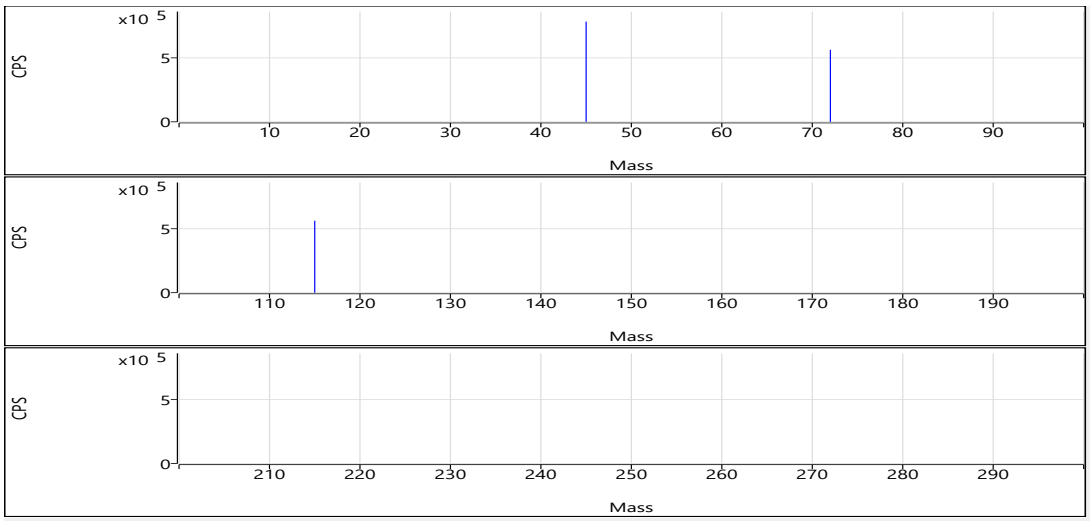
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	677439.70	0.4	99.1	Pulse	0.1000	3
No Gas	Ge	72	359135.40	0.3	99.3	Pulse	0.1000	3
H2	Sc	45	782200.12	0.8	101.1	Pulse	0.1000	3
H2	Ge	72	562431.08	0.5	103.4	Pulse	0.1000	3
H2	In	115	561653.00	0.3	101.8	Pulse	0.1000	3
He	Sc	45	58886.11	2.9	105.5	Pulse	0.1000	3
He	Ge	72	91960.20	1.3	103.0	Pulse	0.1000	3
He	In	115	78127.84	2.0	102.9	Pulse	0.1000	3
He	Tb	159	228463.16	2.4	103.9	Pulse	0.1000	3
He	Bi	209	142039.62	2.2	103.1	Pulse	0.1000	3

No Gas

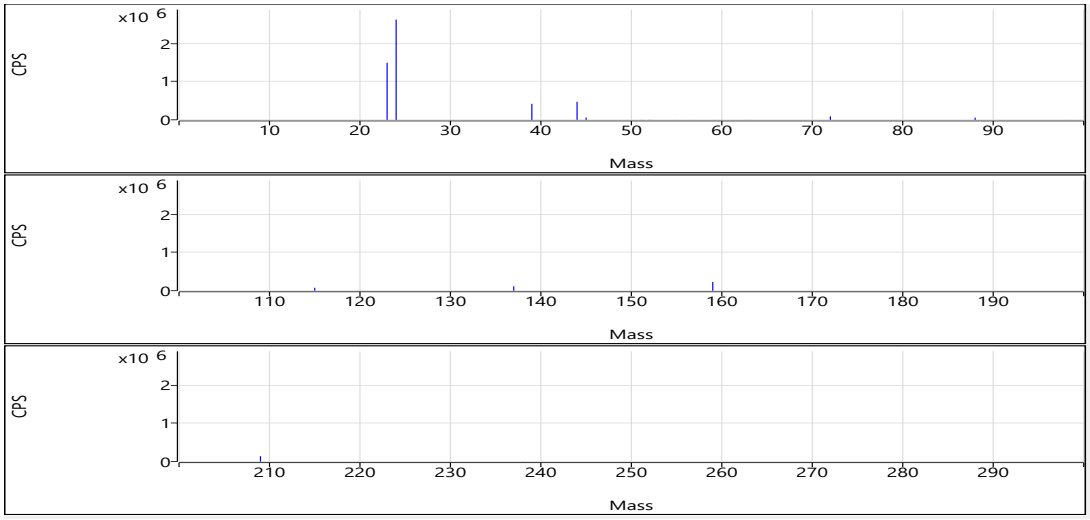


H2



Quantitation Report

He



Quantitation Report

Data File Name	139SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:37:25
Sample Name	410-234898-K-5-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

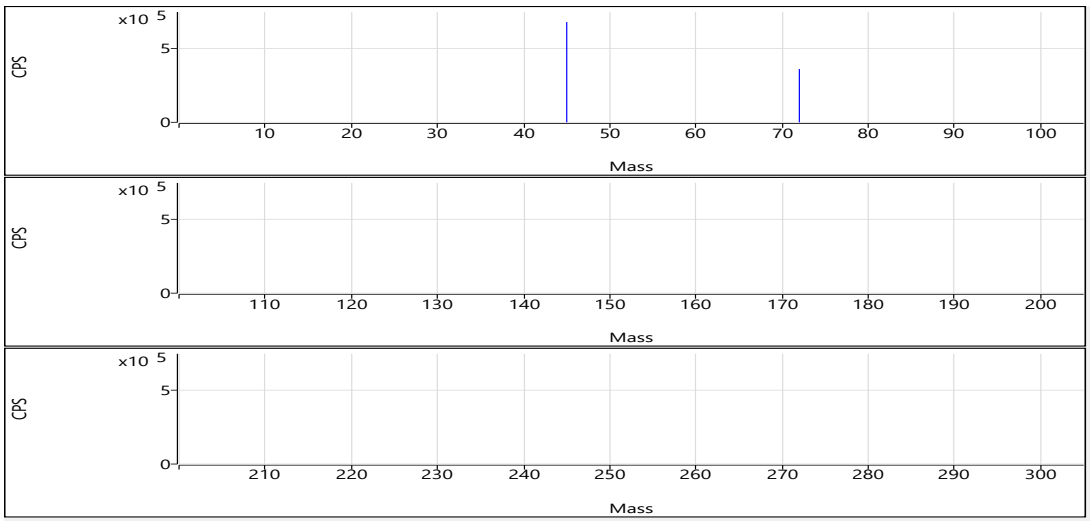
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.022	ppb	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.075	ppb	8.2	25.11	0.0000	Pulse	1.5000	3
Na	23	45	He	7580.483	ppb	1.3	1740183.26	29.9561	Pulse	0.1000	3
Mg	24	45	He	36179.754	ppb	1.2	4184734.94	72.0375	Pulse	0.1000	3
Al	27	45	He	0.347	ppb	410.0	166.67	0.0029	Pulse	0.1000	3
K	39	45	He	2721.176	ppb	2.4	323825.49	5.5748	Pulse	0.1000	3
Ca	44	45	He	96174.128	ppb	1.7	551727.44	9.4979	Pulse	0.1000	3
Ti	47	45	He	1.406	ppb	97.6	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.257	ppb	22.8	1367.41	0.0235	Pulse	0.5000	3
Cr	52	72	He	0.121	ppb	41.5	2296.93	0.0247	Pulse	0.1000	3
Mn	55	45	He	2736.195	ppb	0.5	2478404.55	42.6621	Pulse	0.1000	3
Fe	57	45	He	7981.125	ppb	0.7	291021.29	5.0096	Pulse	0.1000	3
Co	59	72	He	13.196	ppb	0.3	43960.81	0.4737	Pulse	0.1000	3
Ni	60	115	He	10.765	ppb	2.3	11104.61	0.1399	Pulse	0.1000	3
Cu	63	115	He	0.316	ppb	13.1	1063.41	0.0134	Pulse	0.1000	3
Zn	66	72	He	7.400	ppb	6.5	2310.27	0.0249	Pulse	0.1000	3
As	75	72	He	5.292	ppb	3.3	1292.73	0.0139	Pulse	0.5000	3
Sr	88	72	He	92.088	ppb	1.9	113423.46	1.2222	Pulse	0.1000	3
Mo	98	72	He	0.628	ppb	10.2	1253.43	0.0135	Pulse	0.1000	3
Ag	107	115	He	0.015	ppb	1.4	90.00	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.024	ppb	9.6	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.365	ppb	N/A	3950.73	0.0498	Pulse	0.1000	3
Sb	121	115	He	0.083	ppb	28.1	136.68	0.0017	Pulse	0.1000	3
Ba	137	115	He	383.159	ppb	1.0	189477.78	2.3873	Pulse	0.1000	3
Tl	205	209	He	0.074	ppb	2.4	510.03	0.0035	Pulse	0.1000	3
Pb	208	209	He	0.017	ppb	42.0	440.01	0.0030	Pulse	0.1000	3
U	238	209	He	0.577	ppb	3.5	4524.28	0.0311	Pulse	0.1000	3

ISTD Table:

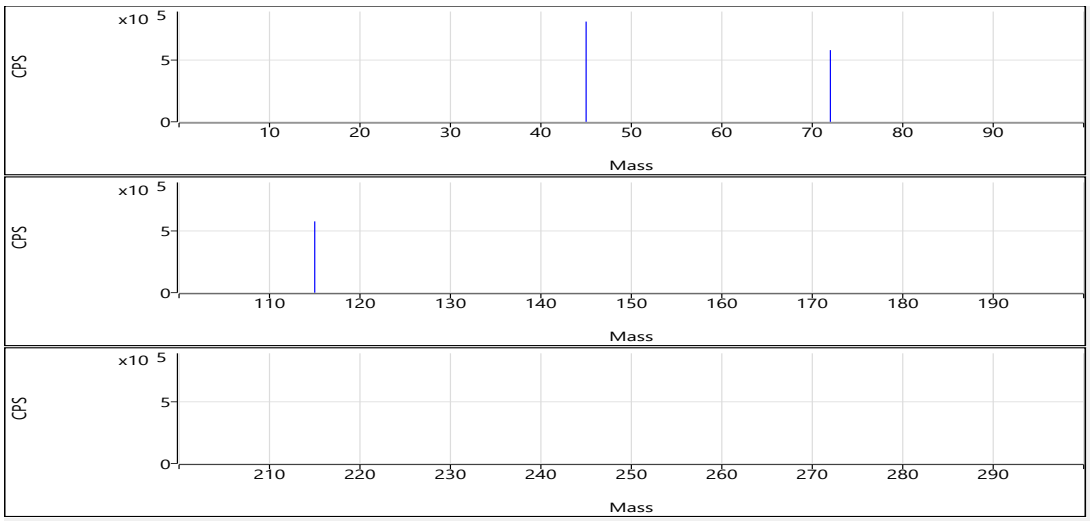
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679873.45	0.2	99.5	Pulse	0.1000	3
No Gas	Ge	72	361105.20	0.4	99.8	Pulse	0.1000	3
H2	Sc	45	807640.04	0.1	104.4	Pulse	0.1000	3
H2	Ge	72	577678.60	0.5	106.2	Pulse	0.1000	3
H2	In	115	574628.83	0.3	104.2	Pulse	0.1000	3
He	Sc	45	58095.73	1.0	104.1	Pulse	0.1000	3
He	Ge	72	92809.08	0.7	103.9	Pulse	0.1000	3
He	In	115	79371.67	0.8	104.5	Pulse	0.1000	3
He	Tb	159	233424.49	1.4	106.2	Pulse	0.1000	3
He	Bi	209	145641.86	0.2	105.7	Pulse	0.1000	3

No Gas

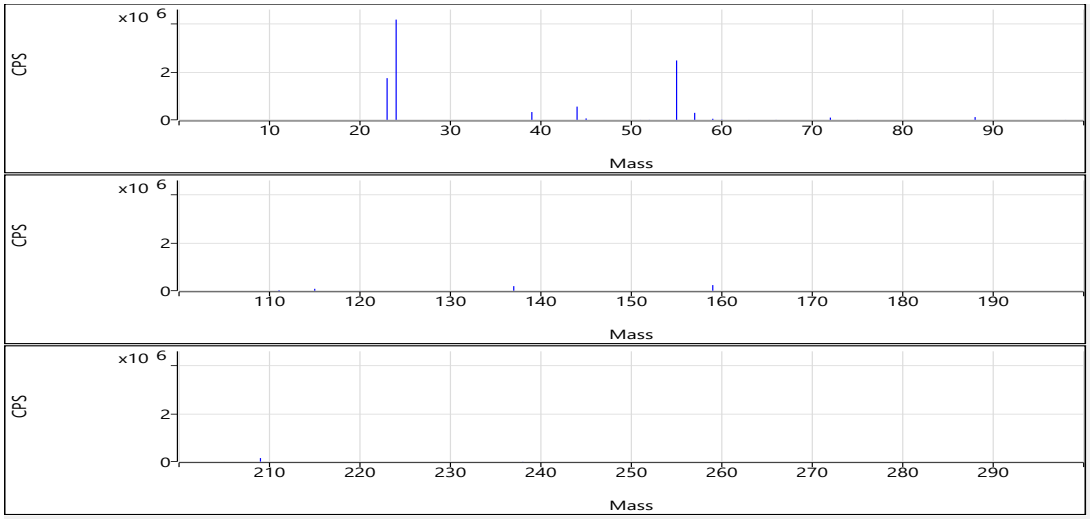


H2



Quantitation Report

He



Quantitation Report

Data File Name	140SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:39:30
Sample Name	410-234898-G-11-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

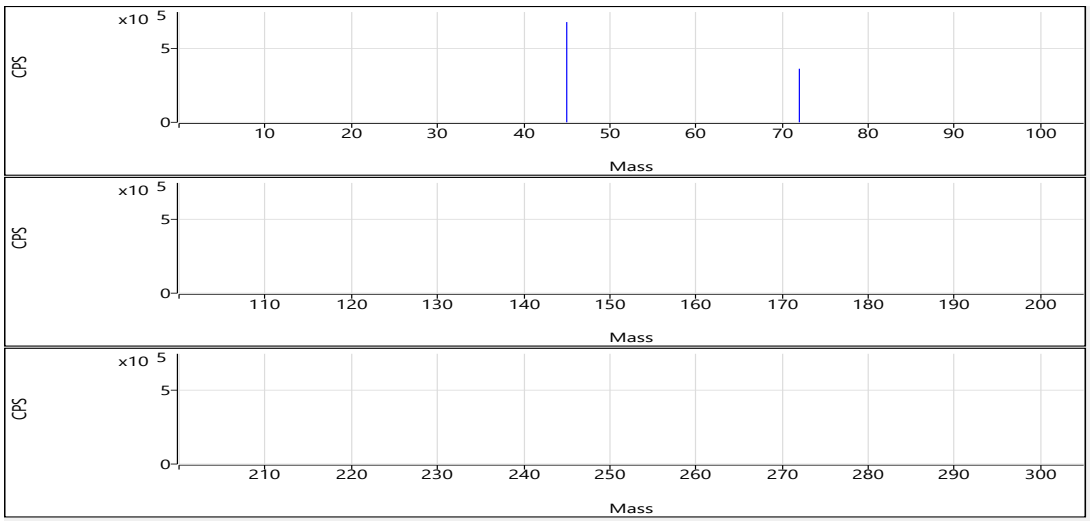
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.048	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.262	ppb	10.4	67.78	0.0001	Pulse	1.5000	3
Na	23	45	He	6220.957	ppb	1.3	1391857.32	24.6315	Pulse	0.1000	3
Mg	24	45	He	25696.402	ppb	1.6	2891076.21	51.1673	Pulse	0.1000	3
Al	27	45	He	195.853	ppb	5.4	7895.76	0.1399	Pulse	0.1000	3
K	39	45	He	2581.356	ppb	2.1	300263.68	5.3146	Pulse	0.1000	3
Ca	44	45	He	73763.047	ppb	1.8	411639.53	7.2857	Pulse	0.1000	3
Ti	47	45	He	5.760	ppb	20.5	226.68	0.0040	Pulse	0.1000	3
V	51	45	He	1.059	ppb	4.3	2519.57	0.0446	Pulse	0.5000	3
Cr	52	72	He	0.880	ppb	14.5	3640.60	0.0399	Pulse	0.1000	3
Mn	55	45	He	37.561	ppb	1.0	33348.92	0.5901	Pulse	0.1000	3
Fe	57	45	He	717.556	ppb	1.0	25673.31	0.4543	Pulse	0.1000	3
Co	59	72	He	0.245	ppb	2.5	986.73	0.0108	Pulse	0.1000	3
Ni	60	115	He	0.236	ppb	64.9	1346.78	0.0174	Pulse	0.1000	3
Cu	63	115	He	0.445	ppb	5.7	1353.44	0.0175	Pulse	0.1000	3
Zn	66	72	He	2.647	ppb	18.9	870.06	0.0096	Pulse	0.1000	3
As	75	72	He	0.568	ppb	6.5	190.00	0.0021	Pulse	0.5000	3
Sr	88	72	He	67.137	ppb	2.2	81413.26	0.8920	Pulse	0.1000	3
Mo	98	72	He	0.402	ppb	8.6	810.06	0.0089	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	29.9	73.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.023	ppb	38.1	12.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.617	ppb	N/A	3470.57	0.0449	Pulse	0.1000	3
Sb	121	115	He	0.070	ppb	50.3	116.67	0.0015	Pulse	0.1000	3
Ba	137	115	He	217.967	ppb	2.3	104863.88	1.3586	Pulse	0.1000	3
Tl	205	209	He	0.034	ppb	4.5	263.35	0.0019	Pulse	0.1000	3
Pb	208	209	He	0.254	ppb	6.2	2193.49	0.0159	Pulse	0.1000	3
U	238	209	He	0.509	ppb	3.8	3810.69	0.0275	Pulse	0.1000	3

ISTD Table:

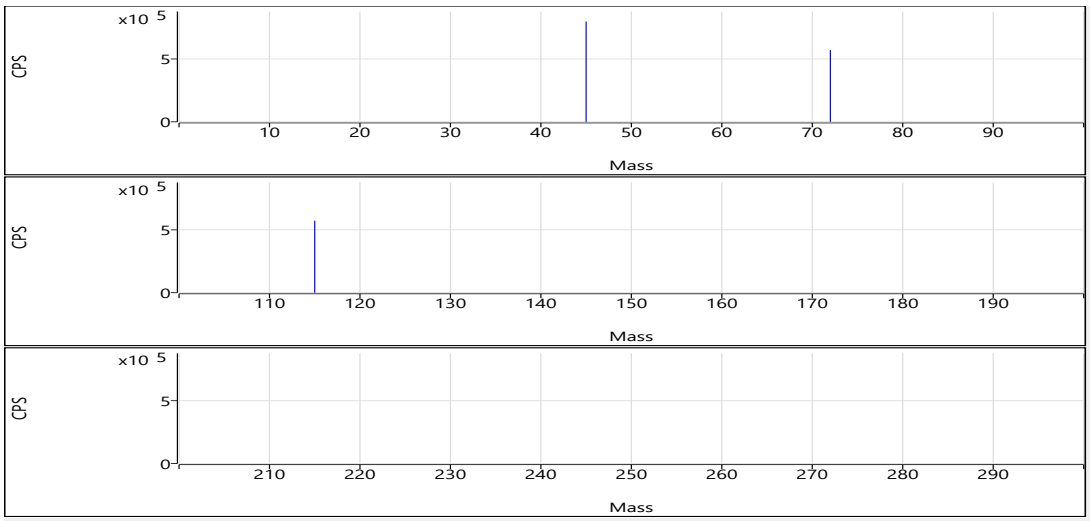
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	676349.44	0.8	98.9	Pulse	0.1000	3
No Gas	Ge	72	361435.35	1.1	99.9	Pulse	0.1000	3
H2	Sc	45	804135.27	1.5	104.0	Pulse	0.1000	3
H2	Ge	72	575661.06	0.4	105.8	Pulse	0.1000	3
H2	In	115	577921.89	0.9	104.8	Pulse	0.1000	3
He	Sc	45	56523.13	3.5	101.3	Pulse	0.1000	3
He	Ge	72	91309.25	3.1	102.2	Pulse	0.1000	3
He	In	115	77179.27	1.7	101.6	Pulse	0.1000	3
He	Tb	159	225359.52	2.4	102.5	Pulse	0.1000	3
He	Bi	209	138461.73	1.9	100.5	Pulse	0.1000	3

No Gas

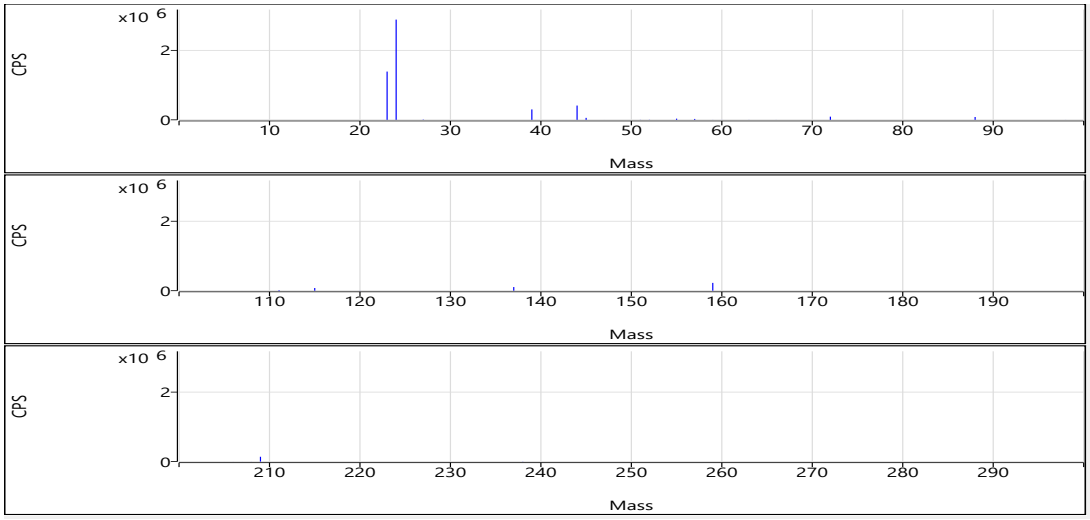


H2



Quantitation Report

He



Quantitation Report

Data File Name	141SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:41:35
Sample Name	410-235003-G-9-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

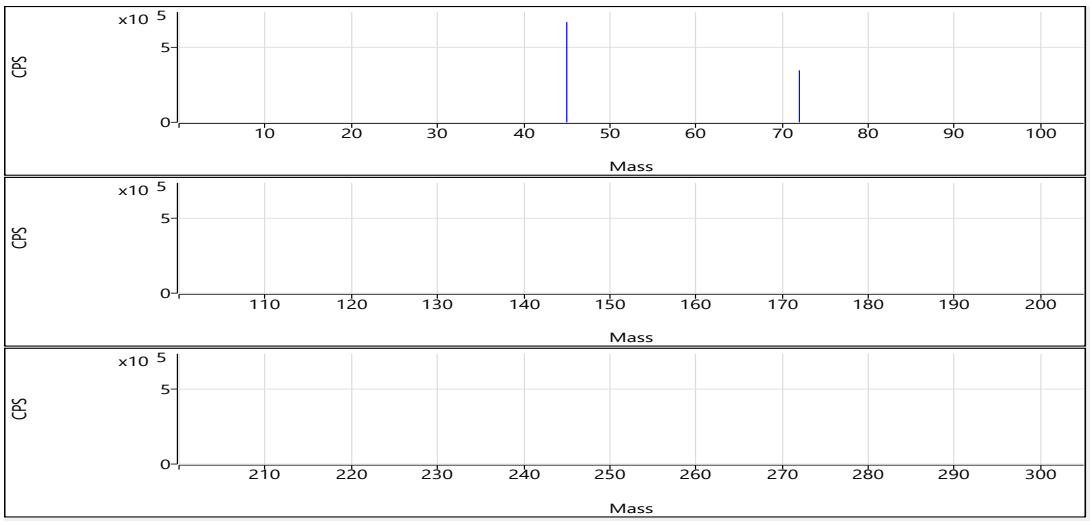
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.045	ppb	N/A	14.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.257	ppb	9.8	64.22	0.0001	Pulse	1.5000	3
Na	23	45	He	133109.489	ppb	2.3	30239793.71	521.5937	Analog	0.1000	3
Mg	24	45	He	13862.368	ppb	1.7	1600693.73	27.6080	Pulse	0.1000	3
Al	27	45	He	2.071	ppb	28.6	236.68	0.0041	Pulse	0.1000	3
K	39	45	He	2998.266	ppb	3.1	353069.28	6.0904	Pulse	0.1000	3
Ca	44	45	He	144011.315	ppb	2.0	824429.83	14.2199	Pulse	0.1000	3
Ti	47	45	He	0.586	ppb	67.0	26.67	0.0005	Pulse	0.1000	3
V	51	45	He	0.202	ppb	12.7	1282.73	0.0221	Pulse	0.5000	3
Cr	52	72	He	0.737	ppb	11.1	3317.16	0.0371	Pulse	0.1000	3
Mn	55	45	He	1.494	ppb	2.7	1613.49	0.0278	Pulse	0.1000	3
Fe	57	45	He	98.957	ppb	4.1	3847.31	0.0664	Pulse	0.1000	3
Co	59	72	He	0.355	ppb	9.4	1316.77	0.0147	Pulse	0.1000	3
Ni	60	115	He	1.472	ppb	10.2	2546.98	0.0318	Pulse	0.1000	3
Cu	63	115	He	11.362	ppb	1.6	29464.01	0.3682	Pulse	0.1000	3
Zn	66	72	He	22.107	ppb	2.3	6478.33	0.0724	Pulse	0.1000	3
As	75	72	He	0.412	ppb	8.3	151.33	0.0017	Pulse	0.5000	3
Sr	88	72	He	1191.145	ppb	1.9	1411286.91	15.7697	Pulse	0.1000	3
Mo	98	72	He	0.071	ppb	38.5	183.34	0.0020	Pulse	0.1000	3
Ag	107	115	He	0.088	ppb	12.6	360.02	0.0045	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	27.0	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.331	ppb	N/A	4037.39	0.0504	Pulse	0.1000	3
Sb	121	115	He	0.067	ppb	36.8	116.67	0.0015	Pulse	0.1000	3
Ba	137	115	He	53.632	ppb	1.5	26827.06	0.3352	Pulse	0.1000	3
Tl	205	209	He	0.027	ppb	7.4	230.01	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.216	ppb	9.3	1953.48	0.0138	Pulse	0.1000	3
U	238	209	He	0.495	ppb	10.5	3794.03	0.0268	Pulse	0.1000	3

ISTD Table:

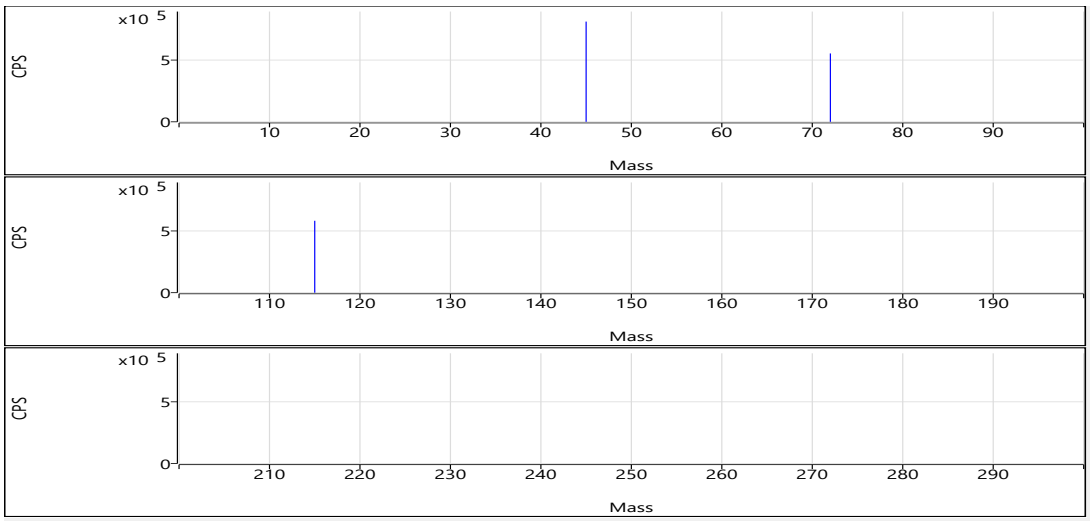
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	672365.77	0.4	98.4	Pulse	0.1000	3
No Gas	Ge	72	348637.78	0.4	96.4	Pulse	0.1000	3
H2	Sc	45	813324.78	0.7	105.1	Pulse	0.1000	3
H2	Ge	72	554781.80	0.5	102.0	Pulse	0.1000	3
H2	In	115	583599.90	0.9	105.8	Pulse	0.1000	3
He	Sc	45	57992.35	2.0	103.9	Pulse	0.1000	3
He	Ge	72	89501.57	0.8	100.2	Pulse	0.1000	3
He	In	115	80020.95	1.3	105.4	Pulse	0.1000	3
He	Tb	159	231411.81	0.4	105.3	Pulse	0.1000	3
He	Bi	209	141768.15	0.9	102.9	Pulse	0.1000	3

No Gas

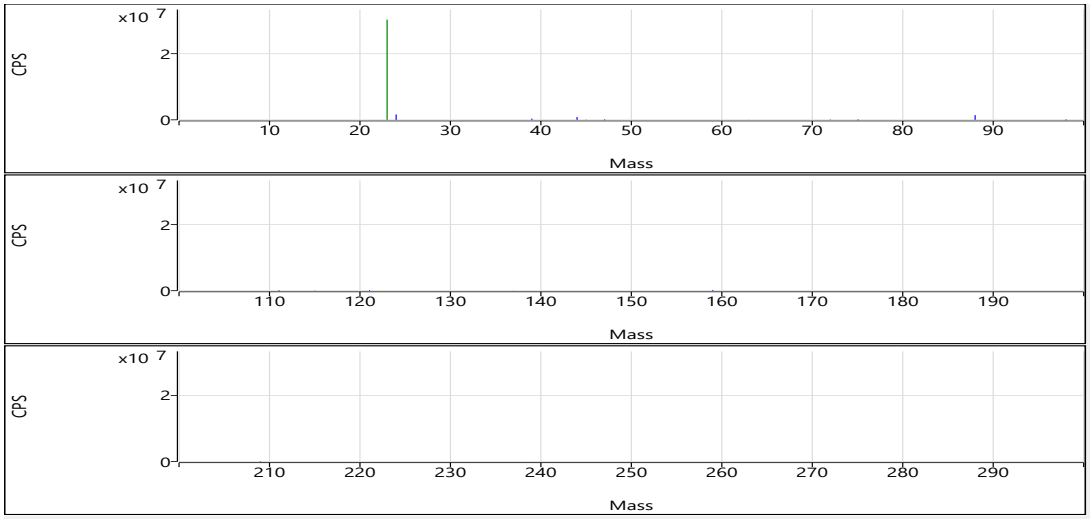


H2



Quantitation Report

He



Quantitation Report

Data File Name	142SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:43:40
Sample Name	410-235032-G-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

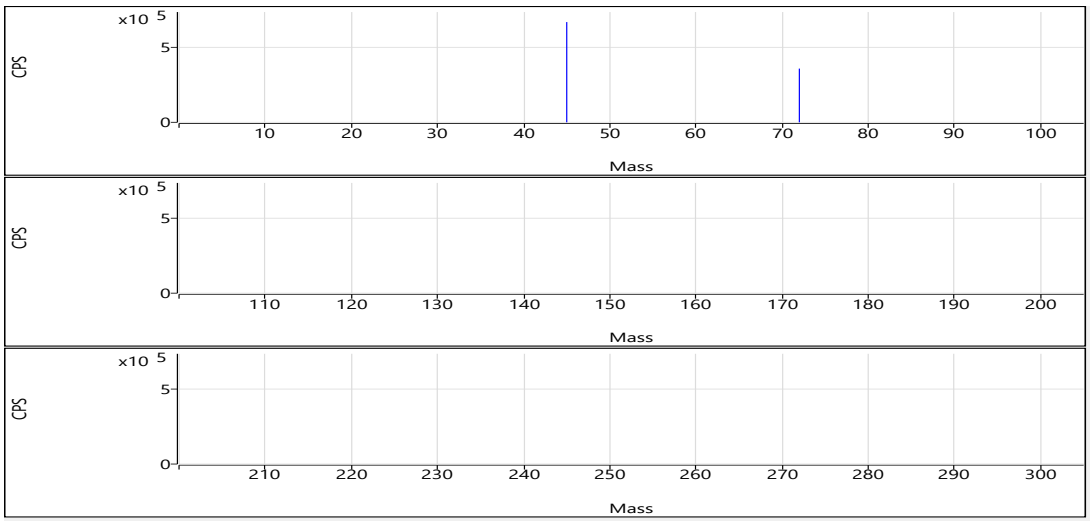
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.048	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.159	ppb	12.4	43.55	0.0001	Pulse	1.5000	3
Na	23	45	He	54602.279	ppb	0.7	12827095.64	214.1182	Analog	0.1000	3
Mg	24	45	He	12999.886	ppb	0.5	1551052.79	25.8910	Pulse	0.1000	3
Al	27	45	He	1.012	ppb	38.3	200.01	0.0033	Pulse	0.1000	3
K	39	45	He	4182.748	ppb	1.1	496884.00	8.2943	Pulse	0.1000	3
Ca	44	45	He	29660.345	ppb	1.2	175668.71	2.9323	Pulse	0.1000	3
Ti	47	45	He	0.398	ppb	61.1	20.00	0.0003	Pulse	0.1000	3
V	51	45	He	0.116	ppb	2.1	1189.39	0.0199	Pulse	0.5000	3
Cr	52	72	He	-0.081	ppb	N/A	1990.21	0.0207	Pulse	0.1000	3
Mn	55	45	He	99.493	ppb	1.5	93191.65	1.5556	Pulse	0.1000	3
Fe	57	45	He	8.217	ppb	29.1	566.70	0.0095	Pulse	0.1000	3
Co	59	72	He	0.511	ppb	8.4	1950.20	0.0203	Pulse	0.1000	3
Ni	60	115	He	1.477	ppb	11.3	2553.64	0.0319	Pulse	0.1000	3
Cu	63	115	He	1.675	ppb	6.4	4567.55	0.0571	Pulse	0.1000	3
Zn	66	72	He	2.891	ppb	14.1	993.41	0.0103	Pulse	0.1000	3
As	75	72	He	0.446	ppb	10.7	170.67	0.0018	Pulse	0.5000	3
Sr	88	72	He	177.747	ppb	0.8	226391.08	2.3560	Pulse	0.1000	3
Mo	98	72	He	0.044	ppb	38.8	143.34	0.0015	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	90.4	73.34	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.252	ppb	4.5	120.00	0.0015	Pulse	0.5000	3
Sn	120	115	He	-0.444	ppb	N/A	3860.70	0.0483	Pulse	0.1000	3
Sb	121	115	He	0.065	ppb	75.1	113.34	0.0014	Pulse	0.1000	3
Ba	137	115	He	19.783	ppb	3.0	9960.62	0.1244	Pulse	0.1000	3
Tl	205	209	He	0.012	ppb	83.1	146.67	0.0010	Pulse	0.1000	3
Pb	208	209	He	0.020	ppb	42.6	463.35	0.0032	Pulse	0.1000	3
U	238	209	He	0.013	ppb	20.8	223.34	0.0015	Pulse	0.1000	3

ISTD Table:

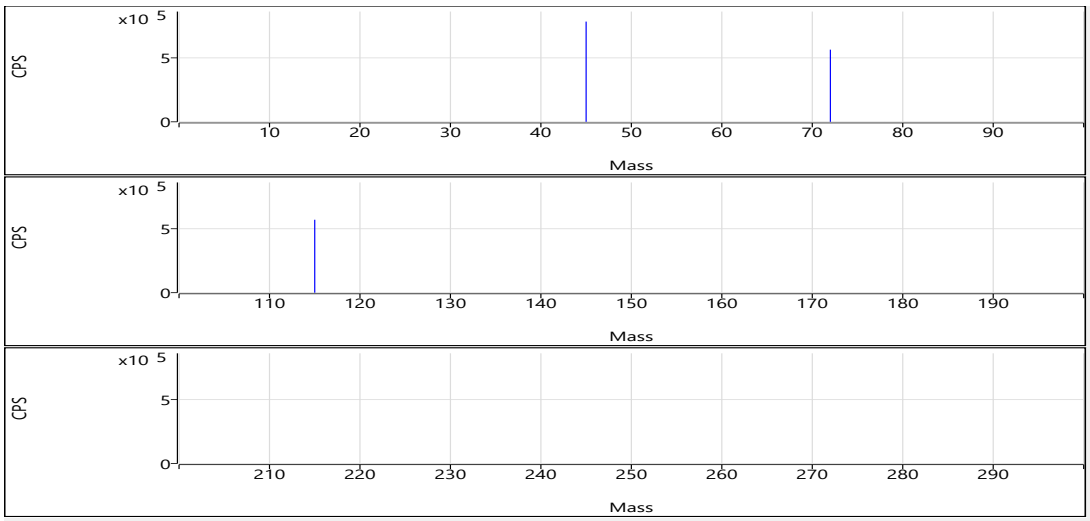
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	673358.17	1.1	98.5	Pulse	0.1000	3
No Gas	Ge	72	360689.77	1.0	99.7	Pulse	0.1000	3
H2	Sc	45	787837.44	1.1	101.8	Pulse	0.1000	3
H2	Ge	72	567176.84	1.1	104.3	Pulse	0.1000	3
H2	In	115	573357.39	1.5	104.0	Pulse	0.1000	3
He	Sc	45	59906.87	0.5	107.3	Pulse	0.1000	3
He	Ge	72	96086.92	0.8	107.6	Pulse	0.1000	3
He	In	115	80052.43	1.3	105.4	Pulse	0.1000	3
He	Tb	159	236793.59	0.5	107.7	Pulse	0.1000	3
He	Bi	209	145245.05	1.2	105.4	Pulse	0.1000	3

No Gas

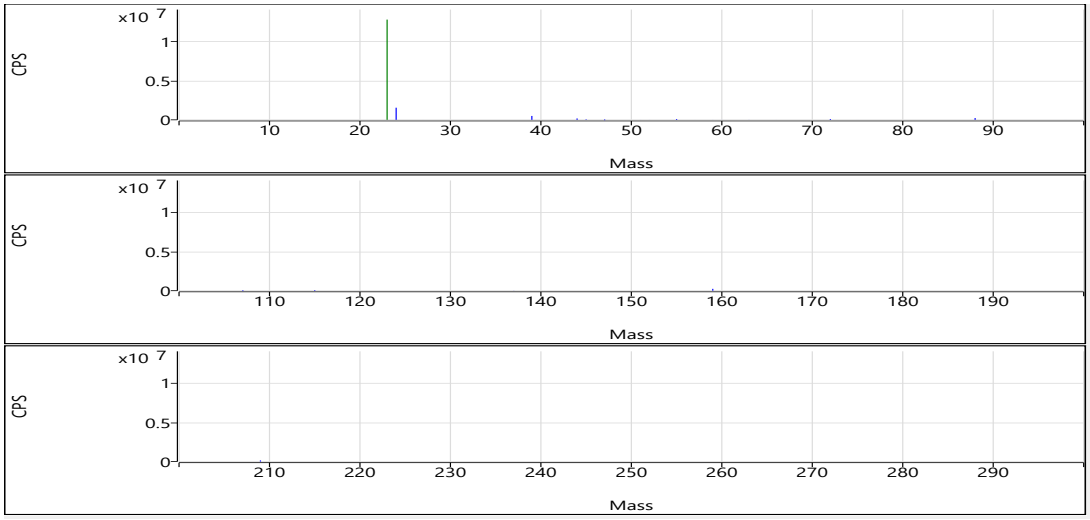


H2



Quantitation Report

He



Quantitation Report

Data File Name	144_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:47:51
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

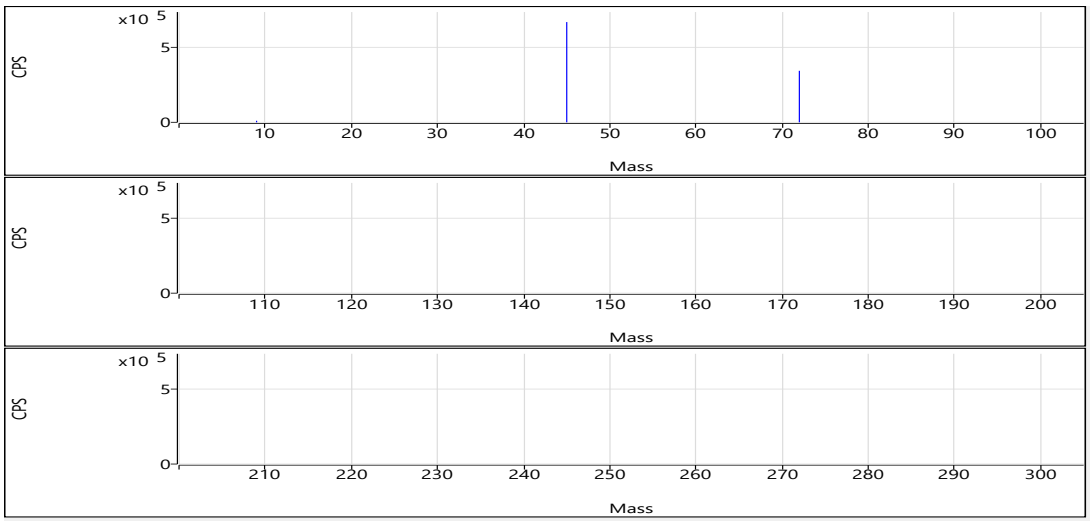
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.780	ppb	1.3	10168.16	0.0152	Pulse	0.5000	3
Se	78	72	H2	52.811	ppb	0.8	11652.26	0.0209	Pulse	1.5000	3
Na	23	45	He	5071.046	ppb	1.5	1190538.03	20.1278	Pulse	0.1000	3
Mg	24	45	He	5043.315	ppb	1.4	594525.25	10.0511	Pulse	0.1000	3
Al	27	45	He	5032.329	ppb	1.8	208720.56	3.5288	Pulse	0.1000	3
K	39	45	He	5090.374	ppb	2.5	590428.82	9.9832	Pulse	0.1000	3
Ca	44	45	He	5232.297	ppb	2.6	30809.90	0.5210	Pulse	0.1000	3
Ti	47	45	He	4985.334	ppb	1.9	203026.51	3.4327	Pulse	0.1000	3
V	51	45	He	507.811	ppb	1.8	788324.00	13.3286	Pulse	0.5000	3
Cr	52	72	He	518.782	ppb	0.2	967503.53	10.3886	Pulse	0.1000	3
Mn	55	45	He	510.342	ppb	2.1	470860.14	7.9608	Pulse	0.1000	3
Fe	57	45	He	5071.405	ppb	1.4	188373.79	3.1848	Pulse	0.1000	3
Co	59	72	He	520.635	ppb	0.3	1733128.72	18.6094	Pulse	0.1000	3
Ni	60	115	He	500.474	ppb	2.0	477503.40	5.8355	Pulse	0.1000	3
Cu	63	115	He	499.508	ppb	1.4	1313292.64	16.0489	Pulse	0.1000	3
Zn	66	72	He	513.001	ppb	1.1	154353.70	1.6574	Pulse	0.1000	3
As	75	72	He	520.234	ppb	0.4	121564.30	1.3053	Pulse	0.5000	3
Sr	88	72	He	51.283	ppb	1.0	63525.65	0.6821	Pulse	0.1000	3
Mo	98	72	He	51.263	ppb	2.2	98119.76	1.0535	Pulse	0.1000	3
Ag	107	115	He	50.557	ppb	0.9	191797.99	2.3437	Pulse	0.1000	3
Cd	111	115	He	50.014	ppb	0.5	23908.99	0.2922	Pulse	0.5000	3
Sn	120	115	He	50.324	ppb	1.3	83493.56	1.0203	Pulse	0.1000	3
Sb	121	115	He	50.425	ppb	1.3	70365.14	0.8599	Pulse	0.1000	3
Ba	137	115	He	506.361	ppb	0.9	258153.08	3.1546	Pulse	0.1000	3
Tl	205	209	He	50.804	ppb	1.6	303504.65	2.0613	Pulse	0.1000	3
Pb	208	209	He	50.334	ppb	0.3	400554.99	2.7202	Pulse	0.1000	3
U	238	209	He	49.961	ppb	0.7	385415.72	2.6175	Pulse	0.1000	3

ISTD Table:

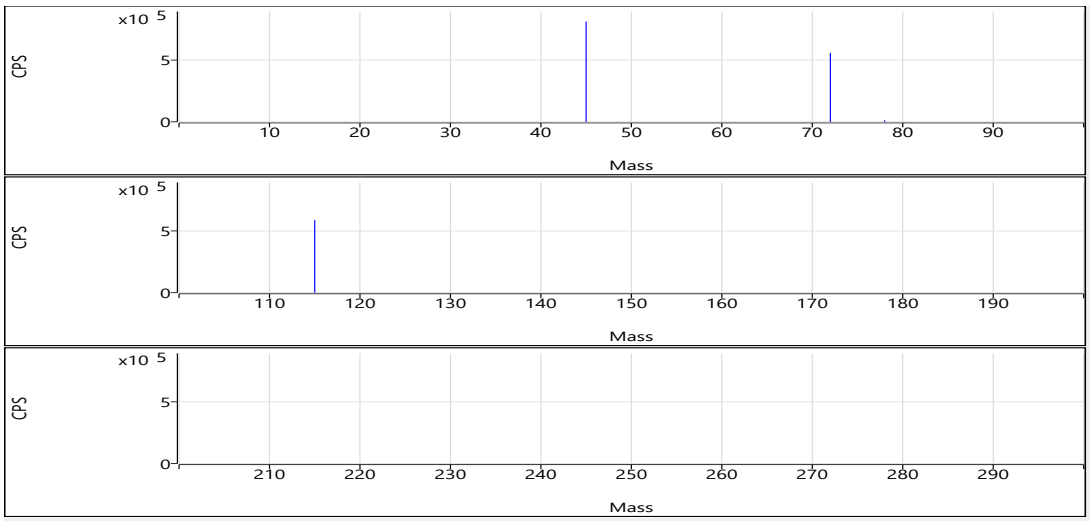
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	667030.75	0.9	97.6	Pulse	0.1000	3
No Gas	Ge	72	342773.68	0.6	94.8	Pulse	0.1000	3
H2	Sc	45	809289.26	0.2	104.6	Pulse	0.1000	3
H2	Ge	72	556549.05	0.4	102.3	Pulse	0.1000	3
H2	In	115	585582.96	1.1	106.2	Pulse	0.1000	3
He	Sc	45	59156.74	1.6	106.0	Pulse	0.1000	3
He	Ge	72	93131.40	0.2	104.3	Pulse	0.1000	3
He	In	115	81838.90	1.1	107.8	Pulse	0.1000	3
He	Tb	159	239136.49	1.4	108.8	Pulse	0.1000	3
He	Bi	209	147254.25	0.9	106.9	Pulse	0.1000	3

No Gas

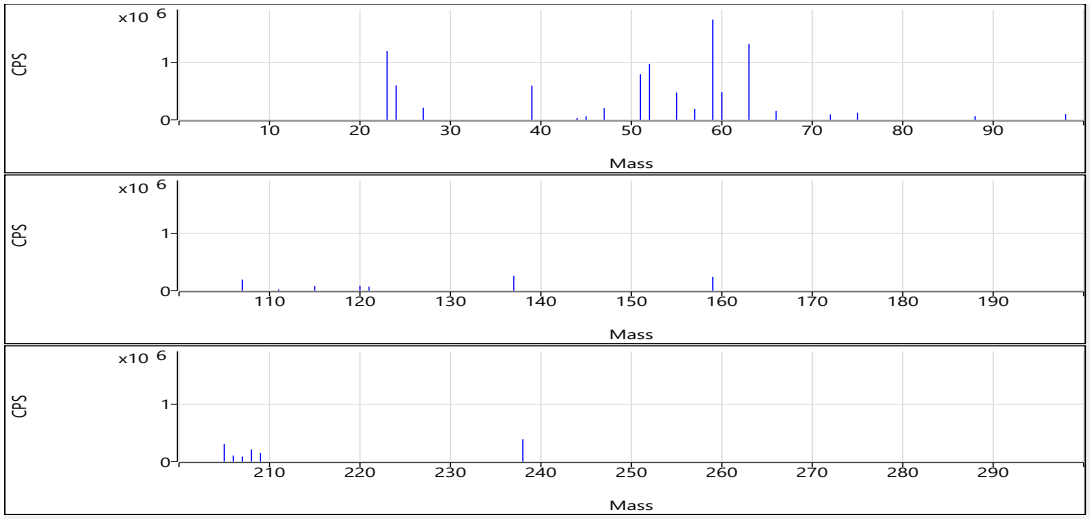


H2



Quantitation Report

He



Quantitation Report

Data File Name	146_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:52:04
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

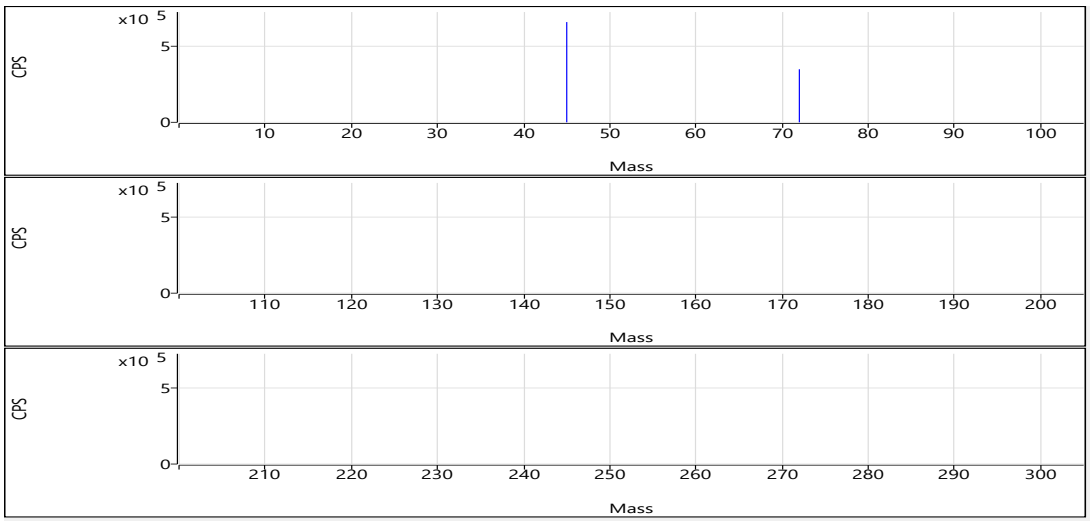
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.040	ppb	N/A	14.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.120	ppb	6.0	33.55	0.0001	Pulse	1.5000	3
Na	23	45	He	34.959	ppb	19.7	23979.92	0.4039	Pulse	0.1000	3
Mg	24	45	He	32.199	ppb	8.6	4447.47	0.0749	Pulse	0.1000	3
Al	27	45	He	-0.197	ppb	N/A	146.67	0.0025	Pulse	0.1000	3
K	39	45	He	0.837	ppb	3406.5	30435.76	0.5131	Pulse	0.1000	3
Ca	44	45	He	105.070	ppb	2.9	883.39	0.0149	Pulse	0.1000	3
Ti	47	45	He	1.370	ppb	27.6	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.208	ppb	8.4	1324.73	0.0223	Pulse	0.5000	3
Cr	52	72	He	0.138	ppb	65.4	2256.92	0.0251	Pulse	0.1000	3
Mn	55	45	He	0.972	ppb	11.7	1173.43	0.0197	Pulse	0.1000	3
Fe	57	45	He	4.559	ppb	20.4	426.69	0.0072	Pulse	0.1000	3
Co	59	72	He	0.198	ppb	8.1	820.05	0.0091	Pulse	0.1000	3
Ni	60	115	He	0.026	ppb	610.3	1186.77	0.0150	Pulse	0.1000	3
Cu	63	115	He	0.226	ppb	10.6	833.39	0.0105	Pulse	0.1000	3
Zn	66	72	He	0.263	ppb	34.8	166.67	0.0019	Pulse	0.1000	3
As	75	72	He	0.377	ppb	15.0	144.00	0.0016	Pulse	0.5000	3
Sr	88	72	He	0.281	ppb	18.3	633.37	0.0070	Pulse	0.1000	3
Mo	98	72	He	0.081	ppb	39.5	203.34	0.0023	Pulse	0.1000	3
Ag	107	115	He	0.028	ppb	40.2	136.67	0.0017	Pulse	0.1000	3
Cd	111	115	He	0.018	ppb	80.1	10.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.288	ppb	25.7	4934.41	0.0623	Pulse	0.1000	3
Sb	121	115	He	0.076	ppb	14.4	126.67	0.0016	Pulse	0.1000	3
Ba	137	115	He	0.567	ppb	13.4	376.68	0.0048	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	22.0	380.02	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.008	ppb	122.8	366.68	0.0026	Pulse	0.1000	3
U	238	209	He	0.027	ppb	23.7	323.35	0.0023	Pulse	0.1000	3

ISTD Table:

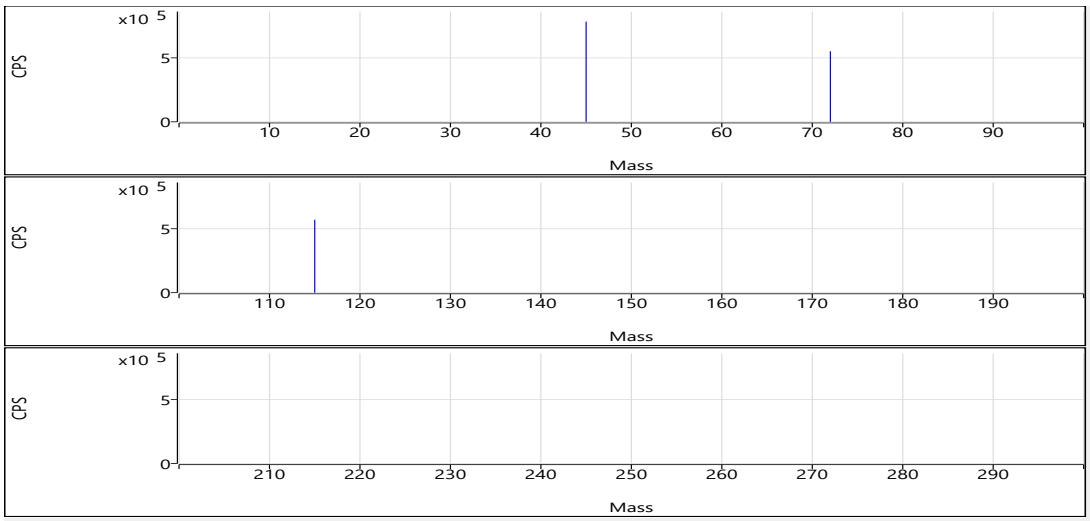
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	657831.49	1.0	96.2	Pulse	0.1000	3
No Gas	Ge	72	348088.20	0.8	96.2	Pulse	0.1000	3
H2	Sc	45	777550.15	1.5	100.5	Pulse	0.1000	3
H2	Ge	72	547599.51	0.4	100.7	Pulse	0.1000	3
H2	In	115	566326.55	0.6	102.7	Pulse	0.1000	3
He	Sc	45	59471.53	3.7	106.5	Pulse	0.1000	3
He	Ge	72	89957.09	0.9	100.7	Pulse	0.1000	3
He	In	115	79209.79	2.4	104.3	Pulse	0.1000	3
He	Tb	159	230902.37	0.9	105.1	Pulse	0.1000	3
He	Bi	209	143162.77	0.7	103.9	Pulse	0.1000	3

No Gas

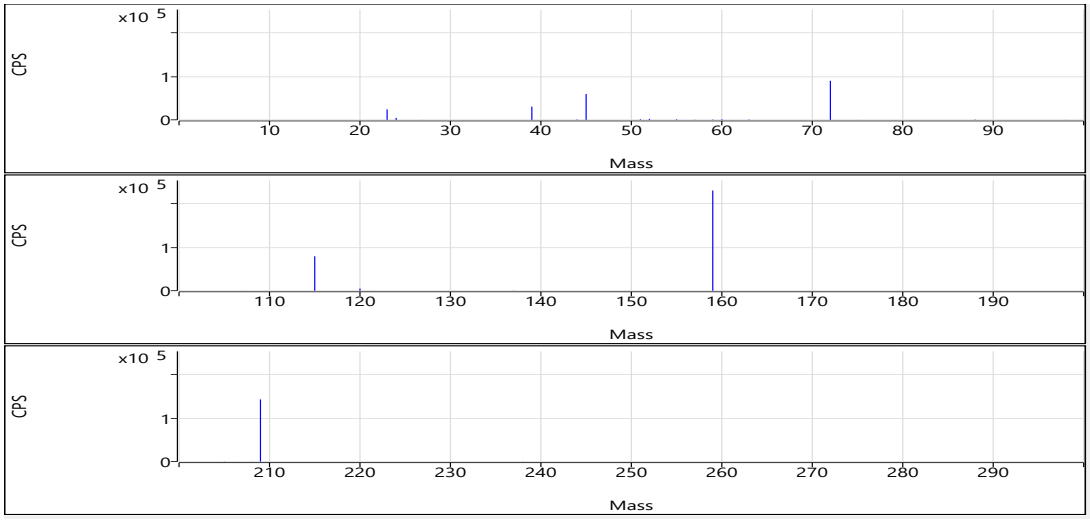


H2



Quantitation Report

He



Quantitation Report

Data File Name	147SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:54:09
Sample Name	410-235073-K-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

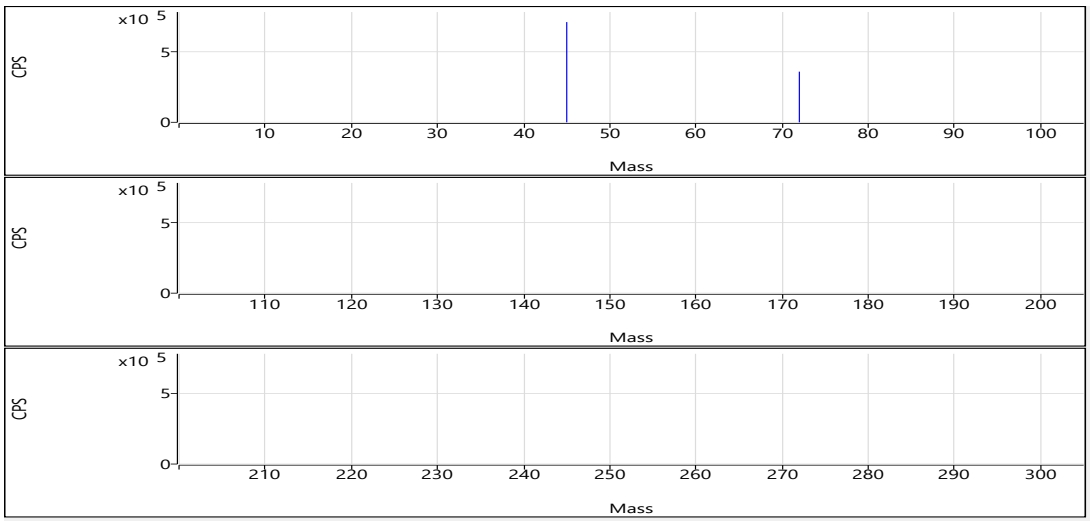
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.029	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.508	ppb	13.3	121.56	0.0002	Pulse	1.5000	3
Na	23	45	He	15468.583	ppb	0.8	3493688.39	60.8501	Pulse	0.1000	3
Mg	24	45	He	8207.932	ppb	0.7	938810.04	16.3512	Pulse	0.1000	3
Al	27	45	He	1432.682	ppb	1.0	57793.23	1.0065	Pulse	0.1000	3
K	39	45	He	3525.416	ppb	1.2	405996.57	7.0712	Pulse	0.1000	3
Ca	44	45	He	38349.137	ppb	1.3	217609.89	3.7899	Pulse	0.1000	3
Ti	47	45	He	2.443	ppb	27.4	100.00	0.0017	Pulse	0.1000	3
V	51	45	He	0.423	ppb	4.7	1602.10	0.0279	Pulse	0.5000	3
Cr	52	72	He	0.110	ppb	8.9	2143.57	0.0245	Pulse	0.1000	3
Mn	55	45	He	2323.029	ppb	1.0	2079712.73	36.2208	Pulse	0.1000	3
Fe	57	45	He	147.688	ppb	5.6	5564.60	0.0969	Pulse	0.1000	3
Co	59	72	He	0.368	ppb	16.9	1326.77	0.0152	Pulse	0.1000	3
Ni	60	115	He	0.097	ppb	43.6	1250.09	0.0158	Pulse	0.1000	3
Cu	63	115	He	3.577	ppb	2.7	9330.03	0.1182	Pulse	0.1000	3
Zn	66	72	He	2.185	ppb	9.9	703.38	0.0081	Pulse	0.1000	3
As	75	72	He	2.730	ppb	3.4	655.35	0.0075	Pulse	0.5000	3
Sr	88	72	He	94.584	ppb	1.6	109654.56	1.2553	Pulse	0.1000	3
Mo	98	72	He	0.179	ppb	18.2	373.36	0.0043	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	0.2	60.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.027	ppb	24.3	14.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.460	ppb	N/A	3787.32	0.0480	Pulse	0.1000	3
Sb	121	115	He	0.133	ppb	30.9	203.34	0.0026	Pulse	0.1000	3
Ba	137	115	He	59.694	ppb	0.3	29452.25	0.3730	Pulse	0.1000	3
Tl	205	209	He	0.047	ppb	54.4	340.02	0.0024	Pulse	0.1000	3
Pb	208	209	He	0.103	ppb	9.8	1086.72	0.0077	Pulse	0.1000	3
U	238	209	He	0.100	ppb	10.8	863.40	0.0061	Pulse	0.1000	3

ISTD Table:

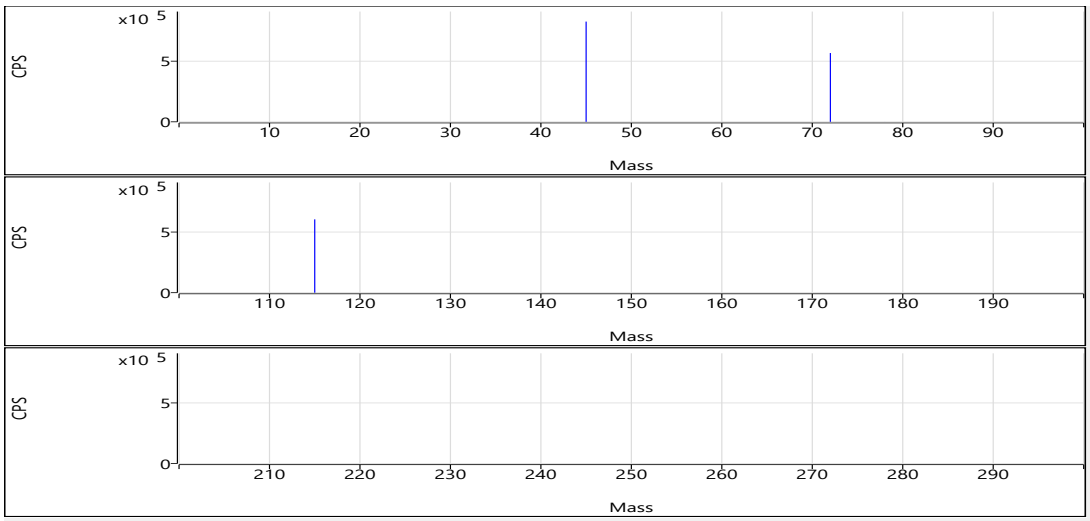
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	707941.06	0.5	103.6	Pulse	0.1000	3
No Gas	Ge	72	357656.19	1.1	98.9	Pulse	0.1000	3
H2	Sc	45	825083.03	2.4	106.7	Pulse	0.1000	3
H2	Ge	72	566217.09	1.9	104.1	Pulse	0.1000	3
H2	In	115	603620.87	0.8	109.4	Pulse	0.1000	3
He	Sc	45	57416.65	0.7	102.9	Pulse	0.1000	3
He	Ge	72	87364.48	2.0	97.8	Pulse	0.1000	3
He	In	115	78966.75	0.1	104.0	Pulse	0.1000	3
He	Tb	159	228702.84	0.5	104.1	Pulse	0.1000	3
He	Bi	209	141405.85	0.7	102.6	Pulse	0.1000	3

No Gas

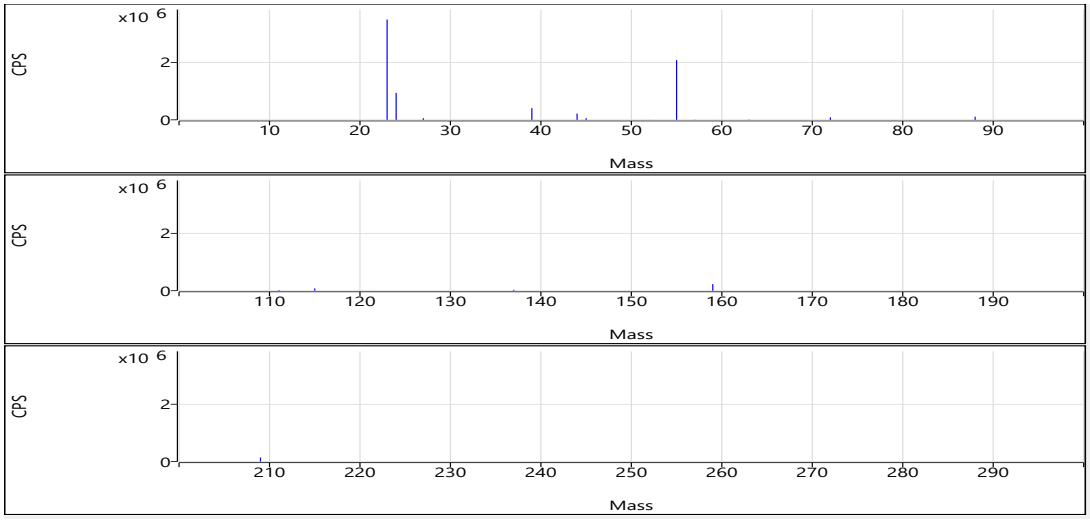


H2



Quantitation Report

He



Quantitation Report

Data File Name	148SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:56:16
Sample Name	410-235068-K-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

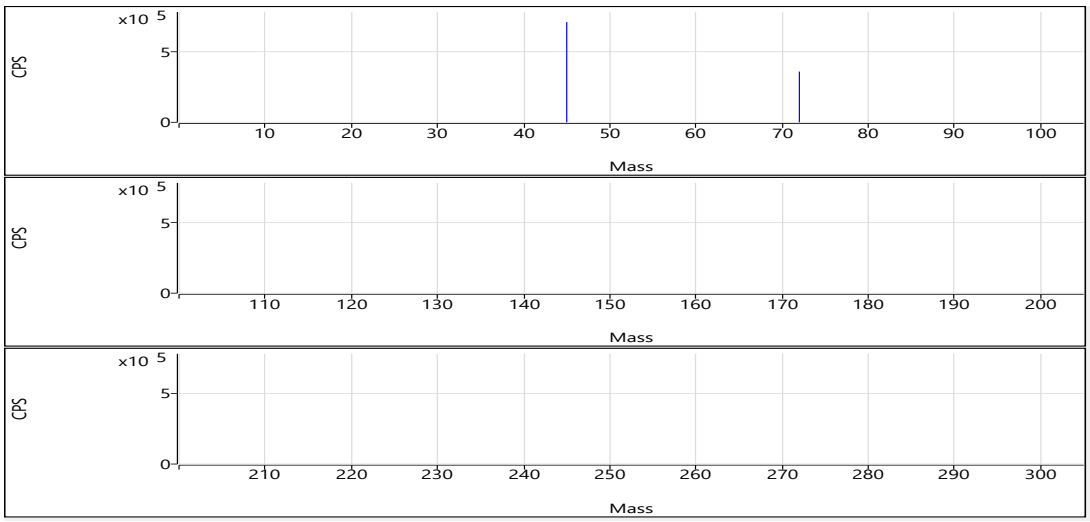
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.236	ppb	30.3	74.67	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.471	ppb	5.1	117.11	0.0002	Pulse	1.5000	3
Na	23	45	He	1705.434	ppb	0.9	410794.81	6.9463	Pulse	0.1000	3
Mg	24	45	He	1465.246	ppb	2.0	173181.64	2.9278	Pulse	0.1000	3
Al	27	45	He	61270.925	ppb	0.9	2539077.67	42.9356	Pulse	0.1000	3
K	39	45	He	611.921	ppb	4.2	97518.49	1.6501	Pulse	0.1000	3
Ca	44	45	He	6374.551	ppb	2.1	37495.45	0.6337	Pulse	0.1000	3
Ti	47	45	He	31.609	ppb	14.1	1286.78	0.0218	Pulse	0.1000	3
V	51	45	He	8.368	ppb	0.8	13965.37	0.2362	Pulse	0.5000	3
Cr	52	72	He	4.015	ppb	5.9	9523.49	0.1026	Pulse	0.1000	3
Mn	55	45	He	838.336	ppb	0.7	773344.44	13.0743	Pulse	0.1000	3
Fe	57	45	He	4142.929	ppb	0.5	153901.24	2.6025	Pulse	0.1000	3
Co	59	72	He	3.205	ppb	4.5	10811.00	0.1166	Pulse	0.1000	3
Ni	60	115	He	6.231	ppb	4.7	6948.57	0.0872	Pulse	0.1000	3
Cu	63	115	He	174.127	ppb	0.4	446234.31	5.5967	Pulse	0.1000	3
Zn	66	72	He	24.625	ppb	2.1	7472.19	0.0805	Pulse	0.1000	3
As	75	72	He	5.338	ppb	4.0	1303.40	0.0140	Pulse	0.5000	3
Sr	88	72	He	45.485	ppb	2.1	56175.42	0.6054	Pulse	0.1000	3
Mo	98	72	He	0.284	ppb	6.2	596.70	0.0064	Pulse	0.1000	3
Ag	107	115	He	0.034	ppb	24.7	160.01	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.060	ppb	21.6	30.00	0.0004	Pulse	0.5000	3
Sn	120	115	He	-0.468	ppb	N/A	3810.64	0.0478	Pulse	0.1000	3
Sb	121	115	He	0.130	ppb	24.5	200.01	0.0025	Pulse	0.1000	3
Ba	137	115	He	49.386	ppb	1.7	24622.67	0.3088	Pulse	0.1000	3
Tl	205	209	He	0.057	ppb	19.9	420.02	0.0028	Pulse	0.1000	3
Pb	208	209	He	4.584	ppb	1.3	36898.21	0.2496	Pulse	0.1000	3
U	238	209	He	2.691	ppb	0.3	20961.16	0.1418	Pulse	0.1000	3

ISTD Table:

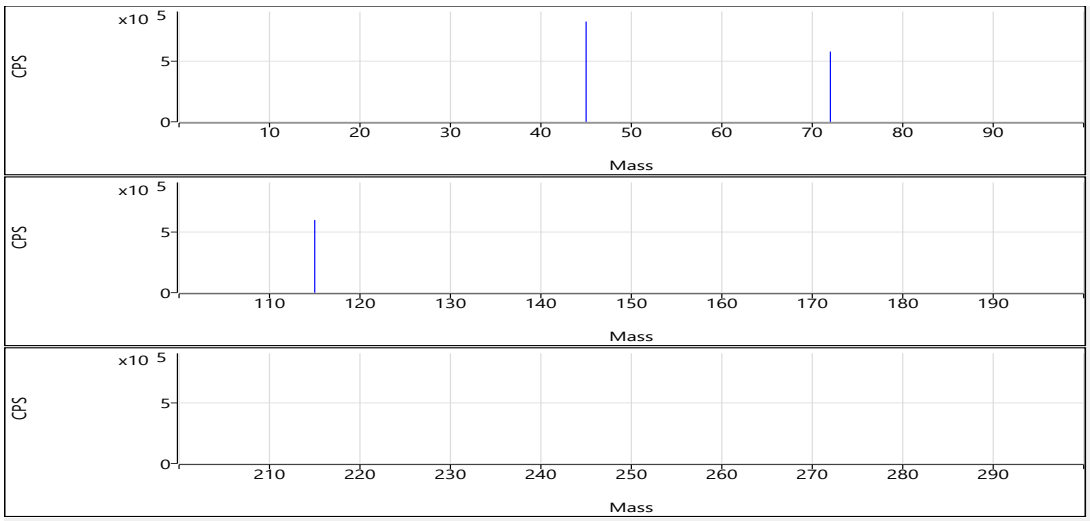
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712535.77	1.4	104.2	Pulse	0.1000	3
No Gas	Ge	72	360429.03	1.1	99.6	Pulse	0.1000	3
H2	Sc	45	832851.19	1.4	107.7	Pulse	0.1000	3
H2	Ge	72	583616.24	0.9	107.3	Pulse	0.1000	3
H2	In	115	604623.25	0.9	109.6	Pulse	0.1000	3
He	Sc	45	59143.16	3.9	106.0	Pulse	0.1000	3
He	Ge	72	92779.22	2.8	103.9	Pulse	0.1000	3
He	In	115	79731.65	3.4	105.0	Pulse	0.1000	3
He	Tb	159	235117.02	3.0	107.0	Pulse	0.1000	3
He	Bi	209	147833.32	2.2	107.3	Pulse	0.1000	3

No Gas

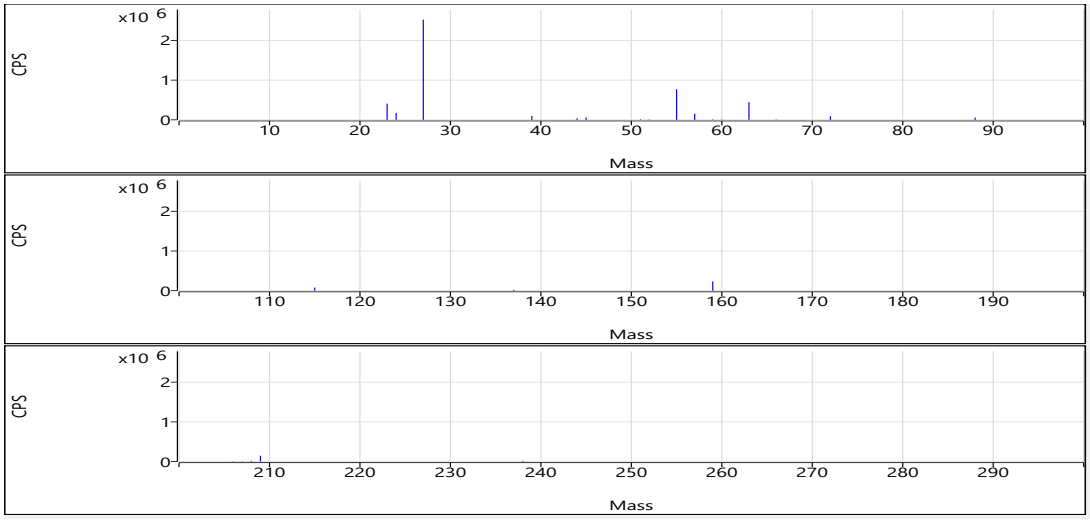


H2



Quantitation Report

He



Quantitation Report

Data File Name	149SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 19:58:22
Sample Name	410-235098-AD-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

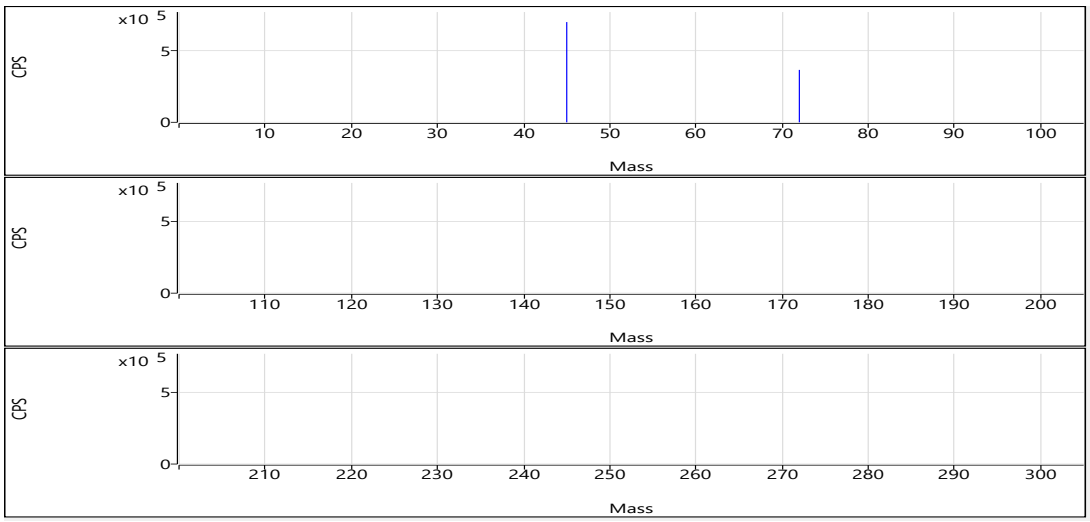
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.050	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.083	ppb	12.7	27.33	0.0000	Pulse	1.5000	3
Na	23	45	He	14114.099	ppb	2.4	3274480.58	55.5452	Pulse	0.1000	3
Mg	24	45	He	9217.741	ppb	2.4	1082505.45	18.3615	Pulse	0.1000	3
Al	27	45	He	166.422	ppb	13.7	7035.27	0.1192	Pulse	0.1000	3
K	39	45	He	1339.747	ppb	2.8	177105.19	3.0044	Pulse	0.1000	3
Ca	44	45	He	35793.089	ppb	2.5	208557.58	3.5376	Pulse	0.1000	3
Ti	47	45	He	1.225	ppb	41.0	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	0.161	ppb	28.2	1240.06	0.0210	Pulse	0.5000	3
Cr	52	72	He	-0.007	ppb	N/A	2070.21	0.0222	Pulse	0.1000	3
Mn	55	45	He	3.442	ppb	2.3	3430.53	0.0582	Pulse	0.1000	3
Fe	57	45	He	45.975	ppb	16.4	1956.87	0.0331	Pulse	0.1000	3
Co	59	72	He	0.129	ppb	6.6	623.37	0.0067	Pulse	0.1000	3
Ni	60	115	He	-0.229	ppb	N/A	966.74	0.0120	Pulse	0.1000	3
Cu	63	115	He	4.876	ppb	7.5	12849.45	0.1599	Pulse	0.1000	3
Zn	66	72	He	11.766	ppb	4.1	3643.92	0.0390	Pulse	0.1000	3
As	75	72	He	0.619	ppb	11.7	206.67	0.0022	Pulse	0.5000	3
Sr	88	72	He	326.380	ppb	2.0	404059.60	4.3234	Pulse	0.1000	3
Mo	98	72	He	0.592	ppb	5.9	1193.42	0.0128	Pulse	0.1000	3
Ag	107	115	He	0.013	ppb	24.7	83.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.015	ppb	64.0	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.664	ppb	N/A	3540.59	0.0441	Pulse	0.1000	3
Sb	121	115	He	0.036	ppb	86.2	73.33	0.0009	Pulse	0.1000	3
Ba	137	115	He	138.231	ppb	1.6	69284.87	0.8621	Pulse	0.1000	3
Tl	205	209	He	0.021	ppb	42.6	196.68	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.094	ppb	6.8	1050.07	0.0072	Pulse	0.1000	3
U	238	209	He	3.347	ppb	3.1	25552.82	0.1761	Pulse	0.1000	3

ISTD Table:

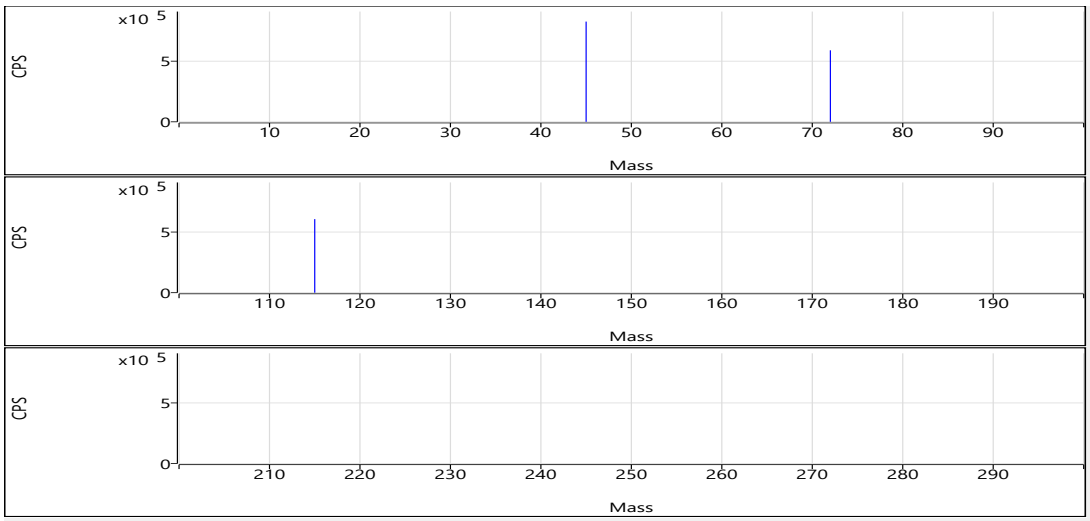
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	699225.61	1.0	102.3	Pulse	0.1000	3
No Gas	Ge	72	365646.02	0.8	101.1	Pulse	0.1000	3
H2	Sc	45	820134.83	1.5	106.0	Pulse	0.1000	3
H2	Ge	72	585113.62	0.9	107.6	Pulse	0.1000	3
H2	In	115	601884.12	0.9	109.1	Pulse	0.1000	3
He	Sc	45	58962.56	2.0	105.6	Pulse	0.1000	3
He	Ge	72	93500.35	3.3	104.7	Pulse	0.1000	3
He	In	115	80370.01	0.5	105.8	Pulse	0.1000	3
He	Tb	159	233217.80	3.3	106.1	Pulse	0.1000	3
He	Bi	209	145141.30	2.3	105.4	Pulse	0.1000	3

No Gas

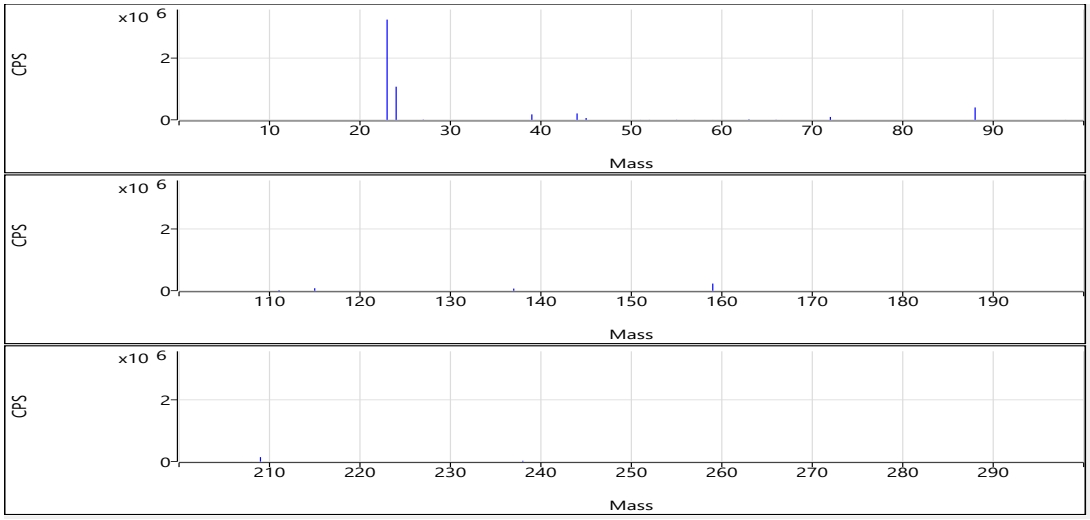


H2



Quantitation Report

He



Quantitation Report

Data File Name	150SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:00:27
Sample Name	410-234913-F-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

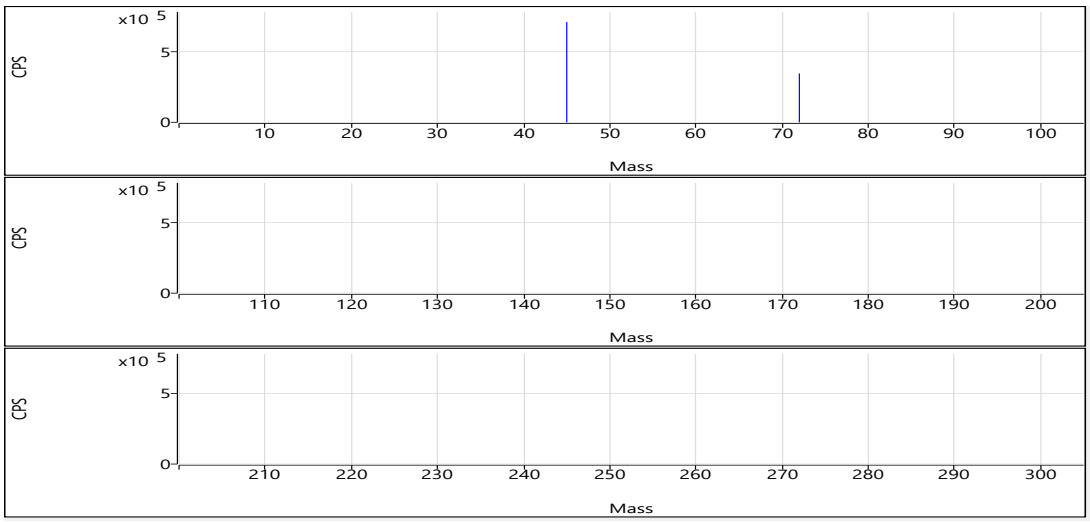
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.035	ppb	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.187	ppb	2.9	48.22	0.0001	Pulse	1.5000	3
Na	23	45	He	16815.708	ppb	1.6	3982568.28	66.1261	Pulse	0.1000	3
Mg	24	45	He	12836.080	ppb	1.8	1539816.96	25.5649	Pulse	0.1000	3
Al	27	45	He	44.203	ppb	2.6	2023.55	0.0336	Pulse	0.1000	3
K	39	45	He	1896.057	ppb	2.1	243274.34	4.0395	Pulse	0.1000	3
Ca	44	45	He	50942.909	ppb	1.2	303138.18	5.0331	Pulse	0.1000	3
Ti	47	45	He	0.880	ppb	48.2	40.00	0.0007	Pulse	0.1000	3
V	51	45	He	0.104	ppb	38.2	1176.05	0.0195	Pulse	0.5000	3
Cr	52	72	He	0.104	ppb	98.9	2126.89	0.0244	Pulse	0.1000	3
Mn	55	45	He	11.453	ppb	3.3	11027.87	0.1831	Pulse	0.1000	3
Fe	57	45	He	87.189	ppb	3.9	3553.89	0.0590	Pulse	0.1000	3
Co	59	72	He	0.132	ppb	13.6	590.03	0.0068	Pulse	0.1000	3
Ni	60	115	He	0.701	ppb	13.0	1870.20	0.0229	Pulse	0.1000	3
Cu	63	115	He	1.301	ppb	1.8	3683.92	0.0450	Pulse	0.1000	3
Zn	66	72	He	3.347	ppb	5.9	1030.08	0.0118	Pulse	0.1000	3
As	75	72	He	0.879	ppb	10.3	249.33	0.0029	Pulse	0.5000	3
Sr	88	72	He	162.598	ppb	0.6	187920.49	2.1555	Pulse	0.1000	3
Mo	98	72	He	0.176	ppb	22.4	366.68	0.0042	Pulse	0.1000	3
Ag	107	115	He	0.006	ppb	148.6	60.00	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	50.4	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.652	ppb	N/A	3623.95	0.0443	Pulse	0.1000	3
Sb	121	115	He	0.109	ppb	31.9	176.68	0.0022	Pulse	0.1000	3
Ba	137	115	He	500.711	ppb	0.5	255221.59	3.1194	Pulse	0.1000	3
Tl	205	209	He	0.013	ppb	34.2	153.34	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.032	ppb	22.6	563.36	0.0039	Pulse	0.1000	3
U	238	209	He	0.168	ppb	14.0	1410.13	0.0097	Pulse	0.1000	3

ISTD Table:

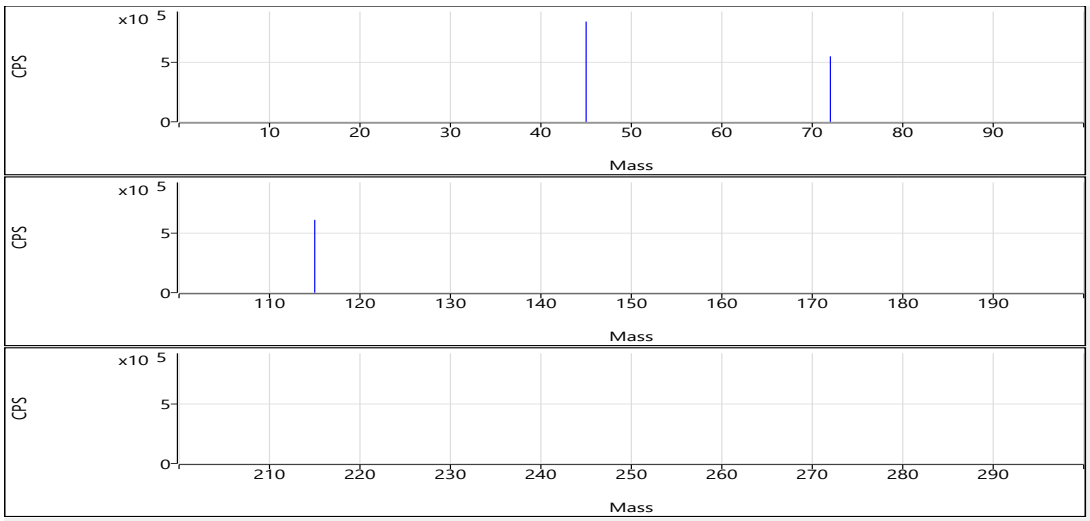
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	706113.71	0.7	103.3	Pulse	0.1000	3
No Gas	Ge	72	344046.03	0.8	95.1	Pulse	0.1000	3
H2	Sc	45	840424.21	0.3	108.6	Pulse	0.1000	3
H2	Ge	72	549134.01	0.3	100.9	Pulse	0.1000	3
H2	In	115	610987.35	0.8	110.8	Pulse	0.1000	3
He	Sc	45	60234.61	1.7	107.9	Pulse	0.1000	3
He	Ge	72	87183.71	1.0	97.6	Pulse	0.1000	3
He	In	115	81818.26	1.1	107.7	Pulse	0.1000	3
He	Tb	159	238585.10	0.9	108.6	Pulse	0.1000	3
He	Bi	209	146174.13	1.4	106.1	Pulse	0.1000	3

No Gas

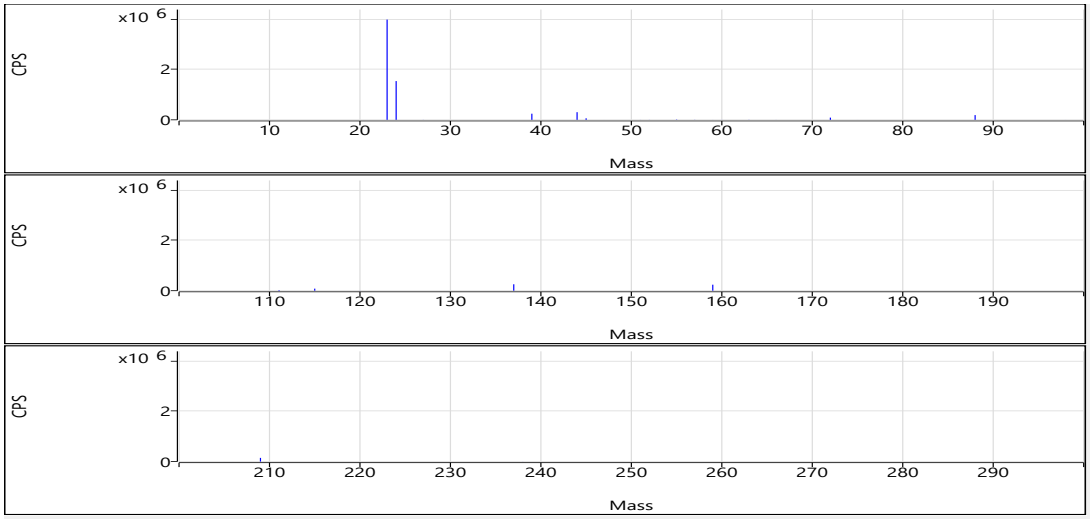


H2



Quantitation Report

He



Quantitation Report

Data File Name	151SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:02:32
Sample Name	410-235127-Q-3-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

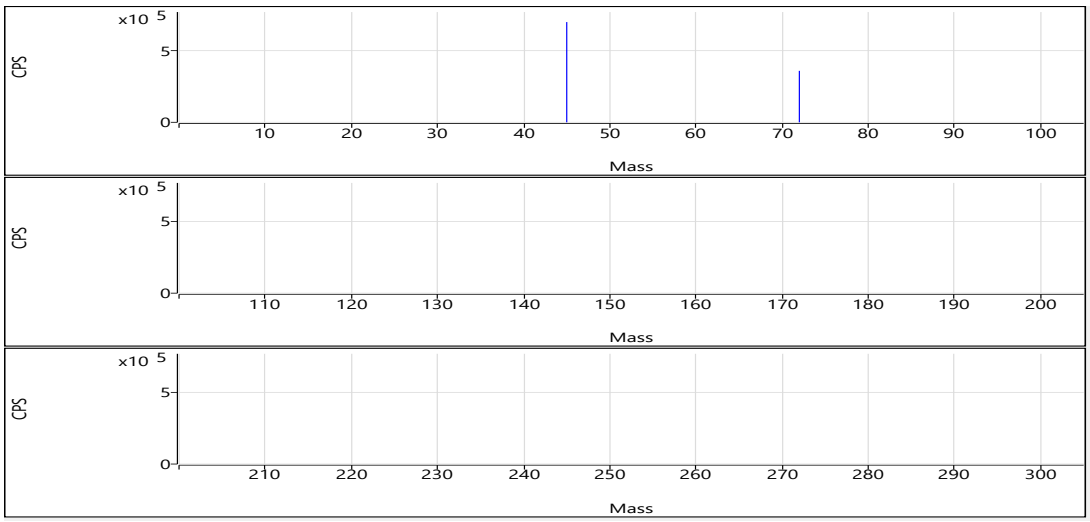
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.035	ppb	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.704	ppb	8.0	167.33	0.0003	Pulse	1.5000	3
Na	23	45	He	72879.021	ppb	2.4	16569786.00	285.6995	Analog	0.1000	3
Mg	24	45	He	24844.996	ppb	2.1	2869441.62	49.4723	Pulse	0.1000	3
Al	27	45	He	14.287	ppb	1.2	733.38	0.0126	Pulse	0.1000	3
K	39	45	He	1839.473	ppb	1.9	228200.70	3.9342	Pulse	0.1000	3
Ca	44	45	He	71388.242	ppb	1.9	409031.75	7.0512	Pulse	0.1000	3
Ti	47	45	He	1.508	ppb	52.6	63.33	0.0011	Pulse	0.1000	3
V	51	45	He	0.984	ppb	8.9	2470.89	0.0426	Pulse	0.5000	3
Cr	52	72	He	0.355	ppb	26.3	2663.67	0.0294	Pulse	0.1000	3
Mn	55	45	He	1.317	ppb	4.0	1453.46	0.0251	Pulse	0.1000	3
Fe	57	45	He	27.815	ppb	11.3	1260.10	0.0217	Pulse	0.1000	3
Co	59	72	He	0.616	ppb	8.3	2176.90	0.0241	Pulse	0.1000	3
Ni	60	115	He	3.322	ppb	4.2	4220.76	0.0533	Pulse	0.1000	3
Cu	63	115	He	0.608	ppb	8.8	1803.52	0.0228	Pulse	0.1000	3
Zn	66	72	He	100.309	ppb	3.5	29404.05	0.3249	Pulse	0.1000	3
As	75	72	He	3.000	ppb	5.4	740.02	0.0082	Pulse	0.5000	3
Sr	88	72	He	322.436	ppb	2.8	386523.80	4.2712	Pulse	0.1000	3
Mo	98	72	He	0.197	ppb	2.0	420.02	0.0046	Pulse	0.1000	3
Ag	107	115	He	0.012	ppb	45.6	80.00	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.007	ppb	93.0	5.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.221	ppb	259.4	4820.55	0.0610	Pulse	0.1000	3
Sb	121	115	He	0.061	ppb	46.6	106.67	0.0013	Pulse	0.1000	3
Ba	137	115	He	202.463	ppb	1.1	99888.04	1.2621	Pulse	0.1000	3
Tl	205	209	He	0.015	ppb	42.1	153.34	0.0011	Pulse	0.1000	3
Pb	208	209	He	0.056	ppb	34.5	710.04	0.0052	Pulse	0.1000	3
U	238	209	He	2.184	ppb	0.6	15843.67	0.1152	Pulse	0.1000	3

ISTD Table:

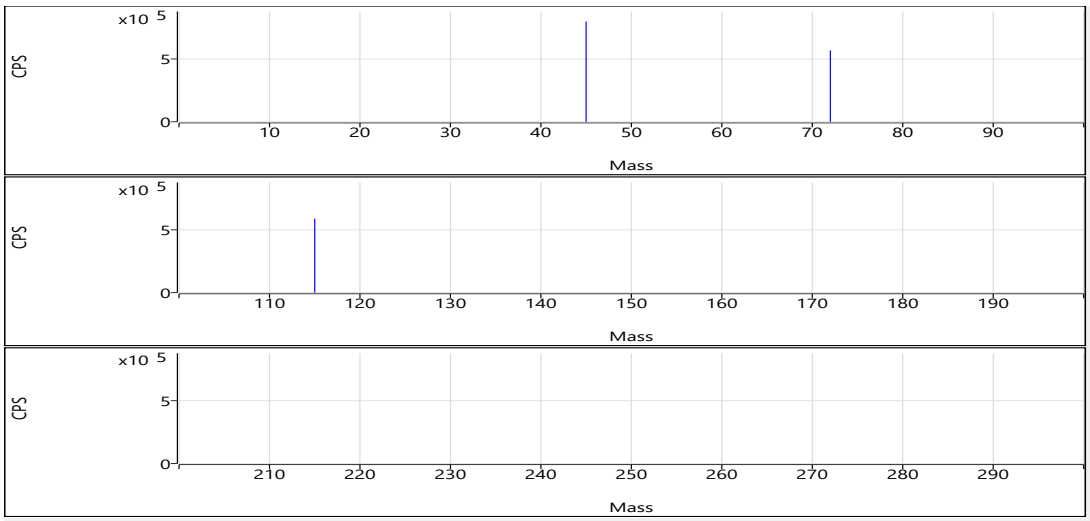
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	704292.52	0.7	103.0	Pulse	0.1000	3
No Gas	Ge	72	361619.67	0.5	100.0	Pulse	0.1000	3
H2	Sc	45	801432.72	1.1	103.6	Pulse	0.1000	3
H2	Ge	72	570986.51	0.8	105.0	Pulse	0.1000	3
H2	In	115	592330.93	0.2	107.4	Pulse	0.1000	3
He	Sc	45	58015.55	2.1	103.9	Pulse	0.1000	3
He	Ge	72	90524.62	1.7	101.4	Pulse	0.1000	3
He	In	115	79157.23	2.0	104.2	Pulse	0.1000	3
He	Tb	159	226904.76	0.5	103.2	Pulse	0.1000	3
He	Bi	209	137510.02	1.5	99.8	Pulse	0.1000	3

No Gas

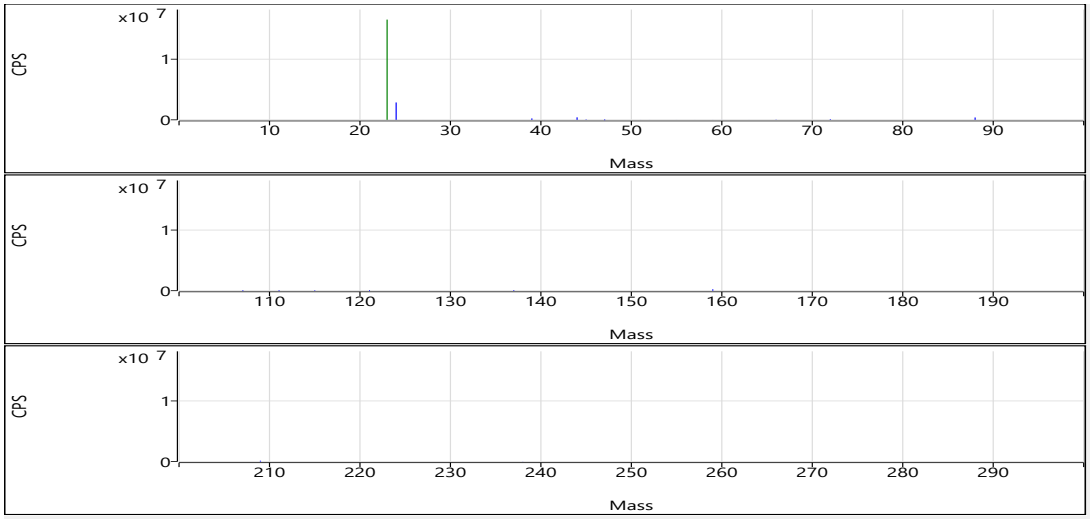


H2



Quantitation Report

He



Quantitation Report

Data File Name	152SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:04:37
Sample Name	410-235127-Q-2-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

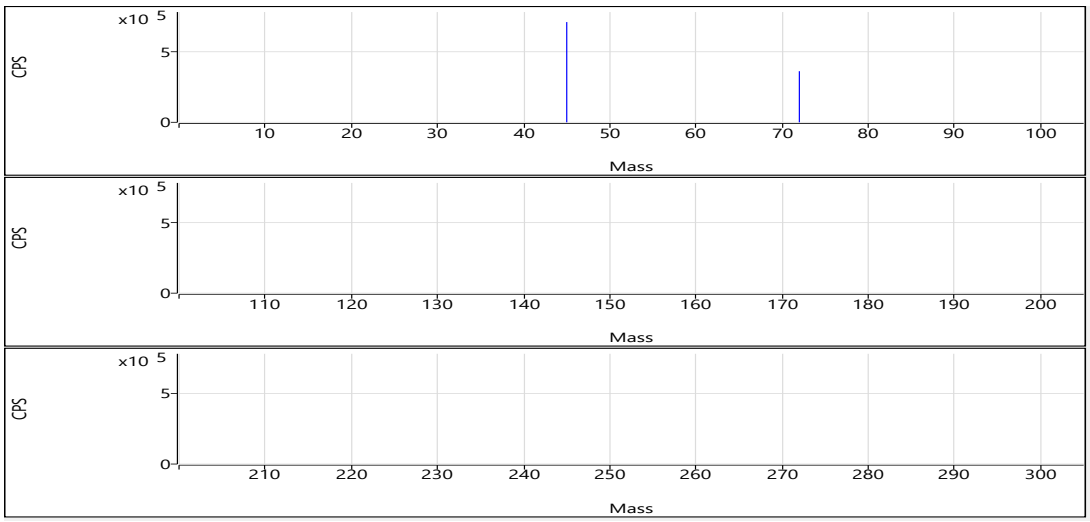
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ppb	426.6	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.749	ppb	7.5	178.67	0.0003	Pulse	1.5000	3
Na	23	45	He	71794.539	ppb	2.1	16981556.42	281.4521	Analog	0.1000	3
Mg	24	45	He	24396.144	ppb	1.4	2931385.89	48.5787	Pulse	0.1000	3
Al	27	45	He	19.972	ppb	9.6	1003.40	0.0166	Pulse	0.1000	3
K	39	45	He	1811.426	ppb	1.7	234243.02	3.8820	Pulse	0.1000	3
Ca	44	45	He	70256.662	ppb	2.0	418705.27	6.9395	Pulse	0.1000	3
Ti	47	45	He	0.481	ppb	105.7	23.33	0.0004	Pulse	0.1000	3
V	51	45	He	0.002	ppb	2432.1	1016.71	0.0169	Pulse	0.5000	3
Cr	52	72	He	-0.114	ppb	N/A	1873.52	0.0201	Pulse	0.1000	3
Mn	55	45	He	1.136	ppb	7.2	1343.45	0.0222	Pulse	0.1000	3
Fe	57	45	He	10.568	ppb	10.2	660.04	0.0109	Pulse	0.1000	3
Co	59	72	He	0.582	ppb	5.4	2136.90	0.0228	Pulse	0.1000	3
Ni	60	115	He	3.076	ppb	6.5	4097.43	0.0505	Pulse	0.1000	3
Cu	63	115	He	0.150	ppb	10.2	653.37	0.0081	Pulse	0.1000	3
Zn	66	72	He	97.438	ppb	1.2	29517.52	0.3156	Pulse	0.1000	3
As	75	72	He	2.897	ppb	8.2	740.69	0.0079	Pulse	0.5000	3
Sr	88	72	He	320.953	ppb	1.5	397479.73	4.2516	Pulse	0.1000	3
Mo	98	72	He	0.037	ppb	39.0	126.67	0.0014	Pulse	0.1000	3
Ag	107	115	He	0.003	ppb	48.7	46.67	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.018	ppb	70.9	10.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.544	ppb	N/A	3760.66	0.0464	Pulse	0.1000	3
Sb	121	115	He	0.068	ppb	63.5	120.01	0.0015	Pulse	0.1000	3
Ba	137	115	He	204.664	ppb	0.5	103519.98	1.2758	Pulse	0.1000	3
Tl	205	209	He	0.009	ppb	29.4	126.67	0.0009	Pulse	0.1000	3
Pb	208	209	He	-0.008	ppb	N/A	243.34	0.0017	Pulse	0.1000	3
U	238	209	He	1.668	ppb	2.2	12593.18	0.0882	Pulse	0.1000	3

ISTD Table:

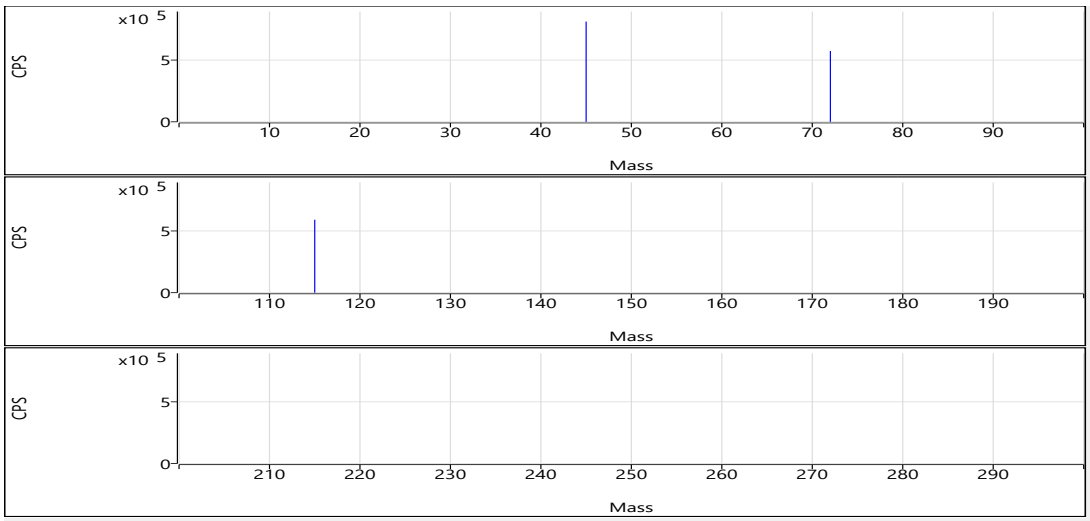
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	707082.65	0.3	103.4	Pulse	0.1000	3
No Gas	Ge	72	360453.72	0.7	99.7	Pulse	0.1000	3
H2	Sc	45	814390.79	0.5	105.3	Pulse	0.1000	3
H2	Ge	72	575475.37	0.7	105.8	Pulse	0.1000	3
H2	In	115	592796.26	0.9	107.5	Pulse	0.1000	3
He	Sc	45	60351.83	2.0	108.1	Pulse	0.1000	3
He	Ge	72	93509.69	2.2	104.7	Pulse	0.1000	3
He	In	115	81139.84	1.3	106.9	Pulse	0.1000	3
He	Tb	159	233740.43	0.6	106.3	Pulse	0.1000	3
He	Bi	209	142789.58	1.2	103.6	Pulse	0.1000	3

No Gas

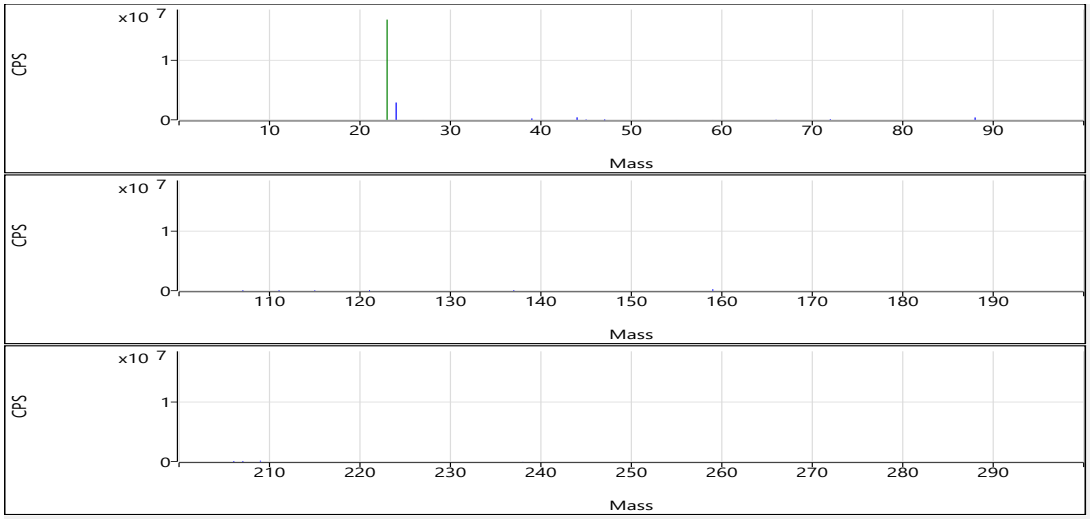


H2



Quantitation Report

He



Quantitation Report

Data File Name	153SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:06:42
Sample Name	410-235127-Q-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

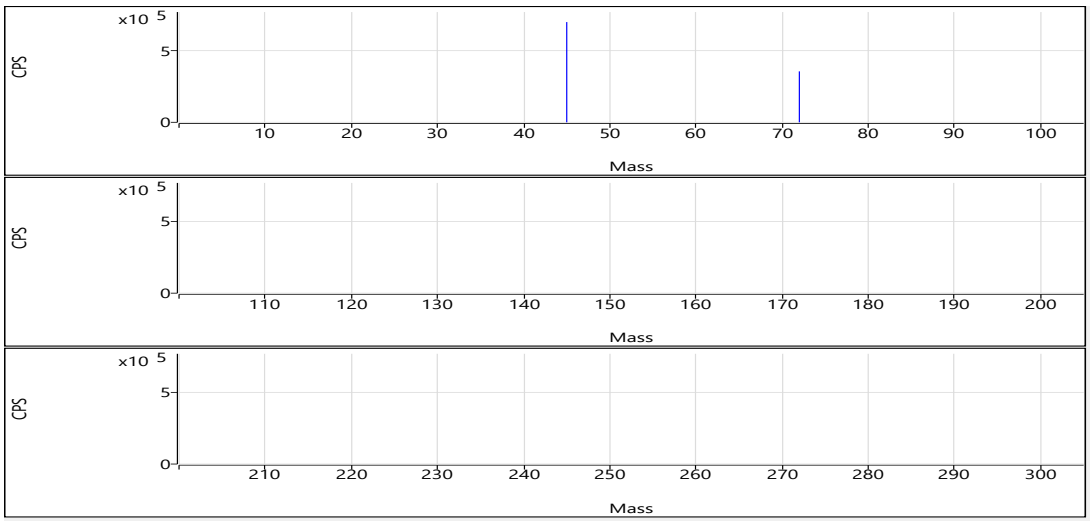
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.085	ppb	29.2	42.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.864	ppb	4.7	206.89	0.0004	Pulse	1.5000	3
Na	23	45	He	72841.861	ppb	1.9	17010417.25	285.5540	Analog	0.1000	3
Mg	24	45	He	24609.961	ppb	1.6	2919334.33	49.0044	Pulse	0.1000	3
Al	27	45	He	16.605	ppb	3.2	850.06	0.0143	Pulse	0.1000	3
K	39	45	He	1829.965	ppb	2.8	233285.95	3.9165	Pulse	0.1000	3
Ca	44	45	He	70704.829	ppb	0.7	416113.92	6.9838	Pulse	0.1000	3
Ti	47	45	He	1.063	ppb	90.0	46.67	0.0008	Pulse	0.1000	3
V	51	45	He	0.019	ppb	220.7	1030.04	0.0173	Pulse	0.5000	3
Cr	52	72	He	-0.098	ppb	N/A	1890.19	0.0204	Pulse	0.1000	3
Mn	55	45	He	1.029	ppb	20.6	1223.43	0.0206	Pulse	0.1000	3
Fe	57	45	He	9.308	ppb	18.5	603.37	0.0101	Pulse	0.1000	3
Co	59	72	He	0.546	ppb	4.3	2003.53	0.0216	Pulse	0.1000	3
Ni	60	115	He	3.298	ppb	1.0	4247.43	0.0531	Pulse	0.1000	3
Cu	63	115	He	0.120	ppb	22.9	570.03	0.0071	Pulse	0.1000	3
Zn	66	72	He	94.265	ppb	1.7	28365.34	0.3054	Pulse	0.1000	3
As	75	72	He	2.852	ppb	6.7	725.36	0.0078	Pulse	0.5000	3
Sr	88	72	He	325.548	ppb	1.2	400491.35	4.3124	Pulse	0.1000	3
Mo	98	72	He	0.053	ppb	29.5	156.68	0.0017	Pulse	0.1000	3
Ag	107	115	He	0.008	ppb	146.4	63.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.014	ppb	100.5	8.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.619	ppb	N/A	3593.94	0.0449	Pulse	0.1000	3
Sb	121	115	He	0.092	ppb	17.5	150.01	0.0019	Pulse	0.1000	3
Ba	137	115	He	209.142	ppb	0.3	104374.06	1.3036	Pulse	0.1000	3
Tl	205	209	He	0.053	ppb	8.7	376.69	0.0027	Pulse	0.1000	3
Pb	208	209	He	-0.005	ppb	N/A	263.34	0.0019	Pulse	0.1000	3
U	238	209	He	0.941	ppb	2.6	7105.55	0.0502	Pulse	0.1000	3

ISTD Table:

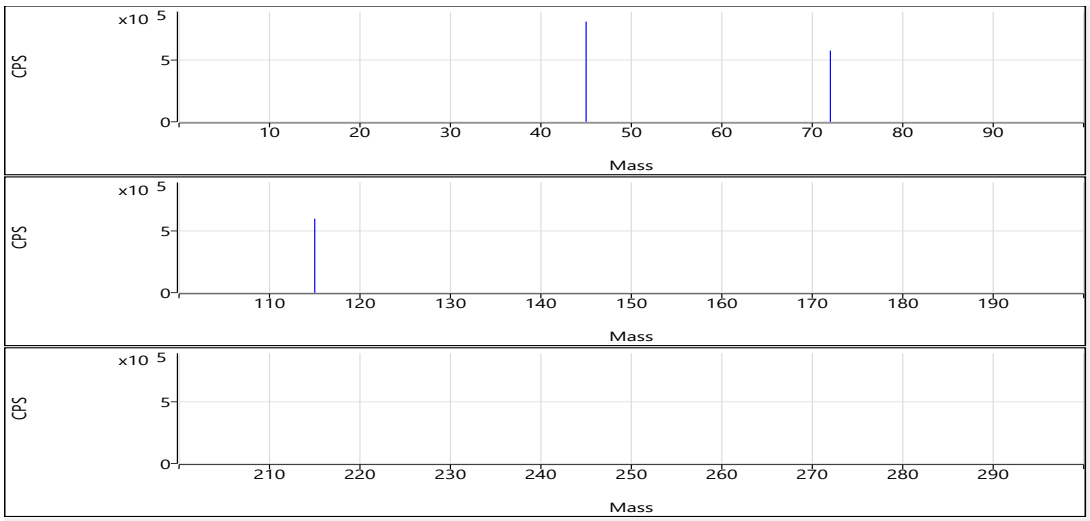
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	702971.29	0.3	102.8	Pulse	0.1000	3
No Gas	Ge	72	357238.03	0.4	98.8	Pulse	0.1000	3
H2	Sc	45	816873.35	0.1	105.6	Pulse	0.1000	3
H2	Ge	72	580811.95	0.2	106.8	Pulse	0.1000	3
H2	In	115	603244.48	0.6	109.4	Pulse	0.1000	3
He	Sc	45	59588.80	2.6	106.8	Pulse	0.1000	3
He	Ge	72	92881.58	1.9	104.0	Pulse	0.1000	3
He	In	115	80065.27	2.2	105.4	Pulse	0.1000	3
He	Tb	159	234439.67	1.8	106.7	Pulse	0.1000	3
He	Bi	209	141666.17	1.1	102.8	Pulse	0.1000	3

No Gas

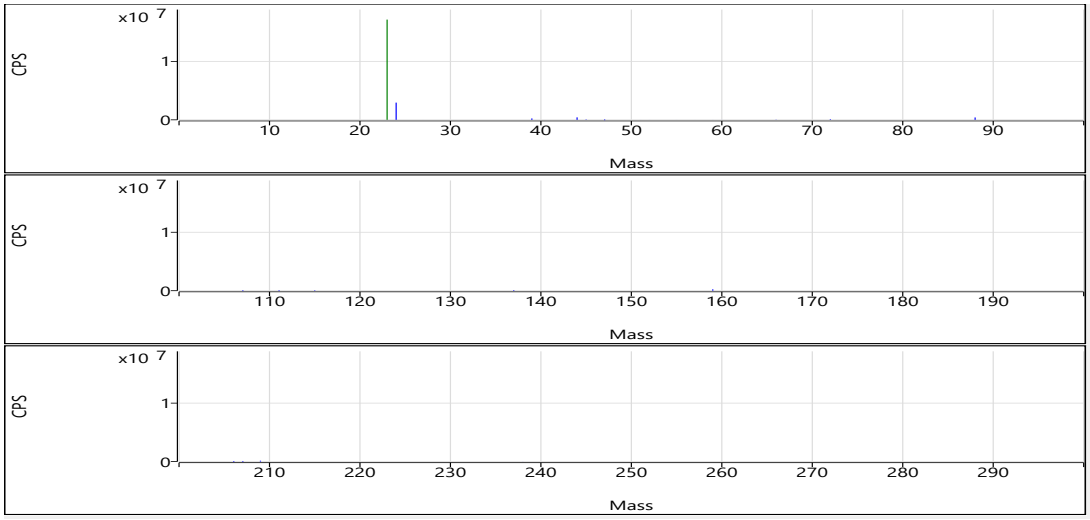


H2



Quantitation Report

He



Quantitation Report

Data File Name	154SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:08:47
Sample Name	410-235127-N-4-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

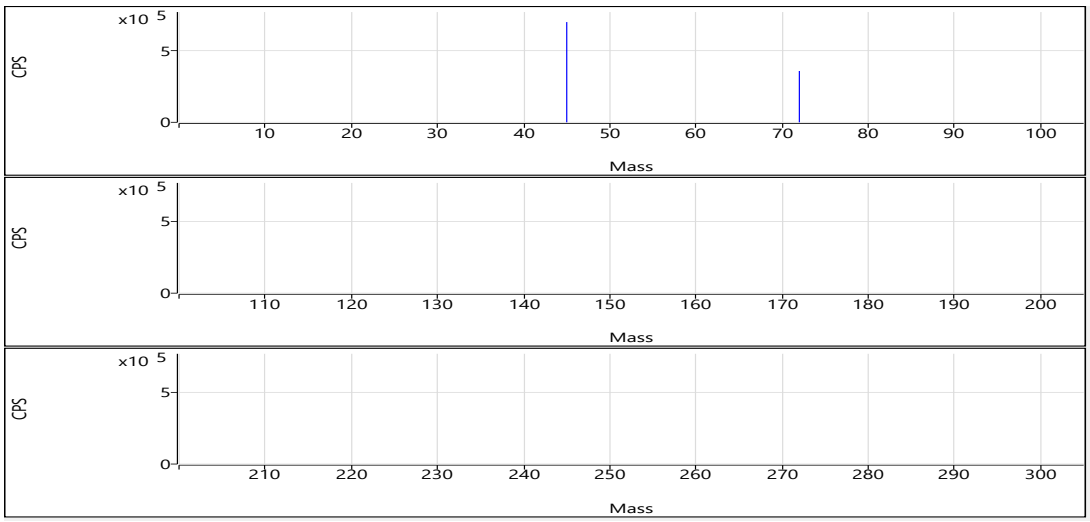
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.060	ppb	N/A	11.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.727	ppb	12.2	174.00	0.0003	Pulse	1.5000	3
Na	23	45	He	72262.959	ppb	1.1	16722932.25	283.2867	Analog	0.1000	3
Mg	24	45	He	24654.897	ppb	0.7	2897989.02	49.0938	Pulse	0.1000	3
Al	27	45	He	9.738	ppb	37.6	556.70	0.0095	Pulse	0.1000	3
K	39	45	He	1837.343	ppb	1.0	231969.29	3.9302	Pulse	0.1000	3
Ca	44	45	He	70735.228	ppb	1.4	412437.34	6.9868	Pulse	0.1000	3
Ti	47	45	He	1.225	ppb	41.8	53.33	0.0009	Pulse	0.1000	3
V	51	45	He	1.094	ppb	4.7	2684.93	0.0455	Pulse	0.5000	3
Cr	52	72	He	0.523	ppb	21.8	3030.41	0.0328	Pulse	0.1000	3
Mn	55	45	He	1.365	ppb	6.0	1523.46	0.0258	Pulse	0.1000	3
Fe	57	45	He	32.394	ppb	4.0	1453.45	0.0246	Pulse	0.1000	3
Co	59	72	He	0.635	ppb	7.8	2286.94	0.0247	Pulse	0.1000	3
Ni	60	115	He	3.354	ppb	5.4	4397.50	0.0537	Pulse	0.1000	3
Cu	63	115	He	0.500	ppb	12.6	1580.14	0.0193	Pulse	0.1000	3
Zn	66	72	He	99.997	ppb	1.4	29968.60	0.3239	Pulse	0.1000	3
As	75	72	He	3.050	ppb	3.7	768.03	0.0083	Pulse	0.5000	3
Sr	88	72	He	322.510	ppb	2.7	395190.92	4.2722	Pulse	0.1000	3
Mo	98	72	He	0.209	ppb	18.7	453.36	0.0049	Pulse	0.1000	3
Ag	107	115	He	-0.002	ppb	N/A	26.67	0.0003	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	156.9	8.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.607	ppb	N/A	3693.96	0.0451	Pulse	0.1000	3
Sb	121	115	He	0.049	ppb	44.3	93.33	0.0011	Pulse	0.1000	3
Ba	137	115	He	198.565	ppb	0.6	101301.36	1.2378	Pulse	0.1000	3
Tl	205	209	He	0.032	ppb	11.6	260.01	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.063	ppb	13.5	796.71	0.0055	Pulse	0.1000	3
U	238	209	He	2.084	ppb	2.2	15810.19	0.1100	Pulse	0.1000	3

ISTD Table:

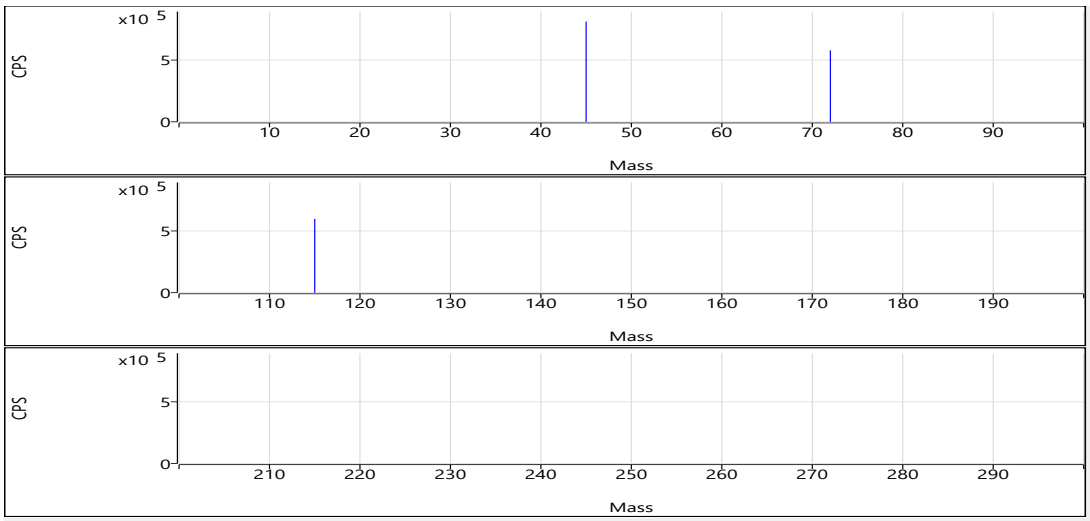
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	700291.55	0.8	102.4	Pulse	0.1000	3
No Gas	Ge	72	358405.67	0.6	99.1	Pulse	0.1000	3
H2	Sc	45	808926.19	1.1	104.6	Pulse	0.1000	3
H2	Ge	72	576386.75	0.9	106.0	Pulse	0.1000	3
H2	In	115	595558.33	1.4	108.0	Pulse	0.1000	3
He	Sc	45	59026.08	1.3	105.7	Pulse	0.1000	3
He	Ge	72	92536.63	2.8	103.6	Pulse	0.1000	3
He	In	115	81847.27	2.0	107.8	Pulse	0.1000	3
He	Tb	159	236276.01	2.6	107.5	Pulse	0.1000	3
He	Bi	209	143728.33	1.8	104.3	Pulse	0.1000	3

No Gas

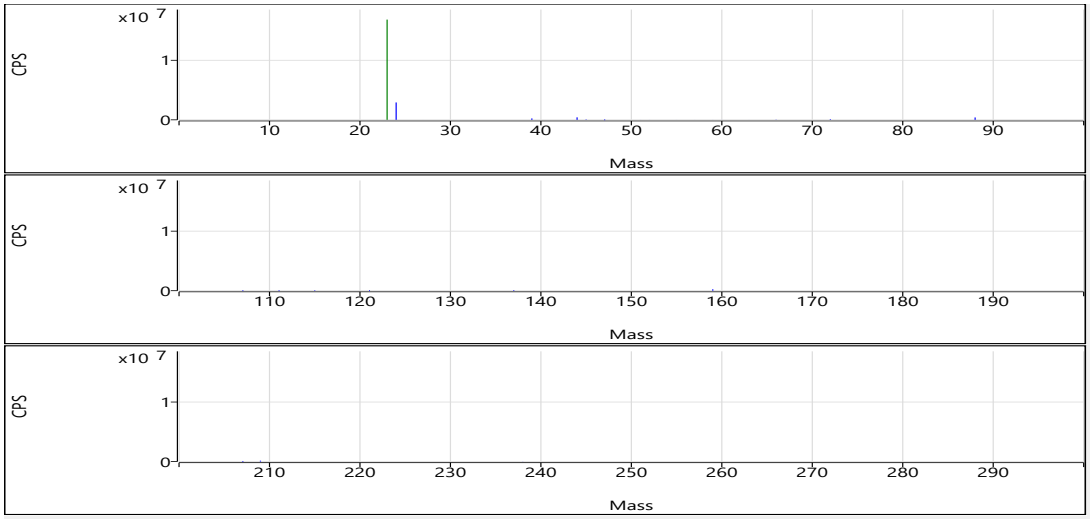


H2



Quantitation Report

He



Quantitation Report

Data File Name	155SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:10:53
Sample Name	410-235127-Q-5-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

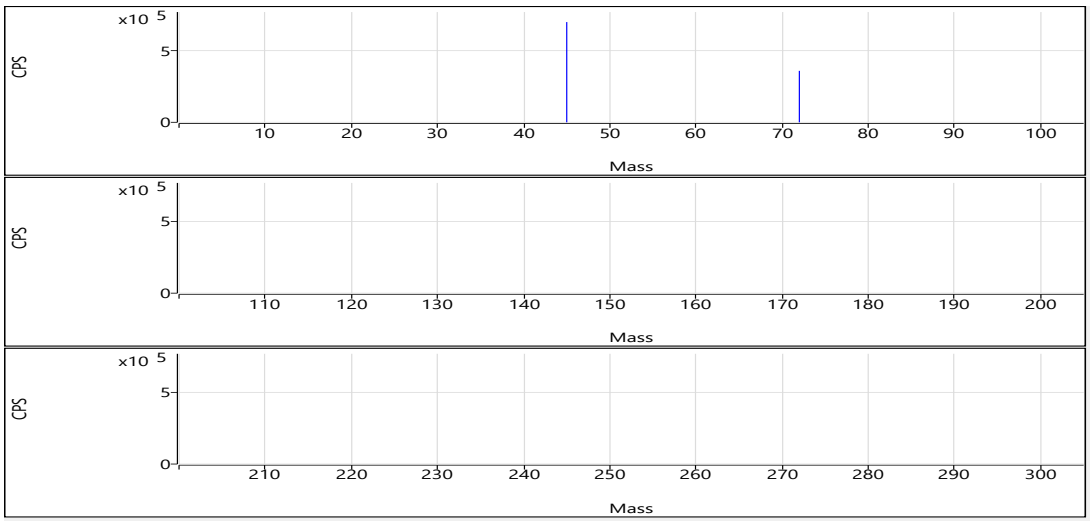
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.057	ppb	N/A	12.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.755	ppb	5.0	177.33	0.0003	Pulse	1.5000	3
Na	23	45	He	71093.750	ppb	1.8	16903193.50	278.7074	Analog	0.1000	3
Mg	24	45	He	24491.243	ppb	2.0	2957664.96	48.7680	Pulse	0.1000	3
Al	27	45	He	10.530	ppb	12.1	606.70	0.0100	Pulse	0.1000	3
K	39	45	He	1807.656	ppb	3.2	234985.90	3.8750	Pulse	0.1000	3
Ca	44	45	He	70455.077	ppb	0.8	422121.77	6.9591	Pulse	0.1000	3
Ti	47	45	He	0.796	ppb	70.3	36.67	0.0006	Pulse	0.1000	3
V	51	45	He	1.042	ppb	4.4	2676.93	0.0441	Pulse	0.5000	3
Cr	52	72	He	0.360	ppb	15.3	2823.70	0.0295	Pulse	0.1000	3
Mn	55	45	He	1.056	ppb	5.8	1273.43	0.0210	Pulse	0.1000	3
Fe	57	45	He	30.433	ppb	9.1	1420.12	0.0234	Pulse	0.1000	3
Co	59	72	He	0.619	ppb	7.6	2313.60	0.0242	Pulse	0.1000	3
Ni	60	115	He	2.900	ppb	7.7	4007.37	0.0484	Pulse	0.1000	3
Cu	63	115	He	0.426	ppb	5.7	1400.12	0.0169	Pulse	0.1000	3
Zn	66	72	He	99.317	ppb	0.5	30766.85	0.3217	Pulse	0.1000	3
As	75	72	He	3.026	ppb	2.3	788.70	0.0082	Pulse	0.5000	3
Sr	88	72	He	319.392	ppb	1.5	404640.23	4.2309	Pulse	0.1000	3
Mo	98	72	He	0.178	ppb	16.6	406.69	0.0043	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	79.2	63.33	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.011	ppb	83.0	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.326	ppb	N/A	4180.76	0.0505	Pulse	0.1000	3
Sb	121	115	He	0.039	ppb	78.8	80.00	0.0010	Pulse	0.1000	3
Ba	137	115	He	200.720	ppb	2.1	103547.42	1.2512	Pulse	0.1000	3
Tl	205	209	He	0.022	ppb	35.4	203.34	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.061	ppb	9.4	793.37	0.0054	Pulse	0.1000	3
U	238	209	He	2.199	ppb	1.5	16958.36	0.1160	Pulse	0.1000	3

ISTD Table:

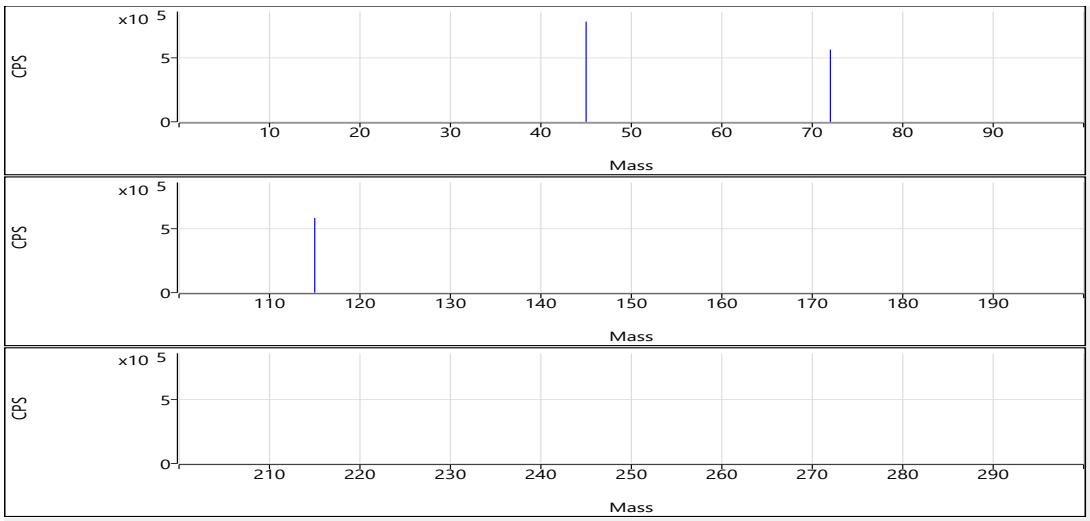
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	704039.44	0.6	103.0	Pulse	0.1000	3
No Gas	Ge	72	361442.73	0.5	99.9	Pulse	0.1000	3
H2	Sc	45	786211.32	2.2	101.6	Pulse	0.1000	3
H2	Ge	72	566445.94	0.9	104.1	Pulse	0.1000	3
H2	In	115	585833.78	0.2	106.2	Pulse	0.1000	3
He	Sc	45	60663.00	2.0	108.7	Pulse	0.1000	3
He	Ge	72	95643.58	0.5	107.1	Pulse	0.1000	3
He	In	115	82769.59	1.3	109.0	Pulse	0.1000	3
He	Tb	159	238301.05	0.5	108.4	Pulse	0.1000	3
He	Bi	209	146160.78	0.7	106.1	Pulse	0.1000	3

No Gas

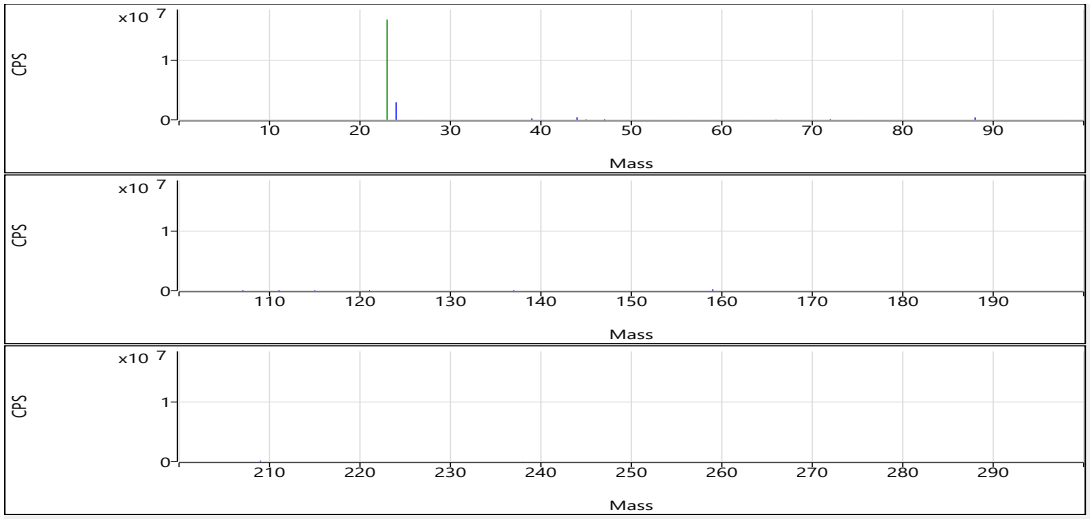


H2



Quantitation Report

He



Quantitation Report

Data File Name	157_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:15:05
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

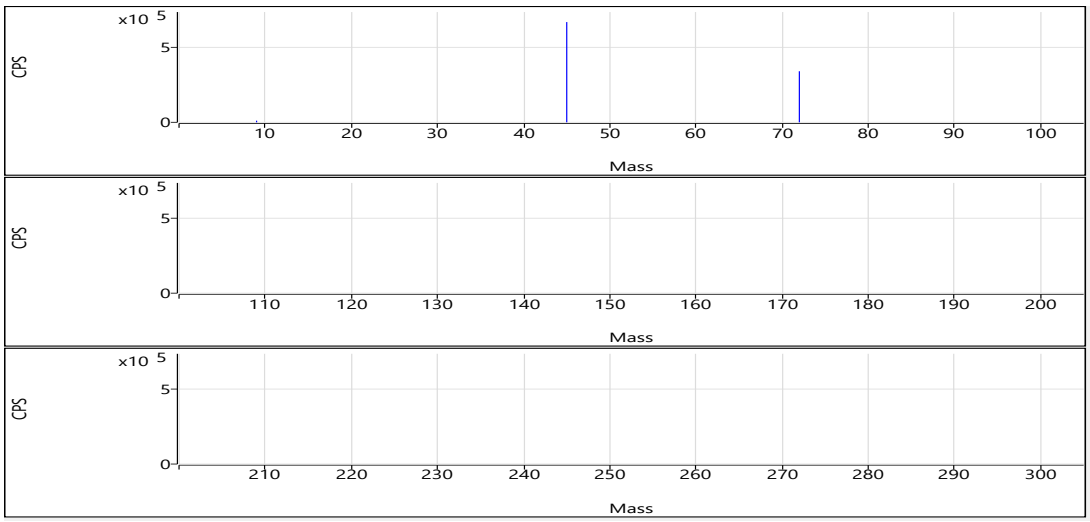
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	53.744	ppb	1.1	10829.27	0.0161	Pulse	0.5000	3
Se	78	72	H2	52.107	ppb	0.4	11125.62	0.0207	Pulse	1.5000	3
Na	23	45	He	5056.810	ppb	1.4	1166175.66	20.0721	Pulse	0.1000	3
Mg	24	45	He	5039.369	ppb	1.0	583549.43	10.0432	Pulse	0.1000	3
Al	27	45	He	5057.110	ppb	1.4	206038.97	3.5462	Pulse	0.1000	3
K	39	45	He	5115.211	ppb	1.6	582706.31	10.0294	Pulse	0.1000	3
Ca	44	45	He	5167.530	ppb	3.7	29881.14	0.5146	Pulse	0.1000	3
Ti	47	45	He	4993.209	ppb	1.4	199749.58	3.4381	Pulse	0.1000	3
V	51	45	He	505.420	ppb	1.3	770747.56	13.2659	Pulse	0.5000	3
Cr	52	72	He	520.893	ppb	1.1	942276.81	10.4308	Pulse	0.1000	3
Mn	55	45	He	506.946	ppb	1.6	459421.45	7.9079	Pulse	0.1000	3
Fe	57	45	He	5005.296	ppb	1.5	182618.39	3.1433	Pulse	0.1000	3
Co	59	72	He	522.041	ppb	1.1	1685655.60	18.6597	Pulse	0.1000	3
Ni	60	115	He	499.647	ppb	0.8	461488.36	5.8259	Pulse	0.1000	3
Cu	63	115	He	501.041	ppb	0.4	1275161.41	16.0982	Pulse	0.1000	3
Zn	66	72	He	525.313	ppb	0.6	153343.03	1.6971	Pulse	0.1000	3
As	75	72	He	525.614	ppb	0.9	119138.45	1.3188	Pulse	0.5000	3
Sr	88	72	He	51.745	ppb	0.9	62183.08	0.6882	Pulse	0.1000	3
Mo	98	72	He	52.146	ppb	2.2	96790.88	1.0717	Pulse	0.1000	3
Ag	107	115	He	50.335	ppb	1.1	184843.67	2.3334	Pulse	0.1000	3
Cd	111	115	He	50.446	ppb	1.2	23344.04	0.2947	Pulse	0.5000	3
Sn	120	115	He	49.986	ppb	1.7	80301.58	1.0138	Pulse	0.1000	3
Sb	121	115	He	51.315	ppb	0.8	69306.21	0.8751	Pulse	0.1000	3
Ba	137	115	He	507.880	ppb	1.5	250627.22	3.1640	Pulse	0.1000	3
Tl	205	209	He	51.347	ppb	0.9	296370.48	2.0833	Pulse	0.1000	3
Pb	208	209	He	50.736	ppb	0.9	390058.77	2.7419	Pulse	0.1000	3
U	238	209	He	50.626	ppb	0.7	377362.17	2.6523	Pulse	0.1000	3

ISTD Table:

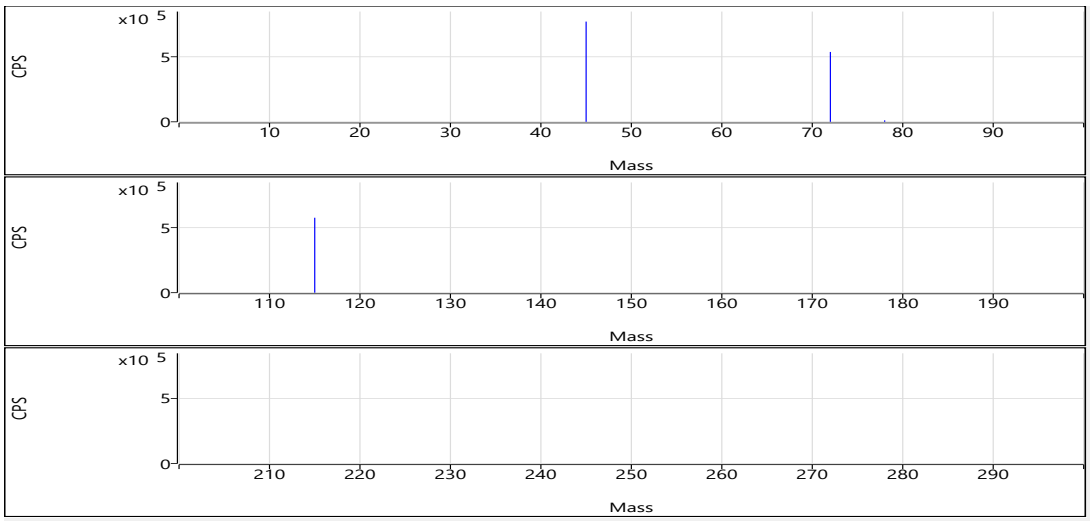
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	671240.56	1.3	98.2	Pulse	0.1000	3
No Gas	Ge	72	341863.64	1.4	94.5	Pulse	0.1000	3
H2	Sc	45	772594.23	2.0	99.9	Pulse	0.1000	3
H2	Ge	72	538571.50	1.3	99.0	Pulse	0.1000	3
H2	In	115	577779.82	0.4	104.8	Pulse	0.1000	3
He	Sc	45	58115.80	3.2	104.1	Pulse	0.1000	3
He	Ge	72	90356.49	3.0	101.2	Pulse	0.1000	3
He	In	115	79208.39	1.6	104.3	Pulse	0.1000	3
He	Tb	159	233133.33	2.7	106.1	Pulse	0.1000	3
He	Bi	209	142273.75	2.5	103.3	Pulse	0.1000	3

No Gas

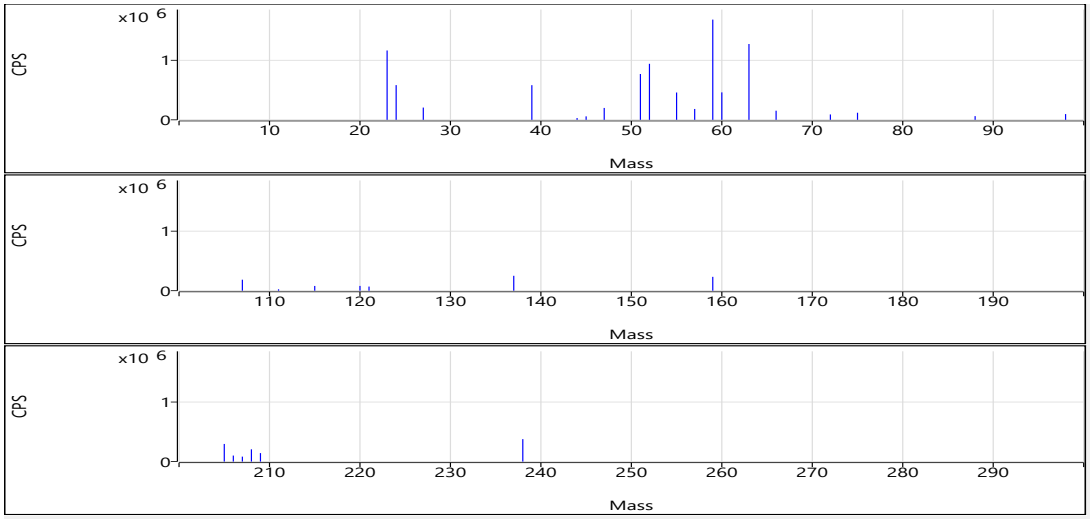


H2



Quantitation Report

He



Quantitation Report

Data File Name	159_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:19:18
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

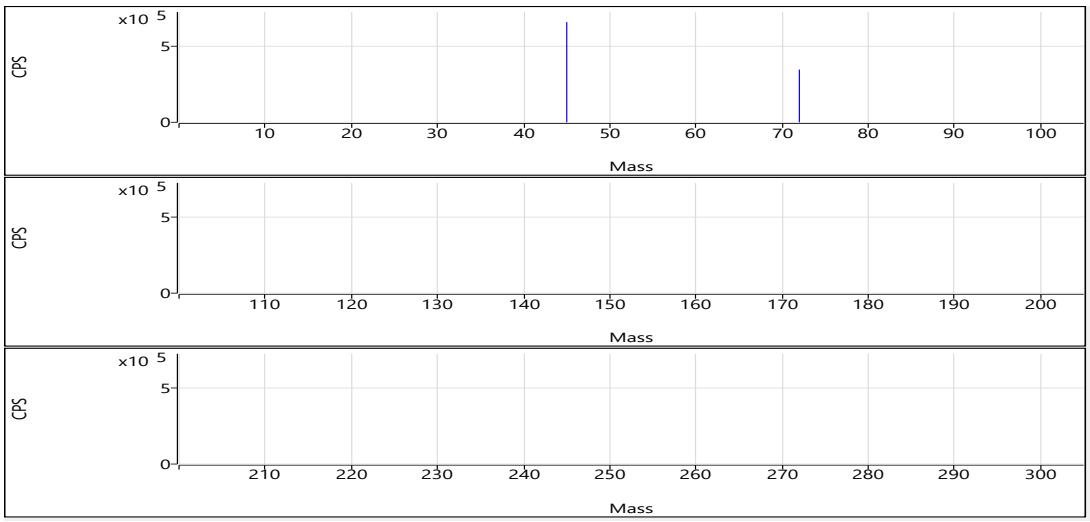
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.037	ppb	N/A	15.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.107	ppb	23.3	30.89	0.0001	Pulse	1.5000	3
Na	23	45	He	60.236	ppb	7.3	28965.59	0.5029	Pulse	0.1000	3
Mg	24	45	He	27.441	ppb	11.3	3770.61	0.0654	Pulse	0.1000	3
Al	27	45	He	4.672	ppb	8.7	340.02	0.0059	Pulse	0.1000	3
K	39	45	He	1.983	ppb	1213.9	29647.35	0.5152	Pulse	0.1000	3
Ca	44	45	He	56.837	ppb	40.2	580.03	0.0101	Pulse	0.1000	3
Ti	47	45	He	2.768	ppb	21.9	113.34	0.0020	Pulse	0.1000	3
V	51	45	He	0.207	ppb	1.7	1280.73	0.0222	Pulse	0.5000	3
Cr	52	72	He	0.052	ppb	178.6	2120.24	0.0234	Pulse	0.1000	3
Mn	55	45	He	0.393	ppb	27.2	613.37	0.0107	Pulse	0.1000	3
Fe	57	45	He	1.351	ppb	72.8	296.68	0.0051	Pulse	0.1000	3
Co	59	72	He	0.140	ppb	24.4	640.03	0.0070	Pulse	0.1000	3
Ni	60	115	He	0.135	ppb	93.2	1296.77	0.0163	Pulse	0.1000	3
Cu	63	115	He	0.159	ppb	26.1	666.71	0.0084	Pulse	0.1000	3
Zn	66	72	He	0.212	ppb	9.9	153.34	0.0017	Pulse	0.1000	3
As	75	72	He	0.398	ppb	28.9	150.00	0.0017	Pulse	0.5000	3
Sr	88	72	He	0.197	ppb	32.0	536.70	0.0059	Pulse	0.1000	3
Mo	98	72	He	0.077	ppb	22.3	196.68	0.0022	Pulse	0.1000	3
Ag	107	115	He	0.003	ppb	47.8	46.67	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	67.9	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.039	ppb	N/A	4460.89	0.0560	Pulse	0.1000	3
Sb	121	115	He	0.051	ppb	18.5	93.33	0.0012	Pulse	0.1000	3
Ba	137	115	He	0.273	ppb	18.7	233.34	0.0029	Pulse	0.1000	3
Tl	205	209	He	0.038	ppb	7.4	293.35	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.000	ppb	N/A	300.01	0.0021	Pulse	0.1000	3
U	238	209	He	0.023	ppb	35.9	290.01	0.0020	Pulse	0.1000	3

ISTD Table:

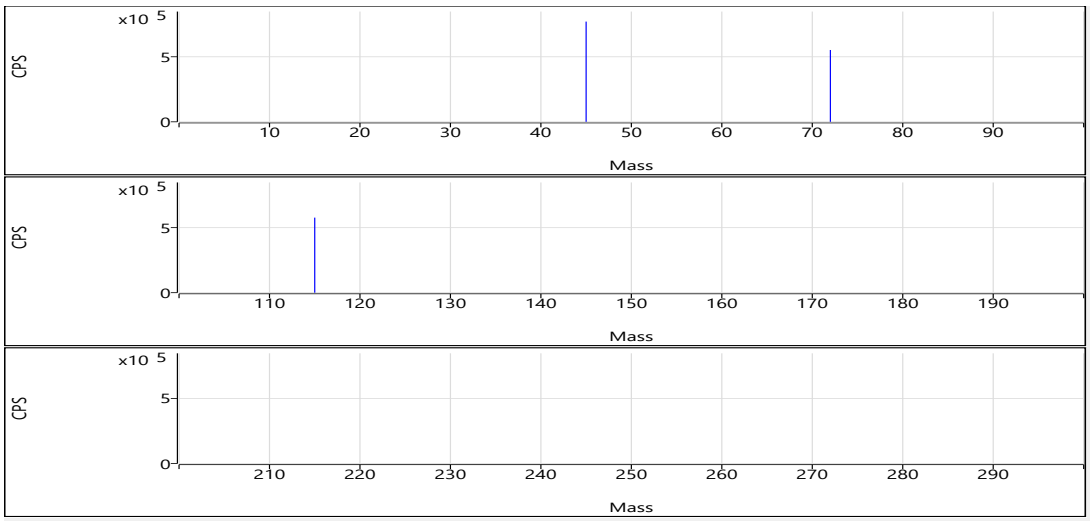
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	662088.04	0.1	96.9	Pulse	0.1000	3
No Gas	Ge	72	348083.42	0.3	96.2	Pulse	0.1000	3
H2	Sc	45	766777.43	0.6	99.1	Pulse	0.1000	3
H2	Ge	72	549498.91	0.6	101.0	Pulse	0.1000	3
H2	In	115	574285.59	0.7	104.1	Pulse	0.1000	3
He	Sc	45	57587.35	1.3	103.2	Pulse	0.1000	3
He	Ge	72	90715.35	1.6	101.6	Pulse	0.1000	3
He	In	115	79645.99	1.4	104.9	Pulse	0.1000	3
He	Tb	159	228192.73	0.7	103.8	Pulse	0.1000	3
He	Bi	209	141895.57	0.4	103.0	Pulse	0.1000	3

No Gas

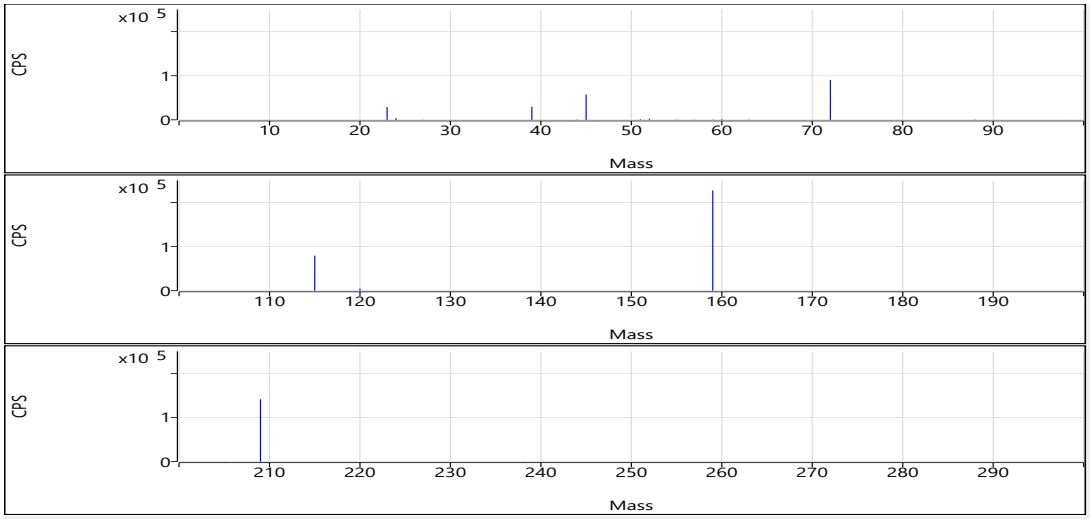


H2



Quantitation Report

He



Quantitation Report

Data File Name	160SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:21:23
Sample Name	630-117388-K-3-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

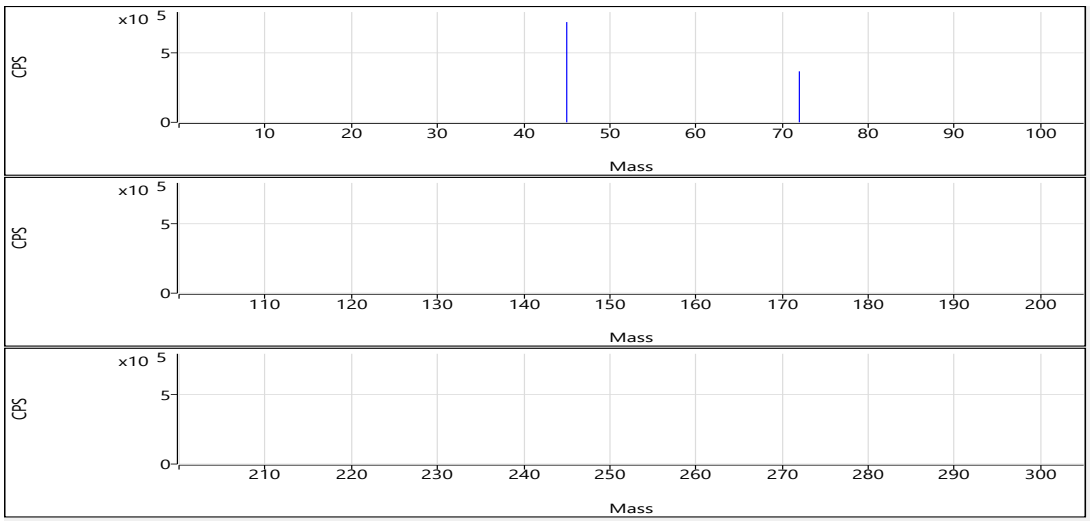
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.532	ppb	27.0	140.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.416	ppb	9.1	105.33	0.0002	Pulse	1.5000	3
Na	23	45	He	19380.301	ppb	1.6	4724534.72	76.1704	Analog	0.1000	3
Mg	24	45	He	12340.229	ppb	1.3	1524544.14	24.5778	Pulse	0.1000	3
Al	27	45	He	6128.661	ppb	1.6	266535.69	4.2970	Pulse	0.1000	3
K	39	45	He	4918.633	ppb	2.0	599411.67	9.6636	Pulse	0.1000	3
Ca	44	45	He	42308.813	ppb	1.7	259347.15	4.1808	Pulse	0.1000	3
Ti	47	45	He	187.461	ppb	3.9	8012.51	0.1291	Pulse	0.1000	3
V	51	45	He	28.176	ppb	1.9	46857.26	0.7554	Pulse	0.5000	3
Cr	52	72	He	67.501	ppb	0.4	134703.78	1.3711	Pulse	0.1000	3
Mn	55	45	He	936.231	ppb	2.4	905546.44	14.6005	Pulse	0.1000	3
Fe	57	45	He	16038.176	ppb	1.0	624189.16	10.0625	Pulse	0.1000	3
Co	59	72	He	7.339	ppb	0.0	25970.68	0.2643	Pulse	0.1000	3
Ni	60	115	He	17.850	ppb	2.4	18686.01	0.2223	Pulse	0.1000	3
Cu	63	115	He	38.232	ppb	1.0	103532.63	1.2314	Pulse	0.1000	3
Zn	66	72	He	205.791	ppb	0.5	65378.49	0.6655	Pulse	0.1000	3
As	75	72	He	3.512	ppb	7.6	930.04	0.0095	Pulse	0.5000	3
Sr	88	72	He	140.924	ppb	1.2	183591.88	1.8686	Pulse	0.1000	3
Mo	98	72	He	5.230	ppb	3.5	10610.96	0.1080	Pulse	0.1000	3
Ag	107	115	He	0.121	ppb	23.8	510.03	0.0061	Pulse	0.1000	3
Cd	111	115	He	0.390	ppb	10.9	194.00	0.0023	Pulse	0.5000	3
Sn	120	115	He	0.512	ppb	30.9	5597.98	0.0666	Pulse	0.1000	3
Sb	121	115	He	1.159	ppb	15.0	1690.17	0.0201	Pulse	0.1000	3
Ba	137	115	He	92.047	ppb	0.8	48299.37	0.5744	Pulse	0.1000	3
Tl	205	209	He	0.126	ppb	2.2	846.72	0.0056	Pulse	0.1000	3
Pb	208	209	He	36.524	ppb	1.0	297025.17	1.9744	Pulse	0.1000	3
U	238	209	He	0.662	ppb	2.9	5344.67	0.0355	Pulse	0.1000	3

ISTD Table:

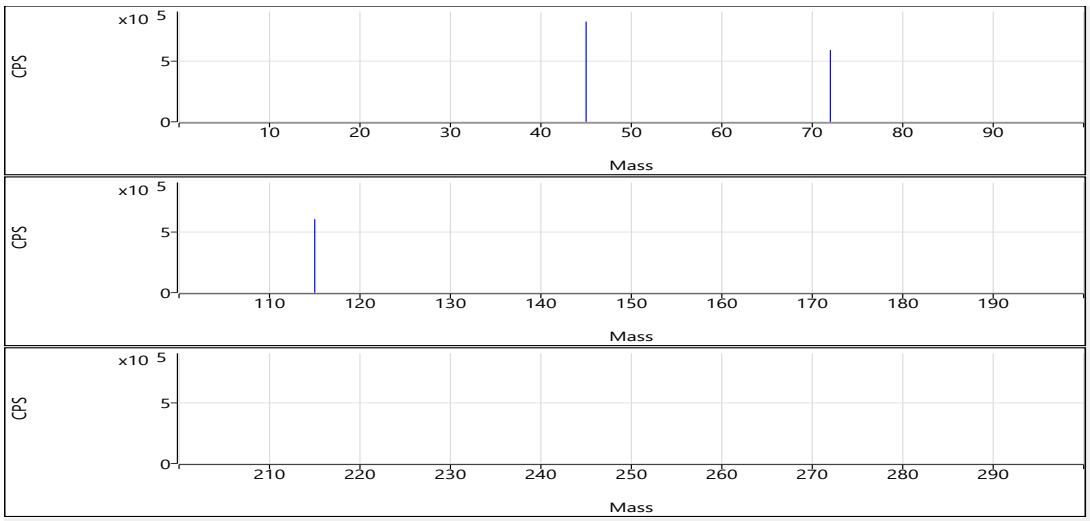
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	727002.52	0.3	106.3	Pulse	0.1000	3
No Gas	Ge	72	369725.80	0.1	102.2	Pulse	0.1000	3
H2	Sc	45	823178.35	0.5	106.4	Pulse	0.1000	3
H2	Ge	72	589199.50	1.1	108.3	Pulse	0.1000	3
H2	In	115	603700.62	0.8	109.5	Pulse	0.1000	3
He	Sc	45	62035.37	1.5	111.1	Pulse	0.1000	3
He	Ge	72	98244.38	0.6	110.0	Pulse	0.1000	3
He	In	115	84075.41	2.0	110.7	Pulse	0.1000	3
He	Tb	159	245624.81	0.9	111.8	Pulse	0.1000	3
He	Bi	209	150438.93	1.1	109.2	Pulse	0.1000	3

No Gas

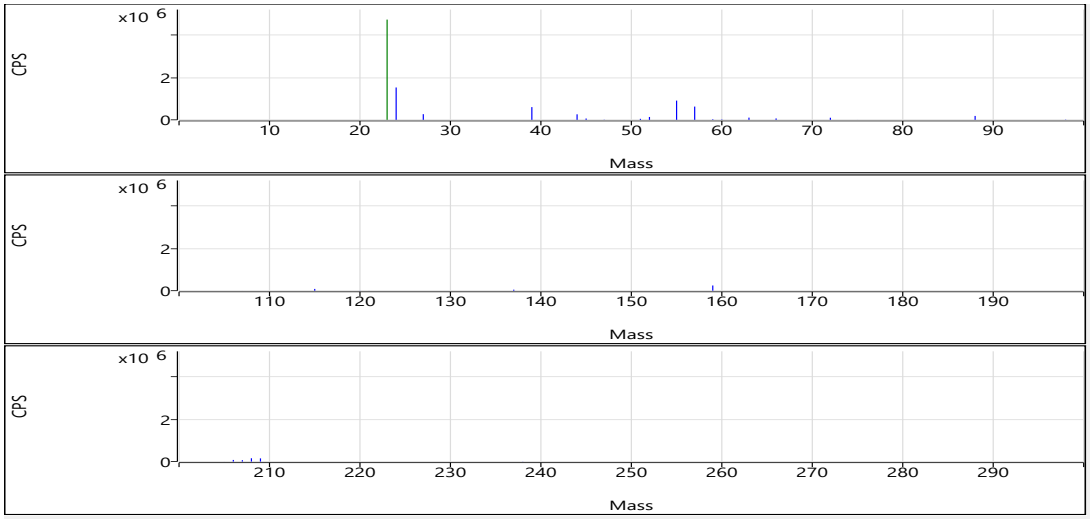


H2



Quantitation Report

He



Quantitation Report

Data File Name	161SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:23:29
Sample Name	630-117367-J-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

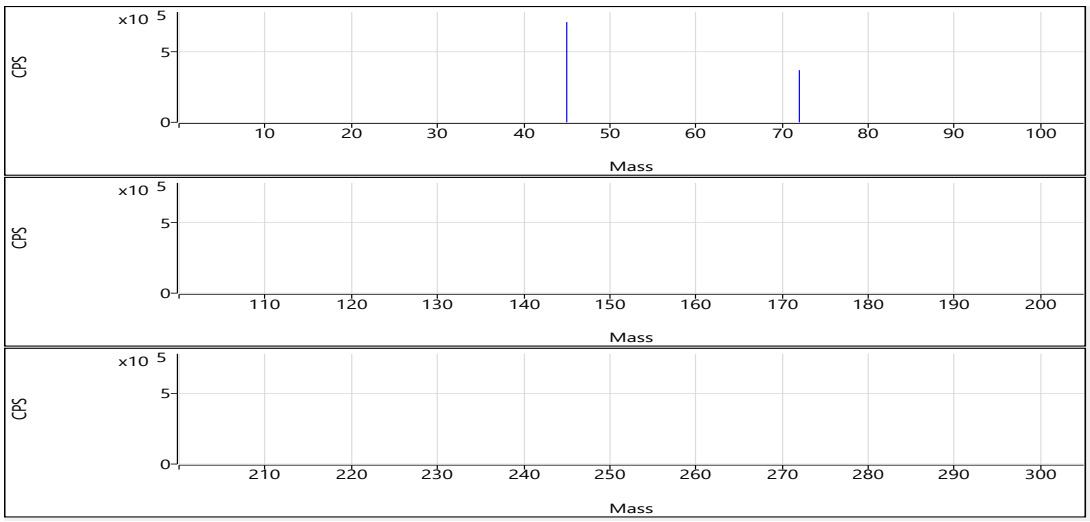
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.061	ppb	N/A	11.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.456	ppb	13.6	109.11	0.0002	Pulse	1.5000	3
Na	23	45	He	25898.136	ppb	2.6	5509150.34	101.6977	Analog	0.1000	3
Mg	24	45	He	10534.910	ppb	2.8	1136654.96	20.9837	Pulse	0.1000	3
Al	27	45	He	13.210	ppb	14.4	643.37	0.0119	Pulse	0.1000	3
K	39	45	He	3073.452	ppb	2.8	337497.44	6.2303	Pulse	0.1000	3
Ca	44	45	He	33672.270	ppb	2.9	180290.09	3.3283	Pulse	0.1000	3
Ti	47	45	He	1.878	ppb	21.6	73.33	0.0014	Pulse	0.1000	3
V	51	45	He	0.436	ppb	10.6	1528.76	0.0282	Pulse	0.5000	3
Cr	52	72	He	0.248	ppb	8.3	2393.61	0.0273	Pulse	0.1000	3
Mn	55	45	He	3.097	ppb	4.3	2860.38	0.0528	Pulse	0.1000	3
Fe	57	45	He	86.218	ppb	14.0	3160.46	0.0584	Pulse	0.1000	3
Co	59	72	He	0.113	ppb	8.0	533.36	0.0061	Pulse	0.1000	3
Ni	60	115	He	-0.132	ppb	N/A	996.74	0.0132	Pulse	0.1000	3
Cu	63	115	He	0.396	ppb	14.3	1210.09	0.0160	Pulse	0.1000	3
Zn	66	72	He	8.750	ppb	4.5	2566.99	0.0293	Pulse	0.1000	3
As	75	72	He	0.502	ppb	18.4	168.00	0.0019	Pulse	0.5000	3
Sr	88	72	He	123.365	ppb	1.5	143565.30	1.6362	Pulse	0.1000	3
Mo	98	72	He	1.306	ppb	8.2	2406.97	0.0274	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	215.6	50.00	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.029	ppb	80.9	14.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.541	ppb	N/A	3513.91	0.0464	Pulse	0.1000	3
Sb	121	115	He	0.377	ppb	13.0	510.03	0.0067	Pulse	0.1000	3
Ba	137	115	He	93.343	ppb	1.9	44114.52	0.5825	Pulse	0.1000	3
Tl	205	209	He	0.021	ppb	36.9	186.68	0.0014	Pulse	0.1000	3
Pb	208	209	He	0.084	ppb	15.7	903.38	0.0067	Pulse	0.1000	3
U	238	209	He	0.447	ppb	8.7	3277.20	0.0243	Pulse	0.1000	3

ISTD Table:

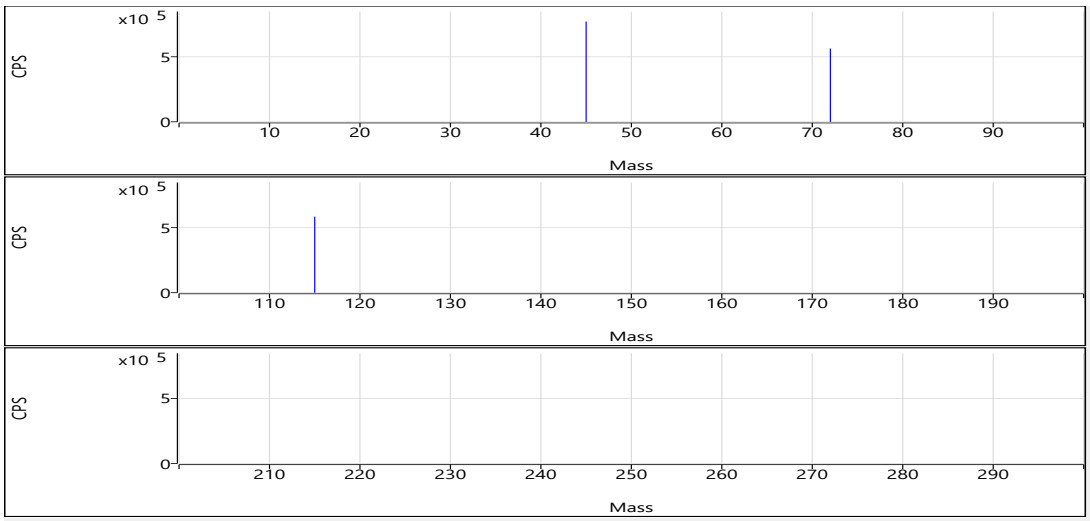
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711844.02	0.6	104.1	Pulse	0.1000	3
No Gas	Ge	72	370242.91	0.8	102.4	Pulse	0.1000	3
H2	Sc	45	767668.82	0.6	99.2	Pulse	0.1000	3
H2	Ge	72	561327.31	0.8	103.2	Pulse	0.1000	3
H2	In	115	582301.31	0.6	105.6	Pulse	0.1000	3
He	Sc	45	54187.47	2.0	97.1	Pulse	0.1000	3
He	Ge	72	87746.55	0.5	98.2	Pulse	0.1000	3
He	In	115	75737.95	0.9	99.7	Pulse	0.1000	3
He	Tb	159	219310.87	1.5	99.8	Pulse	0.1000	3
He	Bi	209	135243.89	1.9	98.2	Pulse	0.1000	3

No Gas

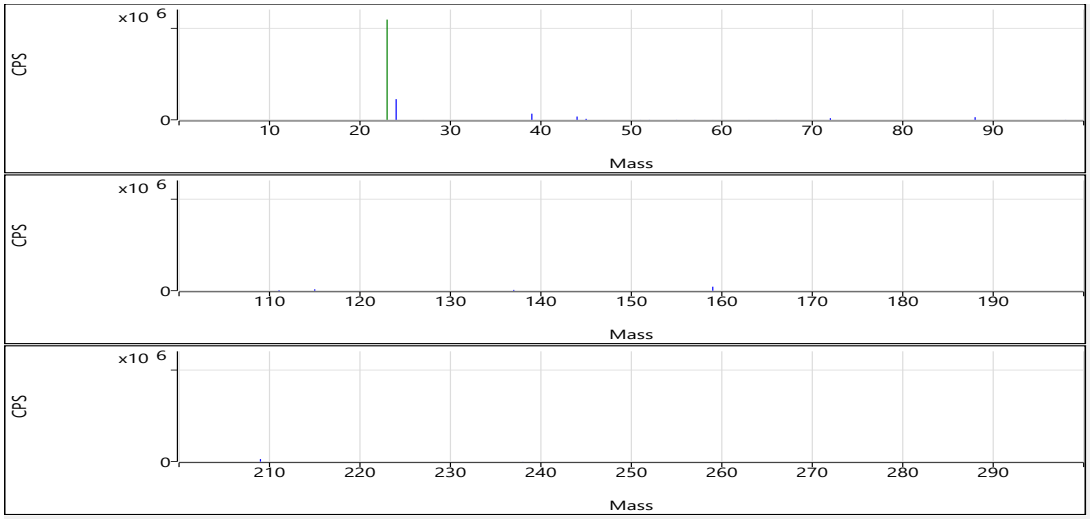


H2



Quantitation Report

He



Quantitation Report

Data File Name	162SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:25:34
Sample Name	630-117387-M-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

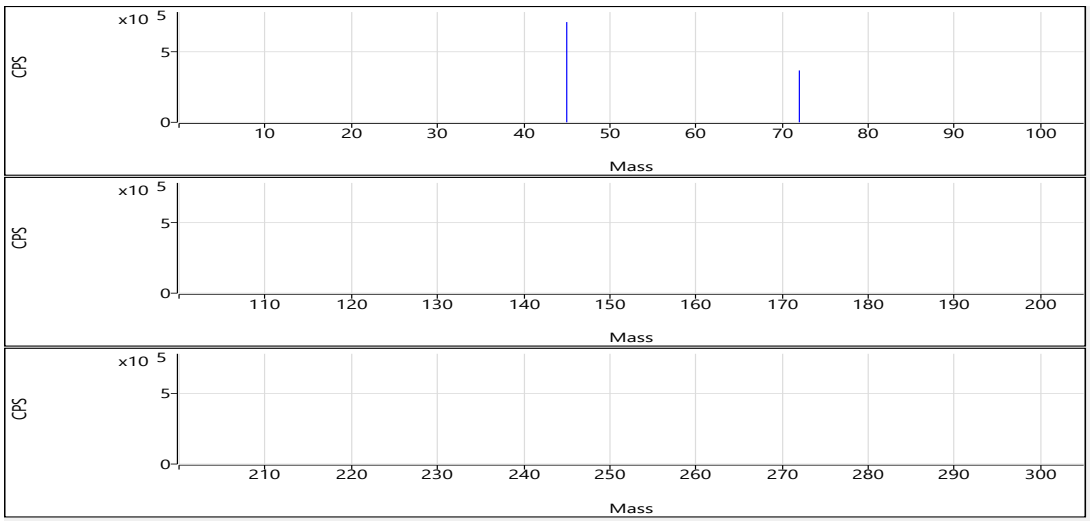
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.038	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.327	ppb	8.7	81.11	0.0001	Pulse	1.5000	3
Na	23	45	He	7409.757	ppb	1.0	1748134.35	29.2875	Pulse	0.1000	3
Mg	24	45	He	1467.089	ppb	0.4	174991.07	2.9315	Pulse	0.1000	3
Al	27	45	He	178.926	ppb	4.4	7638.92	0.1280	Pulse	0.1000	3
K	39	45	He	608.492	ppb	2.5	98109.19	1.6437	Pulse	0.1000	3
Ca	44	45	He	7737.333	ppb	1.3	45859.19	0.7682	Pulse	0.1000	3
Ti	47	45	He	6.639	ppb	15.6	276.68	0.0046	Pulse	0.1000	3
V	51	45	He	3.059	ppb	1.0	5789.18	0.0970	Pulse	0.5000	3
Cr	52	72	He	1.527	ppb	14.6	5094.41	0.0528	Pulse	0.1000	3
Mn	55	45	He	28.163	ppb	1.5	26477.93	0.4436	Pulse	0.1000	3
Fe	57	45	He	302.086	ppb	3.4	11565.00	0.1938	Pulse	0.1000	3
Co	59	72	He	0.275	ppb	8.9	1146.76	0.0119	Pulse	0.1000	3
Ni	60	115	He	0.834	ppb	15.8	2056.88	0.0244	Pulse	0.1000	3
Cu	63	115	He	12.049	ppb	1.7	32858.16	0.3903	Pulse	0.1000	3
Zn	66	72	He	71.338	ppb	4.7	22314.55	0.2313	Pulse	0.1000	3
As	75	72	He	0.706	ppb	17.2	234.67	0.0024	Pulse	0.5000	3
Sr	88	72	He	26.206	ppb	3.6	33777.36	0.3502	Pulse	0.1000	3
Mo	98	72	He	0.603	ppb	18.6	1250.10	0.0130	Pulse	0.1000	3
Ag	107	115	He	0.014	ppb	78.2	90.00	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.088	ppb	8.5	45.33	0.0005	Pulse	0.5000	3
Sn	120	115	He	-0.399	ppb	N/A	4134.10	0.0491	Pulse	0.1000	3
Sb	121	115	He	0.474	ppb	14.6	706.72	0.0084	Pulse	0.1000	3
Ba	137	115	He	10.921	ppb	2.0	5831.45	0.0692	Pulse	0.1000	3
Tl	205	209	He	0.017	ppb	20.1	180.01	0.0012	Pulse	0.1000	3
Pb	208	209	He	2.806	ppb	1.7	22855.23	0.1537	Pulse	0.1000	3
U	238	209	He	0.051	ppb	14.4	520.03	0.0035	Pulse	0.1000	3

ISTD Table:

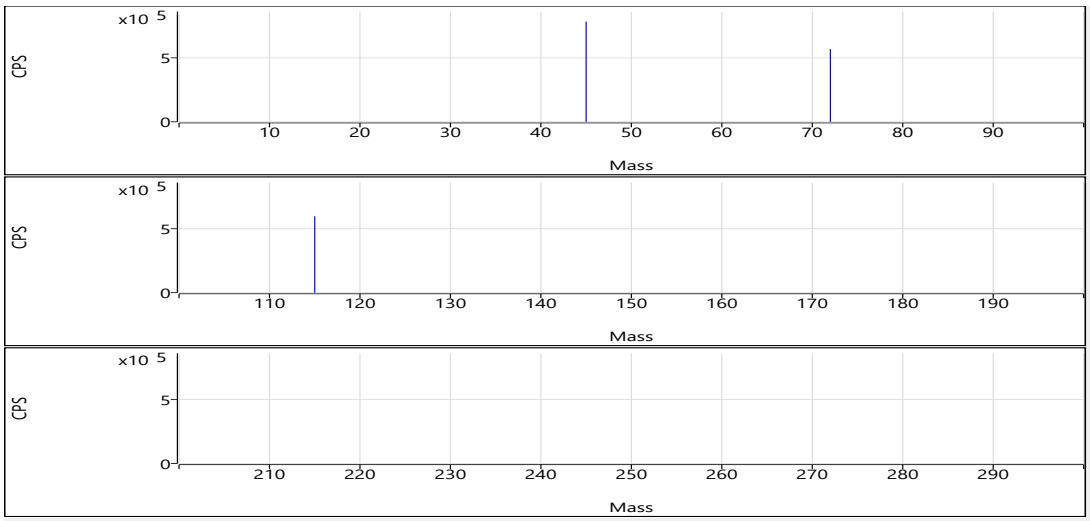
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	706350.80	0.7	103.3	Pulse	0.1000	3
No Gas	Ge	72	365412.33	0.8	101.0	Pulse	0.1000	3
H2	Sc	45	779368.74	0.7	100.8	Pulse	0.1000	3
H2	Ge	72	565408.49	0.6	103.9	Pulse	0.1000	3
H2	In	115	593535.41	1.3	107.6	Pulse	0.1000	3
He	Sc	45	59692.08	1.2	106.9	Pulse	0.1000	3
He	Ge	72	96502.88	2.2	108.0	Pulse	0.1000	3
He	In	115	84211.29	2.3	110.9	Pulse	0.1000	3
He	Tb	159	238346.30	0.5	108.4	Pulse	0.1000	3
He	Bi	209	148725.71	0.6	108.0	Pulse	0.1000	3

No Gas

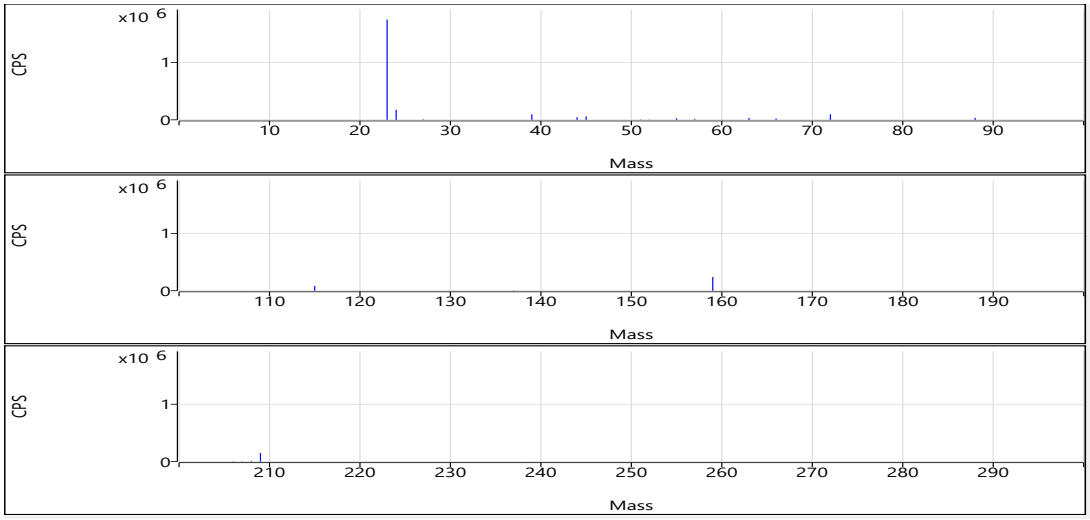


H2



Quantitation Report

He



Quantitation Report

Data File Name	163SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:27:41
Sample Name	410-235034-Q-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

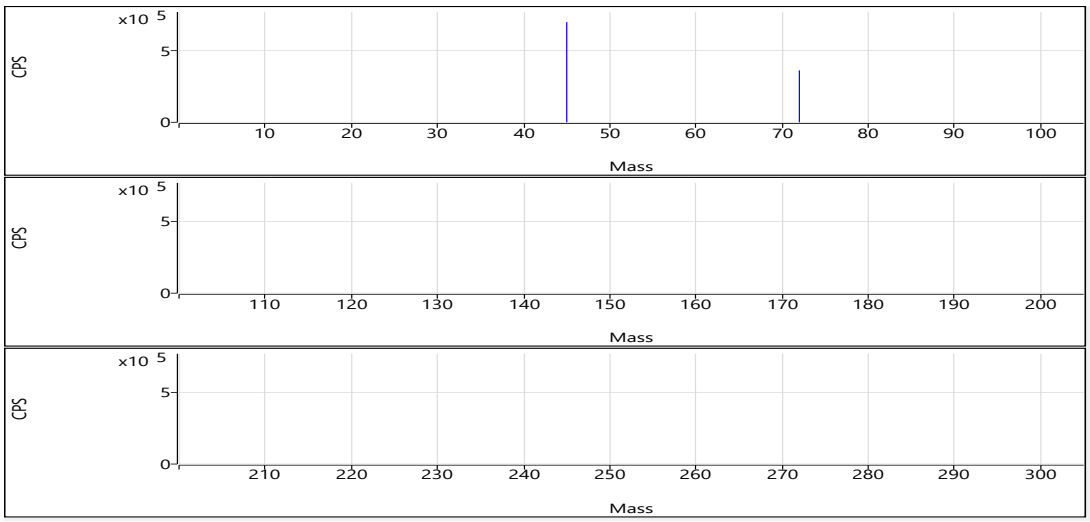
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.060	ppb	N/A	11.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.078	ppb	9.2	25.33	0.0000	Pulse	1.5000	3
Na	23	45	He	5079.760	ppb	2.4	1215193.81	20.1620	Pulse	0.1000	3
Mg	24	45	He	2138.607	ppb	2.0	257274.12	4.2684	Pulse	0.1000	3
Al	27	45	He	40.532	ppb	6.2	1873.52	0.0310	Pulse	0.1000	3
K	39	45	He	30106.705	ppb	2.3	3407232.87	56.5310	Pulse	0.1000	3
Ca	44	45	He	3539.294	ppb	3.8	21322.88	0.3538	Pulse	0.1000	3
Ti	47	45	He	2.896	ppb	26.1	123.34	0.0021	Pulse	0.1000	3
V	51	45	He	0.385	ppb	6.9	1620.77	0.0269	Pulse	0.5000	3
Cr	52	72	He	0.105	ppb	42.5	2300.27	0.0244	Pulse	0.1000	3
Mn	55	45	He	83.923	ppb	2.0	79135.42	1.3129	Pulse	0.1000	3
Fe	57	45	He	103.250	ppb	1.2	4164.08	0.0691	Pulse	0.1000	3
Co	59	72	He	0.485	ppb	6.0	1823.52	0.0194	Pulse	0.1000	3
Ni	60	115	He	2.980	ppb	7.1	4054.05	0.0494	Pulse	0.1000	3
Cu	63	115	He	1.842	ppb	2.2	5127.75	0.0624	Pulse	0.1000	3
Zn	66	72	He	9.796	ppb	7.3	3073.77	0.0326	Pulse	0.1000	3
As	75	72	He	1.033	ppb	6.3	306.01	0.0032	Pulse	0.5000	3
Sr	88	72	He	10.793	ppb	3.1	13767.12	0.1462	Pulse	0.1000	3
Mo	98	72	He	0.454	ppb	10.7	933.40	0.0099	Pulse	0.1000	3
Ag	107	115	He	-0.002	ppb	N/A	30.00	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.016	ppb	44.3	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.646	ppb	N/A	3647.30	0.0444	Pulse	0.1000	3
Sb	121	115	He	0.032	ppb	80.1	70.00	0.0009	Pulse	0.1000	3
Ba	137	115	He	3.779	ppb	12.8	2033.55	0.0248	Pulse	0.1000	3
Tl	205	209	He	0.008	ppb	28.0	126.67	0.0008	Pulse	0.1000	3
Pb	208	209	He	0.169	ppb	3.9	1676.77	0.0112	Pulse	0.1000	3
U	238	209	He	0.029	ppb	13.6	353.35	0.0024	Pulse	0.1000	3

ISTD Table:

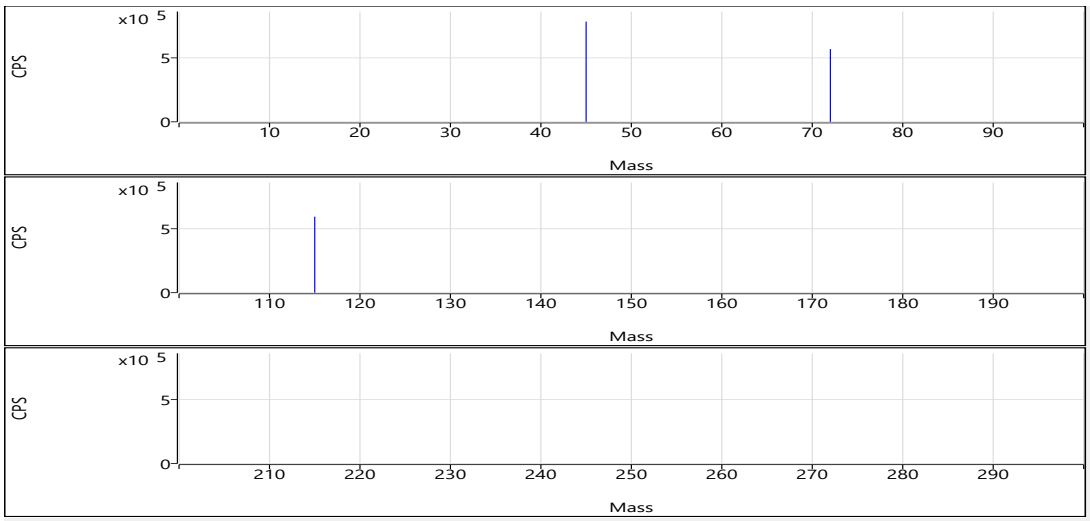
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	703091.21	0.4	102.8	Pulse	0.1000	3
No Gas	Ge	72	364197.73	1.2	100.7	Pulse	0.1000	3
H2	Sc	45	781040.51	1.1	101.0	Pulse	0.1000	3
H2	Ge	72	566644.86	1.0	104.2	Pulse	0.1000	3
H2	In	115	592246.77	0.6	107.4	Pulse	0.1000	3
He	Sc	45	60301.41	3.5	108.0	Pulse	0.1000	3
He	Ge	72	94181.23	1.0	105.5	Pulse	0.1000	3
He	In	115	82146.46	0.4	108.2	Pulse	0.1000	3
He	Tb	159	237386.63	0.3	108.0	Pulse	0.1000	3
He	Bi	209	149120.63	0.9	108.2	Pulse	0.1000	3

No Gas

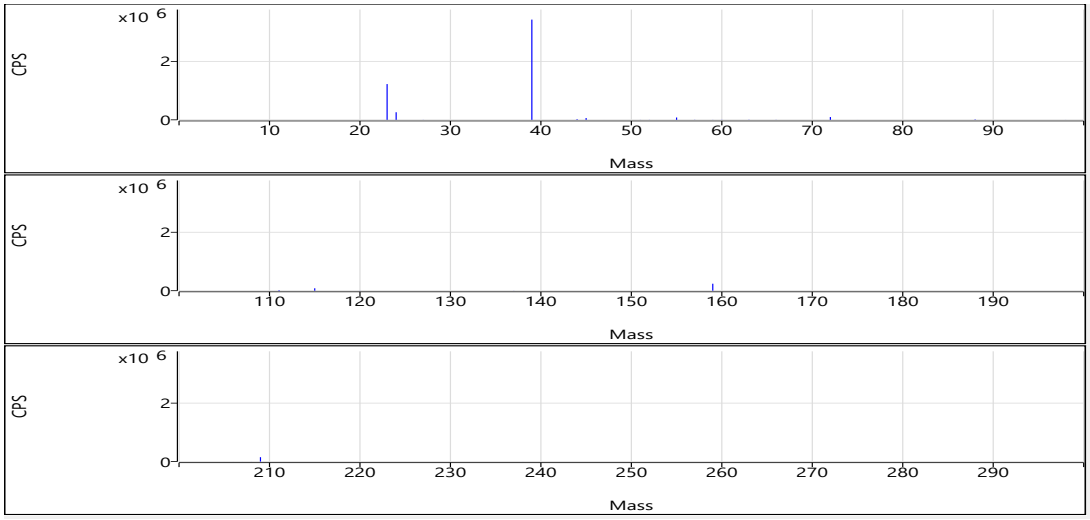


H2



Quantitation Report

He



Quantitation Report

Data File Name	164SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:29:48
Sample Name	410-235224-J-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

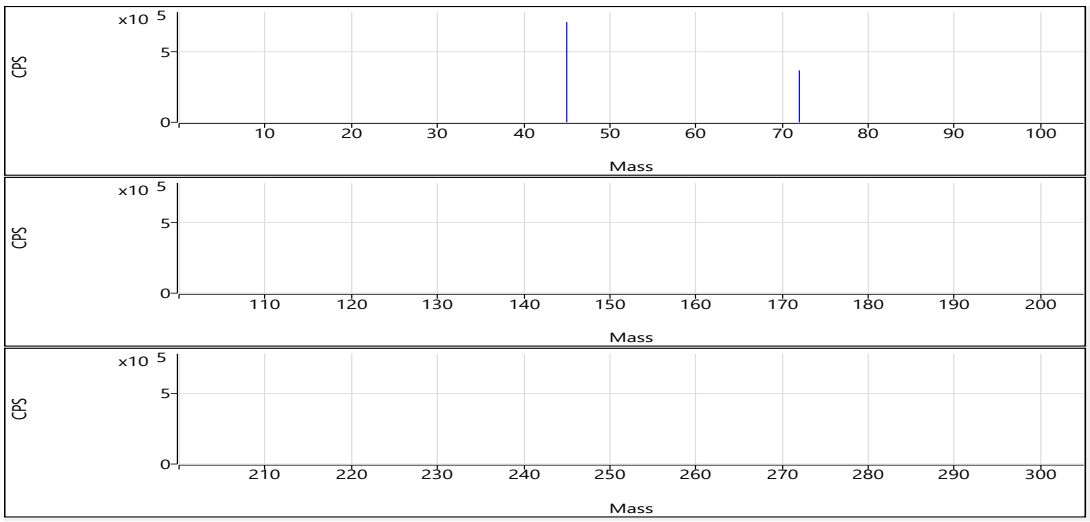
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.032	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.213	ppb	9.9	56.22	0.0001	Pulse	1.5000	3
Na	23	45	He	2570.262	ppb	2.6	629933.01	10.3335	Pulse	0.1000	3
Mg	24	45	He	1810.852	ppb	1.9	220444.42	3.6159	Pulse	0.1000	3
Al	27	45	He	183.408	ppb	1.8	7999.10	0.1311	Pulse	0.1000	3
K	39	45	He	476.058	ppb	4.7	85175.94	1.3973	Pulse	0.1000	3
Ca	44	45	He	4497.290	ppb	3.6	27346.05	0.4484	Pulse	0.1000	3
Ti	47	45	He	7.230	ppb	12.4	306.68	0.0050	Pulse	0.1000	3
V	51	45	He	3.802	ppb	0.4	7102.43	0.1165	Pulse	0.5000	3
Cr	52	72	He	0.443	ppb	9.6	3013.77	0.0312	Pulse	0.1000	3
Mn	55	45	He	27.422	ppb	1.8	26341.15	0.4321	Pulse	0.1000	3
Fe	57	45	He	294.780	ppb	6.4	11524.98	0.1892	Pulse	0.1000	3
Co	59	72	He	0.356	ppb	14.9	1426.79	0.0148	Pulse	0.1000	3
Ni	60	115	He	1.072	ppb	20.0	2276.92	0.0272	Pulse	0.1000	3
Cu	63	115	He	8.917	ppb	1.8	24291.13	0.2897	Pulse	0.1000	3
Zn	66	72	He	172.360	ppb	0.8	53874.45	0.5575	Pulse	0.1000	3
As	75	72	He	0.435	ppb	34.5	169.33	0.0017	Pulse	0.5000	3
Sr	88	72	He	13.528	ppb	4.5	17621.34	0.1824	Pulse	0.1000	3
Mo	98	72	He	0.636	ppb	4.9	1320.11	0.0137	Pulse	0.1000	3
Ag	107	115	He	0.012	ppb	61.5	83.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.441	ppb	10.4	218.67	0.0026	Pulse	0.5000	3
Sn	120	115	He	6.394	ppb	8.7	15018.54	0.1792	Pulse	0.1000	3
Sb	121	115	He	0.634	ppb	11.8	933.40	0.0111	Pulse	0.1000	3
Ba	137	115	He	11.687	ppb	3.3	6204.95	0.0740	Pulse	0.1000	3
Tl	205	209	He	0.009	ppb	133.8	133.34	0.0009	Pulse	0.1000	3
Pb	208	209	He	3.148	ppb	3.5	26251.23	0.1721	Pulse	0.1000	3
U	238	209	He	0.052	ppb	4.0	546.70	0.0036	Pulse	0.1000	3

ISTD Table:

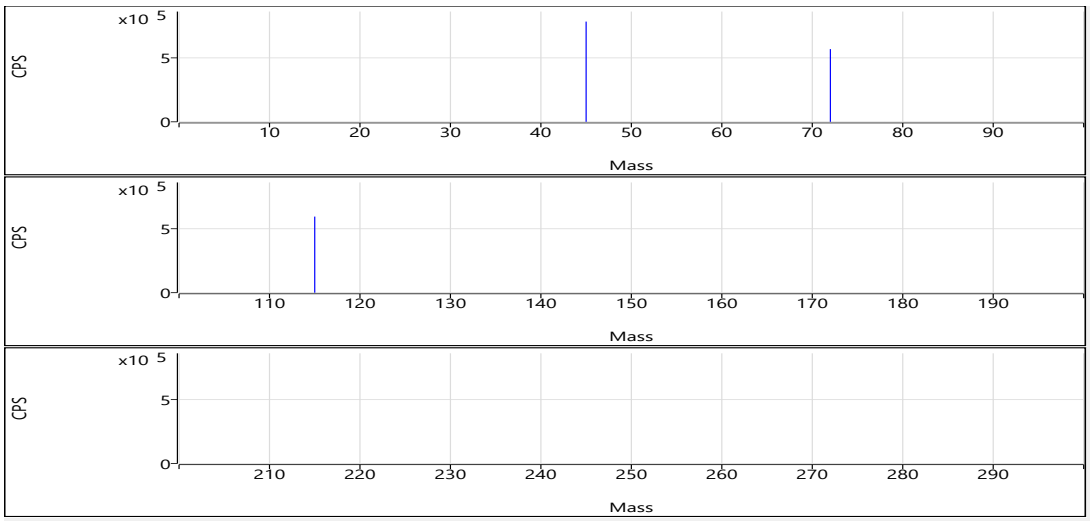
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	710080.67	2.3	103.9	Pulse	0.1000	3
No Gas	Ge	72	367585.75	1.1	101.6	Pulse	0.1000	3
H2	Sc	45	788740.25	0.6	102.0	Pulse	0.1000	3
H2	Ge	72	572189.60	0.2	105.2	Pulse	0.1000	3
H2	In	115	598769.42	0.6	108.6	Pulse	0.1000	3
He	Sc	45	60987.60	2.8	109.3	Pulse	0.1000	3
He	Ge	72	96633.79	1.6	108.2	Pulse	0.1000	3
He	In	115	83874.95	2.0	110.5	Pulse	0.1000	3
He	Tb	159	239994.40	1.0	109.2	Pulse	0.1000	3
He	Bi	209	152549.28	0.5	110.7	Pulse	0.1000	3

No Gas

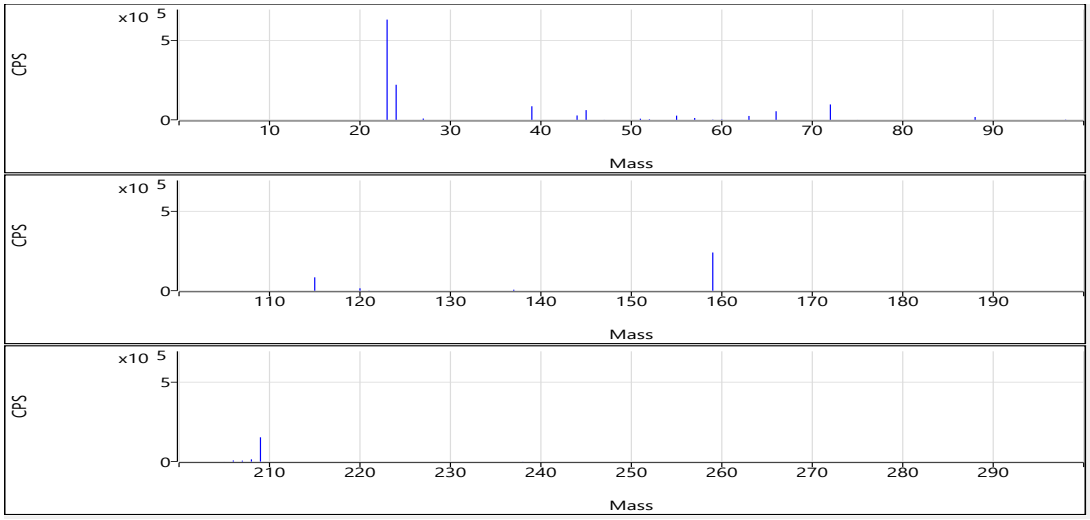


H2



Quantitation Report

He



Quantitation Report

Data File Name	165SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:31:55
Sample Name	410-235224-L-1-A DU
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

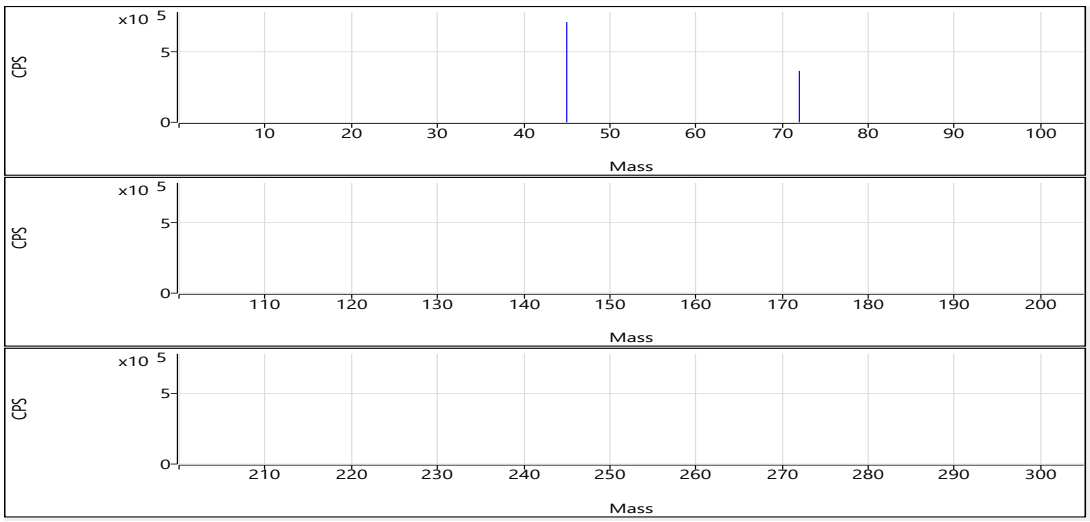
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.032	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.193	ppb	19.9	52.00	0.0001	Pulse	1.5000	3
Na	23	45	He	2567.732	ppb	1.0	625799.33	10.3235	Pulse	0.1000	3
Mg	24	45	He	1812.152	ppb	0.7	219364.33	3.6184	Pulse	0.1000	3
Al	27	45	He	170.608	ppb	3.8	7405.43	0.1222	Pulse	0.1000	3
K	39	45	He	457.387	ppb	2.5	82601.33	1.3626	Pulse	0.1000	3
Ca	44	45	He	4493.856	ppb	3.1	27155.94	0.4481	Pulse	0.1000	3
Ti	47	45	He	6.069	ppb	19.4	256.68	0.0042	Pulse	0.1000	3
V	51	45	He	3.781	ppb	2.7	7027.05	0.1159	Pulse	0.5000	3
Cr	52	72	He	0.392	ppb	13.1	2917.07	0.0302	Pulse	0.1000	3
Mn	55	45	He	27.979	ppb	2.2	26715.27	0.4407	Pulse	0.1000	3
Fe	57	45	He	274.760	ppb	3.4	10704.28	0.1766	Pulse	0.1000	3
Co	59	72	He	0.360	ppb	7.9	1440.12	0.0149	Pulse	0.1000	3
Ni	60	115	He	1.075	ppb	12.5	2283.59	0.0272	Pulse	0.1000	3
Cu	63	115	He	9.219	ppb	1.9	25132.43	0.2994	Pulse	0.1000	3
Zn	66	72	He	174.518	ppb	0.3	54574.06	0.5645	Pulse	0.1000	3
As	75	72	He	0.469	ppb	16.9	177.33	0.0018	Pulse	0.5000	3
Sr	88	72	He	13.655	ppb	4.5	17791.75	0.1841	Pulse	0.1000	3
Mo	98	72	He	0.564	ppb	3.7	1176.75	0.0122	Pulse	0.1000	3
Ag	107	115	He	0.001	ppb	864.0	40.00	0.0005	Pulse	0.1000	3
Cd	111	115	He	0.482	ppb	4.8	238.67	0.0028	Pulse	0.5000	3
Sn	120	115	He	6.564	ppb	5.3	15315.64	0.1824	Pulse	0.1000	3
Sb	121	115	He	0.625	ppb	4.3	920.06	0.0110	Pulse	0.1000	3
Ba	137	115	He	10.969	ppb	2.2	5838.09	0.0695	Pulse	0.1000	3
Tl	205	209	He	0.012	ppb	26.9	150.01	0.0010	Pulse	0.1000	3
Pb	208	209	He	3.167	ppb	0.4	26084.21	0.1732	Pulse	0.1000	3
U	238	209	He	0.042	ppb	42.0	456.69	0.0030	Pulse	0.1000	3

ISTD Table:

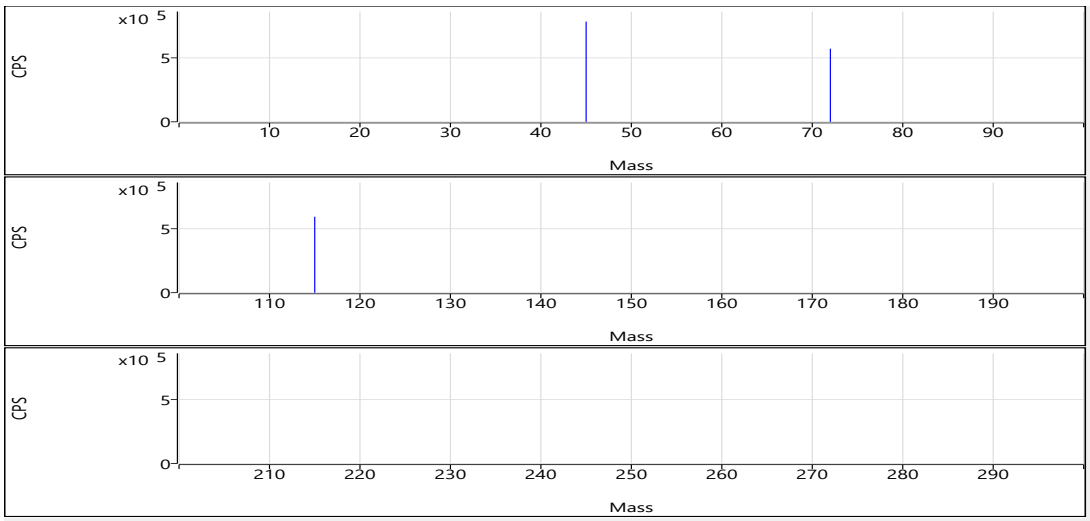
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705118.58	0.4	103.1	Pulse	0.1000	3
No Gas	Ge	72	361749.08	0.6	100.0	Pulse	0.1000	3
H2	Sc	45	786625.51	0.7	101.7	Pulse	0.1000	3
H2	Ge	72	574068.85	1.4	105.5	Pulse	0.1000	3
H2	In	115	596029.98	1.1	108.1	Pulse	0.1000	3
He	Sc	45	60623.02	1.3	108.6	Pulse	0.1000	3
He	Ge	72	96680.21	0.7	108.2	Pulse	0.1000	3
He	In	115	83952.88	0.4	110.6	Pulse	0.1000	3
He	Tb	159	240675.41	1.0	109.5	Pulse	0.1000	3
He	Bi	209	150639.21	0.6	109.3	Pulse	0.1000	3

No Gas

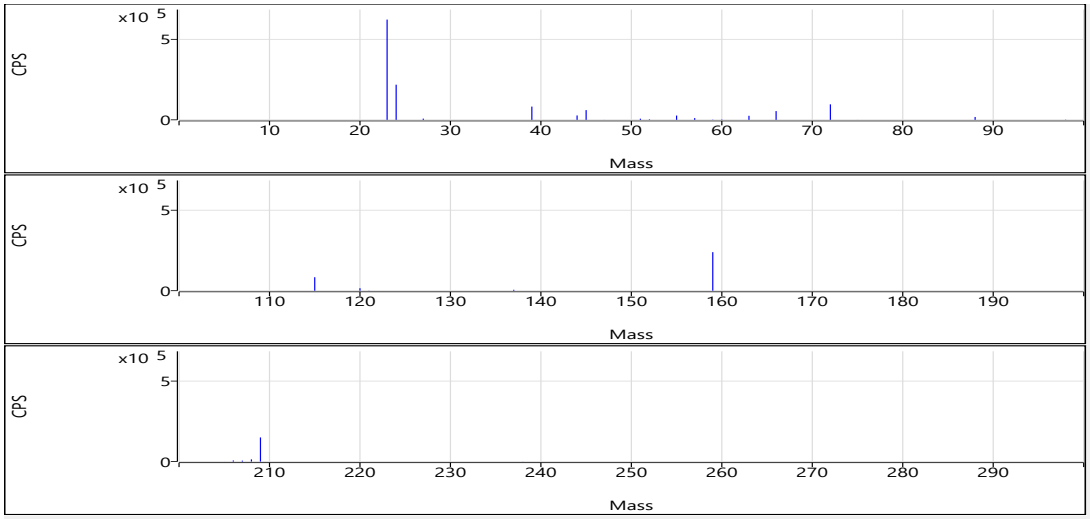


H2



Quantitation Report

He



Quantitation Report

Data File Name	166SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:34:02
Sample Name	410-235224-K-1-A MS
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

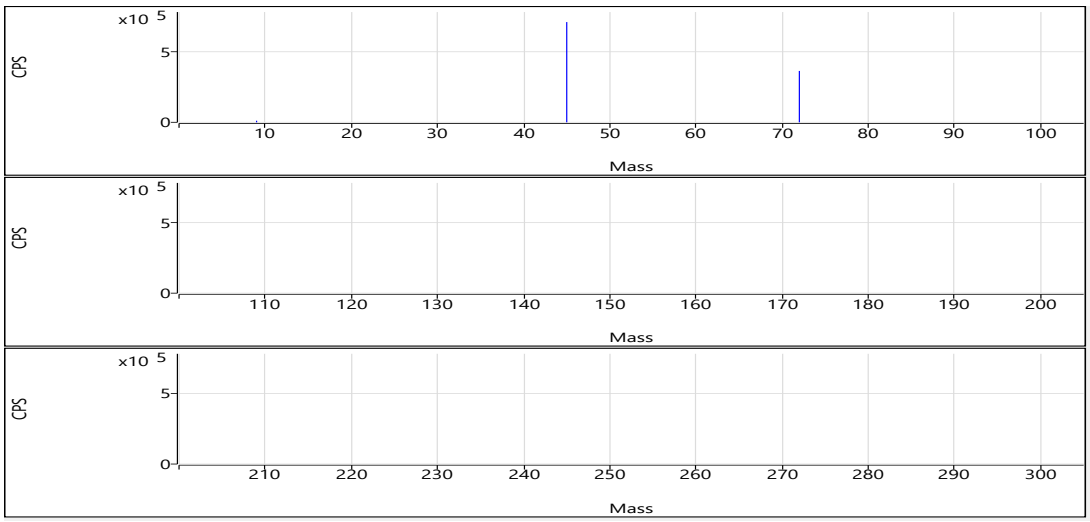
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	52.093	ppb	0.6	11125.51	0.0156	Pulse	0.5000	3
Se	78	72	H2	94.067	ppb	1.5	21005.70	0.0373	Pulse	1.5000	3
Na	23	45	He	7158.985	ppb	1.2	1721627.94	28.3053	Pulse	0.1000	3
Mg	24	45	He	6307.891	ppb	0.6	764497.05	12.5686	Pulse	0.1000	3
Al	27	45	He	4880.961	ppb	1.8	208178.84	3.4228	Pulse	0.1000	3
K	39	45	He	5235.197	ppb	0.8	623617.33	10.2526	Pulse	0.1000	3
Ca	44	45	He	9076.602	ppb	1.2	54769.98	0.9004	Pulse	0.1000	3
Ti	47	45	He	477.236	ppb	4.0	19987.65	0.3287	Pulse	0.1000	3
V	51	45	He	462.499	ppb	0.3	738488.19	12.1408	Pulse	0.5000	3
Cr	52	72	He	477.485	ppb	1.9	905269.49	9.5634	Pulse	0.1000	3
Mn	55	45	He	492.665	ppb	1.2	467442.56	7.6852	Pulse	0.1000	3
Fe	57	45	He	4860.192	ppb	1.4	185651.36	3.0523	Pulse	0.1000	3
Co	59	72	He	475.558	ppb	1.3	1609165.29	16.9984	Pulse	0.1000	3
Ni	60	115	He	454.645	ppb	1.9	438573.56	5.3025	Pulse	0.1000	3
Cu	63	115	He	469.943	ppb	1.0	1248951.31	15.0992	Pulse	0.1000	3
Zn	66	72	He	651.929	ppb	2.4	199338.87	2.1059	Pulse	0.1000	3
As	75	72	He	488.824	ppb	1.2	116112.63	1.2265	Pulse	0.5000	3
Sr	88	72	He	61.226	ppb	1.6	77052.23	0.8137	Pulse	0.1000	3
Mo	98	72	He	46.189	ppb	1.3	89868.23	0.9493	Pulse	0.1000	3
Ag	107	115	He	46.837	ppb	0.3	179613.87	2.1713	Pulse	0.1000	3
Cd	111	115	He	47.147	ppb	0.2	22782.47	0.2754	Pulse	0.5000	3
Sn	120	115	He	99.029	ppb	0.5	161545.28	1.9528	Pulse	0.1000	3
Sb	121	115	He	93.553	ppb	1.3	131936.88	1.5951	Pulse	0.1000	3
Ba	137	115	He	478.250	ppb	0.9	246459.30	2.9795	Pulse	0.1000	3
Tl	205	209	He	95.461	ppb	1.2	567057.11	3.8728	Pulse	0.1000	3
Pb	208	209	He	50.168	ppb	0.5	397012.14	2.7112	Pulse	0.1000	3
U	238	209	He	46.372	ppb	1.8	355709.48	2.4295	Pulse	0.1000	3

ISTD Table:

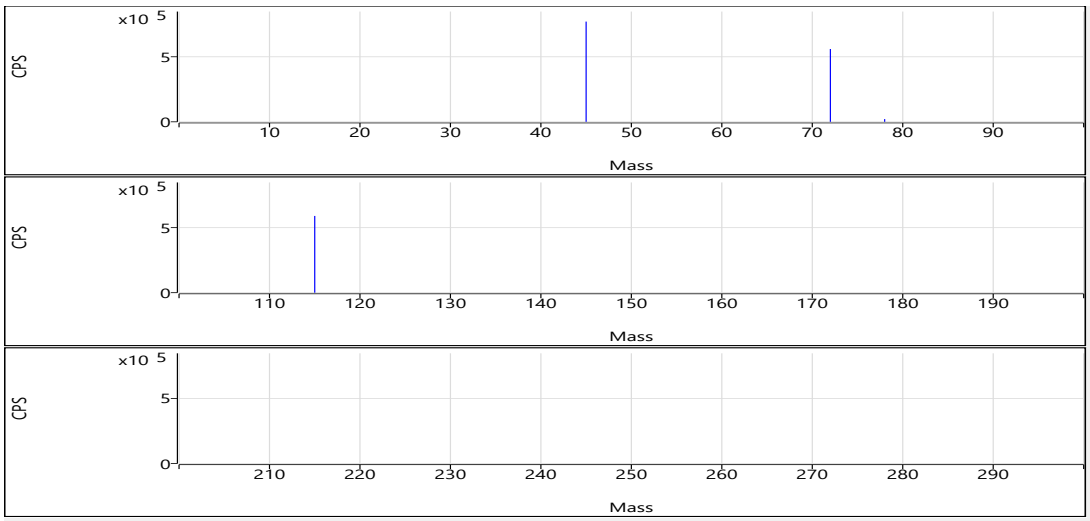
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711470.20	0.5	104.1	Pulse	0.1000	3
No Gas	Ge	72	364610.50	0.3	100.8	Pulse	0.1000	3
H2	Sc	45	775813.27	0.7	100.3	Pulse	0.1000	3
H2	Ge	72	563504.22	1.6	103.6	Pulse	0.1000	3
H2	In	115	594110.56	0.6	107.7	Pulse	0.1000	3
He	Sc	45	60827.03	0.7	109.0	Pulse	0.1000	3
He	Ge	72	94677.29	1.5	106.0	Pulse	0.1000	3
He	In	115	82721.85	1.1	108.9	Pulse	0.1000	3
He	Tb	159	236706.47	0.9	107.7	Pulse	0.1000	3
He	Bi	209	146437.73	1.4	106.3	Pulse	0.1000	3

No Gas

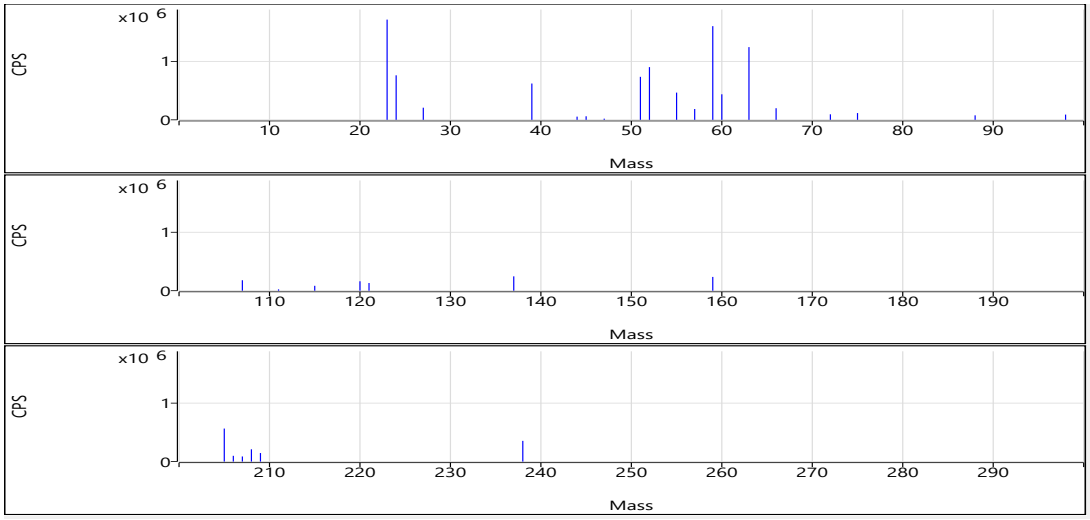


H2



Quantitation Report

He



Quantitation Report

Data File Name	167SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:36:08
Sample Name	410-235307-B-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

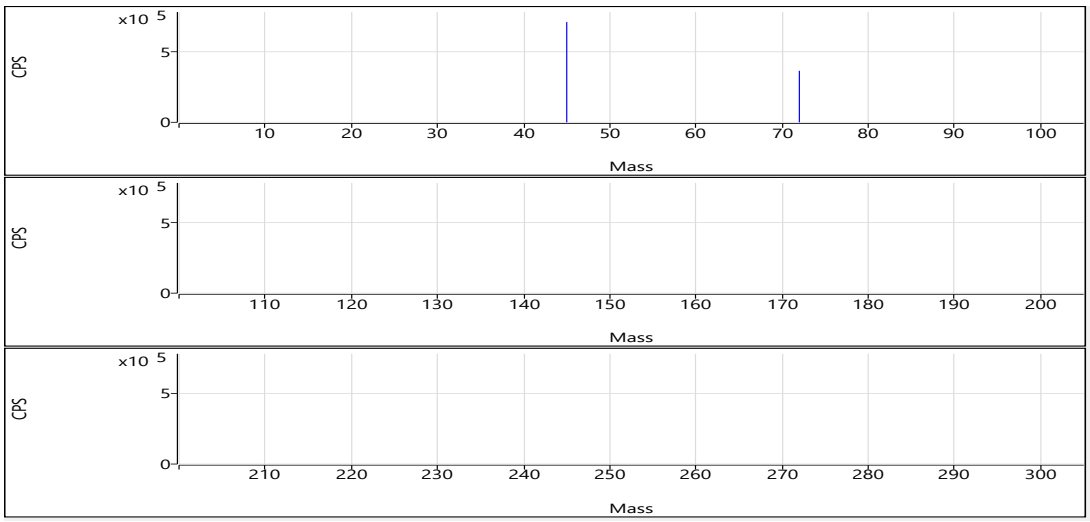
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1.177	ppb	2.9	273.33	0.0004	Pulse	0.5000	3
Se	78	72	H2	1.100	ppb	0.9	257.78	0.0004	Pulse	1.5000	3
Na	23	45	He	18781.971	ppb	0.9	4427848.58	73.8270	Analog	0.1000	3
Mg	24	45	He	1377.733	ppb	1.2	165155.15	2.7536	Pulse	0.1000	3
Al	27	45	He	476.494	ppb	2.6	20184.29	0.3365	Pulse	0.1000	3
K	39	45	He	515.504	ppb	4.0	88203.60	1.4707	Pulse	0.1000	3
Ca	44	45	He	4113.902	ppb	1.0	24624.62	0.4106	Pulse	0.1000	3
Ti	47	45	He	1.851	ppb	22.6	80.00	0.0013	Pulse	0.1000	3
V	51	45	He	0.876	ppb	11.1	2386.21	0.0398	Pulse	0.5000	3
Cr	52	72	He	0.766	ppb	8.3	3550.57	0.0376	Pulse	0.1000	3
Mn	55	45	He	301.071	ppb	1.1	281789.15	4.6983	Pulse	0.1000	3
Fe	57	45	He	292.280	ppb	3.3	11251.37	0.1876	Pulse	0.1000	3
Co	59	72	He	0.740	ppb	4.0	2687.00	0.0285	Pulse	0.1000	3
Ni	60	115	He	3.948	ppb	11.6	5021.06	0.0606	Pulse	0.1000	3
Cu	63	115	He	4.990	ppb	1.9	13543.47	0.1635	Pulse	0.1000	3
Zn	66	72	He	213.930	ppb	3.3	65248.11	0.6917	Pulse	0.1000	3
As	75	72	He	1.479	ppb	2.0	412.01	0.0044	Pulse	0.5000	3
Sr	88	72	He	21.893	ppb	2.5	27647.54	0.2931	Pulse	0.1000	3
Mo	98	72	He	1.642	ppb	10.2	3240.49	0.0343	Pulse	0.1000	3
Ag	107	115	He	0.034	ppb	12.9	166.68	0.0020	Pulse	0.1000	3
Cd	111	115	He	1.020	ppb	12.1	495.35	0.0060	Pulse	0.5000	3
Sn	120	115	He	0.204	ppb	106.1	5027.72	0.0607	Pulse	0.1000	3
Sb	121	115	He	6.302	ppb	0.7	8923.17	0.1077	Pulse	0.1000	3
Ba	137	115	He	17.807	ppb	5.9	9283.46	0.1121	Pulse	0.1000	3
Tl	205	209	He	0.180	ppb	7.5	1163.43	0.0078	Pulse	0.1000	3
Pb	208	209	He	0.348	ppb	6.6	3120.27	0.0209	Pulse	0.1000	3
U	238	209	He	0.585	ppb	4.3	4697.70	0.0315	Pulse	0.1000	3

ISTD Table:

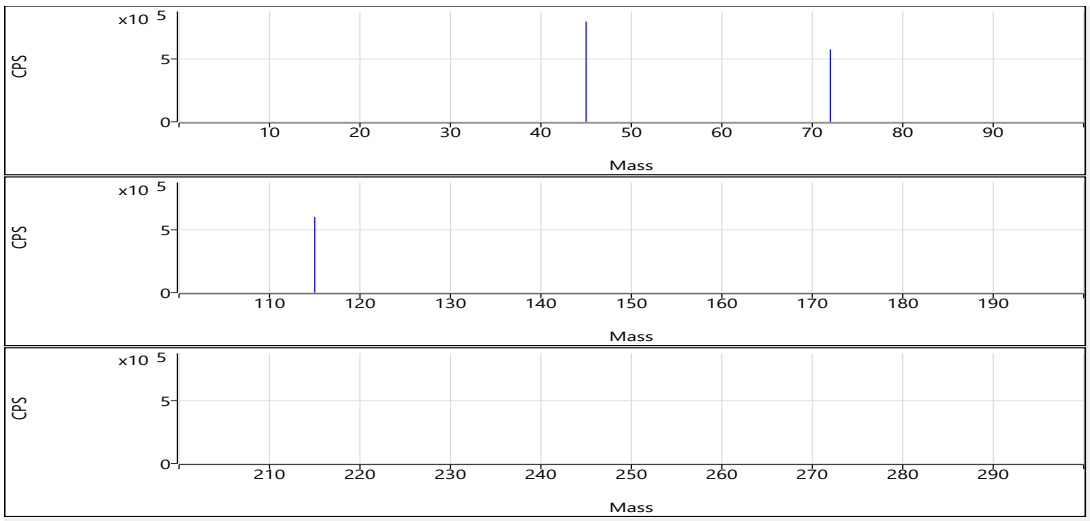
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	706835.77	0.6	103.4	Pulse	0.1000	3
No Gas	Ge	72	363223.77	1.0	100.4	Pulse	0.1000	3
H2	Sc	45	793295.98	0.7	102.6	Pulse	0.1000	3
H2	Ge	72	573329.68	0.1	105.4	Pulse	0.1000	3
H2	In	115	599442.83	0.7	108.7	Pulse	0.1000	3
He	Sc	45	59976.83	0.4	107.5	Pulse	0.1000	3
He	Ge	72	94348.00	1.3	105.6	Pulse	0.1000	3
He	In	115	82829.64	1.0	109.1	Pulse	0.1000	3
He	Tb	159	238612.09	0.8	108.6	Pulse	0.1000	3
He	Bi	209	149089.30	0.3	108.2	Pulse	0.1000	3

No Gas

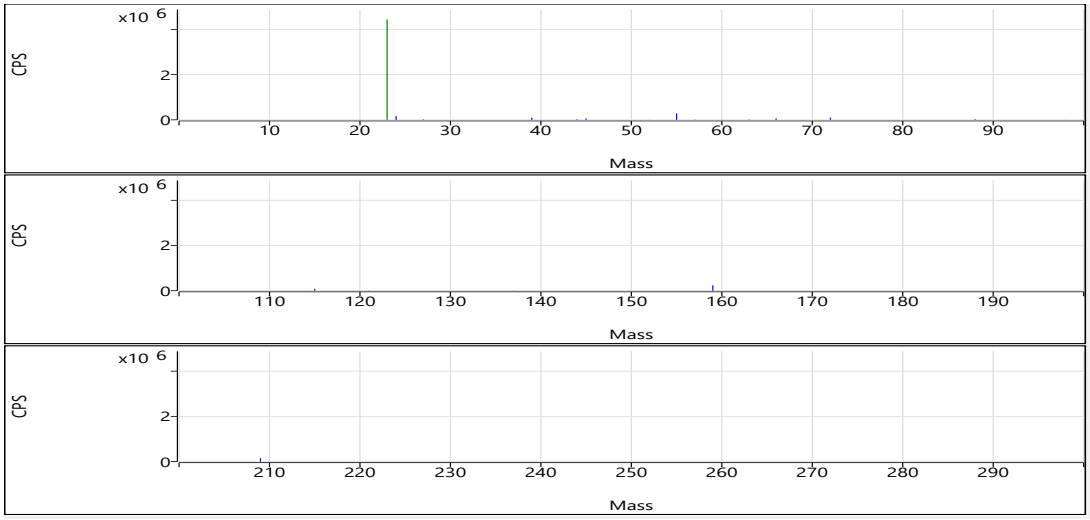


H2



Quantitation Report

He



Quantitation Report

Data File Name	168SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:38:14
Sample Name	410-235307-D-1-A DU
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

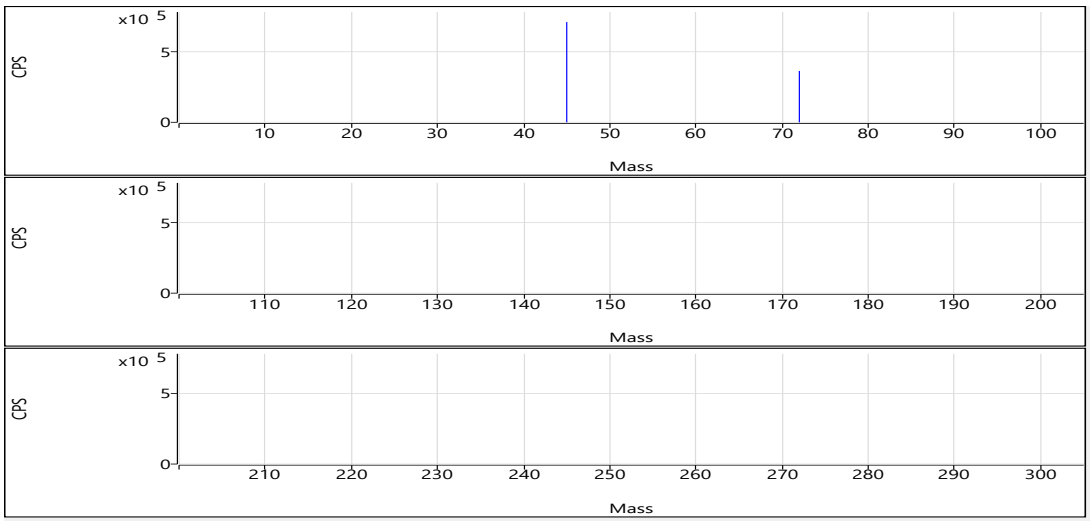
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1.152	ppb	11.2	267.34	0.0004	Pulse	0.5000	3
Se	78	72	H2	0.296	ppb	6.9	74.22	0.0001	Pulse	1.5000	3
Na	23	45	He	19063.014	ppb	0.9	4481760.04	74.9277	Analog	0.1000	3
Mg	24	45	He	1379.618	ppb	1.2	164926.98	2.7574	Pulse	0.1000	3
Al	27	45	He	466.017	ppb	2.9	19687.07	0.3292	Pulse	0.1000	3
K	39	45	He	523.901	ppb	2.9	88902.23	1.4863	Pulse	0.1000	3
Ca	44	45	He	4251.527	ppb	1.4	25372.51	0.4242	Pulse	0.1000	3
Ti	47	45	He	1.613	ppb	26.0	70.00	0.0012	Pulse	0.1000	3
V	51	45	He	0.143	ppb	33.6	1229.40	0.0206	Pulse	0.5000	3
Cr	52	72	He	0.051	ppb	40.4	2186.91	0.0233	Pulse	0.1000	3
Mn	55	45	He	304.169	ppb	0.9	283912.48	4.7466	Pulse	0.1000	3
Fe	57	45	He	276.836	ppb	2.8	10640.92	0.1779	Pulse	0.1000	3
Co	59	72	He	0.282	ppb	8.4	1136.75	0.0121	Pulse	0.1000	3
Ni	60	115	He	3.392	ppb	10.9	4500.88	0.0541	Pulse	0.1000	3
Cu	63	115	He	4.548	ppb	2.1	12409.04	0.1493	Pulse	0.1000	3
Zn	66	72	He	217.826	ppb	1.3	65974.91	0.7043	Pulse	0.1000	3
As	75	72	He	0.802	ppb	5.7	250.00	0.0027	Pulse	0.5000	3
Sr	88	72	He	22.470	ppb	2.9	28168.68	0.3007	Pulse	0.1000	3
Mo	98	72	He	0.579	ppb	12.2	1170.09	0.0125	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	31.8	70.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	1.113	ppb	11.6	542.01	0.0065	Pulse	0.5000	3
Sn	120	115	He	-0.382	ppb	N/A	4107.42	0.0495	Pulse	0.1000	3
Sb	121	115	He	6.177	ppb	1.3	8776.40	0.1056	Pulse	0.1000	3
Ba	137	115	He	17.310	ppb	3.8	9059.91	0.1090	Pulse	0.1000	3
Tl	205	209	He	0.045	ppb	7.1	350.02	0.0023	Pulse	0.1000	3
Pb	208	209	He	0.281	ppb	6.4	2583.54	0.0173	Pulse	0.1000	3
U	238	209	He	0.089	ppb	9.1	823.39	0.0055	Pulse	0.1000	3

ISTD Table:

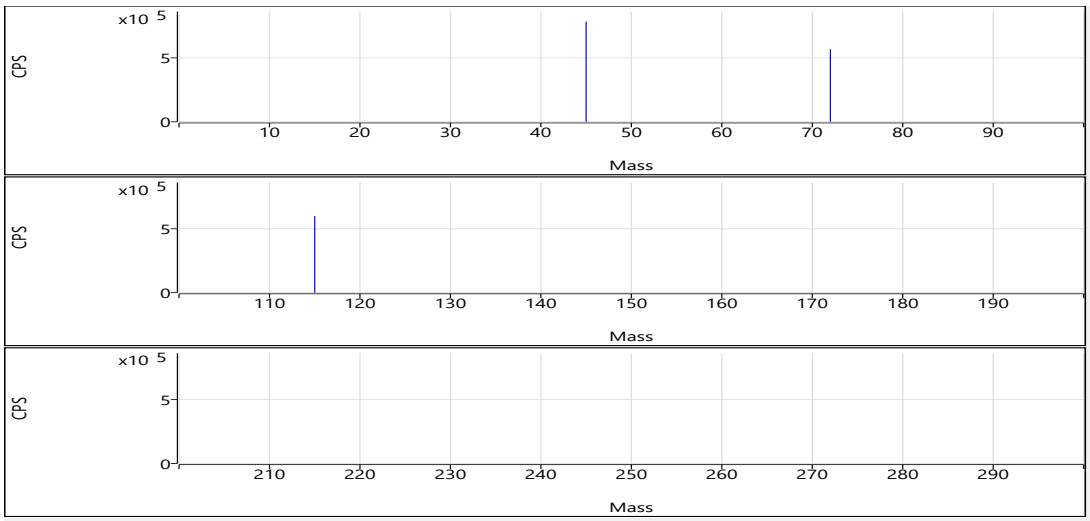
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705372.57	0.7	103.2	Pulse	0.1000	3
No Gas	Ge	72	361351.86	1.1	99.9	Pulse	0.1000	3
H2	Sc	45	781190.69	0.0	101.0	Pulse	0.1000	3
H2	Ge	72	565311.45	0.6	103.9	Pulse	0.1000	3
H2	In	115	596940.34	0.6	108.2	Pulse	0.1000	3
He	Sc	45	59815.86	0.7	107.2	Pulse	0.1000	3
He	Ge	72	93677.86	0.7	104.9	Pulse	0.1000	3
He	In	115	83112.35	1.3	109.5	Pulse	0.1000	3
He	Tb	159	239020.32	0.6	108.7	Pulse	0.1000	3
He	Bi	209	149538.27	0.7	108.5	Pulse	0.1000	3

No Gas

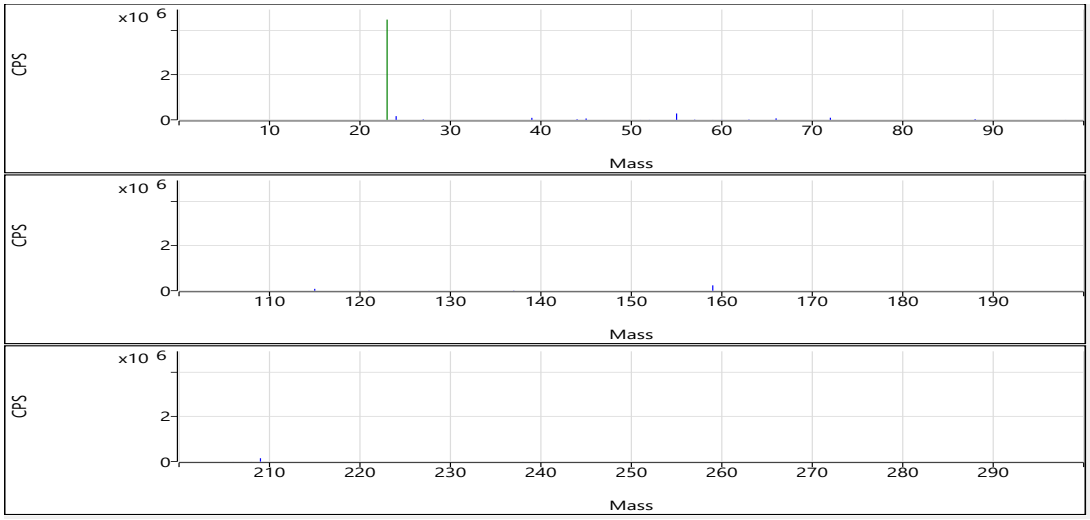


H2



Quantitation Report

He



Quantitation Report

Data File Name	169SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:40:19
Sample Name	410-235307-C-1-A MS
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

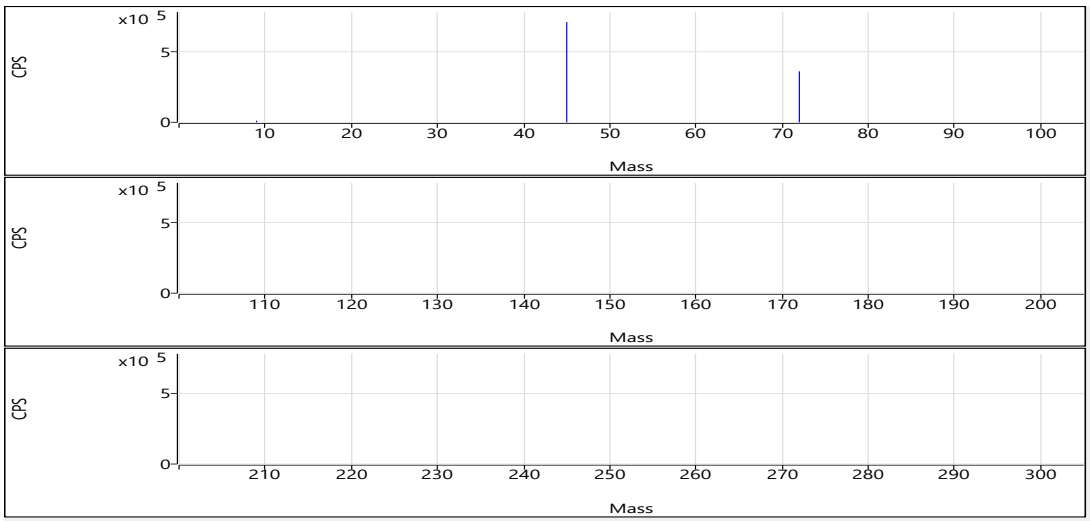
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	53.564	ppb	2.6	11384.36	0.0161	Pulse	0.5000	3
Se	78	72	H2	95.398	ppb	1.7	21370.44	0.0378	Pulse	1.5000	3
Na	23	45	He	23752.857	ppb	1.3	5411348.46	93.2956	Analog	0.1000	3
Mg	24	45	He	6061.551	ppb	0.8	700550.82	12.0782	Pulse	0.1000	3
Al	27	45	He	5184.968	ppb	1.0	210878.00	3.6358	Pulse	0.1000	3
K	39	45	He	5376.467	ppb	0.7	609910.82	10.5155	Pulse	0.1000	3
Ca	44	45	He	8892.585	ppb	1.2	51173.35	0.8823	Pulse	0.1000	3
Ti	47	45	He	486.371	ppb	0.1	19426.77	0.3349	Pulse	0.1000	3
V	51	45	He	470.647	ppb	1.3	716590.77	12.3544	Pulse	0.5000	3
Cr	52	72	He	473.365	ppb	1.3	874937.69	9.4811	Pulse	0.1000	3
Mn	55	45	He	770.704	ppb	0.6	697165.20	12.0199	Pulse	0.1000	3
Fe	57	45	He	4920.710	ppb	2.3	179251.00	3.0903	Pulse	0.1000	3
Co	59	72	He	474.385	ppb	0.9	1564721.75	16.9565	Pulse	0.1000	3
Ni	60	115	He	469.890	ppb	0.5	432108.94	5.4798	Pulse	0.1000	3
Cu	63	115	He	479.382	ppb	1.7	1214222.51	15.4024	Pulse	0.1000	3
Zn	66	72	He	689.695	ppb	1.0	205611.27	2.2279	Pulse	0.1000	3
As	75	72	He	487.283	ppb	0.7	112831.03	1.2227	Pulse	0.5000	3
Sr	88	72	He	67.780	ppb	0.5	83098.96	0.9005	Pulse	0.1000	3
Mo	98	72	He	45.992	ppb	1.4	87232.19	0.9453	Pulse	0.1000	3
Ag	107	115	He	47.783	ppb	1.5	174641.40	2.2152	Pulse	0.1000	3
Cd	111	115	He	48.205	ppb	1.7	22202.86	0.2816	Pulse	0.5000	3
Sn	120	115	He	95.750	ppb	1.7	149002.81	1.8900	Pulse	0.1000	3
Sb	121	115	He	101.645	ppb	3.0	136594.20	1.7330	Pulse	0.1000	3
Ba	137	115	He	500.036	ppb	2.2	245594.39	3.1152	Pulse	0.1000	3
Tl	205	209	He	96.659	ppb	1.4	557865.55	3.9213	Pulse	0.1000	3
Pb	208	209	He	47.594	ppb	1.5	365944.01	2.5722	Pulse	0.1000	3
U	238	209	He	46.767	ppb	1.2	348555.13	2.4501	Pulse	0.1000	3

ISTD Table:

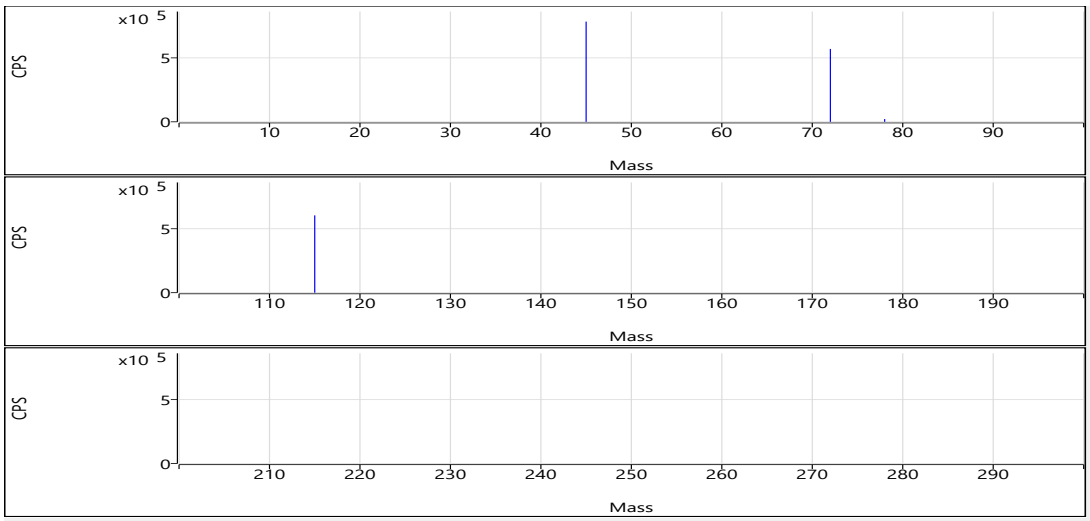
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	708084.86	2.1	103.6	Pulse	0.1000	3
No Gas	Ge	72	359907.60	1.6	99.5	Pulse	0.1000	3
H2	Sc	45	777287.73	1.2	100.5	Pulse	0.1000	3
H2	Ge	72	565221.37	0.1	103.9	Pulse	0.1000	3
H2	In	115	599624.27	0.7	108.7	Pulse	0.1000	3
He	Sc	45	57999.08	0.9	103.9	Pulse	0.1000	3
He	Ge	72	92282.36	1.7	103.3	Pulse	0.1000	3
He	In	115	78860.28	3.1	103.9	Pulse	0.1000	3
He	Tb	159	230681.40	2.3	105.0	Pulse	0.1000	3
He	Bi	209	142262.64	2.1	103.3	Pulse	0.1000	3

No Gas

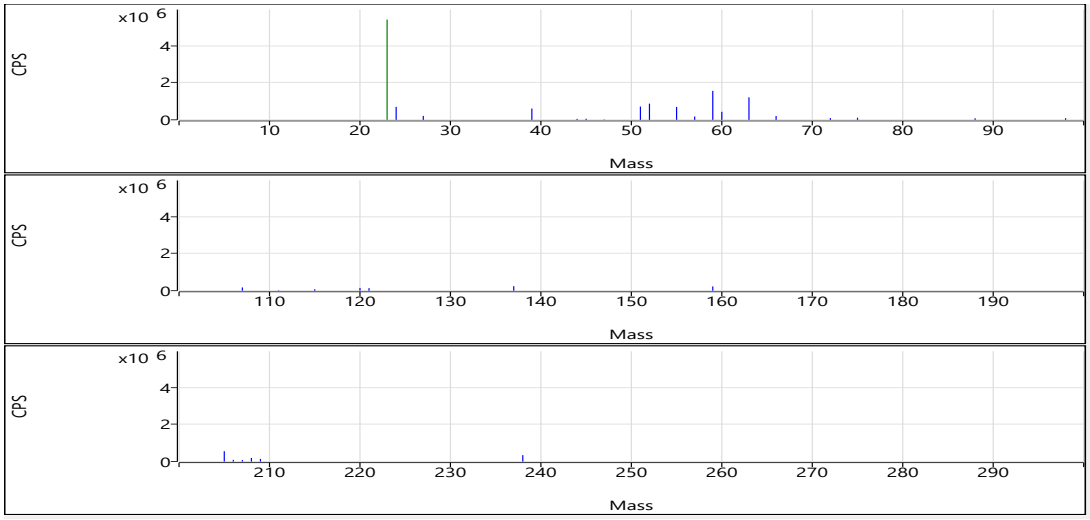


H2



Quantitation Report

He



Quantitation Report

Data File Name	171_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:44:31
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

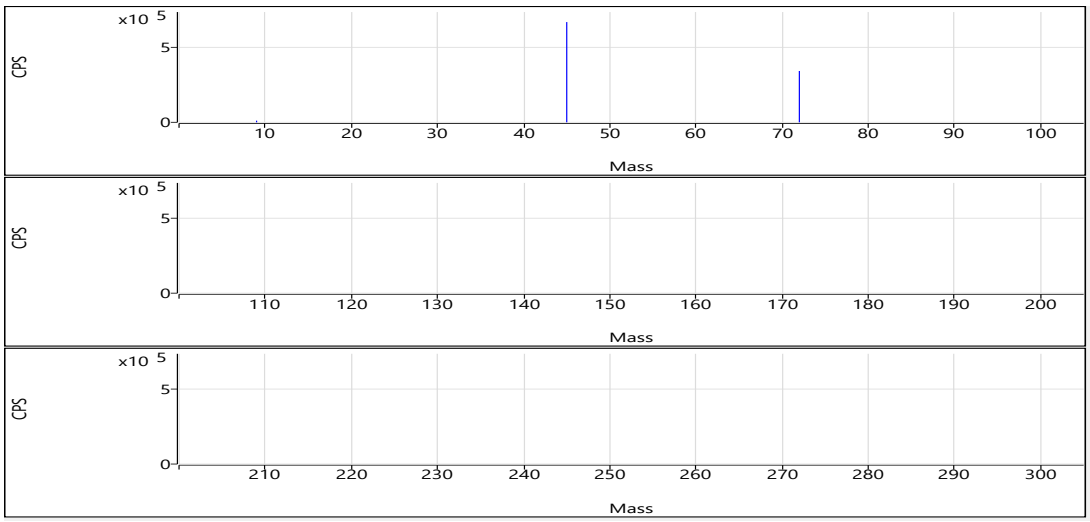
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	54.229	ppb	3.0	10863.30	0.0163	Pulse	0.5000	3
Se	78	72	H2	53.276	ppb	1.1	11451.88	0.0211	Pulse	1.5000	3
Na	23	45	He	5094.771	ppb	1.1	1186183.94	20.2208	Pulse	0.1000	3
Mg	24	45	He	5098.447	ppb	0.3	596064.99	10.1608	Pulse	0.1000	3
Al	27	45	He	5075.500	ppb	0.5	208787.46	3.5591	Pulse	0.1000	3
K	39	45	He	5141.854	ppb	0.5	591258.86	10.0789	Pulse	0.1000	3
Ca	44	45	He	5132.686	ppb	0.4	29984.57	0.5111	Pulse	0.1000	3
Ti	47	45	He	5099.019	ppb	1.1	205957.17	3.5110	Pulse	0.1000	3
V	51	45	He	510.399	ppb	0.7	785861.11	13.3964	Pulse	0.5000	3
Cr	52	72	He	526.844	ppb	1.3	961187.23	10.5497	Pulse	0.1000	3
Mn	55	45	He	511.428	ppb	1.5	467971.78	7.9778	Pulse	0.1000	3
Fe	57	45	He	5104.315	ppb	1.9	188024.58	3.2054	Pulse	0.1000	3
Co	59	72	He	527.322	ppb	1.1	1717309.40	18.8484	Pulse	0.1000	3
Ni	60	115	He	496.573	ppb	1.9	472147.71	5.7901	Pulse	0.1000	3
Cu	63	115	He	496.467	ppb	1.9	1300730.61	15.9512	Pulse	0.1000	3
Zn	66	72	He	528.220	ppb	2.0	155471.77	1.7065	Pulse	0.1000	3
As	75	72	He	535.465	ppb	0.7	122411.40	1.3435	Pulse	0.5000	3
Sr	88	72	He	52.459	ppb	0.6	63572.41	0.6977	Pulse	0.1000	3
Mo	98	72	He	53.358	ppb	0.8	99928.59	1.0966	Pulse	0.1000	3
Ag	107	115	He	50.272	ppb	2.0	190038.87	2.3305	Pulse	0.1000	3
Cd	111	115	He	50.467	ppb	3.4	24035.22	0.2948	Pulse	0.5000	3
Sn	120	115	He	50.147	ppb	2.2	82920.03	1.0169	Pulse	0.1000	3
Sb	121	115	He	51.398	ppb	1.8	71487.91	0.8765	Pulse	0.1000	3
Ba	137	115	He	507.316	ppb	1.5	257742.24	3.1605	Pulse	0.1000	3
Tl	205	209	He	50.952	ppb	2.2	305256.83	2.0673	Pulse	0.1000	3
Pb	208	209	He	50.360	ppb	2.4	401857.07	2.7216	Pulse	0.1000	3
U	238	209	He	50.236	ppb	2.1	388625.60	2.6319	Pulse	0.1000	3

ISTD Table:

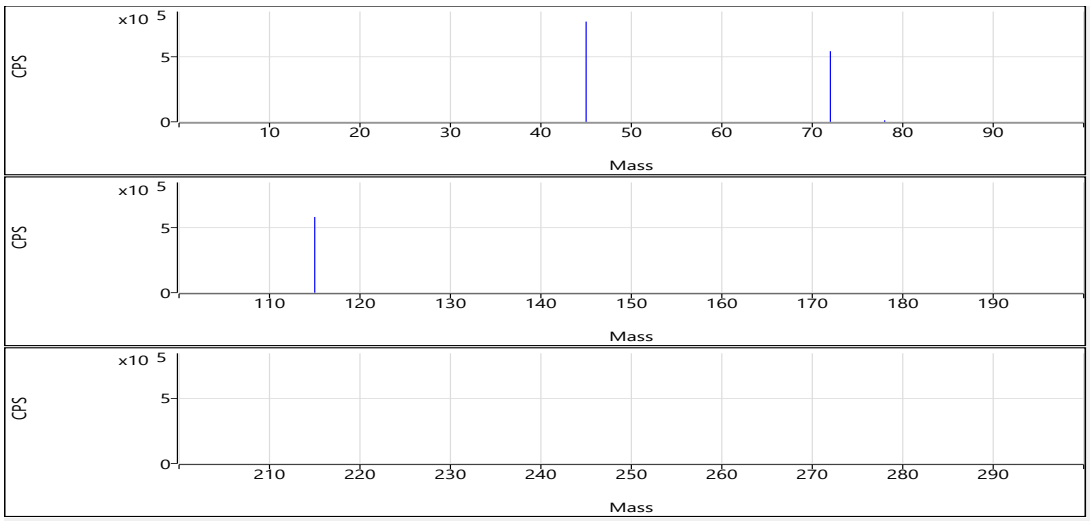
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	667367.67	0.1	97.6	Pulse	0.1000	3
No Gas	Ge	72	341633.94	1.6	94.5	Pulse	0.1000	3
H2	Sc	45	769065.90	2.0	99.4	Pulse	0.1000	3
H2	Ge	72	542149.21	2.2	99.7	Pulse	0.1000	3
H2	In	115	580667.22	2.4	105.3	Pulse	0.1000	3
He	Sc	45	58664.24	0.8	105.1	Pulse	0.1000	3
He	Ge	72	91121.24	1.5	102.0	Pulse	0.1000	3
He	In	115	81568.73	2.4	107.4	Pulse	0.1000	3
He	Tb	159	237756.78	1.7	108.2	Pulse	0.1000	3
He	Bi	209	147718.60	2.8	107.2	Pulse	0.1000	3

No Gas

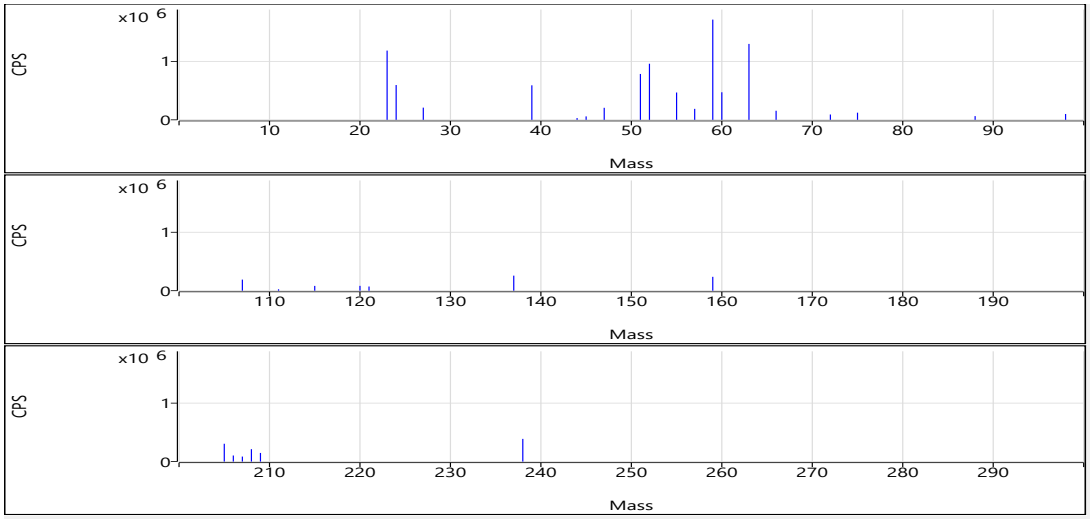


H2



Quantitation Report

He



Quantitation Report

Data File Name	173_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:48:44
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

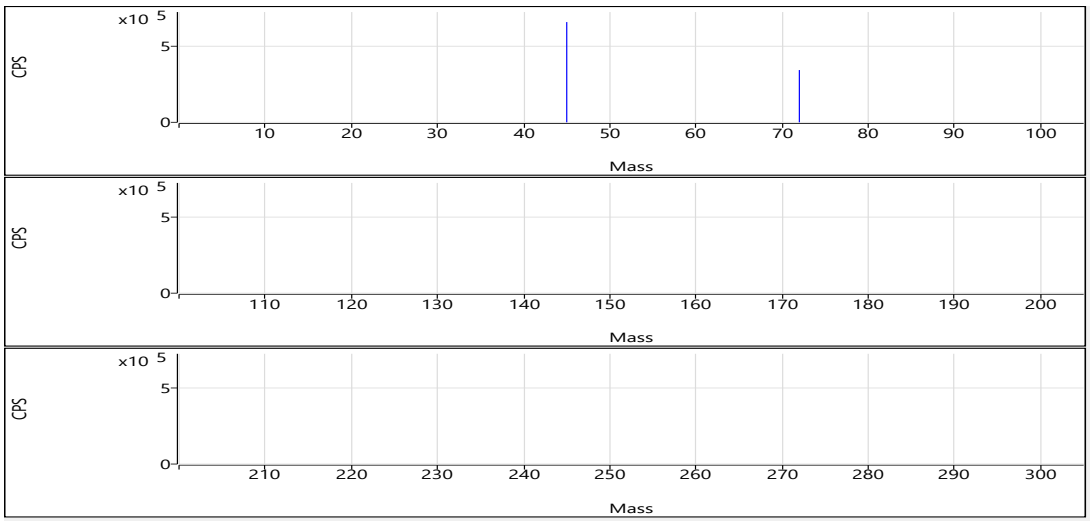
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.003	ppb	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.194	ppb	17.5	50.44	0.0001	Pulse	1.5000	3
Na	23	45	He	24.078	ppb	5.6	21072.16	0.3613	Pulse	0.1000	3
Mg	24	45	He	9.787	ppb	4.8	1766.84	0.0303	Pulse	0.1000	3
Al	27	45	He	3.673	ppb	17.1	303.35	0.0052	Pulse	0.1000	3
K	39	45	He	8.813	ppb	127.4	30796.29	0.5279	Pulse	0.1000	3
Ca	44	45	He	13.715	ppb	135.9	340.02	0.0058	Pulse	0.1000	3
Ti	47	45	He	1.748	ppb	84.7	73.33	0.0013	Pulse	0.1000	3
V	51	45	He	0.386	ppb	9.2	1570.76	0.0269	Pulse	0.5000	3
Cr	52	72	He	0.169	ppb	27.1	2353.61	0.0257	Pulse	0.1000	3
Mn	55	45	He	0.504	ppb	14.8	723.37	0.0124	Pulse	0.1000	3
Fe	57	45	He	2.802	ppb	17.3	353.35	0.0061	Pulse	0.1000	3
Co	59	72	He	0.275	ppb	6.2	1086.75	0.0119	Pulse	0.1000	3
Ni	60	115	He	0.116	ppb	36.4	1263.43	0.0160	Pulse	0.1000	3
Cu	63	115	He	0.287	ppb	9.9	980.07	0.0125	Pulse	0.1000	3
Zn	66	72	He	0.445	ppb	71.1	223.35	0.0024	Pulse	0.1000	3
As	75	72	He	0.505	ppb	36.6	176.00	0.0019	Pulse	0.5000	3
Sr	88	72	He	0.060	ppb	69.5	376.69	0.0041	Pulse	0.1000	3
Mo	98	72	He	0.116	ppb	18.6	273.35	0.0030	Pulse	0.1000	3
Ag	107	115	He	0.029	ppb	28.4	140.01	0.0018	Pulse	0.1000	3
Cd	111	115	He	0.033	ppb	35.4	17.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.119	ppb	63.9	4647.62	0.0590	Pulse	0.1000	3
Sb	121	115	He	0.113	ppb	49.5	176.67	0.0022	Pulse	0.1000	3
Ba	137	115	He	0.348	ppb	28.1	266.68	0.0034	Pulse	0.1000	3
Tl	205	209	He	0.075	ppb	12.0	506.70	0.0035	Pulse	0.1000	3
Pb	208	209	He	0.023	ppb	49.2	486.69	0.0034	Pulse	0.1000	3
U	238	209	He	0.039	ppb	27.1	413.35	0.0029	Pulse	0.1000	3

ISTD Table:

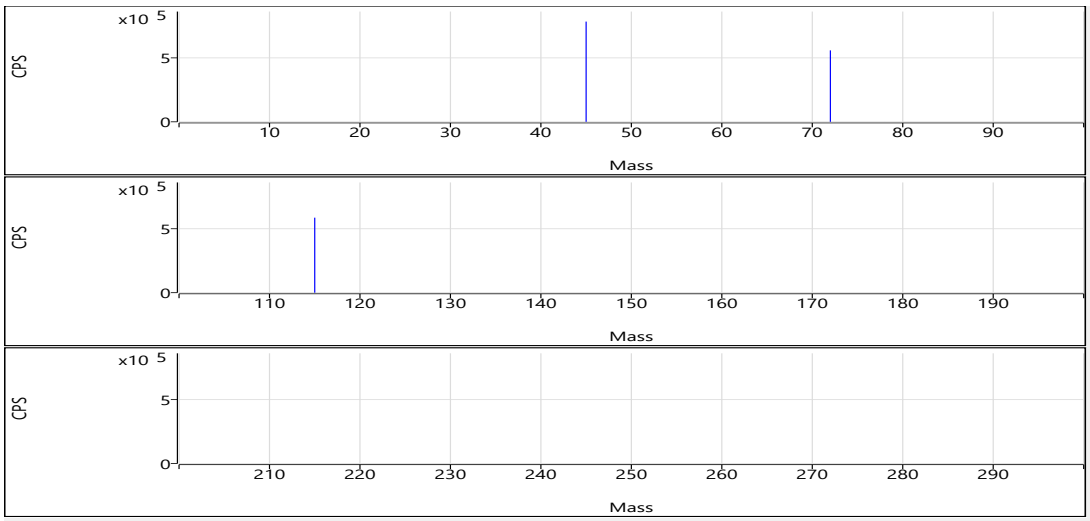
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	660097.67	0.8	96.6	Pulse	0.1000	3
No Gas	Ge	72	344084.37	0.5	95.1	Pulse	0.1000	3
H2	Sc	45	778834.47	1.8	100.7	Pulse	0.1000	3
H2	Ge	72	555107.87	2.0	102.0	Pulse	0.1000	3
H2	In	115	582941.97	1.9	105.7	Pulse	0.1000	3
He	Sc	45	58330.57	0.9	104.5	Pulse	0.1000	3
He	Ge	72	91517.24	0.3	102.5	Pulse	0.1000	3
He	In	115	78745.33	3.1	103.7	Pulse	0.1000	3
He	Tb	159	231831.72	0.2	105.5	Pulse	0.1000	3
He	Bi	209	143289.60	0.9	104.0	Pulse	0.1000	3

No Gas

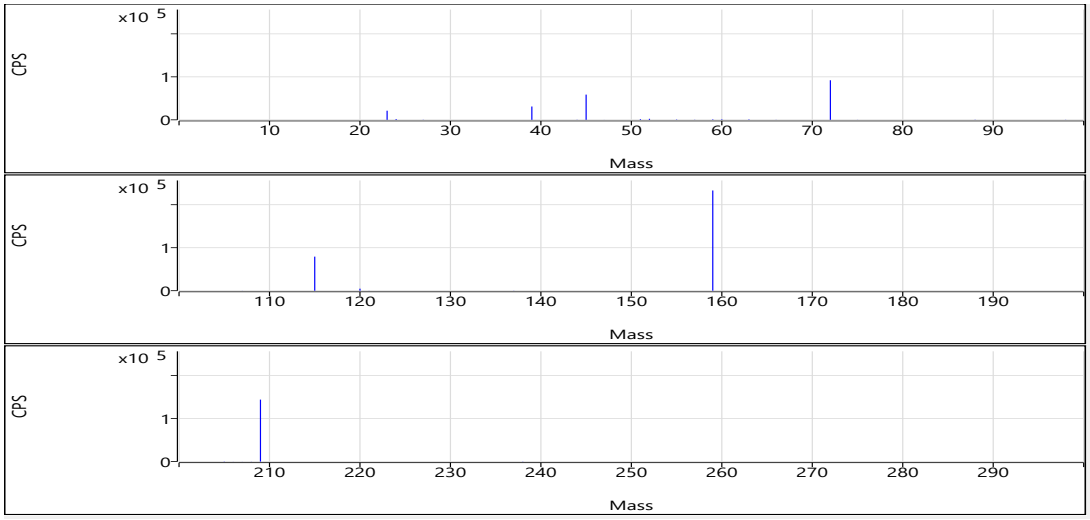


H2



Quantitation Report

He



Quantitation Report

Data File Name	174SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 20:50:50
Sample Name	410-235042-H-1-A
Sample Type	Sample
Comment	MS-I5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

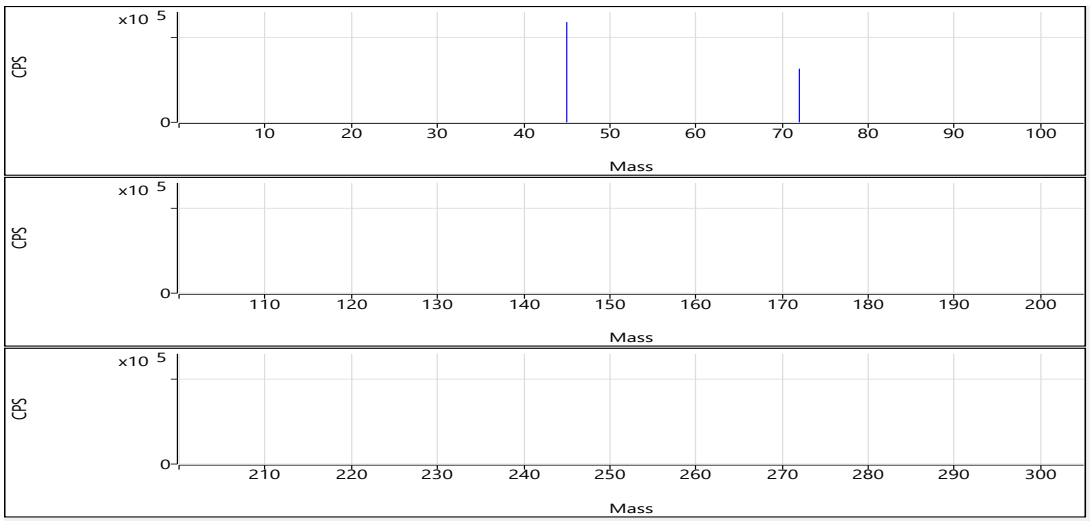
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.021	ppb	273.5	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.905	ppb	2.7	111.11	0.0004	Pulse	1.5000	3
Na	23	45	He	8651070.577	ppb	1.8	1730132614.22	33 882.4054	Analog	0.1000	3
Mg	24	45	He	11728.011	ppb	1.9	1192805.35	23.3590	Pulse	0.1000	3
Al	27	45	He	902.564	ppb	2.5	32426.22	0.6351	Pulse	0.1000	3
K	39	45	He	476657.018	ppb	1.2	45318902.66	887.4255	Analog	0.1000	3
Ca	44	45	He	38880.219	ppb	1.8	196200.76	3.8424	Pulse	0.1000	3
Ti	47	45	He	11.765	ppb	4.1	416.69	0.0082	Pulse	0.1000	3
V	51	45	He	38.487	ppb	2.2	52373.79	1.0257	Pulse	0.5000	3
Cr	52	72	He	88.589	ppb	3.9	129996.51	1.7925	Pulse	0.1000	3
Mn	55	45	He	76.032	ppb	1.6	60764.45	1.1899	Pulse	0.1000	3
Fe	57	45	He	2034.665	ppb	1.0	65384.12	1.2803	Pulse	0.1000	3
Co	59	72	He	12.723	ppb	2.3	33131.90	0.4568	Pulse	0.1000	3
Ni	60	115	He	269.515	ppb	2.2	181398.15	3.1493	Pulse	0.1000	3
Cu	63	115	He	96.115	ppb	1.8	178039.73	3.0908	Pulse	0.1000	3
Zn	66	72	He	947.311	ppb	1.7	221959.51	3.0597	Pulse	0.1000	3
As	75	72	He	8.871	ppb	5.2	1660.78	0.0229	Pulse	0.5000	3
Sr	88	72	He	137.776	ppb	1.3	132543.62	1.8270	Pulse	0.1000	3
Mo	98	72	He	80.643	ppb	2.5	120194.45	1.6570	Pulse	0.1000	3
Ag	107	115	He	0.193	ppb	15.0	540.03	0.0094	Pulse	0.1000	3
Cd	111	115	He	0.243	ppb	9.4	83.33	0.0014	Pulse	0.5000	3
Sn	120	115	He	0.399	ppb	11.6	3710.64	0.0644	Pulse	0.1000	3
Sb	121	115	He	4.832	ppb	5.1	4761.01	0.0827	Pulse	0.1000	3
Ba	137	115	He	5.023	ppb	2.8	1873.52	0.0325	Pulse	0.1000	3
Tl	205	209	He	0.221	ppb	3.6	903.40	0.0095	Pulse	0.1000	3
Pb	208	209	He	6.221	ppb	3.3	32309.99	0.3381	Pulse	0.1000	3
U	238	209	He	0.110	ppb	7.6	630.04	0.0066	Pulse	0.1000	3

ISTD Table:

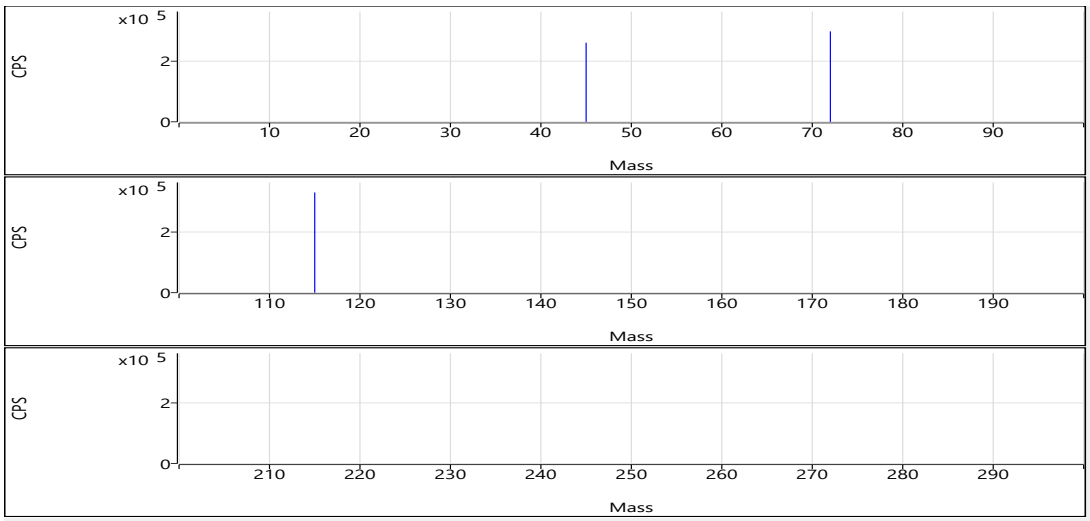
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	591510.75	0.3	86.5	Pulse	0.1000	3
No Gas	Ge	72	316542.50	0.4	87.5	Pulse	0.1000	3
H2	Sc	45	260972.72	1.7	33.7	Pulse	0.1000	3
H2	Ge	72	298361.80	1.2	54.8	Pulse	0.1000	3
H2	In	115	330629.40	0.4	59.9	Pulse	0.1000	3
He	Sc	45	51072.85	1.6	91.5	Pulse	0.1000	3
He	Ge	72	72563.03	2.4	81.2	Pulse	0.1000	3
He	In	115	57613.76	1.9	75.9	Pulse	0.1000	3
He	Tb	159	167354.20	2.2	76.1	Pulse	0.1000	3
He	Bi	209	95529.29	2.5	69.3	Pulse	0.1000	3

No Gas

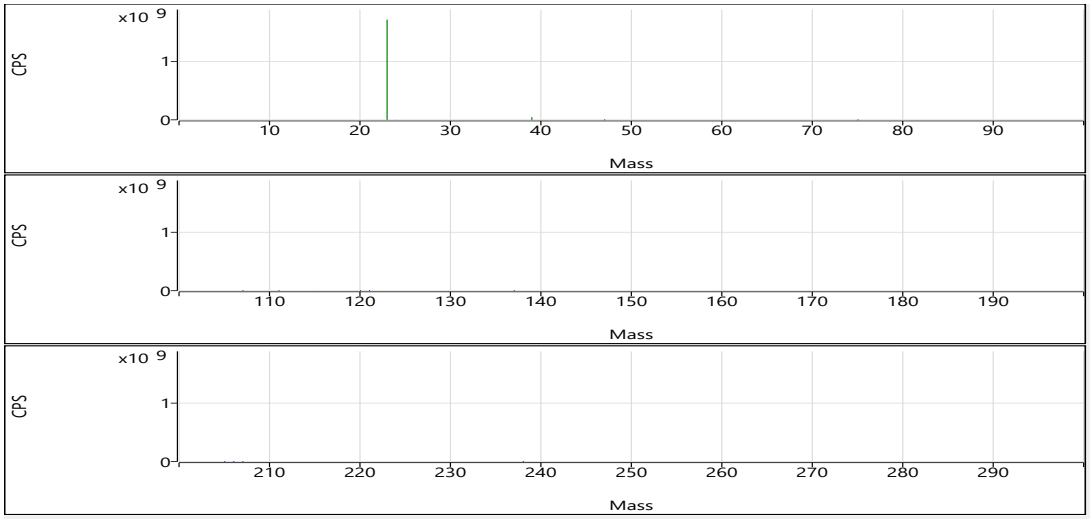


H2



Quantitation Report

He



Quantitation Report

Data File Name	182_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:07:42
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

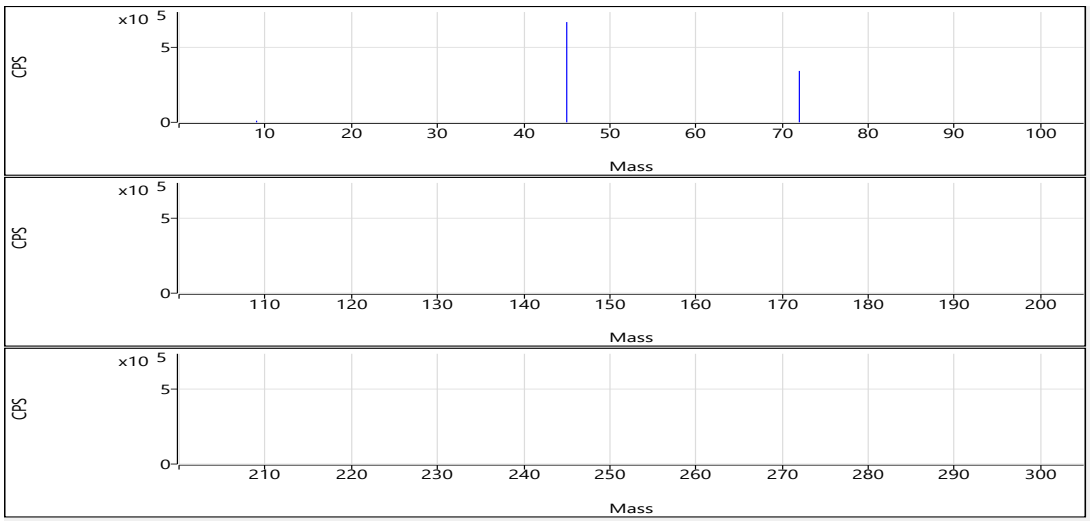
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	52.850	ppb	1.8	10635.15	0.0159	Pulse	0.5000	3
Se	78	72	H2	52.715	ppb	2.0	11474.56	0.0209	Pulse	1.5000	3
Na	23	45	He	5995.216	ppb	1.9	1380004.98	23.7474	Pulse	0.1000	3
Mg	24	45	He	5027.834	ppb	1.6	582318.93	10.0202	Pulse	0.1000	3
Al	27	45	He	5043.188	ppb	2.9	205488.91	3.5364	Pulse	0.1000	3
K	39	45	He	5192.697	ppb	1.8	591207.85	10.1735	Pulse	0.1000	3
Ca	44	45	He	5185.859	ppb	2.9	30004.77	0.5164	Pulse	0.1000	3
Ti	47	45	He	5074.045	ppb	1.7	203032.56	3.4938	Pulse	0.1000	3
V	51	45	He	508.640	ppb	2.4	775766.21	13.3503	Pulse	0.5000	3
Cr	52	72	He	526.774	ppb	0.4	949300.74	10.5483	Pulse	0.1000	3
Mn	55	45	He	509.687	ppb	1.9	462022.99	7.9506	Pulse	0.1000	3
Fe	57	45	He	5008.128	ppb	1.9	182767.44	3.1451	Pulse	0.1000	3
Co	59	72	He	524.710	ppb	0.6	1687860.81	18.7551	Pulse	0.1000	3
Ni	60	115	He	505.640	ppb	0.9	463764.61	5.8956	Pulse	0.1000	3
Cu	63	115	He	503.497	ppb	0.9	1272520.24	16.1771	Pulse	0.1000	3
Zn	66	72	He	520.173	ppb	1.4	151232.80	1.6805	Pulse	0.1000	3
As	75	72	He	528.736	ppb	0.2	119391.14	1.3266	Pulse	0.5000	3
Sr	88	72	He	52.004	ppb	1.2	62243.35	0.6917	Pulse	0.1000	3
Mo	98	72	He	52.271	ppb	0.8	96676.12	1.0742	Pulse	0.1000	3
Ag	107	115	He	50.682	ppb	0.1	184829.94	2.3495	Pulse	0.1000	3
Cd	111	115	He	50.970	ppb	0.6	23421.52	0.2977	Pulse	0.5000	3
Sn	120	115	He	50.228	ppb	1.4	80110.80	1.0184	Pulse	0.1000	3
Sb	121	115	He	50.695	ppb	1.4	67999.81	0.8645	Pulse	0.1000	3
Ba	137	115	He	508.265	ppb	1.0	249077.88	3.1664	Pulse	0.1000	3
Tl	205	209	He	51.049	ppb	0.6	293128.92	2.0712	Pulse	0.1000	3
Pb	208	209	He	50.921	ppb	0.7	389448.16	2.7518	Pulse	0.1000	3
U	238	209	He	50.020	ppb	0.6	370867.82	2.6205	Pulse	0.1000	3

ISTD Table:

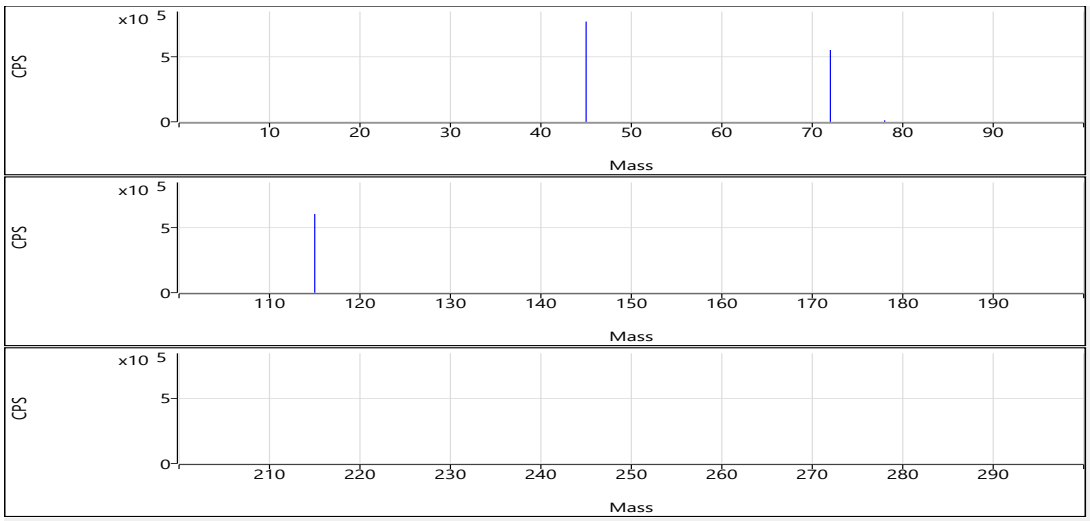
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	670453.79	0.9	98.1	Pulse	0.1000	3
No Gas	Ge	72	343653.30	0.5	95.0	Pulse	0.1000	3
H2	Sc	45	766183.14	0.7	99.1	Pulse	0.1000	3
H2	Ge	72	549219.39	2.5	101.0	Pulse	0.1000	3
H2	In	115	601787.31	2.0	109.1	Pulse	0.1000	3
He	Sc	45	58122.73	1.5	104.1	Pulse	0.1000	3
He	Ge	72	89997.43	0.8	100.8	Pulse	0.1000	3
He	In	115	78666.81	1.0	103.6	Pulse	0.1000	3
He	Tb	159	228809.81	1.2	104.1	Pulse	0.1000	3
He	Bi	209	141523.93	0.3	102.7	Pulse	0.1000	3

No Gas

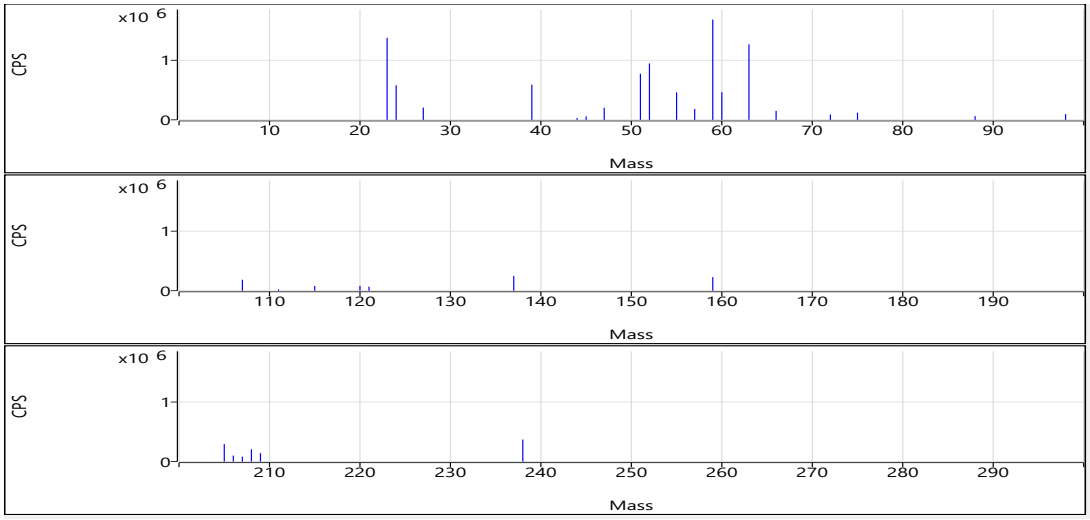


H2



Quantitation Report

He



Quantitation Report

Data File Name	185_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:14:01
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

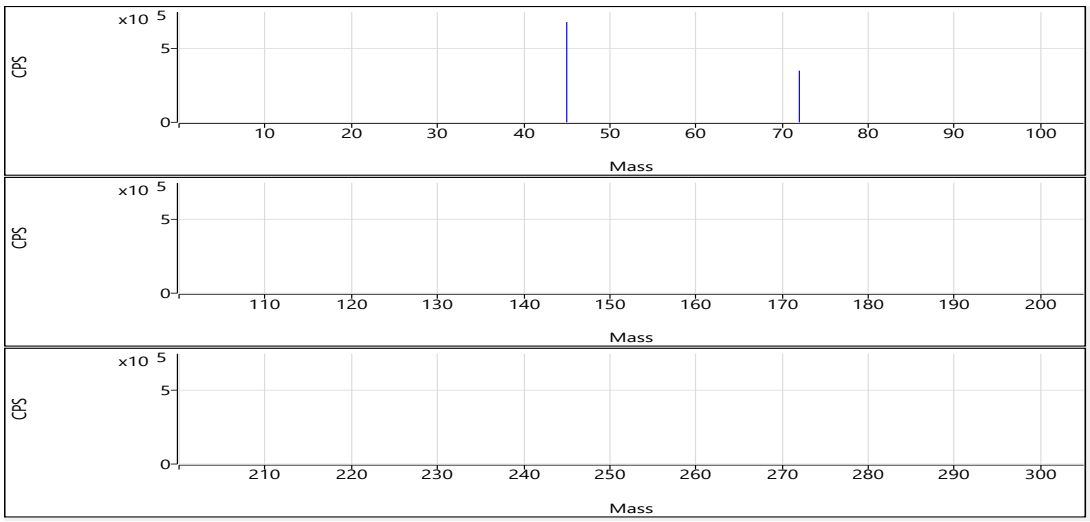
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.035	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.089	ppb	23.6	26.89	0.0000	Pulse	1.5000	3
Na	23	45	He	648.833	ppb	2.3	159321.00	2.8081	Pulse	0.1000	3
Mg	24	45	He	5.640	ppb	5.3	1250.11	0.0220	Pulse	0.1000	3
Al	27	45	He	1.947	ppb	39.5	226.68	0.0040	Pulse	0.1000	3
K	39	45	He	43.350	ppb	37.0	33602.51	0.5922	Pulse	0.1000	3
Ca	44	45	He	7.619	ppb	99.8	296.68	0.0052	Pulse	0.1000	3
Ti	47	45	He	1.703	ppb	29.4	70.00	0.0012	Pulse	0.1000	3
V	51	45	He	0.270	ppb	5.1	1354.74	0.0239	Pulse	0.5000	3
Cr	52	72	He	0.122	ppb	59.2	2233.58	0.0248	Pulse	0.1000	3
Mn	55	45	He	0.240	ppb	15.5	470.02	0.0083	Pulse	0.1000	3
Fe	57	45	He	1.291	ppb	77.4	290.01	0.0051	Pulse	0.1000	3
Co	59	72	He	0.137	ppb	14.8	626.70	0.0070	Pulse	0.1000	3
Ni	60	115	He	0.184	ppb	68.1	1333.44	0.0168	Pulse	0.1000	3
Cu	63	115	He	0.249	ppb	14.6	890.06	0.0113	Pulse	0.1000	3
Zn	66	72	He	0.376	ppb	57.9	200.01	0.0022	Pulse	0.1000	3
As	75	72	He	0.316	ppb	13.7	130.67	0.0014	Pulse	0.5000	3
Sr	88	72	He	0.035	ppb	126.7	340.02	0.0038	Pulse	0.1000	3
Mo	98	72	He	0.021	ppb	38.0	93.33	0.0010	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	94.3	66.67	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.015	ppb	111.6	9.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.081	ppb	50.6	4614.27	0.0583	Pulse	0.1000	3
Sb	121	115	He	0.041	ppb	29.2	80.00	0.0010	Pulse	0.1000	3
Ba	137	115	He	0.257	ppb	36.0	223.34	0.0028	Pulse	0.1000	3
Tl	205	209	He	0.026	ppb	35.9	223.34	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.015	ppb	47.6	420.01	0.0030	Pulse	0.1000	3
U	238	209	He	0.011	ppb	60.4	203.34	0.0014	Pulse	0.1000	3

ISTD Table:

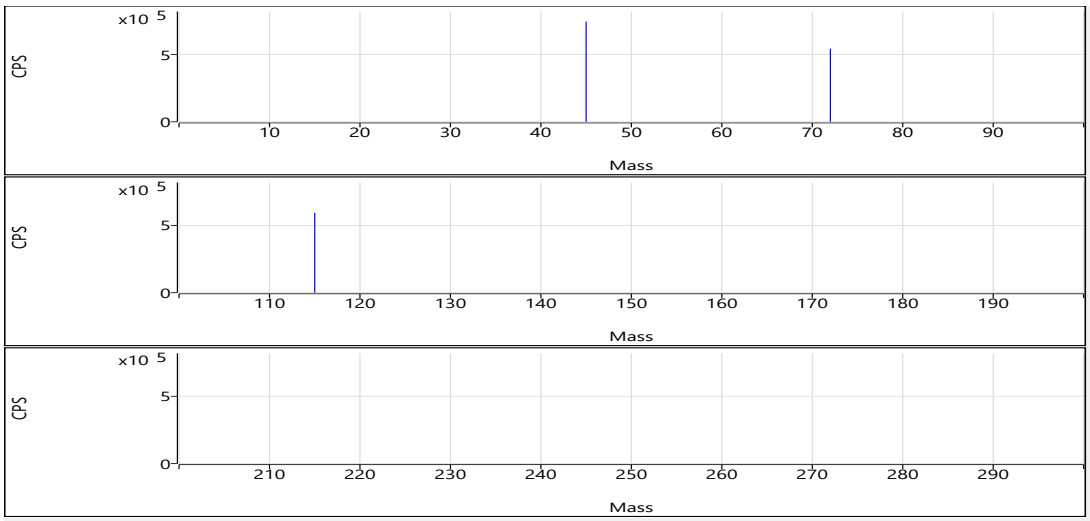
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	675453.56	1.2	98.8	Pulse	0.1000	3
No Gas	Ge	72	347981.13	1.0	96.2	Pulse	0.1000	3
H2	Sc	45	747700.36	0.9	96.7	Pulse	0.1000	3
H2	Ge	72	545813.77	1.1	100.3	Pulse	0.1000	3
H2	In	115	595110.67	1.7	107.9	Pulse	0.1000	3
He	Sc	45	56730.74	0.7	101.6	Pulse	0.1000	3
He	Ge	72	90128.70	0.4	100.9	Pulse	0.1000	3
He	In	115	79147.63	1.6	104.2	Pulse	0.1000	3
He	Tb	159	228940.68	0.8	104.2	Pulse	0.1000	3
He	Bi	209	142334.96	0.6	103.3	Pulse	0.1000	3

No Gas

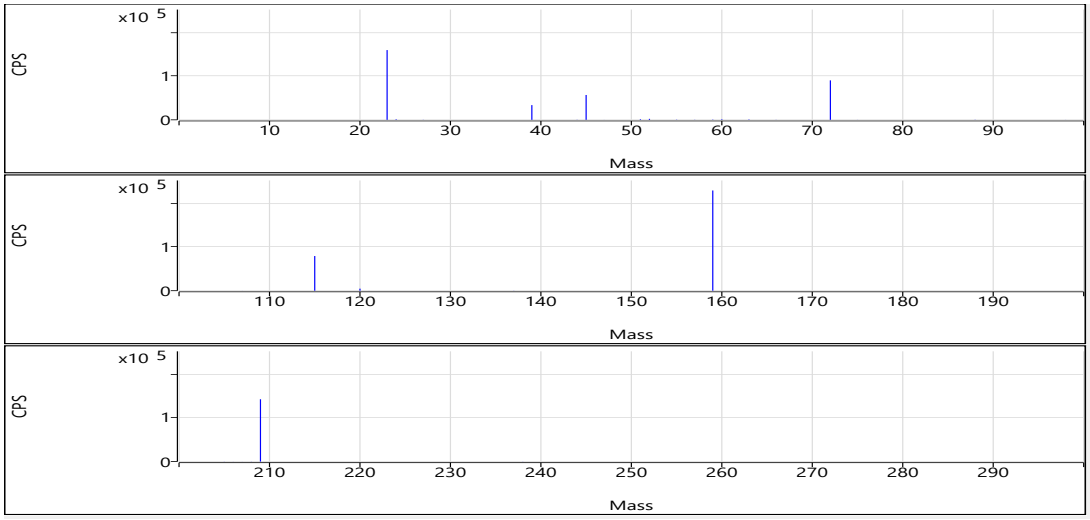


H2



Quantitation Report

He



Quantitation Report

Data File Name	186SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:16:07
Sample Name	410-235528-M-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

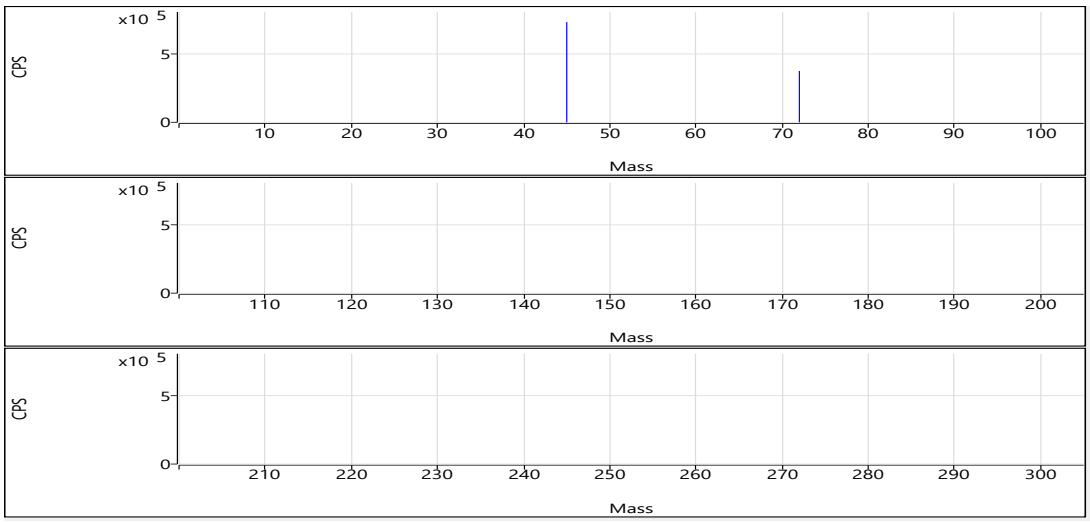
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.022	ppb	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.086	ppb	28.2	28.00	0.0000	Pulse	1.5000	3
Na	23	45	He	11630.628	ppb	2.6	2737327.25	45.8186	Pulse	0.1000	3
Mg	24	45	He	4883.494	ppb	3.3	581452.52	9.7329	Pulse	0.1000	3
Al	27	45	He	3.324	ppb	55.5	296.68	0.0050	Pulse	0.1000	3
K	39	45	He	1343.515	ppb	3.3	179907.26	3.0114	Pulse	0.1000	3
Ca	44	45	He	36281.458	ppb	1.9	214238.28	3.5858	Pulse	0.1000	3
Ti	47	45	He	1.292	ppb	12.1	56.67	0.0009	Pulse	0.1000	3
V	51	45	He	0.123	ppb	39.4	1196.06	0.0200	Pulse	0.5000	3
Cr	52	72	He	0.051	ppb	97.4	2176.91	0.0234	Pulse	0.1000	3
Mn	55	45	He	28.433	ppb	2.3	26755.16	0.4478	Pulse	0.1000	3
Fe	57	45	He	29.524	ppb	13.3	1363.45	0.0228	Pulse	0.1000	3
Co	59	72	He	0.128	ppb	8.0	616.70	0.0066	Pulse	0.1000	3
Ni	60	115	He	0.207	ppb	62.7	1396.78	0.0171	Pulse	0.1000	3
Cu	63	115	He	4.942	ppb	2.4	13233.18	0.1620	Pulse	0.1000	3
Zn	66	72	He	9.716	ppb	6.1	3017.09	0.0324	Pulse	0.1000	3
As	75	72	He	2.819	ppb	5.0	720.02	0.0077	Pulse	0.5000	3
Sr	88	72	He	512.815	ppb	1.5	632958.01	6.7911	Pulse	0.1000	3
Mo	98	72	He	1.392	ppb	2.3	2720.38	0.0292	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	70.0	56.67	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.022	ppb	38.7	12.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.134	ppb	N/A	4427.53	0.0542	Pulse	0.1000	3
Sb	121	115	He	0.071	ppb	13.4	123.34	0.0015	Pulse	0.1000	3
Ba	137	115	He	111.249	ppb	2.3	56697.15	0.6940	Pulse	0.1000	3
Tl	205	209	He	0.019	ppb	45.0	180.01	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.199	ppb	10.6	1840.13	0.0129	Pulse	0.1000	3
U	238	209	He	4.993	ppb	1.8	37572.17	0.2623	Pulse	0.1000	3

ISTD Table:

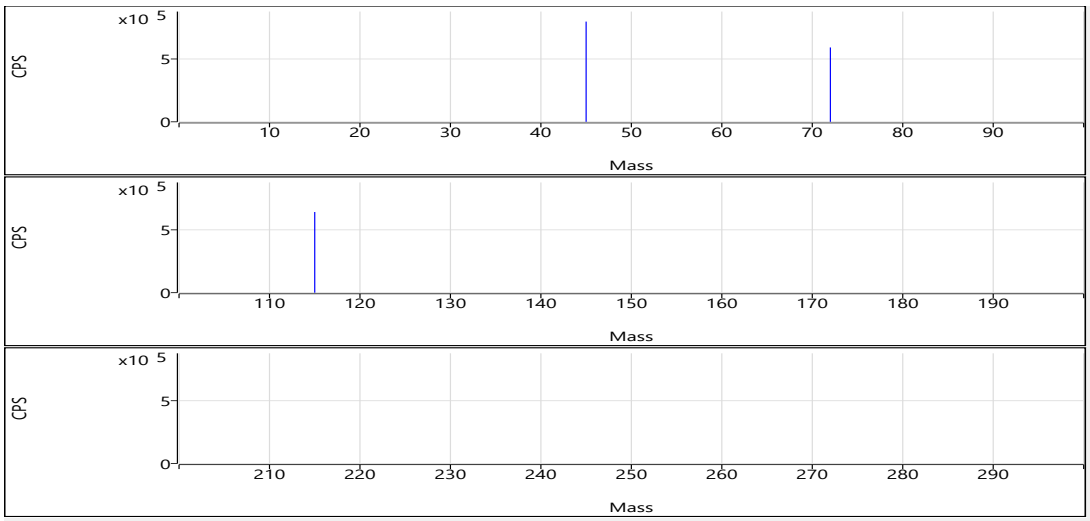
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	728922.23	0.5	106.6	Pulse	0.1000	3
No Gas	Ge	72	373133.43	0.1	103.2	Pulse	0.1000	3
H2	Sc	45	790938.40	0.6	102.3	Pulse	0.1000	3
H2	Ge	72	586852.06	1.0	107.9	Pulse	0.1000	3
H2	In	115	636758.23	0.8	115.4	Pulse	0.1000	3
He	Sc	45	59755.86	1.3	107.1	Pulse	0.1000	3
He	Ge	72	93211.43	0.8	104.4	Pulse	0.1000	3
He	In	115	81710.91	1.7	107.6	Pulse	0.1000	3
He	Tb	159	236409.53	1.4	107.6	Pulse	0.1000	3
He	Bi	209	143252.42	2.2	104.0	Pulse	0.1000	3

No Gas

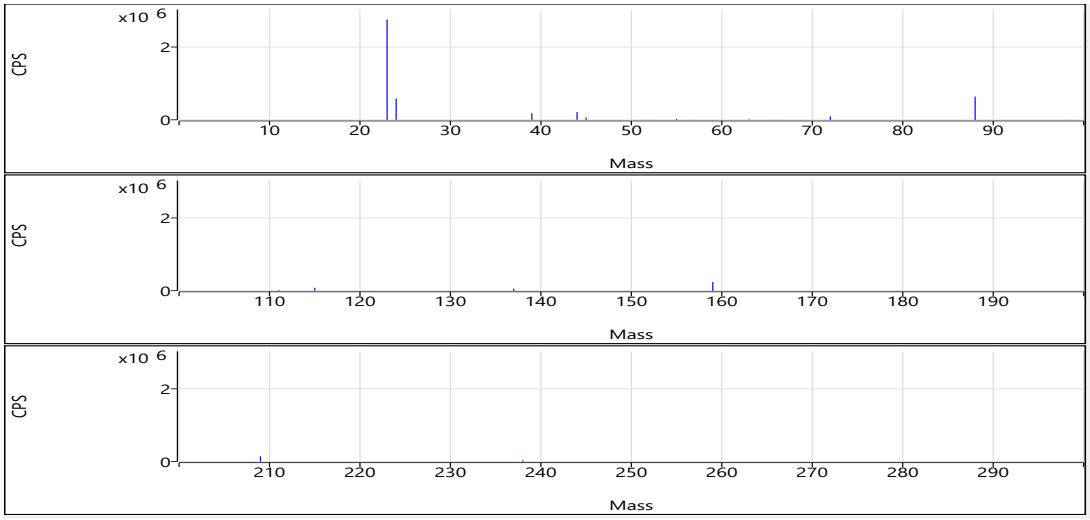


H2



Quantitation Report

He



Quantitation Report

Data File Name	187SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:18:14
Sample Name	410-235528-H-1-A DU
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

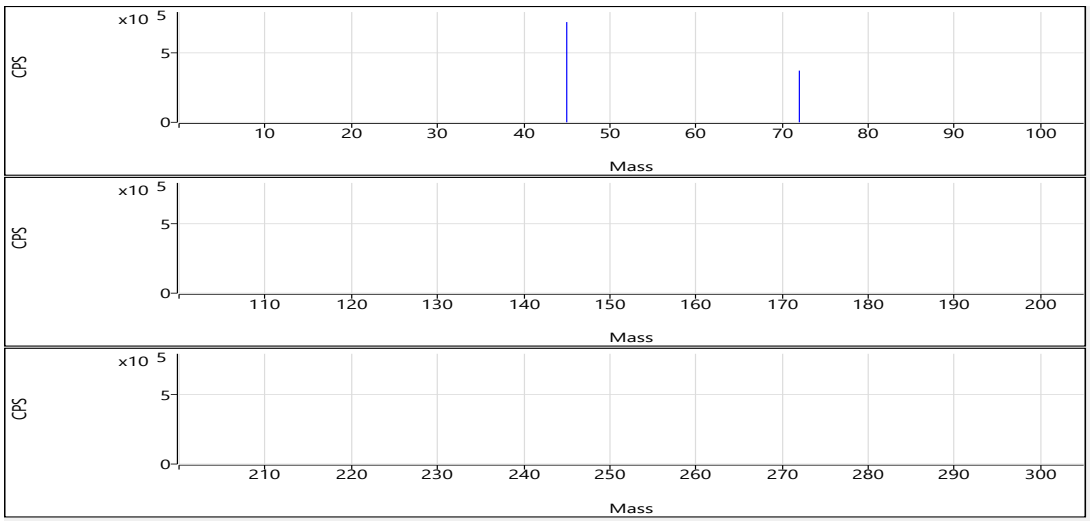
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.002	ppb	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.080	ppb	21.9	25.56	0.0000	Pulse	1.5000	3
Na	23	45	He	11755.360	ppb	1.8	2851212.98	46.3071	Pulse	0.1000	3
Mg	24	45	He	4965.500	ppb	1.9	609322.30	9.8961	Pulse	0.1000	3
Al	27	45	He	4.664	ppb	6.6	363.35	0.0059	Pulse	0.1000	3
K	39	45	He	1354.004	ppb	3.0	186592.59	3.0309	Pulse	0.1000	3
Ca	44	45	He	36961.203	ppb	1.3	224929.73	3.6529	Pulse	0.1000	3
Ti	47	45	He	1.797	ppb	21.3	80.00	0.0013	Pulse	0.1000	3
V	51	45	He	0.091	ppb	34.6	1181.39	0.0192	Pulse	0.5000	3
Cr	52	72	He	-0.122	ppb	N/A	1940.21	0.0199	Pulse	0.1000	3
Mn	55	45	He	22.820	ppb	1.2	22190.90	0.3603	Pulse	0.1000	3
Fe	57	45	He	20.682	ppb	5.0	1063.41	0.0173	Pulse	0.1000	3
Co	59	72	He	0.111	ppb	24.7	586.70	0.0060	Pulse	0.1000	3
Ni	60	115	He	-0.071	ppb	N/A	1176.75	0.0139	Pulse	0.1000	3
Cu	63	115	He	3.268	ppb	2.7	9163.26	0.1082	Pulse	0.1000	3
Zn	66	72	He	8.077	ppb	6.8	2640.34	0.0271	Pulse	0.1000	3
As	75	72	He	2.633	ppb	0.8	708.02	0.0073	Pulse	0.5000	3
Sr	88	72	He	511.869	ppb	2.0	661021.49	6.7786	Pulse	0.1000	3
Mo	98	72	He	1.520	ppb	6.7	3103.78	0.0318	Pulse	0.1000	3
Ag	107	115	He	0.008	ppb	35.6	70.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.028	ppb	41.1	16.00	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.392	ppb	N/A	4167.41	0.0493	Pulse	0.1000	3
Sb	121	115	He	0.075	ppb	30.0	133.34	0.0016	Pulse	0.1000	3
Ba	137	115	He	113.604	ppb	1.3	60018.46	0.7087	Pulse	0.1000	3
Tl	205	209	He	0.019	ppb	32.7	190.01	0.0013	Pulse	0.1000	3
Pb	208	209	He	0.115	ppb	4.0	1226.75	0.0084	Pulse	0.1000	3
U	238	209	He	5.083	ppb	2.5	39166.60	0.2671	Pulse	0.1000	3

ISTD Table:

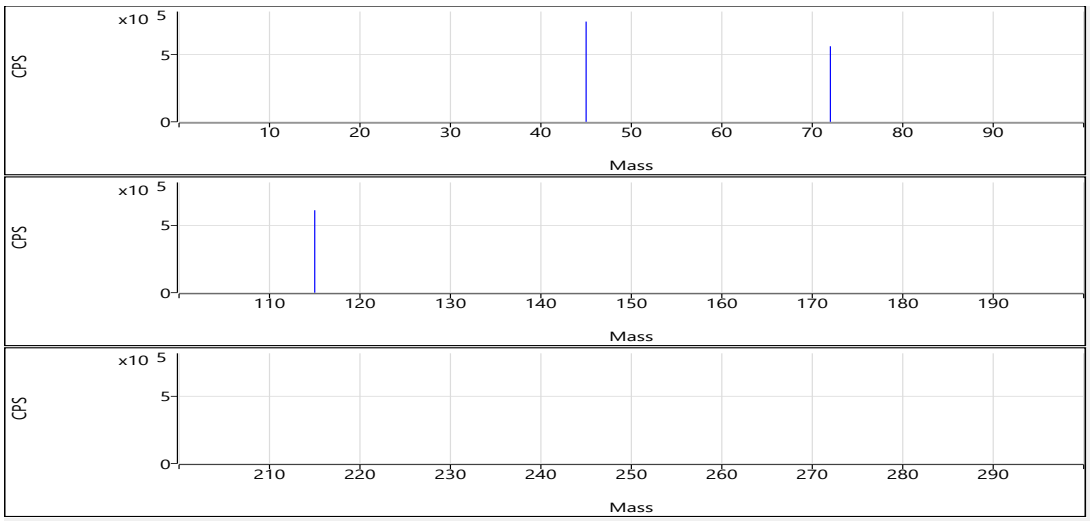
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	715930.41	0.3	104.7	Pulse	0.1000	3
No Gas	Ge	72	369135.97	0.6	102.1	Pulse	0.1000	3
H2	Sc	45	742281.03	1.9	96.0	Pulse	0.1000	3
H2	Ge	72	559622.82	0.9	102.9	Pulse	0.1000	3
H2	In	115	610598.30	0.7	110.7	Pulse	0.1000	3
He	Sc	45	61586.60	2.3	110.3	Pulse	0.1000	3
He	Ge	72	97522.24	1.0	109.2	Pulse	0.1000	3
He	In	115	84710.54	3.1	111.6	Pulse	0.1000	3
He	Tb	159	239136.27	1.5	108.8	Pulse	0.1000	3
He	Bi	209	146669.13	0.9	106.5	Pulse	0.1000	3

No Gas

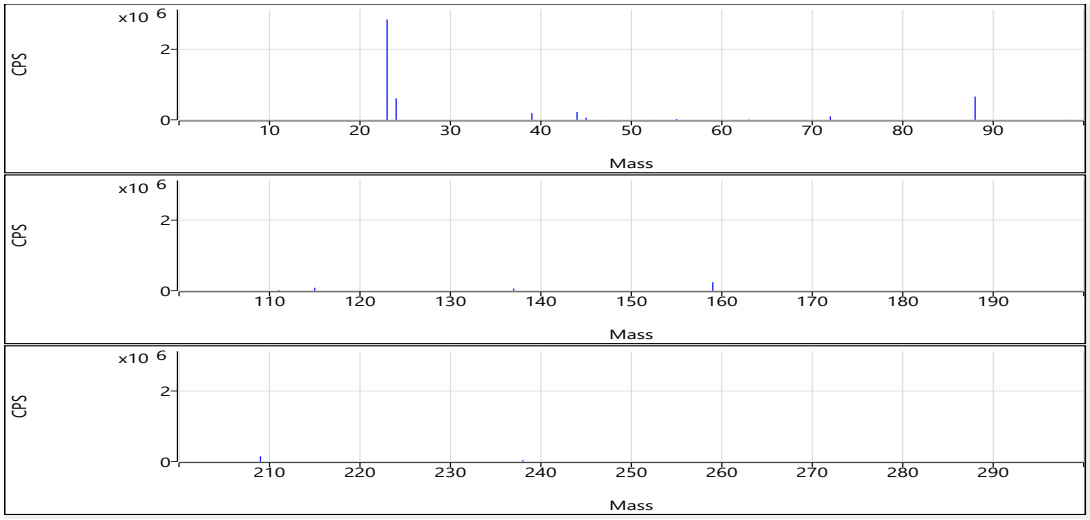


H2



Quantitation Report

He



Quantitation Report

Data File Name	188SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:20:20
Sample Name	410-235528-H-1-B MS
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

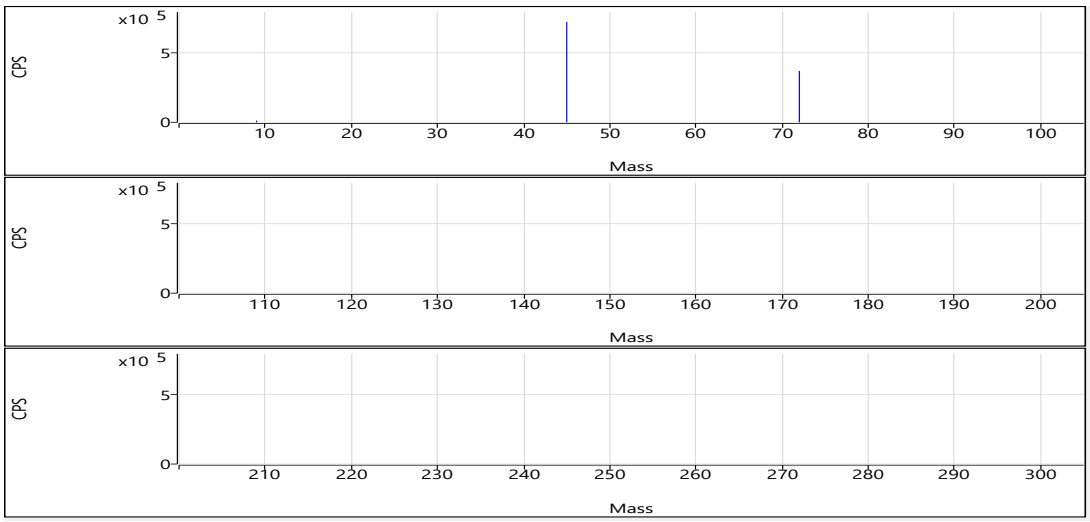
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	56.158	ppb	2.0	12091.57	0.0169	Pulse	0.5000	3
Se	78	72	H2	96.236	ppb	1.1	21915.49	0.0381	Pulse	1.5000	3
Na	23	45	He	16573.377	ppb	1.9	3935358.17	65.1770	Pulse	0.1000	3
Mg	24	45	He	9656.363	ppb	1.8	1161418.08	19.2347	Pulse	0.1000	3
Al	27	45	He	4729.234	ppb	0.4	200307.03	3.3164	Pulse	0.1000	3
K	39	45	He	6262.728	ppb	2.1	734474.34	12.1645	Pulse	0.1000	3
Ca	44	45	He	42033.167	ppb	1.7	250801.99	4.1536	Pulse	0.1000	3
Ti	47	45	He	495.862	ppb	5.5	20608.41	0.3415	Pulse	0.1000	3
V	51	45	He	473.625	ppb	1.8	750686.92	12.4324	Pulse	0.5000	3
Cr	52	72	He	484.584	ppb	1.0	914886.03	9.7052	Pulse	0.1000	3
Mn	55	45	He	498.808	ppb	1.0	469875.06	7.7810	Pulse	0.1000	3
Fe	57	45	He	4763.752	ppb	1.3	180670.18	2.9918	Pulse	0.1000	3
Co	59	72	He	485.454	ppb	0.6	1635737.48	17.3521	Pulse	0.1000	3
Ni	60	115	He	471.568	ppb	1.2	448046.71	5.4993	Pulse	0.1000	3
Cu	63	115	He	473.654	ppb	1.7	1239829.38	15.2184	Pulse	0.1000	3
Zn	66	72	He	496.934	ppb	1.1	151345.29	1.6055	Pulse	0.1000	3
As	75	72	He	505.573	ppb	1.0	119580.22	1.2685	Pulse	0.5000	3
Sr	88	72	He	573.965	ppb	0.9	716478.04	7.6005	Pulse	0.1000	3
Mo	98	72	He	49.048	ppb	1.2	95025.30	1.0080	Pulse	0.1000	3
Ag	107	115	He	48.388	ppb	2.7	182728.96	2.2432	Pulse	0.1000	3
Cd	111	115	He	48.129	ppb	1.4	22905.32	0.2811	Pulse	0.5000	3
Sn	120	115	He	96.181	ppb	0.2	154670.82	1.8983	Pulse	0.1000	3
Sb	121	115	He	97.334	ppb	0.8	135214.43	1.6595	Pulse	0.1000	3
Ba	137	115	He	601.506	ppb	1.2	305282.42	3.7471	Pulse	0.1000	3
Tl	205	209	He	97.643	ppb	1.3	576354.99	3.9612	Pulse	0.1000	3
Pb	208	209	He	48.655	ppb	1.1	382596.10	2.6295	Pulse	0.1000	3
U	238	209	He	52.917	ppb	1.3	403390.50	2.7723	Pulse	0.1000	3

ISTD Table:

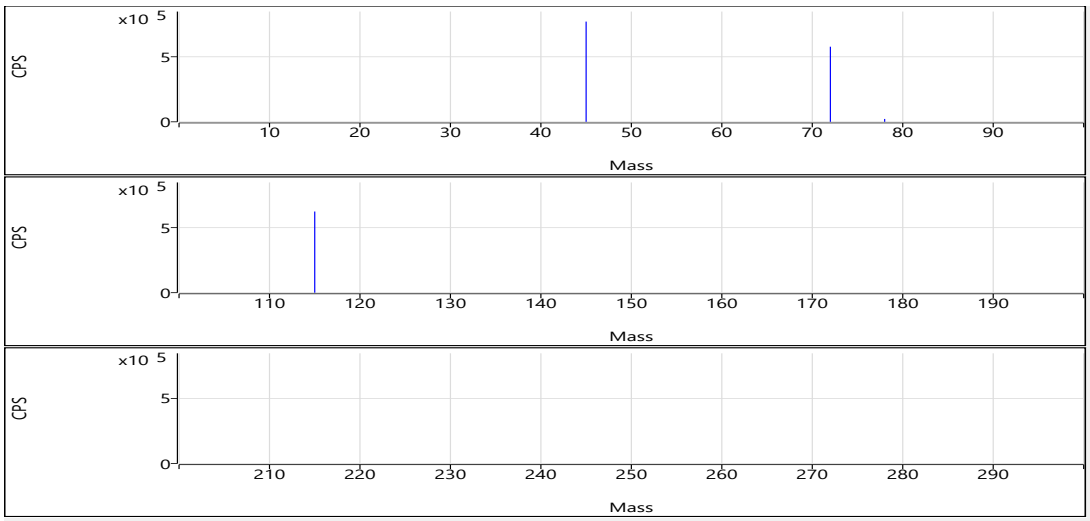
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	717352.49	0.8	104.9	Pulse	0.1000	3
No Gas	Ge	72	367495.33	0.4	101.6	Pulse	0.1000	3
H2	Sc	45	766729.75	1.4	99.1	Pulse	0.1000	3
H2	Ge	72	574562.87	2.0	105.6	Pulse	0.1000	3
H2	In	115	621022.62	1.5	112.6	Pulse	0.1000	3
He	Sc	45	60395.30	2.1	108.2	Pulse	0.1000	3
He	Ge	72	94267.57	0.1	105.5	Pulse	0.1000	3
He	In	115	81481.13	1.5	107.3	Pulse	0.1000	3
He	Tb	159	239416.57	0.4	108.9	Pulse	0.1000	3
He	Bi	209	145510.58	1.1	105.6	Pulse	0.1000	3

No Gas

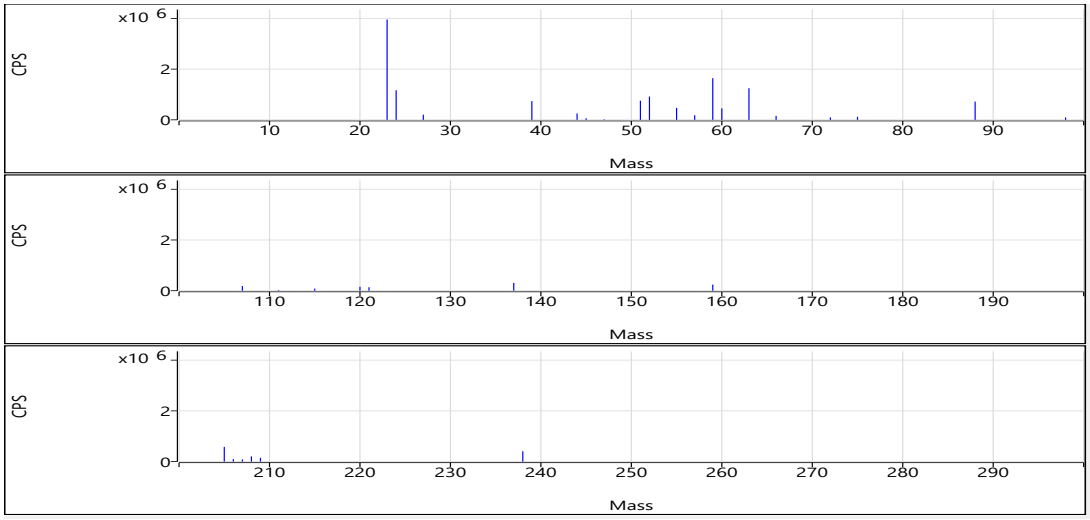


H2



Quantitation Report

He



Quantitation Report

Data File Name	189SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:22:26
Sample Name	410-235529-M-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

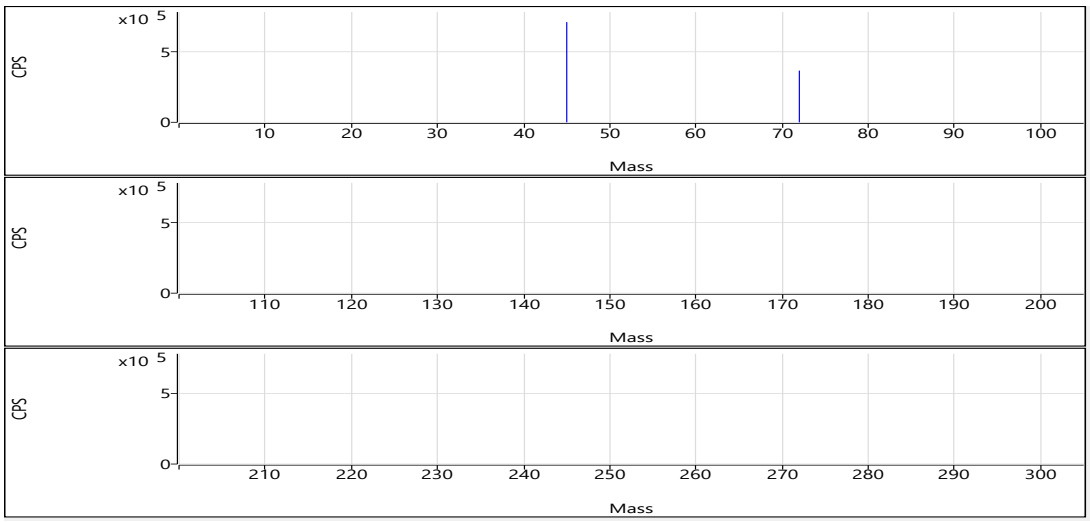
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.004	ppb	1209.9	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.097	ppb	4.2	253.12	0.0004	Pulse	1.5000	3
Na	23	45	He	11352.417	ppb	2.1	2618263.45	44.7290	Pulse	0.1000	3
Mg	24	45	He	5058.361	ppb	1.8	590117.02	10.0810	Pulse	0.1000	3
Al	27	45	He	15.417	ppb	7.4	786.72	0.0134	Pulse	0.1000	3
K	39	45	He	1358.622	ppb	3.1	177923.22	3.0395	Pulse	0.1000	3
Ca	44	45	He	36280.007	ppb	2.0	209904.77	3.5857	Pulse	0.1000	3
Ti	47	45	He	2.727	ppb	29.5	113.34	0.0019	Pulse	0.1000	3
V	51	45	He	0.791	ppb	3.8	2198.18	0.0375	Pulse	0.5000	3
Cr	52	72	He	0.647	ppb	9.2	3237.15	0.0353	Pulse	0.1000	3
Mn	55	45	He	271.373	ppb	3.1	247887.66	4.2353	Pulse	0.1000	3
Fe	57	45	He	65.598	ppb	0.9	2660.35	0.0454	Pulse	0.1000	3
Co	59	72	He	0.653	ppb	13.5	2330.28	0.0254	Pulse	0.1000	3
Ni	60	115	He	0.908	ppb	22.9	1973.54	0.0253	Pulse	0.1000	3
Cu	63	115	He	5.457	ppb	2.2	13953.81	0.1786	Pulse	0.1000	3
Zn	66	72	He	5.222	ppb	6.3	1640.14	0.0179	Pulse	0.1000	3
As	75	72	He	3.342	ppb	3.4	830.03	0.0090	Pulse	0.5000	3
Sr	88	72	He	571.392	ppb	0.9	694759.63	7.5664	Pulse	0.1000	3
Mo	98	72	He	2.635	ppb	6.4	5024.39	0.0547	Pulse	0.1000	3
Ag	107	115	He	0.050	ppb	29.8	216.68	0.0028	Pulse	0.1000	3
Cd	111	115	He	0.080	ppb	35.3	38.67	0.0005	Pulse	0.5000	3
Sn	120	115	He	0.513	ppb	39.0	5204.47	0.0666	Pulse	0.1000	3
Sb	121	115	He	0.305	ppb	19.8	430.02	0.0055	Pulse	0.1000	3
Ba	137	115	He	192.109	ppb	3.2	93583.63	1.1976	Pulse	0.1000	3
Tl	205	209	He	0.312	ppb	9.4	1860.19	0.0132	Pulse	0.1000	3
Pb	208	209	He	0.271	ppb	7.3	2366.84	0.0168	Pulse	0.1000	3
U	238	209	He	3.709	ppb	0.8	27563.43	0.1951	Pulse	0.1000	3

ISTD Table:

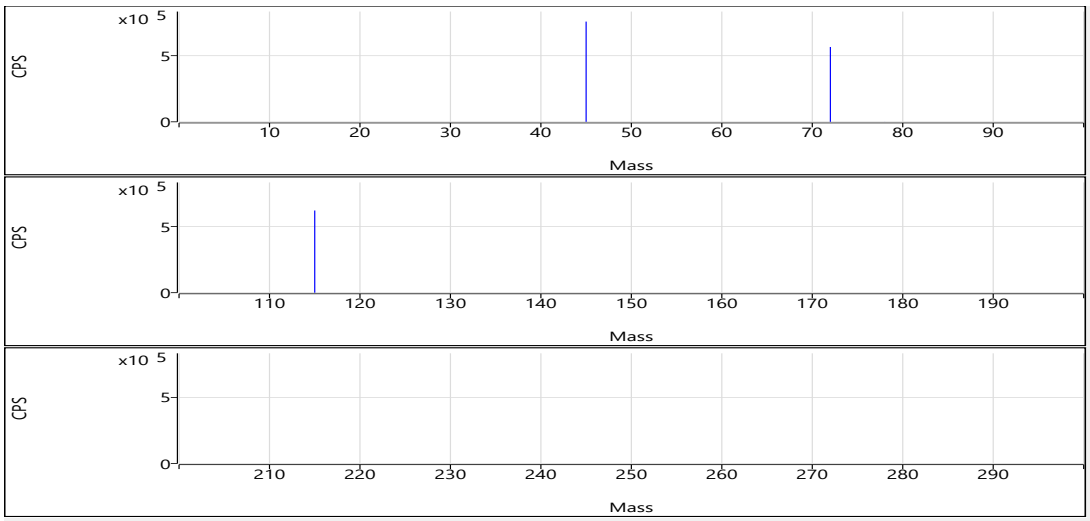
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	713496.81	1.3	104.4	Pulse	0.1000	3
No Gas	Ge	72	367957.20	1.1	101.7	Pulse	0.1000	3
H2	Sc	45	756014.78	0.5	97.7	Pulse	0.1000	3
H2	Ge	72	564440.64	0.6	103.8	Pulse	0.1000	3
H2	In	115	619942.56	2.0	112.4	Pulse	0.1000	3
He	Sc	45	58544.63	1.3	104.9	Pulse	0.1000	3
He	Ge	72	91826.73	1.2	102.8	Pulse	0.1000	3
He	In	115	78144.81	0.5	102.9	Pulse	0.1000	3
He	Tb	159	226840.44	2.0	103.2	Pulse	0.1000	3
He	Bi	209	141295.17	1.4	102.6	Pulse	0.1000	3

No Gas

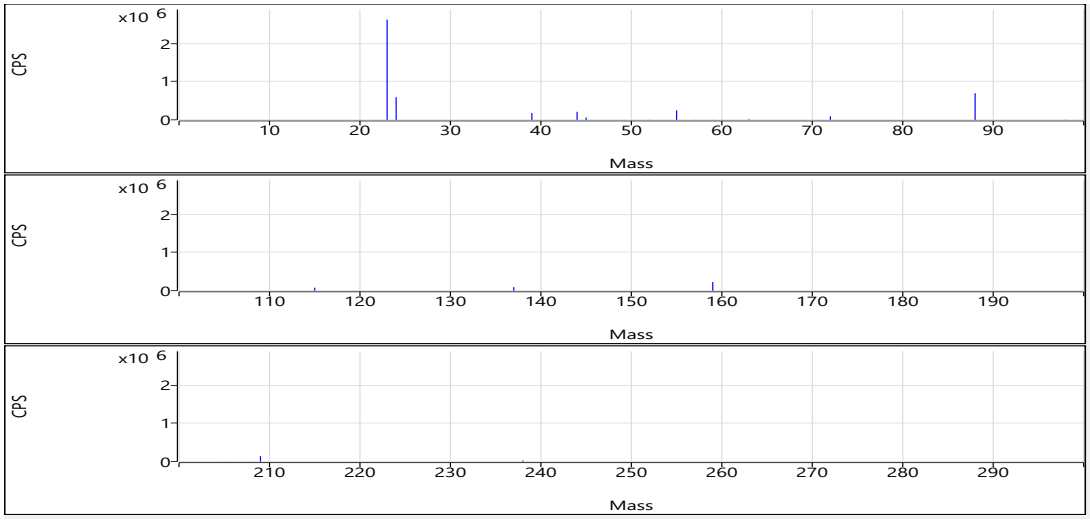


H2



Quantitation Report

He



Quantitation Report

Data File Name	190SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:24:32
Sample Name	410-235531-M-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

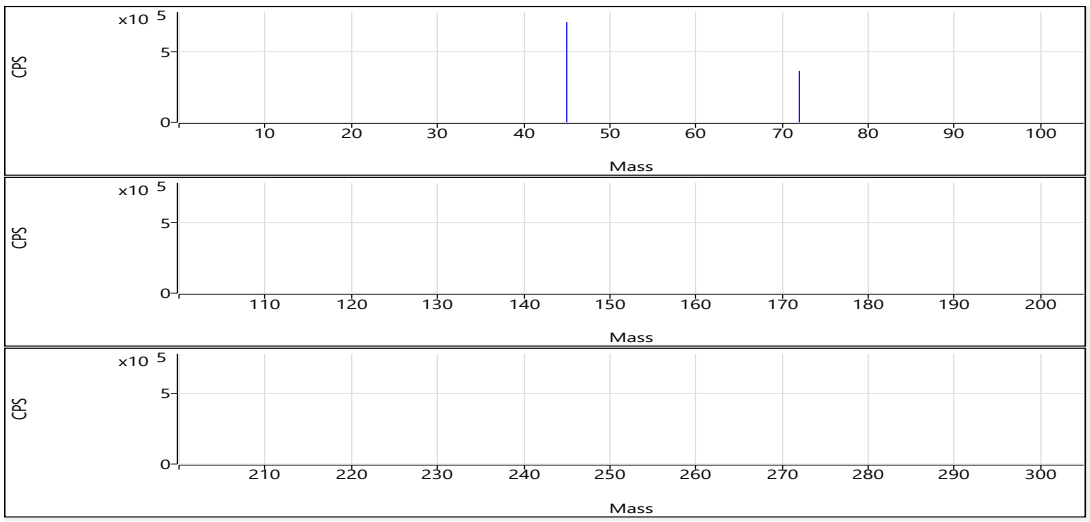
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.029	ppb	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.326	ppb	9.0	79.33	0.0001	Pulse	1.5000	3
Na	23	45	He	11706.814	ppb	3.3	2685289.86	46.1170	Pulse	0.1000	3
Mg	24	45	He	5218.152	ppb	3.3	605519.03	10.3991	Pulse	0.1000	3
Al	27	45	He	11.664	ppb	29.0	626.70	0.0108	Pulse	0.1000	3
K	39	45	He	1226.157	ppb	2.8	162674.20	2.7930	Pulse	0.1000	3
Ca	44	45	He	35191.757	ppb	3.5	202527.93	3.4783	Pulse	0.1000	3
Ti	47	45	He	1.491	ppb	7.8	63.33	0.0011	Pulse	0.1000	3
V	51	45	He	0.160	ppb	25.7	1222.06	0.0210	Pulse	0.5000	3
Cr	52	72	He	0.007	ppb	1705.0	2040.21	0.0225	Pulse	0.1000	3
Mn	55	45	He	335.894	ppb	3.2	305184.42	5.2412	Pulse	0.1000	3
Fe	57	45	He	238.819	ppb	8.1	8963.11	0.1541	Pulse	0.1000	3
Co	59	72	He	0.250	ppb	5.7	996.74	0.0110	Pulse	0.1000	3
Ni	60	115	He	0.080	ppb	154.2	1256.77	0.0156	Pulse	0.1000	3
Cu	63	115	He	0.934	ppb	11.5	2673.68	0.0332	Pulse	0.1000	3
Zn	66	72	He	1.758	ppb	8.4	606.70	0.0067	Pulse	0.1000	3
As	75	72	He	5.065	ppb	7.2	1212.72	0.0134	Pulse	0.5000	3
Sr	88	72	He	419.592	ppb	1.2	504550.93	5.5572	Pulse	0.1000	3
Mo	98	72	He	2.710	ppb	2.7	5107.79	0.0563	Pulse	0.1000	3
Ag	107	115	He	0.010	ppb	91.5	73.34	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.021	ppb	89.2	12.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.075	ppb	N/A	4450.87	0.0553	Pulse	0.1000	3
Sb	121	115	He	0.142	ppb	34.8	220.01	0.0027	Pulse	0.1000	3
Ba	137	115	He	168.708	ppb	0.7	84617.00	1.0518	Pulse	0.1000	3
Tl	205	209	He	0.054	ppb	16.1	383.36	0.0027	Pulse	0.1000	3
Pb	208	209	He	0.067	ppb	17.4	813.38	0.0057	Pulse	0.1000	3
U	238	209	He	2.817	ppb	1.1	21027.77	0.1484	Pulse	0.1000	3

ISTD Table:

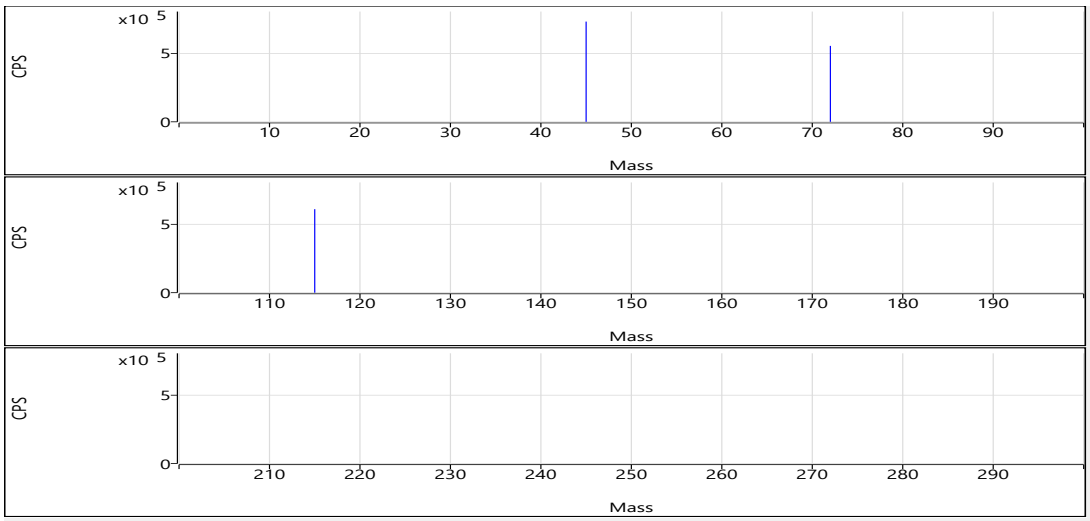
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	707597.83	0.4	103.5	Pulse	0.1000	3
No Gas	Ge	72	362615.22	1.0	100.3	Pulse	0.1000	3
H2	Sc	45	732298.69	0.6	94.7	Pulse	0.1000	3
H2	Ge	72	554746.02	1.5	102.0	Pulse	0.1000	3
H2	In	115	610094.09	1.3	110.6	Pulse	0.1000	3
He	Sc	45	58266.29	3.1	104.4	Pulse	0.1000	3
He	Ge	72	90795.56	0.8	101.7	Pulse	0.1000	3
He	In	115	80443.44	0.7	105.9	Pulse	0.1000	3
He	Tb	159	227314.36	0.6	103.4	Pulse	0.1000	3
He	Bi	209	141722.17	1.0	102.9	Pulse	0.1000	3

No Gas

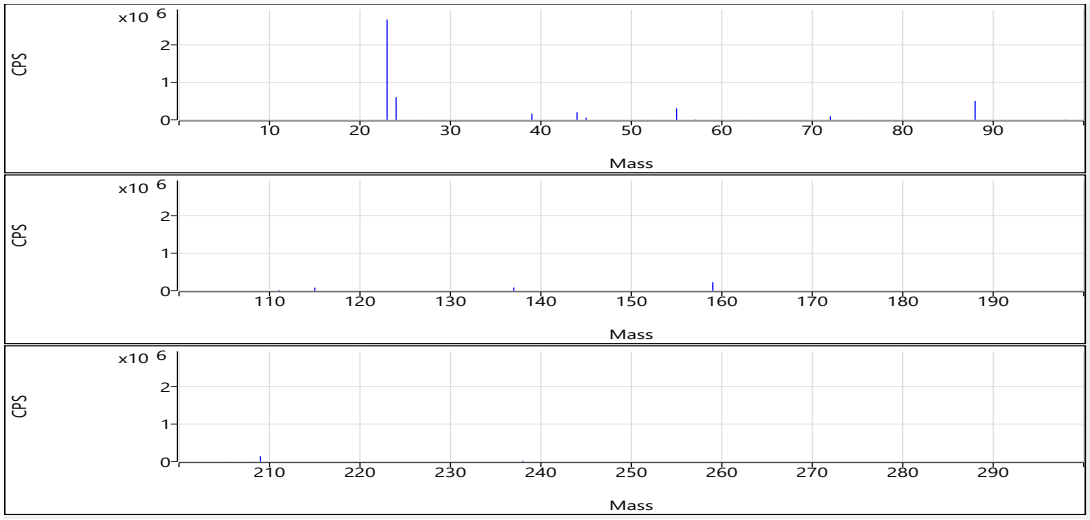


H2



Quantitation Report

He



Quantitation Report

Data File Name	191SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:26:38
Sample Name	410-235530-M-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

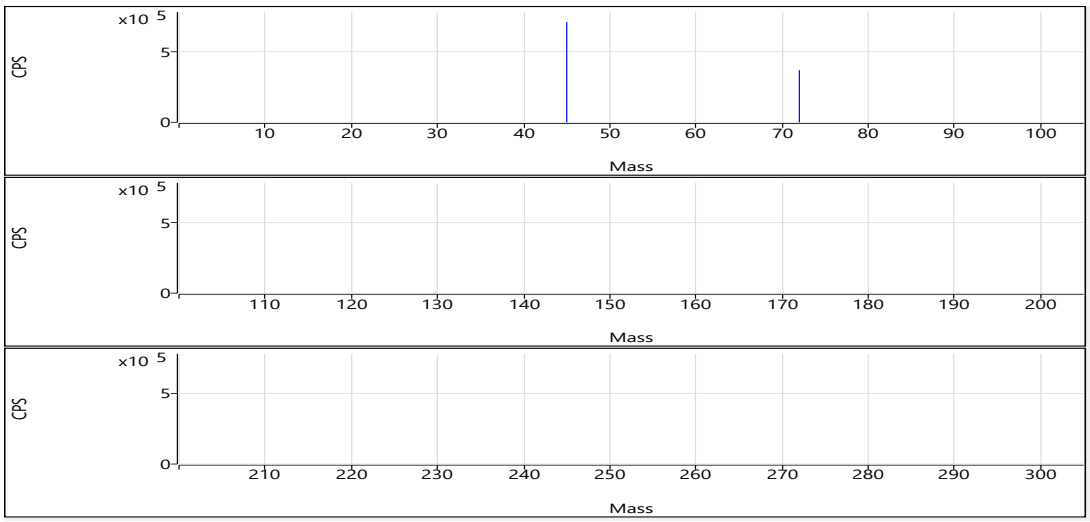
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.022	ppb	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.207	ppb	5.5	54.89	0.0001	Pulse	1.5000	3
Na	23	45	He	12762.965	ppb	1.3	2990351.21	50.2534	Pulse	0.1000	3
Mg	24	45	He	5388.310	ppb	1.5	638975.80	10.7379	Pulse	0.1000	3
Al	27	45	He	3.285	ppb	9.7	293.34	0.0049	Pulse	0.1000	3
K	39	45	He	1231.653	ppb	1.1	166815.28	2.8032	Pulse	0.1000	3
Ca	44	45	He	37674.057	ppb	1.8	221554.81	3.7233	Pulse	0.1000	3
Ti	47	45	He	1.378	ppb	53.3	60.00	0.0010	Pulse	0.1000	3
V	51	45	He	0.115	ppb	31.7	1180.06	0.0198	Pulse	0.5000	3
Cr	52	72	He	0.093	ppb	88.9	2280.27	0.0242	Pulse	0.1000	3
Mn	55	45	He	22.396	ppb	2.2	21045.84	0.3537	Pulse	0.1000	3
Fe	57	45	He	41.456	ppb	7.1	1803.51	0.0303	Pulse	0.1000	3
Co	59	72	He	0.163	ppb	18.0	740.05	0.0079	Pulse	0.1000	3
Ni	60	115	He	0.027	ppb	340.6	1246.77	0.0150	Pulse	0.1000	3
Cu	63	115	He	1.553	ppb	3.9	4410.84	0.0531	Pulse	0.1000	3
Zn	66	72	He	2.341	ppb	9.3	806.72	0.0086	Pulse	0.1000	3
As	75	72	He	5.319	ppb	0.6	1318.74	0.0140	Pulse	0.5000	3
Sr	88	72	He	393.227	ppb	0.5	490720.38	5.2082	Pulse	0.1000	3
Mo	98	72	He	3.075	ppb	6.4	6004.81	0.0638	Pulse	0.1000	3
Ag	107	115	He	0.016	ppb	46.9	96.67	0.0012	Pulse	0.1000	3
Cd	111	115	He	0.013	ppb	36.4	8.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.180	ppb	N/A	4424.19	0.0533	Pulse	0.1000	3
Sb	121	115	He	0.100	ppb	14.1	166.68	0.0020	Pulse	0.1000	3
Ba	137	115	He	83.441	ppb	0.5	43232.13	0.5209	Pulse	0.1000	3
Tl	205	209	He	0.037	ppb	25.3	296.68	0.0020	Pulse	0.1000	3
Pb	208	209	He	0.075	ppb	19.2	906.71	0.0062	Pulse	0.1000	3
U	238	209	He	3.965	ppb	2.1	30654.18	0.2085	Pulse	0.1000	3

ISTD Table:

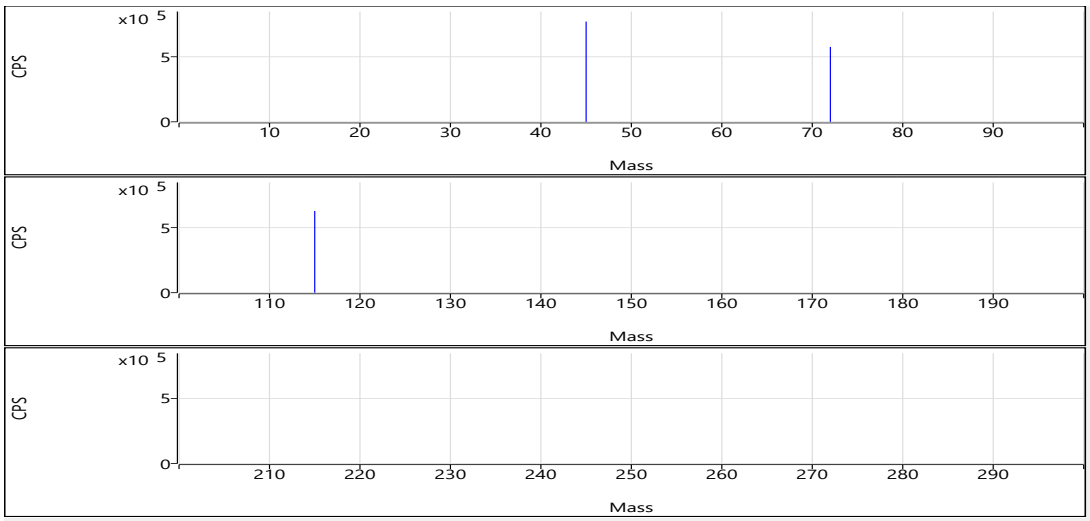
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705387.65	0.4	103.2	Pulse	0.1000	3
No Gas	Ge	72	366917.93	1.2	101.4	Pulse	0.1000	3
H2	Sc	45	766911.26	0.5	99.1	Pulse	0.1000	3
H2	Ge	72	572870.33	0.9	105.3	Pulse	0.1000	3
H2	In	115	625159.43	1.3	113.3	Pulse	0.1000	3
He	Sc	45	59508.23	0.6	106.6	Pulse	0.1000	3
He	Ge	72	94218.78	0.8	105.5	Pulse	0.1000	3
He	In	115	83002.29	0.6	109.3	Pulse	0.1000	3
He	Tb	159	238647.16	0.2	108.6	Pulse	0.1000	3
He	Bi	209	146996.65	0.7	106.7	Pulse	0.1000	3

No Gas

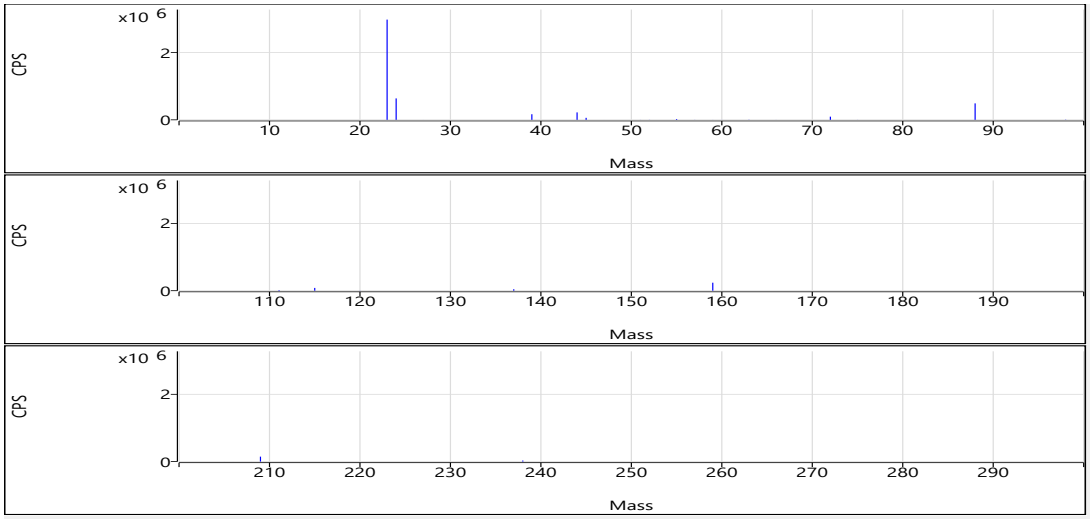


H2



Quantitation Report

He



Quantitation Report

Data File Name	192SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:28:44
Sample Name	410-235530-H-1-A DU
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

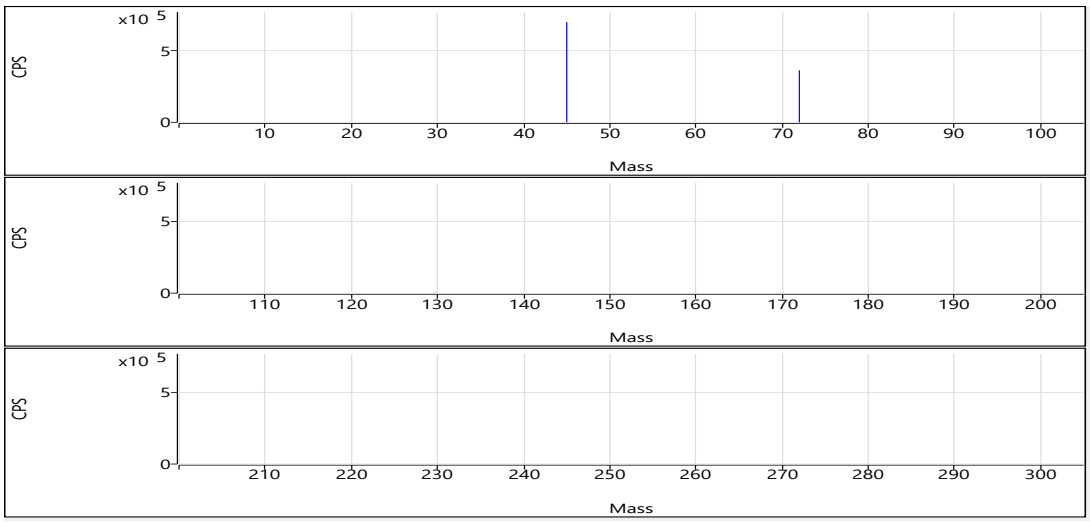
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.016	ppb	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.143	ppb	13.1	40.00	0.0001	Pulse	1.5000	3
Na	23	45	He	12846.438	ppb	0.5	2985257.14	50.5804	Pulse	0.1000	3
Mg	24	45	He	5439.759	ppb	1.0	639800.62	10.8403	Pulse	0.1000	3
Al	27	45	He	3.431	ppb	31.3	296.68	0.0050	Pulse	0.1000	3
K	39	45	He	1252.137	ppb	2.6	167682.61	2.8414	Pulse	0.1000	3
Ca	44	45	He	38267.604	ppb	0.4	223212.80	3.7819	Pulse	0.1000	3
Ti	47	45	He	0.973	ppb	72.0	43.33	0.0007	Pulse	0.1000	3
V	51	45	He	0.105	ppb	28.4	1154.06	0.0195	Pulse	0.5000	3
Cr	52	72	He	0.089	ppb	96.6	2240.25	0.0241	Pulse	0.1000	3
Mn	55	45	He	21.472	ppb	2.2	20020.99	0.3393	Pulse	0.1000	3
Fe	57	45	He	40.272	ppb	7.4	1743.50	0.0296	Pulse	0.1000	3
Co	59	72	He	0.142	ppb	6.6	663.38	0.0071	Pulse	0.1000	3
Ni	60	115	He	-0.059	ppb	N/A	1156.75	0.0140	Pulse	0.1000	3
Cu	63	115	He	1.735	ppb	4.9	4867.64	0.0590	Pulse	0.1000	3
Zn	66	72	He	2.588	ppb	2.1	870.06	0.0094	Pulse	0.1000	3
As	75	72	He	5.191	ppb	4.5	1270.73	0.0137	Pulse	0.5000	3
Sr	88	72	He	399.545	ppb	2.0	491800.69	5.2918	Pulse	0.1000	3
Mo	98	72	He	3.135	ppb	7.4	6038.18	0.0650	Pulse	0.1000	3
Ag	107	115	He	0.013	ppb	75.0	86.67	0.0011	Pulse	0.1000	3
Cd	111	115	He	0.011	ppb	22.1	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.148	ppb	7.8	4917.73	0.0596	Pulse	0.1000	3
Sb	121	115	He	0.067	ppb	28.4	120.01	0.0015	Pulse	0.1000	3
Ba	137	115	He	83.709	ppb	2.2	43111.54	0.5225	Pulse	0.1000	3
Tl	205	209	He	0.034	ppb	9.6	276.68	0.0019	Pulse	0.1000	3
Pb	208	209	He	0.078	ppb	13.8	930.05	0.0063	Pulse	0.1000	3
U	238	209	He	4.021	ppb	3.1	30998.02	0.2115	Pulse	0.1000	3

ISTD Table:

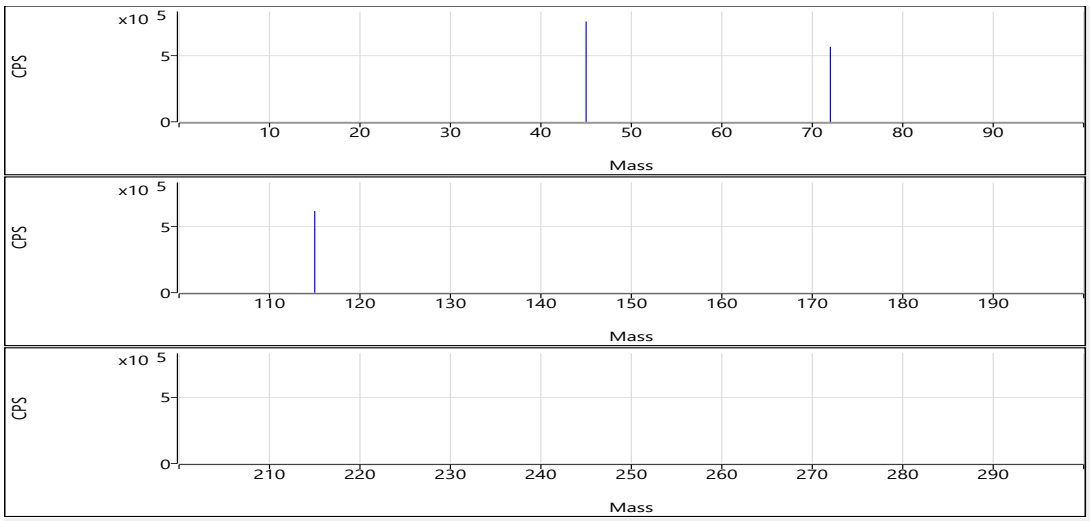
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	704010.54	0.9	103.0	Pulse	0.1000	3
No Gas	Ge	72	364946.65	0.8	100.9	Pulse	0.1000	3
H2	Sc	45	755873.48	1.9	97.7	Pulse	0.1000	3
H2	Ge	72	565776.02	2.4	104.0	Pulse	0.1000	3
H2	In	115	615777.14	2.9	111.6	Pulse	0.1000	3
He	Sc	45	59022.81	1.6	105.7	Pulse	0.1000	3
He	Ge	72	92952.32	1.4	104.1	Pulse	0.1000	3
He	In	115	82508.54	0.3	108.7	Pulse	0.1000	3
He	Tb	159	235476.23	1.3	107.1	Pulse	0.1000	3
He	Bi	209	146594.82	0.5	106.4	Pulse	0.1000	3

No Gas

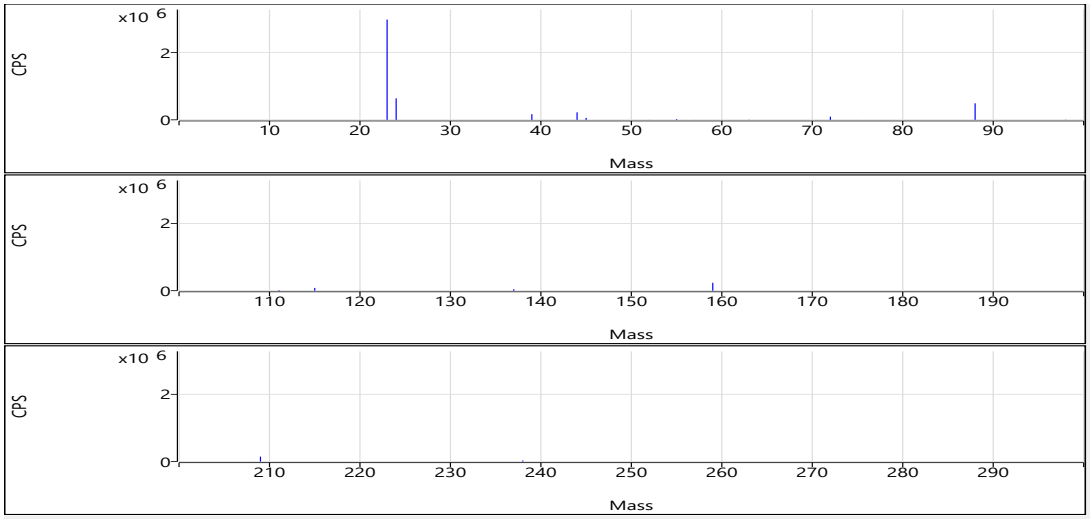


H2



Quantitation Report

He



Quantitation Report

Data File Name	193SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:30:49
Sample Name	410-235530-H-1-B MS
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

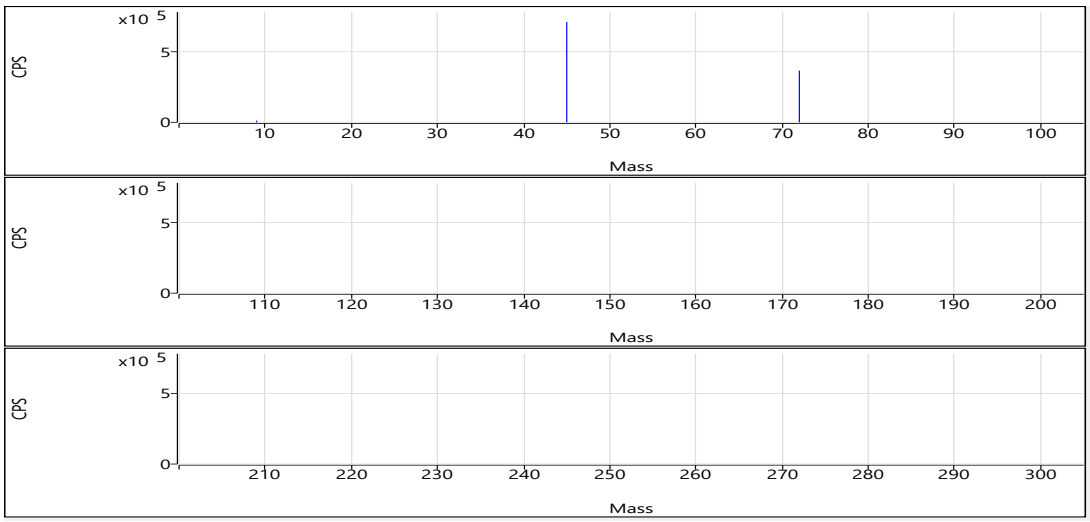
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	55.922	ppb	1.1	11965.49	0.0168	Pulse	0.5000	3
Se	78	72	H2	95.938	ppb	0.7	21139.88	0.0380	Pulse	1.5000	3
Na	23	45	He	17204.147	ppb	2.1	4004407.75	67.6474	Pulse	0.1000	3
Mg	24	45	He	9857.026	ppb	2.6	1162163.42	19.6342	Pulse	0.1000	3
Al	27	45	He	4634.779	ppb	2.7	192380.29	3.2503	Pulse	0.1000	3
K	39	45	He	6036.179	ppb	2.3	695120.38	11.7430	Pulse	0.1000	3
Ca	44	45	He	41922.014	ppb	2.0	245226.21	4.1426	Pulse	0.1000	3
Ti	47	45	He	484.823	ppb	1.7	19767.38	0.3339	Pulse	0.1000	3
V	51	45	He	466.772	ppb	1.9	725325.06	12.2528	Pulse	0.5000	3
Cr	52	72	He	483.307	ppb	2.3	886468.27	9.6797	Pulse	0.1000	3
Mn	55	45	He	487.503	ppb	2.1	450166.66	7.6048	Pulse	0.1000	3
Fe	57	45	He	4709.323	ppb	1.4	175108.05	2.9577	Pulse	0.1000	3
Co	59	72	He	483.407	ppb	0.8	1582719.40	17.2790	Pulse	0.1000	3
Ni	60	115	He	466.607	ppb	1.5	432527.88	5.4416	Pulse	0.1000	3
Cu	63	115	He	468.834	ppb	1.5	1197322.41	15.0636	Pulse	0.1000	3
Zn	66	72	He	493.028	ppb	1.7	145886.11	1.5929	Pulse	0.1000	3
As	75	72	He	506.967	ppb	1.0	116509.03	1.2720	Pulse	0.5000	3
Sr	88	72	He	448.015	ppb	1.4	543433.03	5.9334	Pulse	0.1000	3
Mo	98	72	He	49.990	ppb	1.7	94095.57	1.0274	Pulse	0.1000	3
Ag	107	115	He	47.747	ppb	1.9	175931.76	2.2135	Pulse	0.1000	3
Cd	111	115	He	47.772	ppb	1.1	22181.51	0.2791	Pulse	0.5000	3
Sn	120	115	He	94.546	ppb	0.7	148402.89	1.8670	Pulse	0.1000	3
Sb	121	115	He	93.262	ppb	0.7	126396.14	1.5901	Pulse	0.1000	3
Ba	137	115	He	564.266	ppb	1.4	279407.55	3.5152	Pulse	0.1000	3
Tl	205	209	He	98.886	ppb	0.3	565878.36	4.0117	Pulse	0.1000	3
Pb	208	209	He	48.234	ppb	1.3	367686.30	2.6068	Pulse	0.1000	3
U	238	209	He	51.742	ppb	1.3	382350.81	2.7107	Pulse	0.1000	3

ISTD Table:

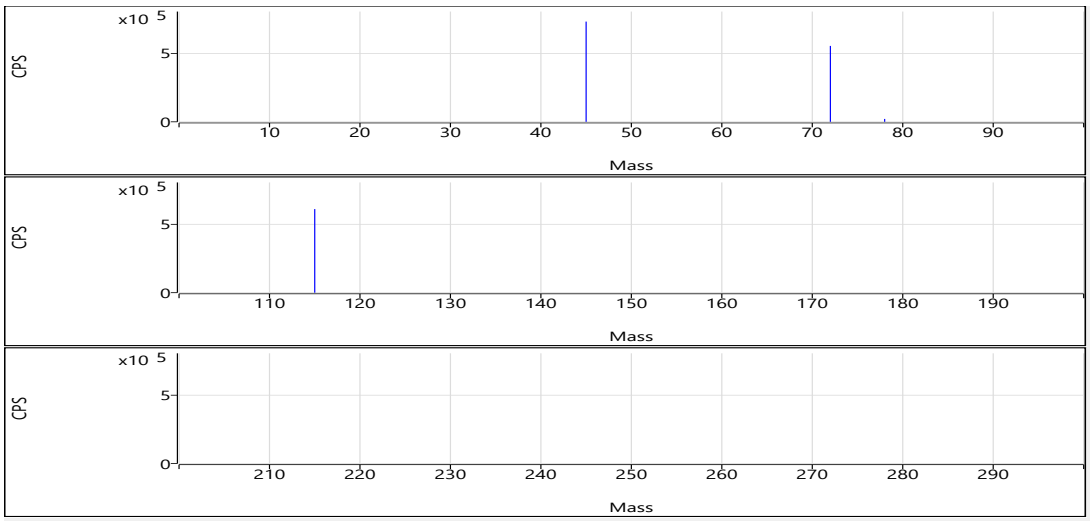
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712881.68	0.5	104.3	Pulse	0.1000	3
No Gas	Ge	72	367078.09	0.6	101.5	Pulse	0.1000	3
H2	Sc	45	734127.96	0.8	94.9	Pulse	0.1000	3
H2	Ge	72	555968.21	0.7	102.2	Pulse	0.1000	3
H2	In	115	612309.03	0.9	111.0	Pulse	0.1000	3
He	Sc	45	59213.84	2.3	106.1	Pulse	0.1000	3
He	Ge	72	91604.17	1.8	102.6	Pulse	0.1000	3
He	In	115	79491.89	1.0	104.7	Pulse	0.1000	3
He	Tb	159	230249.79	0.6	104.8	Pulse	0.1000	3
He	Bi	209	141059.23	0.7	102.4	Pulse	0.1000	3

No Gas

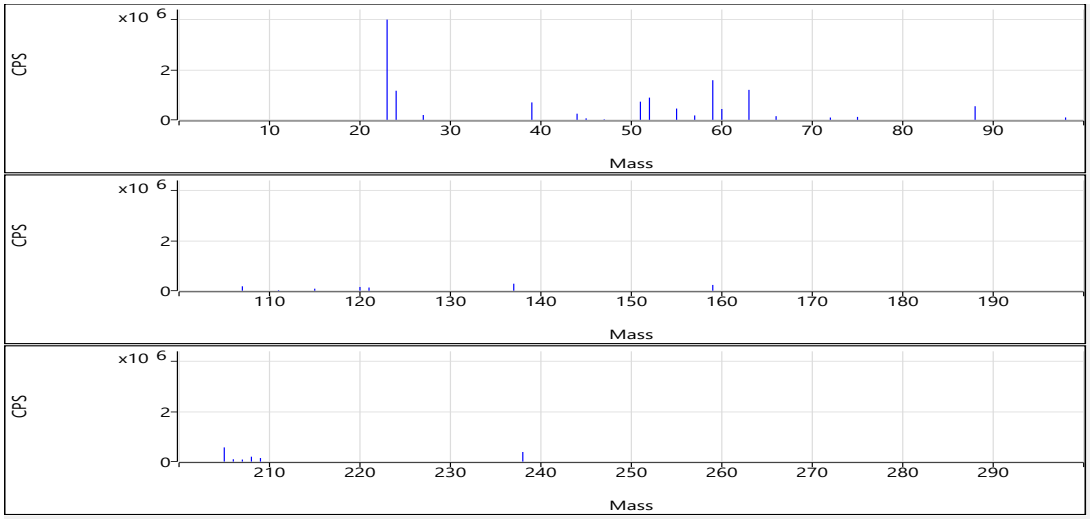


H2



Quantitation Report

He



Quantitation Report

Data File Name	195_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:35:01
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

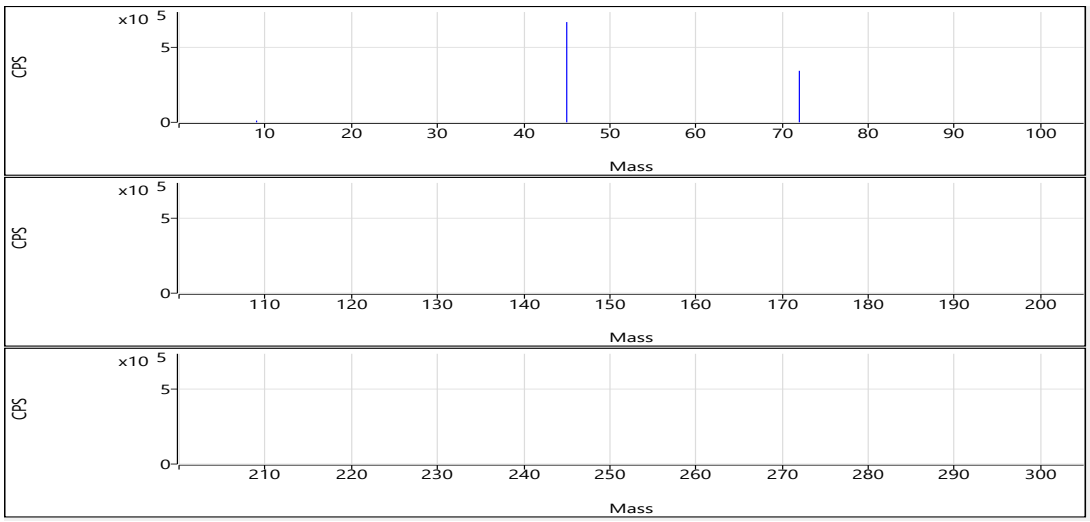
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	56.806	ppb	1.3	11466.43	0.0170	Pulse	0.5000	3
Se	78	72	H2	52.665	ppb	0.2	10968.62	0.0209	Pulse	1.5000	3
Na	23	45	He	5525.008	ppb	2.1	1189241.49	21.9058	Pulse	0.1000	3
Mg	24	45	He	5060.350	ppb	1.7	547529.30	10.0850	Pulse	0.1000	3
Al	27	45	He	5096.540	ppb	2.5	194011.95	3.5738	Pulse	0.1000	3
K	39	45	He	5183.079	ppb	1.5	551366.10	10.1556	Pulse	0.1000	3
Ca	44	45	He	5208.927	ppb	0.6	28161.16	0.5187	Pulse	0.1000	3
Ti	47	45	He	5125.679	ppb	1.0	191620.65	3.5293	Pulse	0.1000	3
V	51	45	He	512.504	ppb	1.2	730323.11	13.4516	Pulse	0.5000	3
Cr	52	72	He	518.500	ppb	0.7	892279.49	10.3830	Pulse	0.1000	3
Mn	55	45	He	518.525	ppb	1.5	439130.82	8.0884	Pulse	0.1000	3
Fe	57	45	He	5057.613	ppb	1.5	172436.56	3.1761	Pulse	0.1000	3
Co	59	72	He	522.178	ppb	1.2	1603914.40	18.6646	Pulse	0.1000	3
Ni	60	115	He	496.715	ppb	2.2	437265.76	5.7918	Pulse	0.1000	3
Cu	63	115	He	498.139	ppb	1.8	1208354.88	16.0049	Pulse	0.1000	3
Zn	66	72	He	518.173	ppb	0.6	143867.25	1.6741	Pulse	0.1000	3
As	75	72	He	525.052	ppb	0.5	113211.20	1.3174	Pulse	0.5000	3
Sr	88	72	He	52.601	ppb	0.8	60120.92	0.6996	Pulse	0.1000	3
Mo	98	72	He	52.727	ppb	0.5	93123.11	1.0836	Pulse	0.1000	3
Ag	107	115	He	49.677	ppb	0.2	173901.84	2.3029	Pulse	0.1000	3
Cd	111	115	He	50.331	ppb	1.5	22198.23	0.2940	Pulse	0.5000	3
Sn	120	115	He	50.472	ppb	0.7	77254.69	1.0231	Pulse	0.1000	3
Sb	121	115	He	51.883	ppb	1.4	66800.31	0.8847	Pulse	0.1000	3
Ba	137	115	He	511.089	ppb	0.6	240422.40	3.1840	Pulse	0.1000	3
Tl	205	209	He	51.100	ppb	1.5	282318.54	2.0733	Pulse	0.1000	3
Pb	208	209	He	50.533	ppb	2.1	371828.52	2.7309	Pulse	0.1000	3
U	238	209	He	50.294	ppb	2.2	358751.60	2.6349	Pulse	0.1000	3

ISTD Table:

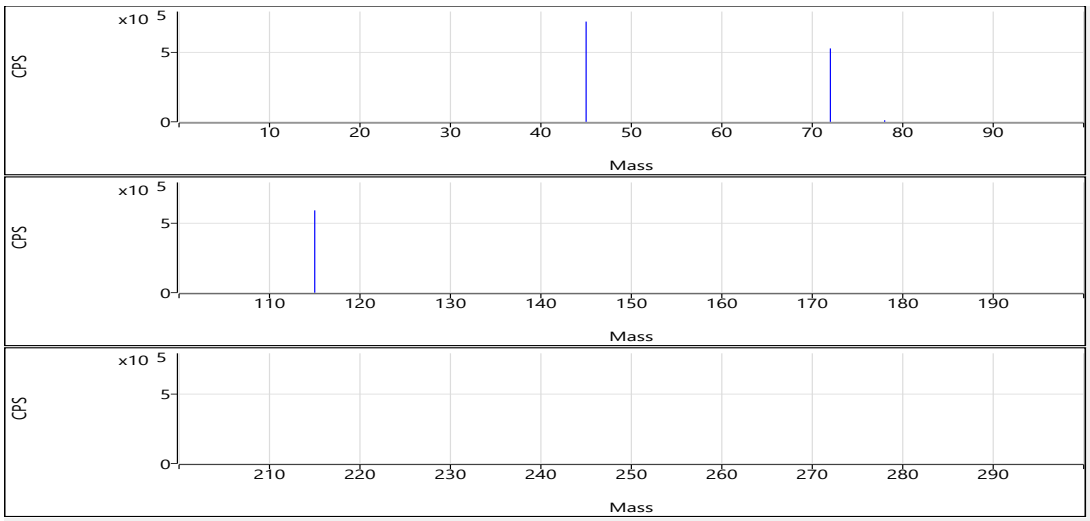
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	672622.62	1.2	98.4	Pulse	0.1000	3
No Gas	Ge	72	345630.09	0.8	95.6	Pulse	0.1000	3
H2	Sc	45	717382.49	1.3	92.7	Pulse	0.1000	3
H2	Ge	72	525348.33	0.6	96.6	Pulse	0.1000	3
H2	In	115	589145.41	0.5	106.8	Pulse	0.1000	3
He	Sc	45	54298.13	1.3	97.3	Pulse	0.1000	3
He	Ge	72	85939.64	0.9	96.2	Pulse	0.1000	3
He	In	115	75514.39	1.7	99.4	Pulse	0.1000	3
He	Tb	159	220116.87	0.4	100.1	Pulse	0.1000	3
He	Bi	209	136199.79	2.4	98.9	Pulse	0.1000	3

No Gas

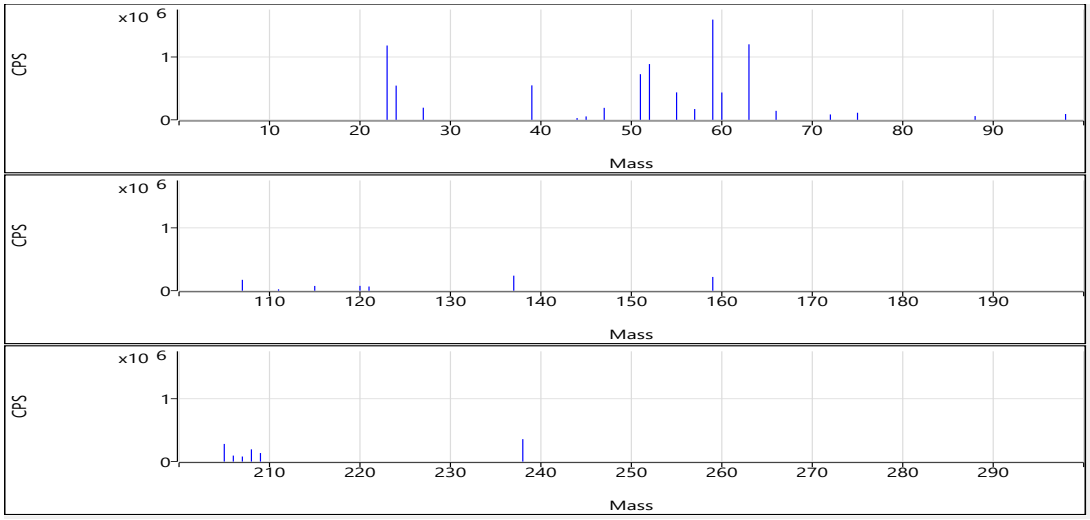


H2



Quantitation Report

He



Quantitation Report

Data File Name	202_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:49:45
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

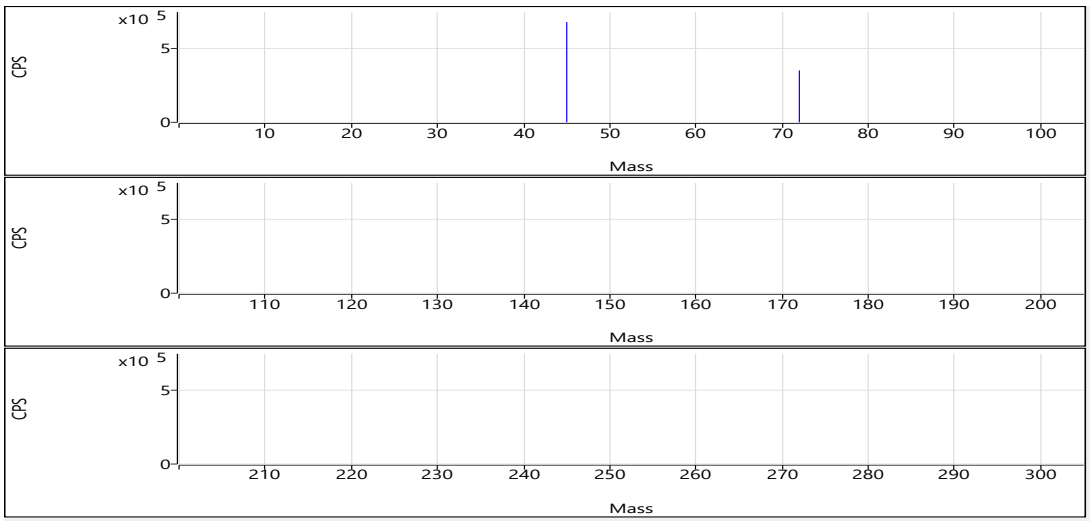
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.029	ppb	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.079	ppb	38.9	24.22	0.0000	Pulse	1.5000	3
Na	23	45	He	130.746	ppb	1.2	42584.84	0.7790	Pulse	0.1000	3
Mg	24	45	He	6.089	ppb	3.2	1253.43	0.0229	Pulse	0.1000	3
Al	27	45	He	1.022	ppb	249.1	183.34	0.0033	Pulse	0.1000	3
K	39	45	He	25.316	ppb	63.7	30552.49	0.5586	Pulse	0.1000	3
Ca	44	45	He	29.411	ppb	43.7	403.36	0.0074	Pulse	0.1000	3
Ti	47	45	He	0.885	ppb	68.9	36.67	0.0007	Pulse	0.1000	3
V	51	45	He	0.282	ppb	5.3	1323.40	0.0242	Pulse	0.5000	3
Cr	52	72	He	0.032	ppb	57.6	2003.55	0.0230	Pulse	0.1000	3
Mn	55	45	He	0.244	ppb	15.0	456.69	0.0083	Pulse	0.1000	3
Fe	57	45	He	1.112	ppb	174.6	273.35	0.0050	Pulse	0.1000	3
Co	59	72	He	0.168	ppb	25.4	700.04	0.0080	Pulse	0.1000	3
Ni	60	115	He	0.067	ppb	133.6	1180.09	0.0155	Pulse	0.1000	3
Cu	63	115	He	0.189	ppb	10.7	710.04	0.0093	Pulse	0.1000	3
Zn	66	72	He	0.080	ppb	86.6	110.00	0.0013	Pulse	0.1000	3
As	75	72	He	0.326	ppb	21.5	128.67	0.0015	Pulse	0.5000	3
Sr	88	72	He	0.212	ppb	5.9	533.36	0.0061	Pulse	0.1000	3
Mo	98	72	He	0.027	ppb	58.6	100.00	0.0012	Pulse	0.1000	3
Ag	107	115	He	0.018	ppb	25.8	96.67	0.0013	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	26.5	6.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.016	ppb	389.7	4354.18	0.0571	Pulse	0.1000	3
Sb	121	115	He	0.054	ppb	48.7	93.33	0.0012	Pulse	0.1000	3
Ba	137	115	He	0.237	ppb	24.8	206.68	0.0027	Pulse	0.1000	3
Tl	205	209	He	0.036	ppb	31.9	273.35	0.0020	Pulse	0.1000	3
Pb	208	209	He	0.005	ppb	142.1	333.34	0.0024	Pulse	0.1000	3
U	238	209	He	0.018	ppb	11.5	246.68	0.0018	Pulse	0.1000	3

ISTD Table:

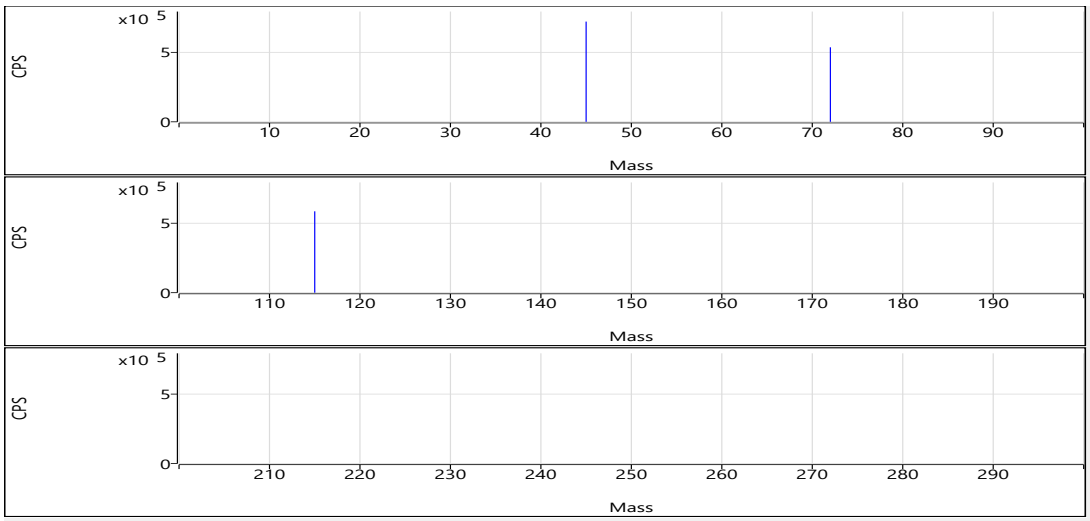
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	680743.25	1.0	99.6	Pulse	0.1000	3
No Gas	Ge	72	352115.32	1.0	97.3	Pulse	0.1000	3
H2	Sc	45	722067.41	0.6	93.3	Pulse	0.1000	3
H2	Ge	72	536892.36	0.4	98.7	Pulse	0.1000	3
H2	In	115	586305.16	0.9	106.3	Pulse	0.1000	3
He	Sc	45	54665.94	1.4	97.9	Pulse	0.1000	3
He	Ge	72	87200.15	2.3	97.6	Pulse	0.1000	3
He	In	115	76287.77	1.4	100.5	Pulse	0.1000	3
He	Tb	159	218981.60	0.7	99.6	Pulse	0.1000	3
He	Bi	209	137728.29	0.8	100.0	Pulse	0.1000	3

No Gas

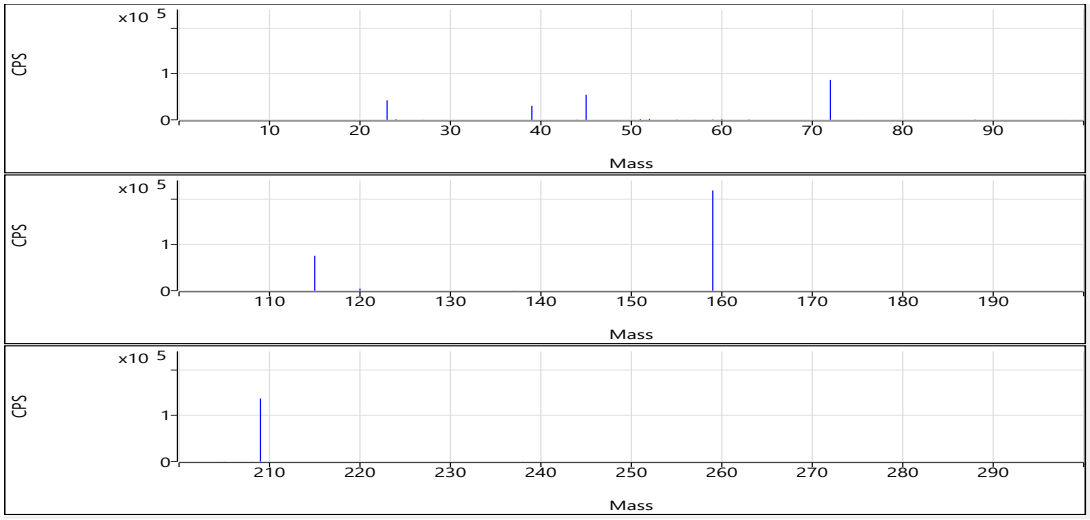


H2



Quantitation Report

He



US EPA Tune Check Report

Operator Name	us19_usr_ins21905
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq. Date-Time	2025-08-13 08:26:08
Report Comment	E07 Tune Report
Instrument Name	G8403A SG18254097

[No Gas]

Sensitivity

Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	1372	13717.07			0.519	5.000
24	10.00	8748	87483.64			0.638	5.000
25	10.00	1245	12454.50			0.877	5.000
26	10.00	1469	14693.30			0.662	5.000
59	10.00	14194	141937.95			0.246	5.000
115	10.00	17802	178017.54			0.655	5.000
206	10.00	2628	26278.80			0.844	5.000
207	10.00	2150	21498.94			0.674	5.000
208	10.00	5240	52401.66			0.631	5.000

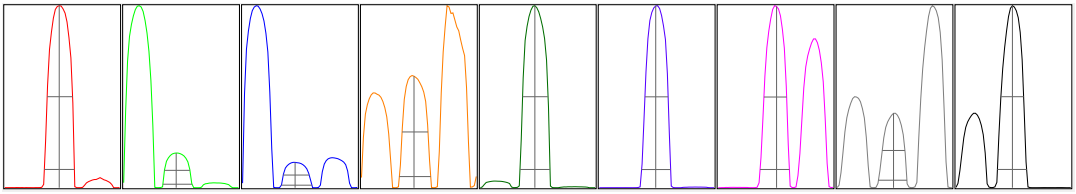
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	1381	1368	1369	1364	1377
24	8812	8789	8760	8687	8695
25	1257	1253	1248	1230	1239
26	1468	1460	1479	1480	1460
59	14215	14159	14237	14157	14200
115	17895	17780	17863	17608	17864
206	2595	2630	2621	2637	2656
207	2153	2156	2150	2164	2126
208	5197	5218	5282	5254	5251

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	2212.34	8.95	8.90 - 9.10	
24	14071.87	23.90	23.90 - 24.10	
25	1961.06	24.90	24.90 - 25.10	
26	2309.06	25.90	25.90 - 26.10	
59	22891.04	58.95	58.90 - 59.10	
115	30982.90	115.00	114.90 - 115.10	
206	4692.55	206.05	205.90 - 206.10	
207	3851.06	207.00	206.90 - 207.10	
208	9416.84	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.65	0.773	0.900	
24	0.65	0.751	0.900	
25	0.67	0.786	0.900	
26	0.67	0.806	0.900	
59	0.65	0.772	0.900	
115	0.60	0.747	0.900	
206	0.58	0.754	0.900	
207	0.58	0.732	0.900	
208	0.58	0.751	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	235
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.90 L/min	Dilution Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.5 V	Deflect	15.5 V
Extract 2	-180.0 V	Cell Entrance	-40 V	Plate Bias	-50 V
Omega Bias	-110 V	Cell Exit	-30 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	3.5 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9995	QP Bias	-4.5 V
Mass Offset	125	Axis Offset	0.05		

Hardware Settings

Torch

Torch H	0.9 mm	Torch V	-0.9 mm		

EM

Discriminator	3.7 mV	Analog HV	2202 V	Pulse HV	1146 V

Quantitation Report

Data File Name	203SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:51:51
Sample Name	410-235456-D-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

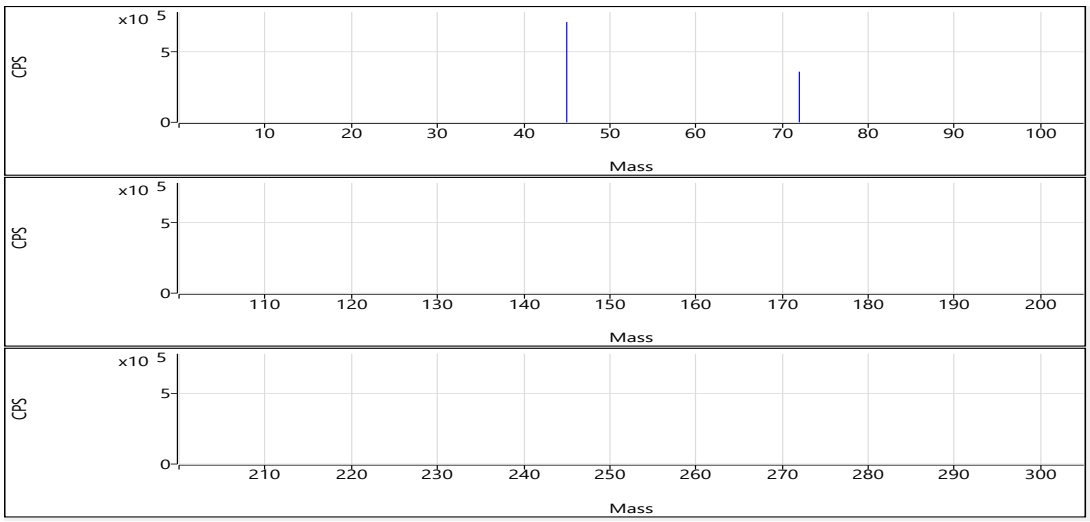
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.036	ppb	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.491	ppb	3.1	112.67	0.0002	Pulse	1.5000	3
Na	23	45	He	302961.180	ppb	1.7	68311462.32	1 186.8221	Analog	0.1000	3
Mg	24	45	He	29990.380	ppb	1.4	3437195.16	59.7157	Pulse	0.1000	3
Al	27	45	He	48.019	ppb	12.3	2086.89	0.0363	Pulse	0.1000	3
K	39	45	He	12120.594	ppb	2.2	1327515.86	23.0643	Pulse	0.1000	3
Ca	44	45	He	85663.079	ppb	1.9	486957.36	8.4603	Pulse	0.1000	3
Ti	47	45	He	1.760	ppb	35.2	73.33	0.0013	Pulse	0.1000	3
V	51	45	He	1.696	ppb	3.2	3525.79	0.0613	Pulse	0.5000	3
Cr	52	72	He	0.692	ppb	8.0	3217.13	0.0362	Pulse	0.1000	3
Mn	55	45	He	27.085	ppb	2.6	24564.72	0.4268	Pulse	0.1000	3
Fe	57	45	He	411.807	ppb	2.8	15111.69	0.2626	Pulse	0.1000	3
Co	59	72	He	0.235	ppb	24.8	930.06	0.0105	Pulse	0.1000	3
Ni	60	115	He	2.024	ppb	11.5	2997.07	0.0382	Pulse	0.1000	3
Cu	63	115	He	229.425	ppb	1.7	577965.68	7.3730	Pulse	0.1000	3
Zn	66	72	He	113.717	ppb	1.5	32738.05	0.3682	Pulse	0.1000	3
As	75	72	He	2.801	ppb	6.2	682.69	0.0077	Pulse	0.5000	3
Sr	88	72	He	1102.613	ppb	0.9	1298147.25	14.5979	Pulse	0.1000	3
Mo	98	72	He	8.467	ppb	1.5	15522.47	0.1745	Pulse	0.1000	3
Ag	107	115	He	0.034	ppb	24.8	156.68	0.0020	Pulse	0.1000	3
Cd	111	115	He	0.059	ppb	23.1	29.33	0.0004	Pulse	0.5000	3
Sn	120	115	He	-0.003	ppb	N/A	4444.20	0.0567	Pulse	0.1000	3
Sb	121	115	He	0.548	ppb	11.2	756.71	0.0096	Pulse	0.1000	3
Ba	137	115	He	225.301	ppb	1.1	110087.66	1.4043	Pulse	0.1000	3
Tl	205	209	He	0.026	ppb	45.7	220.01	0.0016	Pulse	0.1000	3
Pb	208	209	He	1.681	ppb	0.8	12956.35	0.0929	Pulse	0.1000	3
U	238	209	He	17.637	ppb	1.6	128897.75	0.9246	Pulse	0.1000	3

ISTD Table:

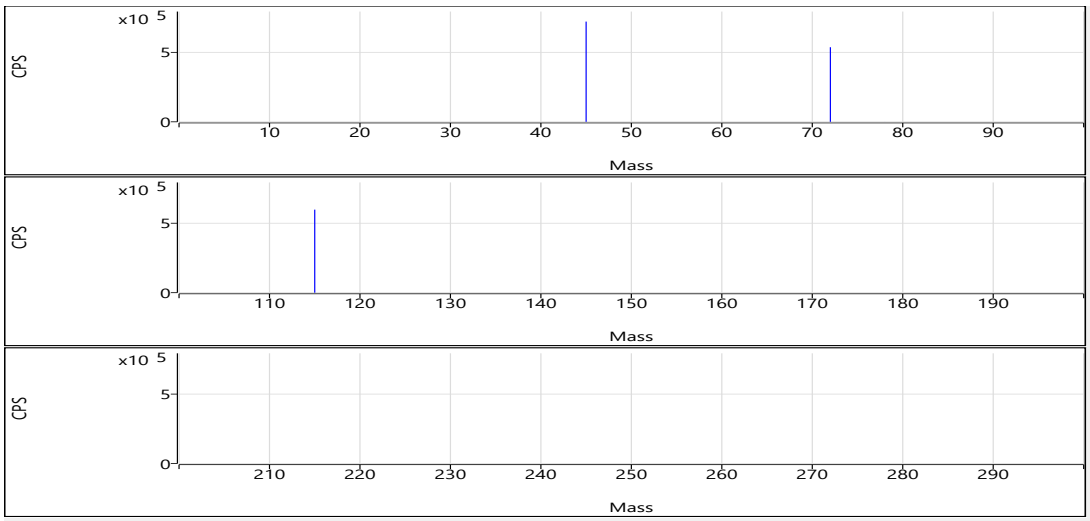
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	710337.49	0.7	103.9	Pulse	0.1000	3
No Gas	Ge	72	358750.44	1.0	99.2	Pulse	0.1000	3
H2	Sc	45	725953.40	1.4	93.8	Pulse	0.1000	3
H2	Ge	72	540286.12	0.5	99.3	Pulse	0.1000	3
H2	In	115	601518.09	0.4	109.1	Pulse	0.1000	3
He	Sc	45	57563.46	0.8	103.1	Pulse	0.1000	3
He	Ge	72	88938.26	2.3	99.6	Pulse	0.1000	3
He	In	115	78395.73	0.8	103.2	Pulse	0.1000	3
He	Tb	159	226566.11	1.0	103.1	Pulse	0.1000	3
He	Bi	209	139427.89	0.8	101.2	Pulse	0.1000	3

No Gas

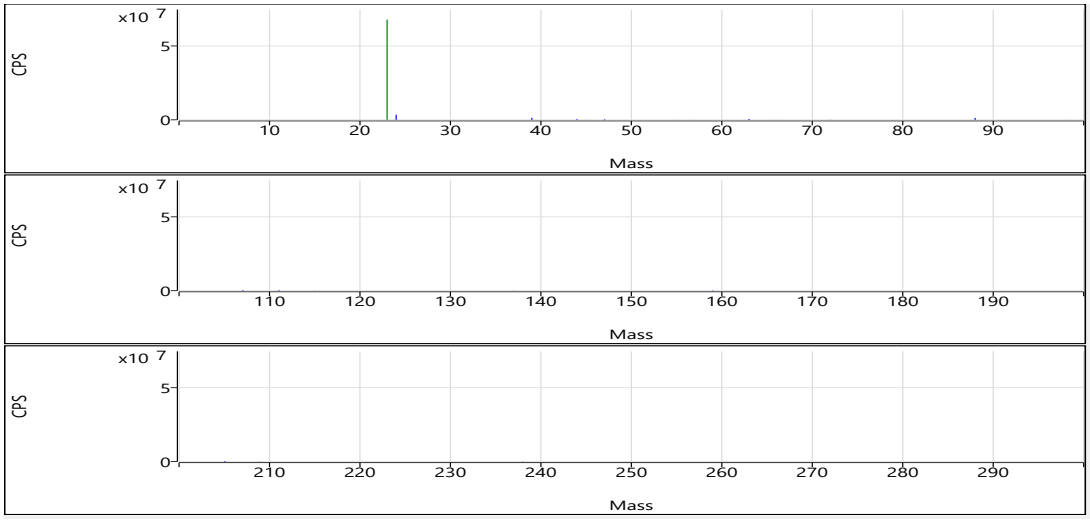


H2



Quantitation Report

He



Quantitation Report

Data File Name	204SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:53:57
Sample Name	180-193940-F-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

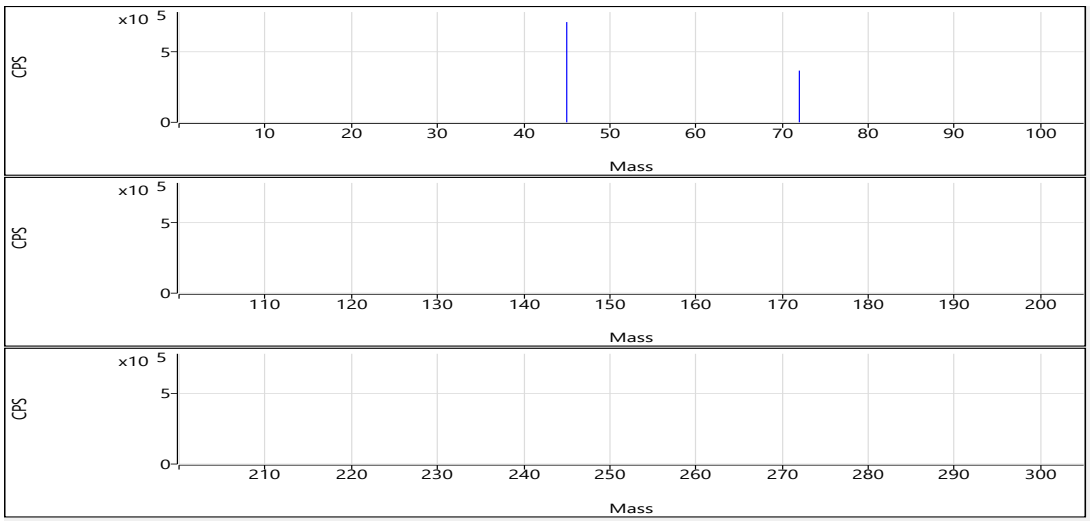
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.039	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.185	ppb	10.6	50.67	0.0001	Pulse	1.5000	3
Na	23	45	He	13845.893	ppb	1.8	3283492.66	54.4948	Pulse	0.1000	3
Mg	24	45	He	1843.346	ppb	1.7	221767.00	3.6805	Pulse	0.1000	3
Al	27	45	He	160.290	ppb	12.4	6916.39	0.1149	Pulse	0.1000	3
K	39	45	He	3780.704	ppb	1.8	454690.96	7.5463	Pulse	0.1000	3
Ca	44	45	He	16180.730	ppb	1.4	96516.73	1.6017	Pulse	0.1000	3
Ti	47	45	He	5.635	ppb	22.6	236.68	0.0039	Pulse	0.1000	3
V	51	45	He	2.854	ppb	7.7	5518.40	0.0916	Pulse	0.5000	3
Cr	52	72	He	1.002	ppb	9.2	4050.70	0.0423	Pulse	0.1000	3
Mn	55	45	He	25.679	ppb	4.0	24411.36	0.4049	Pulse	0.1000	3
Fe	57	45	He	457.971	ppb	2.2	17564.50	0.2915	Pulse	0.1000	3
Co	59	72	He	0.612	ppb	7.8	2286.92	0.0239	Pulse	0.1000	3
Ni	60	115	He	2.183	ppb	8.0	3360.50	0.0401	Pulse	0.1000	3
Cu	63	115	He	8.359	ppb	3.6	22782.02	0.2718	Pulse	0.1000	3
Zn	66	72	He	84.298	ppb	0.2	26137.61	0.2732	Pulse	0.1000	3
As	75	72	He	0.991	ppb	5.3	300.67	0.0031	Pulse	0.5000	3
Sr	88	72	He	51.291	ppb	1.5	65277.45	0.6822	Pulse	0.1000	3
Mo	98	72	He	3.827	ppb	0.5	7578.98	0.0792	Pulse	0.1000	3
Ag	107	115	He	0.027	ppb	44.8	143.34	0.0017	Pulse	0.1000	3
Cd	111	115	He	0.062	ppb	45.2	32.67	0.0004	Pulse	0.5000	3
Sn	120	115	He	0.122	ppb	58.6	4954.40	0.0591	Pulse	0.1000	3
Sb	121	115	He	1.006	ppb	1.9	1463.46	0.0175	Pulse	0.1000	3
Ba	137	115	He	14.306	ppb	4.5	7575.69	0.0903	Pulse	0.1000	3
Tl	205	209	He	0.020	ppb	32.0	200.01	0.0013	Pulse	0.1000	3
Pb	208	209	He	4.565	ppb	1.8	37195.50	0.2486	Pulse	0.1000	3
U	238	209	He	0.516	ppb	7.1	4170.83	0.0279	Pulse	0.1000	3

ISTD Table:

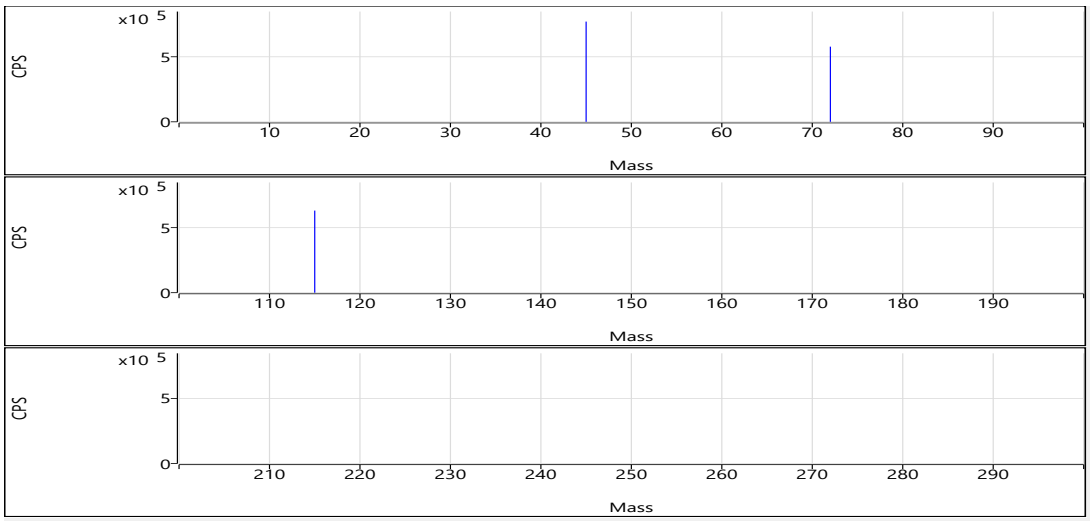
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	712828.74	1.3	104.3	Pulse	0.1000	3
No Gas	Ge	72	367640.14	1.4	101.6	Pulse	0.1000	3
H2	Sc	45	775395.53	1.2	100.2	Pulse	0.1000	3
H2	Ge	72	581423.58	0.6	106.9	Pulse	0.1000	3
H2	In	115	635158.14	1.1	115.2	Pulse	0.1000	3
He	Sc	45	60268.21	2.1	108.0	Pulse	0.1000	3
He	Ge	72	95676.50	0.9	107.1	Pulse	0.1000	3
He	In	115	83842.79	1.3	110.4	Pulse	0.1000	3
He	Tb	159	240714.99	0.5	109.5	Pulse	0.1000	3
He	Bi	209	149599.18	0.3	108.6	Pulse	0.1000	3

No Gas

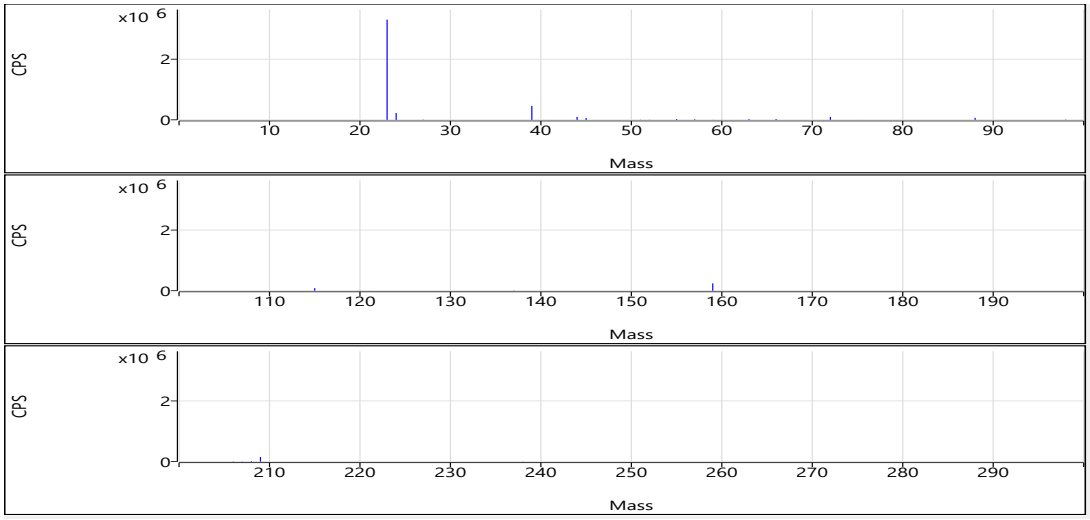


H2



Quantitation Report

He



Quantitation Report

Data File Name	205SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:56:03
Sample Name	180-193940-F-2-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

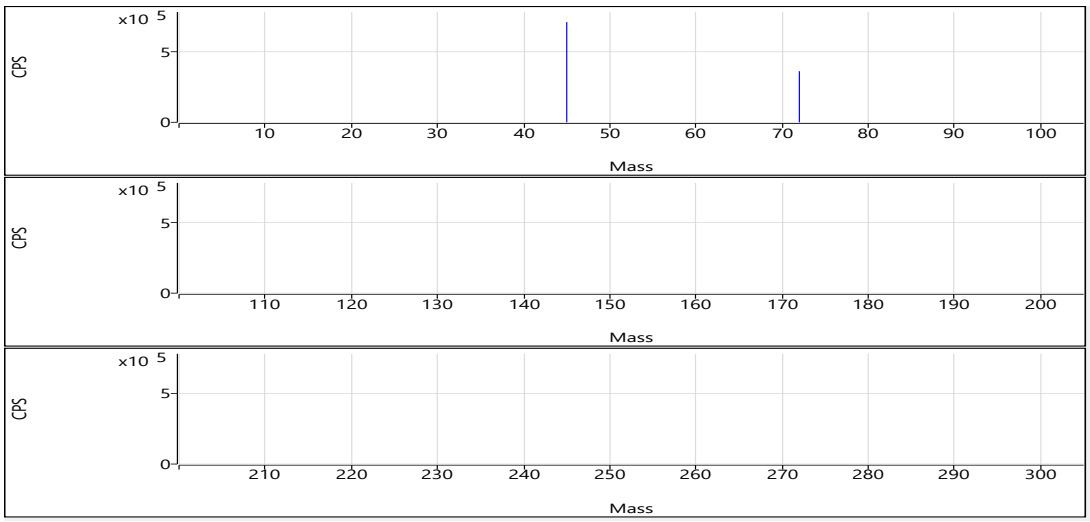
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.185	ppb	28.3	64.00	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.459	ppb	8.1	109.78	0.0002	Pulse	1.5000	3
Na	23	45	He	71767.264	ppb	0.4	16232875.18	281.3453	Analog	0.1000	3
Mg	24	45	He	12445.396	ppb	0.3	1430155.13	24.7871	Pulse	0.1000	3
Al	27	45	He	2880.527	ppb	2.7	116614.64	2.0210	Pulse	0.1000	3
K	39	45	He	39360.859	ppb	0.4	4255238.89	73.7501	Pulse	0.1000	3
Ca	44	45	He	114745.335	ppb	0.8	653774.64	11.3310	Pulse	0.1000	3
Ti	47	45	He	76.782	ppb	3.0	3053.83	0.0529	Pulse	0.1000	3
V	51	45	He	8.409	ppb	2.2	13688.48	0.2372	Pulse	0.5000	3
Cr	52	72	He	16.149	ppb	1.2	31909.19	0.3450	Pulse	0.1000	3
Mn	55	45	He	330.307	ppb	1.4	297374.20	5.1541	Pulse	0.1000	3
Fe	57	45	He	5096.272	ppb	0.6	184653.84	3.2004	Pulse	0.1000	3
Co	59	72	He	5.447	ppb	4.7	18178.59	0.1967	Pulse	0.1000	3
Ni	60	115	He	21.575	ppb	4.1	21259.59	0.2656	Pulse	0.1000	3
Cu	63	115	He	61.322	ppb	1.2	157934.79	1.9731	Pulse	0.1000	3
Zn	66	72	He	442.792	ppb	2.2	132257.54	1.4307	Pulse	0.1000	3
As	75	72	He	8.786	ppb	2.1	2097.50	0.0227	Pulse	0.5000	3
Sr	88	72	He	335.946	ppb	2.1	411366.14	4.4500	Pulse	0.1000	3
Mo	98	72	He	3.934	ppb	3.8	7522.27	0.0814	Pulse	0.1000	3
Ag	107	115	He	1.040	ppb	10.0	3894.01	0.0487	Pulse	0.1000	3
Cd	111	115	He	0.857	ppb	8.7	402.68	0.0050	Pulse	0.5000	3
Sn	120	115	He	2.370	ppb	6.9	8175.99	0.1021	Pulse	0.1000	3
Sb	121	115	He	4.755	ppb	3.4	6511.76	0.0814	Pulse	0.1000	3
Ba	137	115	He	140.581	ppb	0.9	70172.18	0.8767	Pulse	0.1000	3
Tl	205	209	He	0.048	ppb	8.7	360.02	0.0024	Pulse	0.1000	3
Pb	208	209	He	349.979	ppb	0.2	2789086.44	18.9010	Pulse	0.1000	3
U	238	209	He	0.426	ppb	6.7	3417.24	0.0232	Pulse	0.1000	3

ISTD Table:

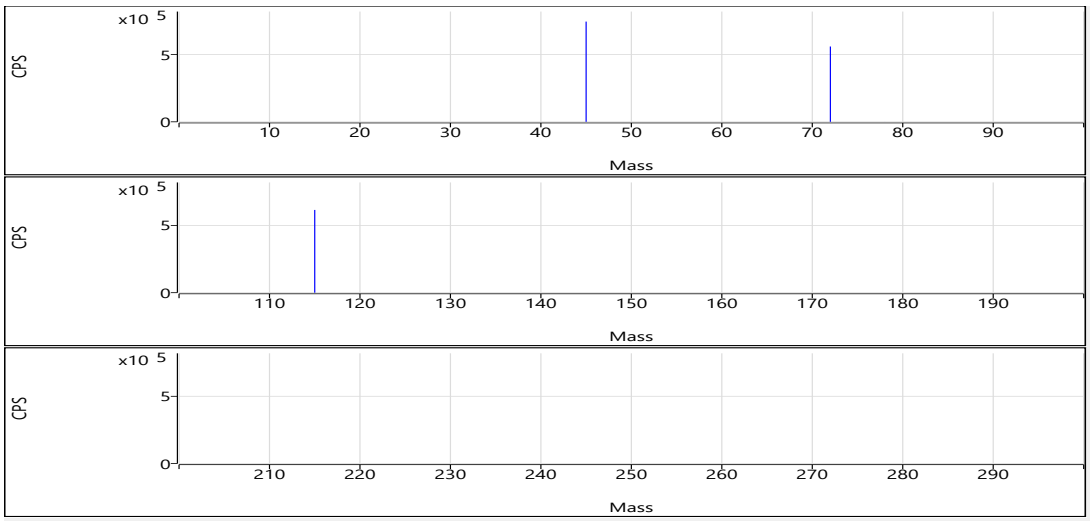
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	713502.41	0.2	104.4	Pulse	0.1000	3
No Gas	Ge	72	363691.39	0.8	100.6	Pulse	0.1000	3
H2	Sc	45	745714.44	1.1	96.4	Pulse	0.1000	3
H2	Ge	72	560383.54	0.4	103.0	Pulse	0.1000	3
H2	In	115	615729.74	0.3	111.6	Pulse	0.1000	3
He	Sc	45	57697.70	0.3	103.4	Pulse	0.1000	3
He	Ge	72	92469.98	2.2	103.5	Pulse	0.1000	3
He	In	115	80042.18	0.3	105.4	Pulse	0.1000	3
He	Tb	159	231354.27	1.0	105.3	Pulse	0.1000	3
He	Bi	209	147561.74	0.7	107.1	Pulse	0.1000	3

No Gas

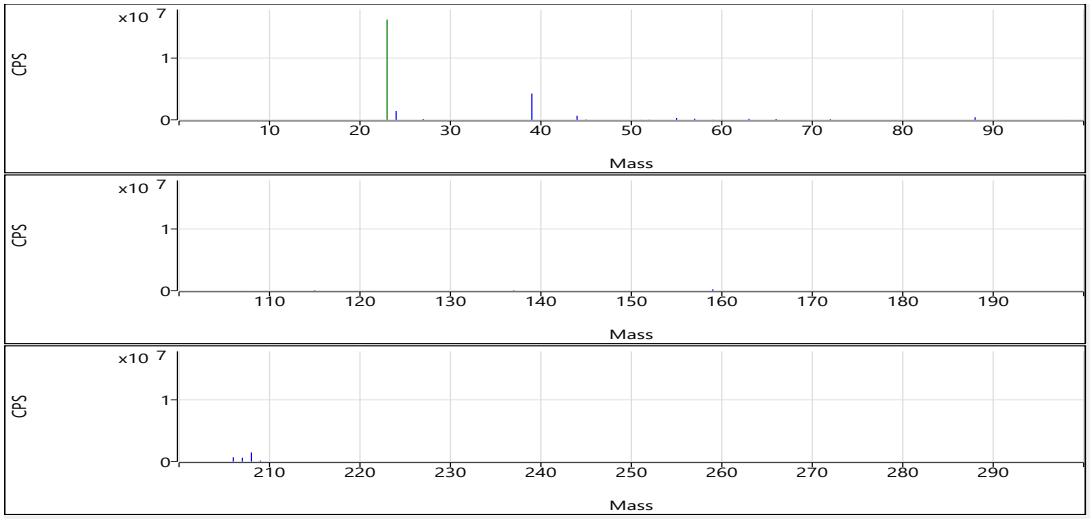


H2



Quantitation Report

He



Quantitation Report

Data File Name	206SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 21:58:09
Sample Name	410-235349-B-6-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

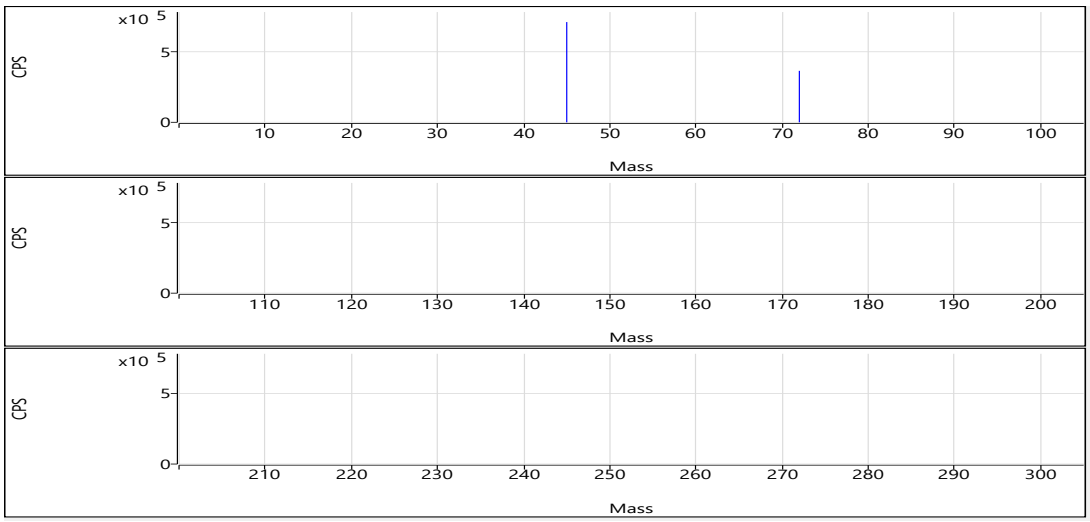
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.023	ppb	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.067	ppb	33.0	22.67	0.0000	Pulse	1.5000	3
Na	23	45	He	99939.712	ppb	1.5	22786856.33	391.6834	Analog	0.1000	3
Mg	24	45	He	1912.959	ppb	2.4	222170.57	3.8191	Pulse	0.1000	3
Al	27	45	He	6.903	ppb	34.6	433.36	0.0075	Pulse	0.1000	3
K	39	45	He	4900.959	ppb	1.6	560285.51	9.6307	Pulse	0.1000	3
Ca	44	45	He	15013.490	ppb	1.0	86484.54	1.4865	Pulse	0.1000	3
Ti	47	45	He	0.747	ppb	39.2	33.33	0.0006	Pulse	0.1000	3
V	51	45	He	0.035	ppb	44.2	1031.38	0.0177	Pulse	0.5000	3
Cr	52	72	He	-0.105	ppb	N/A	1873.52	0.0202	Pulse	0.1000	3
Mn	55	45	He	24.748	ppb	3.1	22708.29	0.3904	Pulse	0.1000	3
Fe	57	45	He	83.817	ppb	4.8	3310.49	0.0569	Pulse	0.1000	3
Co	59	72	He	0.261	ppb	11.8	1053.41	0.0114	Pulse	0.1000	3
Ni	60	115	He	3.215	ppb	5.4	4204.11	0.0521	Pulse	0.1000	3
Cu	63	115	He	443.106	ppb	1.7	1149032.79	14.2371	Pulse	0.1000	3
Zn	66	72	He	311.258	ppb	2.7	93176.25	1.0060	Pulse	0.1000	3
As	75	72	He	0.355	ppb	8.0	143.33	0.0015	Pulse	0.5000	3
Sr	88	72	He	70.946	ppb	0.7	87293.82	0.9424	Pulse	0.1000	3
Mo	98	72	He	2.102	ppb	3.6	4054.09	0.0438	Pulse	0.1000	3
Ag	107	115	He	0.031	ppb	23.4	150.01	0.0019	Pulse	0.1000	3
Cd	111	115	He	0.024	ppb	9.4	13.33	0.0002	Pulse	0.5000	3
Sn	120	115	He	0.204	ppb	153.1	4897.70	0.0607	Pulse	0.1000	3
Sb	121	115	He	0.202	ppb	20.7	303.35	0.0038	Pulse	0.1000	3
Ba	137	115	He	25.429	ppb	3.1	12879.84	0.1596	Pulse	0.1000	3
Tl	205	209	He	0.023	ppb	7.9	206.68	0.0015	Pulse	0.1000	3
Pb	208	209	He	0.721	ppb	3.8	5844.05	0.0411	Pulse	0.1000	3
U	238	209	He	0.797	ppb	6.1	6058.29	0.0426	Pulse	0.1000	3

ISTD Table:

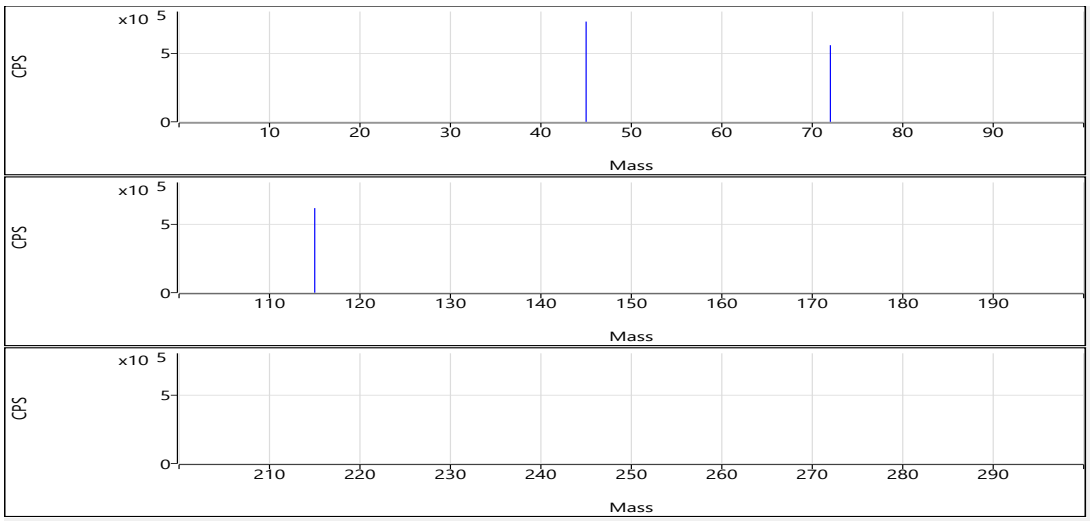
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	710554.44	0.3	103.9	Pulse	0.1000	3
No Gas	Ge	72	364863.20	0.5	100.9	Pulse	0.1000	3
H2	Sc	45	732508.01	1.0	94.7	Pulse	0.1000	3
H2	Ge	72	559985.15	0.5	102.9	Pulse	0.1000	3
H2	In	115	618138.23	1.0	112.1	Pulse	0.1000	3
He	Sc	45	58186.61	1.7	104.2	Pulse	0.1000	3
He	Ge	72	92633.82	0.7	103.7	Pulse	0.1000	3
He	In	115	80715.53	1.0	106.3	Pulse	0.1000	3
He	Tb	159	229709.92	0.6	104.5	Pulse	0.1000	3
He	Bi	209	142295.83	0.8	103.3	Pulse	0.1000	3

No Gas

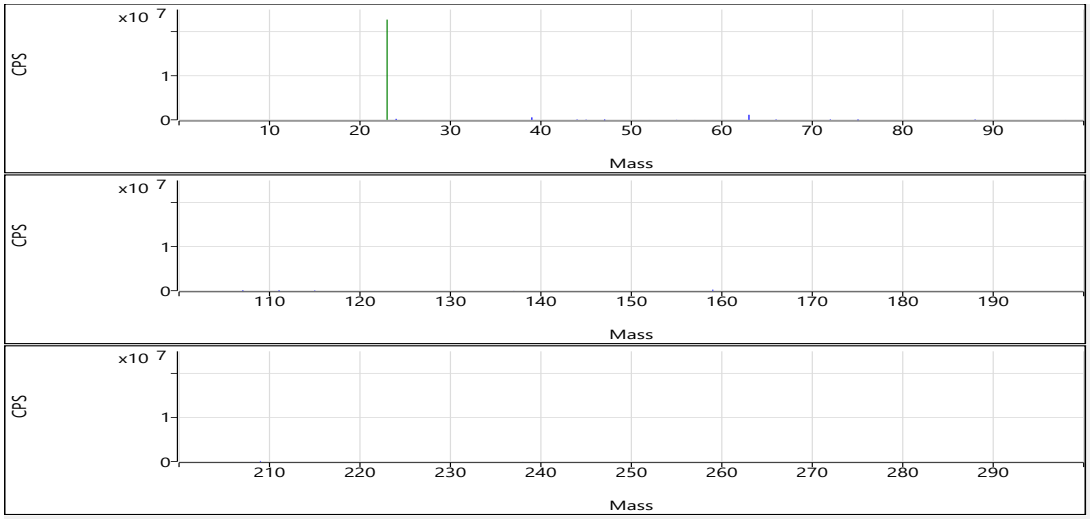


H2



Quantitation Report

He



Quantitation Report

Data File Name	207SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:00:14
Sample Name	410-235350-D-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

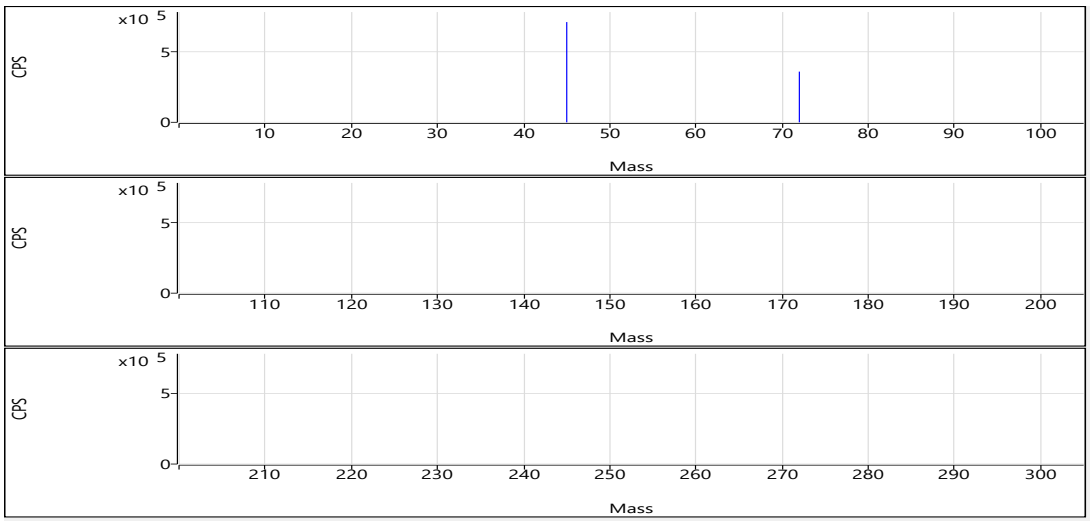
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.067	ppb	N/A	10.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.254	ppb	19.3	62.22	0.0001	Pulse	1.5000	3
Na	23	45	He	22565.388	ppb	0.6	5099237.84	88.6449	Analog	0.1000	3
Mg	24	45	He	20225.390	ppb	1.2	2316699.50	40.2756	Pulse	0.1000	3
Al	27	45	He	17.000	ppb	6.2	836.72	0.0145	Pulse	0.1000	3
K	39	45	He	2656.741	ppb	1.2	313777.39	5.4549	Pulse	0.1000	3
Ca	44	45	He	84961.889	ppb	1.0	482699.90	8.3911	Pulse	0.1000	3
Ti	47	45	He	0.837	ppb	106.3	36.67	0.0006	Pulse	0.1000	3
V	51	45	He	0.349	ppb	9.1	1492.09	0.0259	Pulse	0.5000	3
Cr	52	72	He	0.150	ppb	60.6	2250.25	0.0253	Pulse	0.1000	3
Mn	55	45	He	0.252	ppb	15.2	486.69	0.0085	Pulse	0.1000	3
Fe	57	45	He	15.011	ppb	21.6	790.05	0.0137	Pulse	0.1000	3
Co	59	72	He	0.104	ppb	26.0	513.37	0.0058	Pulse	0.1000	3
Ni	60	115	He	0.060	ppb	150.7	1226.76	0.0154	Pulse	0.1000	3
Cu	63	115	He	4.310	ppb	1.6	11298.09	0.1417	Pulse	0.1000	3
Zn	66	72	He	1.362	ppb	5.4	480.02	0.0054	Pulse	0.1000	3
As	75	72	He	0.467	ppb	17.7	162.67	0.0018	Pulse	0.5000	3
Sr	88	72	He	301.721	ppb	2.3	355177.68	3.9970	Pulse	0.1000	3
Mo	98	72	He	0.857	ppb	5.1	1616.81	0.0182	Pulse	0.1000	3
Ag	107	115	He	0.000	ppb	1448.4	36.67	0.0005	Pulse	0.1000	3
Cd	111	115	He	0.023	ppb	77.7	12.67	0.0002	Pulse	0.5000	3
Sn	120	115	He	-0.156	ppb	N/A	4287.49	0.0538	Pulse	0.1000	3
Sb	121	115	He	0.077	ppb	17.0	130.01	0.0016	Pulse	0.1000	3
Ba	137	115	He	65.239	ppb	2.8	32489.18	0.4075	Pulse	0.1000	3
Tl	205	209	He	0.028	ppb	35.7	233.35	0.0017	Pulse	0.1000	3
Pb	208	209	He	0.175	ppb	12.8	1630.11	0.0116	Pulse	0.1000	3
U	238	209	He	0.621	ppb	11.6	4701.01	0.0334	Pulse	0.1000	3

ISTD Table:

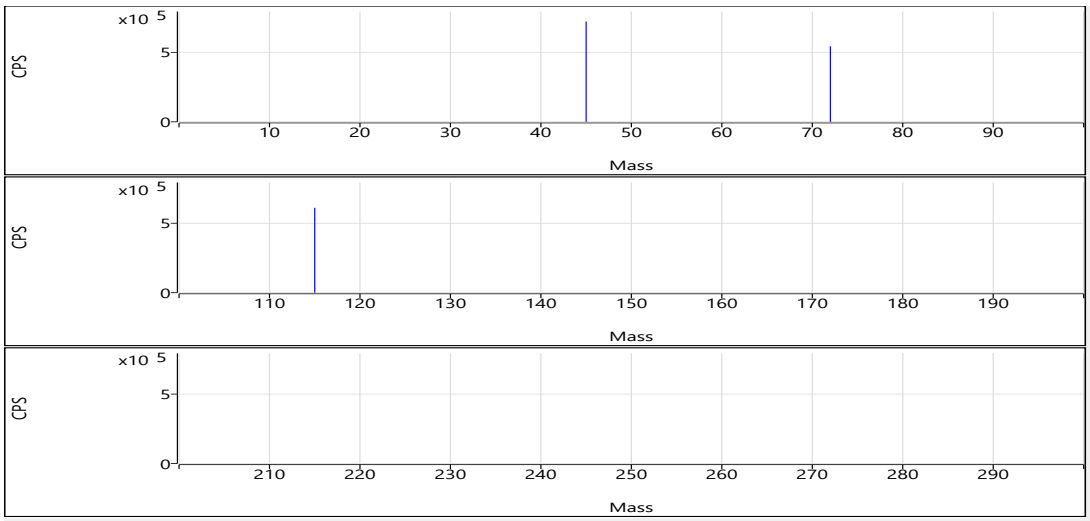
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	709316.86	0.9	103.8	Pulse	0.1000	3
No Gas	Ge	72	358630.83	0.6	99.2	Pulse	0.1000	3
H2	Sc	45	722530.51	2.8	93.4	Pulse	0.1000	3
H2	Ge	72	544247.14	0.8	100.0	Pulse	0.1000	3
H2	In	115	612204.56	0.1	111.0	Pulse	0.1000	3
He	Sc	45	57526.91	1.3	103.1	Pulse	0.1000	3
He	Ge	72	88891.11	2.3	99.5	Pulse	0.1000	3
He	In	115	79750.81	1.8	105.0	Pulse	0.1000	3
He	Tb	159	228830.90	0.4	104.1	Pulse	0.1000	3
He	Bi	209	140704.18	1.0	102.1	Pulse	0.1000	3

No Gas

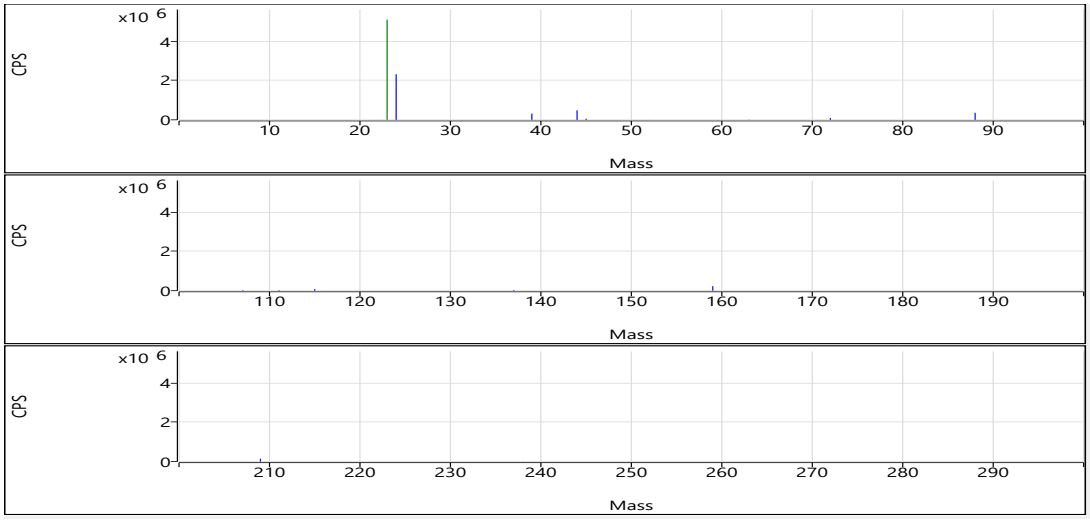


H2



Quantitation Report

He



Quantitation Report

Data File Name	208SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:02:20
Sample Name	410-235349-B-5-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

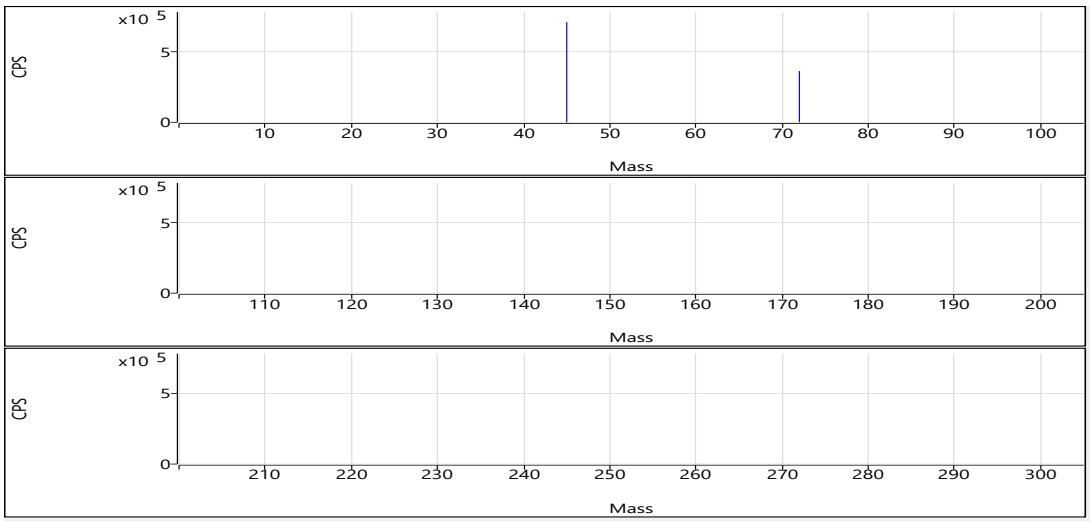
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.055	ppb	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.070	ppb	52.6	23.56	0.0000	Pulse	1.5000	3
Na	23	45	He	71259.814	ppb	1.9	15890183.93	279.3578	Analog	0.1000	3
Mg	24	45	He	8944.929	ppb	2.0	1013673.71	17.8184	Pulse	0.1000	3
Al	27	45	He	1.512	ppb	70.9	210.01	0.0037	Pulse	0.1000	3
K	39	45	He	8196.037	ppb	1.5	896676.47	15.7619	Pulse	0.1000	3
Ca	44	45	He	55190.982	ppb	2.2	310171.14	5.4524	Pulse	0.1000	3
Ti	47	45	He	1.100	ppb	33.3	46.67	0.0008	Pulse	0.1000	3
V	51	45	He	0.014	ppb	274.6	977.37	0.0172	Pulse	0.5000	3
Cr	52	72	He	-0.156	ppb	N/A	1740.16	0.0192	Pulse	0.1000	3
Mn	55	45	He	344.237	ppb	1.9	305538.70	5.3712	Pulse	0.1000	3
Fe	57	45	He	16.332	ppb	8.0	826.72	0.0145	Pulse	0.1000	3
Co	59	72	He	0.382	ppb	11.9	1426.78	0.0157	Pulse	0.1000	3
Ni	60	115	He	7.459	ppb	5.1	8062.49	0.1015	Pulse	0.1000	3
Cu	63	115	He	718.956	ppb	0.8	1834276.95	23.0983	Pulse	0.1000	3
Zn	66	72	He	237.977	ppb	0.4	69775.99	0.7694	Pulse	0.1000	3
As	75	72	He	0.295	ppb	8.5	126.67	0.0014	Pulse	0.5000	3
Sr	88	72	He	255.265	ppb	0.5	306705.24	3.3821	Pulse	0.1000	3
Mo	98	72	He	0.954	ppb	11.9	1833.52	0.0202	Pulse	0.1000	3
Ag	107	115	He	0.019	ppb	31.1	103.33	0.0013	Pulse	0.1000	3
Cd	111	115	He	0.040	ppb	37.2	20.67	0.0003	Pulse	0.5000	3
Sn	120	115	He	-0.020	ppb	N/A	4470.88	0.0564	Pulse	0.1000	3
Sb	121	115	He	0.081	ppb	12.7	133.34	0.0017	Pulse	0.1000	3
Ba	137	115	He	85.302	ppb	1.2	42292.44	0.5324	Pulse	0.1000	3
Tl	205	209	He	0.031	ppb	38.0	246.68	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.280	ppb	7.2	2420.18	0.0172	Pulse	0.1000	3
U	238	209	He	1.584	ppb	2.7	11769.08	0.0838	Pulse	0.1000	3

ISTD Table:

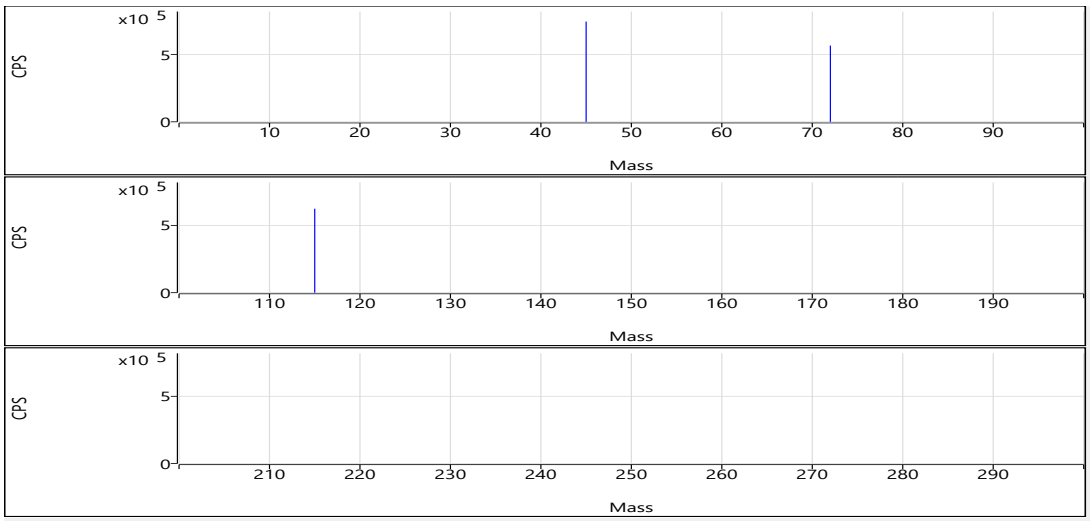
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	711260.51	1.1	104.0	Pulse	0.1000	3
No Gas	Ge	72	363544.11	1.0	100.5	Pulse	0.1000	3
H2	Sc	45	742274.65	3.0	96.0	Pulse	0.1000	3
H2	Ge	72	564612.31	1.1	103.8	Pulse	0.1000	3
H2	In	115	622103.75	0.7	112.8	Pulse	0.1000	3
He	Sc	45	56901.47	2.9	101.9	Pulse	0.1000	3
He	Ge	72	90688.50	2.1	101.5	Pulse	0.1000	3
He	In	115	79421.06	2.2	104.6	Pulse	0.1000	3
He	Tb	159	228613.23	2.1	104.0	Pulse	0.1000	3
He	Bi	209	140437.30	1.3	101.9	Pulse	0.1000	3

No Gas

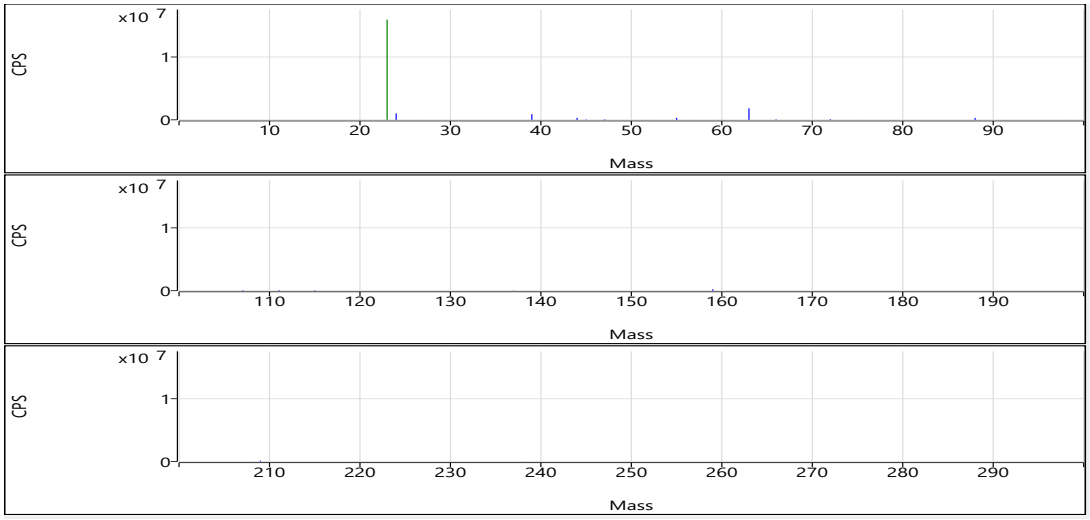


H2



Quantitation Report

He



Quantitation Report

Data File Name	209SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:04:25
Sample Name	410-235352-D-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

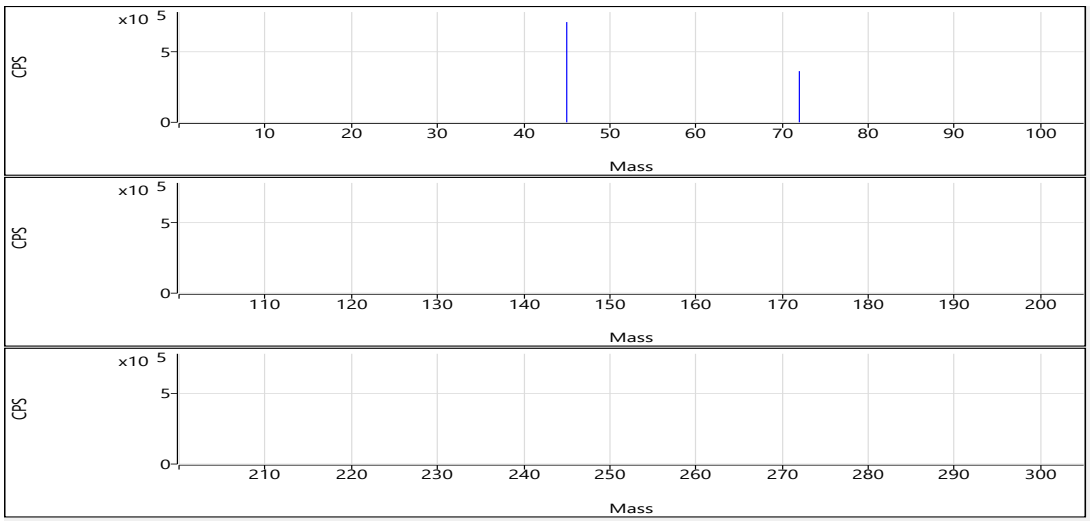
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.023	ppb	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.092	ppb	9.7	27.33	0.0001	Pulse	1.5000	3
Na	23	45	He	97735.632	ppb	1.0	21804277.17	383.0511	Analog	0.1000	3
Mg	24	45	He	27.968	ppb	7.7	3783.94	0.0665	Pulse	0.1000	3
Al	27	45	He	0.346	ppb	278.2	163.34	0.0029	Pulse	0.1000	3
K	39	45	He	111.671	ppb	15.6	40951.25	0.7193	Pulse	0.1000	3
Ca	44	45	He	212.662	ppb	8.6	1450.12	0.0255	Pulse	0.1000	3
Ti	47	45	He	0.761	ppb	102.0	33.33	0.0006	Pulse	0.1000	3
V	51	45	He	0.003	ppb	693.4	960.71	0.0169	Pulse	0.5000	3
Cr	52	72	He	0.019	ppb	234.8	2043.55	0.0227	Pulse	0.1000	3
Mn	55	45	He	0.539	ppb	12.3	736.71	0.0129	Pulse	0.1000	3
Fe	57	45	He	-0.228	ppb	N/A	236.68	0.0042	Pulse	0.1000	3
Co	59	72	He	0.056	ppb	45.9	363.35	0.0040	Pulse	0.1000	3
Ni	60	115	He	-0.001	ppb	N/A	1143.41	0.0147	Pulse	0.1000	3
Cu	63	115	He	7.875	ppb	2.6	19924.33	0.2562	Pulse	0.1000	3
Zn	66	72	He	32.317	ppb	2.4	9476.78	0.1054	Pulse	0.1000	3
As	75	72	He	0.142	ppb	74.7	91.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	0.691	ppb	13.0	1120.09	0.0125	Pulse	0.1000	3
Mo	98	72	He	0.098	ppb	40.6	233.34	0.0026	Pulse	0.1000	3
Ag	107	115	He	0.007	ppb	101.9	60.00	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.012	ppb	59.5	7.33	0.0001	Pulse	0.5000	3
Sn	120	115	He	1.280	ppb	198.6	6325.01	0.0813	Pulse	0.1000	3
Sb	121	115	He	0.012	ppb	107.4	40.00	0.0005	Pulse	0.1000	3
Ba	137	115	He	0.249	ppb	73.8	216.68	0.0028	Pulse	0.1000	3
Tl	205	209	He	0.003	ppb	369.8	86.67	0.0006	Pulse	0.1000	3
Pb	208	209	He	0.620	ppb	1.1	5000.56	0.0356	Pulse	0.1000	3
U	238	209	He	0.123	ppb	19.7	1023.41	0.0073	Pulse	0.1000	3

ISTD Table:

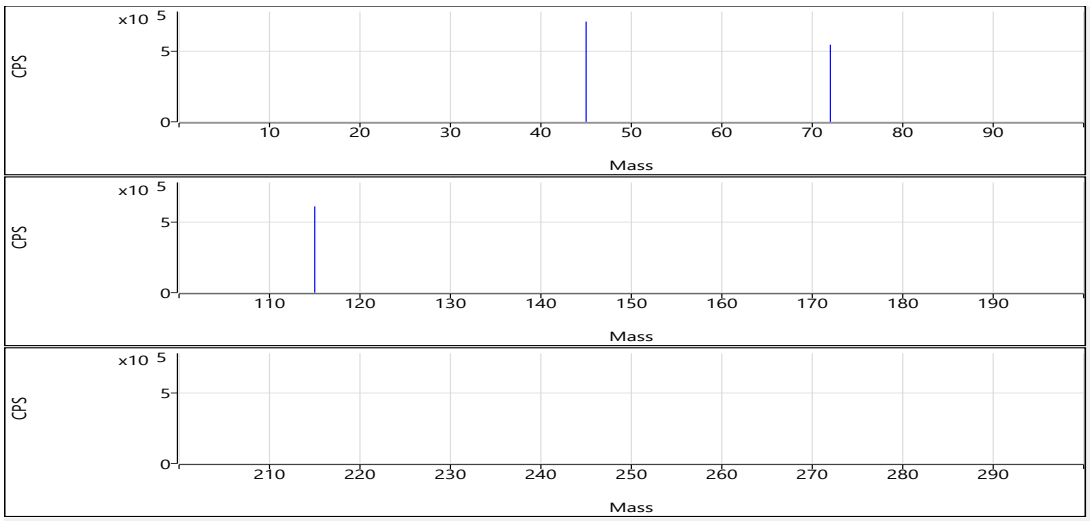
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	705520.79	0.6	103.2	Pulse	0.1000	3
No Gas	Ge	72	360184.84	0.6	99.6	Pulse	0.1000	3
H2	Sc	45	705787.05	2.5	91.2	Pulse	0.1000	3
H2	Ge	72	543174.76	1.1	99.9	Pulse	0.1000	3
H2	In	115	607771.62	0.8	110.2	Pulse	0.1000	3
He	Sc	45	56924.90	0.6	102.0	Pulse	0.1000	3
He	Ge	72	89940.71	1.1	100.7	Pulse	0.1000	3
He	In	115	77777.21	1.4	102.4	Pulse	0.1000	3
He	Tb	159	225363.18	1.1	102.5	Pulse	0.1000	3
He	Bi	209	140378.41	1.3	101.9	Pulse	0.1000	3

No Gas

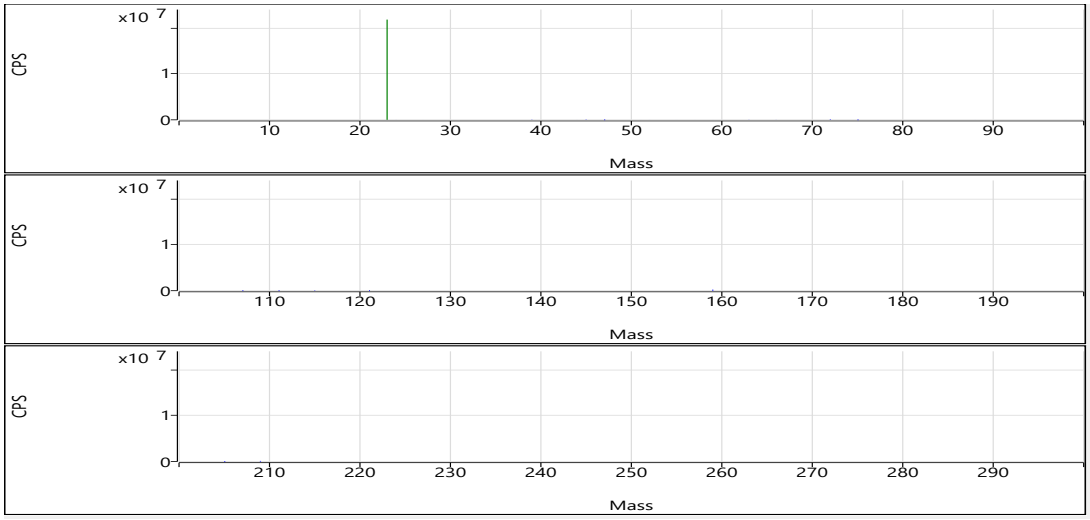


H2



Quantitation Report

He



Quantitation Report

Data File Name	210SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:06:31
Sample Name	410-235349-B-1-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

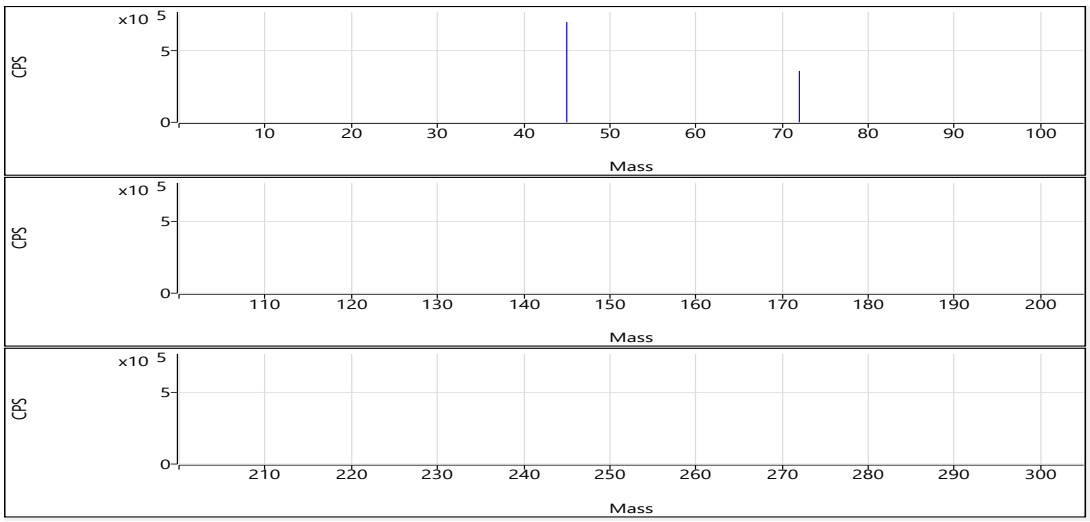
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.070	ppb	N/A	9.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.038	ppb	52.3	16.00	0.0000	Pulse	1.5000	3
Na	23	45	He	4483.862	ppb	1.1	1015792.56	17.8281	Pulse	0.1000	3
Mg	24	45	He	45.565	ppb	14.5	5778.02	0.1015	Pulse	0.1000	3
Al	27	45	He	1.260	ppb	23.4	200.01	0.0035	Pulse	0.1000	3
K	39	45	He	183.152	ppb	13.4	48540.72	0.8523	Pulse	0.1000	3
Ca	44	45	He	325.070	ppb	7.9	2083.57	0.0366	Pulse	0.1000	3
Ti	47	45	He	0.343	ppb	115.1	16.67	0.0003	Pulse	0.1000	3
V	51	45	He	-0.039	ppb	N/A	899.37	0.0158	Pulse	0.5000	3
Cr	52	72	He	-0.220	ppb	N/A	1653.49	0.0179	Pulse	0.1000	3
Mn	55	45	He	1.009	ppb	11.6	1153.43	0.0203	Pulse	0.1000	3
Fe	57	45	He	0.136	ppb	893.4	250.01	0.0044	Pulse	0.1000	3
Co	59	72	He	0.011	ppb	39.5	226.68	0.0025	Pulse	0.1000	3
Ni	60	115	He	-0.199	ppb	N/A	993.40	0.0124	Pulse	0.1000	3
Cu	63	115	He	1.003	ppb	13.9	2840.39	0.0355	Pulse	0.1000	3
Zn	66	72	He	0.840	ppb	19.0	343.35	0.0037	Pulse	0.1000	3
As	75	72	He	0.133	ppb	42.0	91.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	1.644	ppb	3.6	2313.62	0.0251	Pulse	0.1000	3
Mo	98	72	He	0.059	ppb	14.8	166.68	0.0018	Pulse	0.1000	3
Ag	107	115	He	-0.001	ppb	N/A	33.33	0.0004	Pulse	0.1000	3
Cd	111	115	He	0.000	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	115	He	-0.120	ppb	N/A	4370.85	0.0545	Pulse	0.1000	3
Sb	121	115	He	0.018	ppb	32.7	50.00	0.0006	Pulse	0.1000	3
Ba	137	115	He	1.421	ppb	17.2	806.72	0.0101	Pulse	0.1000	3
Tl	205	209	He	0.007	ppb	120.3	113.34	0.0008	Pulse	0.1000	3
Pb	208	209	He	0.065	ppb	4.2	813.38	0.0056	Pulse	0.1000	3
U	238	209	He	0.007	ppb	34.7	173.34	0.0012	Pulse	0.1000	3

ISTD Table:

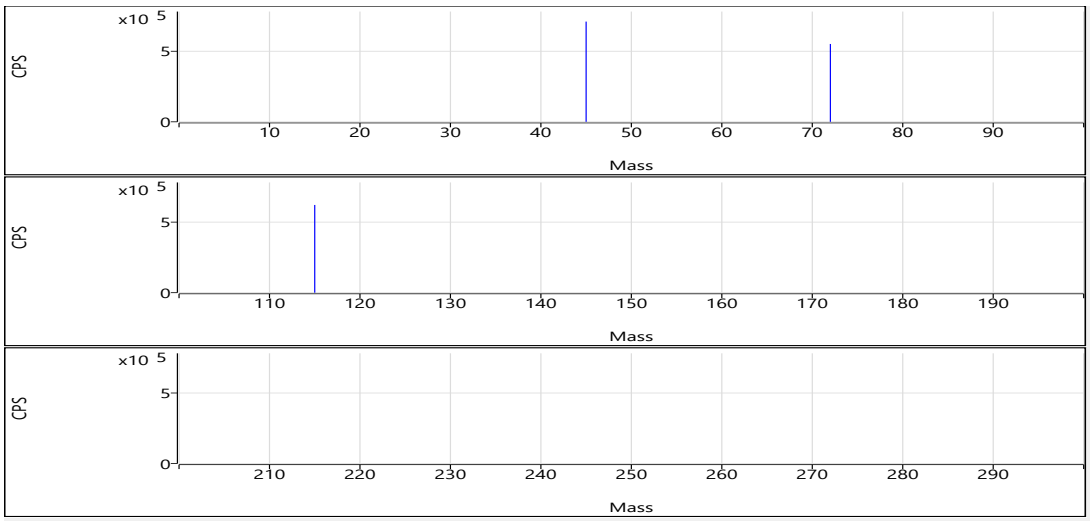
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	701830.09	0.6	102.7	Pulse	0.1000	3
No Gas	Ge	72	359941.32	0.5	99.5	Pulse	0.1000	3
H2	Sc	45	708662.23	4.1	91.6	Pulse	0.1000	3
H2	Ge	72	550460.68	1.4	101.2	Pulse	0.1000	3
H2	In	115	620300.30	0.7	112.5	Pulse	0.1000	3
He	Sc	45	56984.56	1.9	102.1	Pulse	0.1000	3
He	Ge	72	92284.79	0.8	103.3	Pulse	0.1000	3
He	In	115	80326.81	3.9	105.8	Pulse	0.1000	3
He	Tb	159	230848.29	0.5	105.0	Pulse	0.1000	3
He	Bi	209	144697.66	1.5	105.0	Pulse	0.1000	3

No Gas

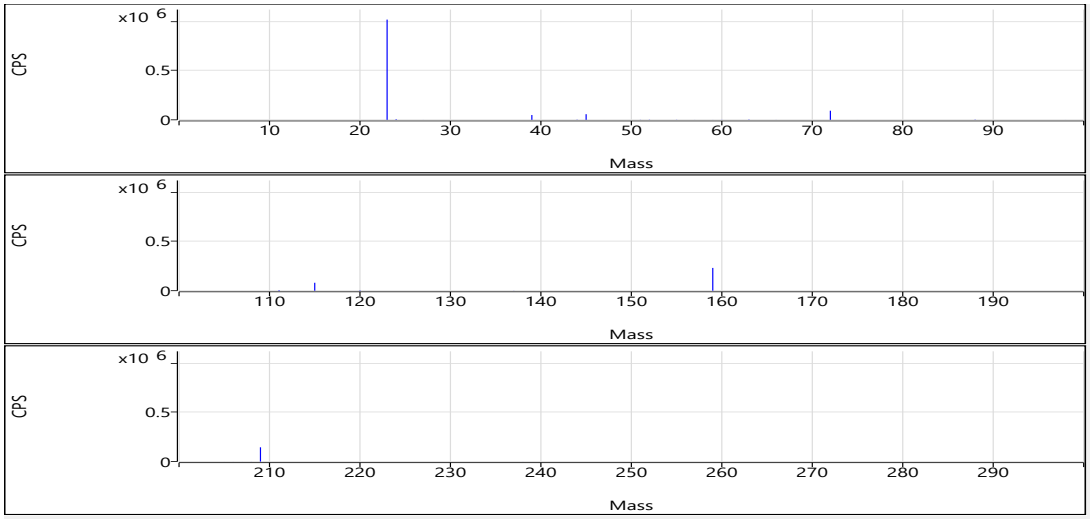


H2



Quantitation Report

He



Quantitation Report

Data File Name	211SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:08:37
Sample Name	410-235349-B-4-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

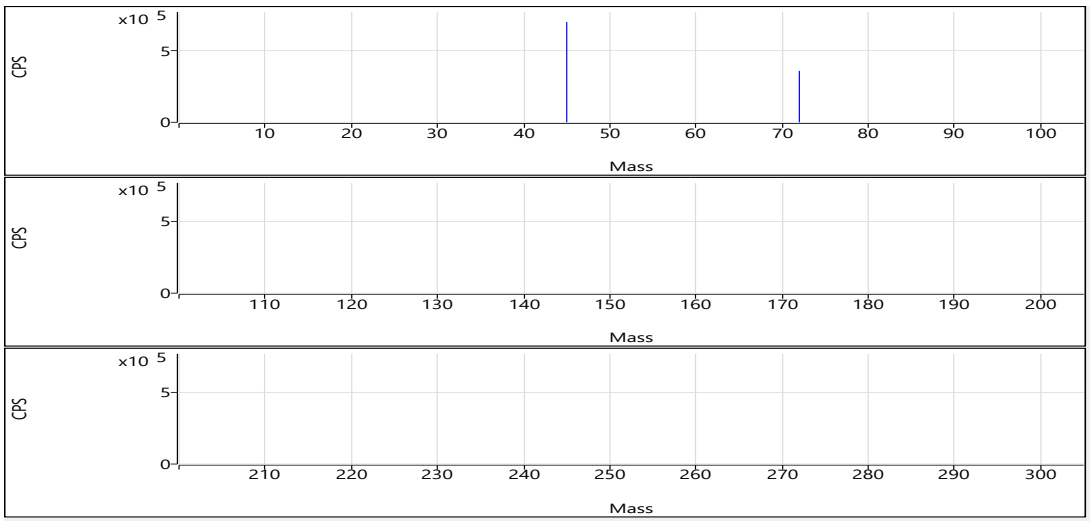
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.051	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.031	ppb	55.0	14.89	0.0000	Pulse	1.5000	3
Na	23	45	He	5266.288	ppb	2.3	1251207.77	20.8925	Pulse	0.1000	3
Mg	24	45	He	4532.660	ppb	2.0	541077.05	9.0344	Pulse	0.1000	3
Al	27	45	He	8.580	ppb	23.9	516.70	0.0086	Pulse	0.1000	3
K	39	45	He	217.778	ppb	6.9	54903.15	0.9167	Pulse	0.1000	3
Ca	44	45	He	4359.676	ppb	0.5	26050.47	0.4348	Pulse	0.1000	3
Ti	47	45	He	0.312	ppb	116.9	16.67	0.0003	Pulse	0.1000	3
V	51	45	He	-0.021	ppb	N/A	974.71	0.0163	Pulse	0.5000	3
Cr	52	72	He	0.195	ppb	7.1	2483.63	0.0262	Pulse	0.1000	3
Mn	55	45	He	4.552	ppb	4.2	4520.84	0.0755	Pulse	0.1000	3
Fe	57	45	He	6.382	ppb	21.0	496.69	0.0083	Pulse	0.1000	3
Co	59	72	He	0.054	ppb	53.5	376.69	0.0040	Pulse	0.1000	3
Ni	60	115	He	0.251	ppb	30.6	1456.79	0.0176	Pulse	0.1000	3
Cu	63	115	He	0.601	ppb	11.6	1863.52	0.0225	Pulse	0.1000	3
Zn	66	72	He	5.086	ppb	0.1	1650.16	0.0174	Pulse	0.1000	3
As	75	72	He	0.070	ppb	152.7	78.67	0.0008	Pulse	0.5000	3
Sr	88	72	He	58.444	ppb	1.6	73557.18	0.7769	Pulse	0.1000	3
Mo	98	72	He	0.024	ppb	97.2	103.34	0.0011	Pulse	0.1000	3
Ag	107	115	He	0.003	ppb	141.9	50.00	0.0006	Pulse	0.1000	3
Cd	111	115	He	0.002	ppb	493.2	3.33	0.0000	Pulse	0.5000	3
Sn	120	115	He	0.584	ppb	28.5	5618.05	0.0680	Pulse	0.1000	3
Sb	121	115	He	0.070	ppb	36.8	123.34	0.0015	Pulse	0.1000	3
Ba	137	115	He	1.828	ppb	5.7	1043.40	0.0126	Pulse	0.1000	3
Tl	205	209	He	0.004	ppb	81.2	100.00	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.263	ppb	7.8	2416.85	0.0163	Pulse	0.1000	3
U	238	209	He	0.035	ppb	31.7	393.36	0.0027	Pulse	0.1000	3

ISTD Table:

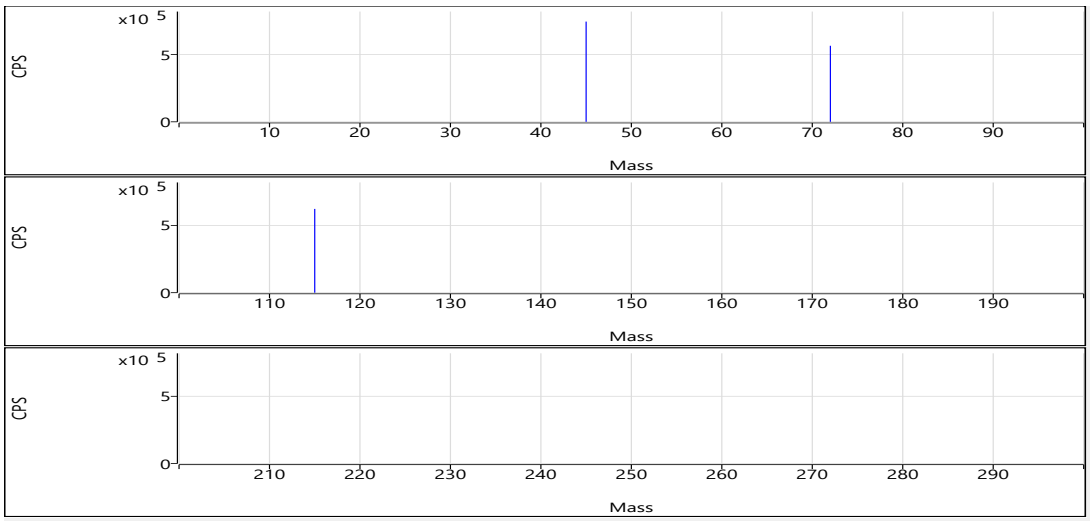
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	702724.78	0.5	102.8	Pulse	0.1000	3
No Gas	Ge	72	360314.71	1.2	99.6	Pulse	0.1000	3
H2	Sc	45	750881.86	2.0	97.1	Pulse	0.1000	3
H2	Ge	72	569675.66	0.5	104.7	Pulse	0.1000	3
H2	In	115	627685.79	0.6	113.8	Pulse	0.1000	3
He	Sc	45	59910.06	2.4	107.3	Pulse	0.1000	3
He	Ge	72	94683.88	0.6	106.0	Pulse	0.1000	3
He	In	115	82723.91	2.0	108.9	Pulse	0.1000	3
He	Tb	159	237040.76	0.0	107.8	Pulse	0.1000	3
He	Bi	209	147977.63	1.7	107.4	Pulse	0.1000	3

No Gas

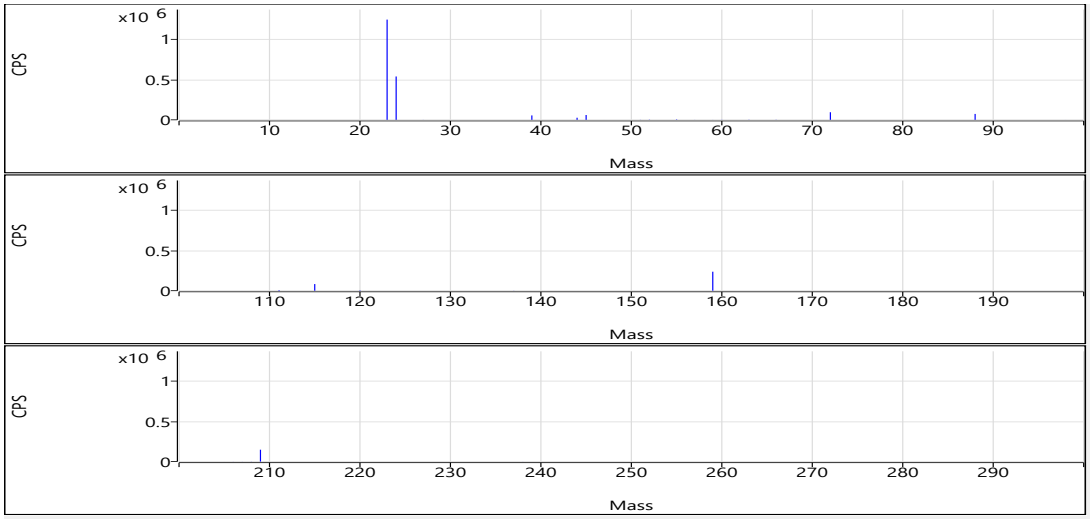


H2



Quantitation Report

He



Quantitation Report

Data File Name	212SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:10:43
Sample Name	410-235349-B-7-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

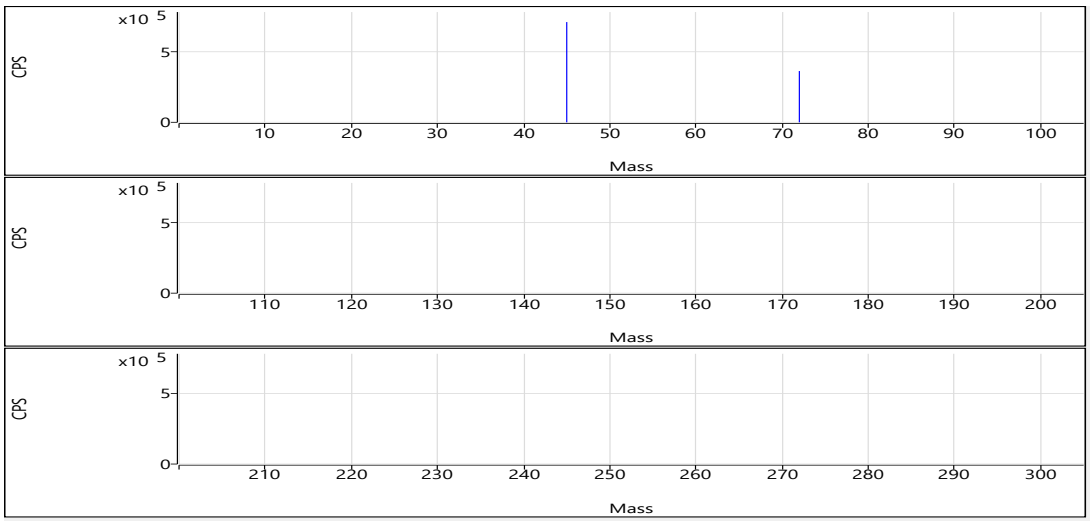
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.051	ppb	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.044	ppb	18.3	17.33	0.0000	Pulse	1.5000	3
Na	23	45	He	104725.956	ppb	2.2	23191974.65	410.4288	Analog	0.1000	3
Mg	24	45	He	1256.961	ppb	2.1	142014.75	2.5132	Pulse	0.1000	3
Al	27	45	He	0.791	ppb	48.6	180.01	0.0032	Pulse	0.1000	3
K	39	45	He	4321.045	ppb	1.1	483301.82	8.5517	Pulse	0.1000	3
Ca	44	45	He	10761.704	ppb	2.4	60278.52	1.0668	Pulse	0.1000	3
Ti	47	45	He	0.261	ppb	154.4	13.33	0.0002	Pulse	0.1000	3
V	51	45	He	-0.059	ppb	N/A	863.37	0.0153	Pulse	0.5000	3
Cr	52	72	He	-0.185	ppb	N/A	1690.15	0.0186	Pulse	0.1000	3
Mn	55	45	He	0.636	ppb	7.4	816.72	0.0145	Pulse	0.1000	3
Fe	57	45	He	3.768	ppb	41.9	376.69	0.0067	Pulse	0.1000	3
Co	59	72	He	0.039	ppb	41.9	313.35	0.0034	Pulse	0.1000	3
Ni	60	115	He	-0.210	ppb	N/A	970.07	0.0123	Pulse	0.1000	3
Cu	63	115	He	8.406	ppb	0.8	21623.39	0.2733	Pulse	0.1000	3
Zn	66	72	He	0.393	ppb	12.8	206.68	0.0023	Pulse	0.1000	3
As	75	72	He	0.072	ppb	46.7	76.00	0.0008	Pulse	0.5000	3
Sr	88	72	He	52.576	ppb	3.6	63479.12	0.6992	Pulse	0.1000	3
Mo	98	72	He	0.957	ppb	3.7	1840.20	0.0202	Pulse	0.1000	3
Ag	107	115	He	0.009	ppb	65.3	66.67	0.0008	Pulse	0.1000	3
Cd	111	115	He	0.010	ppb	26.3	6.67	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.102	ppb	N/A	4337.49	0.0548	Pulse	0.1000	3
Sb	121	115	He	0.024	ppb	159.4	56.67	0.0007	Pulse	0.1000	3
Ba	137	115	He	4.146	ppb	3.4	2140.24	0.0270	Pulse	0.1000	3
Tl	205	209	He	0.006	ppb	78.7	103.33	0.0007	Pulse	0.1000	3
Pb	208	209	He	0.048	ppb	49.2	663.37	0.0047	Pulse	0.1000	3
U	238	209	He	0.035	ppb	19.1	380.02	0.0027	Pulse	0.1000	3

ISTD Table:

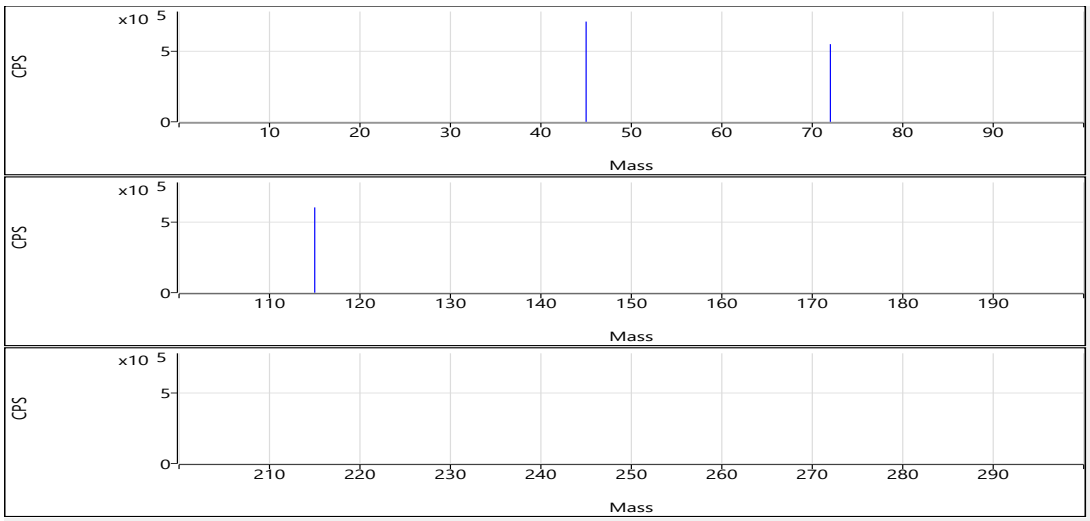
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	707790.30	0.1	103.5	Pulse	0.1000	3
No Gas	Ge	72	361919.70	0.4	100.1	Pulse	0.1000	3
H2	Sc	45	715108.32	3.4	92.4	Pulse	0.1000	3
H2	Ge	72	554192.23	0.9	101.9	Pulse	0.1000	3
H2	In	115	608456.12	0.8	110.3	Pulse	0.1000	3
He	Sc	45	56523.14	2.0	101.3	Pulse	0.1000	3
He	Ge	72	90832.48	2.2	101.7	Pulse	0.1000	3
He	In	115	79130.36	0.6	104.2	Pulse	0.1000	3
He	Tb	159	227999.48	0.0	103.7	Pulse	0.1000	3
He	Bi	209	140601.65	0.6	102.1	Pulse	0.1000	3

No Gas

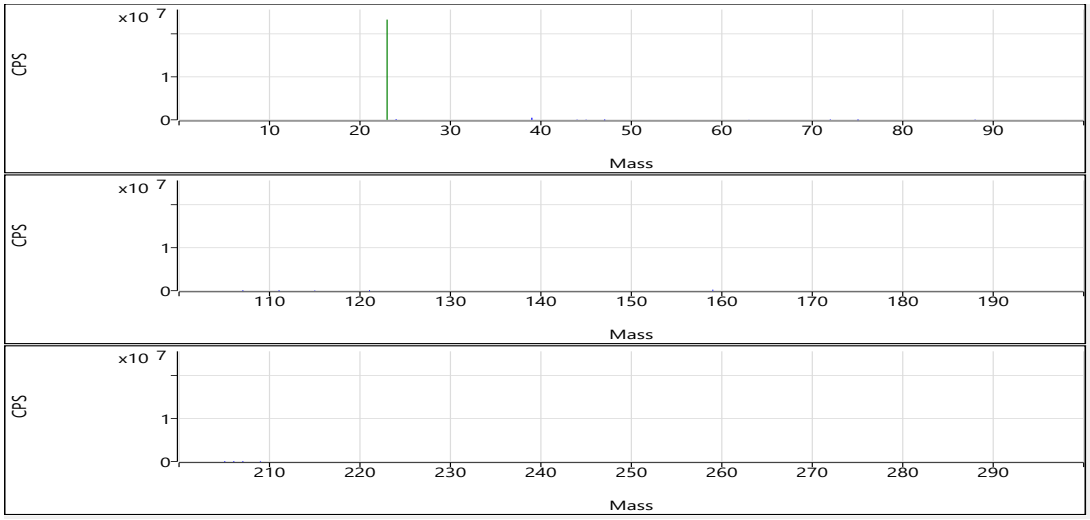


H2



Quantitation Report

He



Quantitation Report

Data File Name	214_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:14:54
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

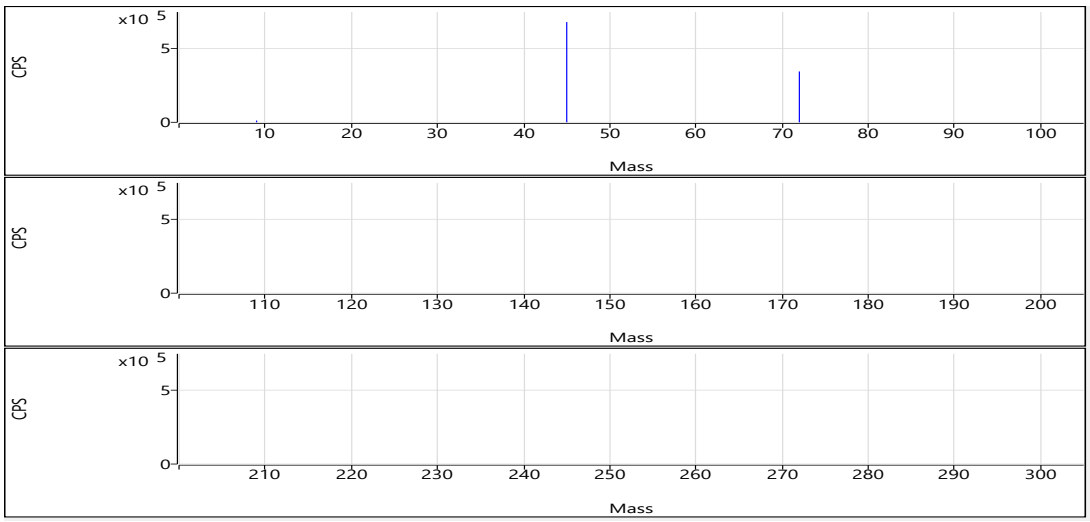
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	58.272	ppb	1.2	11890.76	0.0175	Pulse	0.5000	3
Se	78	72	H2	52.073	ppb	2.7	10951.49	0.0206	Pulse	1.5000	3
Na	23	45	He	5352.789	ppb	1.6	1163804.90	21.2313	Pulse	0.1000	3
Mg	24	45	He	5022.730	ppb	2.2	548670.92	10.0101	Pulse	0.1000	3
Al	27	45	He	5102.230	ppb	1.3	196123.98	3.5778	Pulse	0.1000	3
K	39	45	He	5150.665	ppb	1.7	553381.93	10.0953	Pulse	0.1000	3
Ca	44	45	He	5157.455	ppb	2.1	28161.15	0.5136	Pulse	0.1000	3
Ti	47	45	He	5074.012	ppb	2.1	191501.62	3.4937	Pulse	0.1000	3
V	51	45	He	512.570	ppb	1.7	737440.92	13.4533	Pulse	0.5000	3
Cr	52	72	He	521.615	ppb	1.0	906321.44	10.4452	Pulse	0.1000	3
Mn	55	45	He	513.852	ppb	1.3	439386.33	8.0156	Pulse	0.1000	3
Fe	57	45	He	5100.476	ppb	1.6	175572.52	3.2030	Pulse	0.1000	3
Co	59	72	He	519.116	ppb	0.6	1610032.89	18.5552	Pulse	0.1000	3
Ni	60	115	He	497.530	ppb	1.6	442637.85	5.8013	Pulse	0.1000	3
Cu	63	115	He	495.849	ppb	1.3	1215609.57	15.9314	Pulse	0.1000	3
Zn	66	72	He	517.082	ppb	1.9	144953.49	1.6705	Pulse	0.1000	3
As	75	72	He	524.106	ppb	0.8	114101.48	1.3150	Pulse	0.5000	3
Sr	88	72	He	51.906	ppb	1.8	59899.92	0.6904	Pulse	0.1000	3
Mo	98	72	He	51.989	ppb	2.0	92706.45	1.0685	Pulse	0.1000	3
Ag	107	115	He	50.727	ppb	3.2	179399.65	2.3516	Pulse	0.1000	3
Cd	111	115	He	50.428	ppb	2.3	22474.65	0.2946	Pulse	0.5000	3
Sn	120	115	He	50.649	ppb	1.8	78323.48	1.0265	Pulse	0.1000	3
Sb	121	115	He	50.902	ppb	0.6	66237.90	0.8680	Pulse	0.1000	3
Ba	137	115	He	510.051	ppb	1.6	242448.77	3.1776	Pulse	0.1000	3
Tl	205	209	He	50.598	ppb	0.6	282704.95	2.0529	Pulse	0.1000	3
Pb	208	209	He	50.576	ppb	0.7	376404.64	2.7333	Pulse	0.1000	3
U	238	209	He	50.406	ppb	0.0	363662.47	2.6408	Pulse	0.1000	3

ISTD Table:

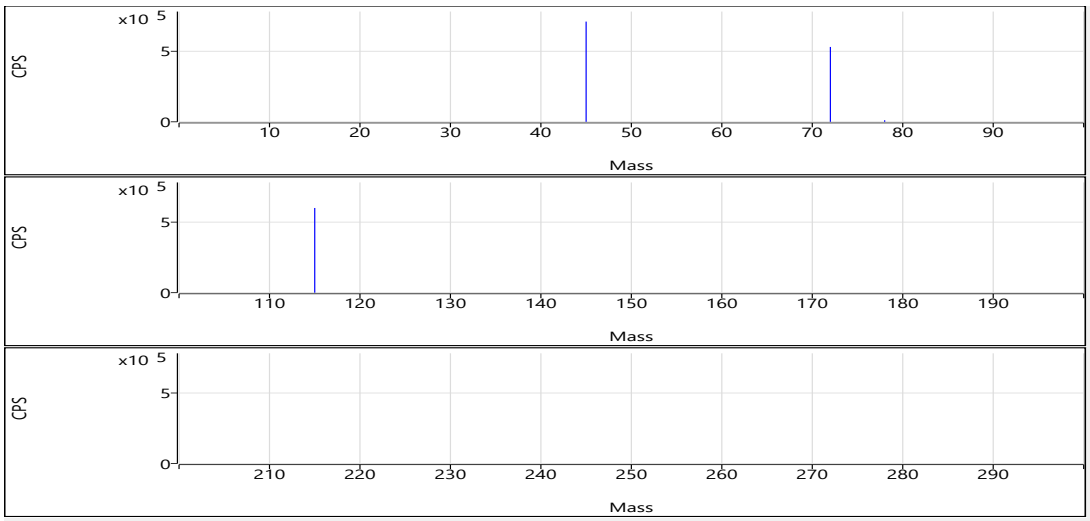
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	679877.20	1.1	99.5	Pulse	0.1000	3
No Gas	Ge	72	344878.51	1.3	95.3	Pulse	0.1000	3
H2	Sc	45	710063.69	2.7	91.8	Pulse	0.1000	3
H2	Ge	72	530411.50	1.1	97.5	Pulse	0.1000	3
H2	In	115	600107.18	1.0	108.8	Pulse	0.1000	3
He	Sc	45	54823.28	1.4	98.2	Pulse	0.1000	3
He	Ge	72	86771.19	0.4	97.2	Pulse	0.1000	3
He	In	115	76314.36	1.7	100.5	Pulse	0.1000	3
He	Tb	159	221977.65	1.1	101.0	Pulse	0.1000	3
He	Bi	209	137711.06	0.5	100.0	Pulse	0.1000	3

No Gas

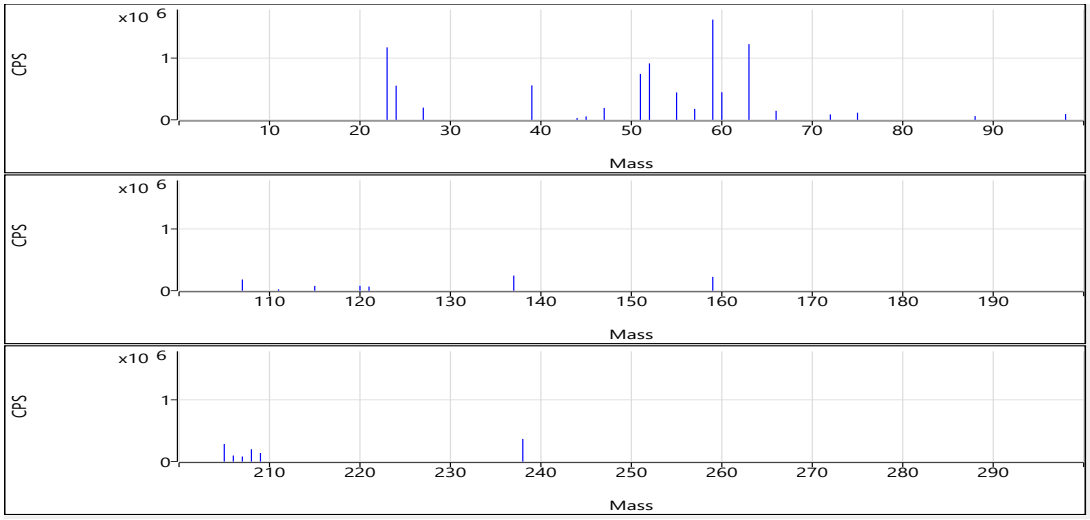


H2



Quantitation Report

He



Quantitation Report

Data File Name	216_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:19:07
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

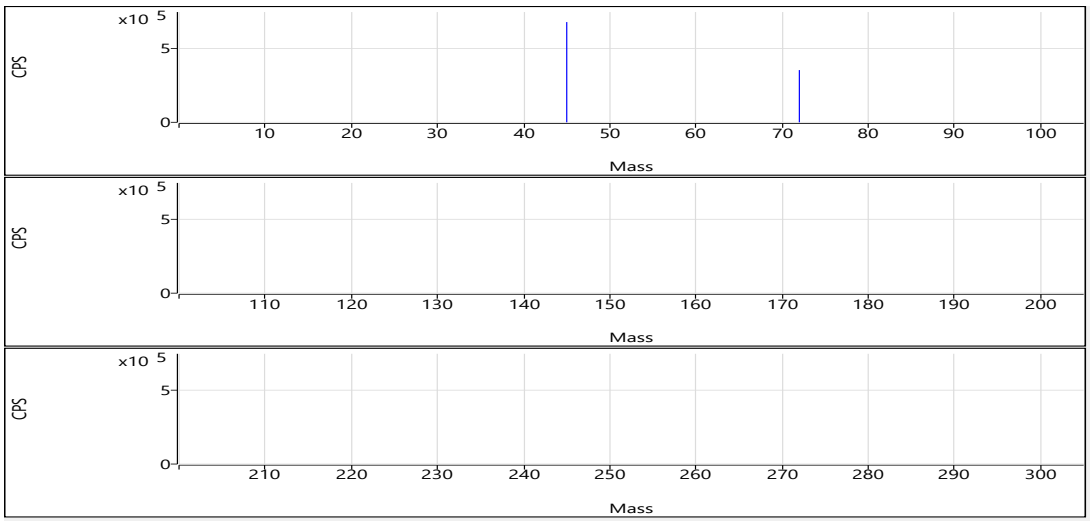
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.035	ppb	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.094	ppb	29.0	27.56	0.0001	Pulse	1.5000	3
Na	23	45	He	118.008	ppb	2.0	39559.96	0.7291	Pulse	0.1000	3
Mg	24	45	He	7.800	ppb	15.6	1430.12	0.0263	Pulse	0.1000	3
Al	27	45	He	-0.248	ppb	N/A	133.34	0.0025	Pulse	0.1000	3
K	39	45	He	16.393	ppb	161.9	29390.21	0.5420	Pulse	0.1000	3
Ca	44	45	He	41.085	ppb	12.6	463.36	0.0085	Pulse	0.1000	3
Ti	47	45	He	1.877	ppb	16.5	73.33	0.0014	Pulse	0.1000	3
V	51	45	He	0.225	ppb	13.8	1231.39	0.0227	Pulse	0.5000	3
Cr	52	72	He	0.120	ppb	61.1	2186.91	0.0247	Pulse	0.1000	3
Mn	55	45	He	0.107	ppb	102.4	336.68	0.0062	Pulse	0.1000	3
Fe	57	45	He	-0.099	ppb	N/A	230.01	0.0042	Pulse	0.1000	3
Co	59	72	He	0.118	ppb	17.8	553.37	0.0063	Pulse	0.1000	3
Ni	60	115	He	0.039	ppb	622.8	1166.75	0.0151	Pulse	0.1000	3
Cu	63	115	He	0.280	ppb	10.2	943.40	0.0122	Pulse	0.1000	3
Zn	66	72	He	0.191	ppb	75.6	143.34	0.0016	Pulse	0.1000	3
As	75	72	He	0.354	ppb	21.0	136.67	0.0015	Pulse	0.5000	3
Sr	88	72	He	0.243	ppb	38.7	576.70	0.0065	Pulse	0.1000	3
Mo	98	72	He	0.103	ppb	18.5	240.01	0.0027	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	13.6	73.33	0.0010	Pulse	0.1000	3
Cd	111	115	He	0.009	ppb	50.1	6.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.106	ppb	N/A	4220.81	0.0547	Pulse	0.1000	3
Sb	121	115	He	0.058	ppb	65.2	100.00	0.0013	Pulse	0.1000	3
Ba	137	115	He	0.143	ppb	21.4	163.34	0.0021	Pulse	0.1000	3
Tl	205	209	He	0.032	ppb	19.9	250.01	0.0018	Pulse	0.1000	3
Pb	208	209	He	0.029	ppb	8.0	510.02	0.0037	Pulse	0.1000	3
U	238	209	He	0.020	ppb	46.1	256.68	0.0019	Pulse	0.1000	3

ISTD Table:

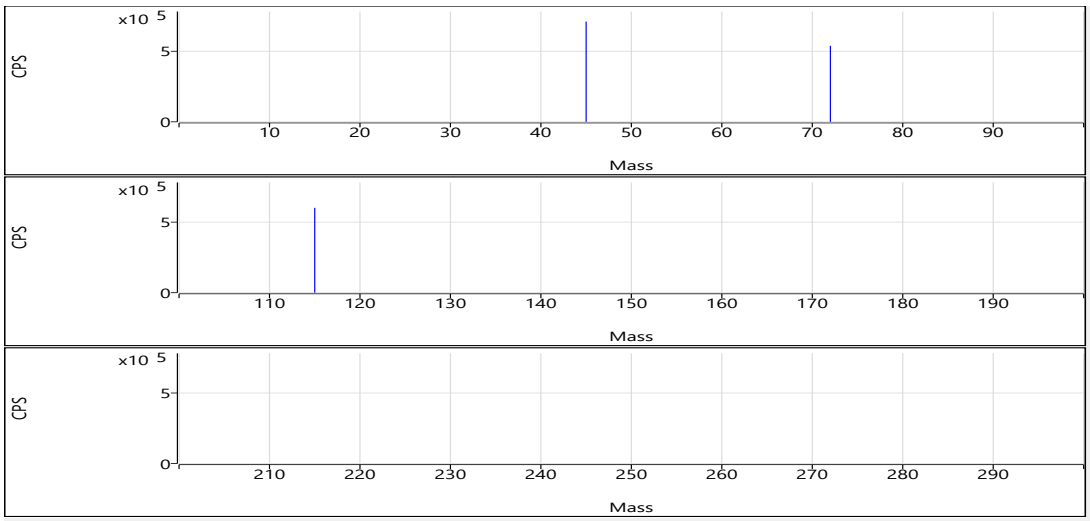
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	677263.35	0.9	99.1	Pulse	0.1000	3
No Gas	Ge	72	352853.04	0.8	97.6	Pulse	0.1000	3
H2	Sc	45	711638.66	2.7	92.0	Pulse	0.1000	3
H2	Ge	72	540153.27	1.5	99.3	Pulse	0.1000	3
H2	In	115	602349.00	1.0	109.2	Pulse	0.1000	3
He	Sc	45	54261.24	1.2	97.2	Pulse	0.1000	3
He	Ge	72	88374.36	0.6	98.9	Pulse	0.1000	3
He	In	115	77076.03	0.8	101.5	Pulse	0.1000	3
He	Tb	159	221156.93	0.3	100.6	Pulse	0.1000	3
He	Bi	209	137316.70	0.2	99.7	Pulse	0.1000	3

No Gas

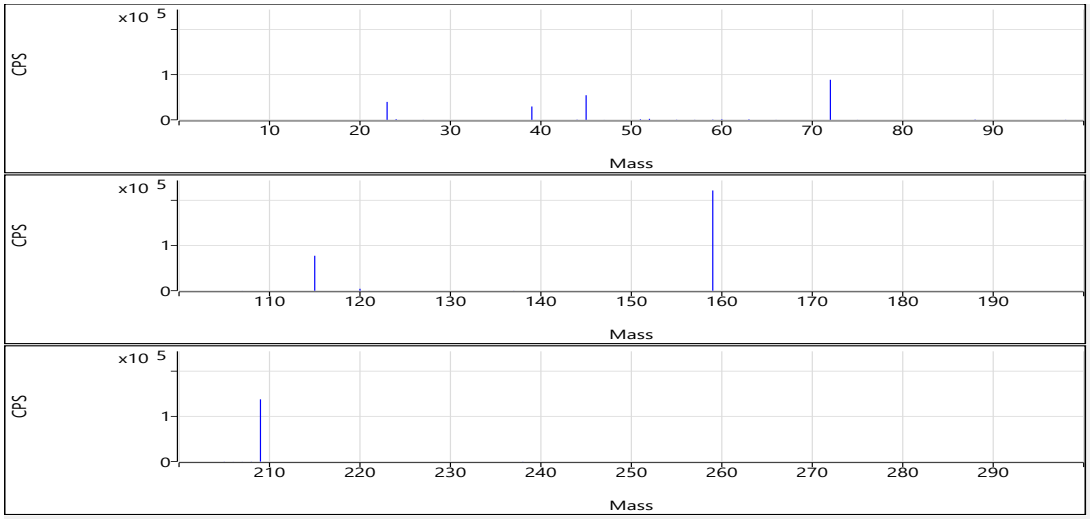


H2



Quantitation Report

He



Quantitation Report

Data File Name	217SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:21:13
Sample Name	410-235349-B-9-A
Sample Type	Sample
Comment	MS-B11
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

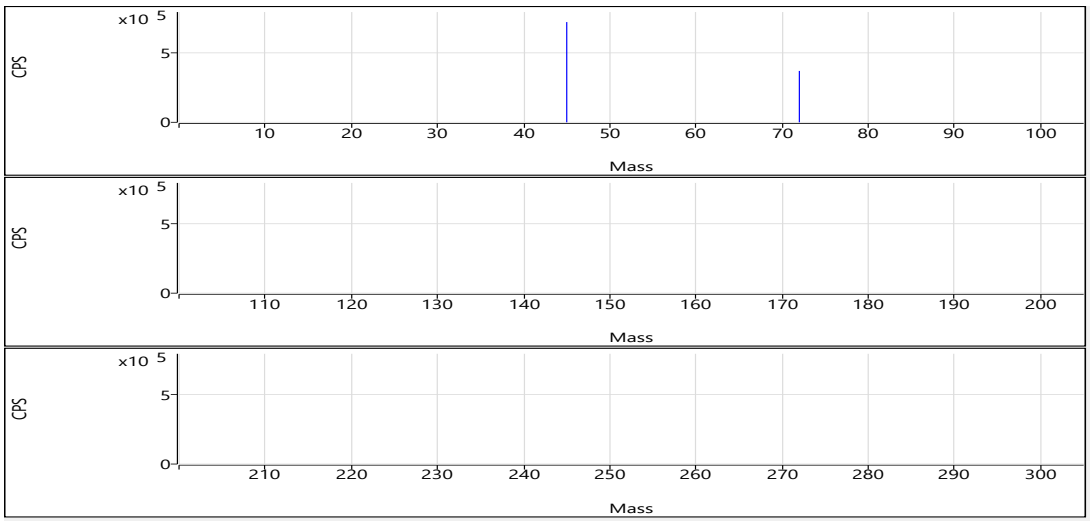
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.064	ppb	N/A	10.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.038	ppb	35.9	16.22	0.0000	Pulse	1.5000	3
Na	23	45	He	3532.698	ppb	2.0	804385.32	14.1029	Pulse	0.1000	3
Mg	24	45	He	2544.666	ppb	1.6	289573.52	5.0767	Pulse	0.1000	3
Al	27	45	He	2.517	ppb	59.1	250.01	0.0044	Pulse	0.1000	3
K	39	45	He	120.770	ppb	17.9	41990.60	0.7362	Pulse	0.1000	3
Ca	44	45	He	4145.494	ppb	4.3	23596.42	0.4137	Pulse	0.1000	3
Ti	47	45	He	1.012	ppb	51.1	43.33	0.0008	Pulse	0.1000	3
V	51	45	He	0.014	ppb	242.9	979.38	0.0172	Pulse	0.5000	3
Cr	52	72	He	-0.037	ppb	N/A	1963.55	0.0216	Pulse	0.1000	3
Mn	55	45	He	1.561	ppb	7.0	1646.82	0.0289	Pulse	0.1000	3
Fe	57	45	He	0.392	ppb	415.4	260.01	0.0045	Pulse	0.1000	3
Co	59	72	He	0.114	ppb	36.0	556.70	0.0061	Pulse	0.1000	3
Ni	60	115	He	-0.118	ppb	N/A	1060.08	0.0133	Pulse	0.1000	3
Cu	63	115	He	0.282	ppb	22.5	976.74	0.0123	Pulse	0.1000	3
Zn	66	72	He	0.632	ppb	32.2	276.68	0.0030	Pulse	0.1000	3
As	75	72	He	0.139	ppb	46.3	91.33	0.0010	Pulse	0.5000	3
Sr	88	72	He	58.212	ppb	0.1	70327.23	0.7738	Pulse	0.1000	3
Mo	98	72	He	0.032	ppb	27.2	113.34	0.0012	Pulse	0.1000	3
Ag	107	115	He	0.005	ppb	123.7	53.33	0.0007	Pulse	0.1000	3
Cd	111	115	He	0.008	ppb	102.1	6.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	-0.300	ppb	N/A	4054.07	0.0510	Pulse	0.1000	3
Sb	121	115	He	0.031	ppb	53.6	66.67	0.0008	Pulse	0.1000	3
Ba	137	115	He	0.804	ppb	13.4	496.69	0.0062	Pulse	0.1000	3
Tl	205	209	He	0.026	ppb	28.5	223.34	0.0016	Pulse	0.1000	3
Pb	208	209	He	0.033	ppb	17.3	553.36	0.0039	Pulse	0.1000	3
U	238	209	He	0.024	ppb	38.9	296.68	0.0021	Pulse	0.1000	3

ISTD Table:

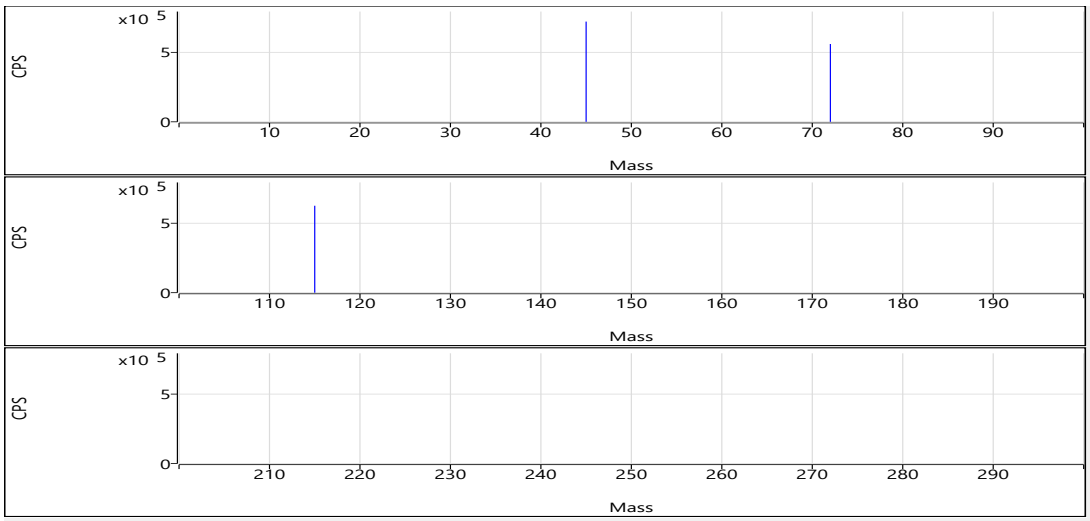
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	719921.37	0.7	105.3	Pulse	0.1000	3
No Gas	Ge	72	368959.75	0.2	102.0	Pulse	0.1000	3
H2	Sc	45	725336.29	4.5	93.8	Pulse	0.1000	3
H2	Ge	72	563200.10	2.2	103.5	Pulse	0.1000	3
H2	In	115	629253.01	1.2	114.1	Pulse	0.1000	3
He	Sc	45	57048.38	1.5	102.2	Pulse	0.1000	3
He	Ge	72	90882.70	0.7	101.8	Pulse	0.1000	3
He	In	115	79514.52	2.8	104.7	Pulse	0.1000	3
He	Tb	159	229442.68	1.6	104.4	Pulse	0.1000	3
He	Bi	209	141642.76	1.1	102.8	Pulse	0.1000	3

No Gas

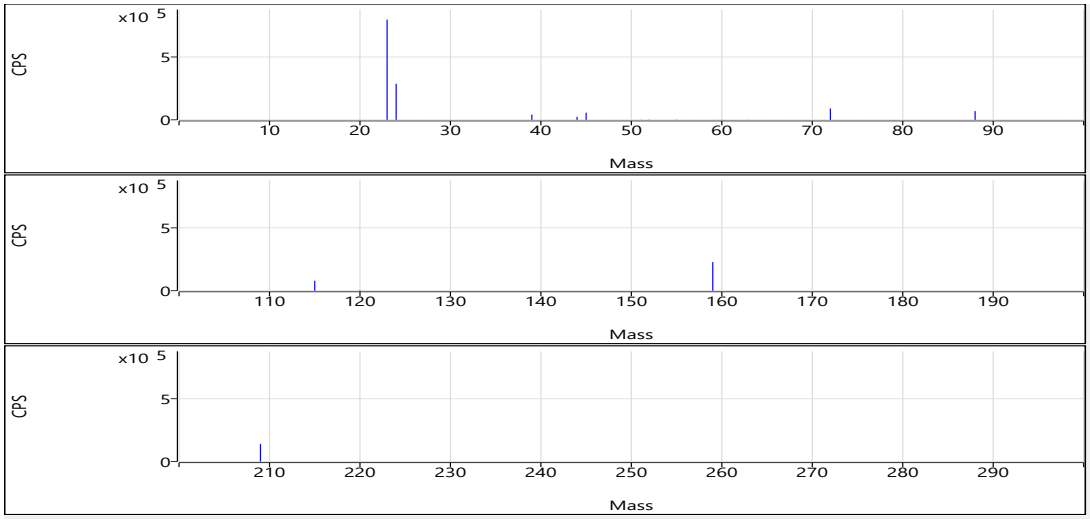


H2



Quantitation Report

He



Quantitation Report

Data File Name	219_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:25:25
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

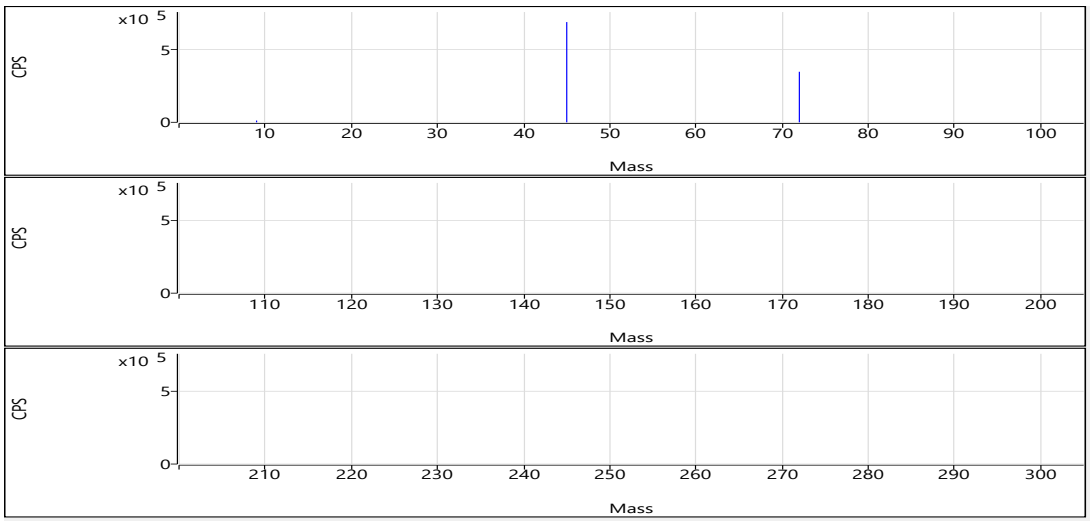
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	57.988	ppb	2.1	11987.50	0.0174	Pulse	0.5000	3
Se	78	72	H2	52.066	ppb	2.6	11179.89	0.0206	Pulse	1.5000	3
Na	23	45	He	5187.301	ppb	2.0	1175337.98	20.5832	Pulse	0.1000	3
Mg	24	45	He	4975.678	ppb	1.9	566238.83	9.9164	Pulse	0.1000	3
Al	27	45	He	4962.870	ppb	2.1	198721.77	3.4801	Pulse	0.1000	3
K	39	45	He	5080.864	ppb	1.4	569085.54	9.9655	Pulse	0.1000	3
Ca	44	45	He	5064.808	ppb	0.5	28808.96	0.5044	Pulse	0.1000	3
Ti	47	45	He	5022.807	ppb	0.7	197529.40	3.4585	Pulse	0.1000	3
V	51	45	He	505.351	ppb	0.9	757511.00	13.2641	Pulse	0.5000	3
Cr	52	72	He	511.518	ppb	0.7	921493.69	10.2434	Pulse	0.1000	3
Mn	55	45	He	506.516	ppb	1.4	451200.93	7.9012	Pulse	0.1000	3
Fe	57	45	He	5031.101	ppb	1.2	180428.95	3.1595	Pulse	0.1000	3
Co	59	72	He	508.898	ppb	0.3	1636303.52	18.1900	Pulse	0.1000	3
Ni	60	115	He	498.186	ppb	1.1	453689.68	5.8089	Pulse	0.1000	3
Cu	63	115	He	498.409	ppb	0.9	1250680.71	16.0136	Pulse	0.1000	3
Zn	66	72	He	513.539	ppb	0.7	149244.20	1.6591	Pulse	0.1000	3
As	75	72	He	520.223	ppb	0.9	117419.09	1.3053	Pulse	0.5000	3
Sr	88	72	He	51.266	ppb	1.0	61343.19	0.6819	Pulse	0.1000	3
Mo	98	72	He	51.926	ppb	0.3	96001.16	1.0672	Pulse	0.1000	3
Ag	107	115	He	50.541	ppb	0.8	182991.73	2.3430	Pulse	0.1000	3
Cd	111	115	He	50.196	ppb	1.2	22901.33	0.2932	Pulse	0.5000	3
Sn	120	115	He	50.633	ppb	1.4	80160.31	1.0262	Pulse	0.1000	3
Sb	121	115	He	50.842	ppb	0.7	67721.53	0.8670	Pulse	0.1000	3
Ba	137	115	He	510.535	ppb	0.8	248406.56	3.1806	Pulse	0.1000	3
Tl	205	209	He	50.442	ppb	1.2	293101.36	2.0466	Pulse	0.1000	3
Pb	208	209	He	49.866	ppb	0.8	385960.59	2.6949	Pulse	0.1000	3
U	238	209	He	49.804	ppb	1.4	373667.62	2.6092	Pulse	0.1000	3

ISTD Table:

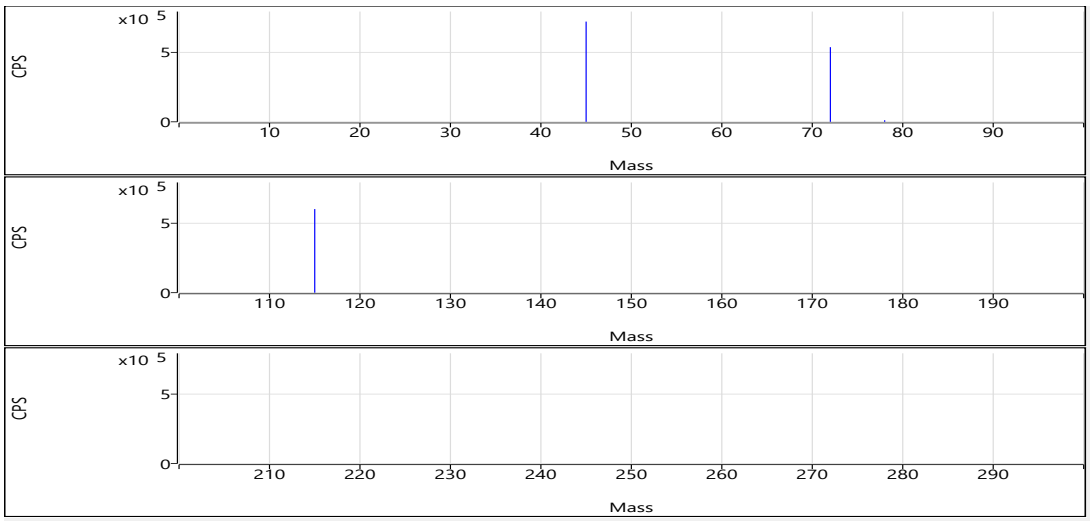
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	688903.90	1.0	100.8	Pulse	0.1000	3
No Gas	Ge	72	347323.89	1.8	96.0	Pulse	0.1000	3
H2	Sc	45	727223.25	0.9	94.0	Pulse	0.1000	3
H2	Ge	72	541693.65	0.8	99.6	Pulse	0.1000	3
H2	In	115	606671.43	0.4	110.0	Pulse	0.1000	3
He	Sc	45	57115.24	1.9	102.3	Pulse	0.1000	3
He	Ge	72	89957.72	0.8	100.7	Pulse	0.1000	3
He	In	115	78106.44	1.3	102.9	Pulse	0.1000	3
He	Tb	159	230625.37	0.9	104.9	Pulse	0.1000	3
He	Bi	209	143229.59	1.6	104.0	Pulse	0.1000	3

No Gas

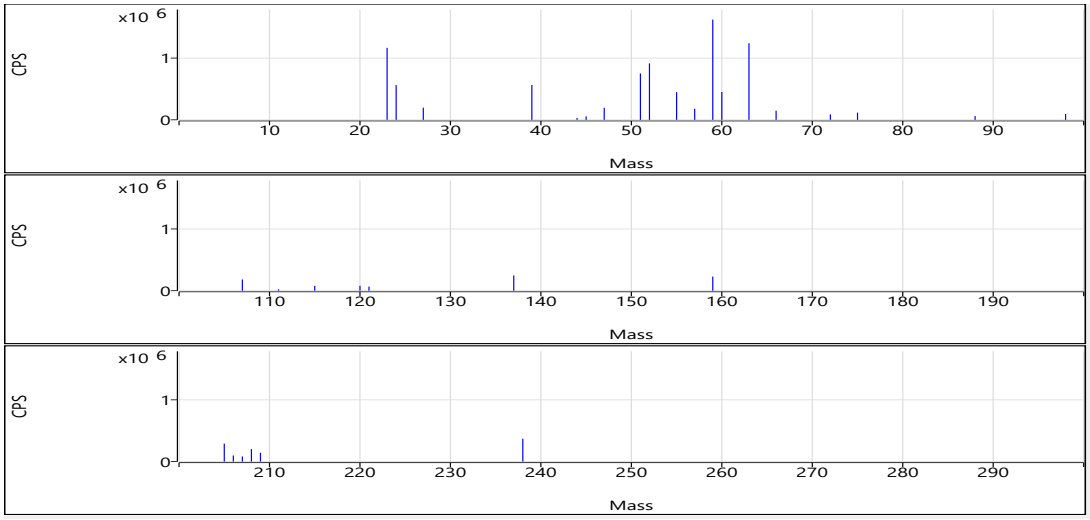


H2



Quantitation Report

He



Quantitation Report

Data File Name	221_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H13A00.b
Acq Time	2025-08-13 22:29:37
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	us19_usr_ins21905
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	2025-08-13 17:39:06
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

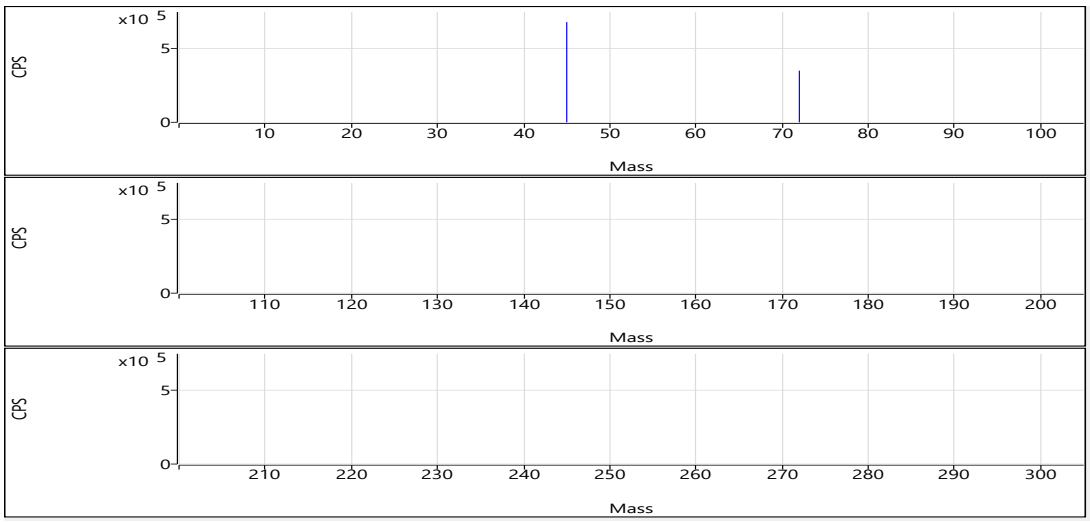
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ppb	25987.6	23.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.123	ppb	26.6	34.22	0.0001	Pulse	1.5000	3
Na	23	45	He	72.435	ppb	3.9	31183.30	0.5507	Pulse	0.1000	3
Mg	24	45	He	6.516	ppb	15.9	1346.77	0.0238	Pulse	0.1000	3
Al	27	45	He	0.457	ppb	279.5	166.67	0.0029	Pulse	0.1000	3
K	39	45	He	5.675	ppb	230.1	29570.29	0.5221	Pulse	0.1000	3
Ca	44	45	He	18.390	ppb	37.6	356.68	0.0063	Pulse	0.1000	3
Ti	47	45	He	2.134	ppb	38.4	86.67	0.0015	Pulse	0.1000	3
V	51	45	He	0.283	ppb	18.4	1372.08	0.0242	Pulse	0.5000	3
Cr	52	72	He	0.096	ppb	108.3	2173.58	0.0242	Pulse	0.1000	3
Mn	55	45	He	0.184	ppb	22.7	420.02	0.0074	Pulse	0.1000	3
Fe	57	45	He	0.376	ppb	509.7	256.68	0.0045	Pulse	0.1000	3
Co	59	72	He	0.191	ppb	13.8	796.72	0.0089	Pulse	0.1000	3
Ni	60	115	He	0.183	ppb	41.2	1320.11	0.0168	Pulse	0.1000	3
Cu	63	115	He	0.278	ppb	8.3	956.73	0.0122	Pulse	0.1000	3
Zn	66	72	He	0.333	ppb	16.3	186.68	0.0021	Pulse	0.1000	3
As	75	72	He	0.453	ppb	18.1	160.67	0.0018	Pulse	0.5000	3
Sr	88	72	He	0.050	ppb	65.0	356.69	0.0040	Pulse	0.1000	3
Mo	98	72	He	0.085	ppb	34.1	210.01	0.0023	Pulse	0.1000	3
Ag	107	115	He	0.011	ppb	105.6	73.34	0.0009	Pulse	0.1000	3
Cd	111	115	He	0.017	ppb	43.9	10.00	0.0001	Pulse	0.5000	3
Sn	120	115	He	0.048	ppb	475.9	4524.24	0.0577	Pulse	0.1000	3
Sb	121	115	He	0.079	ppb	42.3	130.01	0.0017	Pulse	0.1000	3
Ba	137	115	He	0.226	ppb	30.3	206.68	0.0026	Pulse	0.1000	3
Tl	205	209	He	0.039	ppb	20.4	293.35	0.0021	Pulse	0.1000	3
Pb	208	209	He	0.019	ppb	11.9	443.35	0.0031	Pulse	0.1000	3
U	238	209	He	0.034	ppb	5.3	373.35	0.0026	Pulse	0.1000	3

ISTD Table:

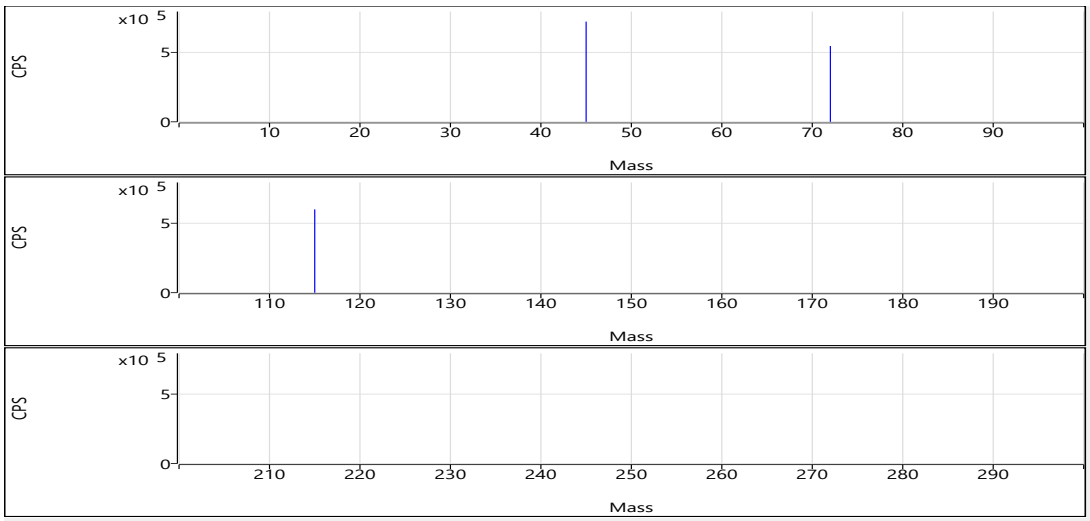
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	681246.06	1.1	99.7	Pulse	0.1000	3
No Gas	Ge	72	351048.58	0.7	97.1	Pulse	0.1000	3
H2	Sc	45	724027.46	0.8	93.6	Pulse	0.1000	3
H2	Ge	72	547626.13	0.7	100.7	Pulse	0.1000	3
H2	In	115	601841.71	0.7	109.1	Pulse	0.1000	3
He	Sc	45	56630.04	0.9	101.5	Pulse	0.1000	3
He	Ge	72	89675.52	0.3	100.4	Pulse	0.1000	3
He	In	115	78465.22	0.9	103.3	Pulse	0.1000	3
He	Tb	159	225231.22	1.0	102.5	Pulse	0.1000	3
He	Bi	209	141389.96	0.5	102.6	Pulse	0.1000	3

No Gas

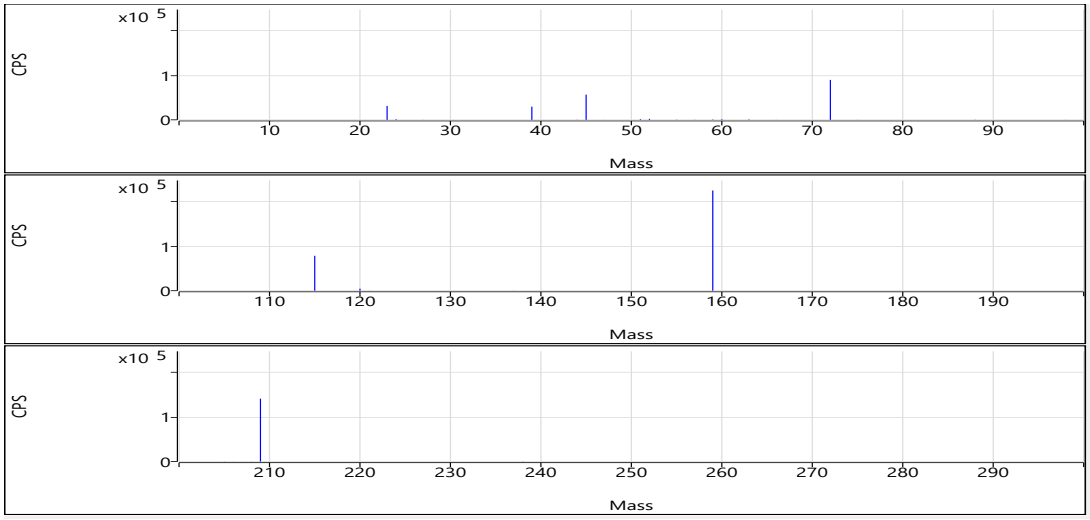


H2



Quantitation Report

He



Quantitation Report

Data File Name	070CALB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 5:55:31 PM
Sample Name	ICIS 8061842
Sample Type	CalBlk
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

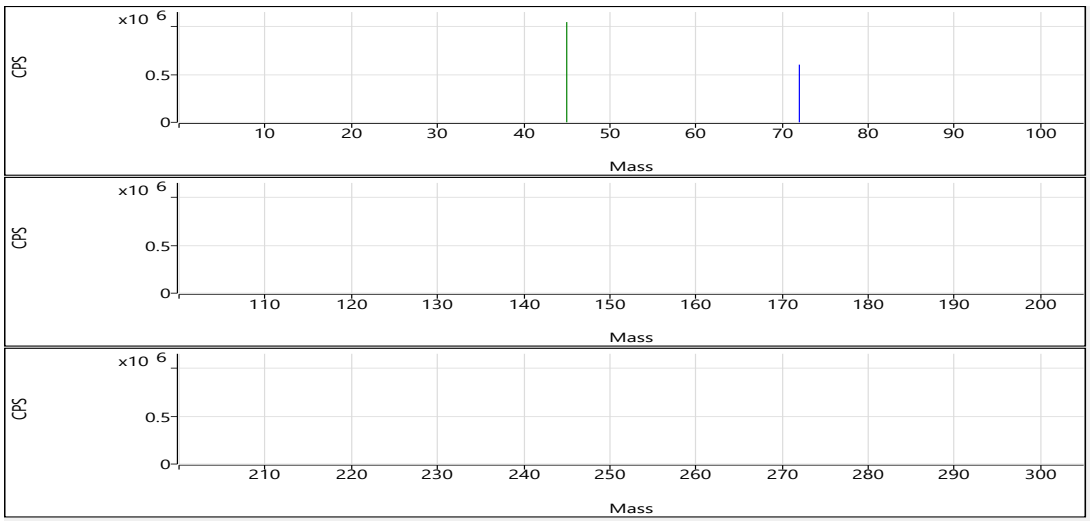
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ug/L	N/A	26.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.000	ppb	N/A	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	0.000	ug/L	N/A	5654.63	0.2233	Pulse	0.1000	3
Mg	24	72	He	0.000	ug/L	N/A	160.01	0.0063	Pulse	0.1000	3
Al	27	72	He	0.000	ug/L	N/A	46.67	0.0018	Pulse	0.1000	3
K	39	72	He	0.000	ppb	N/A	2023.55	0.0799	Pulse	0.1000	3
Ca	44	72	He	0.000	ppb	N/A	23.33	0.0009	Pulse	0.1000	3
Ti	47	159	He	0.000	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.000	ppb	N/A	116.67	0.0046	Pulse	0.5000	3
Cr	52	45	He	0.000	ppb	N/A	503.36	0.0443	Pulse	0.1000	3
Mn	55	45	He	0.000	ppb	N/A	53.34	0.0046	Pulse	0.1000	3
Fe	57	72	He	0.000	ppb	N/A	90.00	0.0036	Pulse	0.1000	3
Co	59	72	He	0.000	ppb	N/A	110.00	0.0043	Pulse	0.1000	3
Ni	60	72	He	0.000	ppb	N/A	153.34	0.0060	Pulse	0.1000	3
Cu	63	72	He	0.000	ppb	N/A	133.34	0.0053	Pulse	0.1000	3
Zn	66	72	He	0.000	ppb	N/A	50.00	0.0020	Pulse	0.1000	3
As	75	45	He	0.000	ppb	N/A	10.67	0.0009	Pulse	0.5000	3
Sr	88	159	He	0.000	ppb	N/A	356.69	0.0020	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	N/A	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.000	ppb	N/A	30.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	N/A	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.000	ppb	N/A	1876.87	0.0106	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	N/A	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	0.000	ppb	N/A	853.40	0.0048	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	N/A	243.34	0.0014	Pulse	0.1000	3
Pb	208	159	He	0.000	ppb	N/A	163.34	0.0009	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	170.01	0.0013	Pulse	0.1000	3

ISTD Table:

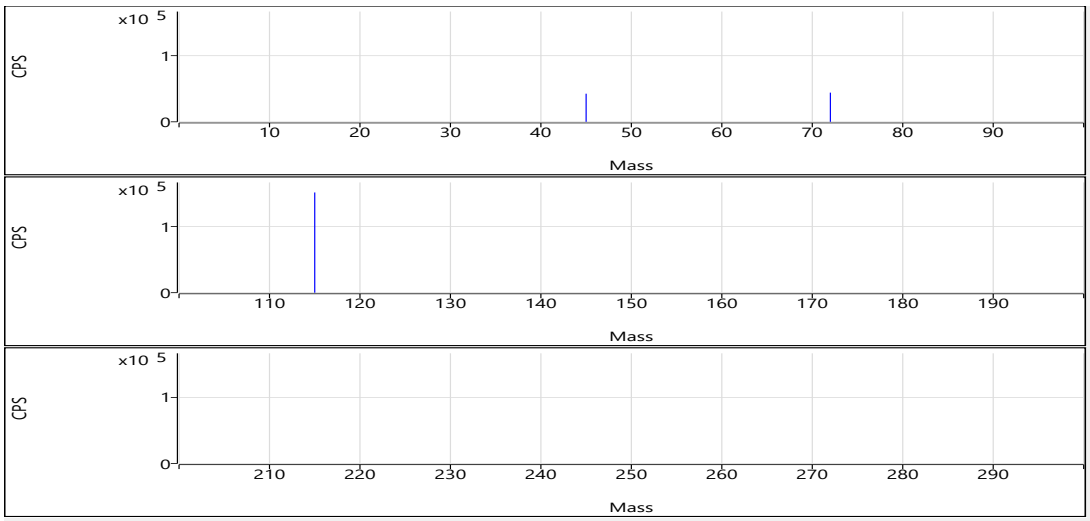
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1045346.00	0.3	100.0	Analog	0.1000	3
No Gas	Ge	72	601317.25	0.1	100.0	Pulse	0.1000	3
H2	Sc	45	42267.43	1.4	100.0	Pulse	0.1000	3
H2	Ge	72	43869.87	0.8	100.0	Pulse	0.1000	3
H2	In	115	150700.23	0.5	100.0	Pulse	0.1000	3
He	Sc	45	11421.63	5.0	100.0	Pulse	0.1000	3
He	Ge	72	25330.46	1.4	100.0	Pulse	0.1000	3
He	In	115	27295.04	0.8	100.0	Pulse	0.1000	3
He	Tb	159	176384.24	0.8	100.0	Pulse	0.1000	3
He	Bi	209	134865.27	1.5	100.0	Pulse	0.1000	3

No Gas

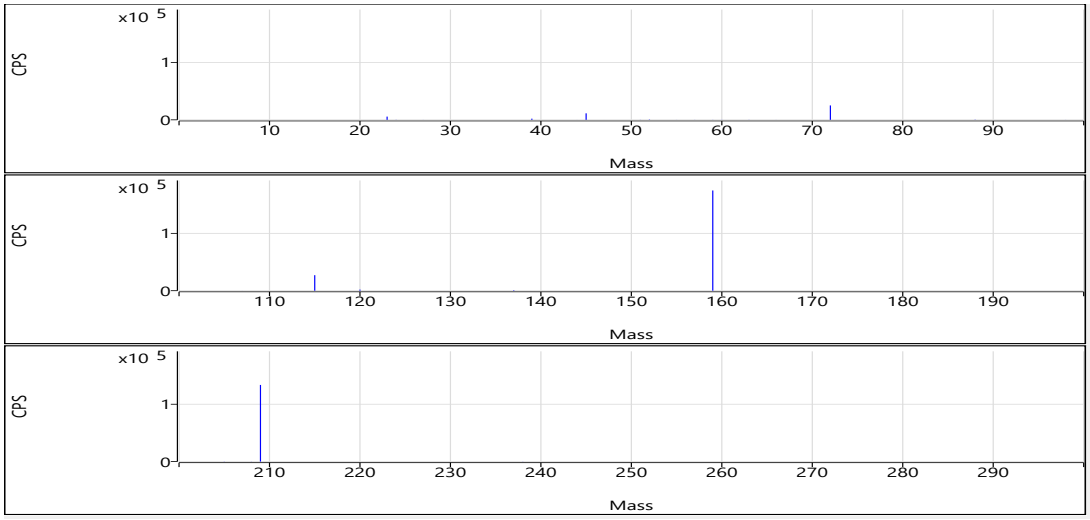


H2



Quantitation Report

He



Quantitation Report

Data File Name	071CALS.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 5:57:31 PM
Sample Name	STD1 8205362
Sample Type	CalStd
Comment	4 if 0.5, 5 if full strength -->
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

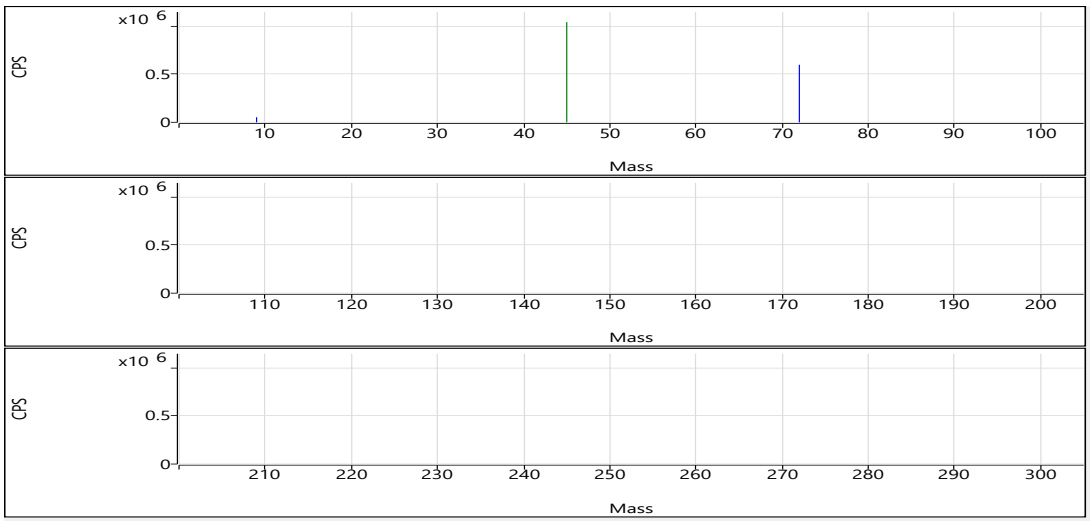
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	100.000	ug/L	0.7	52650.93	0.0504	Pulse	0.5000	3
Se	78	72	H2	100.000	ppb	4.8	2629.59	0.0604	Pulse	1.5000	3
Na	23	72	He	10000.000	ug/L	1.3	455001.87	18.3715	Pulse	0.1000	3
Mg	24	72	He	10000.000	ug/L	0.9	230743.67	9.3163	Pulse	0.1000	3
Al	27	72	He	10000.000	ug/L	1.4	63069.57	2.5465	Pulse	0.1000	3
K	39	72	He	10000.000	ppb	0.6	132678.57	5.3568	Pulse	0.1000	3
Ca	44	72	He	10000.000	ppb	1.6	8652.90	0.3494	Pulse	0.1000	3
Ti	47	159	He	10000.000	ppb	3.0	74701.14	0.4186	Pulse	0.1000	3
V	51	72	He	1000.000	ppb	1.7	389131.95	15.7123	Pulse	0.5000	3
Cr	52	45	He	1000.000	ppb	1.8	540720.55	46.6682	Pulse	0.1000	3
Mn	55	45	He	1000.000	ppb	1.1	202789.94	17.5006	Pulse	0.1000	3
Fe	57	72	He	10000.000	ppb	1.8	109804.66	4.4338	Pulse	0.1000	3
Co	59	72	He	1000.000	ppb	0.7	1268247.82	51.2035	Analog	0.1000	3
Ni	60	72	He	1000.000	ppb	1.2	361862.22	14.6108	Pulse	0.1000	3
Cu	63	72	He	1000.000	ppb	1.0	1072402.93	43.2987	Pulse	0.1000	3
Zn	66	72	He	1000.000	ppb	0.9	96100.88	3.8801	Pulse	0.1000	3
As	75	45	He	1000.000	ppb	1.0	58374.50	5.0377	Pulse	0.5000	3
Sr	88	159	He	100.000	ppb	5.2	24726.23	0.1386	Pulse	0.1000	3
Mo	98	159	He	100.000	ppb	1.5	93449.34	0.5236	Pulse	0.1000	3
Ag	107	159	He	100.000	ppb	1.9	222322.71	1.2457	Pulse	0.1000	3
Cd	111	159	He	100.000	ppb	2.3	21324.10	0.1195	Pulse	0.5000	3
Sn	120	159	He	100.000	ppb	2.3	59083.57	0.3310	Pulse	0.1000	3
Sb	121	159	He	100.000	ppb	3.3	45999.40	0.2578	Pulse	0.1000	3
Ba	137	159	He	1000.000	ppb	1.9	159636.33	0.8945	Pulse	0.1000	3
Tl	205	159	He	100.000	ppb	0.6	565143.94	3.1661	Pulse	0.1000	3
Pb	208	159	He	100.000	ppb	0.5	393762.69	2.2058	Pulse	0.1000	3
U	238	209	He	100.000	ppb	1.0	913643.16	6.6448	Pulse	0.1000	3

ISTD Table:

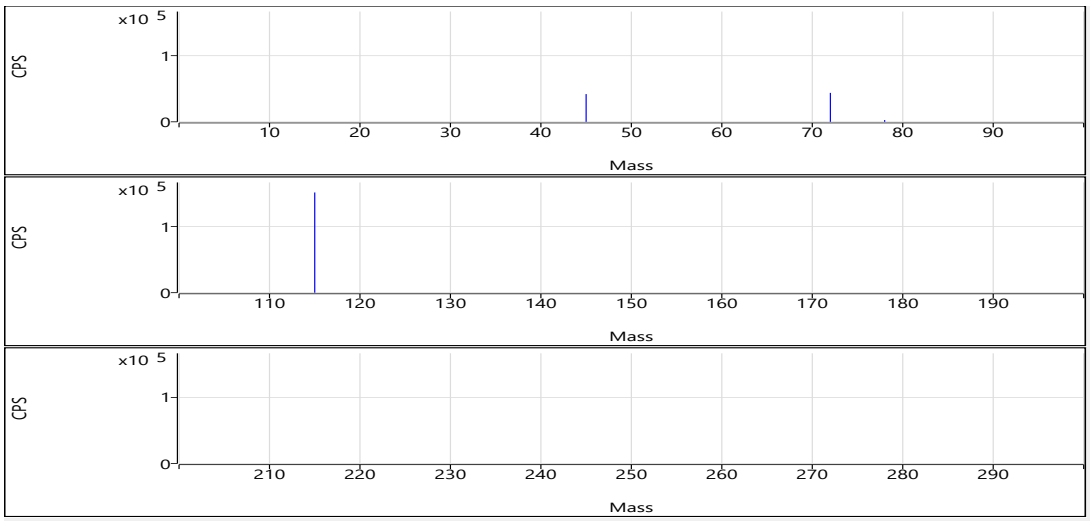
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1044738.14	0.8	99.9	Analog	0.1000	3
No Gas	Ge	72	599939.50	1.1	99.8	Pulse	0.1000	3
H2	Sc	45	41725.87	1.0	98.7	Pulse	0.1000	3
H2	Ge	72	43529.03	1.9	99.2	Pulse	0.1000	3
H2	In	115	150784.96	0.8	100.1	Pulse	0.1000	3
He	Sc	45	11588.52	1.5	101.5	Pulse	0.1000	3
He	Ge	72	24769.53	1.4	97.8	Pulse	0.1000	3
He	In	115	27351.83	1.0	100.2	Pulse	0.1000	3
He	Tb	159	178506.30	1.7	101.2	Pulse	0.1000	3
He	Bi	209	137503.22	2.5	102.0	Pulse	0.1000	3

No Gas

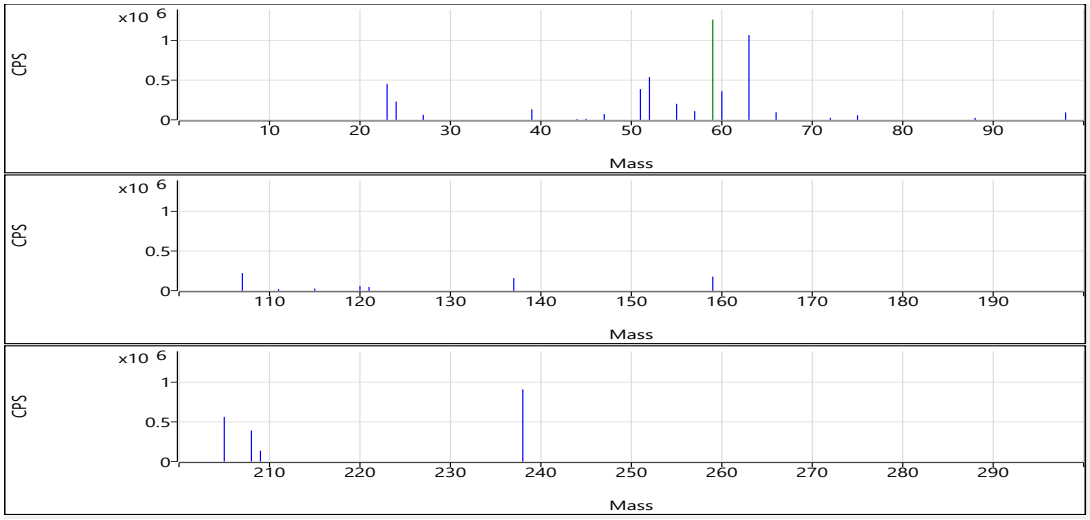


H2



Quantitation Report

He



Quantitation Report

Data File Name	072_ICV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 5:59:32 PM
Sample Name	ICV 8099766
Sample Type	ICV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

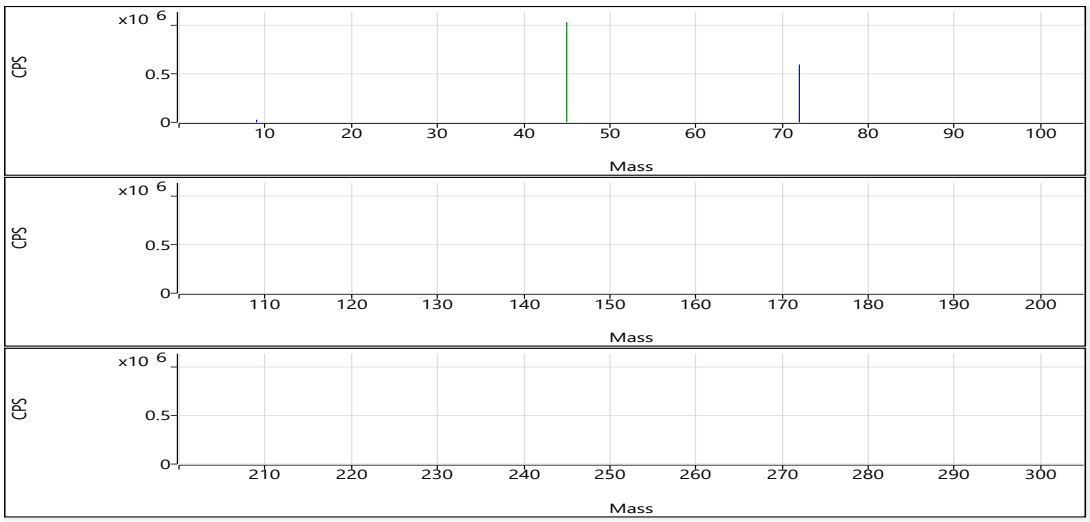
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.095	ug/L	0.9	26194.94	0.0253	Pulse	0.5000	3
Se	78	72	H2	49.695	ppb	3.4	1315.85	0.0301	Pulse	1.5000	3
Na	23	72	He	4897.146	ug/L	0.6	229497.53	9.1108	Pulse	0.1000	3
Mg	24	72	He	4915.179	ug/L	0.5	115428.57	4.5824	Pulse	0.1000	3
Al	27	72	He	4943.050	ug/L	1.1	31729.35	1.2597	Pulse	0.1000	3
K	39	72	He	4808.128	ppb	1.4	65920.37	2.6171	Pulse	0.1000	3
Ca	44	72	He	4830.628	ppb	3.5	4264.13	0.1692	Pulse	0.1000	3
Ti	47	159	He	5045.879	ppb	1.5	37554.10	0.2112	Pulse	0.1000	3
V	51	72	He	489.451	ppb	1.4	193768.42	7.6928	Pulse	0.5000	3
Cr	52	45	He	499.666	ppb	4.3	266678.28	23.3407	Pulse	0.1000	3
Mn	55	45	He	510.710	ppb	4.5	102140.50	8.9400	Pulse	0.1000	3
Fe	57	72	He	4836.649	ppb	1.2	54065.02	2.1463	Pulse	0.1000	3
Co	59	72	He	471.461	ppb	0.5	608168.43	24.1428	Pulse	0.1000	3
Ni	60	72	He	497.695	ppb	1.3	183246.05	7.2747	Pulse	0.1000	3
Cu	63	72	He	496.663	ppb	0.8	541763.72	21.5075	Pulse	0.1000	3
Zn	66	72	He	487.860	ppb	2.8	47702.53	1.8940	Pulse	0.1000	3
As	75	45	He	496.826	ppb	4.7	28598.71	2.5033	Pulse	0.5000	3
Sr	88	159	He	50.996	ppb	4.6	12736.37	0.0717	Pulse	0.1000	3
Mo	98	159	He	50.578	ppb	1.9	47098.50	0.2650	Pulse	0.1000	3
Ag	107	159	He	49.537	ppb	1.2	109703.77	0.6172	Pulse	0.1000	3
Cd	111	159	He	54.323	ppb	3.3	11537.63	0.0649	Pulse	0.5000	3
Sn	120	159	He	50.055	ppb	2.4	30395.25	0.1710	Pulse	0.1000	3
Sb	121	159	He	52.814	ppb	1.7	24205.80	0.1362	Pulse	0.1000	3
Ba	137	159	He	499.543	ppb	1.7	79855.84	0.4493	Pulse	0.1000	3
Tl	205	159	He	49.260	ppb	1.7	277373.64	1.5603	Pulse	0.1000	3
Pb	208	159	He	50.118	ppb	0.8	196610.30	1.1059	Pulse	0.1000	3
U	238	209	He	50.985	ppb	1.7	462810.62	3.3885	Pulse	0.1000	3

ISTD Table:

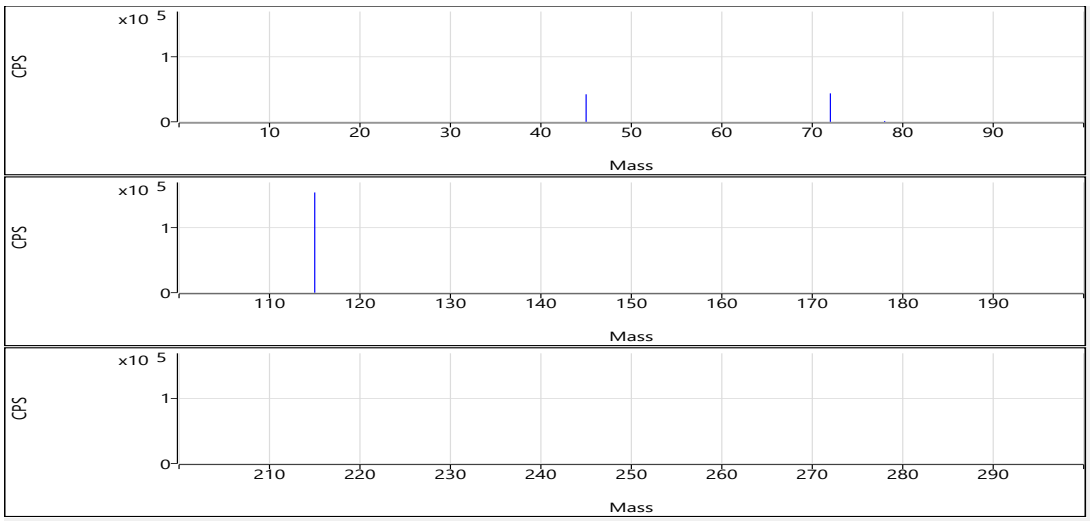
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1037042.09	0.3	99.2	Analog	0.1000	3
No Gas	Ge	72	597582.12	0.6	99.4	Pulse	0.1000	3
H2	Sc	45	42354.57	2.3	100.2	Pulse	0.1000	3
H2	Ge	72	43783.22	0.6	99.8	Pulse	0.1000	3
H2	In	115	154280.72	1.2	102.4	Pulse	0.1000	3
He	Sc	45	11441.72	4.9	100.2	Pulse	0.1000	3
He	Ge	72	25190.20	0.8	99.4	Pulse	0.1000	3
He	In	115	27582.20	1.3	101.1	Pulse	0.1000	3
He	Tb	159	177770.07	1.3	100.8	Pulse	0.1000	3
He	Bi	209	136582.55	0.6	101.3	Pulse	0.1000	3

No Gas

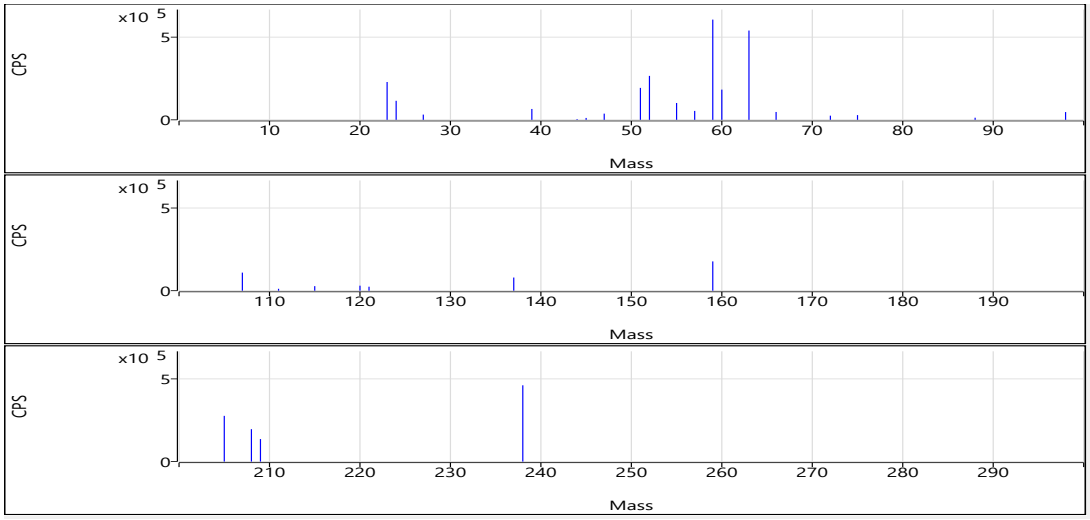


H2



Quantitation Report

He



Quantitation Report

Data File Name	074_ICB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:03:34 PM
Sample Name	ICB 8061842
Sample Type	ICB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

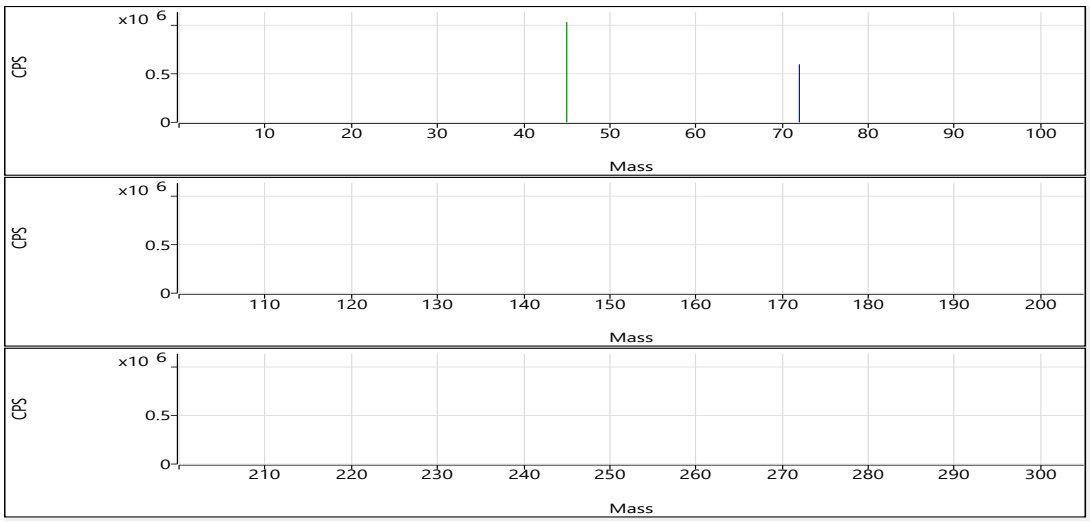
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.008	ug/L	247.7	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.075	ppb	N/A	0.22	0.0000	Pulse	1.5000	3
Na	23	72	He	1.784	ug/L	459.0	5674.65	0.2266	Pulse	0.1000	3
Mg	24	72	He	-1.265	ug/L	N/A	130.01	0.0051	Pulse	0.1000	3
Al	27	72	He	-2.012	ug/L	N/A	33.33	0.0013	Pulse	0.1000	3
K	39	72	He	-5.043	ppb	N/A	1936.88	0.0772	Pulse	0.1000	3
Ca	44	72	He	63.124	ppb	96.4	76.67	0.0031	Pulse	0.1000	3
Ti	47	159	He	0.000	ppb	925460.0	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.043	ppb	97.7	132.00	0.0053	Pulse	0.5000	3
Cr	52	45	He	-0.171	ppb	N/A	406.69	0.0363	Pulse	0.1000	3
Mn	55	45	He	0.010	ppb	1050.3	53.33	0.0047	Pulse	0.1000	3
Fe	57	72	He	4.154	ppb	132.7	133.34	0.0054	Pulse	0.1000	3
Co	59	72	He	0.022	ppb	146.4	136.67	0.0054	Pulse	0.1000	3
Ni	60	72	He	0.079	ppb	90.5	180.01	0.0072	Pulse	0.1000	3
Cu	63	72	He	0.018	ppb	265.0	153.34	0.0061	Pulse	0.1000	3
Zn	66	72	He	-0.201	ppb	N/A	30.00	0.0012	Pulse	0.1000	3
As	75	45	He	-0.077	ppb	N/A	6.00	0.0005	Pulse	0.5000	3
Sr	88	159	He	-0.032	ppb	N/A	350.02	0.0020	Pulse	0.1000	3
Mo	98	159	He	0.010	ppb	272.3	70.00	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.007	ppb	32.3	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.003	ppb	6.8	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.085	ppb	N/A	1836.86	0.0104	Pulse	0.1000	3
Sb	121	159	He	0.022	ppb	210.8	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	0.182	ppb	170.7	886.73	0.0050	Pulse	0.1000	3
Tl	205	159	He	-0.010	ppb	N/A	190.01	0.0011	Pulse	0.1000	3
Pb	208	159	He	-0.005	ppb	N/A	143.34	0.0008	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	166.68	0.0012	Pulse	0.1000	3

ISTD Table:

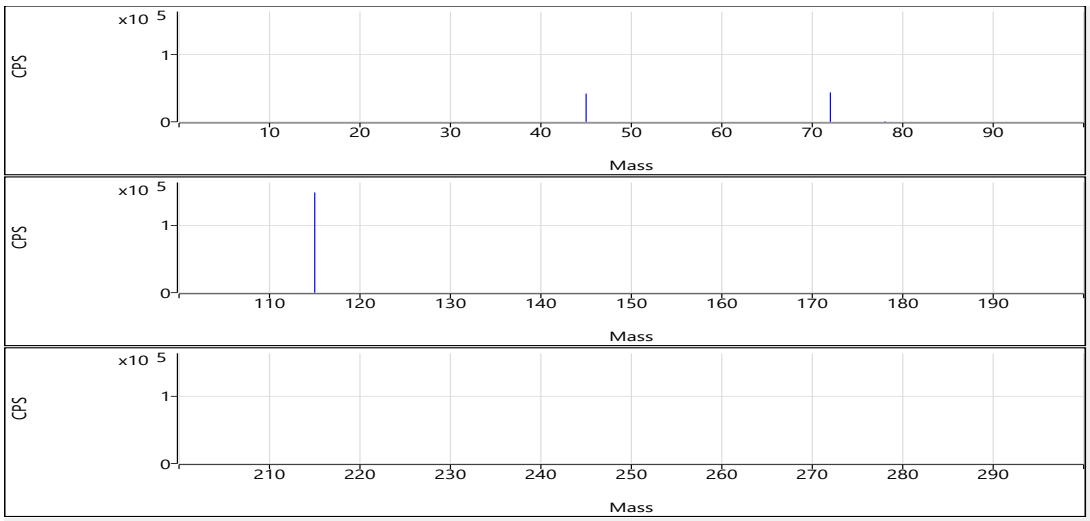
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033252.12	0.7	98.8	Analog	0.1000	3
No Gas	Ge	72	597976.94	0.6	99.4	Pulse	0.1000	3
H2	Sc	45	42153.78	0.4	99.7	Pulse	0.1000	3
H2	Ge	72	43900.31	0.6	100.1	Pulse	0.1000	3
H2	In	115	149645.73	0.8	99.3	Pulse	0.1000	3
He	Sc	45	11208.21	1.7	98.1	Pulse	0.1000	3
He	Ge	72	25103.51	5.6	99.1	Pulse	0.1000	3
He	In	115	26606.99	3.1	97.5	Pulse	0.1000	3
He	Tb	159	177154.89	1.1	100.4	Pulse	0.1000	3
He	Bi	209	136485.03	0.9	101.2	Pulse	0.1000	3

No Gas

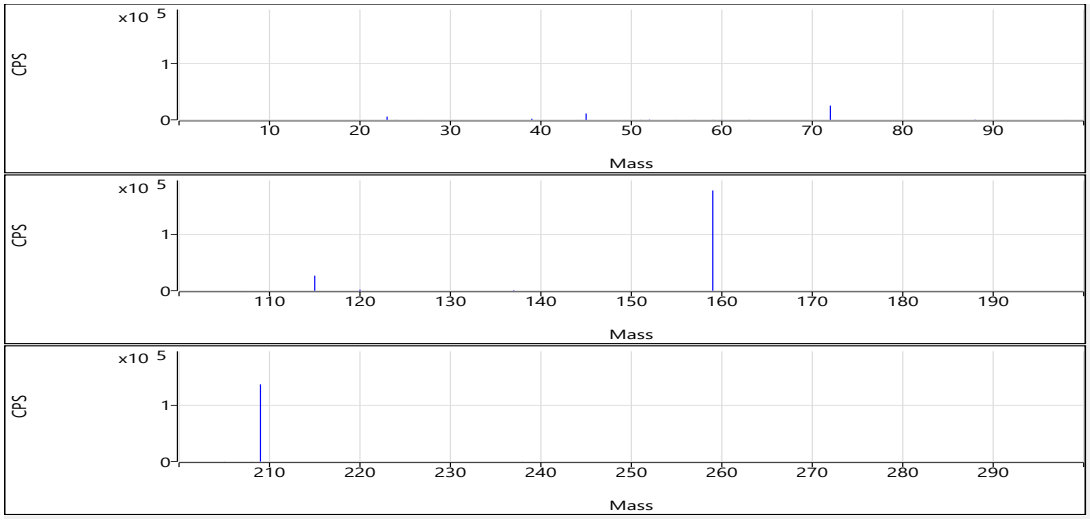


H2



Quantitation Report

He



Quantitation Report

Data File Name	076_LLC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:07:36 PM
Sample Name	CRI 8216529
Sample Type	CRI
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

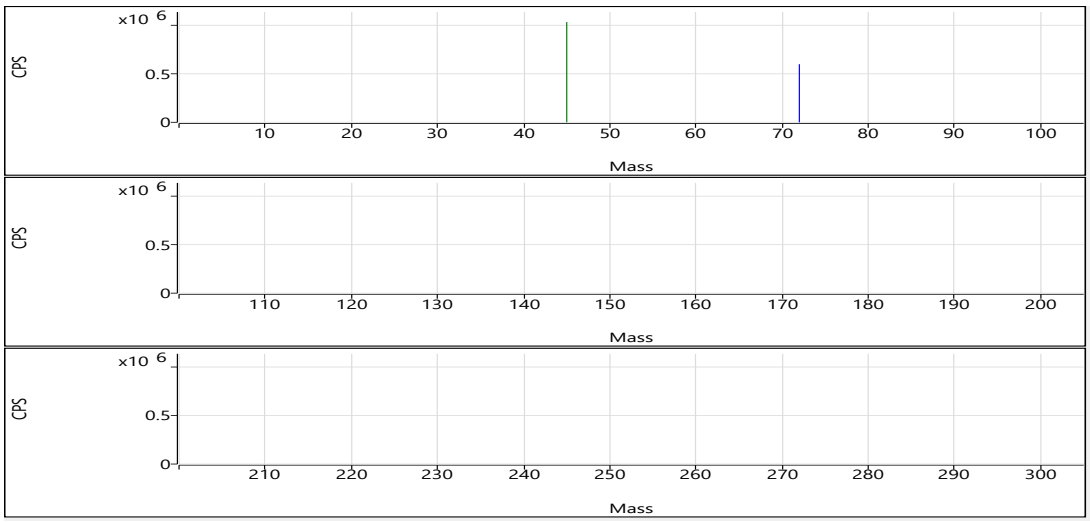
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.464	ug/L	12.5	268.67	0.0003	Pulse	0.5000	3
Se	78	72	H2	0.842	ppb	14.3	24.44	0.0006	Pulse	1.5000	3
Na	23	72	He	179.475	ug/L	4.5	13943.97	0.5490	Pulse	0.1000	3
Mg	24	72	He	42.566	ug/L	4.1	1166.76	0.0459	Pulse	0.1000	3
Al	27	72	He	26.399	ug/L	45.2	216.68	0.0086	Pulse	0.1000	3
K	39	72	He	198.214	ppb	3.8	4687.61	0.1845	Pulse	0.1000	3
Ca	44	72	He	94.228	ppb	15.9	106.67	0.0042	Pulse	0.1000	3
Ti	47	159	He	9.951	ppb	24.4	80.00	0.0005	Pulse	0.1000	3
V	51	72	He	1.954	ppb	6.6	896.03	0.0353	Pulse	0.5000	3
Cr	52	45	He	1.996	ppb	8.1	1593.48	0.1373	Pulse	0.1000	3
Mn	55	45	He	1.875	ppb	20.8	433.36	0.0374	Pulse	0.1000	3
Fe	57	72	He	49.751	ppb	4.9	650.04	0.0256	Pulse	0.1000	3
Co	59	72	He	0.423	ppb	9.4	660.04	0.0260	Pulse	0.1000	3
Ni	60	72	He	0.933	ppb	32.1	500.03	0.0197	Pulse	0.1000	3
Cu	63	72	He	1.037	ppb	10.5	1273.44	0.0502	Pulse	0.1000	3
Zn	66	72	He	9.223	ppb	9.1	960.07	0.0377	Pulse	0.1000	3
As	75	45	He	1.918	ppb	14.8	122.67	0.0106	Pulse	0.5000	3
Sr	88	159	He	1.125	ppb	31.5	626.71	0.0036	Pulse	0.1000	3
Mo	98	159	He	0.434	ppb	13.4	460.02	0.0026	Pulse	0.1000	3
Ag	107	159	He	0.511	ppb	12.7	1153.43	0.0065	Pulse	0.1000	3
Cd	111	159	He	0.532	ppb	16.1	115.33	0.0007	Pulse	0.5000	3
Sn	120	159	He	1.683	ppb	21.7	2827.07	0.0160	Pulse	0.1000	3
Sb	121	159	He	1.078	ppb	15.1	503.36	0.0029	Pulse	0.1000	3
Ba	137	159	He	2.192	ppb	33.6	1196.77	0.0068	Pulse	0.1000	3
Tl	205	159	He	0.486	ppb	2.0	2953.80	0.0168	Pulse	0.1000	3
Pb	208	159	He	0.537	ppb	4.3	2250.29	0.0128	Pulse	0.1000	3
U	238	209	He	0.997	ppb	5.7	9273.91	0.0675	Pulse	0.1000	3

ISTD Table:

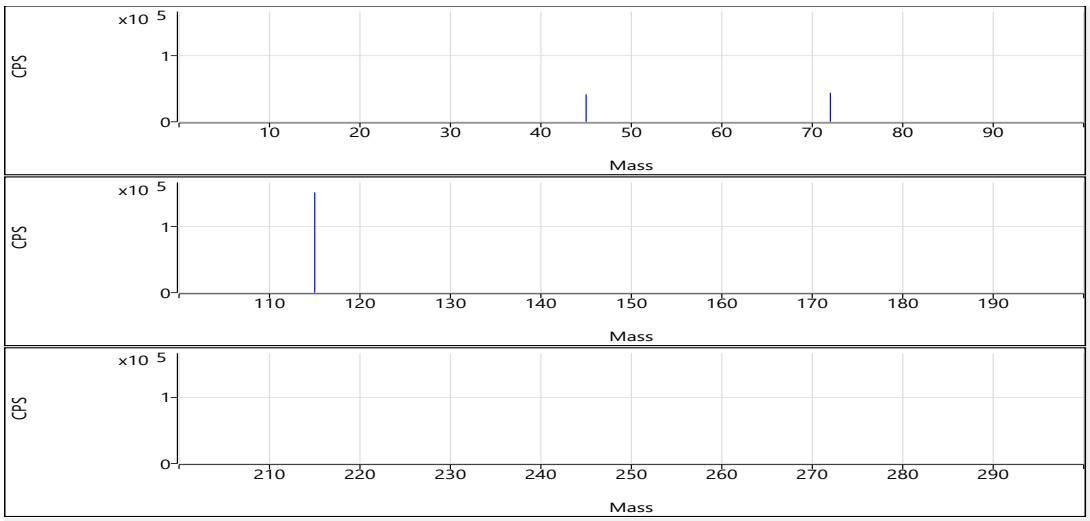
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1038150.82	0.2	99.3	Analog	0.1000	3
No Gas	Ge	72	601527.30	0.3	100.0	Pulse	0.1000	3
H2	Sc	45	41311.15	0.1	97.7	Pulse	0.1000	3
H2	Ge	72	43696.54	1.1	99.6	Pulse	0.1000	3
H2	In	115	151031.07	0.6	100.2	Pulse	0.1000	3
He	Sc	45	11615.12	3.0	101.7	Pulse	0.1000	3
He	Ge	72	25407.36	2.5	100.3	Pulse	0.1000	3
He	In	115	26720.54	0.8	97.9	Pulse	0.1000	3
He	Tb	159	176273.54	0.8	99.9	Pulse	0.1000	3
He	Bi	209	137381.26	2.5	101.9	Pulse	0.1000	3

No Gas

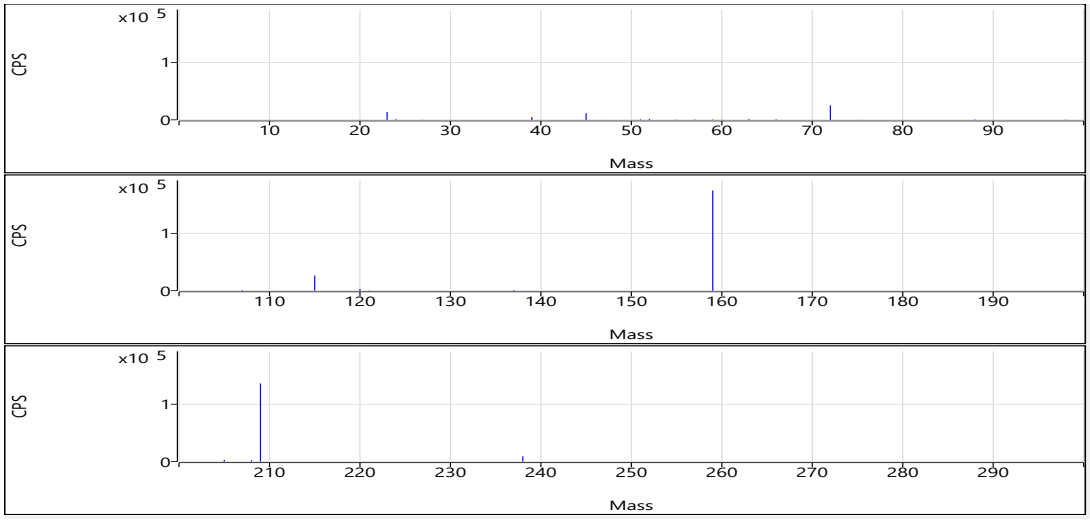


H2



Quantitation Report

He



Quantitation Report

Data File Name	077ICSA.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:23:20 PM
Sample Name	ICSA 8183842
Sample Type	ICSA
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

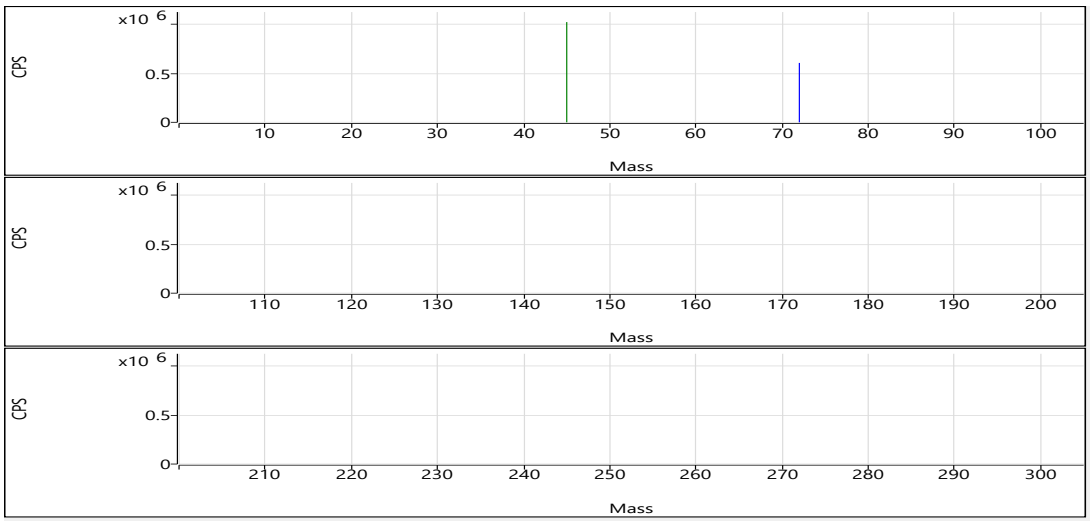
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.046	ppb	6.5	3.33	0.0001	Pulse	1.5000	3
Na	23	72	He	236135.519	ug/L	0.4	10538729.42	428.7674	Analog	0.1000	3
Mg	24	72	He	94816.390	ug/L	0.4	2169874.66	88.2806	Analog	0.1000	3
Al	27	72	He	97127.781	ug/L	0.6	607538.90	24.7173	Pulse	0.1000	3
K	39	72	He	95639.119	ppb	0.5	1242403.83	50.5473	Analog	0.1000	3
Ca	44	72	He	278367.057	ppb	0.3	238438.89	9.7009	Pulse	0.1000	3
Ti	47	159	He	1955.449	ppb	1.4	14164.16	0.0819	Pulse	0.1000	3
V	51	72	He	0.040	ppb	61.8	128.67	0.0052	Pulse	0.5000	3
Cr	52	45	He	3.419	ppb	17.2	2330.28	0.2037	Pulse	0.1000	3
Mn	55	45	He	0.666	ppb	26.6	186.68	0.0162	Pulse	0.1000	3
Fe	57	72	He	230665.380	ppb	0.4	2511841.16	102.1936	Analog	0.1000	3
Co	59	72	He	0.193	ppb	6.7	350.02	0.0142	Pulse	0.1000	3
Ni	60	72	He	0.264	ppb	16.8	243.34	0.0099	Pulse	0.1000	3
Cu	63	72	He	0.082	ppb	64.3	216.68	0.0088	Pulse	0.1000	3
Zn	66	72	He	1.940	ppb	22.7	233.35	0.0095	Pulse	0.1000	3
As	75	45	He	0.245	ppb	45.8	24.67	0.0022	Pulse	0.5000	3
Sr	88	159	He	2.390	ppb	17.4	913.40	0.0053	Pulse	0.1000	3
Mo	98	159	He	2030.129	ppb	0.9	1837360.24	10.6226	Analog	0.1000	3
Ag	107	159	He	0.006	ppb	36.9	43.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.235	ppb	16.3	52.00	0.0003	Pulse	0.5000	3
Sn	120	159	He	0.118	ppb	147.1	1906.87	0.0110	Pulse	0.1000	3
Sb	121	159	He	0.233	ppb	46.7	116.67	0.0007	Pulse	0.1000	3
Ba	137	159	He	0.641	ppb	84.1	936.74	0.0054	Pulse	0.1000	3
Tl	205	159	He	-0.022	ppb	N/A	116.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.099	ppb	17.9	536.70	0.0031	Pulse	0.1000	3
U	238	209	He	0.005	ppb	26.7	203.34	0.0016	Pulse	0.1000	3

ISTD Table:

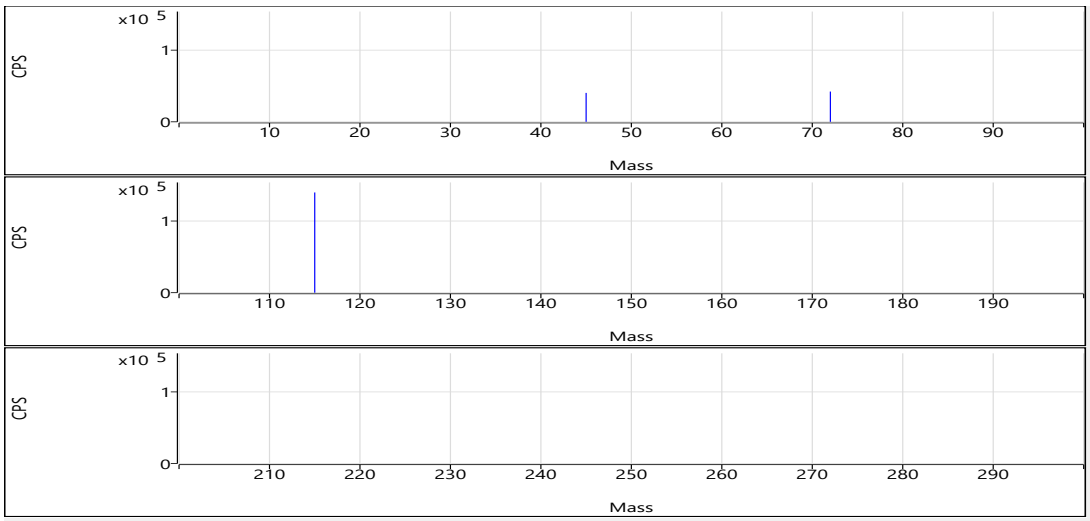
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1025987.51	0.8	98.1	Analog	0.1000	3
No Gas	Ge	72	607815.79	0.2	101.1	Pulse	0.1000	3
H2	Sc	45	40512.27	2.5	95.8	Pulse	0.1000	3
H2	Ge	72	42388.93	2.3	96.6	Pulse	0.1000	3
H2	In	115	140420.09	0.7	93.2	Pulse	0.1000	3
He	Sc	45	11471.73	4.7	100.4	Pulse	0.1000	3
He	Ge	72	24579.21	0.3	97.0	Pulse	0.1000	3
He	In	115	26500.02	1.3	97.1	Pulse	0.1000	3
He	Tb	159	172980.69	1.5	98.1	Pulse	0.1000	3
He	Bi	209	126203.74	1.7	93.6	Pulse	0.1000	3

No Gas

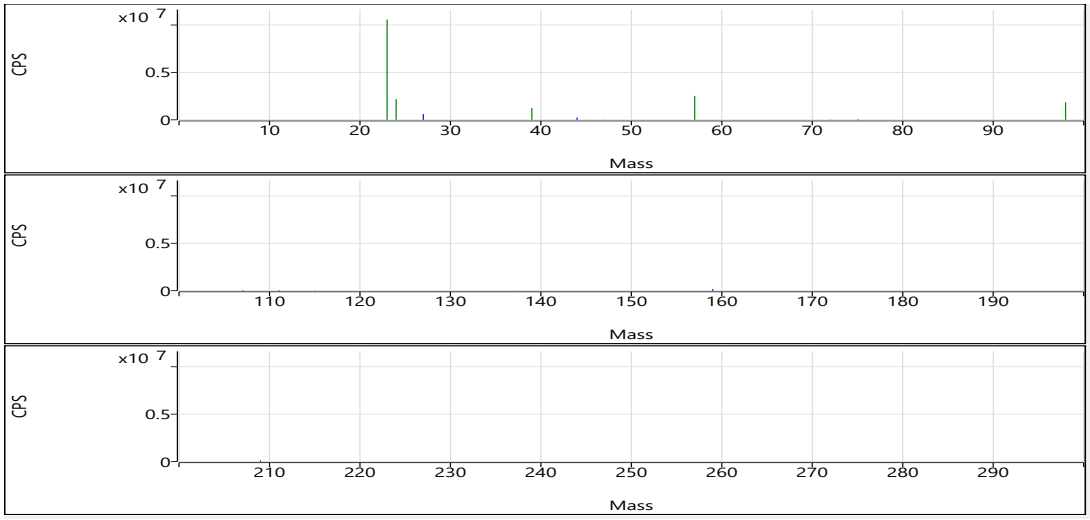


H2



Quantitation Report

He



Quantitation Report

Data File Name	078ICSB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:25:21 PM
Sample Name	ICSAB 8053045
Sample Type	ICSAB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

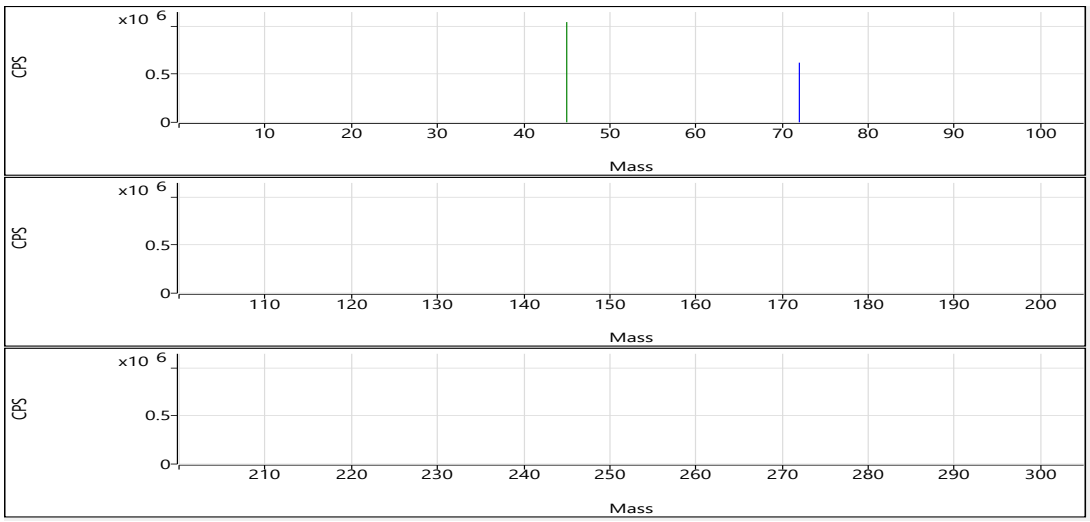
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.014	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	96.688	ppb	1.9	2592.47	0.0584	Pulse	1.5000	3
Na	23	72	He	241027.804	ug/L	1.9	11068178.17	437.6460	Analog	0.1000	3
Mg	24	72	He	96590.467	ug/L	1.3	2274602.62	89.9323	Analog	0.1000	3
Al	27	72	He	98350.340	ug/L	1.9	632975.72	25.0284	Pulse	0.1000	3
K	39	72	He	96912.684	ppb	1.6	1295409.22	51.2194	Analog	0.1000	3
Ca	44	72	He	282864.767	ppb	1.5	249312.59	9.8576	Pulse	0.1000	3
Ti	47	159	He	2099.127	ppb	4.8	15462.31	0.0879	Pulse	0.1000	3
V	51	72	He	197.921	ppb	1.5	78745.34	3.1135	Pulse	0.5000	3
Cr	52	45	He	195.091	ppb	0.9	107875.05	9.1402	Pulse	0.1000	3
Mn	55	45	He	188.240	ppb	1.5	38924.91	3.2980	Pulse	0.1000	3
Fe	57	72	He	233786.448	ppb	1.4	2619655.48	103.5763	Analog	0.1000	3
Co	59	72	He	184.515	ppb	1.0	239057.71	9.4514	Pulse	0.1000	3
Ni	60	72	He	187.490	ppb	1.4	69409.04	2.7443	Pulse	0.1000	3
Cu	63	72	He	187.477	ppb	2.2	205391.72	8.1218	Pulse	0.1000	3
Zn	66	72	He	94.407	ppb	3.7	9310.15	0.3681	Pulse	0.1000	3
As	75	45	He	95.170	ppb	2.7	5668.53	0.4803	Pulse	0.5000	3
Sr	88	159	He	3.225	ppb	18.2	1130.09	0.0064	Pulse	0.1000	3
Mo	98	159	He	2087.125	ppb	2.0	1921431.75	10.9209	Analog	0.1000	3
Ag	107	159	He	47.761	ppb	2.9	104695.90	0.5951	Pulse	0.1000	3
Cd	111	159	He	96.575	ppb	2.0	20303.21	0.1154	Pulse	0.5000	3
Sn	120	159	He	-0.140	ppb	N/A	1793.52	0.0102	Pulse	0.1000	3
Sb	121	159	He	0.177	ppb	26.3	93.34	0.0005	Pulse	0.1000	3
Ba	137	159	He	-0.249	ppb	N/A	813.39	0.0046	Pulse	0.1000	3
Tl	205	159	He	-0.017	ppb	N/A	146.68	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.104	ppb	29.6	566.71	0.0032	Pulse	0.1000	3
U	238	209	He	0.008	ppb	19.5	223.34	0.0018	Pulse	0.1000	3

ISTD Table:

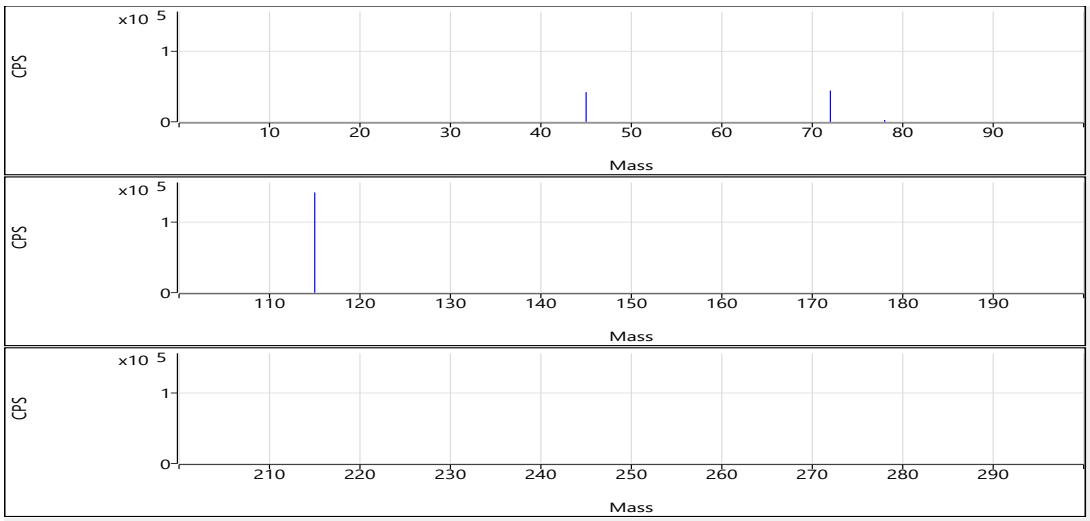
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1042535.50	1.0	99.7	Analog	0.1000	3
No Gas	Ge	72	620328.27	1.1	103.2	Pulse	0.1000	3
H2	Sc	45	42140.28	2.2	99.7	Pulse	0.1000	3
H2	Ge	72	44374.99	1.0	101.2	Pulse	0.1000	3
H2	In	115	142324.72	1.8	94.4	Pulse	0.1000	3
He	Sc	45	11801.99	1.0	103.3	Pulse	0.1000	3
He	Ge	72	25297.11	2.2	99.9	Pulse	0.1000	3
He	In	115	26787.24	1.8	98.1	Pulse	0.1000	3
He	Tb	159	175972.78	1.4	99.8	Pulse	0.1000	3
He	Bi	209	126216.89	2.0	93.6	Pulse	0.1000	3

No Gas

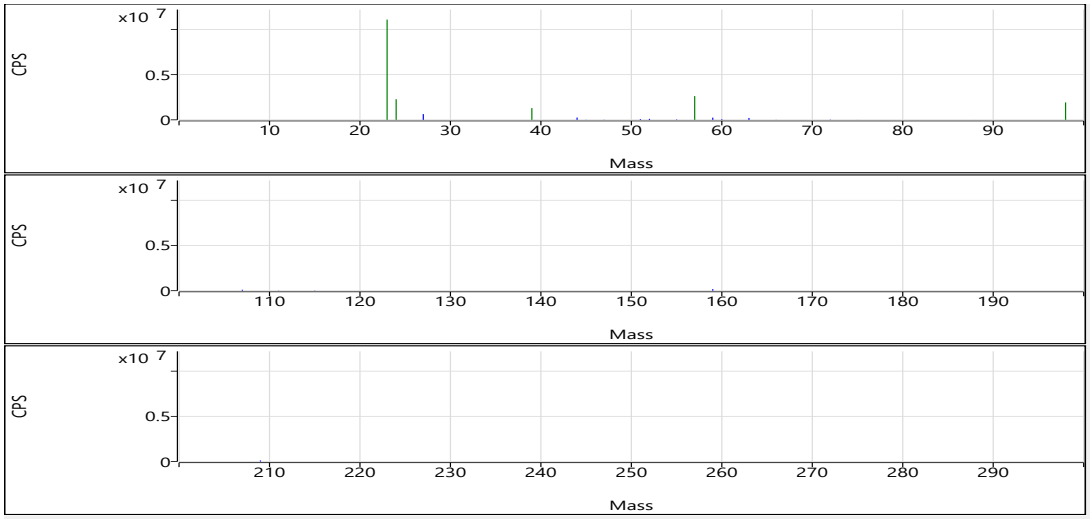


H2



Quantitation Report

He



Quantitation Report

Data File Name	079_LRC.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:27:21 PM
Sample Name	LRC 8160221
Sample Type	LRC
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

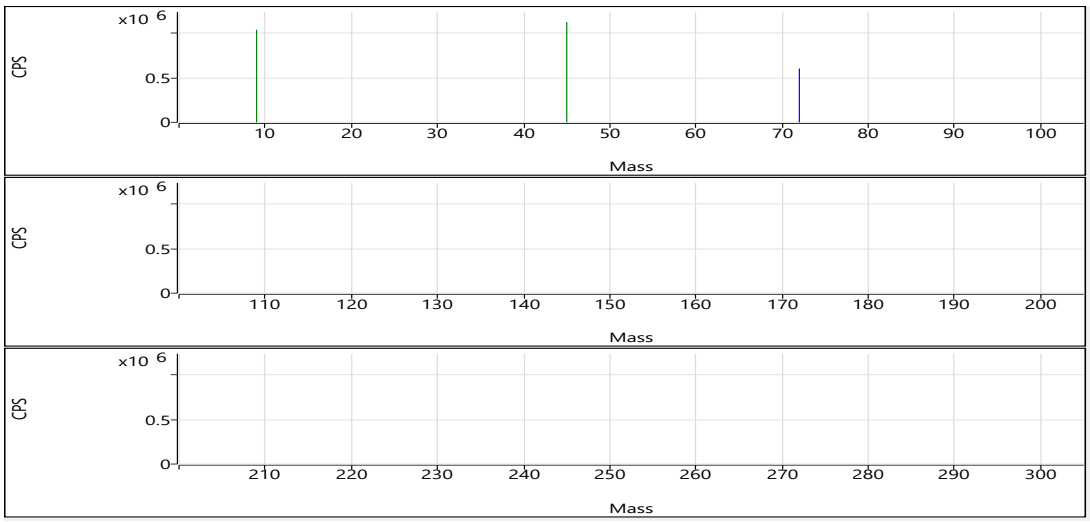
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	1834.386	ug/L	1.7	1039217.87	0.9241	Analog	0.5000	3
Se	78	72	H2	1963.083	ppb	0.7	51301.00	1.1853	Pulse	1.5000	3
Na	23	72	He	190817.390	ug/L	2.7	8622150.70	346.5230	Analog	0.1000	3
Mg	24	72	He	192509.771	ug/L	2.3	4459822.23	179.2333	Analog	0.1000	3
Al	27	72	He	202021.747	ug/L	2.5	1279170.89	51.4091	Analog	0.1000	3
K	39	72	He	193634.319	ppb	3.3	2544212.72	102.2580	Analog	0.1000	3
Ca	44	72	He	199746.440	ppb	3.8	173183.46	6.9613	Pulse	0.1000	3
Ti	47	159	He	2106.023	ppb	0.4	15552.36	0.0882	Pulse	0.1000	3
V	51	72	He	1972.266	ppb	2.6	770967.25	30.9844	Pulse	0.5000	3
Cr	52	45	He	1857.121	ppb	2.6	1094539.72	86.6306	Analog	0.1000	3
Mn	55	45	He	5544.438	ppb	2.4	1225722.11	97.0104	Analog	0.1000	3
Fe	57	72	He	150798.858	ppb	2.6	1662378.15	66.8109	Analog	0.1000	3
Co	59	72	He	1839.703	ppb	2.4	2343840.12	94.1956	Analog	0.1000	3
Ni	60	72	He	1873.868	ppb	2.1	681142.46	27.3733	Pulse	0.1000	3
Cu	63	72	He	1902.743	ppb	2.5	2049865.85	82.3815	Analog	0.1000	3
Zn	66	72	He	1882.528	ppb	3.5	181685.25	7.3027	Pulse	0.1000	3
As	75	45	He	1836.691	ppb	2.0	116906.88	9.2519	Pulse	0.5000	3
Sr	88	159	He	2013.484	ppb	0.9	485279.51	2.7517	Pulse	0.1000	3
Mo	98	159	He	2069.307	ppb	0.3	1909479.09	10.8276	Analog	0.1000	3
Ag	107	159	He	1921.630	ppb	0.2	4220960.04	23.9350	Analog	0.1000	3
Cd	111	159	He	1919.968	ppb	0.1	404519.06	2.2938	Pulse	0.5000	3
Sn	120	159	He	1950.690	ppb	0.5	1104072.87	6.2605	Mix	0.1000	3
Sb	121	159	He	1943.347	ppb	0.7	883242.54	5.0083	Pulse	0.1000	3
Ba	137	159	He	1984.853	ppb	0.4	312252.05	1.7706	Pulse	0.1000	3
Tl	205	159	He	1922.993	ppb	1.4	10731981.51	60.8595	Analog	0.1000	3
Pb	208	159	He	1927.373	ppb	1.7	7493703.43	42.4963	Analog	0.1000	3
U	238	209	He	0.089	ppb	14.8	903.40	0.0072	Pulse	0.1000	3

ISTD Table:

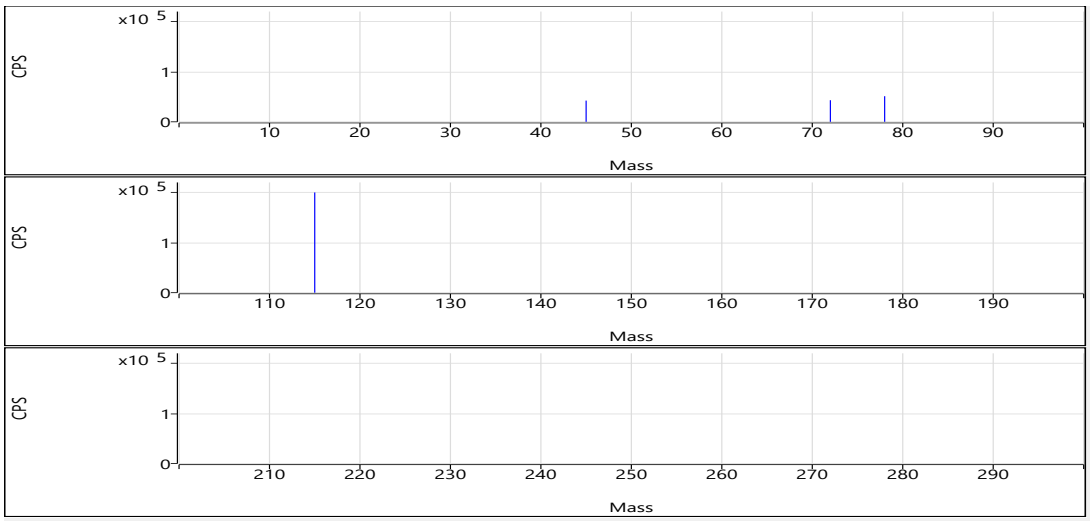
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1124772.56	1.2	107.6	Analog	0.1000	3
No Gas	Ge	72	603517.14	1.1	100.4	Pulse	0.1000	3
H2	Sc	45	42494.67	1.0	100.5	Pulse	0.1000	3
H2	Ge	72	43281.87	1.1	98.7	Pulse	0.1000	3
H2	In	115	200841.92	1.5	133.3	Pulse	0.1000	3
He	Sc	45	12639.36	2.3	110.7	Pulse	0.1000	3
He	Ge	72	24889.83	1.9	98.3	Pulse	0.1000	3
He	In	115	35574.24	0.8	130.3	Pulse	0.1000	3
He	Tb	159	176351.46	0.7	100.0	Pulse	0.1000	3
He	Bi	209	126140.04	1.8	93.5	Pulse	0.1000	3

No Gas

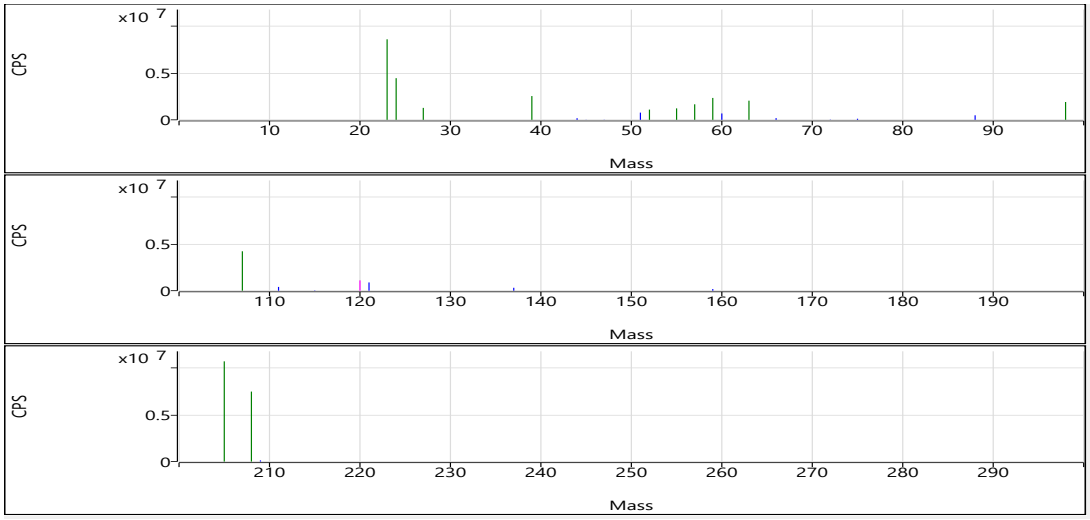


H2



Quantitation Report

He



Quantitation Report

Data File Name	093_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 6:55:27 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

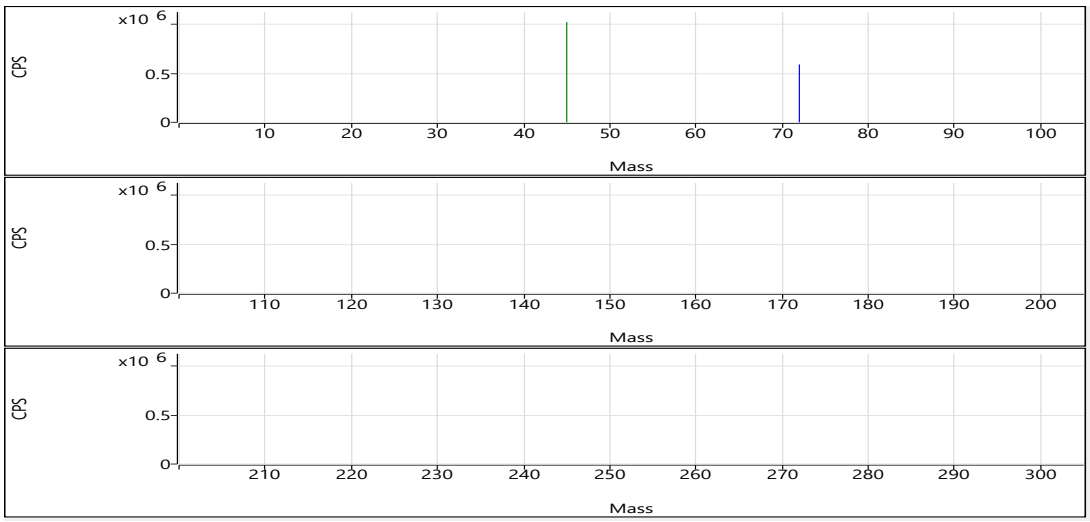
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.023	ug/L	107.5	37.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.033	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	3.355	ug/L	107.7	5617.97	0.2294	Pulse	0.1000	3
Mg	24	72	He	1.652	ug/L	110.4	193.34	0.0079	Pulse	0.1000	3
Al	27	72	He	-3.478	ug/L	N/A	23.33	0.0010	Pulse	0.1000	3
K	39	72	He	13.081	ppb	105.0	2130.25	0.0868	Pulse	0.1000	3
Ca	44	72	He	40.308	ppb	69.5	56.67	0.0023	Pulse	0.1000	3
Ti	47	159	He	-0.010	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.075	ppb	74.6	141.33	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.134	ppb	N/A	420.02	0.0380	Pulse	0.1000	3
Mn	55	45	He	0.153	ppb	59.0	80.00	0.0072	Pulse	0.1000	3
Fe	57	72	He	5.447	ppb	62.4	146.67	0.0060	Pulse	0.1000	3
Co	59	72	He	0.021	ppb	79.0	133.34	0.0054	Pulse	0.1000	3
Ni	60	72	He	0.122	ppb	153.6	193.34	0.0078	Pulse	0.1000	3
Cu	63	72	He	0.026	ppb	33.8	156.68	0.0064	Pulse	0.1000	3
Zn	66	72	He	-0.016	ppb	N/A	46.67	0.0019	Pulse	0.1000	3
As	75	45	He	-0.004	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	-0.174	ppb	N/A	316.69	0.0018	Pulse	0.1000	3
Mo	98	159	He	0.025	ppb	201.8	83.34	0.0005	Pulse	0.1000	3
Ag	107	159	He	-0.005	ppb	N/A	20.00	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.012	ppb	1.4	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.186	ppb	N/A	1783.52	0.0100	Pulse	0.1000	3
Sb	121	159	He	0.058	ppb	100.3	40.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.550	ppb	N/A	773.39	0.0044	Pulse	0.1000	3
Tl	205	159	He	-0.006	ppb	N/A	213.35	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.010	ppb	109.7	203.34	0.0011	Pulse	0.1000	3
U	238	209	He	0.000	ppb	1153.8	173.34	0.0013	Pulse	0.1000	3

ISTD Table:

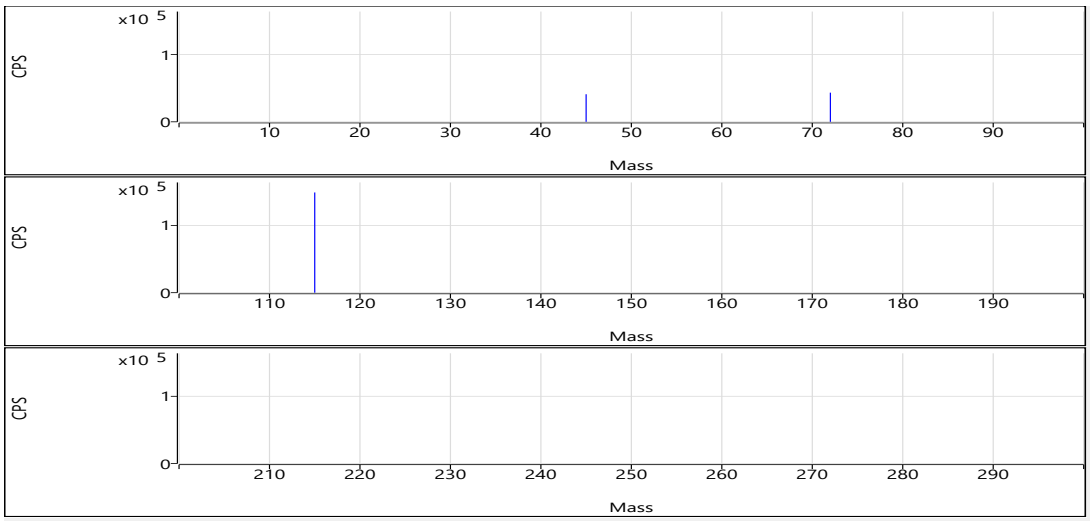
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1021661.76	0.7	97.7	Analog	0.1000	3
No Gas	Ge	72	589856.35	0.9	98.1	Pulse	0.1000	3
H2	Sc	45	40793.07	1.3	96.5	Pulse	0.1000	3
H2	Ge	72	43141.04	0.3	98.3	Pulse	0.1000	3
H2	In	115	148318.36	0.5	98.4	Pulse	0.1000	3
He	Sc	45	11051.29	1.6	96.8	Pulse	0.1000	3
He	Ge	72	24495.74	3.5	96.7	Pulse	0.1000	3
He	In	115	27004.51	2.8	98.9	Pulse	0.1000	3
He	Tb	159	177580.68	0.6	100.7	Pulse	0.1000	3
He	Bi	209	136104.41	0.5	100.9	Pulse	0.1000	3

No Gas

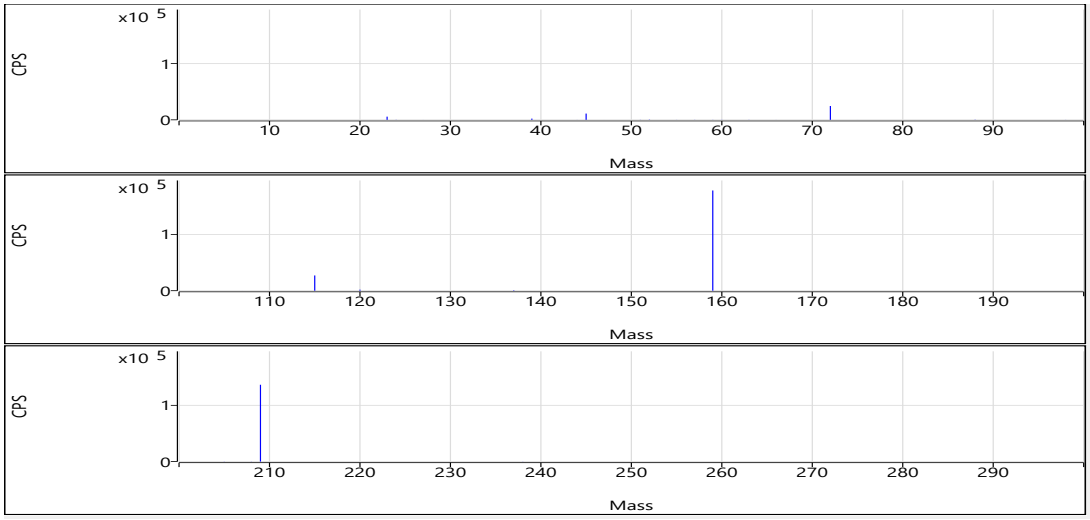


H2



Quantitation Report

He



Quantitation Report

Data File Name	095_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:01:18 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

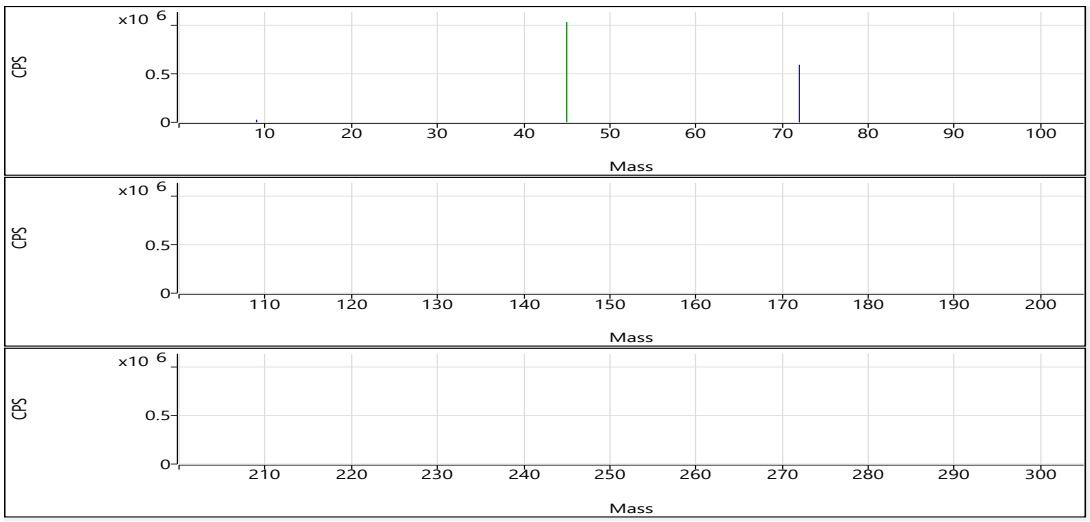
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.968	ug/L	1.3	25943.86	0.0252	Pulse	0.5000	3
Se	78	72	H2	50.533	ppb	4.0	1313.40	0.0306	Pulse	1.5000	3
Na	23	72	He	4912.004	ug/L	1.9	227142.20	9.1377	Pulse	0.1000	3
Mg	24	72	He	4931.754	ug/L	1.9	114290.56	4.5978	Pulse	0.1000	3
Al	27	72	He	4962.770	ug/L	2.6	31435.29	1.2647	Pulse	0.1000	3
K	39	72	He	4918.617	ppb	2.4	66506.19	2.6754	Pulse	0.1000	3
Ca	44	72	He	4846.199	ppb	1.4	4220.80	0.1698	Pulse	0.1000	3
Ti	47	159	He	4985.945	ppb	2.0	37079.54	0.2087	Pulse	0.1000	3
V	51	72	He	492.801	ppb	1.2	192546.95	7.7454	Pulse	0.5000	3
Cr	52	45	He	505.392	ppb	2.3	267558.81	23.6076	Pulse	0.1000	3
Mn	55	45	He	496.846	ppb	4.1	98541.62	8.6974	Pulse	0.1000	3
Fe	57	72	He	4907.408	ppb	1.9	54131.78	2.1776	Pulse	0.1000	3
Co	59	72	He	471.172	ppb	1.9	599759.63	24.1280	Pulse	0.1000	3
Ni	60	72	He	491.561	ppb	1.2	178622.00	7.1852	Pulse	0.1000	3
Cu	63	72	He	493.439	ppb	1.8	531161.53	21.3679	Pulse	0.1000	3
Zn	66	72	He	491.864	ppb	0.3	47474.96	1.9095	Pulse	0.1000	3
As	75	45	He	506.957	ppb	3.1	28947.47	2.5543	Pulse	0.5000	3
Sr	88	159	He	52.866	ppb	4.2	13183.43	0.0742	Pulse	0.1000	3
Mo	98	159	He	49.464	ppb	0.5	46041.66	0.2592	Pulse	0.1000	3
Ag	107	159	He	49.630	ppb	0.6	109851.49	0.6183	Pulse	0.1000	3
Cd	111	159	He	49.677	ppb	1.0	10546.82	0.0594	Pulse	0.5000	3
Sn	120	159	He	49.526	ppb	3.7	30074.28	0.1693	Pulse	0.1000	3
Sb	121	159	He	48.994	ppb	2.2	22442.81	0.1263	Pulse	0.1000	3
Ba	137	159	He	498.564	ppb	1.2	79665.10	0.4484	Pulse	0.1000	3
Tl	205	159	He	49.437	ppb	1.2	278223.94	1.5659	Pulse	0.1000	3
Pb	208	159	He	49.576	ppb	1.1	194354.51	1.0940	Pulse	0.1000	3
U	238	209	He	49.431	ppb	1.0	449224.86	3.2853	Pulse	0.1000	3

ISTD Table:

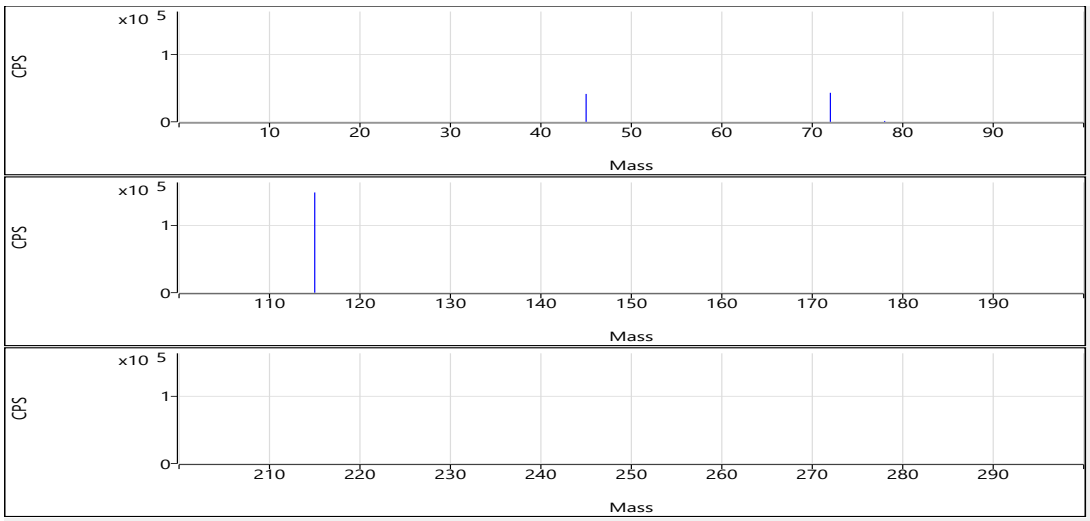
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1029753.87	0.7	98.5	Analog	0.1000	3
No Gas	Ge	72	590994.68	0.6	98.3	Pulse	0.1000	3
H2	Sc	45	41311.35	0.7	97.7	Pulse	0.1000	3
H2	Ge	72	42980.60	0.5	98.0	Pulse	0.1000	3
H2	In	115	148455.32	0.8	98.5	Pulse	0.1000	3
He	Sc	45	11338.20	2.7	99.3	Pulse	0.1000	3
He	Ge	72	24862.90	1.8	98.2	Pulse	0.1000	3
He	In	115	27098.00	3.2	99.3	Pulse	0.1000	3
He	Tb	159	177666.40	1.3	100.7	Pulse	0.1000	3
He	Bi	209	136762.10	2.6	101.4	Pulse	0.1000	3

No Gas

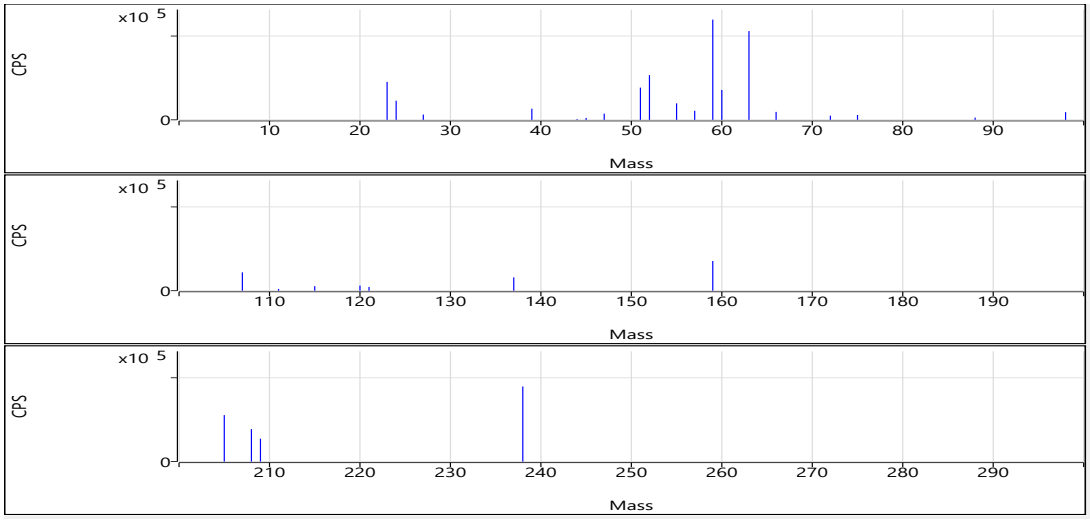


H2



Quantitation Report

He



Quantitation Report

Data File Name	098SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:08:42 PM
Sample Name	MB 410-684038/1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

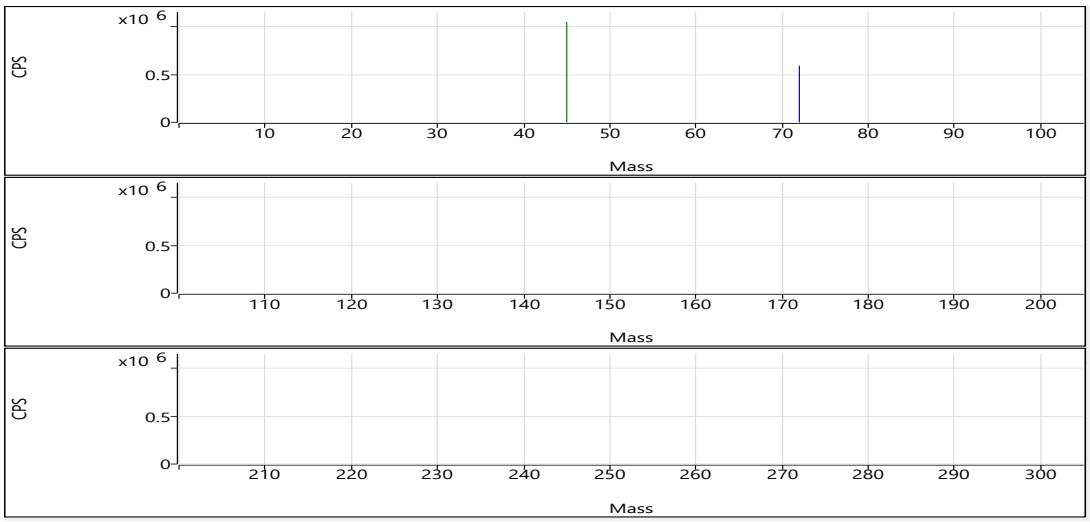
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.007	ug/L	102.7	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.041	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	4.791	ug/L	216.1	5804.71	0.2320	Pulse	0.1000	3
Mg	24	72	He	0.607	ug/L	276.4	173.34	0.0069	Pulse	0.1000	3
Al	27	72	He	3.278	ug/L	109.6	66.67	0.0027	Pulse	0.1000	3
K	39	72	He	19.543	ppb	63.6	2263.59	0.0902	Pulse	0.1000	3
Ca	44	72	He	11.809	ppb	59.5	33.33	0.0013	Pulse	0.1000	3
Ti	47	159	He	-0.454	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.013	ppb	230.4	120.67	0.0048	Pulse	0.5000	3
Cr	52	45	He	-0.146	ppb	N/A	426.69	0.0375	Pulse	0.1000	3
Mn	55	45	He	0.577	ppb	7.8	166.68	0.0147	Pulse	0.1000	3
Fe	57	72	He	5.243	ppb	43.5	146.68	0.0059	Pulse	0.1000	3
Co	59	72	He	-0.002	ppb	N/A	106.67	0.0042	Pulse	0.1000	3
Ni	60	72	He	0.088	ppb	82.5	183.34	0.0073	Pulse	0.1000	3
Cu	63	72	He	0.083	ppb	66.6	220.01	0.0088	Pulse	0.1000	3
Zn	66	72	He	0.456	ppb	41.1	93.33	0.0037	Pulse	0.1000	3
As	75	45	He	-0.007	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	-0.099	ppb	N/A	333.35	0.0019	Pulse	0.1000	3
Mo	98	159	He	-0.003	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	49.1	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	19578.7	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.707	ppb	N/A	1480.13	0.0084	Pulse	0.1000	3
Sb	121	159	He	0.015	ppb	2.6	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.754	ppb	N/A	736.72	0.0042	Pulse	0.1000	3
Tl	205	159	He	-0.014	ppb	N/A	166.68	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.005	ppb	245.1	183.34	0.0010	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	170.01	0.0012	Pulse	0.1000	3

ISTD Table:

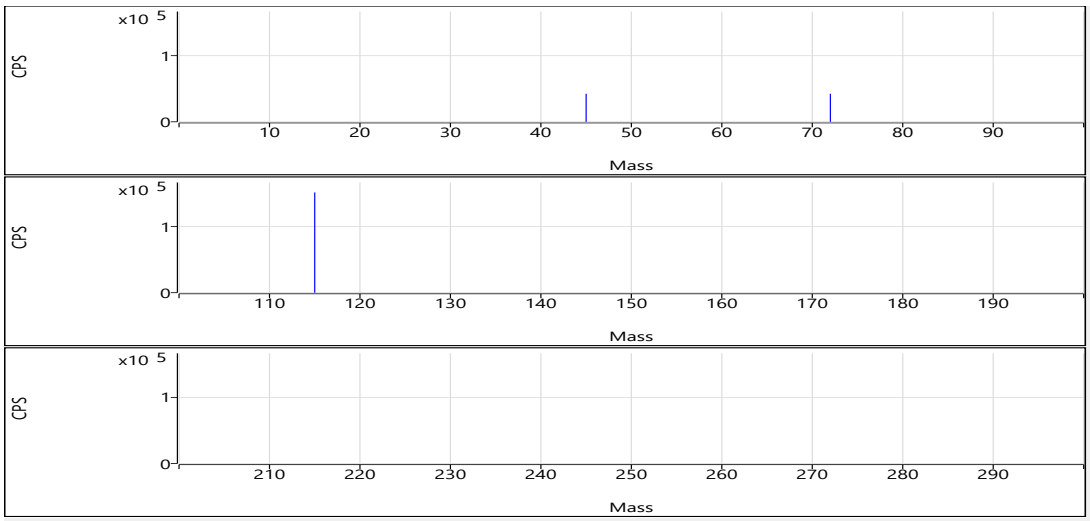
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1050293.63	0.4	100.5	Analog	0.1000	3
No Gas	Ge	72	593496.72	0.6	98.7	Pulse	0.1000	3
H2	Sc	45	42468.26	0.8	100.5	Pulse	0.1000	3
H2	Ge	72	42512.70	2.0	96.9	Pulse	0.1000	3
H2	In	115	151788.84	1.2	100.7	Pulse	0.1000	3
He	Sc	45	11374.97	3.3	99.6	Pulse	0.1000	3
He	Ge	72	25063.20	3.4	98.9	Pulse	0.1000	3
He	In	115	27542.32	1.7	100.9	Pulse	0.1000	3
He	Tb	159	176766.51	0.9	100.2	Pulse	0.1000	3
He	Bi	209	138767.05	1.3	102.9	Pulse	0.1000	3

No Gas

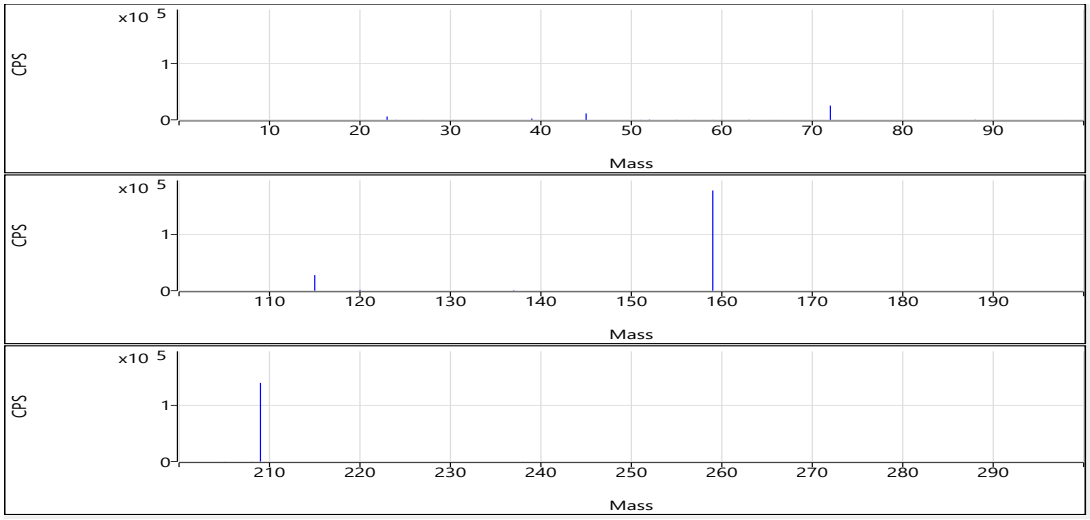


H2



Quantitation Report

He



Quantitation Report

Data File Name	099SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:10:42 PM
Sample Name	MB 410-683864/1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

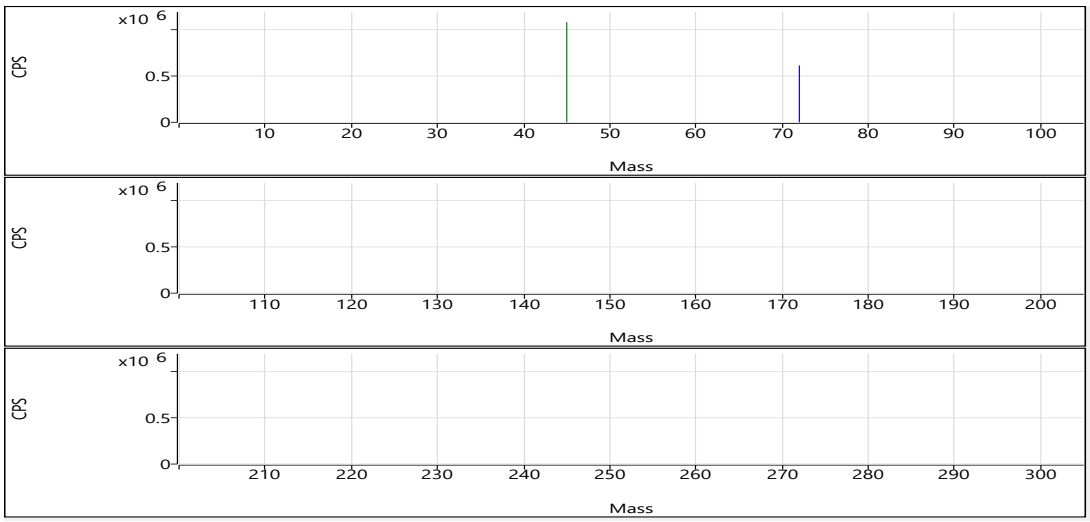
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ug/L	N/A	21.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.035	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	-4.491	ug/L	N/A	5581.24	0.2152	Pulse	0.1000	3
Mg	24	72	He	0.103	ug/L	1771.1	166.68	0.0064	Pulse	0.1000	3
Al	27	72	He	-3.220	ug/L	N/A	26.67	0.0010	Pulse	0.1000	3
K	39	72	He	12.475	ppb	114.9	2243.59	0.0865	Pulse	0.1000	3
Ca	44	72	He	40.071	ppb	29.9	60.00	0.0023	Pulse	0.1000	3
Ti	47	159	He	-0.461	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	-0.043	ppb	N/A	102.00	0.0039	Pulse	0.5000	3
Cr	52	45	He	-0.312	ppb	N/A	353.35	0.0298	Pulse	0.1000	3
Mn	55	45	He	0.045	ppb	336.8	63.33	0.0054	Pulse	0.1000	3
Fe	57	72	He	3.910	ppb	82.2	136.67	0.0053	Pulse	0.1000	3
Co	59	72	He	0.005	ppb	496.9	120.01	0.0046	Pulse	0.1000	3
Ni	60	72	He	-0.010	ppb	N/A	153.34	0.0059	Pulse	0.1000	3
Cu	63	72	He	0.039	ppb	61.7	180.01	0.0069	Pulse	0.1000	3
Zn	66	72	He	0.122	ppb	53.5	63.33	0.0024	Pulse	0.1000	3
As	75	45	He	-0.016	ppb	N/A	10.00	0.0008	Pulse	0.5000	3
Sr	88	159	He	0.085	ppb	321.8	386.68	0.0021	Pulse	0.1000	3
Mo	98	159	He	0.002	ppb	1197.3	63.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	-0.002	ppb	N/A	26.67	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.009	ppb	60.8	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.894	ppb	N/A	1406.80	0.0078	Pulse	0.1000	3
Sb	121	159	He	0.007	ppb	684.5	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	1.000	ppb	79.3	1036.74	0.0057	Pulse	0.1000	3
Tl	205	159	He	-0.009	ppb	N/A	196.68	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.004	ppb	33.2	183.34	0.0010	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	170.01	0.0012	Pulse	0.1000	3

ISTD Table:

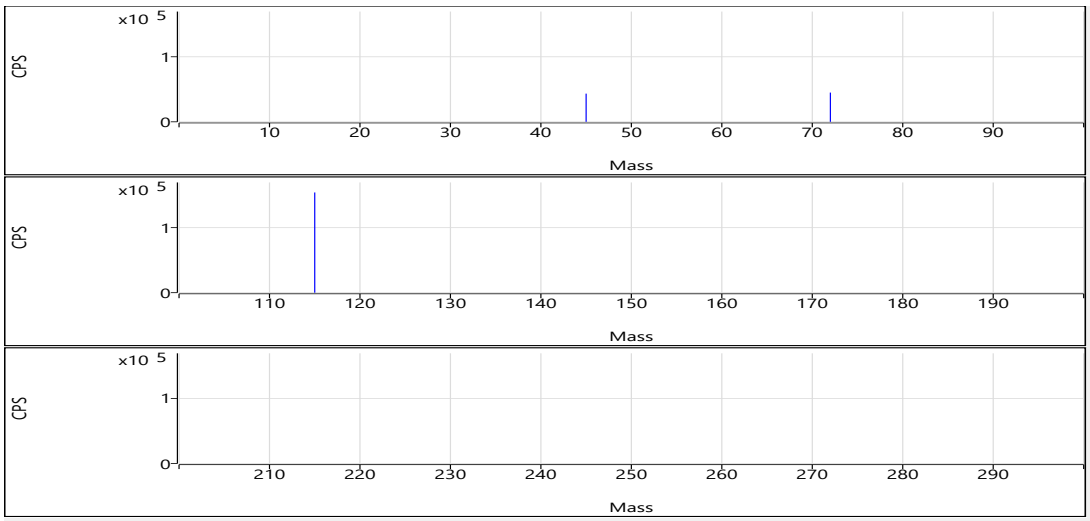
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1077295.32	0.2	103.1	Analog	0.1000	3
No Gas	Ge	72	610944.38	0.2	101.6	Pulse	0.1000	3
H2	Sc	45	43665.04	1.8	103.3	Pulse	0.1000	3
H2	Ge	72	45291.36	0.6	103.2	Pulse	0.1000	3
H2	In	115	155321.52	1.1	103.1	Pulse	0.1000	3
He	Sc	45	11948.82	4.6	104.6	Pulse	0.1000	3
He	Ge	72	25938.25	1.4	102.4	Pulse	0.1000	3
He	In	115	28046.66	1.1	102.8	Pulse	0.1000	3
He	Tb	159	180907.59	0.3	102.6	Pulse	0.1000	3
He	Bi	209	137529.64	1.8	102.0	Pulse	0.1000	3

No Gas

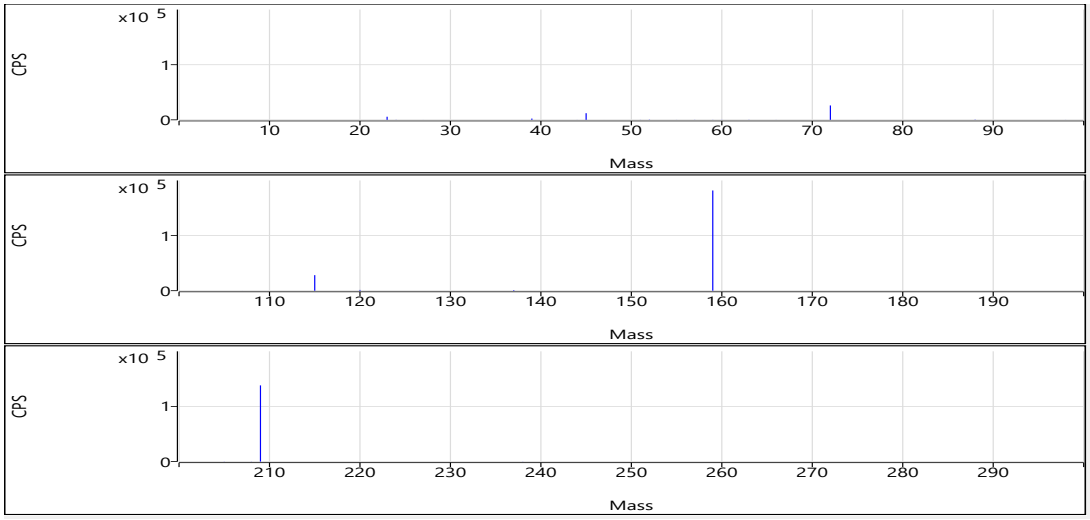


H2



Quantitation Report

He



Quantitation Report

Data File Name	100SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:12:41 PM
Sample Name	MB 410-681239/1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

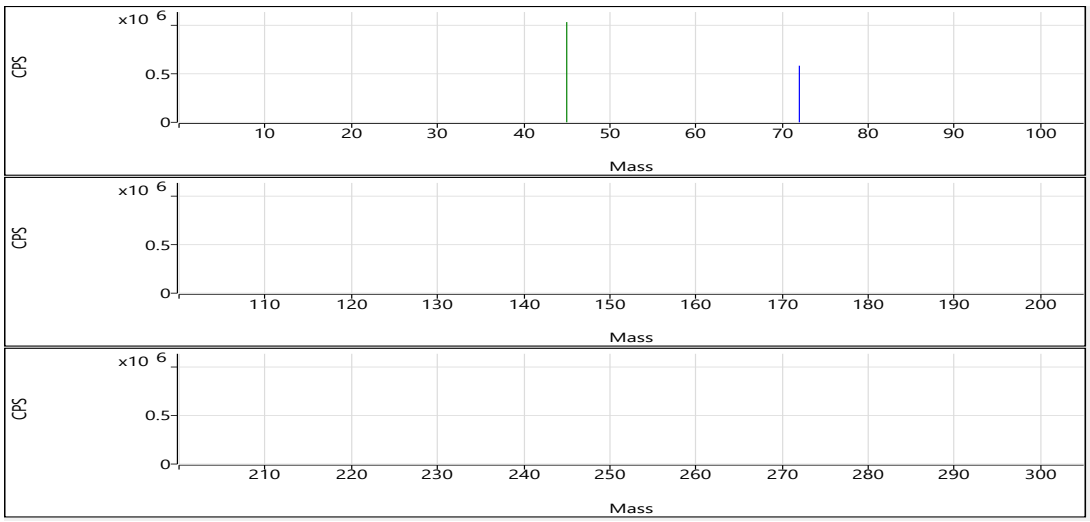
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.008	ug/L	81.7	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.015	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	-1.632	ug/L	N/A	5391.21	0.2204	Pulse	0.1000	3
Mg	24	72	He	0.227	ug/L	281.3	160.01	0.0065	Pulse	0.1000	3
Al	27	72	He	-2.444	ug/L	N/A	30.00	0.0012	Pulse	0.1000	3
K	39	72	He	29.336	ppb	64.1	2333.62	0.0954	Pulse	0.1000	3
Ca	44	72	He	16.499	ppb	106.5	36.67	0.0015	Pulse	0.1000	3
Ti	47	159	He	1.347	ppb	57.7	16.67	0.0001	Pulse	0.1000	3
V	51	72	He	0.078	ppb	73.1	142.67	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.238	ppb	N/A	373.35	0.0332	Pulse	0.1000	3
Mn	55	45	He	0.284	ppb	79.9	106.67	0.0095	Pulse	0.1000	3
Fe	57	72	He	6.703	ppb	43.5	160.01	0.0065	Pulse	0.1000	3
Co	59	72	He	0.027	ppb	86.0	140.01	0.0057	Pulse	0.1000	3
Ni	60	72	He	-0.033	ppb	N/A	136.67	0.0056	Pulse	0.1000	3
Cu	63	72	He	0.121	ppb	52.1	256.68	0.0105	Pulse	0.1000	3
Zn	66	72	He	-0.086	ppb	N/A	40.00	0.0016	Pulse	0.1000	3
As	75	45	He	-0.041	ppb	N/A	8.00	0.0007	Pulse	0.5000	3
Sr	88	159	He	-0.211	ppb	N/A	306.69	0.0017	Pulse	0.1000	3
Mo	98	159	He	-0.011	ppb	N/A	50.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	100.9	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.003	ppb	1.7	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.757	ppb	N/A	1453.46	0.0082	Pulse	0.1000	3
Sb	121	159	He	0.029	ppb	114.4	26.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.275	ppb	N/A	813.39	0.0046	Pulse	0.1000	3
Tl	205	159	He	-0.010	ppb	N/A	190.01	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.018	ppb	158.0	233.35	0.0013	Pulse	0.1000	3
U	238	209	He	0.001	ppb	422.4	183.34	0.0013	Pulse	0.1000	3

ISTD Table:

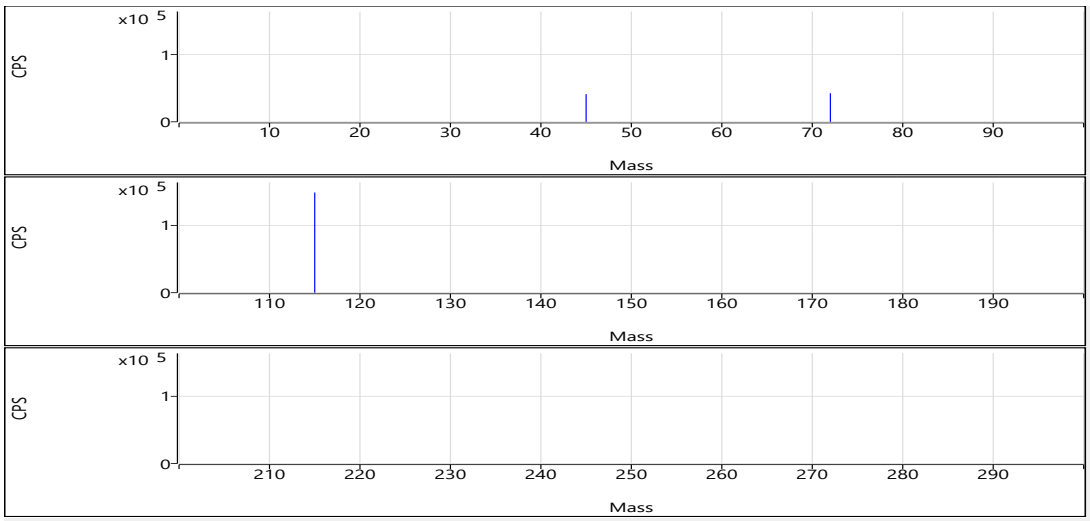
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030961.76	0.4	98.6	Analog	0.1000	3
No Gas	Ge	72	582188.17	0.8	96.8	Pulse	0.1000	3
H2	Sc	45	41505.09	0.8	98.2	Pulse	0.1000	3
H2	Ge	72	42877.20	1.1	97.7	Pulse	0.1000	3
H2	In	115	150246.65	1.1	99.7	Pulse	0.1000	3
He	Sc	45	11288.25	3.7	98.8	Pulse	0.1000	3
He	Ge	72	24488.88	2.1	96.7	Pulse	0.1000	3
He	In	115	27077.80	1.7	99.2	Pulse	0.1000	3
He	Tb	159	176914.49	0.3	100.3	Pulse	0.1000	3
He	Bi	209	138561.04	1.0	102.7	Pulse	0.1000	3

No Gas

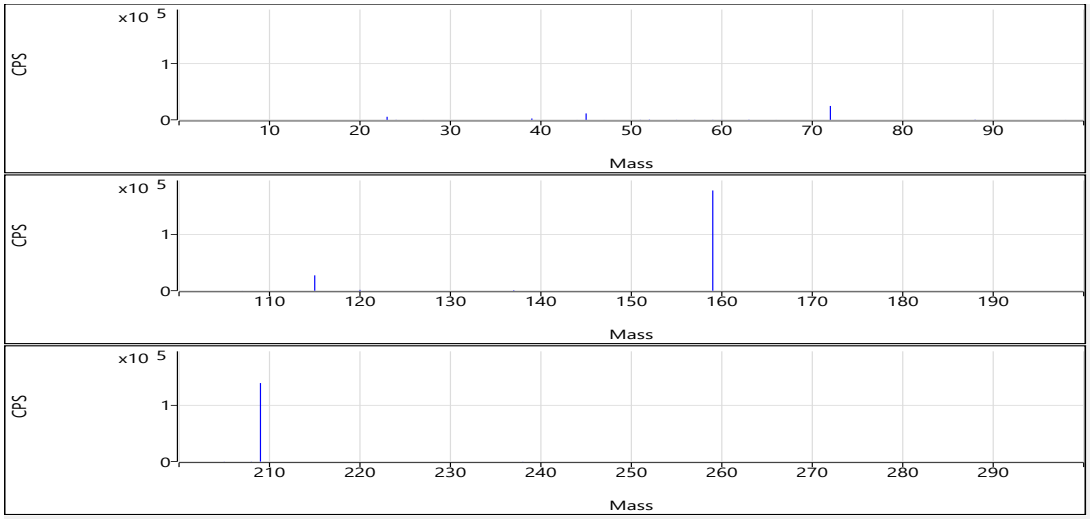


H2



Quantitation Report

He



Quantitation Report

Data File Name	101SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:14:43 PM
Sample Name	MB 410-681233/1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

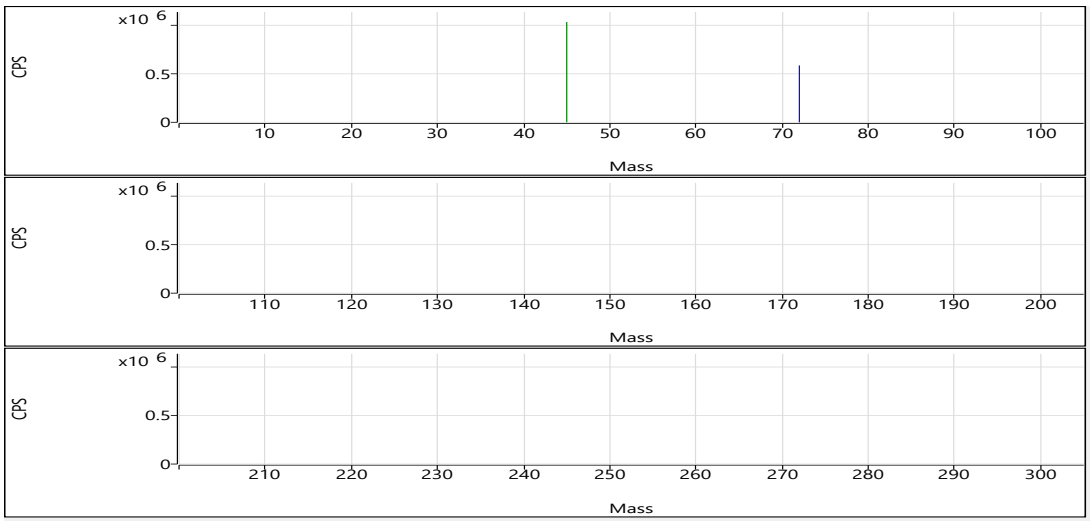
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.003	ug/L	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.015	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	-8.313	ug/L	N/A	5104.42	0.2082	Pulse	0.1000	3
Mg	24	72	He	1.544	ug/L	99.9	190.01	0.0078	Pulse	0.1000	3
Al	27	72	He	-4.034	ug/L	N/A	20.00	0.0008	Pulse	0.1000	3
K	39	72	He	12.838	ppb	238.3	2123.57	0.0867	Pulse	0.1000	3
Ca	44	72	He	39.743	ppb	138.5	56.67	0.0023	Pulse	0.1000	3
Ti	47	159	He	0.471	ppb	505.3	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.128	ppb	49.4	162.00	0.0066	Pulse	0.5000	3
Cr	52	45	He	0.135	ppb	120.3	570.03	0.0506	Pulse	0.1000	3
Mn	55	45	He	0.211	ppb	16.5	93.33	0.0083	Pulse	0.1000	3
Fe	57	72	He	14.099	ppb	18.6	240.01	0.0098	Pulse	0.1000	3
Co	59	72	He	0.003	ppb	511.4	110.00	0.0045	Pulse	0.1000	3
Ni	60	72	He	0.023	ppb	417.4	156.67	0.0064	Pulse	0.1000	3
Cu	63	72	He	0.083	ppb	31.5	216.68	0.0088	Pulse	0.1000	3
Zn	66	72	He	0.085	ppb	552.6	56.67	0.0023	Pulse	0.1000	3
As	75	45	He	-0.028	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	0.073	ppb	234.2	373.35	0.0021	Pulse	0.1000	3
Mo	98	159	He	0.061	ppb	38.9	116.67	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	81.5	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.606	ppb	N/A	1530.14	0.0087	Pulse	0.1000	3
Sb	121	159	He	-0.015	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
Ba	137	159	He	0.185	ppb	394.2	880.07	0.0050	Pulse	0.1000	3
Tl	205	159	He	-0.011	ppb	N/A	180.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.015	ppb	80.9	220.01	0.0013	Pulse	0.1000	3
U	238	209	He	-0.005	ppb	N/A	126.67	0.0009	Pulse	0.1000	3

ISTD Table:

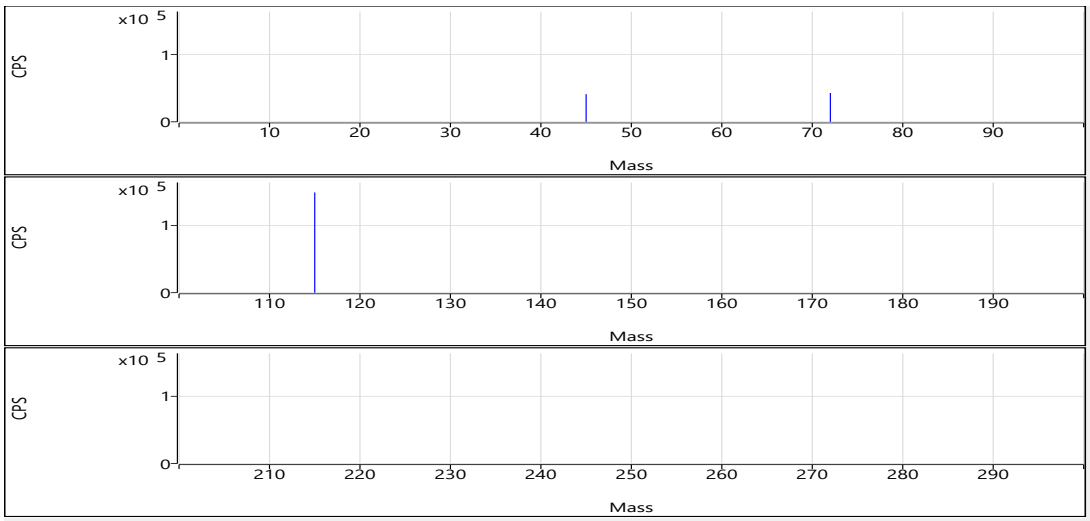
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1038010.22	0.6	99.3	Analog	0.1000	3
No Gas	Ge	72	588992.45	1.1	98.0	Pulse	0.1000	3
H2	Sc	45	41077.35	3.0	97.2	Pulse	0.1000	3
H2	Ge	72	42827.13	1.7	97.6	Pulse	0.1000	3
H2	In	115	148953.61	1.1	98.8	Pulse	0.1000	3
He	Sc	45	11261.54	5.5	98.6	Pulse	0.1000	3
He	Ge	72	24515.55	0.8	96.8	Pulse	0.1000	3
He	In	115	26807.34	3.0	98.2	Pulse	0.1000	3
He	Tb	159	175983.83	1.1	99.8	Pulse	0.1000	3
He	Bi	209	137691.68	3.0	102.1	Pulse	0.1000	3

No Gas

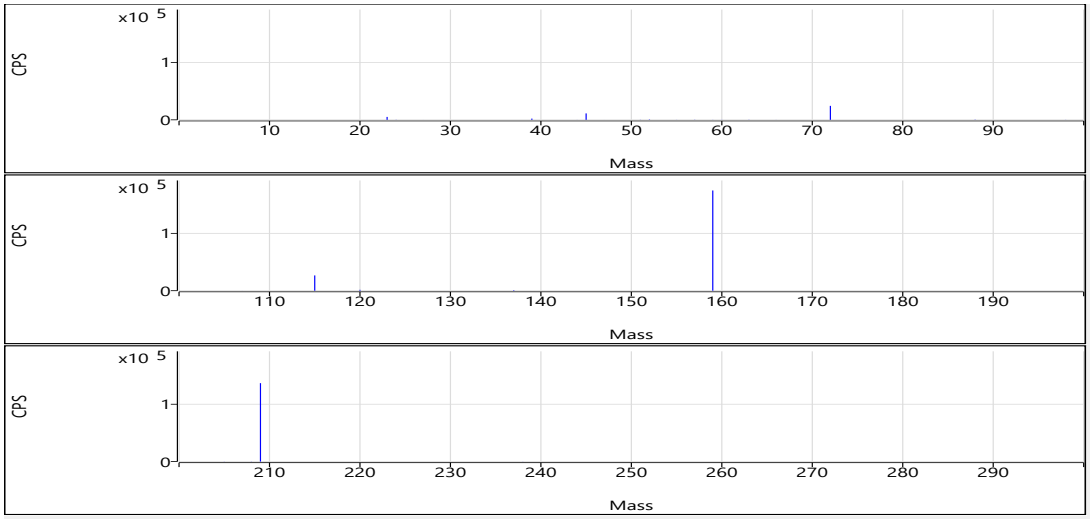


H2



Quantitation Report

He



Quantitation Report

Data File Name	102SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:16:45 PM
Sample Name	LCS 410-681233/2-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

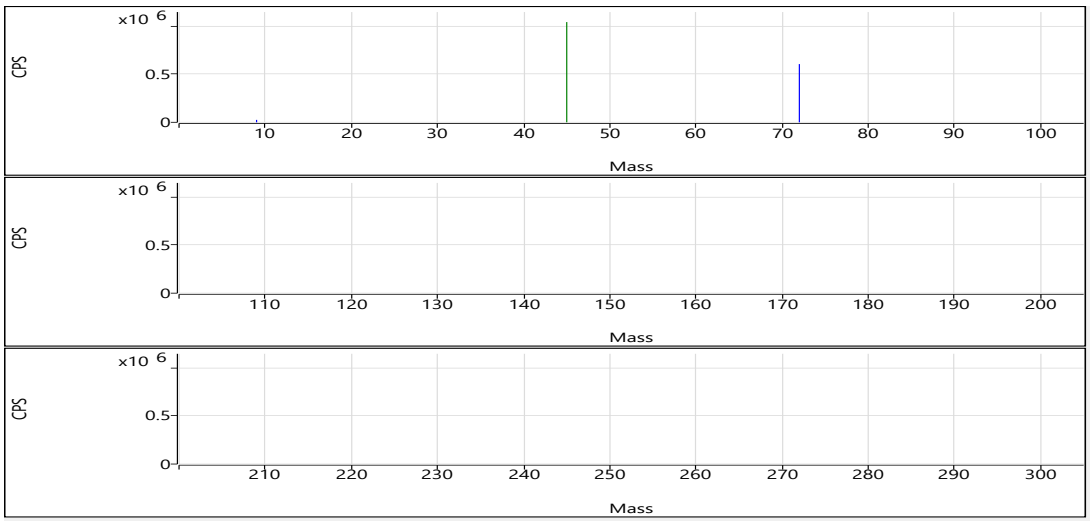
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.793	ug/L	1.0	25058.27	0.0241	Pulse	0.5000	3
Se	78	72	H2	98.016	ppb	1.5	2607.36	0.0592	Pulse	1.5000	3
Na	23	72	He	4805.945	ug/L	2.0	224973.47	8.9453	Pulse	0.1000	3
Mg	24	72	He	4694.581	ug/L	0.9	110100.64	4.3770	Pulse	0.1000	3
Al	27	72	He	4743.322	ug/L	1.3	30409.77	1.2088	Pulse	0.1000	3
K	39	72	He	4832.069	ppb	1.6	66138.46	2.6297	Pulse	0.1000	3
Ca	44	72	He	5249.570	ppb	2.4	4624.29	0.1838	Pulse	0.1000	3
Ti	47	159	He	511.648	ppb	5.2	3757.31	0.0215	Pulse	0.1000	3
V	51	72	He	472.422	ppb	0.8	186761.11	7.4253	Pulse	0.5000	3
Cr	52	45	He	493.051	ppb	0.8	261985.84	23.0323	Pulse	0.1000	3
Mn	55	45	He	489.423	ppb	1.0	97454.19	8.5675	Pulse	0.1000	3
Fe	57	72	He	4767.076	ppb	0.8	53208.56	2.1155	Pulse	0.1000	3
Co	59	72	He	458.600	ppb	1.1	590660.28	23.4843	Pulse	0.1000	3
Ni	60	72	He	479.913	ppb	0.4	176454.98	7.0150	Pulse	0.1000	3
Cu	63	72	He	483.207	ppb	1.2	526284.43	20.9249	Pulse	0.1000	3
Zn	66	72	He	541.571	ppb	0.6	52877.72	2.1023	Pulse	0.1000	3
As	75	45	He	502.862	ppb	1.2	28819.82	2.5337	Pulse	0.5000	3
Sr	88	159	He	49.781	ppb	3.3	12262.56	0.0700	Pulse	0.1000	3
Mo	98	159	He	48.400	ppb	2.9	44419.75	0.2536	Pulse	0.1000	3
Ag	107	159	He	49.981	ppb	1.5	109096.34	0.6227	Pulse	0.1000	3
Cd	111	159	He	49.470	ppb	2.3	10356.66	0.0591	Pulse	0.5000	3
Sn	120	159	He	96.305	ppb	1.3	55920.36	0.3192	Pulse	0.1000	3
Sb	121	159	He	96.876	ppb	3.3	43748.64	0.2497	Pulse	0.1000	3
Ba	137	159	He	491.439	ppb	2.0	77438.89	0.4420	Pulse	0.1000	3
Tl	205	159	He	98.681	ppb	1.7	547395.03	3.1244	Pulse	0.1000	3
Pb	208	159	He	50.092	ppb	1.8	193650.10	1.1054	Pulse	0.1000	3
U	238	209	He	48.928	ppb	2.6	439915.47	3.2519	Pulse	0.1000	3

ISTD Table:

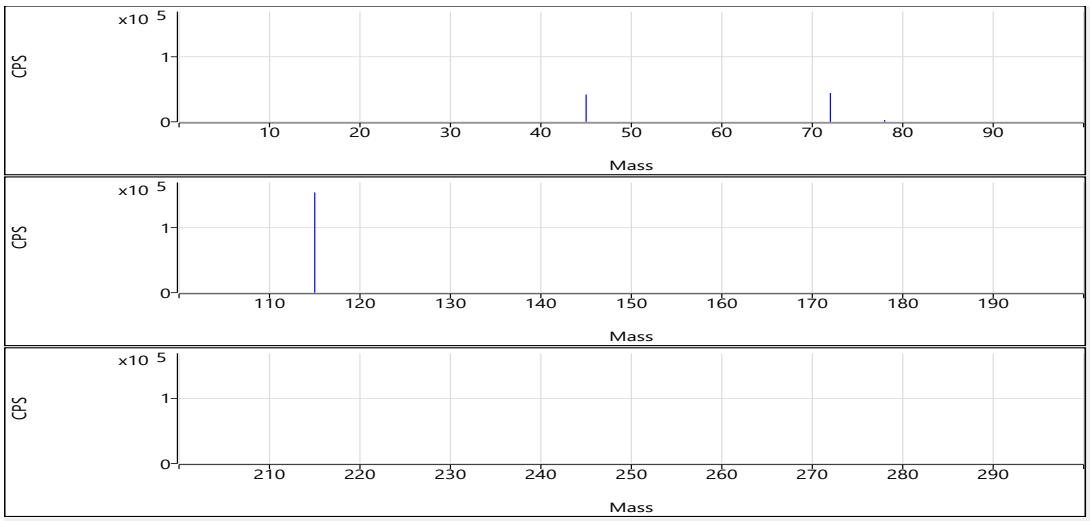
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1039809.78	0.7	99.5	Analog	0.1000	3
No Gas	Ge	72	603825.88	0.8	100.4	Pulse	0.1000	3
H2	Sc	45	41739.28	0.8	98.8	Pulse	0.1000	3
H2	Ge	72	44020.68	0.5	100.3	Pulse	0.1000	3
H2	In	115	153218.79	1.4	101.7	Pulse	0.1000	3
He	Sc	45	11374.95	0.5	99.6	Pulse	0.1000	3
He	Ge	72	25153.48	1.2	99.3	Pulse	0.1000	3
He	In	115	27061.25	0.8	99.1	Pulse	0.1000	3
He	Tb	159	175211.91	1.3	99.3	Pulse	0.1000	3
He	Bi	209	135310.84	2.3	100.3	Pulse	0.1000	3

No Gas

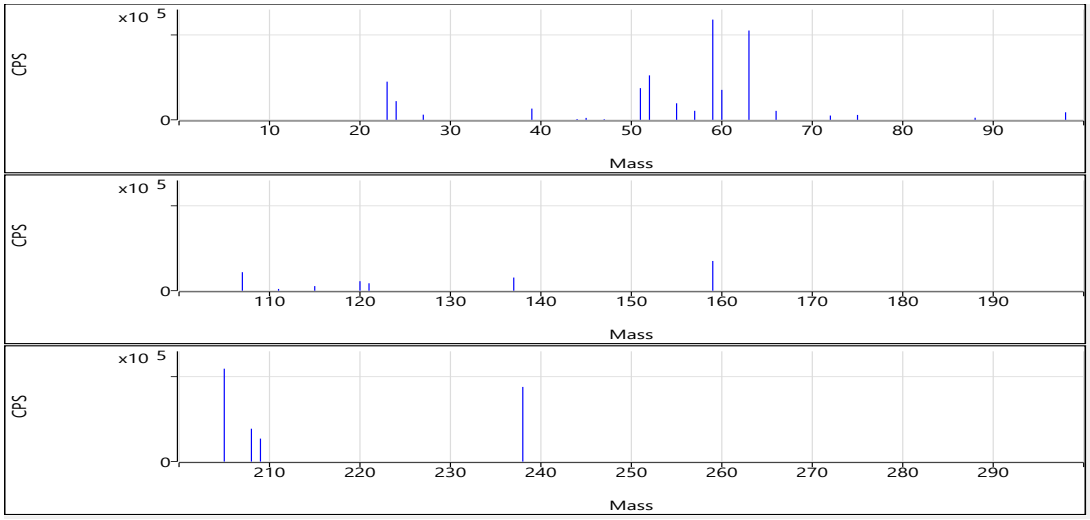


H2



Quantitation Report

He



Quantitation Report

Data File Name	103SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:18:45 PM
Sample Name	LCS 410-681239/2-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

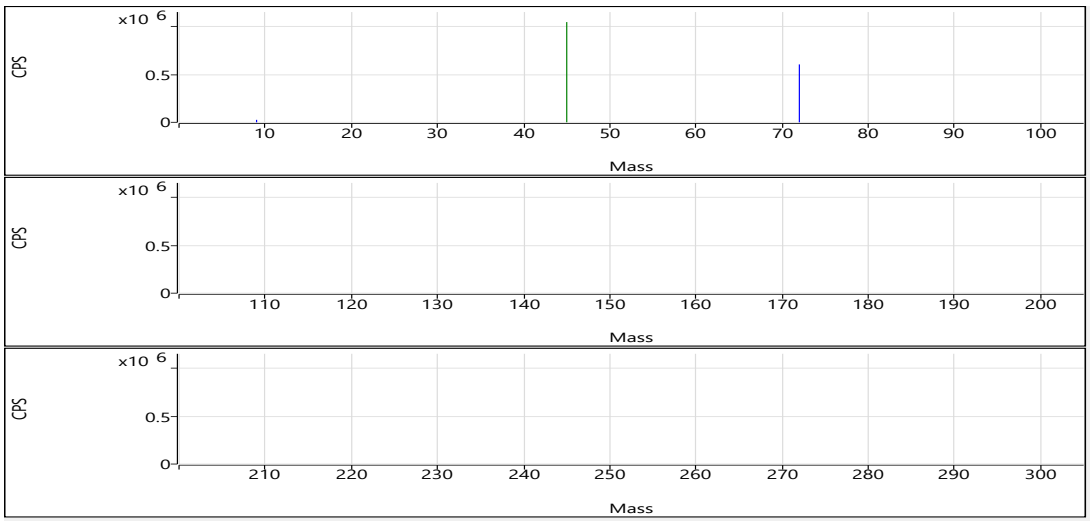
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.562	ug/L	0.9	25656.01	0.0245	Pulse	0.5000	3
Se	78	72	H2	97.690	ppb	1.6	2543.79	0.0590	Pulse	1.5000	3
Na	23	72	He	4839.152	ug/L	3.2	224660.80	9.0055	Pulse	0.1000	3
Mg	24	72	He	4778.803	ug/L	3.4	111142.81	4.4554	Pulse	0.1000	3
Al	27	72	He	4834.258	ug/L	1.6	30743.83	1.2320	Pulse	0.1000	3
K	39	72	He	4846.503	ppb	2.9	65806.72	2.6373	Pulse	0.1000	3
Ca	44	72	He	4850.911	ppb	5.6	4237.46	0.1700	Pulse	0.1000	3
Ti	47	159	He	488.512	ppb	3.1	3623.93	0.0205	Pulse	0.1000	3
V	51	72	He	476.512	ppb	2.9	186843.01	7.4895	Pulse	0.5000	3
Cr	52	45	He	492.416	ppb	2.9	261149.74	23.0026	Pulse	0.1000	3
Mn	55	45	He	486.727	ppb	3.1	96729.17	8.5204	Pulse	0.1000	3
Fe	57	72	He	4828.722	ppb	3.4	53452.78	2.1428	Pulse	0.1000	3
Co	59	72	He	463.725	ppb	2.7	592446.08	23.7467	Pulse	0.1000	3
Ni	60	72	He	486.251	ppb	3.3	177301.97	7.1076	Pulse	0.1000	3
Cu	63	72	He	486.003	ppb	3.0	525029.21	21.0460	Pulse	0.1000	3
Zn	66	72	He	488.559	ppb	1.9	47327.78	1.8967	Pulse	0.1000	3
As	75	45	He	497.614	ppb	1.4	28474.47	2.5073	Pulse	0.5000	3
Sr	88	159	He	48.740	ppb	5.3	12125.79	0.0686	Pulse	0.1000	3
Mo	98	159	He	48.174	ppb	3.3	44620.39	0.2524	Pulse	0.1000	3
Ag	107	159	He	49.336	ppb	2.4	108680.03	0.6147	Pulse	0.1000	3
Cd	111	159	He	49.600	ppb	1.1	10483.43	0.0593	Pulse	0.5000	3
Sn	120	159	He	94.429	ppb	2.7	55367.96	0.3132	Pulse	0.1000	3
Sb	121	159	He	95.673	ppb	3.1	43601.19	0.2466	Pulse	0.1000	3
Ba	137	159	He	492.109	ppb	3.7	78246.84	0.4426	Pulse	0.1000	3
Tl	205	159	He	97.386	ppb	0.7	545290.00	3.0834	Pulse	0.1000	3
Pb	208	159	He	49.429	ppb	0.6	192898.21	1.0908	Pulse	0.1000	3
U	238	209	He	48.972	ppb	1.5	442345.13	3.2548	Pulse	0.1000	3

ISTD Table:

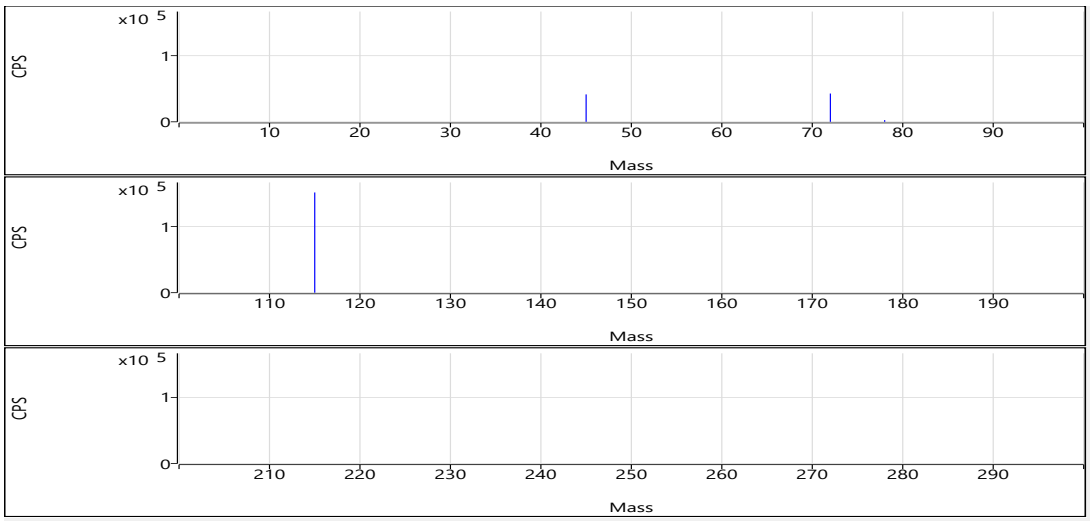
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1047771.34	0.7	100.2	Analog	0.1000	3
No Gas	Ge	72	605116.97	0.7	100.6	Pulse	0.1000	3
H2	Sc	45	41775.97	1.3	98.8	Pulse	0.1000	3
H2	Ge	72	43091.05	0.3	98.2	Pulse	0.1000	3
H2	In	115	152728.91	1.5	101.3	Pulse	0.1000	3
He	Sc	45	11358.31	2.4	99.4	Pulse	0.1000	3
He	Ge	72	24963.14	3.3	98.5	Pulse	0.1000	3
He	In	115	26970.94	2.6	98.8	Pulse	0.1000	3
He	Tb	159	176841.09	1.6	100.3	Pulse	0.1000	3
He	Bi	209	135925.91	2.4	100.8	Pulse	0.1000	3

No Gas

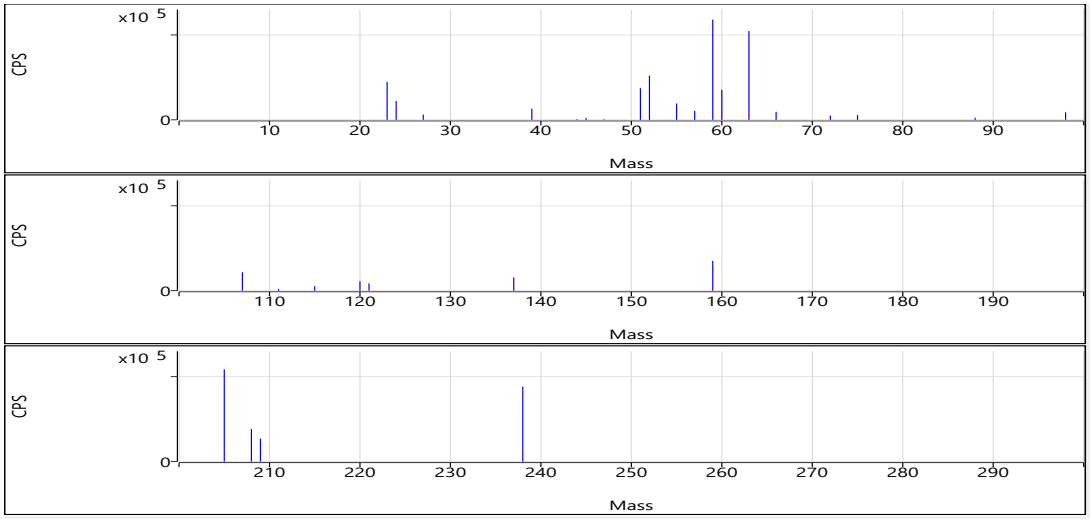


H2



Quantitation Report

He



Quantitation Report

Data File Name	105SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:22:45 PM
Sample Name	LCS 410-684038/2-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

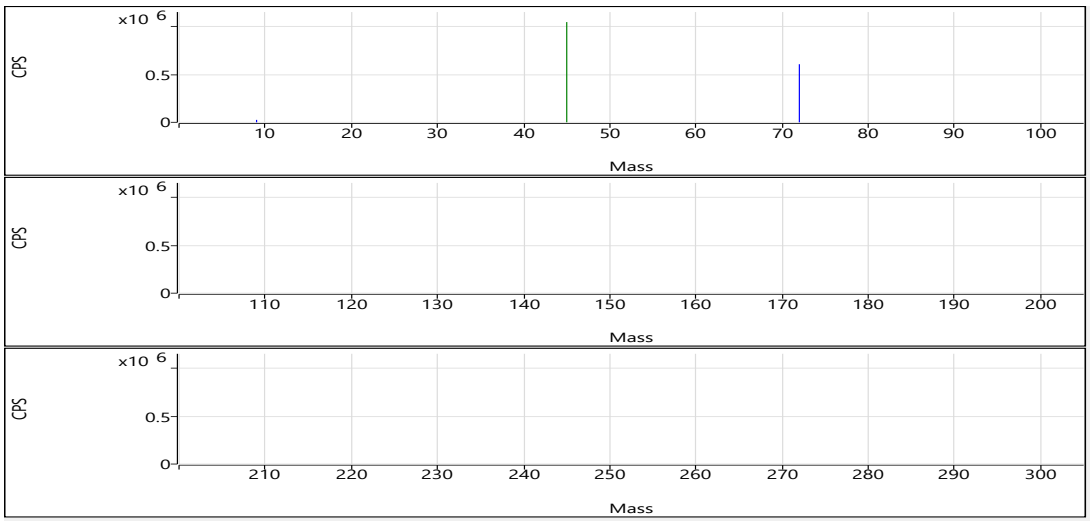
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.862	ug/L	0.7	25243.96	0.0241	Pulse	0.5000	3
Se	78	72	H2	95.990	ppb	1.3	2563.80	0.0580	Pulse	1.5000	3
Na	23	72	He	4771.298	ug/L	0.8	226146.38	8.8824	Pulse	0.1000	3
Mg	24	72	He	4656.071	ug/L	0.9	110523.84	4.3411	Pulse	0.1000	3
Al	27	72	He	4718.956	ug/L	0.4	30620.20	1.2026	Pulse	0.1000	3
K	39	72	He	4828.191	ppb	1.1	66901.11	2.6277	Pulse	0.1000	3
Ca	44	72	He	4982.471	ppb	3.4	4444.19	0.1745	Pulse	0.1000	3
Ti	47	159	He	538.596	ppb	5.4	4024.07	0.0226	Pulse	0.1000	3
V	51	72	He	469.090	ppb	0.1	187720.73	7.3729	Pulse	0.5000	3
Cr	52	45	He	471.205	ppb	4.8	260610.24	22.0137	Pulse	0.1000	3
Mn	55	45	He	470.420	ppb	5.5	97464.55	8.2351	Pulse	0.1000	3
Fe	57	72	He	4735.272	ppb	1.2	53506.04	2.1014	Pulse	0.1000	3
Co	59	72	He	455.149	ppb	0.6	593424.69	23.3076	Pulse	0.1000	3
Ni	60	72	He	475.470	ppb	0.7	176949.80	6.9502	Pulse	0.1000	3
Cu	63	72	He	476.939	ppb	0.3	525860.70	20.6536	Pulse	0.1000	3
Zn	66	72	He	469.779	ppb	1.9	46431.42	1.8238	Pulse	0.1000	3
As	75	45	He	483.228	ppb	4.6	28824.54	2.4348	Pulse	0.5000	3
Sr	88	159	He	48.032	ppb	0.9	12049.02	0.0676	Pulse	0.1000	3
Mo	98	159	He	48.182	ppb	0.8	44984.91	0.2524	Pulse	0.1000	3
Ag	107	159	He	49.482	ppb	0.9	109858.58	0.6165	Pulse	0.1000	3
Cd	111	159	He	49.383	ppb	0.5	10516.79	0.0590	Pulse	0.5000	3
Sn	120	159	He	95.105	ppb	1.1	56194.57	0.3153	Pulse	0.1000	3
Sb	121	159	He	96.806	ppb	2.7	44470.88	0.2496	Pulse	0.1000	3
Ba	137	159	He	487.455	ppb	1.2	78139.21	0.4385	Pulse	0.1000	3
Tl	205	159	He	97.319	ppb	1.2	549082.91	3.0813	Pulse	0.1000	3
Pb	208	159	He	49.355	ppb	2.3	194078.82	1.0891	Pulse	0.1000	3
U	238	209	He	48.713	ppb	1.7	444273.34	3.2375	Pulse	0.1000	3

ISTD Table:

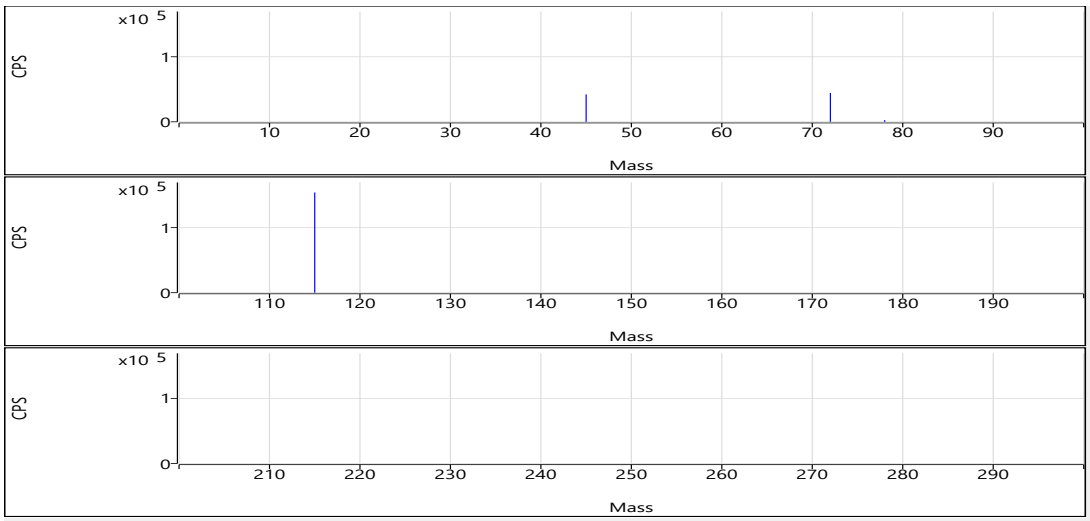
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1046002.33	0.6	100.1	Analog	0.1000	3
No Gas	Ge	72	606061.64	0.9	100.8	Pulse	0.1000	3
H2	Sc	45	41966.42	0.6	99.3	Pulse	0.1000	3
H2	Ge	72	44201.15	1.1	100.8	Pulse	0.1000	3
H2	In	115	153346.58	1.2	101.8	Pulse	0.1000	3
He	Sc	45	11852.02	4.0	103.8	Pulse	0.1000	3
He	Ge	72	25460.60	0.9	100.5	Pulse	0.1000	3
He	In	115	28093.33	1.4	102.9	Pulse	0.1000	3
He	Tb	159	178198.44	0.1	101.0	Pulse	0.1000	3
He	Bi	209	137227.20	0.5	101.8	Pulse	0.1000	3

No Gas

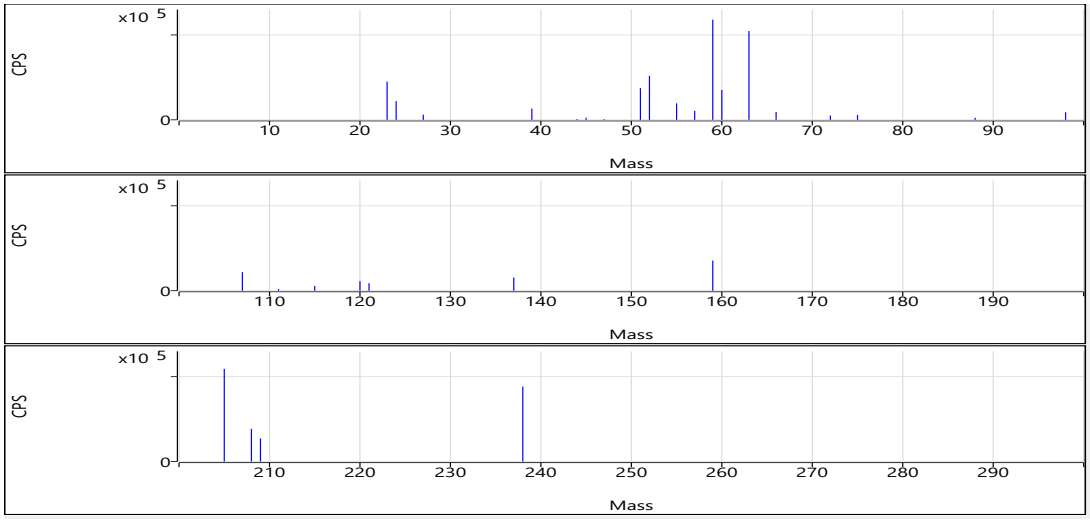


H2



Quantitation Report

He



Quantitation Report

Data File Name	109_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:30:47 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

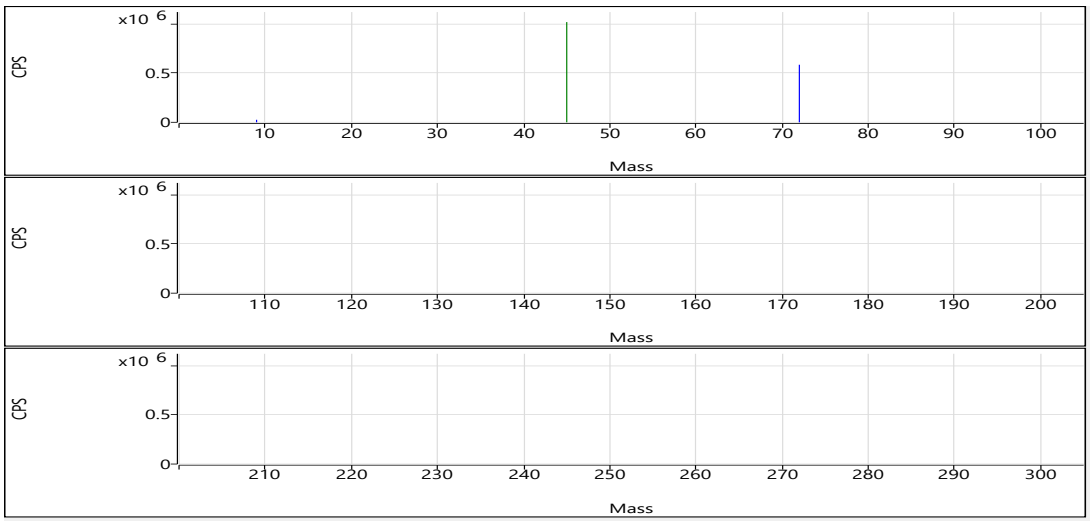
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.642	ug/L	0.3	25461.62	0.0250	Pulse	0.5000	3
Se	78	72	H2	51.398	ppb	1.3	1324.73	0.0311	Pulse	1.5000	3
Na	23	72	He	4882.852	ug/L	1.0	224588.99	9.0848	Pulse	0.1000	3
Mg	24	72	He	4869.306	ug/L	1.5	112223.24	4.5397	Pulse	0.1000	3
Al	27	72	He	4938.091	ug/L	1.8	31108.07	1.2584	Pulse	0.1000	3
K	39	72	He	4873.823	ppb	1.8	65555.41	2.6517	Pulse	0.1000	3
Ca	44	72	He	4868.443	ppb	3.1	4217.47	0.1706	Pulse	0.1000	3
Ti	47	159	He	5111.826	ppb	2.6	37597.70	0.2140	Pulse	0.1000	3
V	51	72	He	489.026	ppb	1.8	190001.57	7.6861	Pulse	0.5000	3
Cr	52	45	He	500.211	ppb	3.6	264137.38	23.3661	Pulse	0.1000	3
Mn	55	45	He	501.735	ppb	3.6	99286.78	8.7829	Pulse	0.1000	3
Fe	57	72	He	4876.344	ppb	2.8	53489.37	2.1639	Pulse	0.1000	3
Co	59	72	He	472.972	ppb	1.5	598740.84	24.2201	Pulse	0.1000	3
Ni	60	72	He	496.350	ppb	0.8	179357.02	7.2551	Pulse	0.1000	3
Cu	63	72	He	491.815	ppb	1.5	526490.97	21.2976	Pulse	0.1000	3
Zn	66	72	He	483.457	ppb	2.6	46394.75	1.8769	Pulse	0.1000	3
As	75	45	He	500.507	ppb	4.0	28505.19	2.5219	Pulse	0.5000	3
Sr	88	159	He	50.103	ppb	3.2	12376.01	0.0704	Pulse	0.1000	3
Mo	98	159	He	49.610	ppb	2.7	45663.75	0.2599	Pulse	0.1000	3
Ag	107	159	He	49.684	ppb	1.4	108753.62	0.6190	Pulse	0.1000	3
Cd	111	159	He	49.733	ppb	0.7	10442.73	0.0594	Pulse	0.5000	3
Sn	120	159	He	48.967	ppb	1.4	29432.93	0.1675	Pulse	0.1000	3
Sb	121	159	He	49.810	ppb	2.2	22566.39	0.1284	Pulse	0.1000	3
Ba	137	159	He	491.702	ppb	1.3	77703.59	0.4423	Pulse	0.1000	3
Tl	205	159	He	50.195	ppb	1.6	279364.58	1.5899	Pulse	0.1000	3
Pb	208	159	He	50.026	ppb	1.5	193968.86	1.1039	Pulse	0.1000	3
U	238	209	He	49.783	ppb	0.7	448519.20	3.3086	Pulse	0.1000	3

ISTD Table:

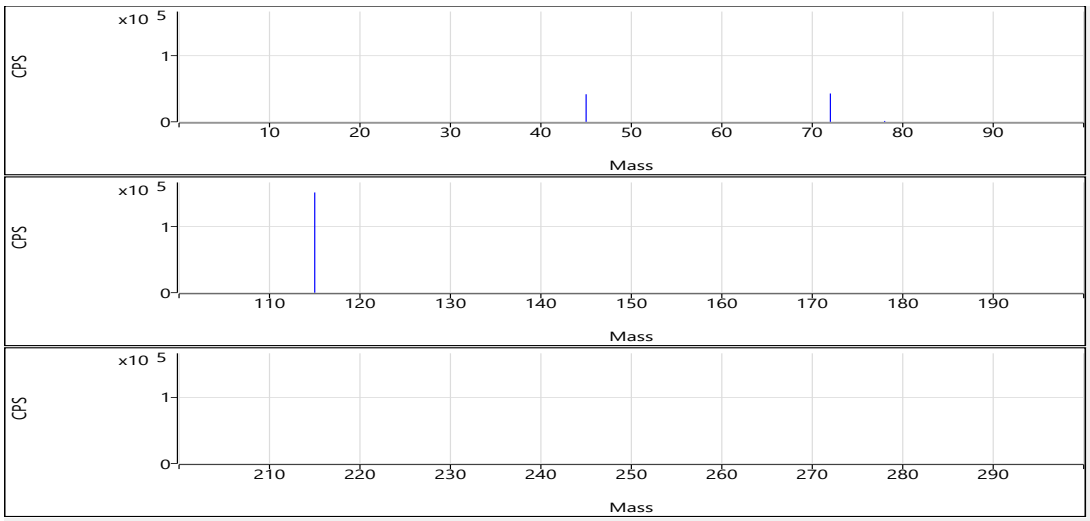
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1017200.61	0.2	97.3	Analog	0.1000	3
No Gas	Ge	72	584121.58	0.1	97.1	Pulse	0.1000	3
H2	Sc	45	41475.07	2.1	98.1	Pulse	0.1000	3
H2	Ge	72	42623.19	1.7	97.2	Pulse	0.1000	3
H2	In	115	150846.16	1.5	100.1	Pulse	0.1000	3
He	Sc	45	11311.57	2.8	99.0	Pulse	0.1000	3
He	Ge	72	24722.70	0.9	97.6	Pulse	0.1000	3
He	In	115	26920.95	1.8	98.6	Pulse	0.1000	3
He	Tb	159	175698.78	0.5	99.6	Pulse	0.1000	3
He	Bi	209	135558.92	1.1	100.5	Pulse	0.1000	3

No Gas

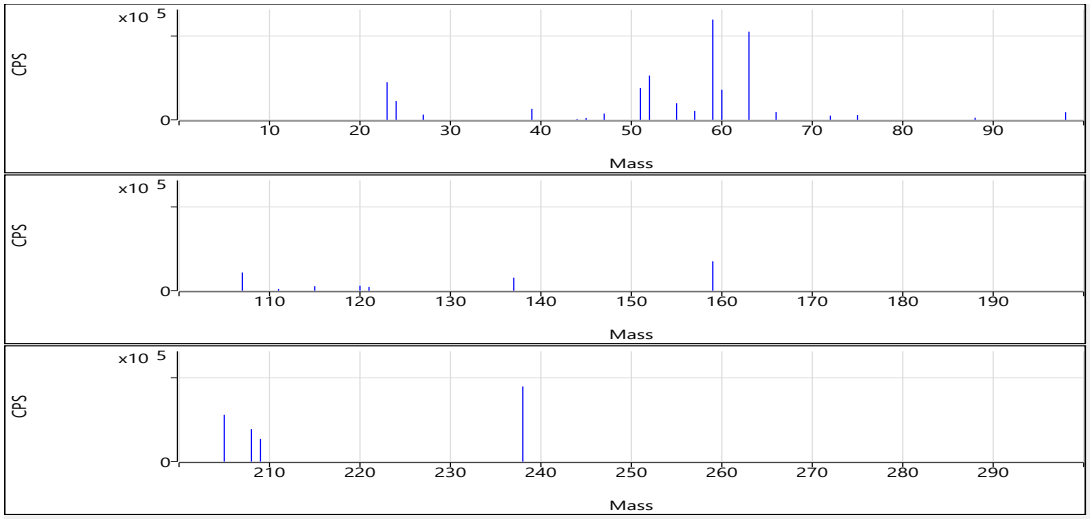


H2



Quantitation Report

He



Quantitation Report

Data File Name	111_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:34:47 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

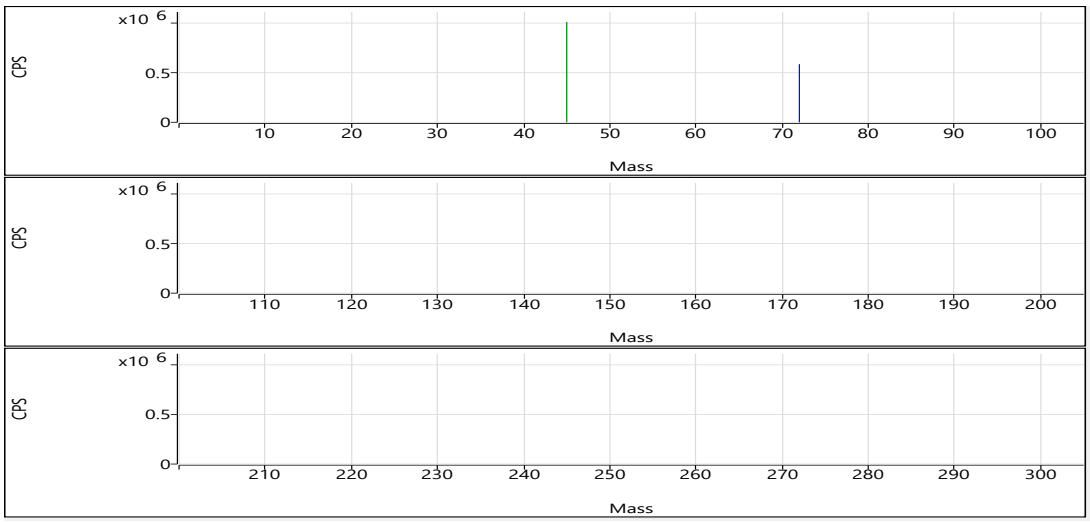
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ug/L	124.8	28.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.058	ppb	N/A	0.67	0.0000	Pulse	1.5000	3
Na	23	72	He	-11.506	ug/L	N/A	4971.04	0.2024	Pulse	0.1000	3
Mg	24	72	He	1.391	ug/L	57.4	186.68	0.0076	Pulse	0.1000	3
Al	27	72	He	1.872	ug/L	189.1	56.67	0.0023	Pulse	0.1000	3
K	39	72	He	2.920	ppb	134.8	2000.22	0.0814	Pulse	0.1000	3
Ca	44	72	He	39.532	ppb	101.2	56.67	0.0023	Pulse	0.1000	3
Ti	47	159	He	0.466	ppb	508.9	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.089	ppb	22.9	147.33	0.0060	Pulse	0.5000	3
Cr	52	45	He	-0.226	ppb	N/A	386.69	0.0337	Pulse	0.1000	3
Mn	55	45	He	-0.062	ppb	N/A	40.00	0.0035	Pulse	0.1000	3
Fe	57	72	He	4.855	ppb	16.2	140.01	0.0057	Pulse	0.1000	3
Co	59	72	He	0.000	ppb	10070.3	106.67	0.0044	Pulse	0.1000	3
Ni	60	72	He	0.051	ppb	222.5	166.67	0.0068	Pulse	0.1000	3
Cu	63	72	He	0.026	ppb	241.2	156.67	0.0064	Pulse	0.1000	3
Zn	66	72	He	-0.157	ppb	N/A	33.33	0.0014	Pulse	0.1000	3
As	75	45	He	-0.009	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	0.030	ppb	1707.6	363.35	0.0021	Pulse	0.1000	3
Mo	98	159	He	0.029	ppb	78.2	86.67	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.011	ppb	108.4	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.135	ppb	N/A	1790.19	0.0102	Pulse	0.1000	3
Sb	121	159	He	0.015	ppb	4.7	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.997	ppb	N/A	693.38	0.0040	Pulse	0.1000	3
Tl	205	159	He	0.000	ppb	698.7	243.35	0.0014	Pulse	0.1000	3
Pb	208	159	He	-0.006	ppb	N/A	136.67	0.0008	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	166.68	0.0012	Pulse	0.1000	3

ISTD Table:

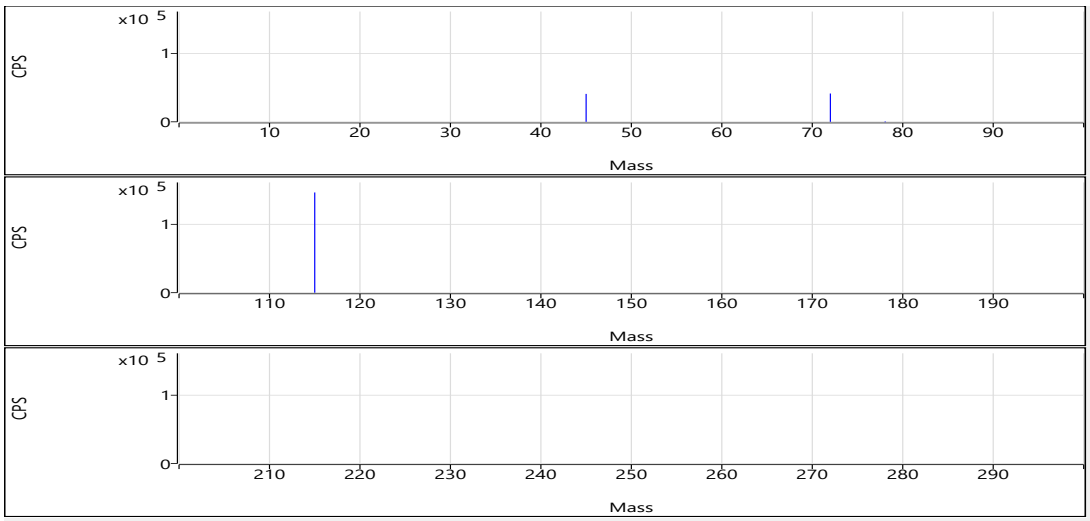
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1009569.62	1.0	96.6	Analog	0.1000	3
No Gas	Ge	72	585571.92	1.5	97.4	Pulse	0.1000	3
H2	Sc	45	41157.55	2.3	97.4	Pulse	0.1000	3
H2	Ge	72	41720.00	1.5	95.1	Pulse	0.1000	3
H2	In	115	147771.48	2.0	98.1	Pulse	0.1000	3
He	Sc	45	11444.97	1.3	100.2	Pulse	0.1000	3
He	Ge	72	24552.46	2.2	96.9	Pulse	0.1000	3
He	In	115	26289.61	2.8	96.3	Pulse	0.1000	3
He	Tb	159	175457.28	1.6	99.5	Pulse	0.1000	3
He	Bi	209	134967.50	0.9	100.1	Pulse	0.1000	3

No Gas

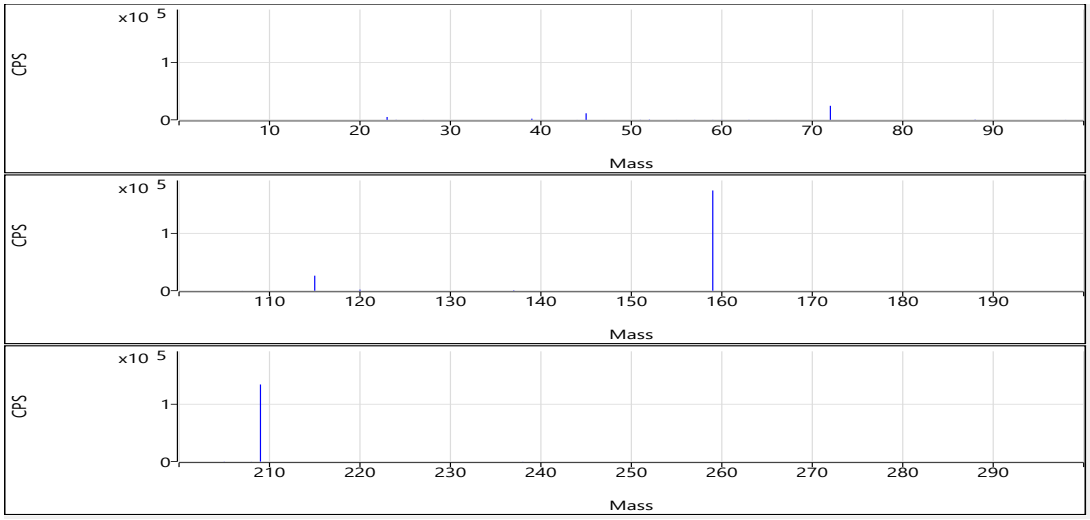


H2



Quantitation Report

He



Quantitation Report

Data File Name	112SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:36:48 PM
Sample Name	LCS 410-683864/2-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

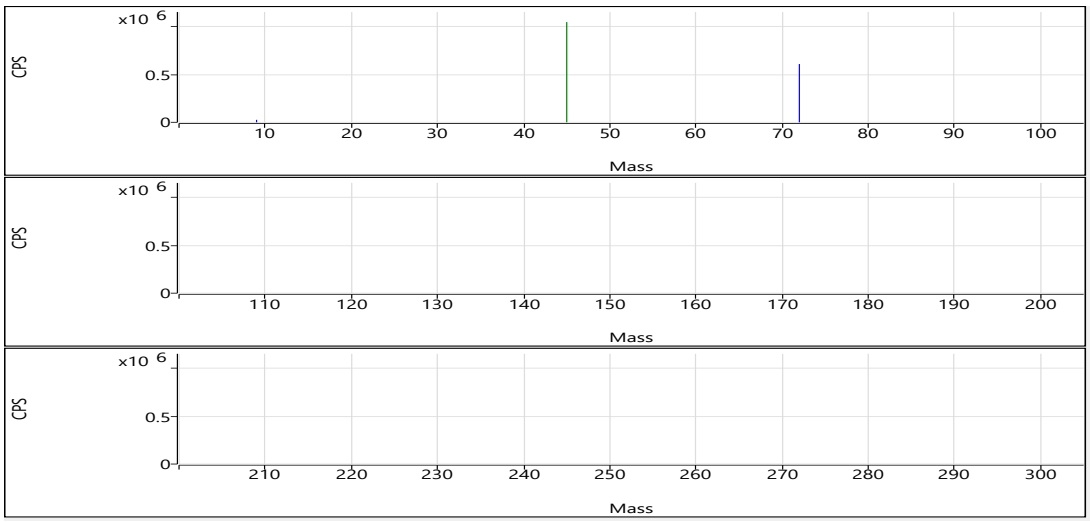
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.468	ug/L	1.9	25621.27	0.0244	Pulse	0.5000	3
Se	78	72	H2	98.858	ppb	2.2	2606.47	0.0597	Pulse	1.5000	3
Na	23	72	He	4789.498	ug/L	0.8	226901.02	8.9154	Pulse	0.1000	3
Mg	24	72	He	4703.058	ug/L	0.6	111596.07	4.3849	Pulse	0.1000	3
Al	27	72	He	4693.739	ug/L	2.0	30443.13	1.1962	Pulse	0.1000	3
K	39	72	He	4792.682	ppb	0.5	66398.92	2.6089	Pulse	0.1000	3
Ca	44	72	He	4710.804	ppb	5.5	4200.78	0.1651	Pulse	0.1000	3
Ti	47	159	He	504.783	ppb	3.3	3783.97	0.0212	Pulse	0.1000	3
V	51	72	He	471.092	ppb	0.0	188446.59	7.4044	Pulse	0.5000	3
Cr	52	45	He	472.272	ppb	4.5	262646.98	22.0635	Pulse	0.1000	3
Mn	55	45	He	470.987	ppb	3.5	98182.36	8.2450	Pulse	0.1000	3
Fe	57	72	He	4728.936	ppb	1.4	53409.24	2.0986	Pulse	0.1000	3
Co	59	72	He	460.065	ppb	0.5	599590.98	23.5593	Pulse	0.1000	3
Ni	60	72	He	478.870	ppb	0.4	178151.59	6.9998	Pulse	0.1000	3
Cu	63	72	He	477.848	ppb	0.6	526647.61	20.6929	Pulse	0.1000	3
Zn	66	72	He	482.044	ppb	1.8	47629.12	1.8714	Pulse	0.1000	3
As	75	45	He	484.570	ppb	3.4	29075.68	2.4416	Pulse	0.5000	3
Sr	88	159	He	50.076	ppb	3.6	12576.22	0.0704	Pulse	0.1000	3
Mo	98	159	He	48.617	ppb	2.6	45500.16	0.2547	Pulse	0.1000	3
Ag	107	159	He	49.158	ppb	3.1	109402.18	0.6125	Pulse	0.1000	3
Cd	111	159	He	49.570	ppb	2.6	10582.17	0.0592	Pulse	0.5000	3
Sn	120	159	He	97.015	ppb	3.8	57426.38	0.3215	Pulse	0.1000	3
Sb	121	159	He	97.527	ppb	1.1	44919.29	0.2514	Pulse	0.1000	3
Ba	137	159	He	490.123	ppb	3.1	78745.80	0.4409	Pulse	0.1000	3
Tl	205	159	He	98.663	ppb	1.1	558115.08	3.1238	Pulse	0.1000	3
Pb	208	159	He	49.607	ppb	1.8	195562.45	1.0947	Pulse	0.1000	3
U	238	209	He	48.671	ppb	0.8	448833.56	3.2347	Pulse	0.1000	3

ISTD Table:

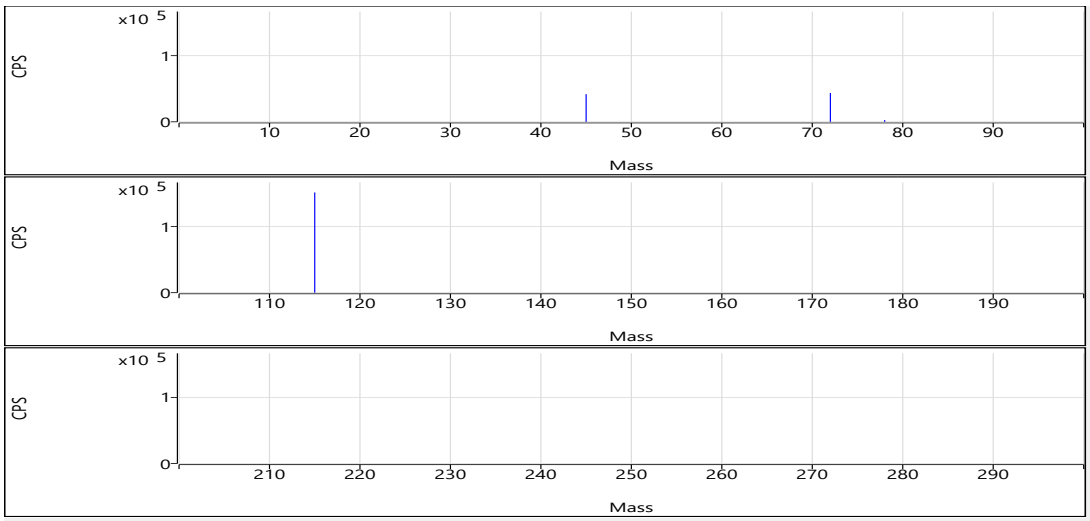
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1048376.57	0.3	100.3	Analog	0.1000	3
No Gas	Ge	72	609339.11	0.9	101.3	Pulse	0.1000	3
H2	Sc	45	41772.56	0.9	98.8	Pulse	0.1000	3
H2	Ge	72	43639.38	1.5	99.5	Pulse	0.1000	3
H2	In	115	151562.96	0.5	100.6	Pulse	0.1000	3
He	Sc	45	11922.12	5.1	104.4	Pulse	0.1000	3
He	Ge	72	25450.63	0.4	100.5	Pulse	0.1000	3
He	In	115	27495.55	1.0	100.7	Pulse	0.1000	3
He	Tb	159	178691.61	2.1	101.3	Pulse	0.1000	3
He	Bi	209	138760.23	1.9	102.9	Pulse	0.1000	3

No Gas

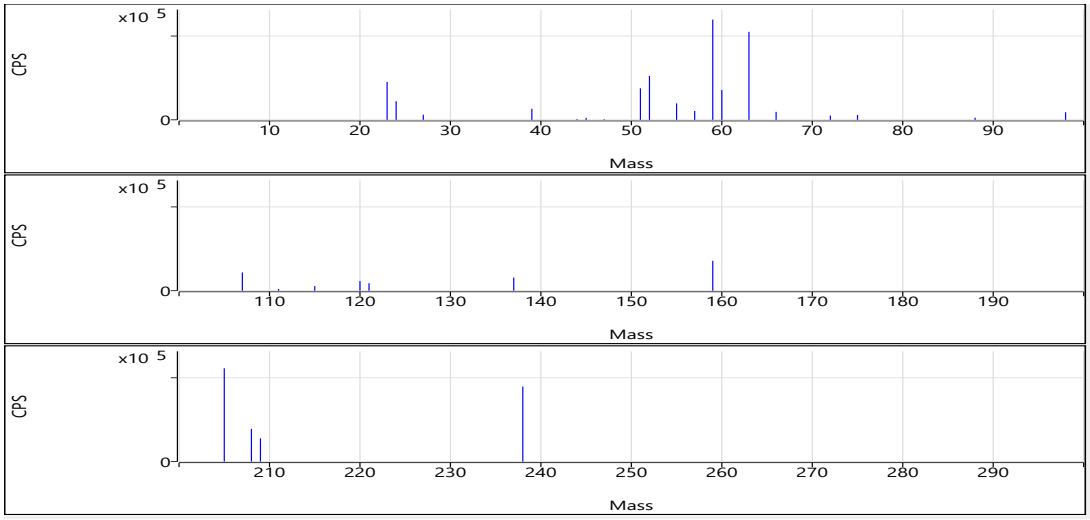


H2



Quantitation Report

He



Quantitation Report

Data File Name	114_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:43:07 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

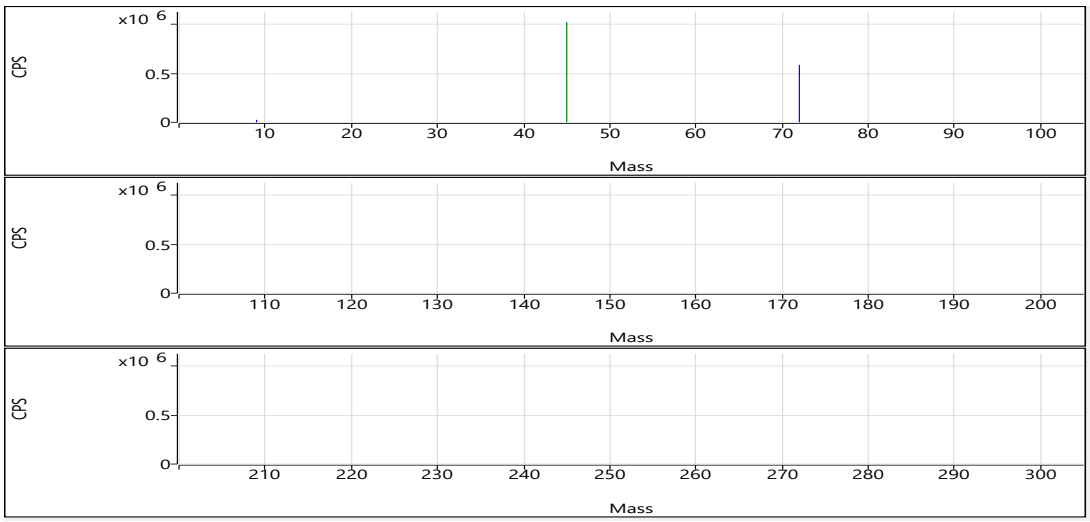
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.765	ug/L	1.8	25145.79	0.0246	Pulse	0.5000	3
Se	78	72	H2	50.964	ppb	3.3	1293.84	0.0308	Pulse	1.5000	3
Na	23	72	He	4910.285	ug/L	2.2	225017.55	9.1346	Pulse	0.1000	3
Mg	24	72	He	4931.959	ug/L	1.8	113269.10	4.5980	Pulse	0.1000	3
Al	27	72	He	4935.443	ug/L	2.0	30984.46	1.2577	Pulse	0.1000	3
K	39	72	He	4914.707	ppb	1.7	65863.49	2.6733	Pulse	0.1000	3
Ca	44	72	He	5117.377	ppb	16.2	4404.19	0.1792	Pulse	0.1000	3
Ti	47	159	He	5012.280	ppb	6.6	37086.36	0.2098	Pulse	0.1000	3
V	51	72	He	490.877	ppb	2.5	190037.55	7.7152	Pulse	0.5000	3
Cr	52	45	He	503.508	ppb	3.0	265140.96	23.5198	Pulse	0.1000	3
Mn	55	45	He	503.293	ppb	4.1	99286.55	8.8102	Pulse	0.1000	3
Fe	57	72	He	4895.467	ppb	2.5	53509.42	2.1724	Pulse	0.1000	3
Co	59	72	He	476.602	ppb	3.3	601074.66	24.4060	Pulse	0.1000	3
Ni	60	72	He	497.374	ppb	3.4	179043.01	7.2700	Pulse	0.1000	3
Cu	63	72	He	495.617	ppb	3.2	528585.60	21.4622	Pulse	0.1000	3
Zn	66	72	He	486.244	ppb	1.5	46505.04	1.8877	Pulse	0.1000	3
As	75	45	He	508.553	ppb	4.3	28875.28	2.5624	Pulse	0.5000	3
Sr	88	159	He	48.856	ppb	8.6	12145.80	0.0687	Pulse	0.1000	3
Mo	98	159	He	50.033	ppb	2.4	46359.67	0.2621	Pulse	0.1000	3
Ag	107	159	He	49.543	ppb	2.1	109173.22	0.6173	Pulse	0.1000	3
Cd	111	159	He	50.599	ppb	2.6	10694.26	0.0605	Pulse	0.5000	3
Sn	120	159	He	47.643	ppb	1.0	28888.37	0.1633	Pulse	0.1000	3
Sb	121	159	He	49.972	ppb	2.8	22793.41	0.1289	Pulse	0.1000	3
Ba	137	159	He	501.024	ppb	1.6	79698.64	0.4506	Pulse	0.1000	3
Tl	205	159	He	50.461	ppb	0.4	282775.62	1.5984	Pulse	0.1000	3
Pb	208	159	He	50.151	ppb	0.2	195795.16	1.1067	Pulse	0.1000	3
U	238	209	He	48.774	ppb	2.0	451142.86	3.2416	Pulse	0.1000	3

ISTD Table:

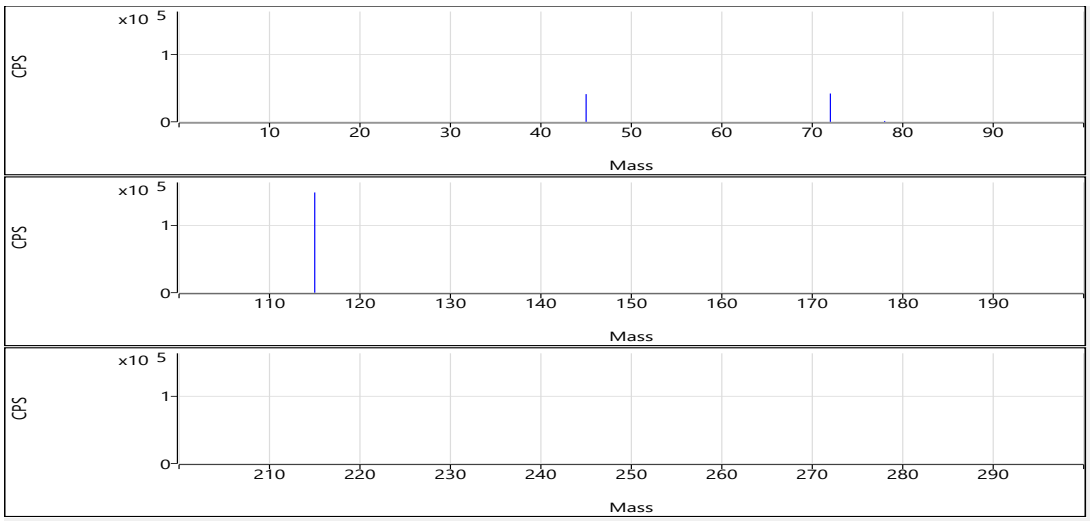
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1022614.18	0.2	97.8	Analog	0.1000	3
No Gas	Ge	72	585824.86	0.6	97.4	Pulse	0.1000	3
H2	Sc	45	41074.08	1.8	97.2	Pulse	0.1000	3
H2	Ge	72	41977.78	1.2	95.7	Pulse	0.1000	3
H2	In	115	148692.57	1.5	98.7	Pulse	0.1000	3
He	Sc	45	11281.57	4.0	98.8	Pulse	0.1000	3
He	Ge	72	24642.57	2.7	97.3	Pulse	0.1000	3
He	In	115	27318.32	2.7	100.1	Pulse	0.1000	3
He	Tb	159	176925.68	2.4	100.3	Pulse	0.1000	3
He	Bi	209	139164.03	1.4	103.2	Pulse	0.1000	3

No Gas

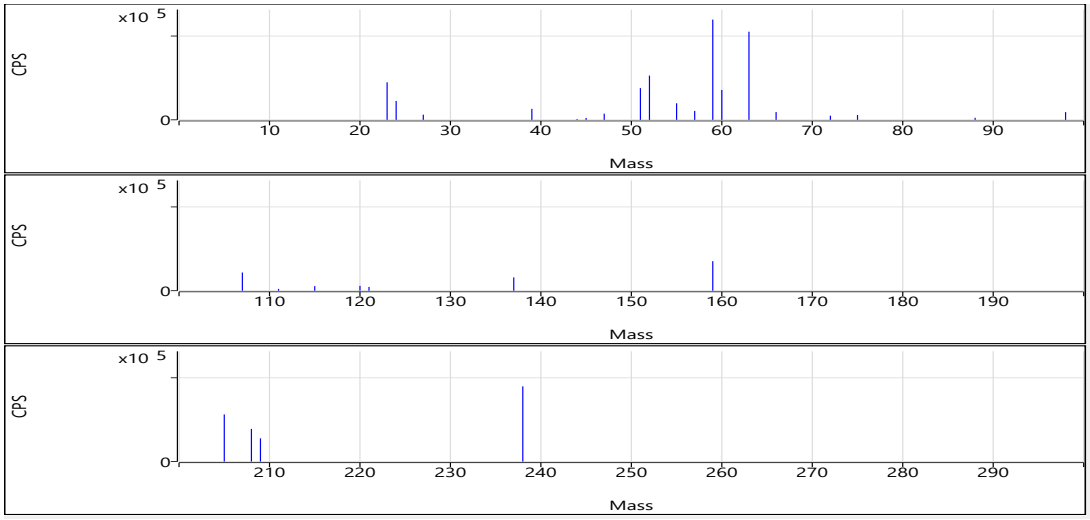


H2



Quantitation Report

He



Quantitation Report

Data File Name	116_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:47:07 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

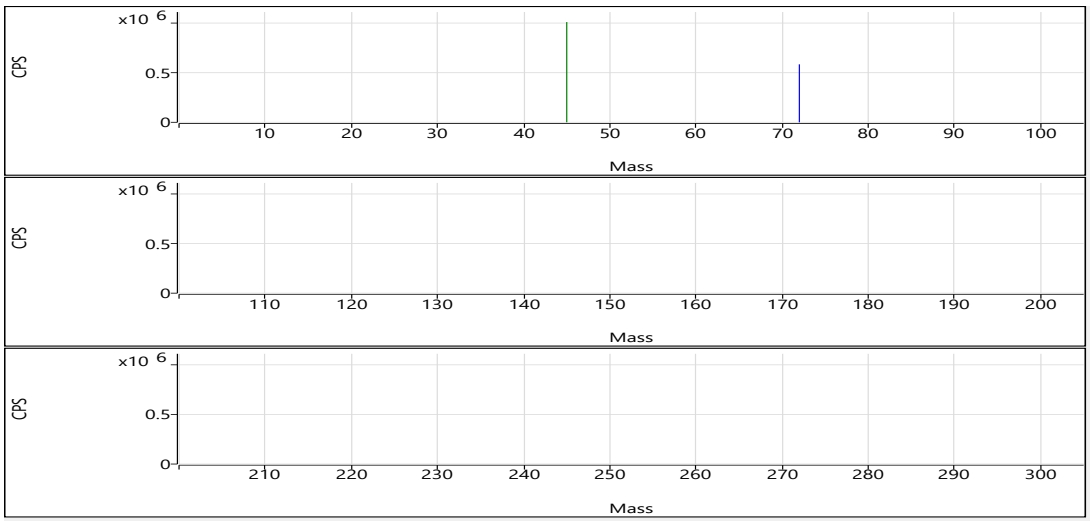
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.011	ug/L	84.9	30.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.033	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	-8.664	ug/L	N/A	5021.08	0.2076	Pulse	0.1000	3
Mg	24	72	He	-1.465	ug/L	N/A	120.01	0.0050	Pulse	0.1000	3
Al	27	72	He	-0.710	ug/L	N/A	40.00	0.0017	Pulse	0.1000	3
K	39	72	He	6.319	ppb	270.8	2013.55	0.0832	Pulse	0.1000	3
Ca	44	72	He	36.713	ppb	34.6	53.33	0.0022	Pulse	0.1000	3
Ti	47	159	He	0.447	ppb	301.2	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.044	ppb	125.0	128.00	0.0053	Pulse	0.5000	3
Cr	52	45	He	-0.134	ppb	N/A	416.69	0.0381	Pulse	0.1000	3
Mn	55	45	He	-0.066	ppb	N/A	36.67	0.0034	Pulse	0.1000	3
Fe	57	72	He	4.434	ppb	44.6	133.34	0.0055	Pulse	0.1000	3
Co	59	72	He	0.007	ppb	315.9	113.34	0.0047	Pulse	0.1000	3
Ni	60	72	He	0.145	ppb	96.1	196.68	0.0082	Pulse	0.1000	3
Cu	63	72	He	0.038	ppb	59.7	166.68	0.0069	Pulse	0.1000	3
Zn	66	72	He	-0.189	ppb	N/A	30.00	0.0012	Pulse	0.1000	3
As	75	45	He	-0.037	ppb	N/A	8.00	0.0007	Pulse	0.5000	3
Sr	88	159	He	-0.246	ppb	N/A	296.68	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	28826.4	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	-0.008	ppb	N/A	13.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	6003.1	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.263	ppb	N/A	1723.51	0.0098	Pulse	0.1000	3
Sb	121	159	He	0.044	ppb	27.5	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.715	ppb	N/A	740.05	0.0042	Pulse	0.1000	3
Tl	205	159	He	0.005	ppb	101.2	270.01	0.0015	Pulse	0.1000	3
Pb	208	159	He	0.005	ppb	466.6	183.34	0.0010	Pulse	0.1000	3
U	238	209	He	0.006	ppb	94.6	226.68	0.0017	Pulse	0.1000	3

ISTD Table:

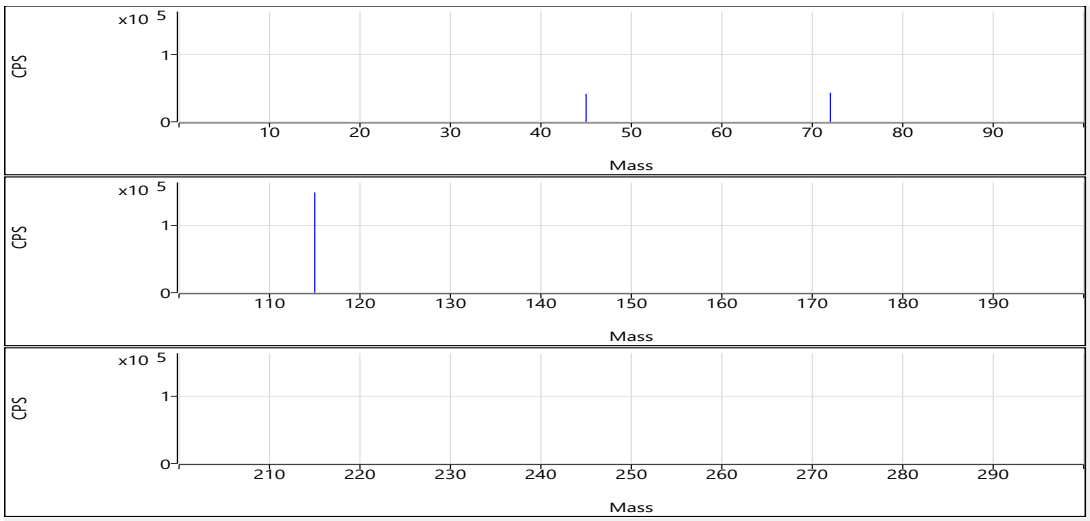
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1010855.66	0.6	96.7	Analog	0.1000	3
No Gas	Ge	72	584667.59	1.1	97.2	Pulse	0.1000	3
H2	Sc	45	41481.88	0.4	98.1	Pulse	0.1000	3
H2	Ge	72	43030.79	3.9	98.1	Pulse	0.1000	3
H2	In	115	148680.05	1.3	98.7	Pulse	0.1000	3
He	Sc	45	10917.88	4.2	95.6	Pulse	0.1000	3
He	Ge	72	24188.44	3.0	95.5	Pulse	0.1000	3
He	In	115	26854.02	0.6	98.4	Pulse	0.1000	3
He	Tb	159	175897.02	0.9	99.7	Pulse	0.1000	3
He	Bi	209	137388.34	2.3	101.9	Pulse	0.1000	3

No Gas

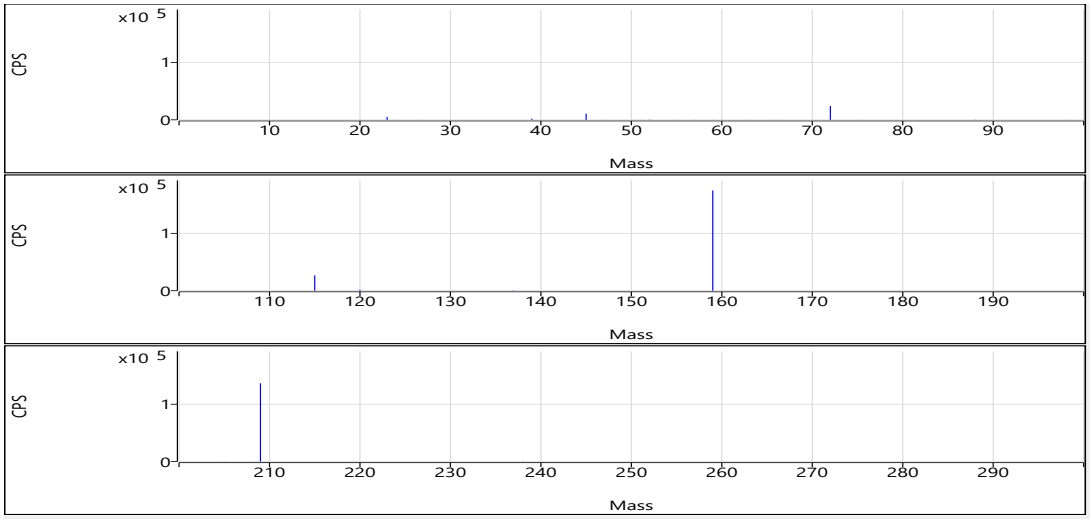


H2



Quantitation Report

He



Quantitation Report

Data File Name	117SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:55:05 PM
Sample Name	410-231908-A-1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

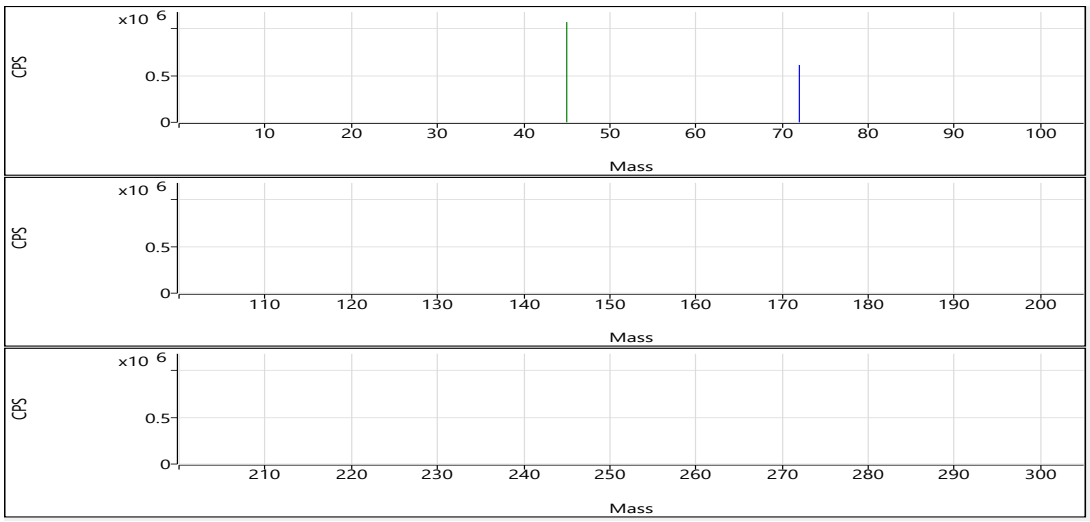
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.002	ug/L	N/A	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.051	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	-10.892	ug/L	N/A	5174.46	0.2036	Pulse	0.1000	3
Mg	24	72	He	-1.443	ug/L	N/A	126.67	0.0050	Pulse	0.1000	3
Al	27	72	He	-1.532	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	0.887	ppb	3299.7	2040.21	0.0804	Pulse	0.1000	3
Ca	44	72	He	11.261	ppb	64.0	33.33	0.0013	Pulse	0.1000	3
Ti	47	159	He	0.825	ppb	240.3	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	-0.033	ppb	N/A	104.00	0.0041	Pulse	0.5000	3
Cr	52	45	He	-0.306	ppb	N/A	346.68	0.0300	Pulse	0.1000	3
Mn	55	45	He	0.054	ppb	464.4	63.34	0.0055	Pulse	0.1000	3
Fe	57	72	He	9.742	ppb	11.1	200.01	0.0079	Pulse	0.1000	3
Co	59	72	He	0.005	ppb	419.6	116.67	0.0046	Pulse	0.1000	3
Ni	60	72	He	-0.021	ppb	N/A	146.67	0.0057	Pulse	0.1000	3
Cu	63	72	He	0.315	ppb	16.1	480.03	0.0189	Pulse	0.1000	3
Zn	66	72	He	0.708	ppb	25.1	120.00	0.0047	Pulse	0.1000	3
As	75	45	He	-0.033	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.488	ppb	N/A	250.01	0.0014	Pulse	0.1000	3
Mo	98	159	He	-0.041	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Ag	107	159	He	-0.005	ppb	N/A	20.00	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.007	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.715	ppb	N/A	1540.14	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.055	ppb	101.5	40.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.872	ppb	N/A	750.05	0.0041	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	163.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.006	ppb	221.5	193.34	0.0010	Pulse	0.1000	3
U	238	209	He	-0.003	ppb	N/A	153.34	0.0011	Pulse	0.1000	3

ISTD Table:

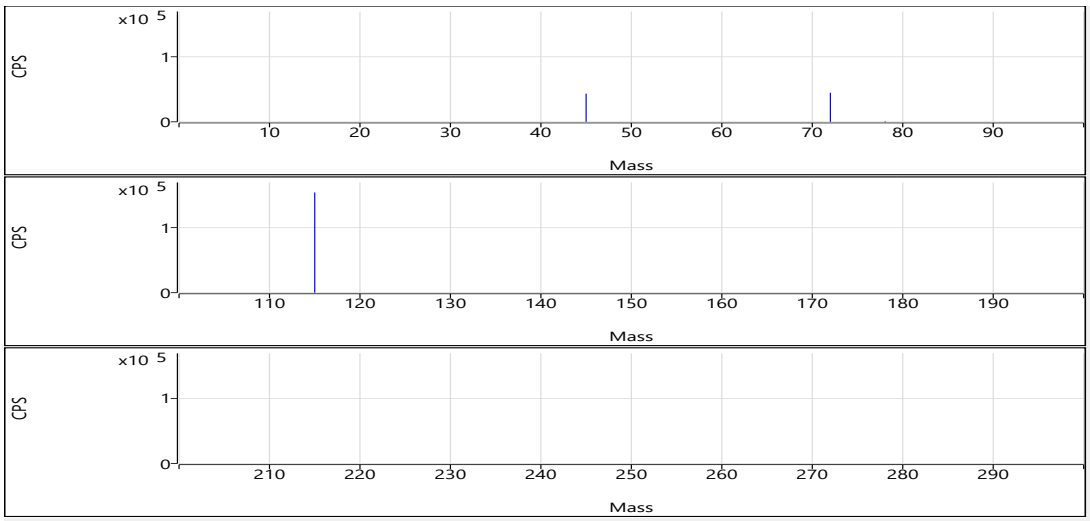
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1070276.55	0.8	102.4	Analog	0.1000	3
No Gas	Ge	72	612206.35	0.3	101.8	Pulse	0.1000	3
H2	Sc	45	43310.61	2.2	102.5	Pulse	0.1000	3
H2	Ge	72	44769.75	1.7	102.1	Pulse	0.1000	3
H2	In	115	154226.08	0.6	102.3	Pulse	0.1000	3
He	Sc	45	11571.79	1.3	101.3	Pulse	0.1000	3
He	Ge	72	25440.72	1.9	100.4	Pulse	0.1000	3
He	In	115	27622.22	1.3	101.2	Pulse	0.1000	3
He	Tb	159	184481.21	0.2	104.6	Pulse	0.1000	3
He	Bi	209	140908.98	2.4	104.5	Pulse	0.1000	3

No Gas

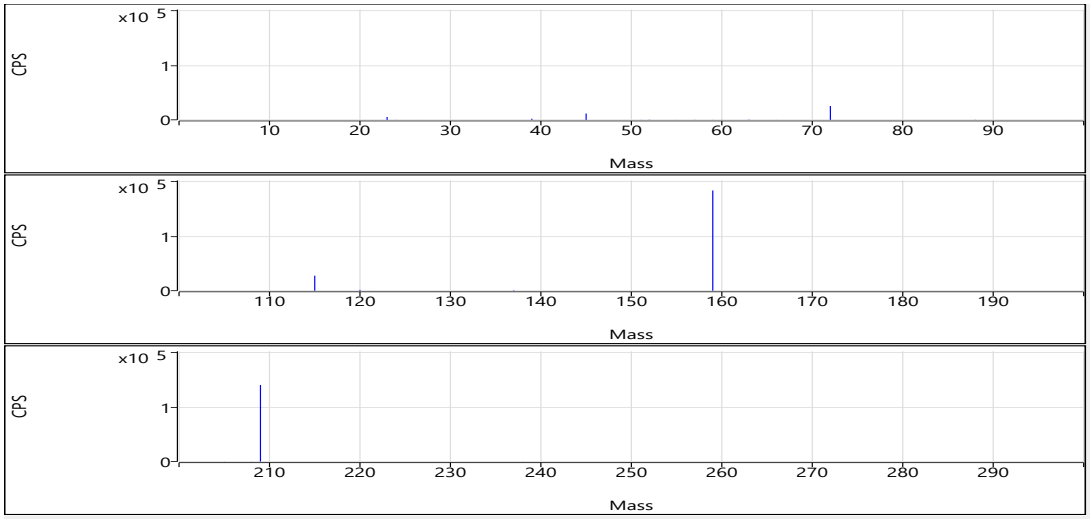


H2



Quantitation Report

He



Quantitation Report

Data File Name	118SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:57:07 PM
Sample Name	410-231908-A-1-B DU
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

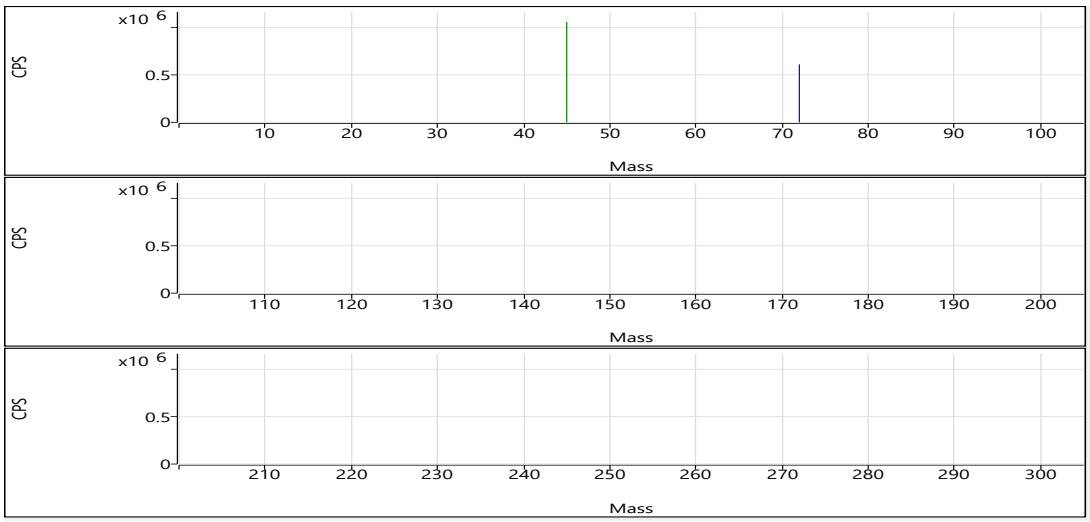
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.052	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	-14.741	ug/L	N/A	4931.02	0.1966	Pulse	0.1000	3
Mg	24	72	He	0.210	ug/L	317.4	163.34	0.0065	Pulse	0.1000	3
Al	27	72	He	-1.505	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	6.434	ppb	214.3	2090.23	0.0833	Pulse	0.1000	3
Ca	44	72	He	-7.410	ppb	N/A	16.67	0.0007	Pulse	0.1000	3
Ti	47	159	He	0.401	ppb	325.5	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.011	ppb	223.5	120.00	0.0048	Pulse	0.5000	3
Cr	52	45	He	-0.162	ppb	N/A	430.02	0.0367	Pulse	0.1000	3
Mn	55	45	He	-0.033	ppb	N/A	46.67	0.0040	Pulse	0.1000	3
Fe	57	72	He	0.692	ppb	162.4	96.67	0.0039	Pulse	0.1000	3
Co	59	72	He	0.001	ppb	2032.0	110.00	0.0044	Pulse	0.1000	3
Ni	60	72	He	0.004	ppb	2008.1	153.34	0.0061	Pulse	0.1000	3
Cu	63	72	He	0.348	ppb	14.1	510.03	0.0203	Pulse	0.1000	3
Zn	66	72	He	0.756	ppb	73.6	123.34	0.0049	Pulse	0.1000	3
As	75	45	He	-0.058	ppb	N/A	7.33	0.0006	Pulse	0.5000	3
Sr	88	159	He	-0.237	ppb	N/A	310.02	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.008	ppb	336.1	70.00	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	170.0	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.009	ppb	61.8	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.852	ppb	N/A	1443.47	0.0079	Pulse	0.1000	3
Sb	121	159	He	0.049	ppb	49.7	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.460	ppb	N/A	646.71	0.0035	Pulse	0.1000	3
Tl	205	159	He	-0.025	ppb	N/A	110.01	0.0006	Pulse	0.1000	3
Pb	208	159	He	-0.001	ppb	N/A	163.34	0.0009	Pulse	0.1000	3
U	238	209	He	-0.002	ppb	N/A	156.67	0.0011	Pulse	0.1000	3

ISTD Table:

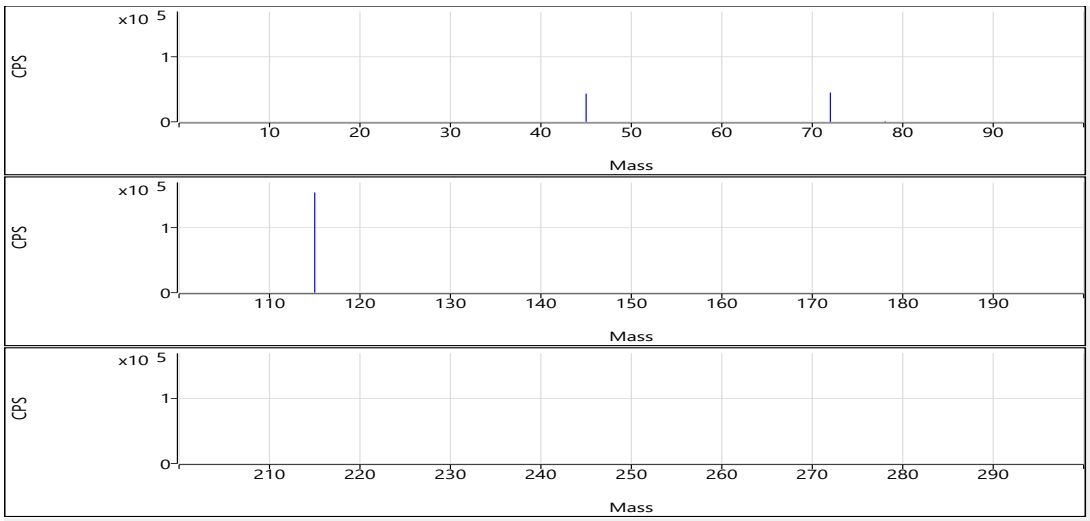
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1062856.47	0.5	101.7	Analog	0.1000	3
No Gas	Ge	72	614218.22	0.7	102.1	Pulse	0.1000	3
H2	Sc	45	43638.08	0.5	103.2	Pulse	0.1000	3
H2	Ge	72	45318.17	0.6	103.3	Pulse	0.1000	3
H2	In	115	155232.62	0.8	103.0	Pulse	0.1000	3
He	Sc	45	11698.59	0.3	102.4	Pulse	0.1000	3
He	Ge	72	25086.71	1.4	99.0	Pulse	0.1000	3
He	In	115	28333.74	0.5	103.8	Pulse	0.1000	3
He	Tb	159	182550.92	0.7	103.5	Pulse	0.1000	3
He	Bi	209	141206.73	1.7	104.7	Pulse	0.1000	3

No Gas

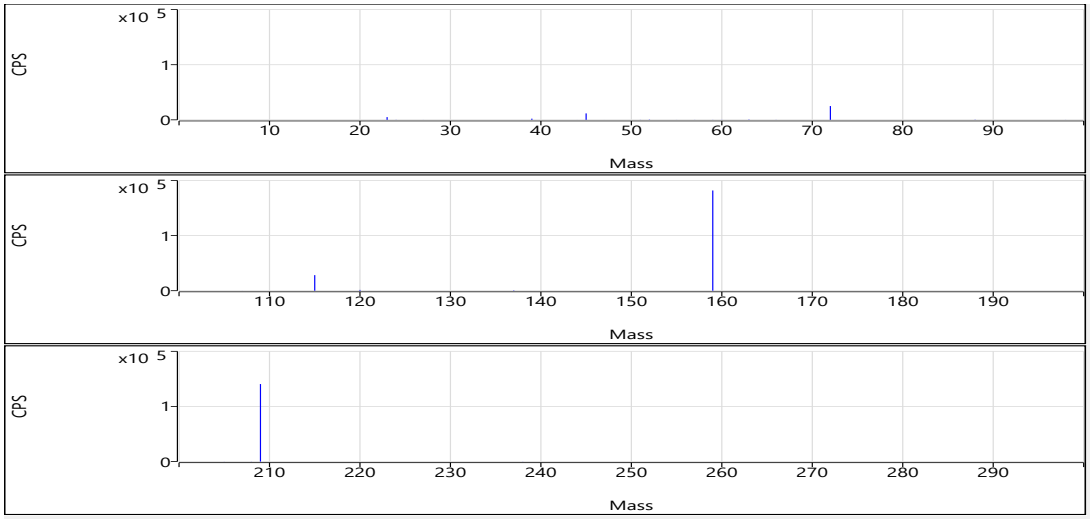


H2



Quantitation Report

He



Quantitation Report

Data File Name	119SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 7:59:08 PM
Sample Name	410-231908-A-1-C MS
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

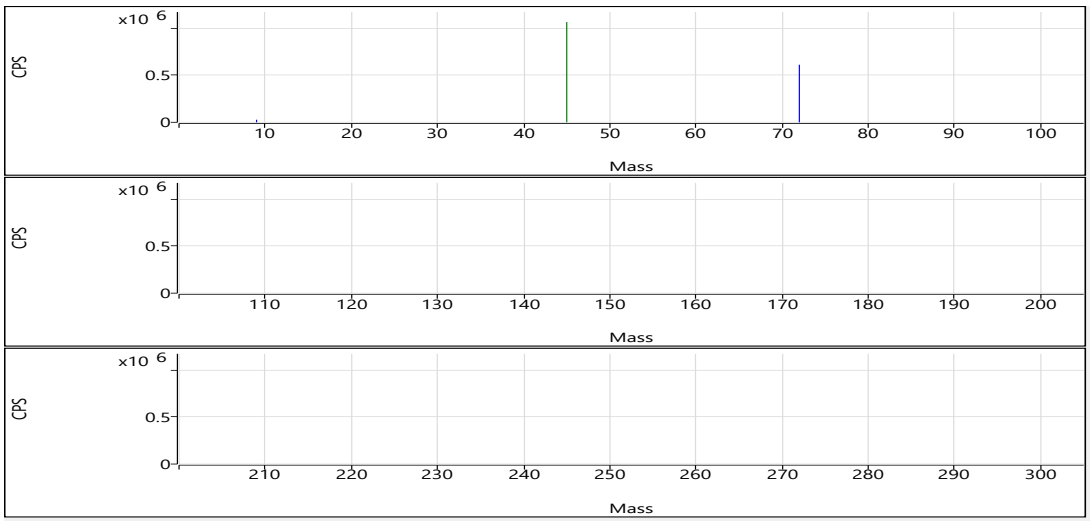
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	50.395	ug/L	3.4	27066.58	0.0254	Pulse	0.5000	3
Se	78	72	H2	99.767	ppb	0.1	2730.94	0.0603	Pulse	1.5000	3
Na	23	72	He	5287.068	ug/L	3.3	246830.40	9.8184	Pulse	0.1000	3
Mg	24	72	He	5150.496	ug/L	3.4	120705.15	4.8014	Pulse	0.1000	3
Al	27	72	He	5198.855	ug/L	1.7	33319.64	1.3248	Pulse	0.1000	3
K	39	72	He	5347.390	ppb	5.0	72921.22	2.9016	Pulse	0.1000	3
Ca	44	72	He	5480.645	ppb	6.4	4821.00	0.1919	Pulse	0.1000	3
Ti	47	159	He	519.479	ppb	4.8	4027.39	0.0218	Pulse	0.1000	3
V	51	72	He	511.931	ppb	3.1	202277.77	8.0459	Pulse	0.5000	3
Cr	52	45	He	506.066	ppb	2.1	284010.34	23.6391	Pulse	0.1000	3
Mn	55	45	He	509.380	ppb	2.4	107126.82	8.9167	Pulse	0.1000	3
Fe	57	72	He	5197.585	ppb	3.5	57974.20	2.3062	Pulse	0.1000	3
Co	59	72	He	502.314	ppb	3.1	646663.21	25.7224	Pulse	0.1000	3
Ni	60	72	He	525.174	ppb	2.8	192988.61	7.6761	Pulse	0.1000	3
Cu	63	72	He	524.099	ppb	2.9	570588.41	22.6953	Pulse	0.1000	3
Zn	66	72	He	524.226	ppb	2.6	51168.28	2.0350	Pulse	0.1000	3
As	75	45	He	505.039	ppb	2.2	30572.23	2.5447	Pulse	0.5000	3
Sr	88	159	He	51.569	ppb	0.9	13393.56	0.0724	Pulse	0.1000	3
Mo	98	159	He	46.935	ppb	1.1	45463.13	0.2459	Pulse	0.1000	3
Ag	107	159	He	48.991	ppb	0.5	112842.96	0.6104	Pulse	0.1000	3
Cd	111	159	He	51.051	ppb	0.3	11279.39	0.0610	Pulse	0.5000	3
Sn	120	159	He	94.166	ppb	2.1	57744.46	0.3123	Pulse	0.1000	3
Sb	121	159	He	90.507	ppb	1.6	43133.67	0.2333	Pulse	0.1000	3
Ba	137	159	He	519.461	ppb	1.0	86333.19	0.4670	Pulse	0.1000	3
Tl	205	159	He	105.170	ppb	1.6	615572.92	3.3298	Pulse	0.1000	3
Pb	208	159	He	52.085	ppb	1.0	212476.45	1.1493	Pulse	0.1000	3
U	238	209	He	50.926	ppb	0.4	477981.92	3.3846	Pulse	0.1000	3

ISTD Table:

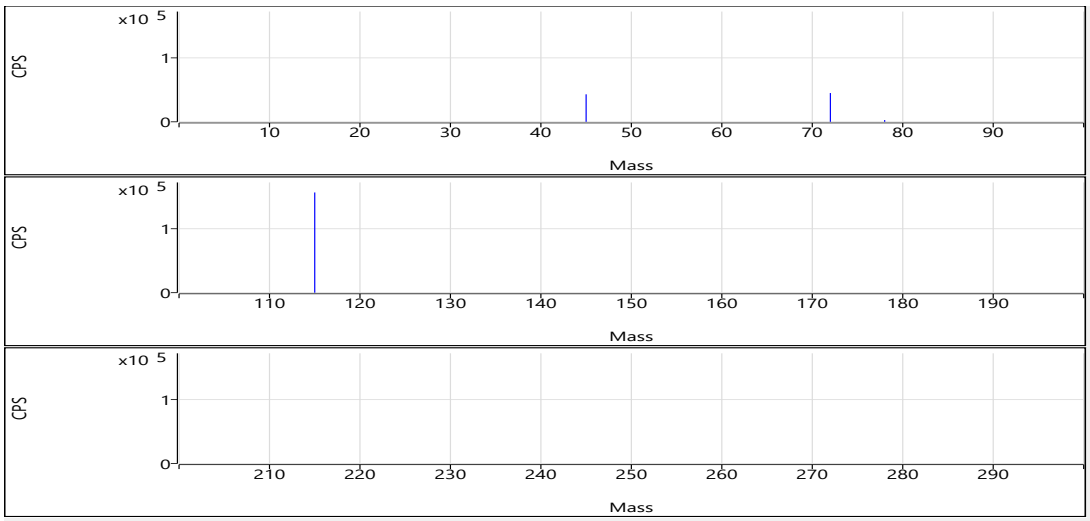
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1065143.81	0.2	101.9	Analog	0.1000	3
No Gas	Ge	72	612063.17	0.4	101.8	Pulse	0.1000	3
H2	Sc	45	43287.13	1.7	102.4	Pulse	0.1000	3
H2	Ge	72	45298.37	1.3	103.3	Pulse	0.1000	3
H2	In	115	157803.60	1.1	104.7	Pulse	0.1000	3
He	Sc	45	12018.82	2.7	105.2	Pulse	0.1000	3
He	Ge	72	25156.98	3.2	99.3	Pulse	0.1000	3
He	In	115	28003.17	4.4	102.6	Pulse	0.1000	3
He	Tb	159	184874.81	0.4	104.8	Pulse	0.1000	3
He	Bi	209	141222.83	1.6	104.7	Pulse	0.1000	3

No Gas

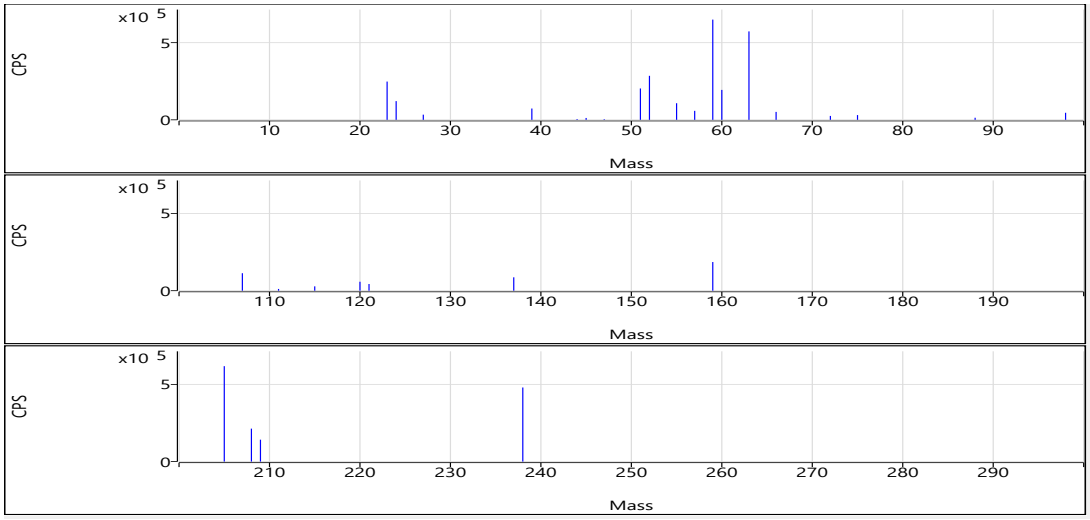


H2



Quantitation Report

He



Quantitation Report

Data File Name	120SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:01:08 PM
Sample Name	410-231908-A-1-D MSD
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

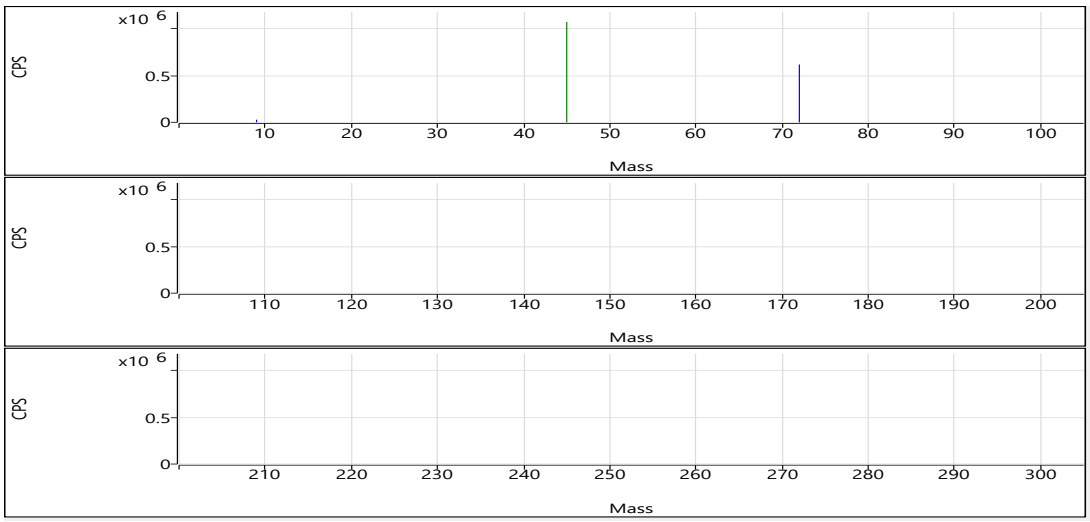
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	52.050	ug/L	1.1	28131.21	0.0262	Pulse	0.5000	3
Se	78	72	H2	103.462	ppb	4.9	2806.07	0.0625	Pulse	1.5000	3
Na	23	72	He	5281.831	ug/L	0.9	252283.39	9.8089	Pulse	0.1000	3
Mg	24	72	He	5190.802	ug/L	0.9	124456.49	4.8390	Pulse	0.1000	3
Al	27	72	He	5226.888	ug/L	0.7	34258.55	1.3319	Pulse	0.1000	3
K	39	72	He	5457.444	ppb	1.4	76124.44	2.9597	Pulse	0.1000	3
Ca	44	72	He	5152.502	ppb	3.2	4640.89	0.1805	Pulse	0.1000	3
Ti	47	159	He	560.660	ppb	8.3	4327.49	0.0235	Pulse	0.1000	3
V	51	72	He	512.565	ppb	0.9	207192.62	8.0558	Pulse	0.5000	3
Cr	52	45	He	530.351	ppb	2.4	290407.70	24.7713	Pulse	0.1000	3
Mn	55	45	He	534.806	ppb	2.0	109764.13	9.3616	Pulse	0.1000	3
Fe	57	72	He	5071.306	ppb	1.6	57873.68	2.2503	Pulse	0.1000	3
Co	59	72	He	503.516	ppb	0.2	663202.98	25.7840	Pulse	0.1000	3
Ni	60	72	He	524.046	ppb	1.1	197003.57	7.6596	Pulse	0.1000	3
Cu	63	72	He	524.373	ppb	0.7	584040.47	22.7071	Pulse	0.1000	3
Zn	66	72	He	531.311	ppb	1.8	53055.15	2.0625	Pulse	0.1000	3
As	75	45	He	531.189	ppb	2.0	31379.36	2.6764	Pulse	0.5000	3
Sr	88	159	He	53.715	ppb	3.1	13874.15	0.0754	Pulse	0.1000	3
Mo	98	159	He	52.707	ppb	1.2	50825.44	0.2761	Pulse	0.1000	3
Ag	107	159	He	50.897	ppb	0.5	116715.75	0.6341	Pulse	0.1000	3
Cd	111	159	He	51.844	ppb	1.0	11404.17	0.0620	Pulse	0.5000	3
Sn	120	159	He	104.853	ppb	0.3	63791.66	0.3466	Pulse	0.1000	3
Sb	121	159	He	102.244	ppb	1.7	48514.83	0.2636	Pulse	0.1000	3
Ba	137	159	He	537.036	ppb	1.2	88832.66	0.4826	Pulse	0.1000	3
Tl	205	159	He	108.587	ppb	1.3	632761.28	3.4379	Pulse	0.1000	3
Pb	208	159	He	53.353	ppb	3.0	216684.13	1.1773	Pulse	0.1000	3
U	238	209	He	52.324	ppb	0.9	490235.41	3.4775	Pulse	0.1000	3

ISTD Table:

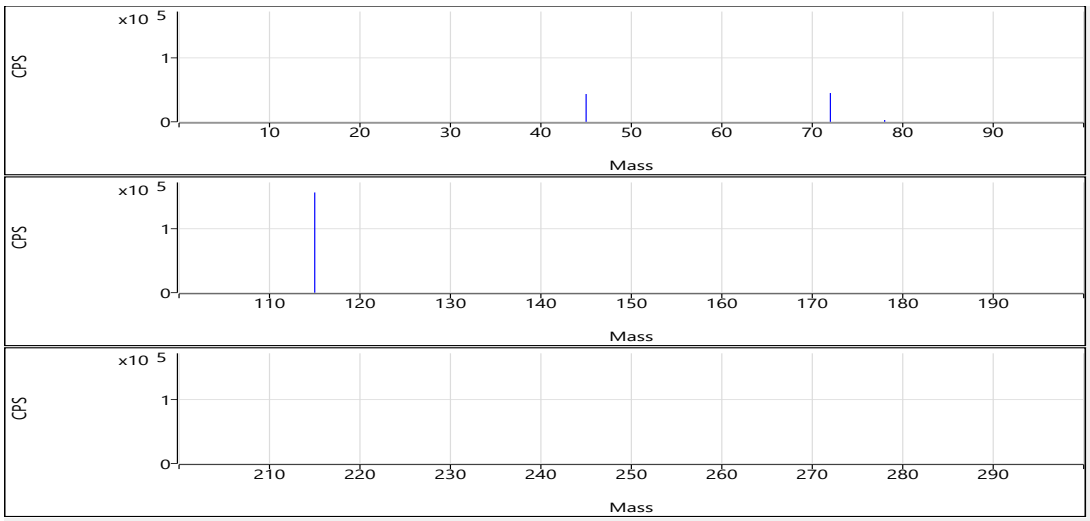
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1071890.53	0.7	102.5	Analog	0.1000	3
No Gas	Ge	72	618026.60	0.2	102.8	Pulse	0.1000	3
H2	Sc	45	43371.10	1.5	102.6	Pulse	0.1000	3
H2	Ge	72	44903.65	1.4	102.4	Pulse	0.1000	3
H2	In	115	156411.08	0.6	103.8	Pulse	0.1000	3
He	Sc	45	11728.60	2.7	102.7	Pulse	0.1000	3
He	Ge	72	25721.18	1.0	101.5	Pulse	0.1000	3
He	In	115	28948.48	1.5	106.1	Pulse	0.1000	3
He	Tb	159	184061.66	0.5	104.4	Pulse	0.1000	3
He	Bi	209	140979.69	1.7	104.5	Pulse	0.1000	3

No Gas

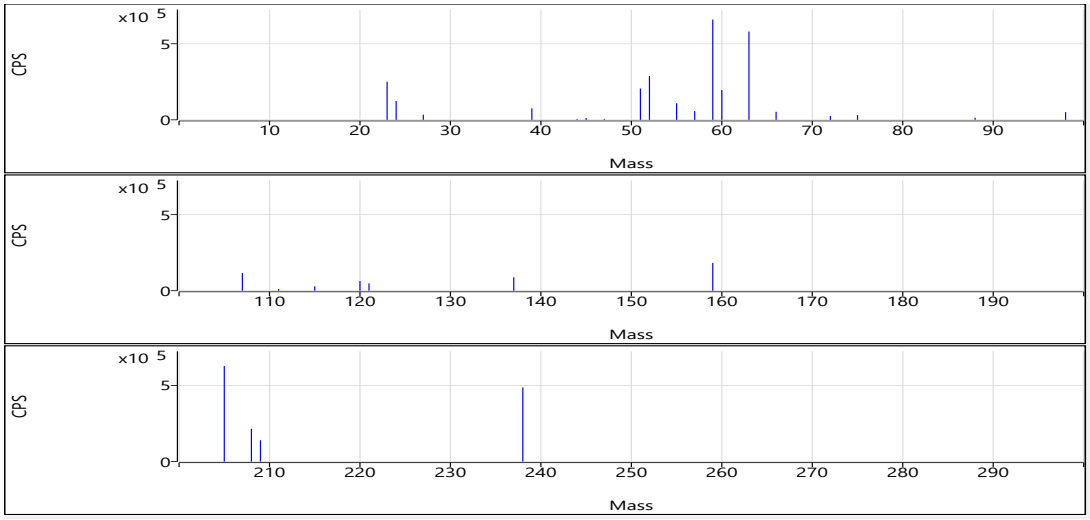


H2



Quantitation Report

He



Quantitation Report

Data File Name	121SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:03:09 PM
Sample Name	410-231024-C-1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

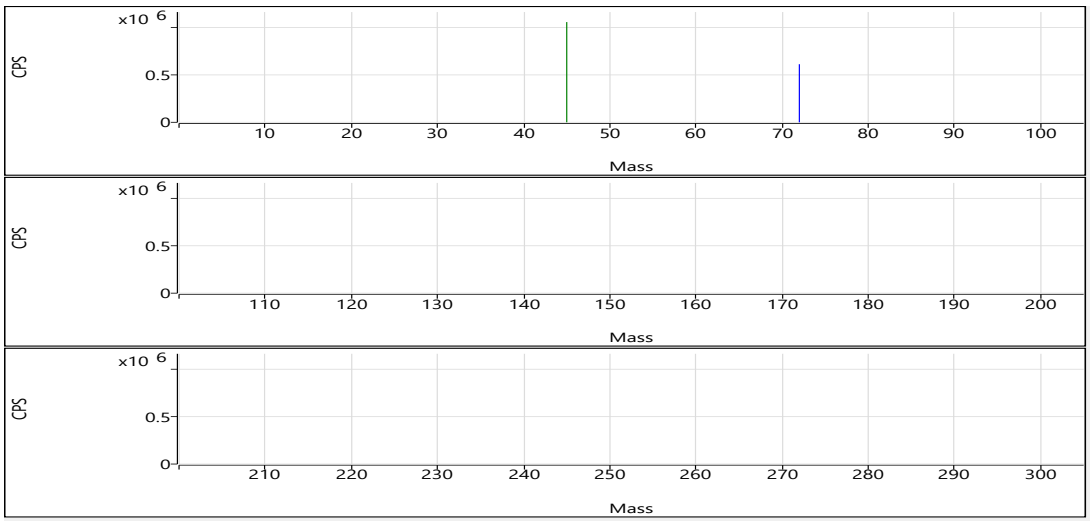
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.019	ug/L	62.8	36.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.074	ppb	78.7	4.22	0.0001	Pulse	1.5000	3
Na	23	72	He	-10.360	ug/L	N/A	5157.77	0.2045	Pulse	0.1000	3
Mg	24	72	He	0.604	ug/L	294.7	173.34	0.0069	Pulse	0.1000	3
Al	27	72	He	3.130	ug/L	74.5	66.67	0.0026	Pulse	0.1000	3
K	39	72	He	0.003	ppb	758060.1	2016.90	0.0799	Pulse	0.1000	3
Ca	44	72	He	53.075	ppb	55.6	70.00	0.0028	Pulse	0.1000	3
Ti	47	159	He	0.854	ppb	356.3	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.026	ppb	53.4	126.67	0.0050	Pulse	0.5000	3
Cr	52	45	He	-0.181	ppb	N/A	406.69	0.0359	Pulse	0.1000	3
Mn	55	45	He	1.019	ppb	29.7	253.34	0.0224	Pulse	0.1000	3
Fe	57	72	He	3.640	ppb	115.3	130.00	0.0052	Pulse	0.1000	3
Co	59	72	He	0.047	ppb	196.2	170.01	0.0068	Pulse	0.1000	3
Ni	60	72	He	0.128	ppb	61.7	200.01	0.0079	Pulse	0.1000	3
Cu	63	72	He	0.111	ppb	50.7	253.35	0.0100	Pulse	0.1000	3
Zn	66	72	He	0.412	ppb	44.2	90.00	0.0036	Pulse	0.1000	3
As	75	45	He	-0.008	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	-0.387	ppb	N/A	270.01	0.0015	Pulse	0.1000	3
Mo	98	159	He	0.072	ppb	52.6	130.01	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.004	ppb	288.4	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.012	ppb	134.9	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.808	ppb	N/A	1456.80	0.0081	Pulse	0.1000	3
Sb	121	159	He	0.149	ppb	70.6	83.34	0.0005	Pulse	0.1000	3
Ba	137	159	He	-1.114	ppb	N/A	696.71	0.0039	Pulse	0.1000	3
Tl	205	159	He	0.020	ppb	33.0	366.69	0.0020	Pulse	0.1000	3
Pb	208	159	He	0.007	ppb	221.4	196.68	0.0011	Pulse	0.1000	3
U	238	209	He	0.037	ppb	17.7	530.03	0.0037	Pulse	0.1000	3

ISTD Table:

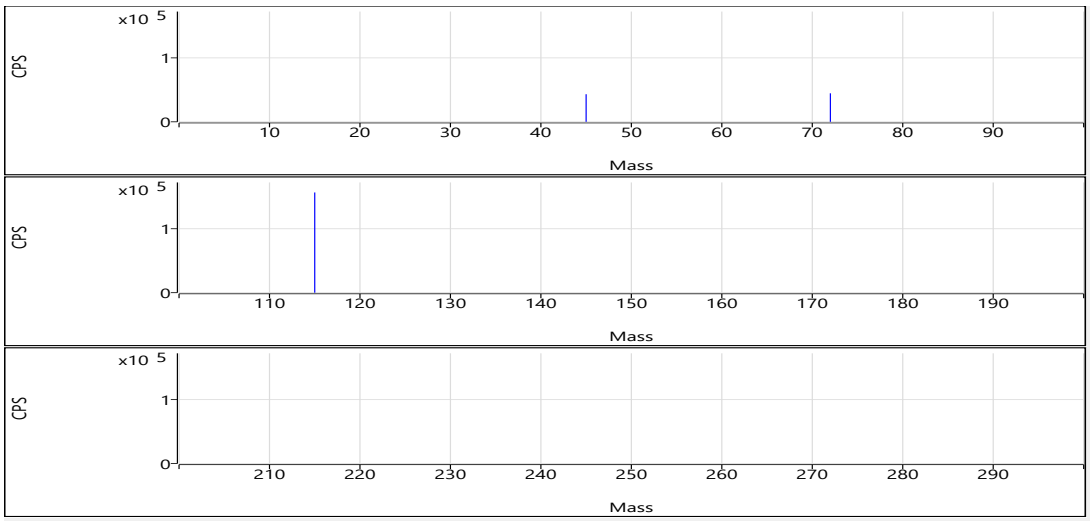
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1060659.10	1.2	101.5	Analog	0.1000	3
No Gas	Ge	72	614590.41	1.4	102.2	Pulse	0.1000	3
H2	Sc	45	42912.95	3.7	101.5	Pulse	0.1000	3
H2	Ge	72	44338.27	3.2	101.1	Pulse	0.1000	3
H2	In	115	155921.98	0.9	103.5	Pulse	0.1000	3
He	Sc	45	11344.91	1.9	99.3	Pulse	0.1000	3
He	Ge	72	25227.04	0.8	99.6	Pulse	0.1000	3
He	In	115	28470.75	2.0	104.3	Pulse	0.1000	3
He	Tb	159	180918.49	0.5	102.6	Pulse	0.1000	3
He	Bi	209	141330.79	1.2	104.8	Pulse	0.1000	3

No Gas

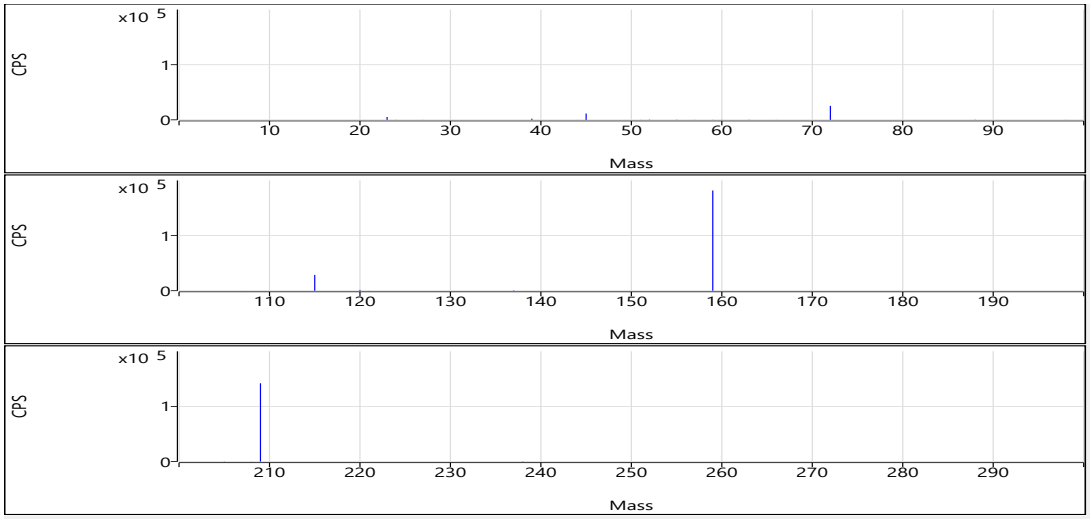


H2



Quantitation Report

He



Quantitation Report

Data File Name	122SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:05:10 PM
Sample Name	410-231025-D-1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

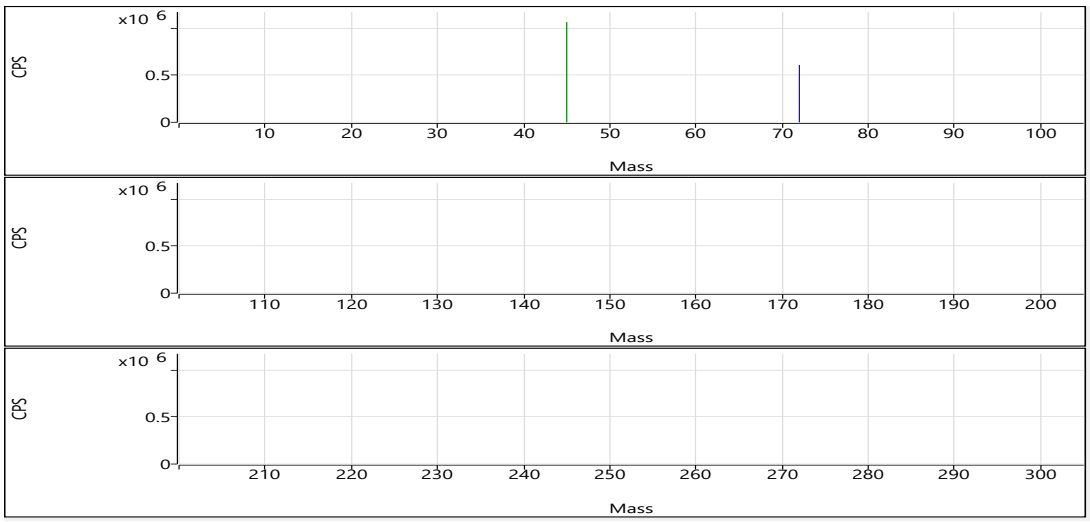
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.003	ug/L	463.1	28.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.018	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	-16.909	ug/L	N/A	4901.02	0.1926	Pulse	0.1000	3
Mg	24	72	He	-1.722	ug/L	N/A	120.00	0.0047	Pulse	0.1000	3
Al	27	72	He	0.462	ug/L	315.7	50.00	0.0020	Pulse	0.1000	3
K	39	72	He	6.032	ppb	274.7	2113.57	0.0831	Pulse	0.1000	3
Ca	44	72	He	48.646	ppb	86.7	66.67	0.0026	Pulse	0.1000	3
Ti	47	159	He	1.293	ppb	59.1	16.67	0.0001	Pulse	0.1000	3
V	51	72	He	-0.018	ppb	N/A	110.00	0.0043	Pulse	0.5000	3
Cr	52	45	He	-0.216	ppb	N/A	406.69	0.0342	Pulse	0.1000	3
Mn	55	45	He	0.073	ppb	164.7	70.00	0.0058	Pulse	0.1000	3
Fe	57	72	He	-0.597	ppb	N/A	83.34	0.0033	Pulse	0.1000	3
Co	59	72	He	0.005	ppb	860.8	116.67	0.0046	Pulse	0.1000	3
Ni	60	72	He	0.071	ppb	123.8	180.01	0.0071	Pulse	0.1000	3
Cu	63	72	He	0.115	ppb	26.7	260.01	0.0102	Pulse	0.1000	3
Zn	66	72	He	-0.066	ppb	N/A	43.33	0.0017	Pulse	0.1000	3
As	75	45	He	-0.025	ppb	N/A	9.33	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.269	ppb	N/A	300.02	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.012	ppb	347.6	73.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.004	ppb	189.4	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.739	ppb	N/A	1500.14	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.078	ppb	55.2	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	-0.606	ppb	N/A	780.05	0.0043	Pulse	0.1000	3
Tl	205	159	He	0.002	ppb	67.5	263.34	0.0015	Pulse	0.1000	3
Pb	208	159	He	0.004	ppb	206.8	183.34	0.0010	Pulse	0.1000	3
U	238	209	He	0.008	ppb	61.2	256.68	0.0018	Pulse	0.1000	3

ISTD Table:

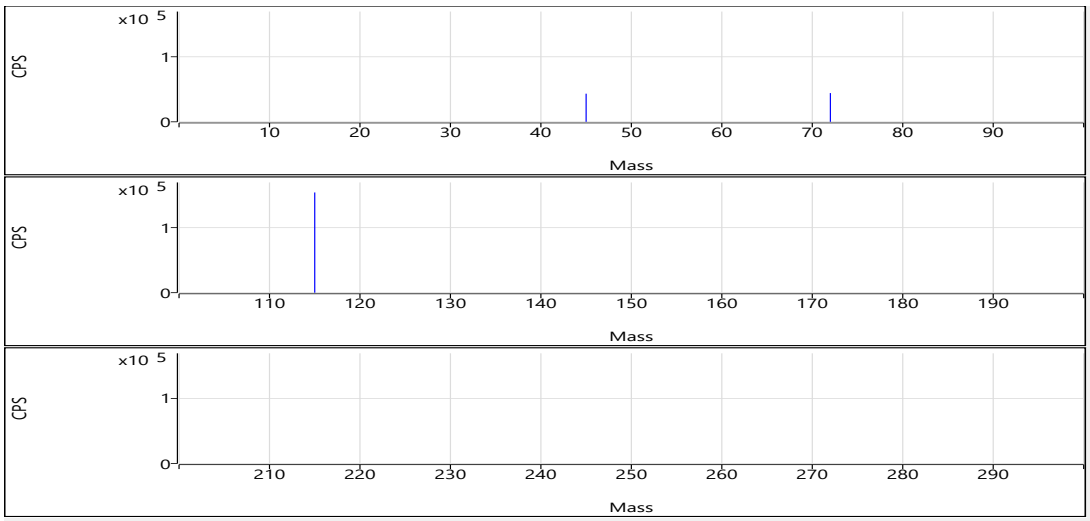
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1066400.56	0.8	102.0	Analog	0.1000	3
No Gas	Ge	72	609869.30	0.5	101.4	Pulse	0.1000	3
H2	Sc	45	43247.18	0.8	102.3	Pulse	0.1000	3
H2	Ge	72	44184.52	1.0	100.7	Pulse	0.1000	3
H2	In	115	154141.79	1.1	102.3	Pulse	0.1000	3
He	Sc	45	11902.06	2.5	104.2	Pulse	0.1000	3
He	Ge	72	25450.65	1.5	100.5	Pulse	0.1000	3
He	In	115	28581.04	1.9	104.7	Pulse	0.1000	3
He	Tb	159	181379.39	1.1	102.8	Pulse	0.1000	3
He	Bi	209	143739.94	0.4	106.6	Pulse	0.1000	3

No Gas

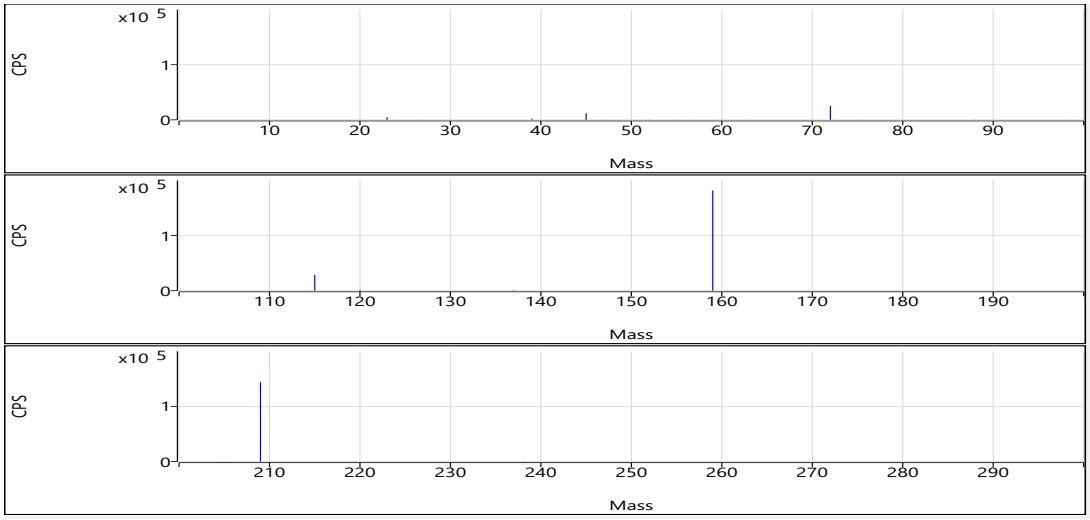


H2



Quantitation Report

He



Quantitation Report

Data File Name	123SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:07:10 PM
Sample Name	180-194023-P-6-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

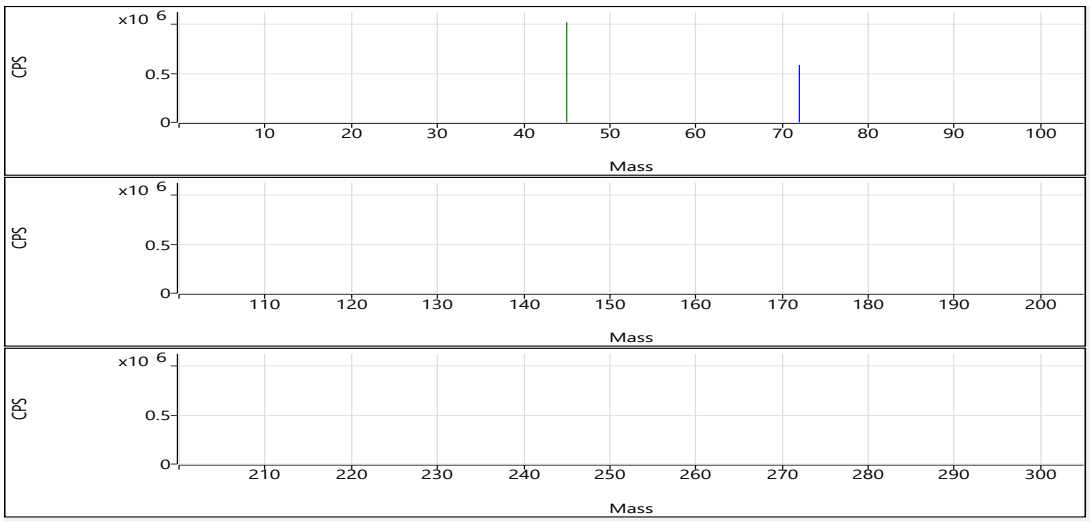
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.001	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.548	ppb	11.9	42.66	0.0010	Pulse	1.5000	3
Na	23	72	He	557920.068	ug/L	1.4	24419369.64	1,012.7493	Analog	0.1000	3
Mg	24	72	He	9661.219	ug/L	1.6	217028.42	9.0009	Pulse	0.1000	3
Al	27	72	He	102.467	ug/L	4.7	673.37	0.0279	Pulse	0.1000	3
K	39	72	He	185098.289	ppb	1.9	2356956.58	97.7537	Analog	0.1000	3
Ca	44	72	He	102440.132	ppb	1.6	86091.53	3.5705	Pulse	0.1000	3
Ti	47	159	He	3.756	ppb	93.2	33.33	0.0002	Pulse	0.1000	3
V	51	72	He	2.394	ppb	5.8	1017.38	0.0422	Pulse	0.5000	3
Cr	52	45	He	0.341	ppb	47.8	656.71	0.0602	Pulse	0.1000	3
Mn	55	45	He	1653.378	ppb	5.5	316480.37	28.9322	Pulse	0.1000	3
Fe	57	72	He	155.267	ppb	6.7	1743.51	0.0723	Pulse	0.1000	3
Co	59	72	He	0.382	ppb	5.1	576.70	0.0239	Pulse	0.1000	3
Ni	60	72	He	1.657	ppb	16.0	730.05	0.0302	Pulse	0.1000	3
Cu	63	72	He	1.018	ppb	3.8	1190.09	0.0493	Pulse	0.1000	3
Zn	66	72	He	11.720	ppb	7.6	1143.42	0.0474	Pulse	0.1000	3
As	75	45	He	17.066	ppb	5.2	950.71	0.0869	Pulse	0.5000	3
Sr	88	159	He	414.548	ppb	2.0	96938.08	0.5681	Pulse	0.1000	3
Mo	98	159	He	11.394	ppb	3.2	10230.89	0.0600	Pulse	0.1000	3
Ag	107	159	He	0.016	ppb	175.7	63.34	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.092	ppb	0.5	22.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	1.186	ppb	27.7	2463.66	0.0144	Pulse	0.1000	3
Sb	121	159	He	4.626	ppb	5.7	2046.91	0.0120	Pulse	0.1000	3
Ba	137	159	He	132.040	ppb	3.2	20870.35	0.1223	Pulse	0.1000	3
Tl	205	159	He	-0.011	ppb	N/A	173.34	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.479	ppb	8.6	1960.22	0.0115	Pulse	0.1000	3
U	238	209	He	0.053	ppb	7.2	610.04	0.0048	Pulse	0.1000	3

ISTD Table:

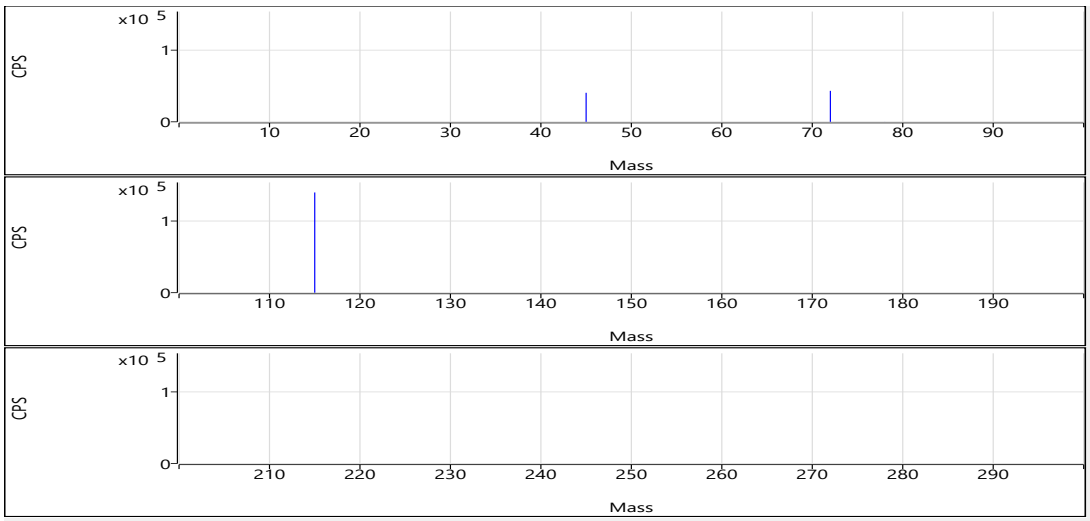
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1022023.76	0.4	97.8	Analog	0.1000	3
No Gas	Ge	72	584175.52	1.0	97.1	Pulse	0.1000	3
H2	Sc	45	40626.11	0.9	96.1	Pulse	0.1000	3
H2	Ge	72	43341.80	1.6	98.8	Pulse	0.1000	3
H2	In	115	140279.79	0.5	93.1	Pulse	0.1000	3
He	Sc	45	10957.90	4.8	95.9	Pulse	0.1000	3
He	Ge	72	24114.98	1.4	95.2	Pulse	0.1000	3
He	In	115	25144.10	2.3	92.1	Pulse	0.1000	3
He	Tb	159	170622.90	0.5	96.7	Pulse	0.1000	3
He	Bi	209	127382.37	1.0	94.5	Pulse	0.1000	3

No Gas

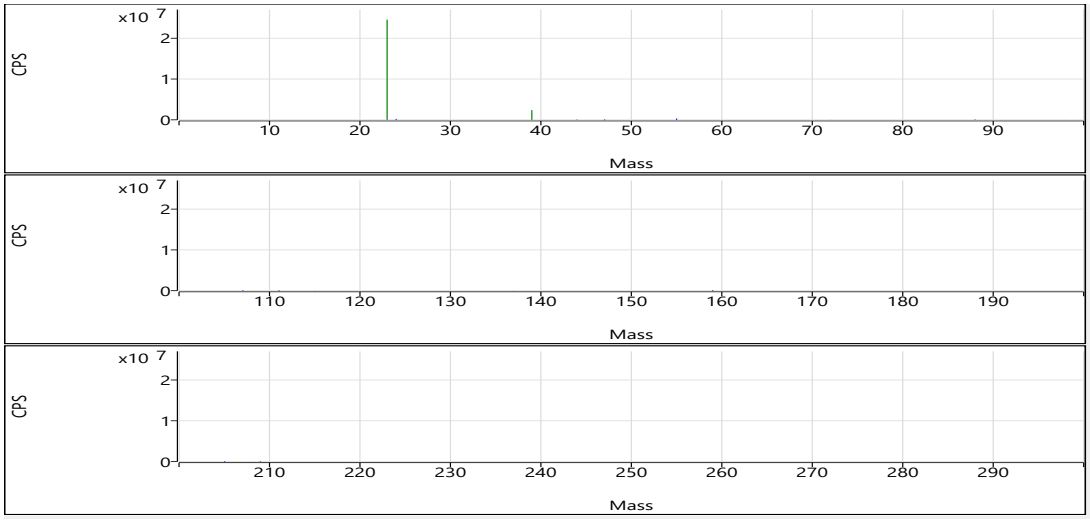


H2



Quantitation Report

He



Quantitation Report

Data File Name	123SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:09:37 PM
Sample Name	180-194023-P-6-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

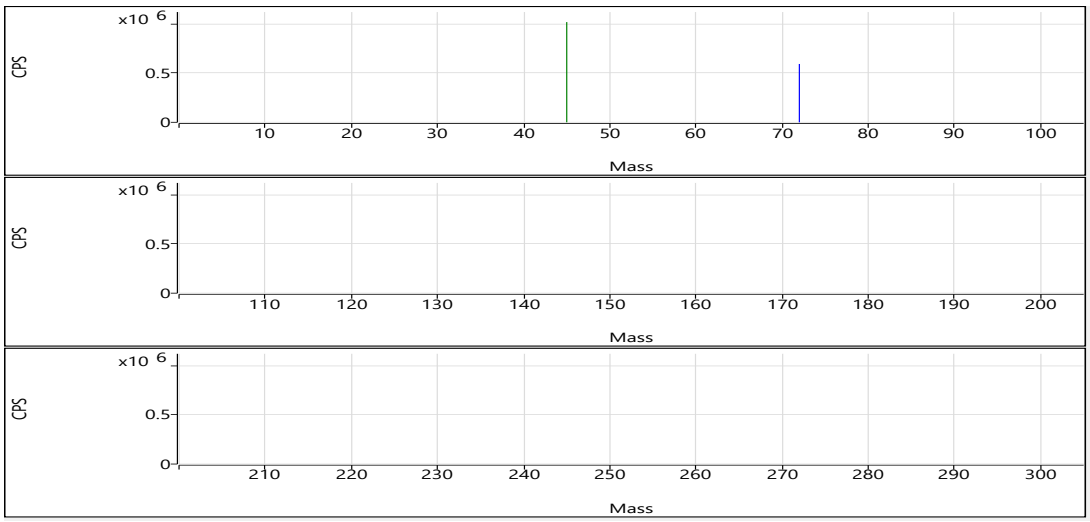
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.001	ug/L	11852.7	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.859	ppb	84.5	6.67	0.0002	Pulse	1.5000	3
Na	23	72	He	575619.826	ug/L	2.2	5157225.97	209.1529	Analog	0.1000	3
Mg	24	72	He	10045.737	ug/L	3.5	46268.76	1.8768	Pulse	0.1000	3
Al	27	72	He	290.231	ug/L	6.4	410.02	0.0166	Pulse	0.1000	3
K	39	72	He	187493.090	ppb	2.7	489844.37	19.8674	Pulse	0.1000	3
Ca	44	72	He	103774.914	ppb	3.7	17855.16	0.7241	Pulse	0.1000	3
Ti	47	159	He	9.165	ppb	128.8	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	2.610	ppb	16.4	315.34	0.0128	Pulse	0.5000	3
Cr	52	45	He	0.660	ppb	205.8	556.70	0.0504	Pulse	0.1000	3
Mn	55	45	He	1718.095	ppb	4.8	66765.61	6.0165	Pulse	0.1000	3
Fe	57	72	He	159.077	ppb	27.8	436.69	0.0176	Pulse	0.1000	3
Co	59	72	He	0.380	ppb	11.6	203.34	0.0082	Pulse	0.1000	3
Ni	60	72	He	0.974	ppb	57.4	220.01	0.0089	Pulse	0.1000	3
Cu	63	72	He	1.438	ppb	15.8	436.69	0.0177	Pulse	0.1000	3
Zn	66	72	He	13.344	ppb	21.3	303.35	0.0123	Pulse	0.1000	3
As	75	45	He	18.439	ppb	10.5	216.00	0.0195	Pulse	0.5000	3
Sr	88	159	He	421.907	ppb	1.6	20435.79	0.1173	Pulse	0.1000	3
Mo	98	159	He	10.896	ppb	7.2	2046.91	0.0117	Pulse	0.1000	3
Ag	107	159	He	0.024	ppb	256.0	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.081	ppb	123.1	6.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-1.202	ppb	N/A	1720.17	0.0099	Pulse	0.1000	3
Sb	121	159	He	4.790	ppb	9.1	443.36	0.0025	Pulse	0.1000	3
Ba	137	159	He	138.452	ppb	4.1	5137.87	0.0295	Pulse	0.1000	3
Tl	205	159	He	-0.039	ppb	N/A	196.68	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.722	ppb	29.8	716.72	0.0041	Pulse	0.1000	3
U	238	209	He	0.080	ppb	23.9	313.35	0.0023	Pulse	0.1000	3

ISTD Table:

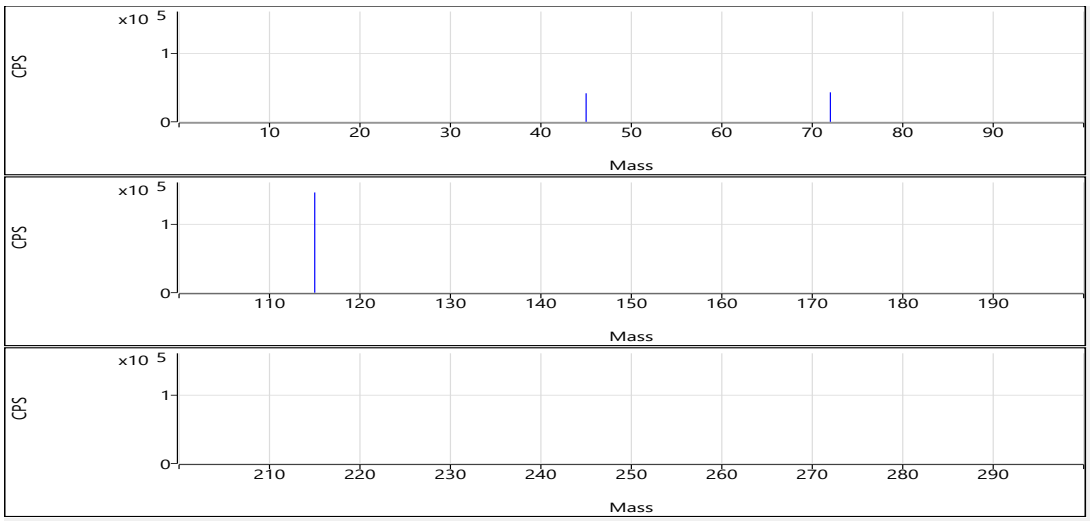
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1016394.10	0.3	97.2	Analog	0.1000	3
No Gas	Ge	72	591424.14	0.9	98.4	Pulse	0.1000	3
H2	Sc	45	42003.19	0.7	99.4	Pulse	0.1000	3
H2	Ge	72	43408.58	1.6	98.9	Pulse	0.1000	3
H2	In	115	147576.33	0.5	97.9	Pulse	0.1000	3
He	Sc	45	11114.81	5.3	97.3	Pulse	0.1000	3
He	Ge	72	24665.86	2.4	97.4	Pulse	0.1000	3
He	In	115	27017.61	3.5	99.0	Pulse	0.1000	3
He	Tb	159	174283.83	0.7	98.8	Pulse	0.1000	3
He	Bi	209	134959.06	2.0	100.1	Pulse	0.1000	3

No Gas

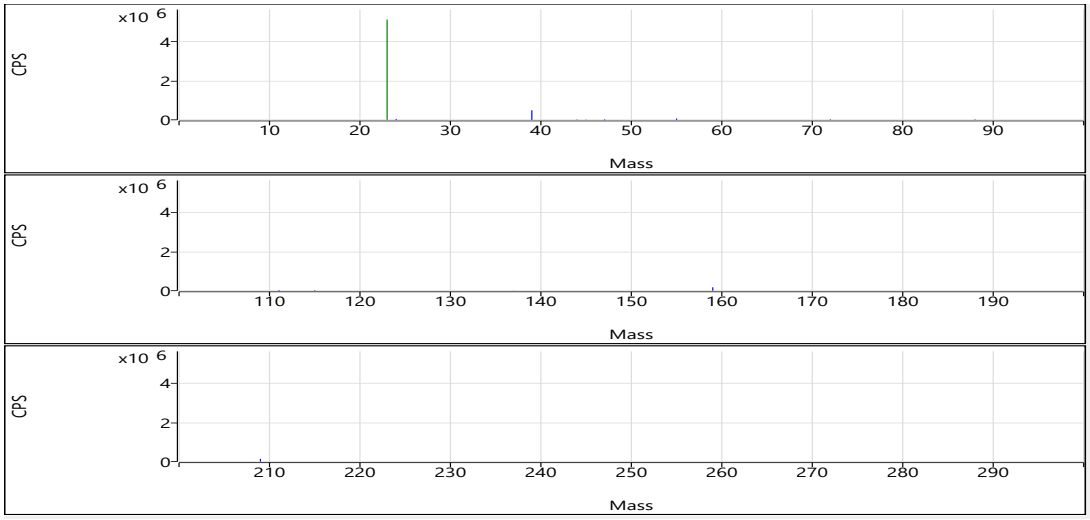


H2



Quantitation Report

He



Quantitation Report

Data File Name	124SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:11:30 PM
Sample Name	180-194023-Q-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

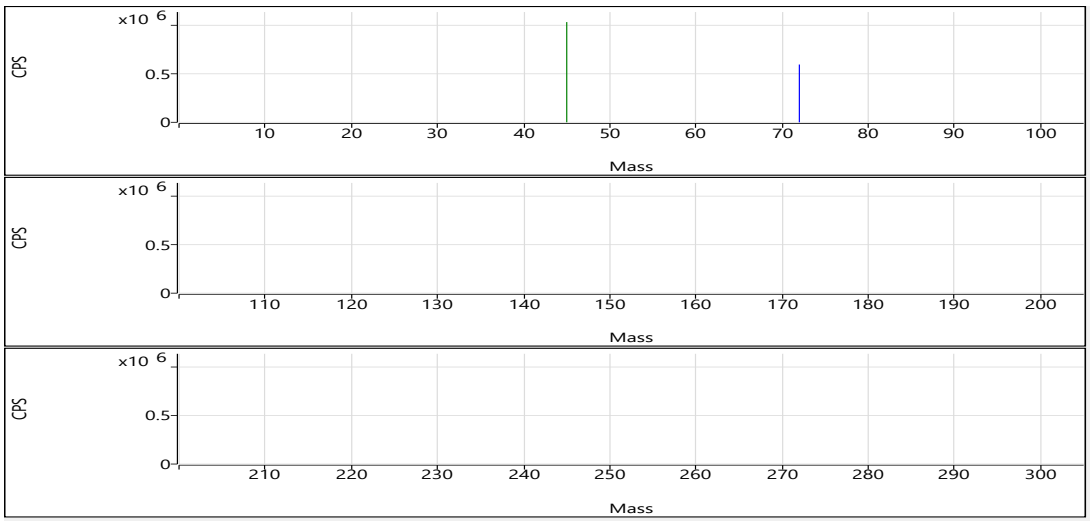
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.030	ug/L	59.6	41.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	4.221	ppb	8.4	112.22	0.0026	Pulse	1.5000	3
Na	23	72	He	571165.499	ug/L	4.7	24888348.80	1,036.7874	Analog	0.1000	3
Mg	24	72	He	11779.412	ug/L	4.5	263420.30	10.9730	Pulse	0.1000	3
Al	27	72	He	149.251	ug/L	3.3	956.73	0.0398	Pulse	0.1000	3
K	39	72	He	187556.968	ppb	4.0	2378262.62	99.0511	Analog	0.1000	3
Ca	44	72	He	98737.713	ppb	5.0	82621.27	3.4415	Pulse	0.1000	3
Ti	47	159	He	6.156	ppb	91.9	50.00	0.0003	Pulse	0.1000	3
V	51	72	He	4.868	ppb	6.7	1944.81	0.0811	Pulse	0.5000	3
Cr	52	45	He	0.539	ppb	9.1	776.72	0.0694	Pulse	0.1000	3
Mn	55	45	He	1909.662	ppb	2.2	373842.90	33.4161	Pulse	0.1000	3
Fe	57	72	He	131.961	ppb	3.7	1490.13	0.0620	Pulse	0.1000	3
Co	59	72	He	0.499	ppb	9.7	716.71	0.0299	Pulse	0.1000	3
Ni	60	72	He	2.170	ppb	16.0	903.40	0.0377	Pulse	0.1000	3
Cu	63	72	He	1.450	ppb	10.8	1630.16	0.0680	Pulse	0.1000	3
Zn	66	72	He	16.747	ppb	7.2	1606.82	0.0669	Pulse	0.1000	3
As	75	45	He	21.863	ppb	1.9	1242.73	0.1110	Pulse	0.5000	3
Sr	88	159	He	398.674	ppb	1.6	92561.88	0.5465	Pulse	0.1000	3
Mo	98	159	He	5.202	ppb	6.6	4667.62	0.0276	Pulse	0.1000	3
Ag	107	159	He	0.010	ppb	125.5	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.142	ppb	25.2	32.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	4.672	ppb	3.4	4337.52	0.0256	Pulse	0.1000	3
Sb	121	159	He	7.585	ppb	9.6	3323.87	0.0196	Pulse	0.1000	3
Ba	137	159	He	166.540	ppb	1.4	25916.01	0.1530	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	150.01	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.491	ppb	9.0	1990.25	0.0118	Pulse	0.1000	3
U	238	209	He	0.048	ppb	20.2	563.37	0.0045	Pulse	0.1000	3

ISTD Table:

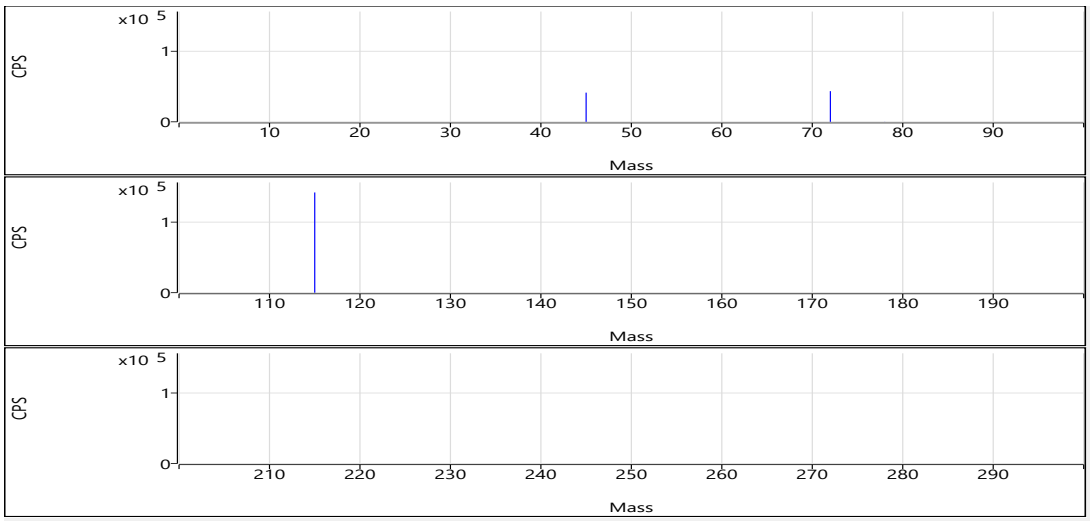
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1028626.37	0.6	98.4	Analog	0.1000	3
No Gas	Ge	72	592925.59	0.4	98.6	Pulse	0.1000	3
H2	Sc	45	41123.89	1.7	97.3	Pulse	0.1000	3
H2	Ge	72	43238.17	2.7	98.6	Pulse	0.1000	3
H2	In	115	141317.35	2.0	93.8	Pulse	0.1000	3
He	Sc	45	11191.50	2.7	98.0	Pulse	0.1000	3
He	Ge	72	24044.82	5.3	94.9	Pulse	0.1000	3
He	In	115	25428.00	0.8	93.2	Pulse	0.1000	3
He	Tb	159	169383.13	0.2	96.0	Pulse	0.1000	3
He	Bi	209	126268.28	0.6	93.6	Pulse	0.1000	3

No Gas

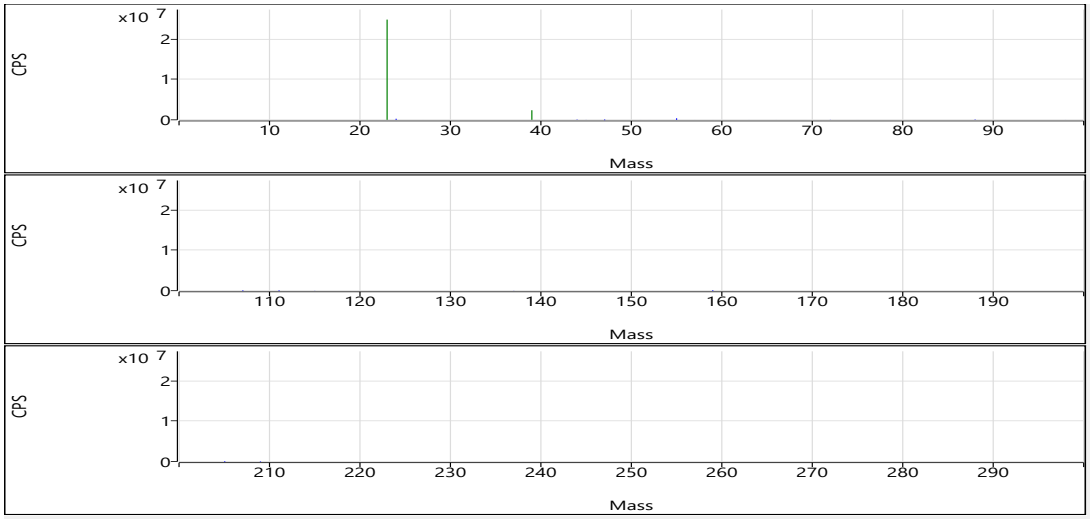


H2



Quantitation Report

He



Quantitation Report

Data File Name	124SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:13:55 PM
Sample Name	180-194023-Q-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

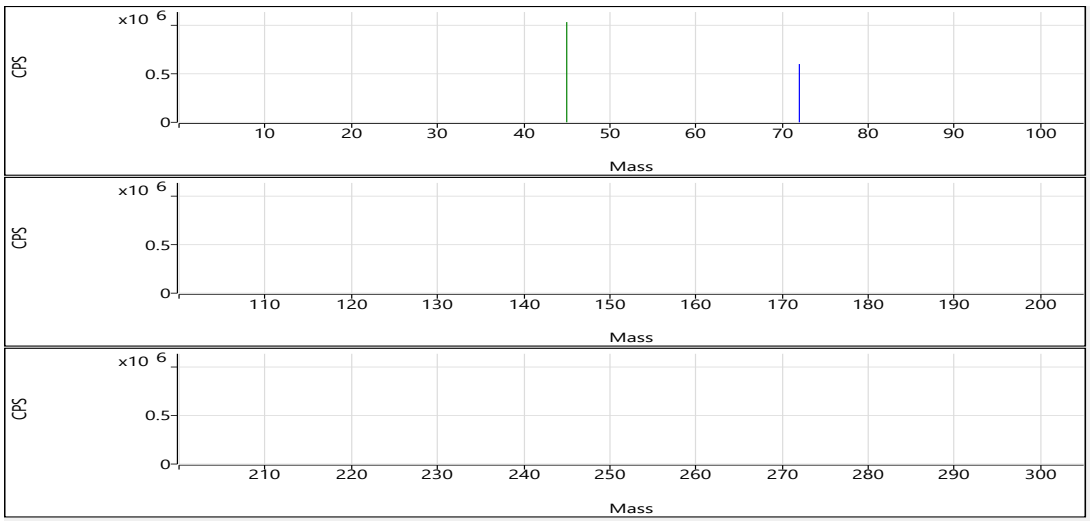
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	3.202	ppb	26.0	18.45	0.0004	Pulse	1.5000	3
Na	23	72	He	566103.356	ug/L	4.5	5266908.78	205.6988	Analog	0.1000	3
Mg	24	72	He	11536.901	ug/L	4.3	55170.24	2.1545	Pulse	0.1000	3
Al	27	72	He	265.433	ug/L	43.8	390.02	0.0154	Pulse	0.1000	3
K	39	72	He	183973.217	ppb	4.0	499275.85	19.4959	Pulse	0.1000	3
Ca	44	72	He	97578.980	ppb	4.7	17434.59	0.6810	Pulse	0.1000	3
Ti	47	159	He	6.966	ppb	151.4	16.67	0.0001	Pulse	0.1000	3
V	51	72	He	4.709	ppb	12.4	496.01	0.0194	Pulse	0.5000	3
Cr	52	45	He	0.573	ppb	378.8	553.36	0.0496	Pulse	0.1000	3
Mn	55	45	He	2011.599	ppb	3.8	79183.59	7.0436	Pulse	0.1000	3
Fe	57	72	He	132.869	ppb	3.5	393.35	0.0153	Pulse	0.1000	3
Co	59	72	He	0.589	ppb	24.2	266.68	0.0104	Pulse	0.1000	3
Ni	60	72	He	1.942	ppb	11.4	300.02	0.0117	Pulse	0.1000	3
Cu	63	72	He	1.876	ppb	30.2	546.70	0.0215	Pulse	0.1000	3
Zn	66	72	He	20.801	ppb	6.6	463.36	0.0181	Pulse	0.1000	3
As	75	45	He	25.225	ppb	14.4	295.34	0.0263	Pulse	0.5000	3
Sr	88	159	He	407.350	ppb	1.6	19704.73	0.1133	Pulse	0.1000	3
Mo	98	159	He	5.279	ppb	5.2	1020.07	0.0059	Pulse	0.1000	3
Ag	107	159	He	0.039	ppb	67.2	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.097	ppb	56.3	7.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	2.356	ppb	16.4	2113.58	0.0121	Pulse	0.1000	3
Sb	121	159	He	8.482	ppb	14.4	773.38	0.0044	Pulse	0.1000	3
Ba	137	159	He	163.119	ppb	4.5	5891.52	0.0339	Pulse	0.1000	3
Tl	205	159	He	-0.033	ppb	N/A	203.34	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.581	ppb	14.0	606.70	0.0035	Pulse	0.1000	3
U	238	209	He	0.050	ppb	44.3	260.01	0.0019	Pulse	0.1000	3

ISTD Table:

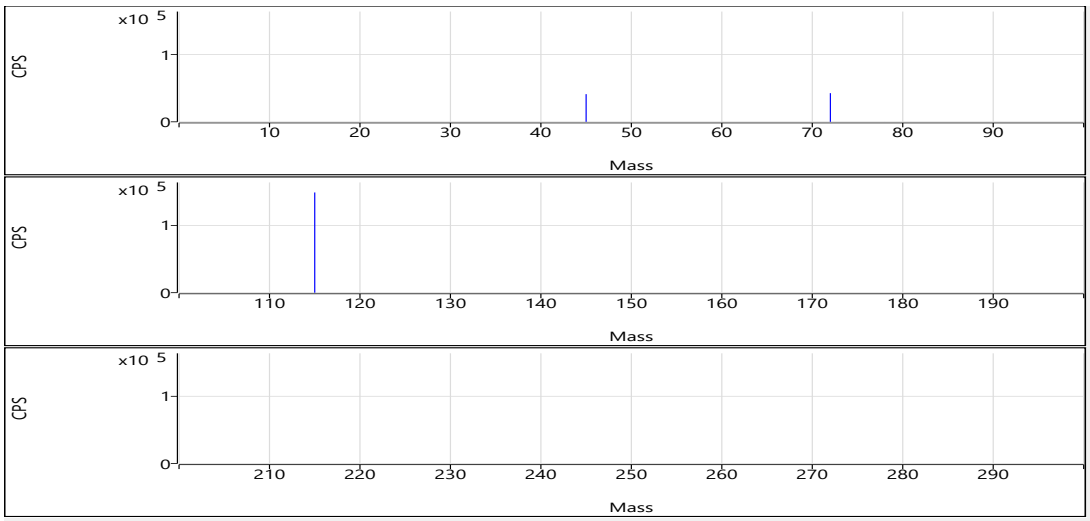
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1032755.19	0.4	98.8	Analog	0.1000	3
No Gas	Ge	72	600225.95	1.2	99.8	Pulse	0.1000	3
H2	Sc	45	40799.74	0.1	96.5	Pulse	0.1000	3
H2	Ge	72	42258.66	1.2	96.3	Pulse	0.1000	3
H2	In	115	147833.46	1.0	98.1	Pulse	0.1000	3
He	Sc	45	11251.57	3.4	98.5	Pulse	0.1000	3
He	Ge	72	25647.86	5.6	101.3	Pulse	0.1000	3
He	In	115	27238.24	4.9	99.8	Pulse	0.1000	3
He	Tb	159	173958.99	0.6	98.6	Pulse	0.1000	3
He	Bi	209	134653.10	2.2	99.8	Pulse	0.1000	3

No Gas

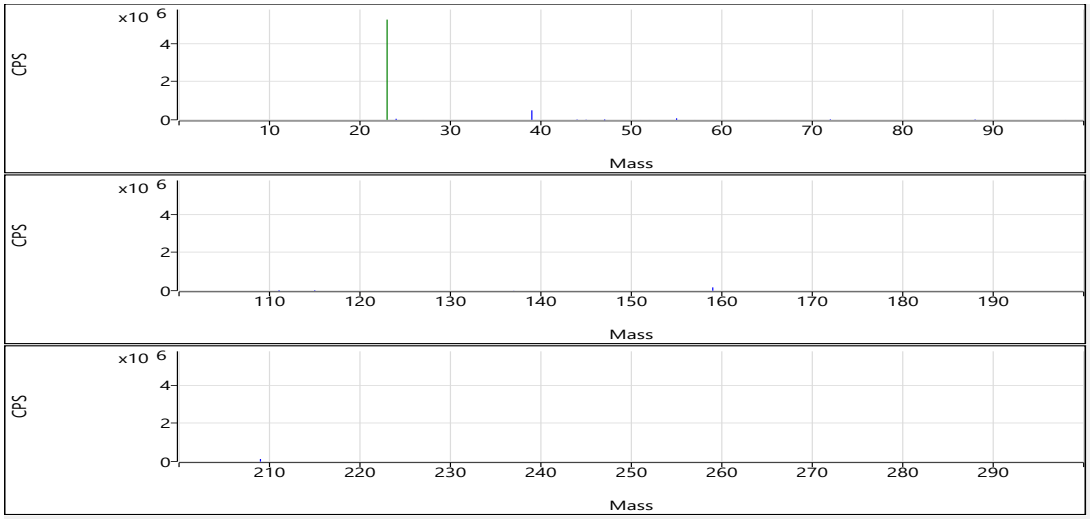


H2



Quantitation Report

He



Quantitation Report

Data File Name	126_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:17:48 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

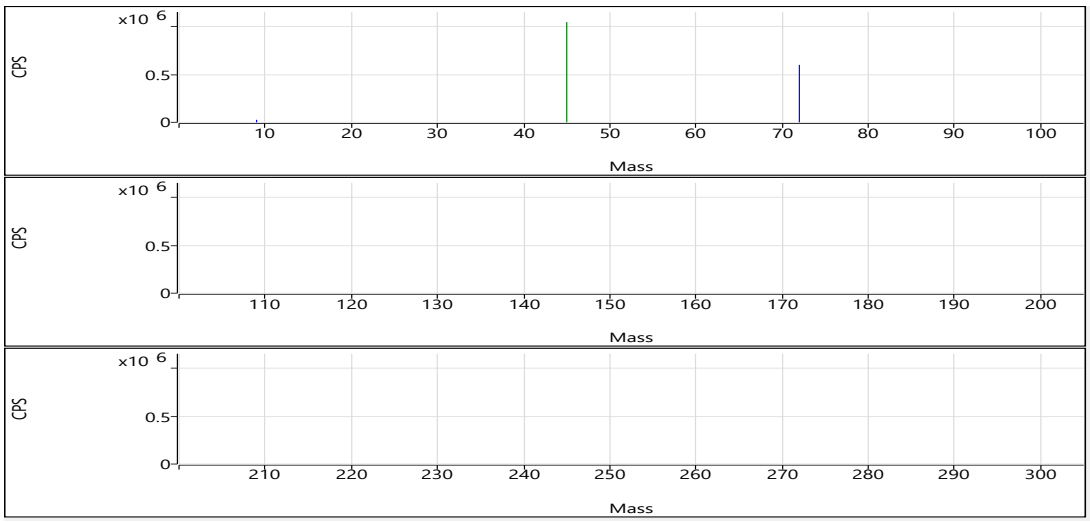
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.275	ug/L	1.9	26055.35	0.0248	Pulse	0.5000	3
Se	78	72	H2	51.233	ppb	3.8	1320.95	0.0310	Pulse	1.5000	3
Na	23	72	He	4948.709	ug/L	0.9	230158.99	9.2044	Pulse	0.1000	3
Mg	24	72	He	4950.129	ug/L	0.7	115402.66	4.6149	Pulse	0.1000	3
Al	27	72	He	4967.357	ug/L	1.7	31655.76	1.2659	Pulse	0.1000	3
K	39	72	He	4910.409	ppb	1.2	66788.00	2.6710	Pulse	0.1000	3
Ca	44	72	He	4848.285	ppb	1.0	4247.44	0.1699	Pulse	0.1000	3
Ti	47	159	He	5032.499	ppb	1.2	37453.87	0.2107	Pulse	0.1000	3
V	51	72	He	497.416	ppb	1.0	195489.16	7.8179	Pulse	0.5000	3
Cr	52	45	He	509.169	ppb	0.9	270764.04	23.7837	Pulse	0.1000	3
Mn	55	45	He	509.208	ppb	0.4	101482.14	8.9137	Pulse	0.1000	3
Fe	57	72	He	4852.086	ppb	3.0	53830.73	2.1531	Pulse	0.1000	3
Co	59	72	He	478.977	ppb	0.4	613332.44	24.5276	Pulse	0.1000	3
Ni	60	72	He	500.070	ppb	1.1	182768.39	7.3094	Pulse	0.1000	3
Cu	63	72	He	495.765	ppb	0.5	536835.47	21.4686	Pulse	0.1000	3
Zn	66	72	He	499.003	ppb	0.2	48441.76	1.9372	Pulse	0.1000	3
As	75	45	He	510.599	ppb	0.6	29290.81	2.5727	Pulse	0.5000	3
Sr	88	159	He	51.003	ppb	3.3	12739.66	0.0717	Pulse	0.1000	3
Mo	98	159	He	50.348	ppb	1.2	46891.42	0.2638	Pulse	0.1000	3
Ag	107	159	He	49.840	ppb	1.8	110383.81	0.6209	Pulse	0.1000	3
Cd	111	159	He	50.200	ppb	0.1	10665.57	0.0600	Pulse	0.5000	3
Sn	120	159	He	49.791	ppb	1.3	30254.89	0.1702	Pulse	0.1000	3
Sb	121	159	He	50.166	ppb	2.4	22993.78	0.1294	Pulse	0.1000	3
Ba	137	159	He	492.175	ppb	2.0	78692.41	0.4427	Pulse	0.1000	3
Tl	205	159	He	49.938	ppb	1.3	281233.14	1.5818	Pulse	0.1000	3
Pb	208	159	He	49.785	ppb	1.0	195320.17	1.0986	Pulse	0.1000	3
U	238	209	He	49.482	ppb	0.8	451857.48	3.2887	Pulse	0.1000	3

ISTD Table:

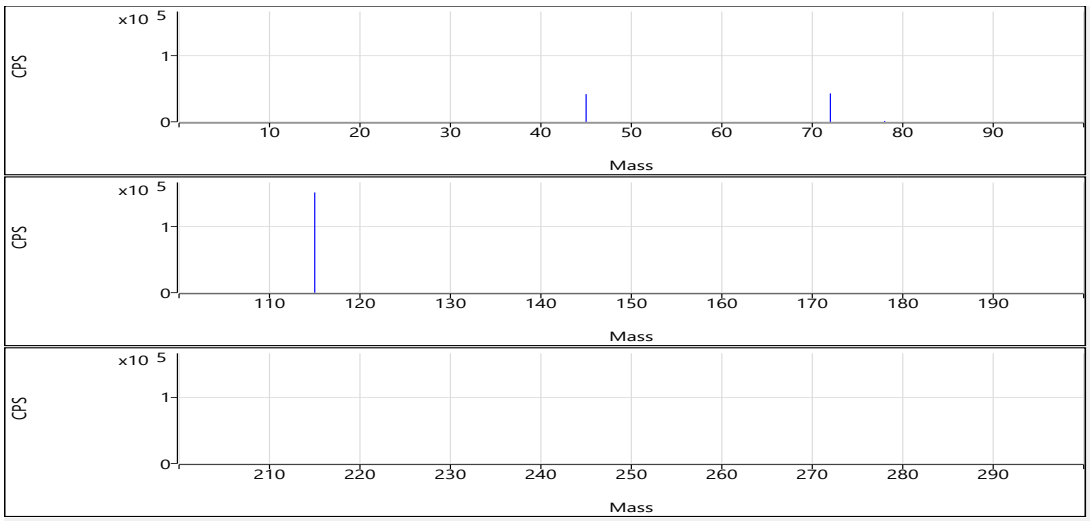
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1048697.54	0.3	100.3	Analog	0.1000	3
No Gas	Ge	72	600922.78	0.6	99.9	Pulse	0.1000	3
H2	Sc	45	41668.99	3.7	98.6	Pulse	0.1000	3
H2	Ge	72	42636.54	1.5	97.2	Pulse	0.1000	3
H2	In	115	150785.12	2.0	100.1	Pulse	0.1000	3
He	Sc	45	11384.94	0.8	99.7	Pulse	0.1000	3
He	Ge	72	25006.40	1.1	98.7	Pulse	0.1000	3
He	In	115	27485.27	1.9	100.7	Pulse	0.1000	3
He	Tb	159	177780.97	1.0	100.8	Pulse	0.1000	3
He	Bi	209	137411.94	2.2	101.9	Pulse	0.1000	3

No Gas

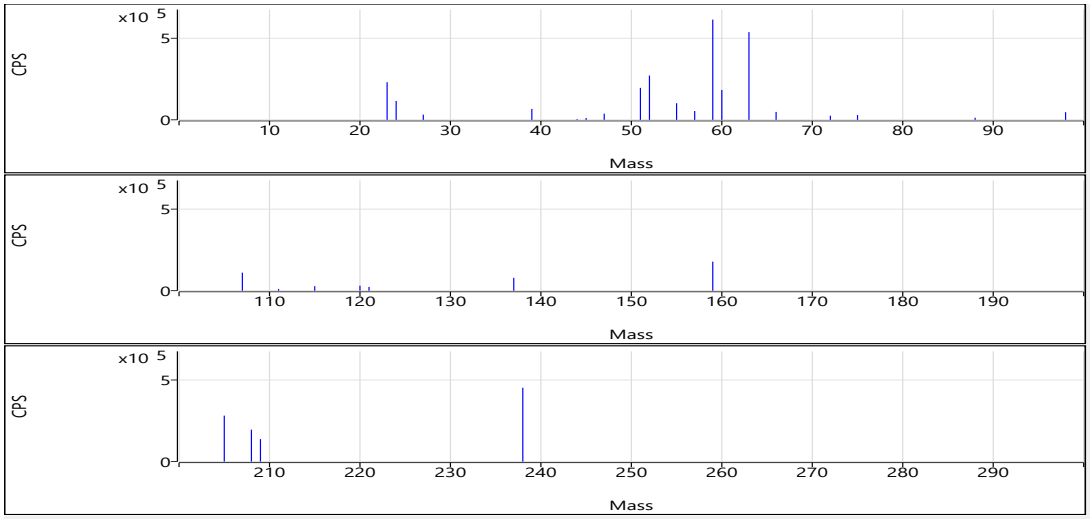


H2



Quantitation Report

He



Quantitation Report

Data File Name	128_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:21:48 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

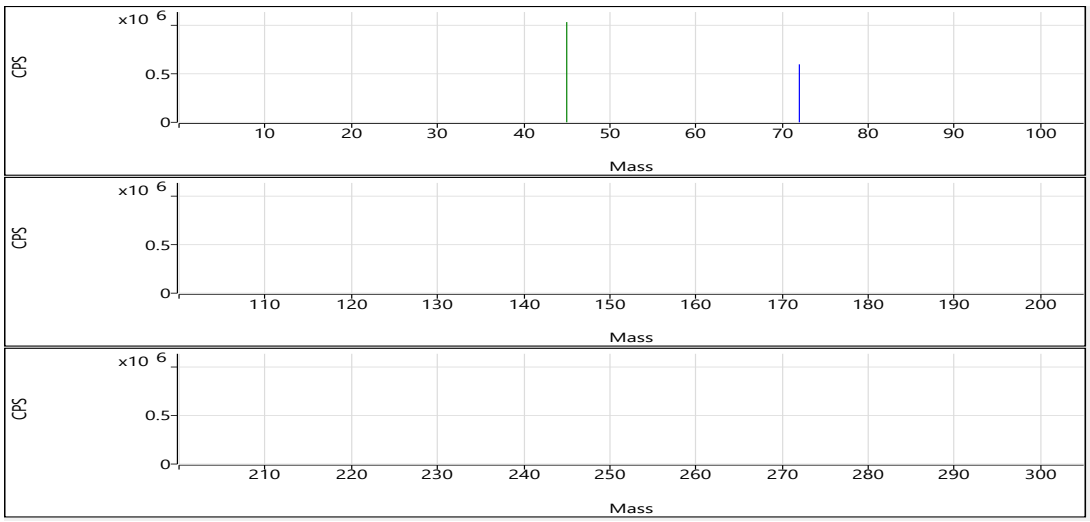
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.013	ug/L	87.0	32.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.032	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	14.310	ug/L	43.6	6335.00	0.2493	Pulse	0.1000	3
Mg	24	72	He	-1.426	ug/L	N/A	126.67	0.0050	Pulse	0.1000	3
Al	27	72	He	-3.633	ug/L	N/A	23.33	0.0009	Pulse	0.1000	3
K	39	72	He	14.980	ppb	56.2	2230.26	0.0878	Pulse	0.1000	3
Ca	44	72	He	37.873	ppb	142.5	56.67	0.0022	Pulse	0.1000	3
Ti	47	159	He	-0.003	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.069	ppb	106.4	144.67	0.0057	Pulse	0.5000	3
Cr	52	45	He	-0.045	ppb	N/A	476.69	0.0422	Pulse	0.1000	3
Mn	55	45	He	0.093	ppb	196.6	70.00	0.0062	Pulse	0.1000	3
Fe	57	72	He	3.519	ppb	72.4	130.01	0.0051	Pulse	0.1000	3
Co	59	72	He	-0.005	ppb	N/A	103.34	0.0041	Pulse	0.1000	3
Ni	60	72	He	0.070	ppb	130.3	180.01	0.0071	Pulse	0.1000	3
Cu	63	72	He	0.048	ppb	35.2	186.68	0.0073	Pulse	0.1000	3
Zn	66	72	He	-0.237	ppb	N/A	26.67	0.0011	Pulse	0.1000	3
As	75	45	He	0.040	ppb	284.2	12.67	0.0011	Pulse	0.5000	3
Sr	88	159	He	-0.220	ppb	N/A	303.35	0.0017	Pulse	0.1000	3
Mo	98	159	He	0.036	ppb	126.6	93.34	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.014	ppb	86.8	60.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	341.6	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.169	ppb	N/A	1776.86	0.0101	Pulse	0.1000	3
Sb	121	159	He	0.037	ppb	103.7	30.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.335	ppb	N/A	643.37	0.0037	Pulse	0.1000	3
Tl	205	159	He	-0.011	ppb	N/A	183.34	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.002	ppb	256.2	170.01	0.0010	Pulse	0.1000	3
U	238	209	He	0.004	ppb	75.8	203.34	0.0015	Pulse	0.1000	3

ISTD Table:

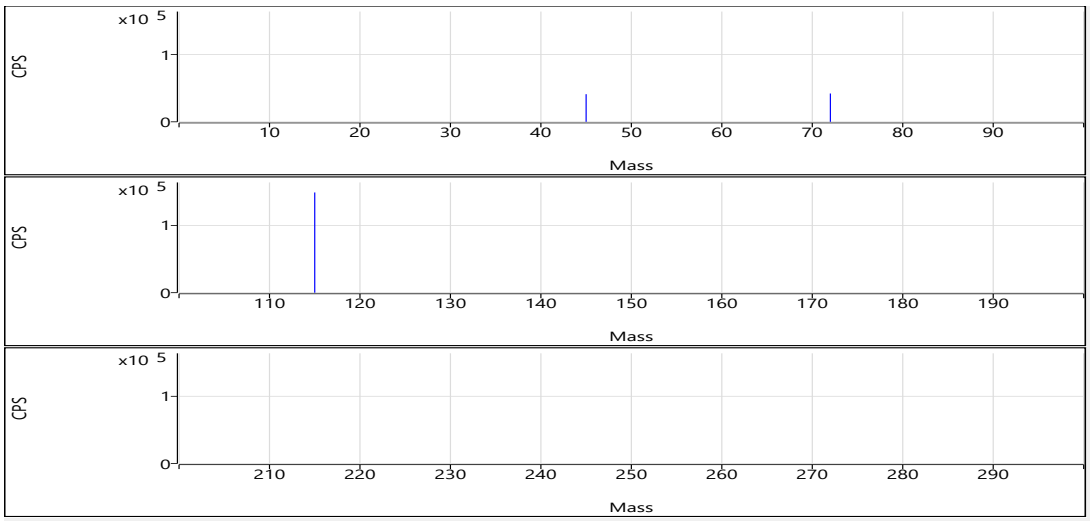
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033120.25	0.2	98.8	Analog	0.1000	3
No Gas	Ge	72	597557.56	1.2	99.4	Pulse	0.1000	3
H2	Sc	45	41084.05	5.1	97.2	Pulse	0.1000	3
H2	Ge	72	42111.51	1.2	96.0	Pulse	0.1000	3
H2	In	115	149063.32	1.0	98.9	Pulse	0.1000	3
He	Sc	45	11288.25	1.3	98.8	Pulse	0.1000	3
He	Ge	72	25410.65	1.1	100.3	Pulse	0.1000	3
He	In	115	27161.44	0.8	99.5	Pulse	0.1000	3
He	Tb	159	176036.61	0.9	99.8	Pulse	0.1000	3
He	Bi	209	135084.13	1.5	100.2	Pulse	0.1000	3

No Gas

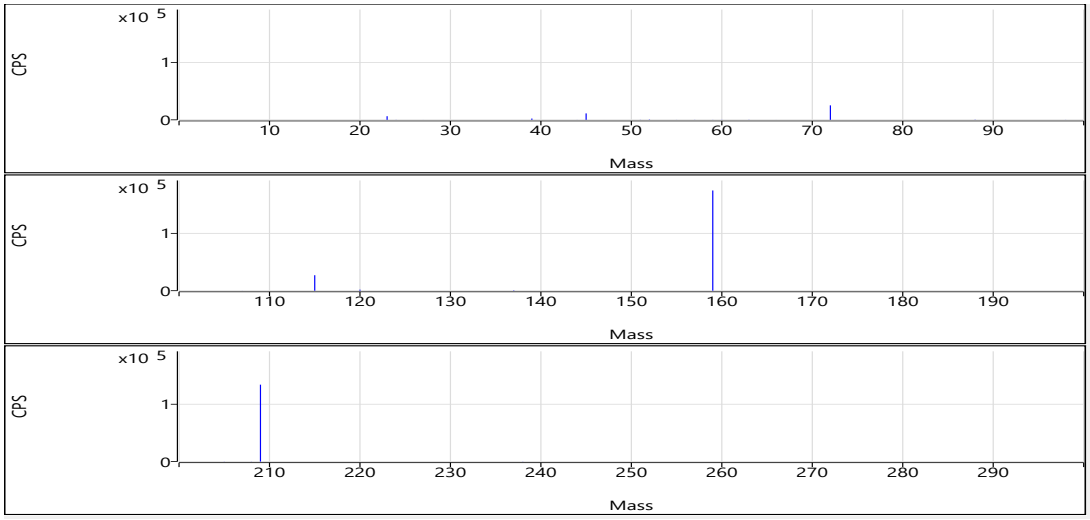


H2



Quantitation Report

He



Quantitation Report

Data File Name	130_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:25:50 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

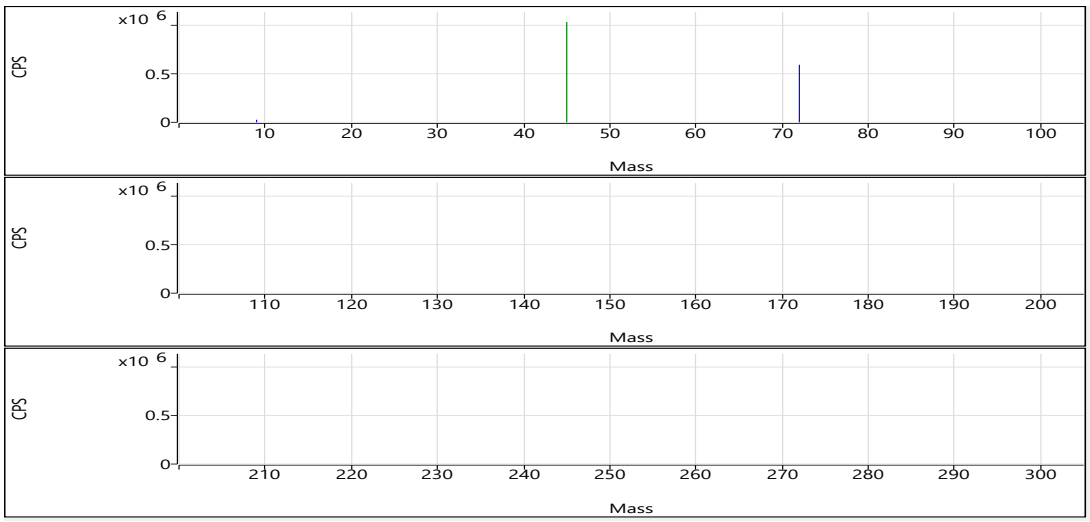
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.679	ug/L	2.1	25899.11	0.0250	Pulse	0.5000	3
Se	78	72	H2	49.874	ppb	1.9	1268.06	0.0302	Pulse	1.5000	3
Na	23	72	He	4912.440	ug/L	0.8	229117.74	9.1385	Pulse	0.1000	3
Mg	24	72	He	4825.858	ug/L	1.9	112788.11	4.4992	Pulse	0.1000	3
Al	27	72	He	4908.577	ug/L	3.4	31355.20	1.2509	Pulse	0.1000	3
K	39	72	He	4851.584	ppb	0.6	66191.69	2.6400	Pulse	0.1000	3
Ca	44	72	He	4764.449	ppb	6.2	4184.11	0.1669	Pulse	0.1000	3
Ti	47	159	He	5049.077	ppb	4.7	37173.00	0.2114	Pulse	0.1000	3
V	51	72	He	488.542	ppb	0.9	192507.70	7.6785	Pulse	0.5000	3
Cr	52	45	He	509.292	ppb	3.7	266556.42	23.7895	Pulse	0.1000	3
Mn	55	45	He	502.232	ppb	4.0	98497.69	8.7917	Pulse	0.1000	3
Fe	57	72	He	4818.082	ppb	0.5	53609.81	2.1381	Pulse	0.1000	3
Co	59	72	He	471.505	ppb	1.2	605323.42	24.1450	Pulse	0.1000	3
Ni	60	72	He	493.723	ppb	1.4	180923.73	7.2167	Pulse	0.1000	3
Cu	63	72	He	493.362	ppb	1.6	535598.05	21.3646	Pulse	0.1000	3
Zn	66	72	He	487.226	ppb	1.7	47418.25	1.8915	Pulse	0.1000	3
As	75	45	He	512.666	ppb	3.2	28945.43	2.5831	Pulse	0.5000	3
Sr	88	159	He	49.007	ppb	2.2	12129.06	0.0689	Pulse	0.1000	3
Mo	98	159	He	49.861	ppb	1.1	45955.06	0.2612	Pulse	0.1000	3
Ag	107	159	He	49.661	ppb	2.7	108830.50	0.6187	Pulse	0.1000	3
Cd	111	159	He	50.284	ppb	5.0	10567.50	0.0601	Pulse	0.5000	3
Sn	120	159	He	49.195	ppb	2.3	29596.66	0.1683	Pulse	0.1000	3
Sb	121	159	He	50.111	ppb	2.9	22729.85	0.1292	Pulse	0.1000	3
Ba	137	159	He	499.077	ppb	2.3	78950.67	0.4488	Pulse	0.1000	3
Tl	205	159	He	49.988	ppb	1.0	278551.71	1.5834	Pulse	0.1000	3
Pb	208	159	He	50.165	ppb	1.5	194732.59	1.1070	Pulse	0.1000	3
U	238	209	He	49.388	ppb	1.1	448726.45	3.2824	Pulse	0.1000	3

ISTD Table:

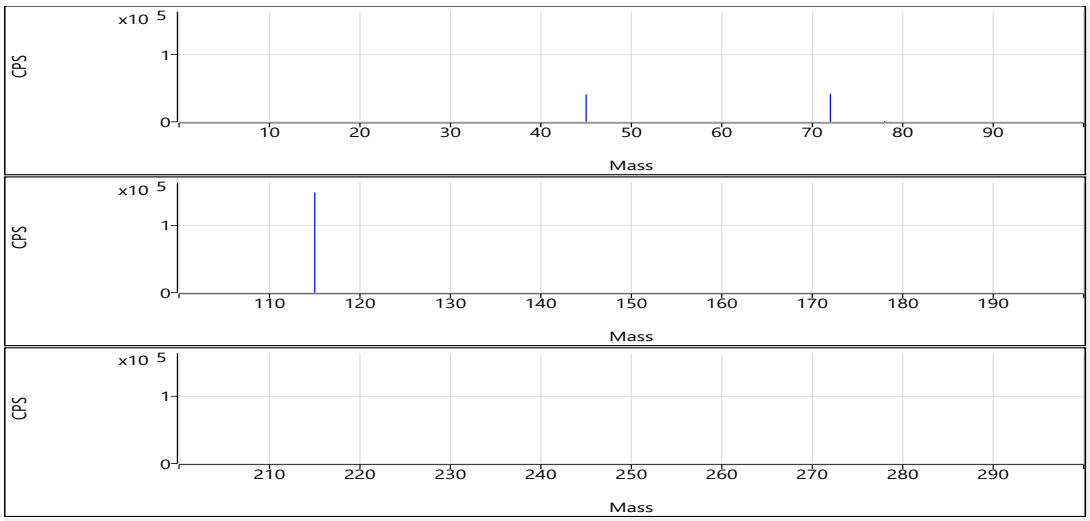
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033859.57	0.4	98.9	Analog	0.1000	3
No Gas	Ge	72	593287.28	0.2	98.7	Pulse	0.1000	3
H2	Sc	45	41020.62	1.3	97.1	Pulse	0.1000	3
H2	Ge	72	42051.10	2.3	95.9	Pulse	0.1000	3
H2	In	115	149696.37	1.3	99.3	Pulse	0.1000	3
He	Sc	45	11214.82	3.8	98.2	Pulse	0.1000	3
He	Ge	72	25073.25	1.5	99.0	Pulse	0.1000	3
He	In	115	27344.98	0.5	100.2	Pulse	0.1000	3
He	Tb	159	175939.15	1.5	99.7	Pulse	0.1000	3
He	Bi	209	136714.15	1.5	101.4	Pulse	0.1000	3

No Gas

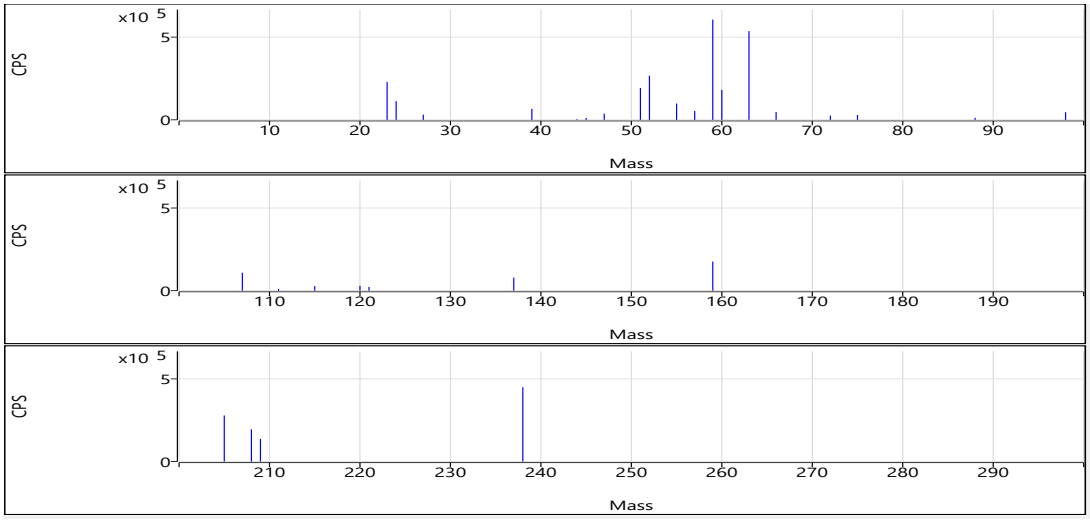


H2



Quantitation Report

He



Quantitation Report

Data File Name	132_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:29:51 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

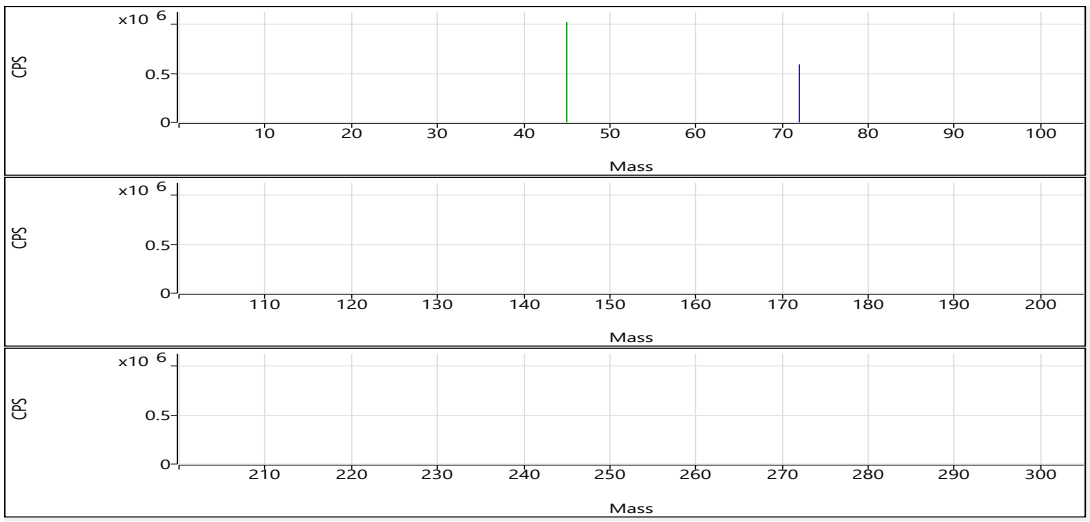
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.002	ug/L	190.0	26.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.022	ppb	N/A	1.56	0.0000	Pulse	1.5000	3
Na	23	72	He	6.251	ug/L	42.9	5811.37	0.2347	Pulse	0.1000	3
Mg	24	72	He	1.595	ug/L	75.6	193.34	0.0078	Pulse	0.1000	3
Al	27	72	He	-1.970	ug/L	N/A	33.33	0.0013	Pulse	0.1000	3
K	39	72	He	10.138	ppb	176.9	2113.56	0.0852	Pulse	0.1000	3
Ca	44	72	He	47.099	ppb	58.2	63.33	0.0026	Pulse	0.1000	3
Ti	47	159	He	0.458	ppb	2.7	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.059	ppb	120.6	137.33	0.0055	Pulse	0.5000	3
Cr	52	45	He	0.025	ppb	758.3	500.03	0.0455	Pulse	0.1000	3
Mn	55	45	He	-0.019	ppb	N/A	46.67	0.0042	Pulse	0.1000	3
Fe	57	72	He	1.071	ppb	295.5	100.00	0.0040	Pulse	0.1000	3
Co	59	72	He	0.005	ppb	123.9	113.34	0.0046	Pulse	0.1000	3
Ni	60	72	He	-0.008	ppb	N/A	146.67	0.0059	Pulse	0.1000	3
Cu	63	72	He	0.009	ppb	164.3	140.01	0.0056	Pulse	0.1000	3
Zn	66	72	He	0.013	ppb	837.9	50.00	0.0020	Pulse	0.1000	3
As	75	45	He	-0.002	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	-0.589	ppb	N/A	213.34	0.0012	Pulse	0.1000	3
Mo	98	159	He	0.000	ppb	4039.7	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.006	ppb	155.0	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.010	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.034	ppb	334.8	1886.88	0.0107	Pulse	0.1000	3
Sb	121	159	He	0.037	ppb	158.2	30.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.664	ppb	N/A	590.04	0.0034	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	230.01	0.0013	Pulse	0.1000	3
Pb	208	159	He	-0.007	ppb	N/A	136.67	0.0008	Pulse	0.1000	3
U	238	209	He	0.000	ppb	2293.7	173.34	0.0013	Pulse	0.1000	3

ISTD Table:

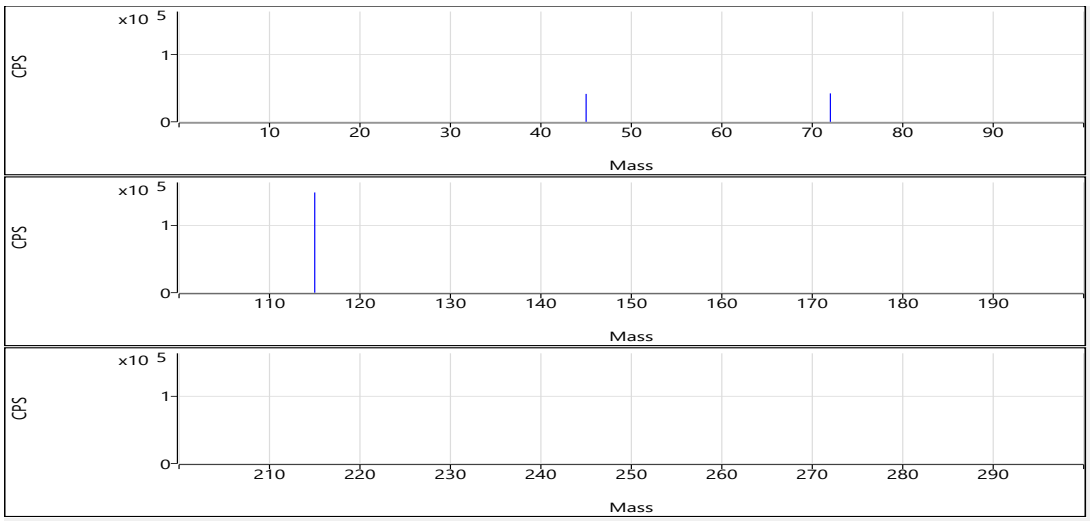
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1024201.50	0.1	98.0	Analog	0.1000	3
No Gas	Ge	72	592411.49	0.1	98.5	Pulse	0.1000	3
H2	Sc	45	41224.20	0.4	97.5	Pulse	0.1000	3
H2	Ge	72	41964.09	1.9	95.7	Pulse	0.1000	3
H2	In	115	147993.86	0.2	98.2	Pulse	0.1000	3
He	Sc	45	11004.69	2.5	96.3	Pulse	0.1000	3
He	Ge	72	24769.38	1.8	97.8	Pulse	0.1000	3
He	In	115	26817.27	1.3	98.2	Pulse	0.1000	3
He	Tb	159	175547.82	0.9	99.5	Pulse	0.1000	3
He	Bi	209	135958.78	1.4	100.8	Pulse	0.1000	3

No Gas

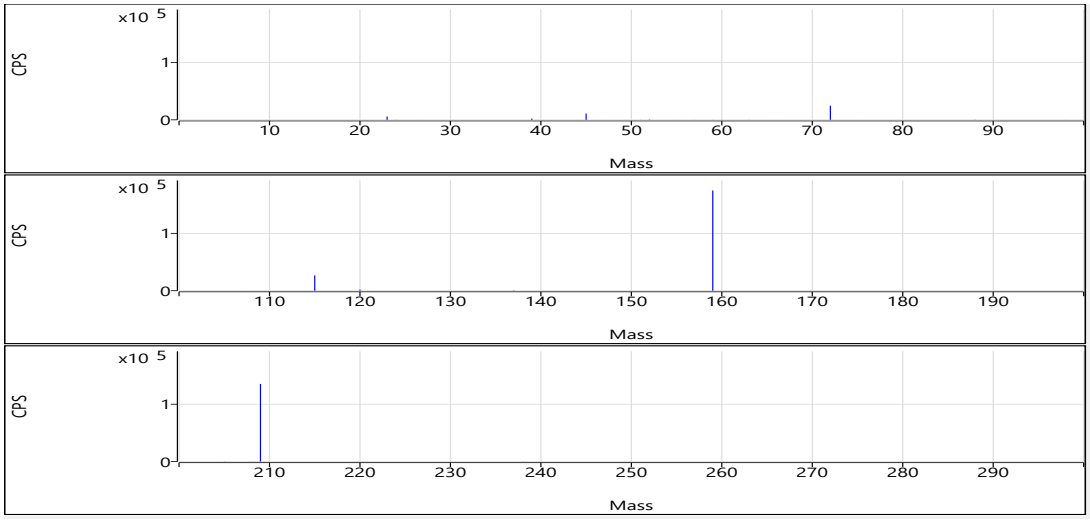


H2



Quantitation Report

He



Quantitation Report

Data File Name	133SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:31:51 PM
Sample Name	410-235921-R-13-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

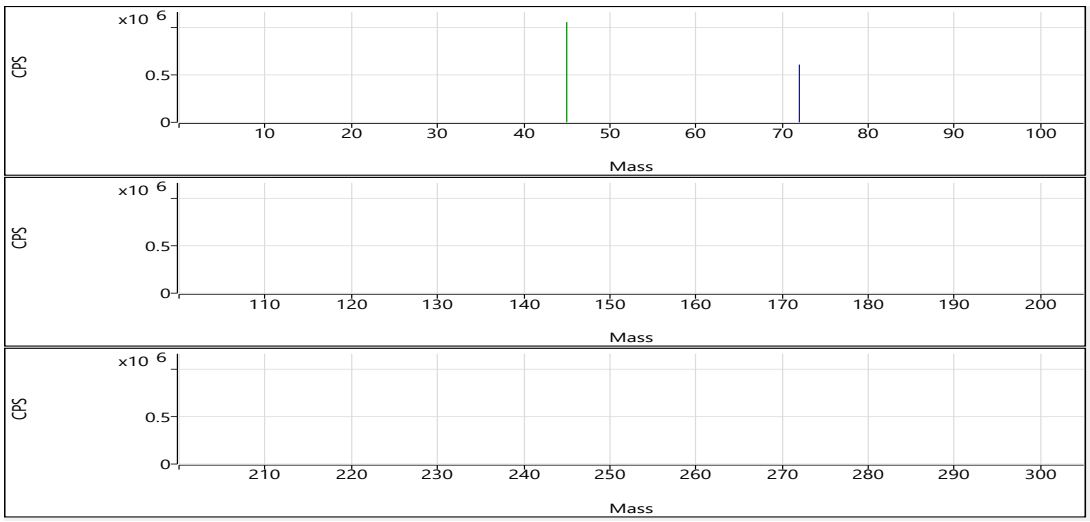
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.372	ug/L	13.5	224.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.387	ppb	29.2	12.44	0.0003	Pulse	1.5000	3
Na	23	72	He	11996.690	ug/L	1.0	563715.58	21.9952	Pulse	0.1000	3
Mg	24	72	He	10552.018	ug/L	2.1	251914.98	9.8303	Pulse	0.1000	3
Al	27	72	He	2132.171	ug/L	0.8	13954.10	0.5444	Pulse	0.1000	3
K	39	72	He	3350.554	ppb	1.4	47363.25	1.8479	Pulse	0.1000	3
Ca	44	72	He	21678.230	ppb	0.8	19383.79	0.7563	Pulse	0.1000	3
Ti	47	159	He	88.262	ppb	6.3	656.71	0.0037	Pulse	0.1000	3
V	51	72	He	2.662	ppb	5.8	1189.40	0.0464	Pulse	0.5000	3
Cr	52	45	He	5.152	ppb	3.5	3233.83	0.2845	Pulse	0.1000	3
Mn	55	45	He	101.327	ppb	1.7	20204.97	1.7774	Pulse	0.1000	3
Fe	57	72	He	1797.706	ppb	3.1	20508.97	0.8000	Pulse	0.1000	3
Co	59	72	He	1.455	ppb	4.7	2020.22	0.0788	Pulse	0.1000	3
Ni	60	72	He	7.212	ppb	4.1	2853.73	0.1114	Pulse	0.1000	3
Cu	63	72	He	28.452	ppb	0.9	31706.69	1.2370	Pulse	0.1000	3
Zn	66	72	He	155.210	ppb	2.4	15475.83	0.6039	Pulse	0.1000	3
As	75	45	He	0.213	ppb	23.7	22.67	0.0020	Pulse	0.5000	3
Sr	88	159	He	208.580	ppb	1.9	50486.72	0.2869	Pulse	0.1000	3
Mo	98	159	He	0.072	ppb	47.9	126.67	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.046	ppb	34.6	130.01	0.0007	Pulse	0.1000	3
Cd	111	159	He	0.203	ppb	33.2	46.00	0.0003	Pulse	0.5000	3
Sn	120	159	He	-0.560	ppb	N/A	1556.83	0.0088	Pulse	0.1000	3
Sb	121	159	He	0.088	ppb	51.7	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	113.473	ppb	1.1	18616.95	0.1058	Pulse	0.1000	3
Tl	205	159	He	0.042	ppb	41.0	476.70	0.0027	Pulse	0.1000	3
Pb	208	159	He	8.210	ppb	3.3	32014.38	0.1819	Pulse	0.1000	3
U	238	209	He	0.095	ppb	10.9	1026.76	0.0075	Pulse	0.1000	3

ISTD Table:

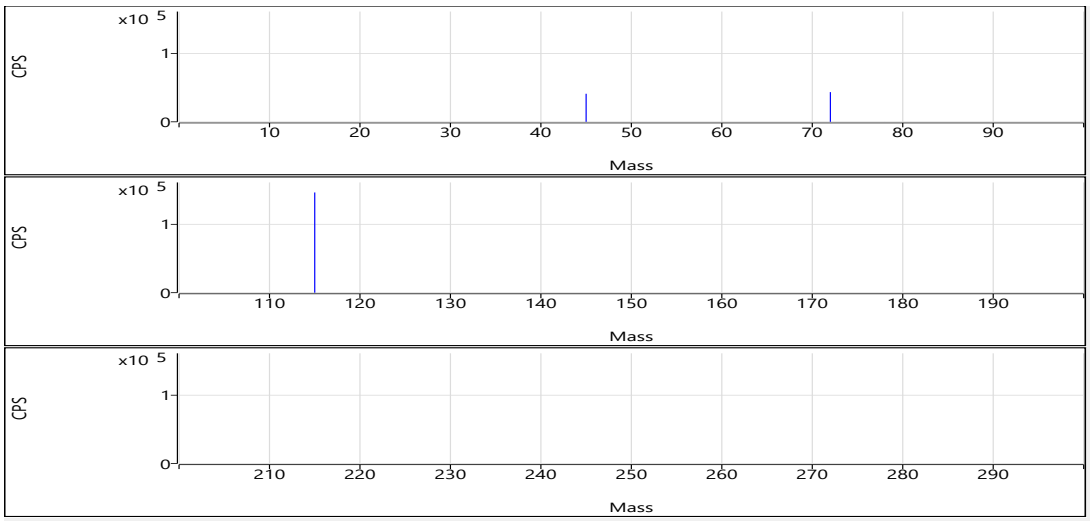
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1058300.58	0.7	101.2	Analog	0.1000	3
No Gas	Ge	72	609364.92	0.9	101.3	Pulse	0.1000	3
H2	Sc	45	41244.38	1.5	97.6	Pulse	0.1000	3
H2	Ge	72	43659.44	1.4	99.5	Pulse	0.1000	3
H2	In	115	147356.78	1.3	97.8	Pulse	0.1000	3
He	Sc	45	11371.70	3.3	99.6	Pulse	0.1000	3
He	Ge	72	25630.93	1.2	101.2	Pulse	0.1000	3
He	In	115	27441.93	2.3	100.5	Pulse	0.1000	3
He	Tb	159	175986.44	0.5	99.8	Pulse	0.1000	3
He	Bi	209	136034.03	1.0	100.9	Pulse	0.1000	3

No Gas

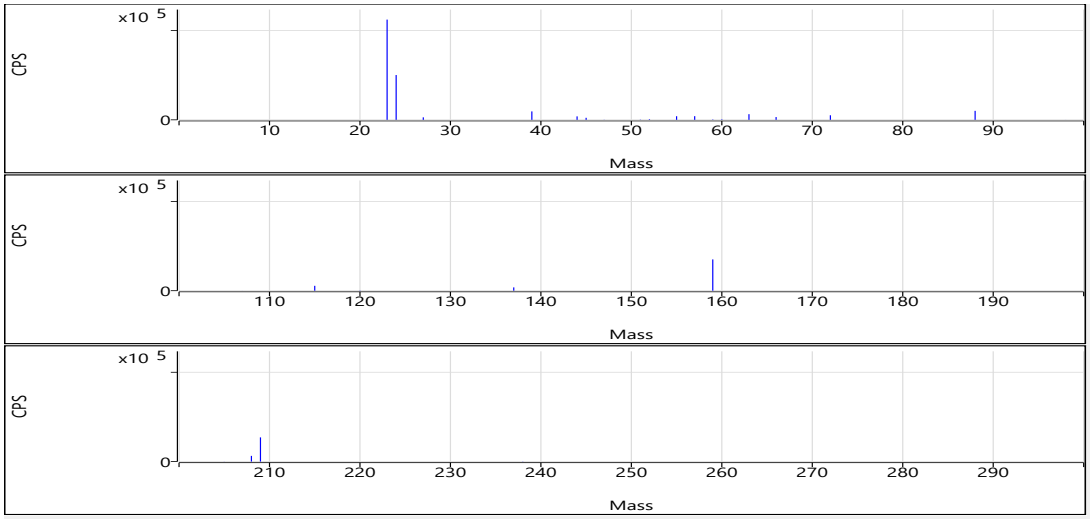


H2



Quantitation Report

He



Quantitation Report

Data File Name	134SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:33:50 PM
Sample Name	410-235921-U-13-A DU
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

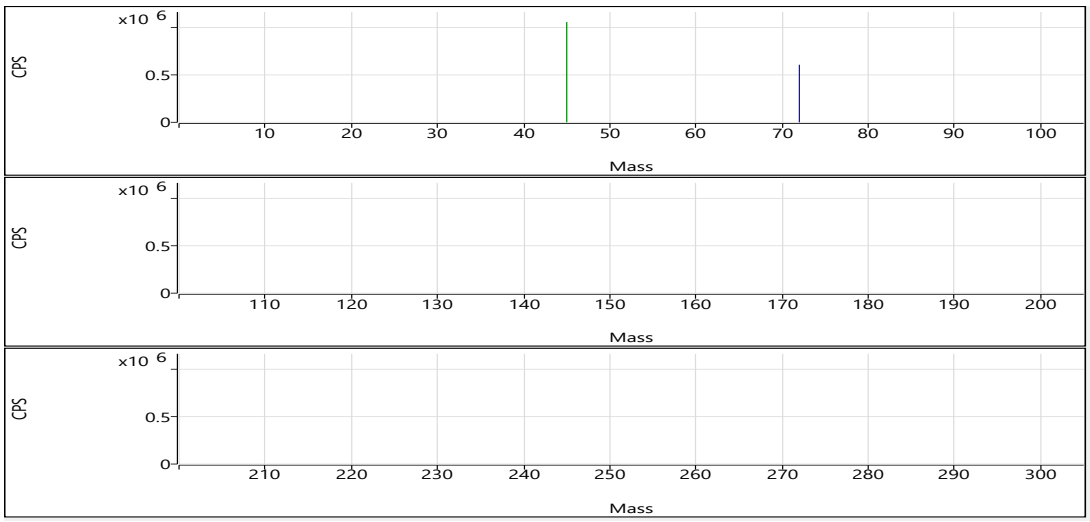
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.330	ug/L	8.7	202.00	0.0002	Pulse	0.5000	3
Se	78	72	H2	0.473	ppb	19.5	14.89	0.0003	Pulse	1.5000	3
Na	23	72	He	12196.086	ug/L	0.7	564737.38	22.3571	Pulse	0.1000	3
Mg	24	72	He	10817.410	ug/L	1.0	254552.04	10.0773	Pulse	0.1000	3
Al	27	72	He	2142.028	ug/L	6.5	13812.45	0.5469	Pulse	0.1000	3
K	39	72	He	3403.372	ppb	0.9	47383.20	1.8758	Pulse	0.1000	3
Ca	44	72	He	22291.191	ppb	2.1	19644.30	0.7777	Pulse	0.1000	3
Ti	47	159	He	104.356	ppb	6.8	780.07	0.0044	Pulse	0.1000	3
V	51	72	He	2.427	ppb	3.0	1079.38	0.0427	Pulse	0.5000	3
Cr	52	45	He	4.834	ppb	14.1	3047.09	0.2697	Pulse	0.1000	3
Mn	55	45	He	106.837	ppb	1.1	21189.91	1.8738	Pulse	0.1000	3
Fe	57	72	He	1741.838	ppb	2.8	19581.01	0.7752	Pulse	0.1000	3
Co	59	72	He	1.642	ppb	4.2	2233.58	0.0884	Pulse	0.1000	3
Ni	60	72	He	7.150	ppb	3.0	2790.39	0.1105	Pulse	0.1000	3
Cu	63	72	He	28.957	ppb	1.1	31800.43	1.2589	Pulse	0.1000	3
Zn	66	72	He	162.389	ppb	3.4	15956.36	0.6317	Pulse	0.1000	3
As	75	45	He	0.133	ppb	70.2	18.00	0.0016	Pulse	0.5000	3
Sr	88	159	He	206.705	ppb	1.3	50353.13	0.2843	Pulse	0.1000	3
Mo	98	159	He	0.093	ppb	56.0	146.67	0.0008	Pulse	0.1000	3
Ag	107	159	He	0.035	ppb	28.3	106.67	0.0006	Pulse	0.1000	3
Cd	111	159	He	0.258	ppb	39.9	58.00	0.0003	Pulse	0.5000	3
Sn	120	159	He	-0.319	ppb	N/A	1703.51	0.0096	Pulse	0.1000	3
Sb	121	159	He	0.088	ppb	30.1	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	113.780	ppb	6.3	18780.55	0.1061	Pulse	0.1000	3
Tl	205	159	He	0.025	ppb	33.9	386.69	0.0022	Pulse	0.1000	3
Pb	208	159	He	8.349	ppb	0.2	32770.02	0.1850	Pulse	0.1000	3
U	238	209	He	0.085	ppb	11.7	940.07	0.0069	Pulse	0.1000	3

ISTD Table:

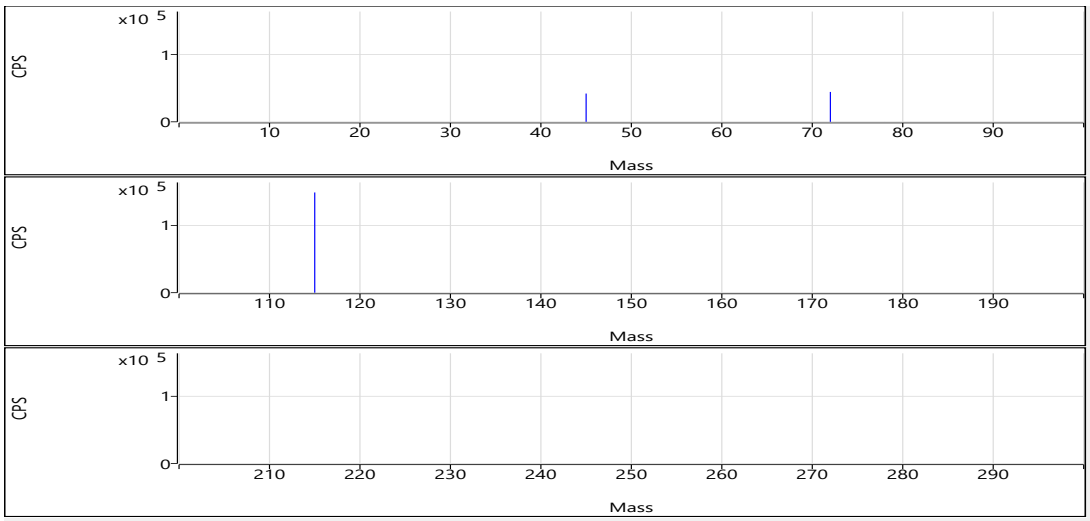
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1056028.11	0.4	101.0	Analog	0.1000	3
No Gas	Ge	72	606411.94	0.2	100.8	Pulse	0.1000	3
H2	Sc	45	41926.24	1.5	99.2	Pulse	0.1000	3
H2	Ge	72	44338.43	1.8	101.1	Pulse	0.1000	3
H2	In	115	148711.28	1.2	98.7	Pulse	0.1000	3
He	Sc	45	11308.21	1.0	99.0	Pulse	0.1000	3
He	Ge	72	25260.44	0.5	99.7	Pulse	0.1000	3
He	In	115	27164.82	3.9	99.5	Pulse	0.1000	3
He	Tb	159	177124.90	1.1	100.4	Pulse	0.1000	3
He	Bi	209	135514.68	1.1	100.5	Pulse	0.1000	3

No Gas

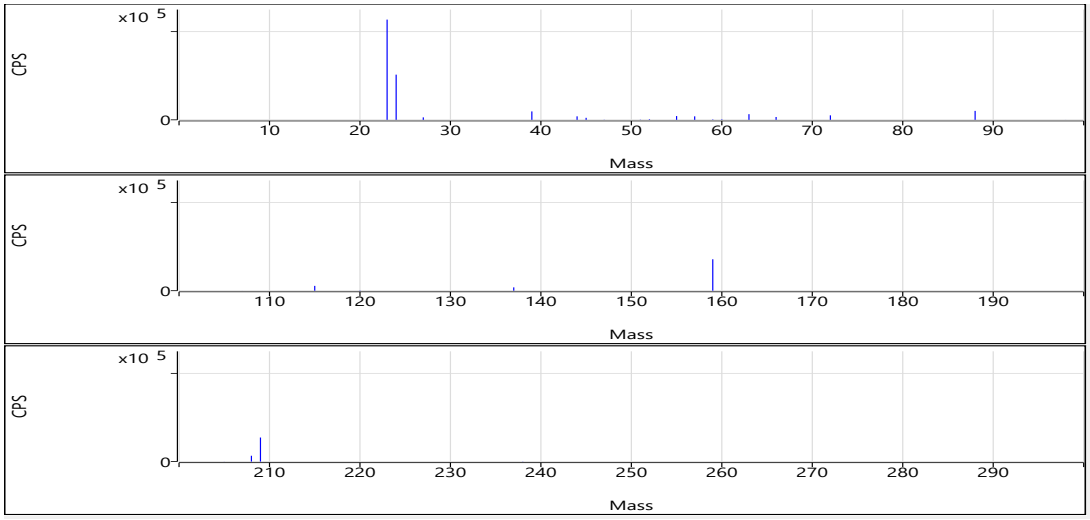


H2



Quantitation Report

He



Quantitation Report

Data File Name	135SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:35:51 PM
Sample Name	410-235921-S-13-A MS
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

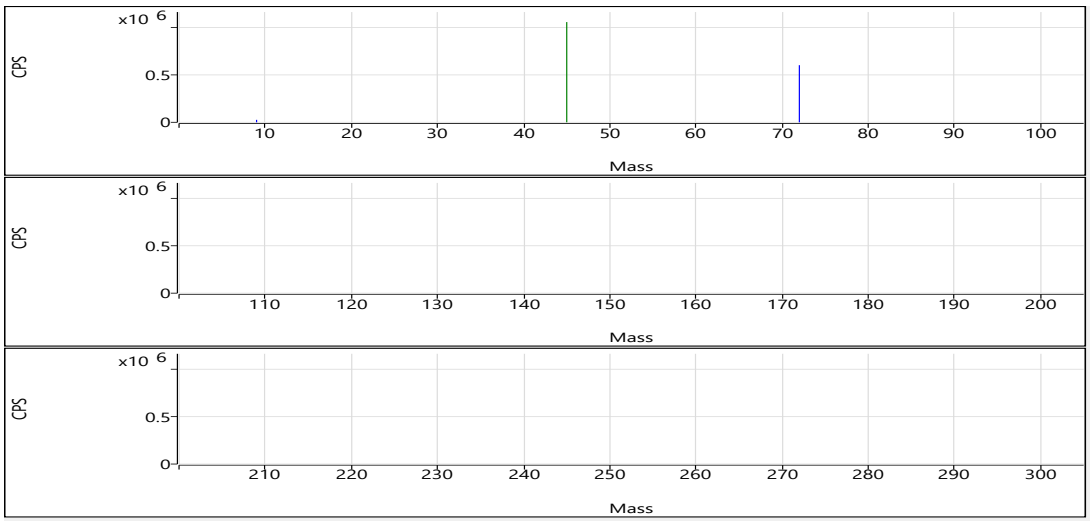
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.483	ug/L	0.9	25802.27	0.0244	Pulse	0.5000	3
Se	78	72	H2	98.194	ppb	1.3	2538.02	0.0593	Pulse	1.5000	3
Na	23	72	He	17962.938	ug/L	1.4	805921.24	32.8229	Analog	0.1000	3
Mg	24	72	He	15897.372	ug/L	1.2	363564.15	14.8068	Pulse	0.1000	3
Al	27	72	He	10513.304	ug/L	1.1	65734.90	2.6771	Pulse	0.1000	3
K	39	72	He	8472.166	ppb	2.2	111728.43	4.5505	Pulse	0.1000	3
Ca	44	72	He	27511.326	ppb	4.2	23560.38	0.9596	Pulse	0.1000	3
Ti	47	159	He	564.439	ppb	8.6	4190.78	0.0237	Pulse	0.1000	3
V	51	72	He	490.899	ppb	1.5	189442.81	7.7155	Pulse	0.5000	3
Cr	52	45	He	489.964	ppb	1.7	261770.32	22.8883	Pulse	0.1000	3
Mn	55	45	He	583.237	ppb	2.1	116749.58	10.2089	Pulse	0.1000	3
Fe	57	72	He	6781.549	ppb	1.8	73854.64	3.0079	Pulse	0.1000	3
Co	59	72	He	469.687	ppb	1.2	590569.32	24.0519	Pulse	0.1000	3
Ni	60	72	He	498.216	ppb	0.9	178813.51	7.2823	Pulse	0.1000	3
Cu	63	72	He	518.934	ppb	1.0	551776.23	22.4717	Pulse	0.1000	3
Zn	66	72	He	670.335	ppb	1.0	63883.51	2.6016	Pulse	0.1000	3
As	75	45	He	501.365	ppb	1.1	28893.34	2.5262	Pulse	0.5000	3
Sr	88	159	He	258.182	ppb	2.8	62830.63	0.3546	Pulse	0.1000	3
Mo	98	159	He	48.791	ppb	2.5	45296.09	0.2556	Pulse	0.1000	3
Ag	107	159	He	49.083	ppb	2.9	108354.06	0.6115	Pulse	0.1000	3
Cd	111	159	He	49.446	ppb	2.6	10471.42	0.0591	Pulse	0.5000	3
Sn	120	159	He	96.754	ppb	1.2	56820.62	0.3206	Pulse	0.1000	3
Sb	121	159	He	97.934	ppb	1.7	44738.56	0.2525	Pulse	0.1000	3
Ba	137	159	He	602.127	ppb	1.6	95782.86	0.5405	Pulse	0.1000	3
Tl	205	159	He	97.611	ppb	1.3	547701.63	3.0905	Pulse	0.1000	3
Pb	208	159	He	57.535	ppb	1.8	224975.81	1.2695	Pulse	0.1000	3
U	238	209	He	49.165	ppb	1.0	444350.23	3.2675	Pulse	0.1000	3

ISTD Table:

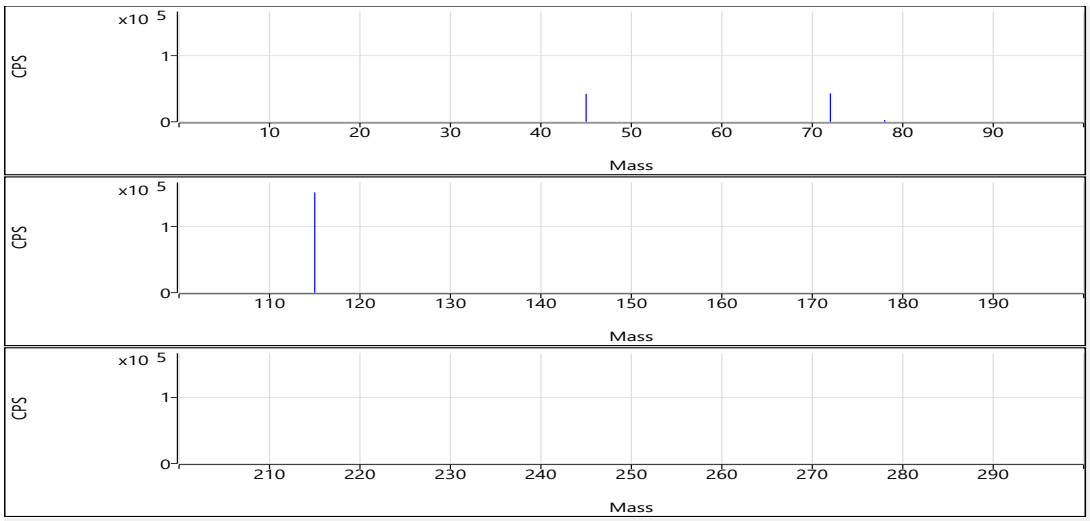
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1055473.06	1.0	101.0	Analog	0.1000	3
No Gas	Ge	72	601392.62	0.9	100.0	Pulse	0.1000	3
H2	Sc	45	42080.16	1.7	99.6	Pulse	0.1000	3
H2	Ge	72	42783.64	2.9	97.5	Pulse	0.1000	3
H2	In	115	150933.99	1.6	100.2	Pulse	0.1000	3
He	Sc	45	11438.39	1.4	100.1	Pulse	0.1000	3
He	Ge	72	24555.83	1.0	96.9	Pulse	0.1000	3
He	In	115	27004.46	1.9	98.9	Pulse	0.1000	3
He	Tb	159	177231.95	1.3	100.5	Pulse	0.1000	3
He	Bi	209	135990.02	1.6	100.8	Pulse	0.1000	3

No Gas

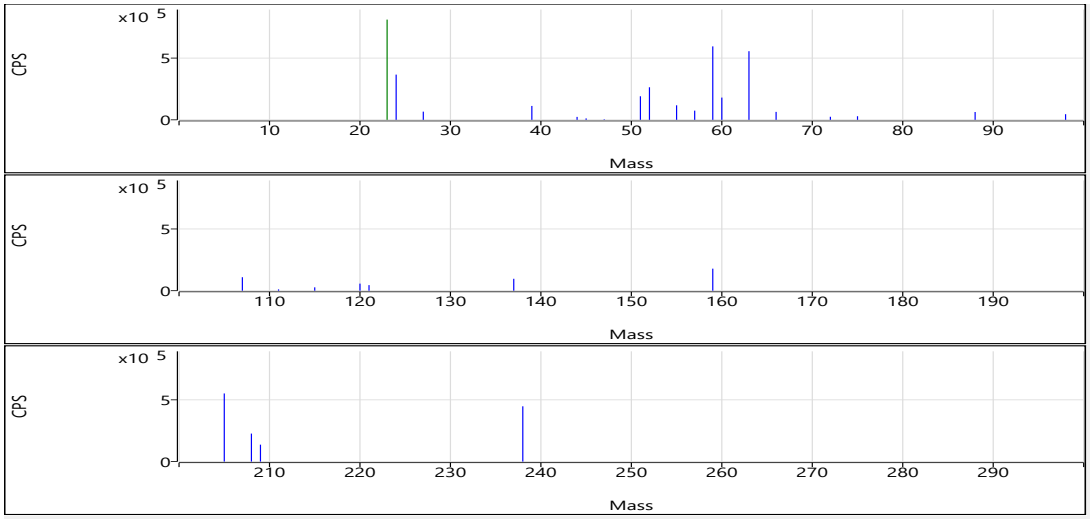


H2



Quantitation Report

He



Quantitation Report

Data File Name	136SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:37:51 PM
Sample Name	410-235921-T-13-A MSD
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

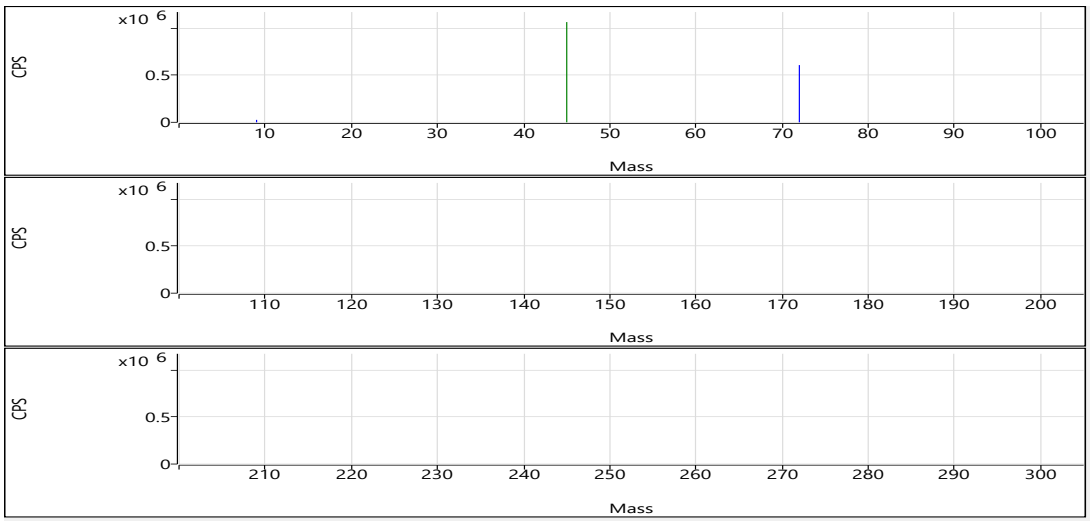
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.986	ug/L	2.1	25789.55	0.0242	Pulse	0.5000	3
Se	78	72	H2	98.647	ppb	4.3	2566.47	0.0596	Pulse	1.5000	3
Na	23	72	He	17380.467	ug/L	1.4	807307.46	31.7658	Analog	0.1000	3
Mg	24	72	He	15540.155	ug/L	1.4	367852.53	14.4742	Pulse	0.1000	3
Al	27	72	He	10580.622	ug/L	3.0	68464.30	2.6942	Pulse	0.1000	3
K	39	72	He	8235.513	ppb	1.9	112490.75	4.4257	Pulse	0.1000	3
Ca	44	72	He	26878.691	ppb	2.7	23827.37	0.9375	Pulse	0.1000	3
Ti	47	159	He	594.667	ppb	6.3	4390.83	0.0249	Pulse	0.1000	3
V	51	72	He	473.137	ppb	1.3	188997.66	7.4365	Pulse	0.5000	3
Cr	52	45	He	484.215	ppb	1.5	263430.62	22.6203	Pulse	0.1000	3
Mn	55	45	He	578.836	ppb	3.5	117955.90	10.1319	Pulse	0.1000	3
Fe	57	72	He	6799.334	ppb	2.5	76636.60	3.0158	Pulse	0.1000	3
Co	59	72	He	450.350	ppb	1.5	586098.10	23.0619	Pulse	0.1000	3
Ni	60	72	He	477.913	ppb	1.7	177538.76	6.9858	Pulse	0.1000	3
Cu	63	72	He	500.700	ppb	1.8	551014.57	21.6823	Pulse	0.1000	3
Zn	66	72	He	630.095	ppb	2.6	62152.65	2.4456	Pulse	0.1000	3
As	75	45	He	494.925	ppb	1.6	29040.95	2.4937	Pulse	0.5000	3
Sr	88	159	He	261.435	ppb	1.4	63219.13	0.3590	Pulse	0.1000	3
Mo	98	159	He	49.301	ppb	1.6	45480.28	0.2583	Pulse	0.1000	3
Ag	107	159	He	49.381	ppb	1.9	108319.70	0.6152	Pulse	0.1000	3
Cd	111	159	He	49.495	ppb	1.5	10414.71	0.0592	Pulse	0.5000	3
Sn	120	159	He	99.179	ppb	0.7	57825.40	0.3284	Pulse	0.1000	3
Sb	121	159	He	97.737	ppb	2.0	44367.28	0.2520	Pulse	0.1000	3
Ba	137	159	He	613.183	ppb	1.1	96901.08	0.5503	Pulse	0.1000	3
Tl	205	159	He	98.231	ppb	1.6	547617.71	3.1102	Pulse	0.1000	3
Pb	208	159	He	58.015	ppb	2.2	225391.32	1.2801	Pulse	0.1000	3
U	238	209	He	49.437	ppb	1.5	446370.56	3.2856	Pulse	0.1000	3

ISTD Table:

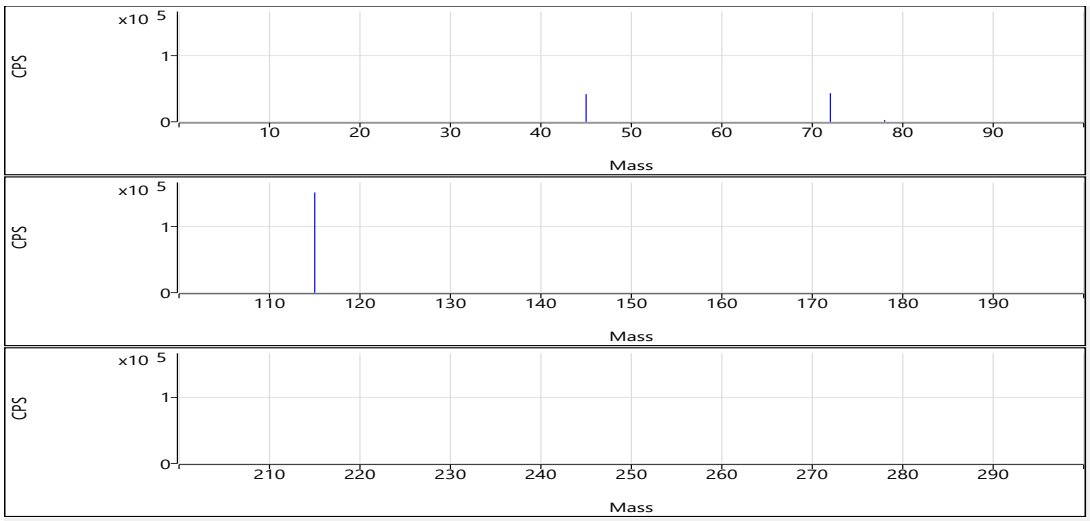
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1065974.36	1.1	102.0	Analog	0.1000	3
No Gas	Ge	72	608439.35	1.0	101.2	Pulse	0.1000	3
H2	Sc	45	41689.05	1.9	98.6	Pulse	0.1000	3
H2	Ge	72	43054.41	0.5	98.1	Pulse	0.1000	3
H2	In	115	150927.14	2.0	100.2	Pulse	0.1000	3
He	Sc	45	11648.50	2.5	102.0	Pulse	0.1000	3
He	Ge	72	25417.29	1.4	100.3	Pulse	0.1000	3
He	In	115	27214.81	0.5	99.7	Pulse	0.1000	3
He	Tb	159	176079.96	0.8	99.8	Pulse	0.1000	3
He	Bi	209	135882.05	2.4	100.8	Pulse	0.1000	3

No Gas

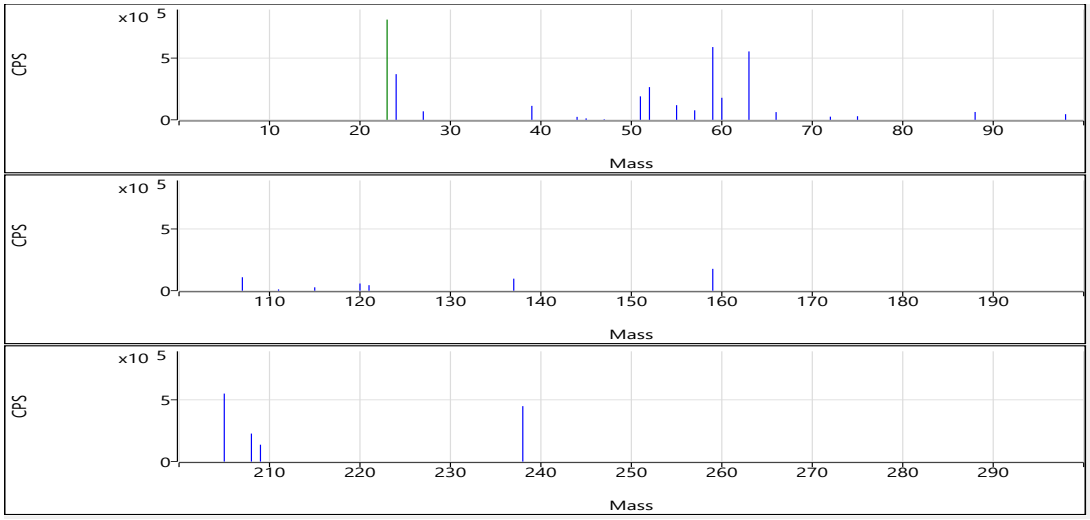


H2



Quantitation Report

He



Quantitation Report

Data File Name	137SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:39:51 PM
Sample Name	410-235925-I-5-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

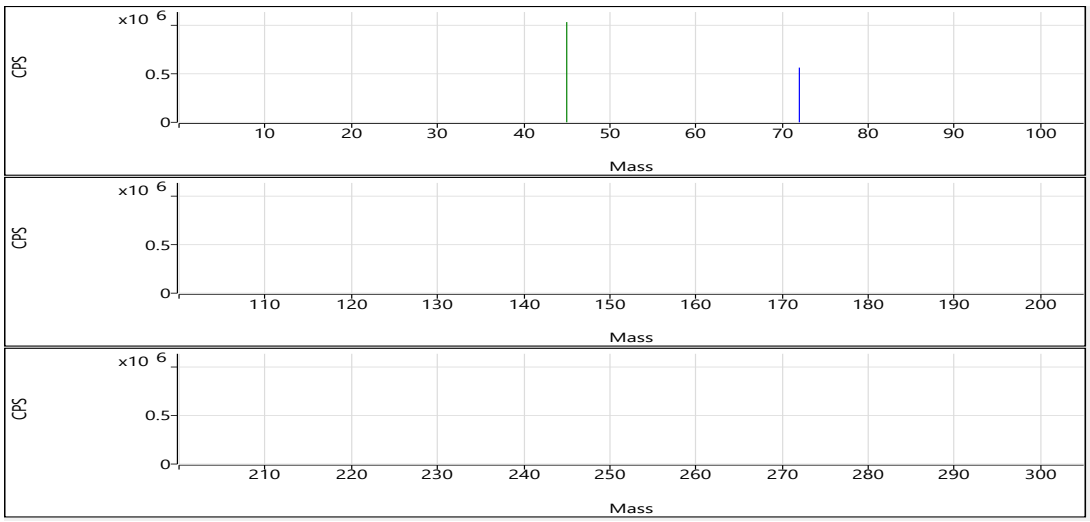
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.064	ug/L	22.5	59.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	9.424	ppb	4.8	233.34	0.0057	Pulse	1.5000	3
Na	23	72	He	1040971.315	ug/L	1.6	43335894.35	1,889.4016	Analog	0.1000	3
Mg	24	72	He	139831.833	ug/L	2.0	2985965.79	130.1901	Analog	0.1000	3
Al	27	72	He	397.048	ug/L	6.3	2360.29	0.1029	Pulse	0.1000	3
K	39	72	He	178590.520	ppb	2.0	2163316.16	94.3196	Analog	0.1000	3
Ca	44	72	He	180181.802	ppb	2.9	144021.76	6.2795	Pulse	0.1000	3
Ti	47	159	He	22.008	ppb	8.9	163.34	0.0010	Pulse	0.1000	3
V	51	72	He	1.202	ppb	11.8	538.68	0.0235	Pulse	0.5000	3
Cr	52	45	He	5.500	ppb	4.4	3260.49	0.3007	Pulse	0.1000	3
Mn	55	45	He	6708.180	ppb	0.8	1273112.43	117.3713	Analog	0.1000	3
Fe	57	72	He	1039.013	ppb	4.9	10637.72	0.4639	Pulse	0.1000	3
Co	59	72	He	22.726	ppb	2.9	26783.01	1.1679	Pulse	0.1000	3
Ni	60	72	He	166.022	ppb	3.3	55748.30	2.4307	Pulse	0.1000	3
Cu	63	72	He	29.089	ppb	3.7	29000.92	1.2646	Pulse	0.1000	3
Zn	66	72	He	19.817	ppb	7.4	1806.85	0.0788	Pulse	0.1000	3
As	75	45	He	3.696	ppb	4.1	212.00	0.0195	Pulse	0.5000	3
Sr	88	159	He	689.579	ppb	1.9	160666.68	0.9437	Pulse	0.1000	3
Mo	98	159	He	0.391	ppb	15.4	406.69	0.0024	Pulse	0.1000	3
Ag	107	159	He	0.070	ppb	44.7	176.67	0.0010	Pulse	0.1000	3
Cd	111	159	He	0.177	ppb	30.6	39.33	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.333	ppb	N/A	1630.17	0.0096	Pulse	0.1000	3
Sb	121	159	He	0.442	ppb	22.2	206.68	0.0012	Pulse	0.1000	3
Ba	137	159	He	106.304	ppb	1.4	16924.66	0.0994	Pulse	0.1000	3
Tl	205	159	He	0.459	ppb	2.3	2707.06	0.0159	Pulse	0.1000	3
Pb	208	159	He	1.453	ppb	1.9	5611.47	0.0330	Pulse	0.1000	3
U	238	209	He	7.965	ppb	0.8	63923.61	0.5304	Pulse	0.1000	3

ISTD Table:

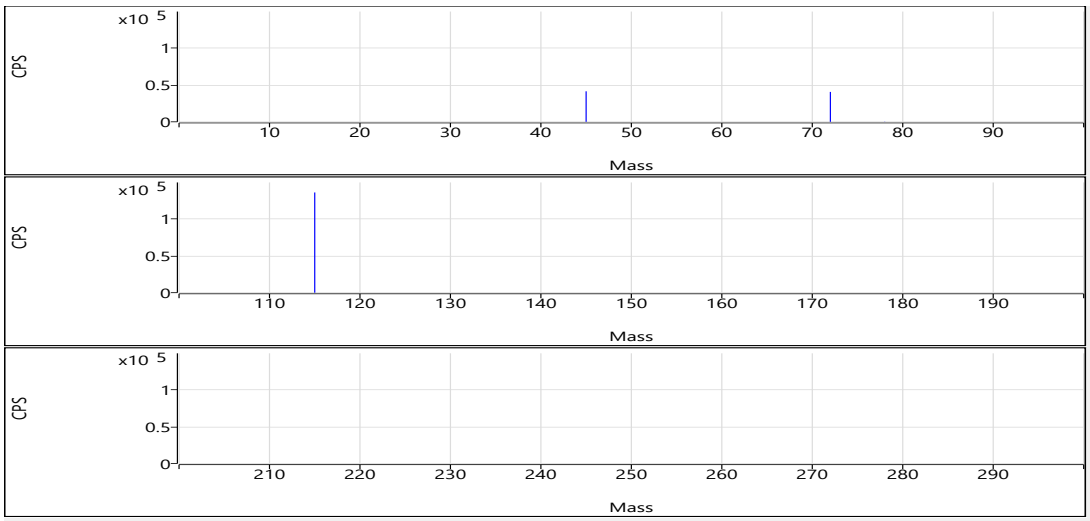
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1037087.93	0.5	99.2	Analog	0.1000	3
No Gas	Ge	72	565771.78	0.3	94.1	Pulse	0.1000	3
H2	Sc	45	41458.36	2.6	98.1	Pulse	0.1000	3
H2	Ge	72	40627.13	1.4	92.6	Pulse	0.1000	3
H2	In	115	136175.27	1.3	90.4	Pulse	0.1000	3
He	Sc	45	10847.84	2.1	95.0	Pulse	0.1000	3
He	Ge	72	22939.71	1.6	90.6	Pulse	0.1000	3
He	In	115	24917.09	1.4	91.3	Pulse	0.1000	3
He	Tb	159	170251.66	0.8	96.5	Pulse	0.1000	3
He	Bi	209	120516.64	0.4	89.4	Pulse	0.1000	3

No Gas

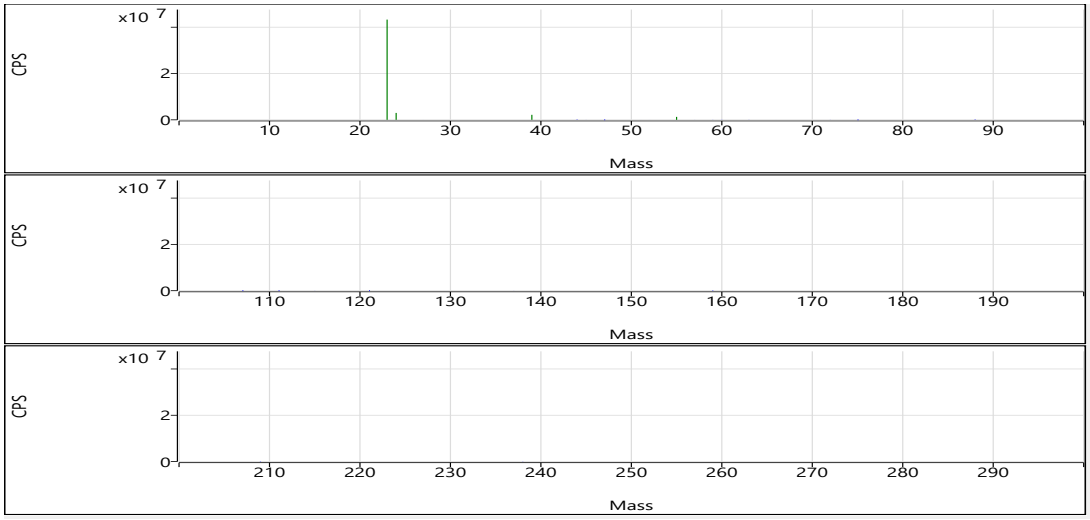


H2



Quantitation Report

He



Quantitation Report

Data File Name	137SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:42:17 PM
Sample Name	410-235925-I-5-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	10.0000
Total Dilution	10.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

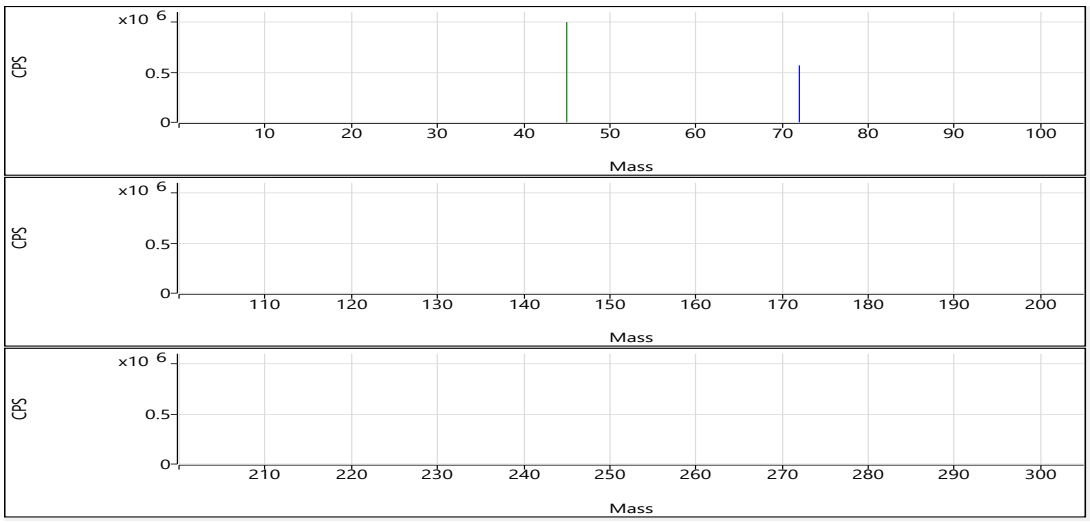
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.285	ug/L	32.1	39.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	9.045	ppb	18.0	24.89	0.0006	Pulse	1.5000	3
Na	23	72	He	1034108.301	ug/L	0.9	4513075.04	187.8956	Analog	0.1000	3
Mg	24	72	He	139131.027	ug/L	0.2	311299.25	12.9594	Pulse	0.1000	3
Al	27	72	He	500.941	ug/L	17.7	350.02	0.0146	Pulse	0.1000	3
K	39	72	He	177250.327	ppb	0.7	226585.16	9.4331	Pulse	0.1000	3
Ca	44	72	He	174136.627	ppb	0.4	14598.01	0.6077	Pulse	0.1000	3
Ti	47	159	He	22.671	ppb	150.3	23.33	0.0001	Pulse	0.1000	3
V	51	72	He	1.750	ppb	19.4	176.67	0.0074	Pulse	0.5000	3
Cr	52	45	He	3.566	ppb	34.0	666.71	0.0609	Pulse	0.1000	3
Mn	55	45	He	6706.608	ppb	7.2	128390.27	11.7385	Pulse	0.1000	3
Fe	57	72	He	1104.382	ppb	9.1	1260.10	0.0525	Pulse	0.1000	3
Co	59	72	He	22.961	ppb	5.0	2927.08	0.1219	Pulse	0.1000	3
Ni	60	72	He	169.160	ppb	4.6	6078.21	0.2531	Pulse	0.1000	3
Cu	63	72	He	30.593	ppb	8.1	3310.51	0.1377	Pulse	0.1000	3
Zn	66	72	He	18.187	ppb	5.5	216.68	0.0090	Pulse	0.1000	3
As	75	45	He	3.126	ppb	6.6	27.33	0.0025	Pulse	0.5000	3
Sr	88	159	He	690.735	ppb	2.1	16917.63	0.0963	Pulse	0.1000	3
Mo	98	159	He	0.438	ppb	86.4	100.01	0.0006	Pulse	0.1000	3
Ag	107	159	He	0.183	ppb	50.6	70.00	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.350	ppb	15.2	10.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-6.361	ppb	N/A	1510.15	0.0086	Pulse	0.1000	3
Sb	121	159	He	2.286	ppb	43.6	116.67	0.0007	Pulse	0.1000	3
Ba	137	159	He	99.069	ppb	15.0	2396.97	0.0137	Pulse	0.1000	3
Tl	205	159	He	0.410	ppb	15.0	470.03	0.0027	Pulse	0.1000	3
Pb	208	159	He	1.509	ppb	19.1	746.72	0.0043	Pulse	0.1000	3
U	238	209	He	7.652	ppb	1.9	6905.52	0.0521	Pulse	0.1000	3

ISTD Table:

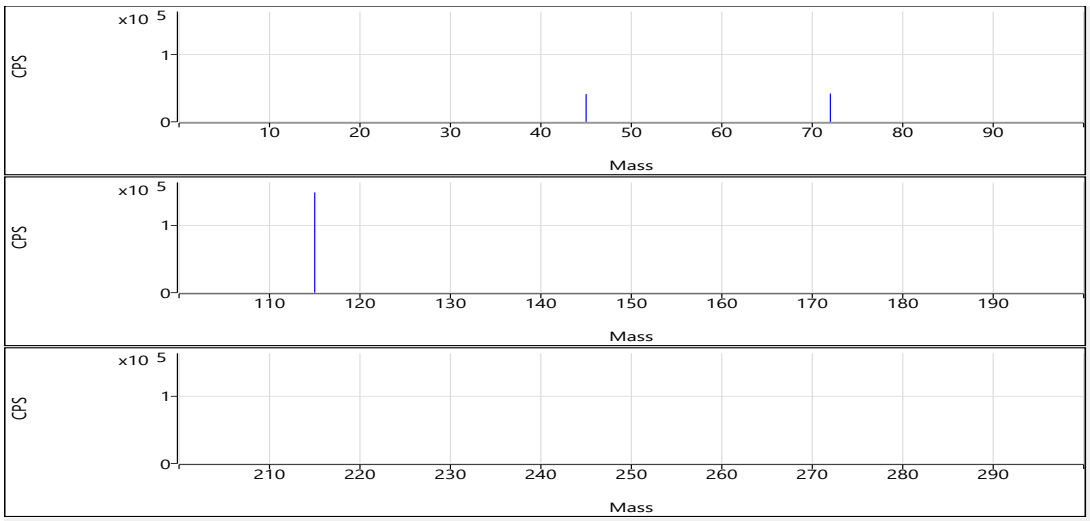
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1003780.12	1.2	96.0	Analog	0.1000	3
No Gas	Ge	72	569912.21	0.5	94.8	Pulse	0.1000	3
H2	Sc	45	41067.46	1.9	97.2	Pulse	0.1000	3
H2	Ge	72	41854.04	3.3	95.4	Pulse	0.1000	3
H2	In	115	148483.23	0.7	98.5	Pulse	0.1000	3
He	Sc	45	10977.97	7.9	96.1	Pulse	0.1000	3
He	Ge	72	24021.49	1.7	94.8	Pulse	0.1000	3
He	In	115	26780.64	1.0	98.1	Pulse	0.1000	3
He	Tb	159	175597.77	0.5	99.6	Pulse	0.1000	3
He	Bi	209	132528.61	1.2	98.3	Pulse	0.1000	3

No Gas

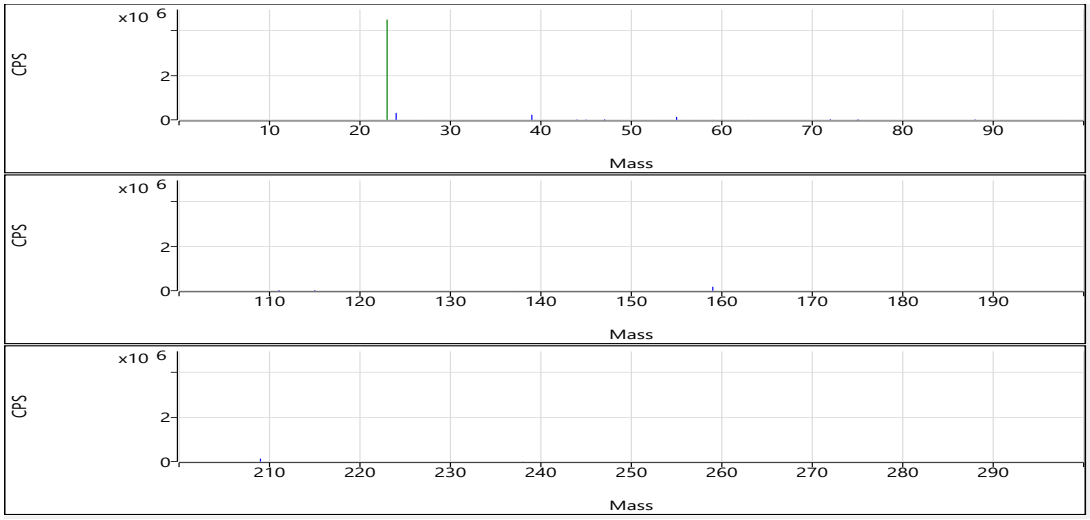


H2



Quantitation Report

He



Quantitation Report

Data File Name	138SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:44:09 PM
Sample Name	410-235925-I-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

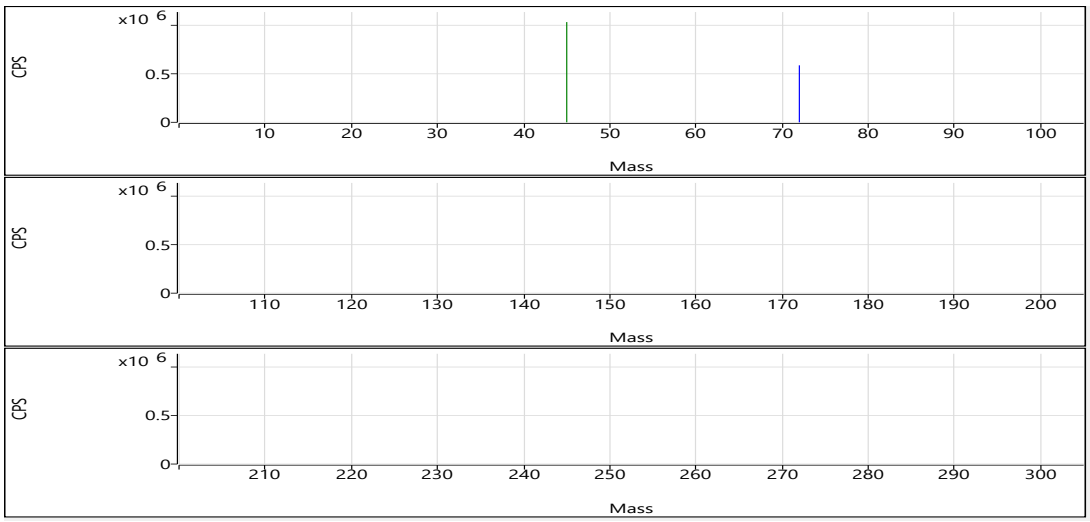
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.006	ug/L	N/A	22.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.233	ppb	37.2	8.00	0.0002	Pulse	1.5000	3
Na	23	72	He	48854.471	ug/L	3.4	2138202.78	88.8855	Analog	0.1000	3
Mg	24	72	He	205457.520	ug/L	3.5	4601465.56	191.2877	Analog	0.1000	3
Al	27	72	He	28.922	ug/L	39.2	220.02	0.0092	Pulse	0.1000	3
K	39	72	He	15919.250	ppb	3.3	204002.99	8.4803	Pulse	0.1000	3
Ca	44	72	He	72558.276	ppb	4.2	60831.47	2.5293	Pulse	0.1000	3
Ti	47	159	He	0.950	ppb	88.9	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.231	ppb	24.7	198.00	0.0082	Pulse	0.5000	3
Cr	52	45	He	0.553	ppb	20.0	770.05	0.0701	Pulse	0.1000	3
Mn	55	45	He	478.498	ppb	1.1	92010.93	8.3764	Pulse	0.1000	3
Fe	57	72	He	469.841	ppb	6.5	5091.09	0.2117	Pulse	0.1000	3
Co	59	72	He	1.169	ppb	7.4	1546.82	0.0642	Pulse	0.1000	3
Ni	60	72	He	130.871	ppb	2.9	46130.29	1.9174	Pulse	0.1000	3
Cu	63	72	He	1.914	ppb	10.3	2116.91	0.0881	Pulse	0.1000	3
Zn	66	72	He	3.659	ppb	24.6	390.02	0.0162	Pulse	0.1000	3
As	75	45	He	1.756	ppb	17.7	107.33	0.0098	Pulse	0.5000	3
Sr	88	159	He	178.074	ppb	2.2	42393.05	0.2452	Pulse	0.1000	3
Mo	98	159	He	0.263	ppb	10.3	296.68	0.0017	Pulse	0.1000	3
Ag	107	159	He	0.000	ppb	1941.5	30.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.026	ppb	44.8	8.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.143	ppb	N/A	1760.18	0.0102	Pulse	0.1000	3
Sb	121	159	He	0.082	ppb	69.4	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	124.615	ppb	2.1	20005.57	0.1157	Pulse	0.1000	3
Tl	205	159	He	-0.005	ppb	N/A	213.35	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.067	ppb	36.6	413.36	0.0024	Pulse	0.1000	3
U	238	209	He	0.365	ppb	5.0	3280.59	0.0255	Pulse	0.1000	3

ISTD Table:

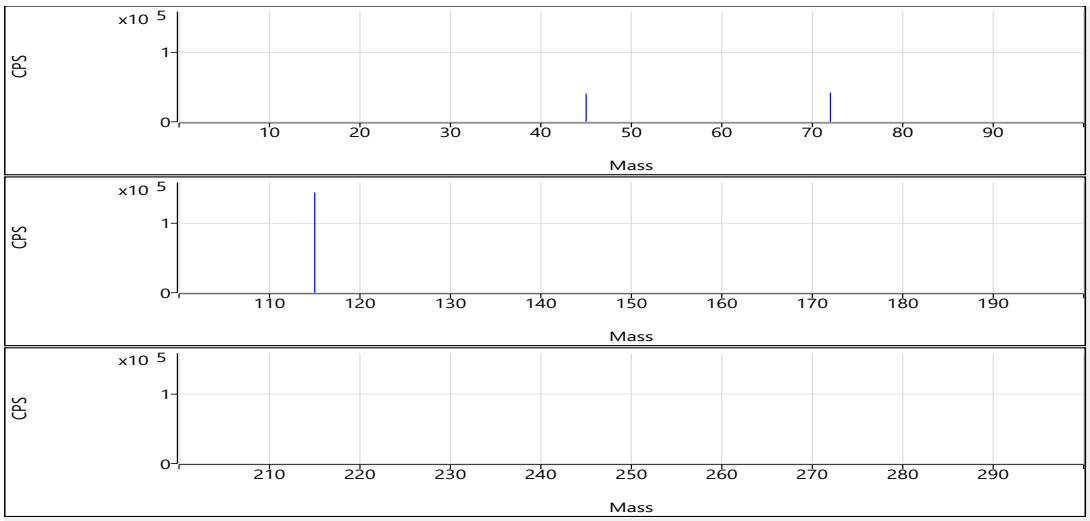
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1032066.11	0.4	98.7	Analog	0.1000	3
No Gas	Ge	72	586622.16	0.6	97.6	Pulse	0.1000	3
H2	Sc	45	40331.79	0.9	95.4	Pulse	0.1000	3
H2	Ge	72	41676.87	2.0	95.0	Pulse	0.1000	3
H2	In	115	143207.45	0.4	95.0	Pulse	0.1000	3
He	Sc	45	10984.67	0.9	96.2	Pulse	0.1000	3
He	Ge	72	24074.94	3.6	95.0	Pulse	0.1000	3
He	In	115	26049.22	2.6	95.4	Pulse	0.1000	3
He	Tb	159	172940.60	2.1	98.0	Pulse	0.1000	3
He	Bi	209	128671.76	0.9	95.4	Pulse	0.1000	3

No Gas

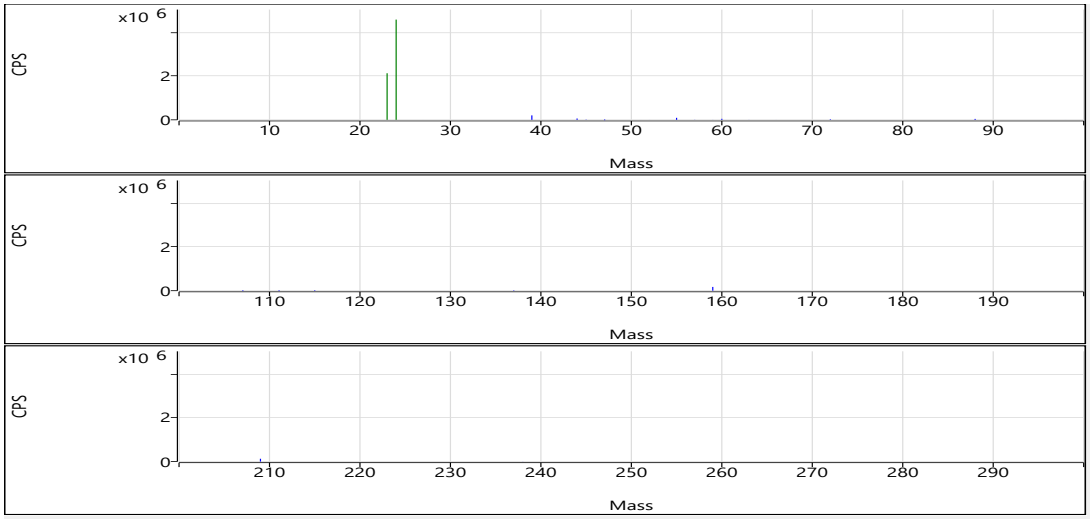


H2



Quantitation Report

He



Quantitation Report

Data File Name	138SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:46:35 PM
Sample Name	410-235925-I-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

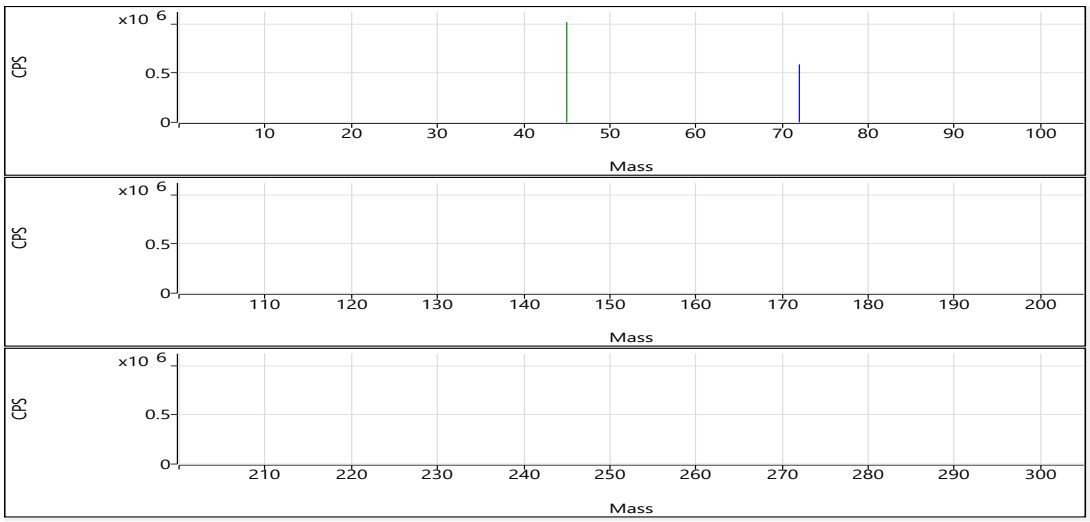
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.039	ug/L	N/A	21.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.028	ppb	N/A	2.00	0.0000	Pulse	1.5000	3
Na	23	72	He	48822.489	ug/L	3.7	441384.04	17.9442	Pulse	0.1000	3
Mg	24	72	He	213466.540	ug/L	3.9	977758.24	39.7539	Analog	0.1000	3
Al	27	72	He	62.450	ug/L	22.7	123.34	0.0050	Pulse	0.1000	3
K	39	72	He	15770.577	ppb	3.2	42912.41	1.7443	Pulse	0.1000	3
Ca	44	72	He	74588.527	ppb	7.1	12796.25	0.5207	Pulse	0.1000	3
Ti	47	159	He	4.608	ppb	171.5	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.426	ppb	70.9	146.00	0.0059	Pulse	0.5000	3
Cr	52	45	He	0.412	ppb	271.2	526.69	0.0481	Pulse	0.1000	3
Mn	55	45	He	500.317	ppb	3.4	19233.81	1.7553	Pulse	0.1000	3
Fe	57	72	He	446.613	ppb	6.9	1063.42	0.0431	Pulse	0.1000	3
Co	59	72	He	1.415	ppb	24.1	463.36	0.0188	Pulse	0.1000	3
Ni	60	72	He	137.263	ppb	0.7	10020.58	0.4070	Pulse	0.1000	3
Cu	63	72	He	2.267	ppb	5.4	613.37	0.0249	Pulse	0.1000	3
Zn	66	72	He	3.561	ppb	19.7	116.67	0.0047	Pulse	0.1000	3
As	75	45	He	1.623	ppb	12.1	28.00	0.0026	Pulse	0.5000	3
Sr	88	159	He	179.840	ppb	3.1	8906.55	0.0511	Pulse	0.1000	3
Mo	98	159	He	0.369	ppb	43.9	126.67	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.024	ppb	168.6	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.031	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-2.790	ppb	N/A	1540.15	0.0089	Pulse	0.1000	3
Sb	121	159	He	0.893	ppb	6.3	93.34	0.0005	Pulse	0.1000	3
Ba	137	159	He	123.005	ppb	3.8	4654.32	0.0267	Pulse	0.1000	3
Tl	205	159	He	-0.009	ppb	N/A	230.01	0.0013	Pulse	0.1000	3
Pb	208	159	He	0.207	ppb	42.5	320.02	0.0018	Pulse	0.1000	3
U	238	209	He	0.404	ppb	8.3	896.74	0.0066	Pulse	0.1000	3

ISTD Table:

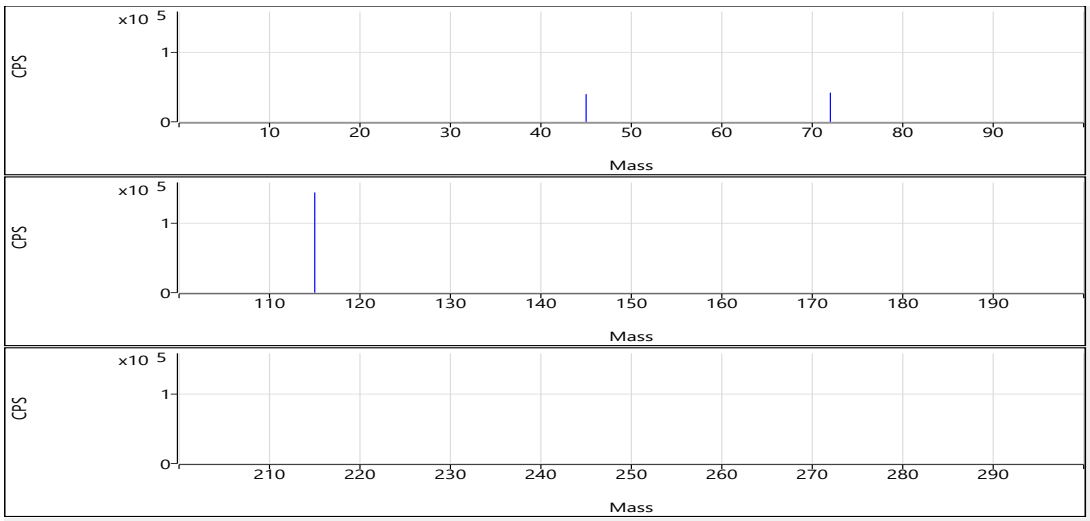
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1018741.24	0.6	97.5	Analog	0.1000	3
No Gas	Ge	72	588879.02	0.7	97.9	Pulse	0.1000	3
H2	Sc	45	40124.43	0.7	94.9	Pulse	0.1000	3
H2	Ge	72	42332.25	1.1	96.5	Pulse	0.1000	3
H2	In	115	145423.48	0.3	96.5	Pulse	0.1000	3
He	Sc	45	10961.27	2.6	96.0	Pulse	0.1000	3
He	Ge	72	24622.50	4.2	97.2	Pulse	0.1000	3
He	In	115	26393.07	1.6	96.7	Pulse	0.1000	3
He	Tb	159	174132.07	0.8	98.7	Pulse	0.1000	3
He	Bi	209	135316.68	1.6	100.3	Pulse	0.1000	3

No Gas

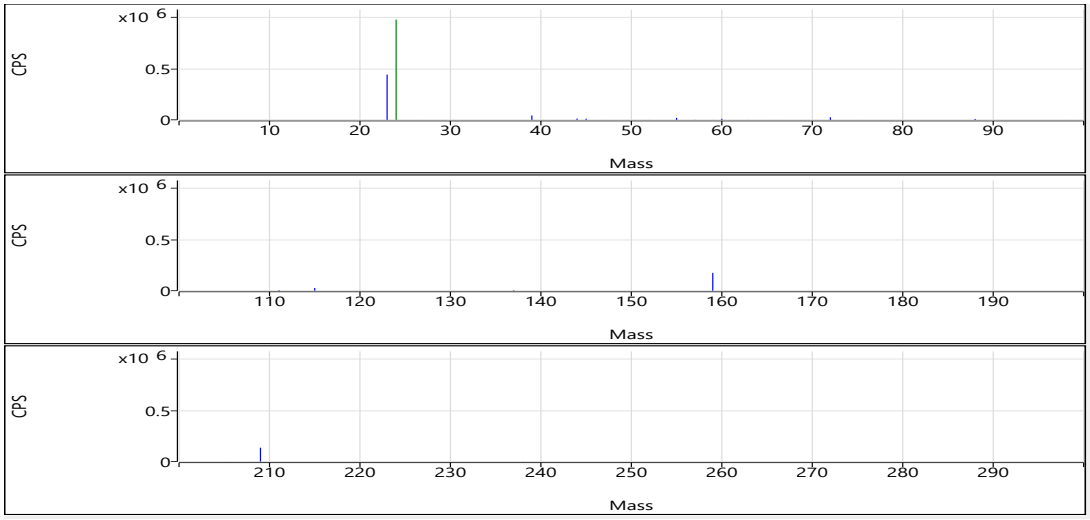


H2



Quantitation Report

He



Quantitation Report

Data File Name	139SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:48:28 PM
Sample Name	410-235858-K-5-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

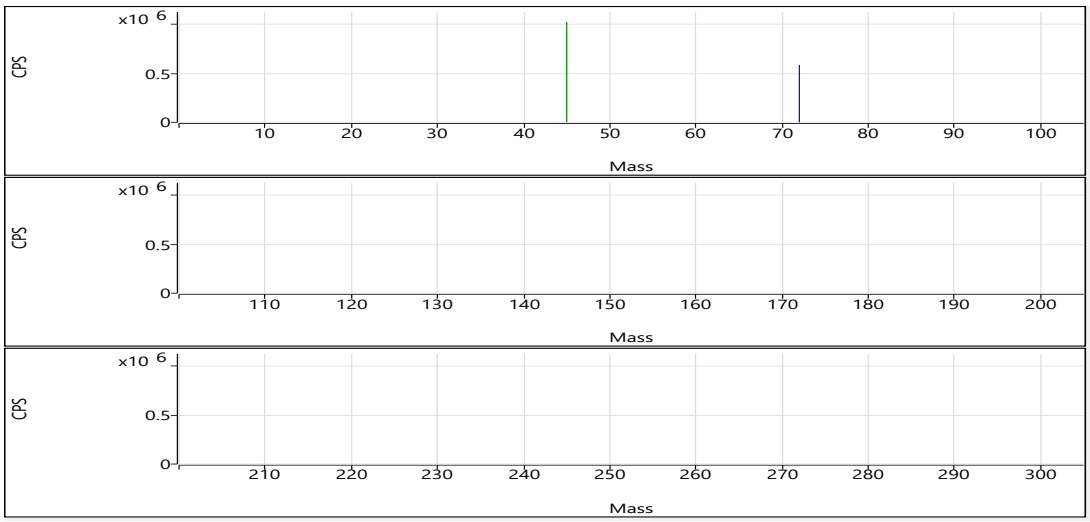
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.003	ug/L	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.345	ppb	21.3	10.67	0.0003	Pulse	1.5000	3
Na	23	72	He	23018.112	ug/L	2.0	1033825.22	41.9971	Analog	0.1000	3
Mg	24	72	He	104345.260	ug/L	2.1	2391527.00	97.1520	Analog	0.1000	3
Al	27	72	He	3.393	ug/L	26.7	66.67	0.0027	Pulse	0.1000	3
K	39	72	He	33279.282	ppb	2.4	434258.11	17.6409	Pulse	0.1000	3
Ca	44	72	He	499007.143	ppb	2.6	428040.68	17.3893	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.100	ppb	25.7	152.00	0.0062	Pulse	0.5000	3
Cr	52	45	He	-0.214	ppb	N/A	383.35	0.0343	Pulse	0.1000	3
Mn	55	45	He	4329.292	ppb	3.1	847033.63	75.7501	Pulse	0.1000	3
Fe	57	72	He	1954.767	ppb	5.4	21400.25	0.8696	Pulse	0.1000	3
Co	59	72	He	0.723	ppb	14.6	1016.75	0.0413	Pulse	0.1000	3
Ni	60	72	He	0.114	ppb	109.7	190.01	0.0077	Pulse	0.1000	3
Cu	63	72	He	0.175	ppb	19.8	316.68	0.0128	Pulse	0.1000	3
Zn	66	72	He	0.612	ppb	46.1	106.67	0.0043	Pulse	0.1000	3
As	75	45	He	0.171	ppb	30.9	20.00	0.0018	Pulse	0.5000	3
Sr	88	159	He	1163.212	ppb	1.8	274988.62	1.5905	Pulse	0.1000	3
Mo	98	159	He	0.027	ppb	182.9	83.34	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	45.6	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	-0.006	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.666	ppb	N/A	1470.15	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.045	ppb	74.1	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	32.256	ppb	4.6	5798.14	0.0335	Pulse	0.1000	3
Tl	205	159	He	-0.013	ppb	N/A	170.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.012	ppb	155.6	206.68	0.0012	Pulse	0.1000	3
U	238	209	He	0.005	ppb	161.8	210.01	0.0016	Pulse	0.1000	3

ISTD Table:

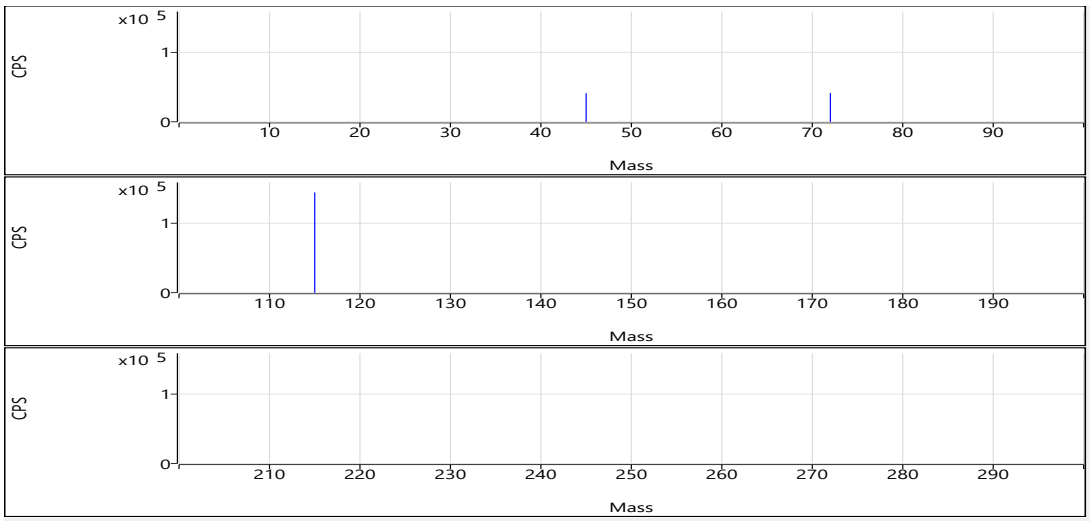
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1023443.39	0.5	97.9	Analog	0.1000	3
No Gas	Ge	72	584650.57	1.1	97.2	Pulse	0.1000	3
H2	Sc	45	40930.25	0.1	96.8	Pulse	0.1000	3
H2	Ge	72	41265.74	0.6	94.1	Pulse	0.1000	3
H2	In	115	143327.77	0.5	95.1	Pulse	0.1000	3
He	Sc	45	11191.49	4.1	98.0	Pulse	0.1000	3
He	Ge	72	24622.44	1.8	97.2	Pulse	0.1000	3
He	In	115	26236.31	2.4	96.1	Pulse	0.1000	3
He	Tb	159	172924.12	1.5	98.0	Pulse	0.1000	3
He	Bi	209	130010.07	2.3	96.4	Pulse	0.1000	3

No Gas

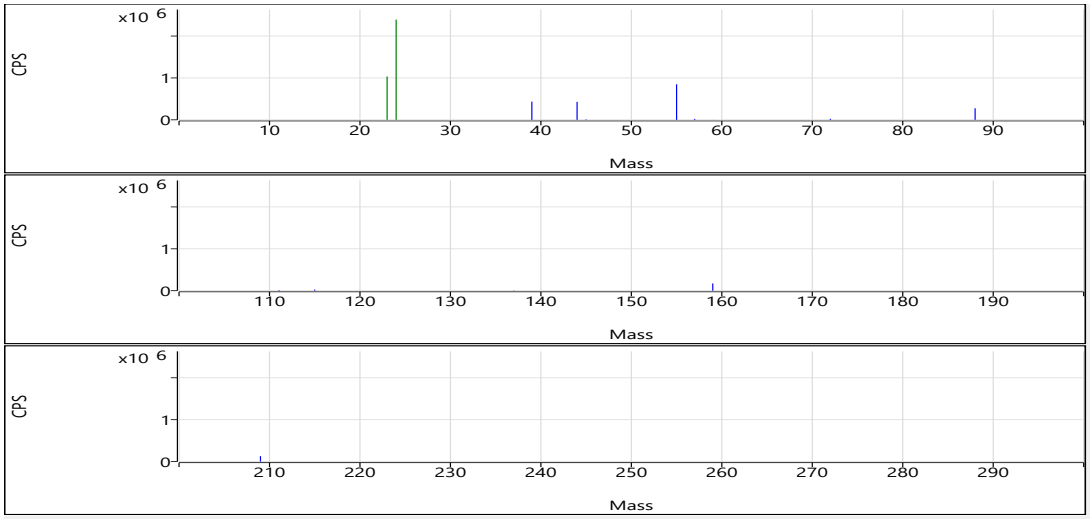


H2



Quantitation Report

He



Quantitation Report

Data File Name	139SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:50:53 PM
Sample Name	410-235858-K-5-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

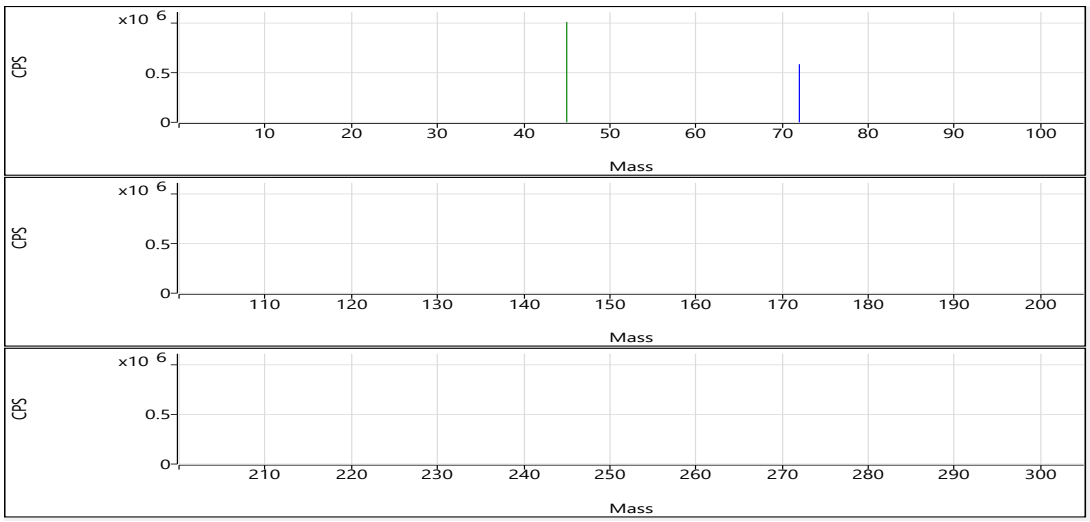
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.005	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.200	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	23751.477	ug/L	1.5	213187.96	8.8443	Pulse	0.1000	3
Mg	24	72	He	109876.376	ug/L	0.6	493301.59	20.4653	Pulse	0.1000	3
Al	27	72	He	23.554	ug/L	121.1	73.33	0.0030	Pulse	0.1000	3
K	39	72	He	34464.607	ppb	1.5	89602.61	3.7172	Pulse	0.1000	3
Ca	44	72	He	513632.102	ppb	1.6	86310.11	3.5805	Pulse	0.1000	3
Ti	47	159	He	-2.245	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.584	ppb	47.1	155.33	0.0064	Pulse	0.5000	3
Cr	52	45	He	-0.647	ppb	N/A	436.69	0.0382	Pulse	0.1000	3
Mn	55	45	He	4421.100	ppb	2.9	175788.63	15.4749	Pulse	0.1000	3
Fe	57	72	He	2100.987	ppb	6.5	4574.24	0.1897	Pulse	0.1000	3
Co	59	72	He	0.953	ppb	16.8	340.02	0.0141	Pulse	0.1000	3
Ni	60	72	He	0.157	ppb	289.3	156.68	0.0065	Pulse	0.1000	3
Cu	63	72	He	0.368	ppb	34.7	203.34	0.0084	Pulse	0.1000	3
Zn	66	72	He	2.275	ppb	25.2	90.00	0.0037	Pulse	0.1000	3
As	75	45	He	0.070	ppb	332.1	11.33	0.0010	Pulse	0.5000	3
Sr	88	159	He	1183.075	ppb	0.8	57226.89	0.3251	Pulse	0.1000	3
Mo	98	159	He	-0.089	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Ag	107	159	He	0.046	ppb	100.2	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.016	ppb	6.3	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.950	ppb	N/A	1426.80	0.0081	Pulse	0.1000	3
Sb	121	159	He	0.333	ppb	77.9	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	27.904	ppb	17.1	1726.84	0.0098	Pulse	0.1000	3
Tl	205	159	He	-0.059	ppb	N/A	176.68	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.087	ppb	54.2	230.01	0.0013	Pulse	0.1000	3
U	238	209	He	0.009	ppb	533.4	190.01	0.0014	Pulse	0.1000	3

ISTD Table:

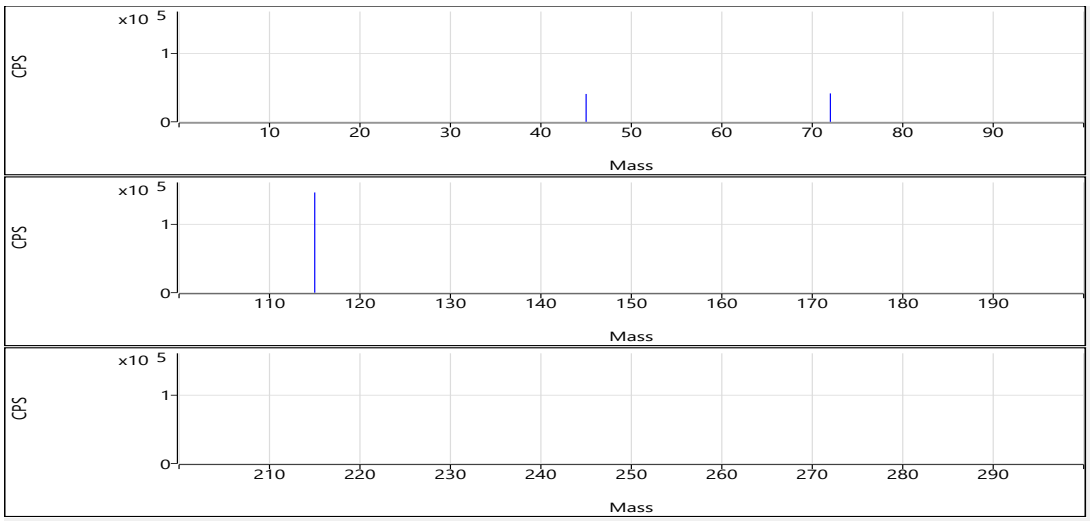
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1013163.53	0.3	96.9	Analog	0.1000	3
No Gas	Ge	72	587301.45	0.0	97.7	Pulse	0.1000	3
H2	Sc	45	40996.95	1.6	97.0	Pulse	0.1000	3
H2	Ge	72	41780.75	3.8	95.2	Pulse	0.1000	3
H2	In	115	147477.79	0.5	97.9	Pulse	0.1000	3
He	Sc	45	11368.26	4.0	99.5	Pulse	0.1000	3
He	Ge	72	24104.81	0.8	95.2	Pulse	0.1000	3
He	In	115	27224.87	0.4	99.7	Pulse	0.1000	3
He	Tb	159	176003.67	1.1	99.8	Pulse	0.1000	3
He	Bi	209	137384.28	1.2	101.9	Pulse	0.1000	3

No Gas

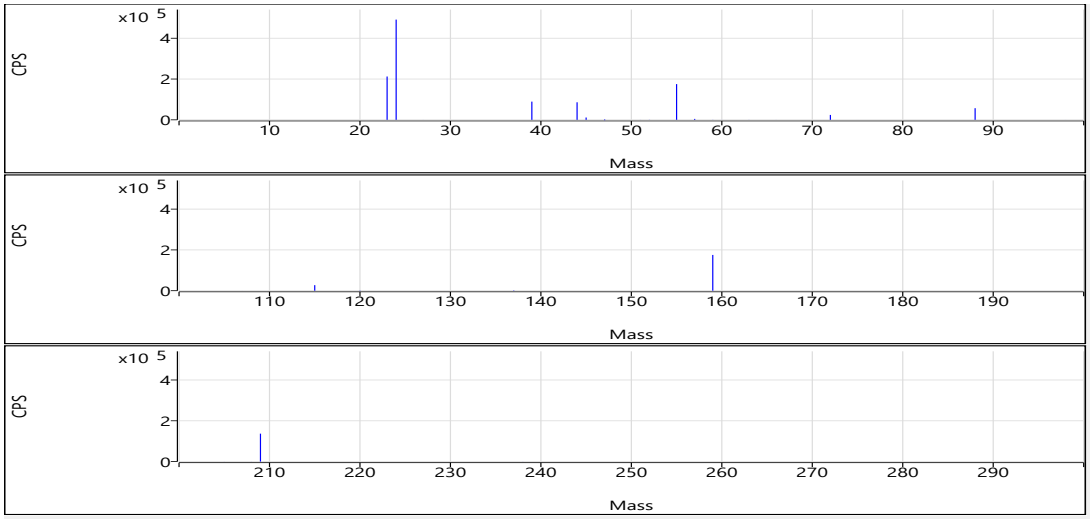


H2



Quantitation Report

He



Quantitation Report

Data File Name	141_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:54:48 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

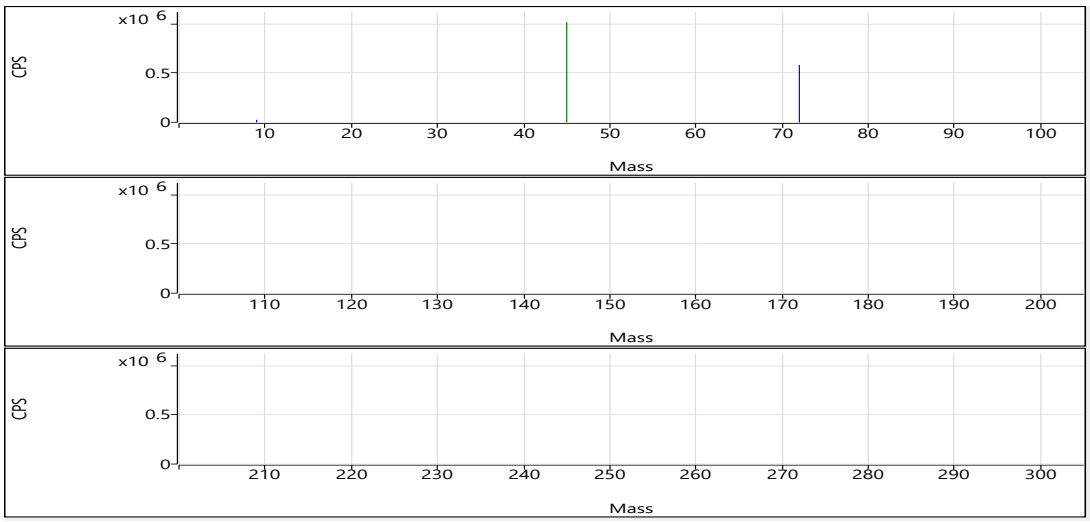
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.599	ug/L	1.4	25017.56	0.0245	Pulse	0.5000	3
Se	78	72	H2	49.928	ppb	2.7	1266.73	0.0302	Pulse	1.5000	3
Na	23	72	He	4996.151	ug/L	3.1	226422.63	9.2905	Pulse	0.1000	3
Mg	24	72	He	4910.736	ug/L	1.7	111592.39	4.5782	Pulse	0.1000	3
Al	27	72	He	4908.048	ug/L	4.5	30486.67	1.2508	Pulse	0.1000	3
K	39	72	He	4865.868	ppb	2.3	64530.94	2.6475	Pulse	0.1000	3
Ca	44	72	He	5046.853	ppb	8.4	4310.81	0.1768	Pulse	0.1000	3
Ti	47	159	He	4933.215	ppb	1.9	36705.37	0.2065	Pulse	0.1000	3
V	51	72	He	495.350	ppb	1.7	189768.50	7.7854	Pulse	0.5000	3
Cr	52	45	He	498.232	ppb	3.6	263477.70	23.2738	Pulse	0.1000	3
Mn	55	45	He	497.765	ppb	4.0	98631.96	8.7135	Pulse	0.1000	3
Fe	57	72	He	4872.985	ppb	1.9	52709.70	2.1624	Pulse	0.1000	3
Co	59	72	He	478.593	ppb	1.5	597382.61	24.5079	Pulse	0.1000	3
Ni	60	72	He	498.932	ppb	1.8	177761.61	7.2928	Pulse	0.1000	3
Cu	63	72	He	499.199	ppb	1.5	526922.49	21.6173	Pulse	0.1000	3
Zn	66	72	He	497.804	ppb	3.1	47097.30	1.9325	Pulse	0.1000	3
As	75	45	He	506.086	ppb	5.1	28855.92	2.5500	Pulse	0.5000	3
Sr	88	159	He	47.930	ppb	1.1	11992.36	0.0675	Pulse	0.1000	3
Mo	98	159	He	49.332	ppb	3.2	45934.71	0.2585	Pulse	0.1000	3
Ag	107	159	He	49.551	ppb	1.4	109717.25	0.6173	Pulse	0.1000	3
Cd	111	159	He	48.834	ppb	2.8	10371.35	0.0584	Pulse	0.5000	3
Sn	120	159	He	48.125	ppb	2.5	29292.61	0.1648	Pulse	0.1000	3
Sb	121	159	He	49.042	ppb	2.0	22476.13	0.1265	Pulse	0.1000	3
Ba	137	159	He	488.775	ppb	1.2	78143.27	0.4397	Pulse	0.1000	3
Tl	205	159	He	50.170	ppb	2.0	282417.20	1.5891	Pulse	0.1000	3
Pb	208	159	He	50.381	ppb	2.4	197573.47	1.1117	Pulse	0.1000	3
U	238	209	He	49.708	ppb	0.8	454767.08	3.3036	Pulse	0.1000	3

ISTD Table:

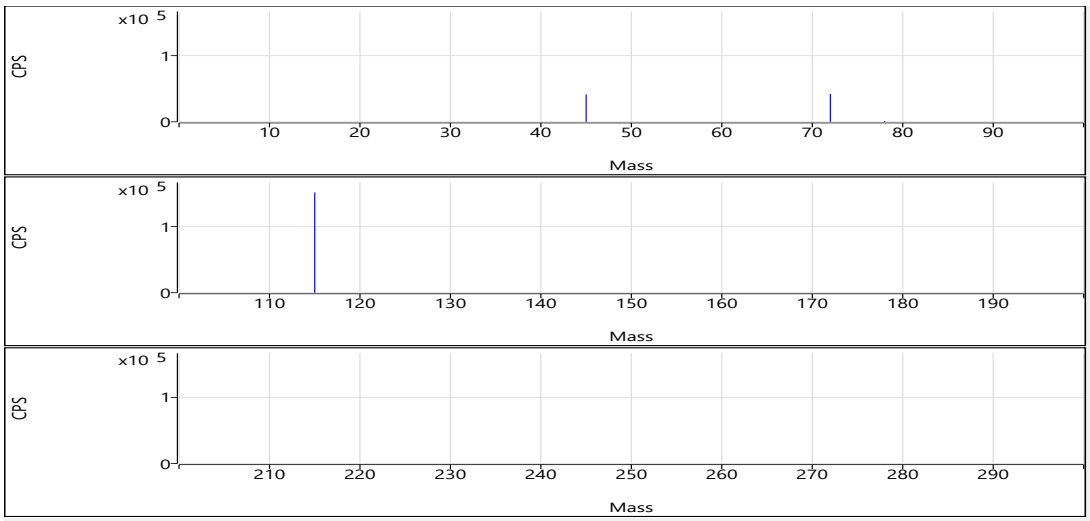
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1020932.93	0.7	97.7	Analog	0.1000	3
No Gas	Ge	72	584228.45	0.9	97.2	Pulse	0.1000	3
H2	Sc	45	41291.11	1.1	97.7	Pulse	0.1000	3
H2	Ge	72	41957.75	1.0	95.6	Pulse	0.1000	3
H2	In	115	150824.69	0.5	100.1	Pulse	0.1000	3
He	Sc	45	11331.63	4.0	99.2	Pulse	0.1000	3
He	Ge	72	24378.91	1.6	96.2	Pulse	0.1000	3
He	In	115	27057.83	1.1	99.1	Pulse	0.1000	3
He	Tb	159	177736.20	0.8	100.8	Pulse	0.1000	3
He	Bi	209	137644.46	2.4	102.1	Pulse	0.1000	3

No Gas

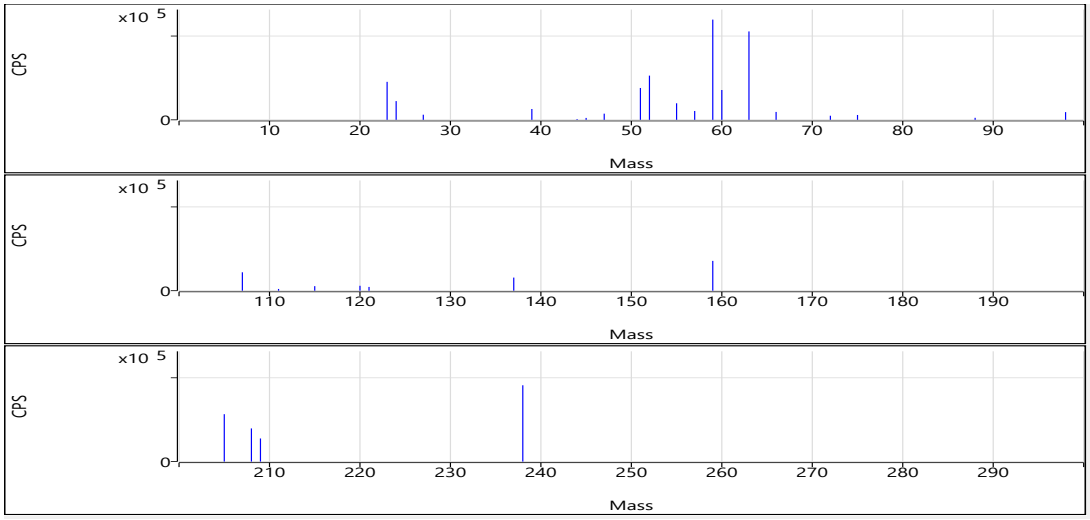


H2



Quantitation Report

He



Quantitation Report

Data File Name	143_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 8:58:49 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

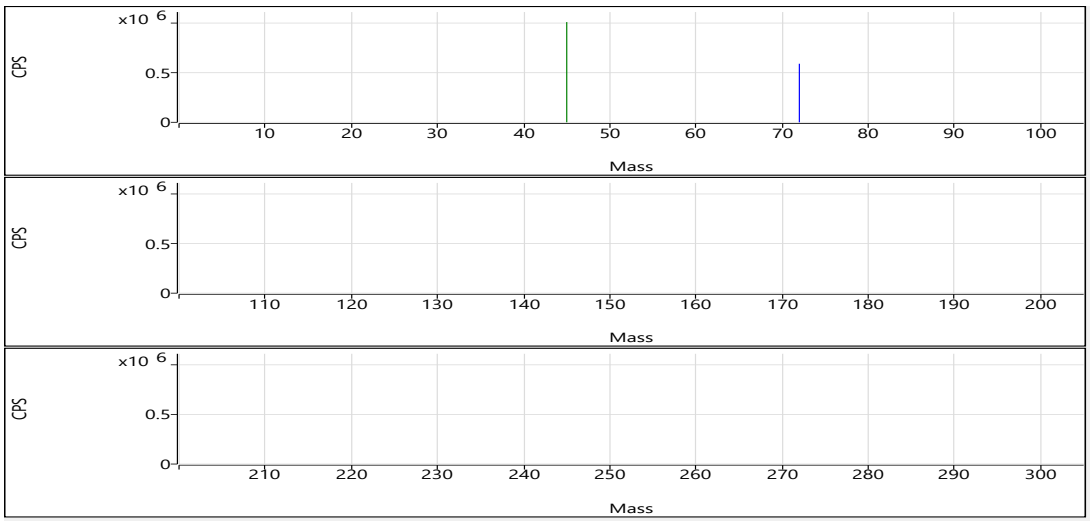
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.013	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.040	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	11.654	ug/L	33.1	5924.78	0.2445	Pulse	0.1000	3
Mg	24	72	He	4.927	ug/L	80.6	263.35	0.0109	Pulse	0.1000	3
Al	27	72	He	-4.525	ug/L	N/A	16.67	0.0007	Pulse	0.1000	3
K	39	72	He	10.612	ppb	146.8	2070.22	0.0855	Pulse	0.1000	3
Ca	44	72	He	25.034	ppb	121.3	43.33	0.0018	Pulse	0.1000	3
Ti	47	159	He	0.470	ppb	1.6	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.050	ppb	77.7	130.67	0.0054	Pulse	0.5000	3
Cr	52	45	He	-0.090	ppb	N/A	426.69	0.0401	Pulse	0.1000	3
Mn	55	45	He	0.262	ppb	70.9	96.67	0.0091	Pulse	0.1000	3
Fe	57	72	He	3.812	ppb	88.4	126.67	0.0052	Pulse	0.1000	3
Co	59	72	He	-0.007	ppb	N/A	96.67	0.0040	Pulse	0.1000	3
Ni	60	72	He	0.141	ppb	52.2	196.68	0.0081	Pulse	0.1000	3
Cu	63	72	He	0.044	ppb	103.3	173.34	0.0072	Pulse	0.1000	3
Zn	66	72	He	-0.153	ppb	N/A	33.33	0.0014	Pulse	0.1000	3
As	75	45	He	-0.059	ppb	N/A	6.67	0.0006	Pulse	0.5000	3
Sr	88	159	He	-0.274	ppb	N/A	286.68	0.0016	Pulse	0.1000	3
Mo	98	159	He	0.001	ppb	1270.7	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	168.6	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.013	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.019	ppb	N/A	1840.19	0.0106	Pulse	0.1000	3
Sb	121	159	He	0.030	ppb	153.2	26.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.136	ppb	N/A	666.71	0.0038	Pulse	0.1000	3
Tl	205	159	He	-0.013	ppb	N/A	170.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.008	ppb	69.4	190.01	0.0011	Pulse	0.1000	3
U	238	209	He	0.004	ppb	110.0	203.34	0.0015	Pulse	0.1000	3

ISTD Table:

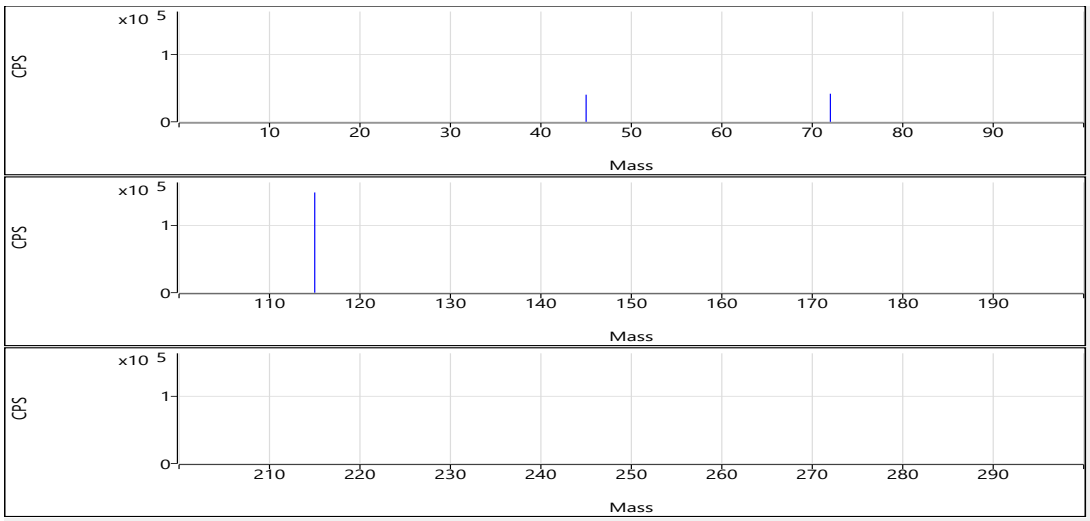
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1011179.67	0.8	96.7	Analog	0.1000	3
No Gas	Ge	72	590786.22	0.8	98.2	Pulse	0.1000	3
H2	Sc	45	40261.60	0.8	95.3	Pulse	0.1000	3
H2	Ge	72	41690.18	3.2	95.0	Pulse	0.1000	3
H2	In	115	148744.95	0.8	98.7	Pulse	0.1000	3
He	Sc	45	10631.02	4.4	93.1	Pulse	0.1000	3
He	Ge	72	24228.46	1.4	95.6	Pulse	0.1000	3
He	In	115	26616.94	1.5	97.5	Pulse	0.1000	3
He	Tb	159	173942.71	0.5	98.6	Pulse	0.1000	3
He	Bi	209	136168.34	2.2	101.0	Pulse	0.1000	3

No Gas

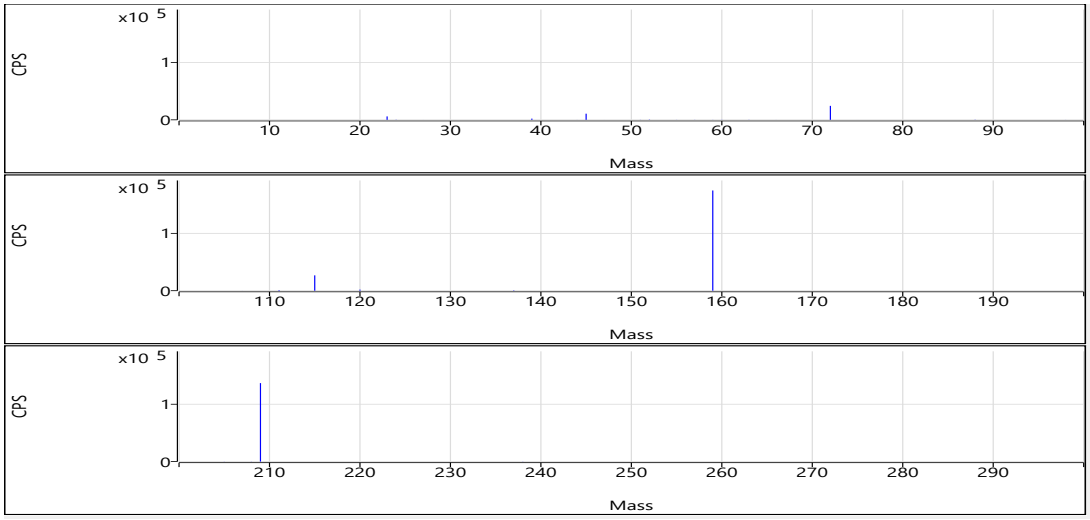


H2



Quantitation Report

He



Quantitation Report

Data File Name	144SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:00:49 PM
Sample Name	410-235858-L-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

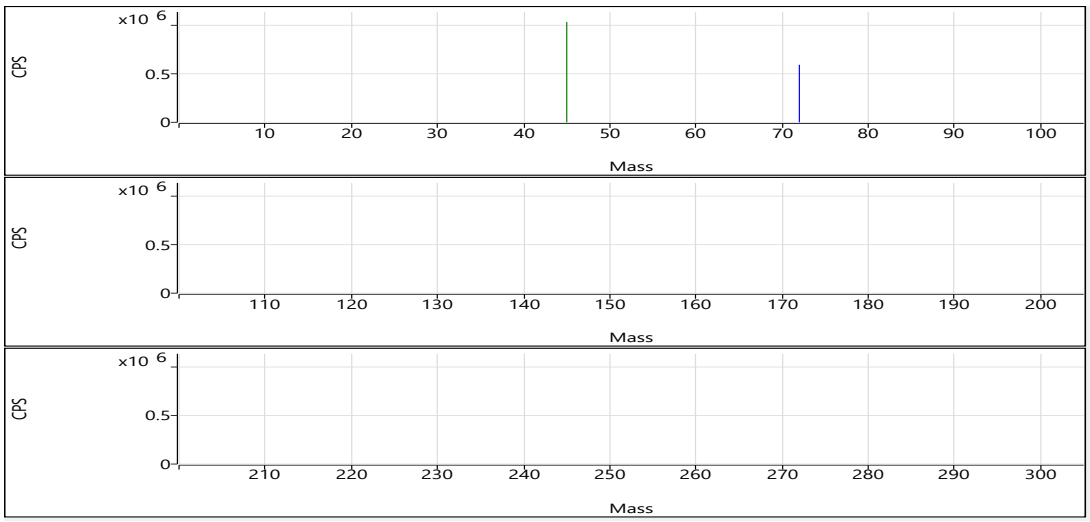
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.040	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	18.418	ug/L	40.0	6351.63	0.2567	Pulse	0.1000	3
Mg	24	72	He	8.436	ug/L	49.5	350.02	0.0142	Pulse	0.1000	3
Al	27	72	He	0.115	ug/L	3093.2	46.67	0.0019	Pulse	0.1000	3
K	39	72	He	9.664	ppb	325.8	2106.90	0.0850	Pulse	0.1000	3
Ca	44	72	He	63.059	ppb	67.6	76.67	0.0031	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.100	ppb	33.9	152.67	0.0062	Pulse	0.5000	3
Cr	52	45	He	-0.052	ppb	N/A	473.36	0.0418	Pulse	0.1000	3
Mn	55	45	He	0.433	ppb	42.2	136.67	0.0121	Pulse	0.1000	3
Fe	57	72	He	5.624	ppb	71.2	150.01	0.0060	Pulse	0.1000	3
Co	59	72	He	0.002	ppb	1427.0	110.00	0.0044	Pulse	0.1000	3
Ni	60	72	He	0.176	ppb	103.8	213.34	0.0086	Pulse	0.1000	3
Cu	63	72	He	0.202	ppb	5.7	346.69	0.0140	Pulse	0.1000	3
Zn	66	72	He	0.535	ppb	40.1	100.00	0.0040	Pulse	0.1000	3
As	75	45	He	0.086	ppb	66.3	15.33	0.0014	Pulse	0.5000	3
Sr	88	159	He	-0.373	ppb	N/A	266.68	0.0015	Pulse	0.1000	3
Mo	98	159	He	-0.007	ppb	N/A	53.33	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.000	ppb	N/A	30.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.461	ppb	N/A	1616.83	0.0092	Pulse	0.1000	3
Sb	121	159	He	0.051	ppb	88.6	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-0.832	ppb	N/A	723.38	0.0041	Pulse	0.1000	3
Tl	205	159	He	-0.021	ppb	N/A	123.34	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.020	ppb	20.5	240.01	0.0014	Pulse	0.1000	3
U	238	209	He	0.005	ppb	30.1	220.01	0.0016	Pulse	0.1000	3

ISTD Table:

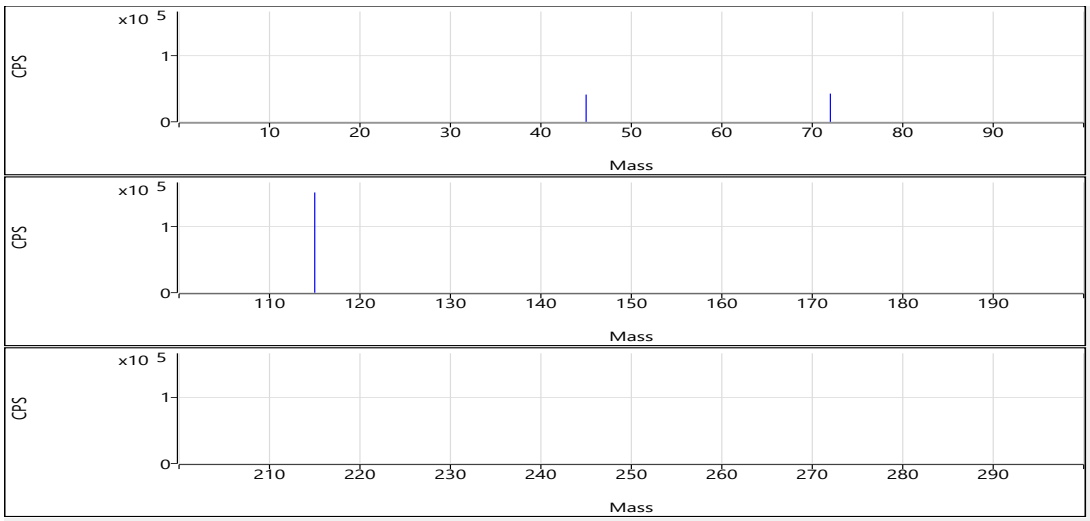
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027737.72	0.7	98.3	Analog	0.1000	3
No Gas	Ge	72	589663.43	0.8	98.1	Pulse	0.1000	3
H2	Sc	45	41003.80	1.8	97.0	Pulse	0.1000	3
H2	Ge	72	42422.59	3.3	96.7	Pulse	0.1000	3
H2	In	115	150817.29	1.3	100.1	Pulse	0.1000	3
He	Sc	45	11341.56	4.5	99.3	Pulse	0.1000	3
He	Ge	72	24752.81	2.1	97.7	Pulse	0.1000	3
He	In	115	27358.67	2.0	100.2	Pulse	0.1000	3
He	Tb	159	176378.22	0.7	100.0	Pulse	0.1000	3
He	Bi	209	139733.45	2.0	103.6	Pulse	0.1000	3

No Gas

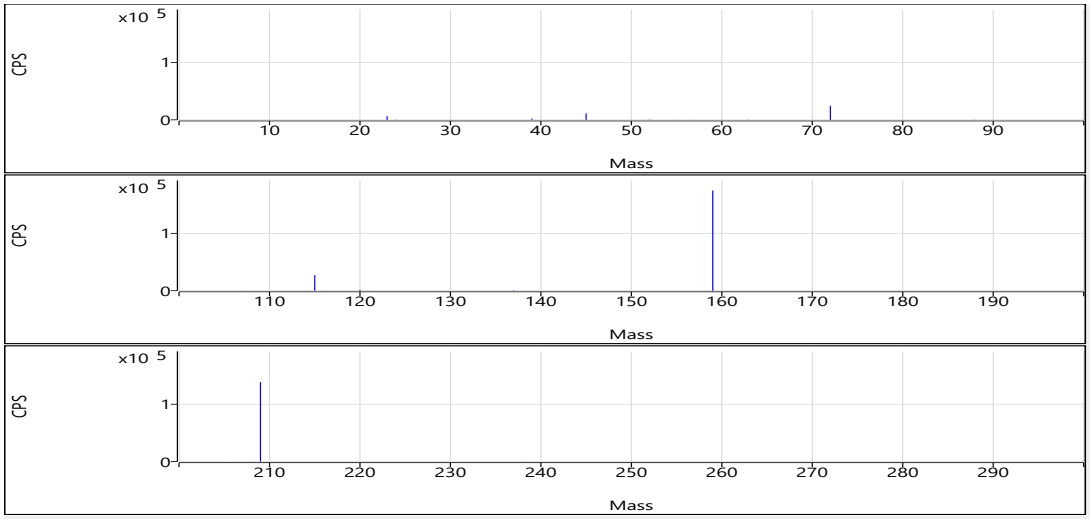


H2



Quantitation Report

He



Quantitation Report

Data File Name	145SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:02:49 PM
Sample Name	410-235858-K-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

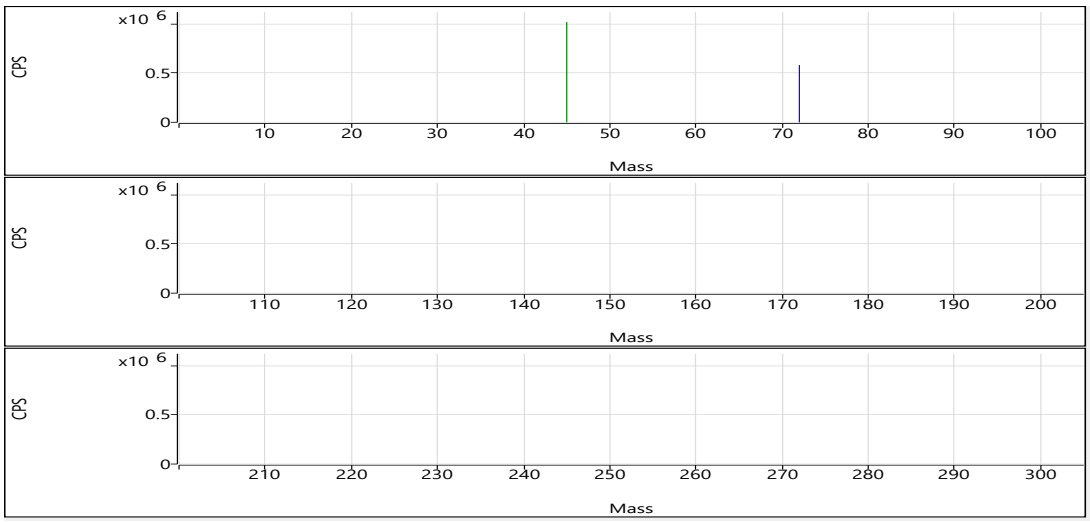
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.210	ppb	25.9	7.33	0.0002	Pulse	1.5000	3
Na	23	72	He	22857.011	ug/L	2.3	1008717.69	41.7047	Analog	0.1000	3
Mg	24	72	He	103097.430	ug/L	2.0	2321793.09	95.9903	Analog	0.1000	3
Al	27	72	He	0.959	ug/L	635.8	50.00	0.0021	Pulse	0.1000	3
K	39	72	He	33781.726	ppb	1.5	433146.19	17.9060	Pulse	0.1000	3
Ca	44	72	He	486200.871	ppb	1.2	409867.66	16.9430	Pulse	0.1000	3
Ti	47	159	He	0.465	ppb	509.5	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.049	ppb	56.0	130.00	0.0054	Pulse	0.5000	3
Cr	52	45	He	-0.252	ppb	N/A	363.35	0.0326	Pulse	0.1000	3
Mn	55	45	He	4615.864	ppb	5.7	899499.98	80.7640	Pulse	0.1000	3
Fe	57	72	He	10128.589	ppb	2.4	108615.19	4.4907	Pulse	0.1000	3
Co	59	72	He	1.940	ppb	4.4	2506.99	0.1037	Pulse	0.1000	3
Ni	60	72	He	0.249	ppb	75.8	233.35	0.0097	Pulse	0.1000	3
Cu	63	72	He	0.188	ppb	16.5	323.35	0.0134	Pulse	0.1000	3
Zn	66	72	He	0.240	ppb	160.9	70.00	0.0029	Pulse	0.1000	3
As	75	45	He	0.123	ppb	99.1	17.33	0.0015	Pulse	0.5000	3
Sr	88	159	He	1110.306	ppb	1.0	263330.47	1.5183	Pulse	0.1000	3
Mo	98	159	He	0.005	ppb	539.4	63.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	84.5	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.013	ppb	73.3	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.513	ppb	N/A	1560.15	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.001	ppb	2313.7	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	30.541	ppb	9.4	5551.37	0.0320	Pulse	0.1000	3
Tl	205	159	He	-0.022	ppb	N/A	116.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.028	ppb	27.5	266.68	0.0015	Pulse	0.1000	3
U	238	209	He	0.004	ppb	140.1	203.34	0.0015	Pulse	0.1000	3

ISTD Table:

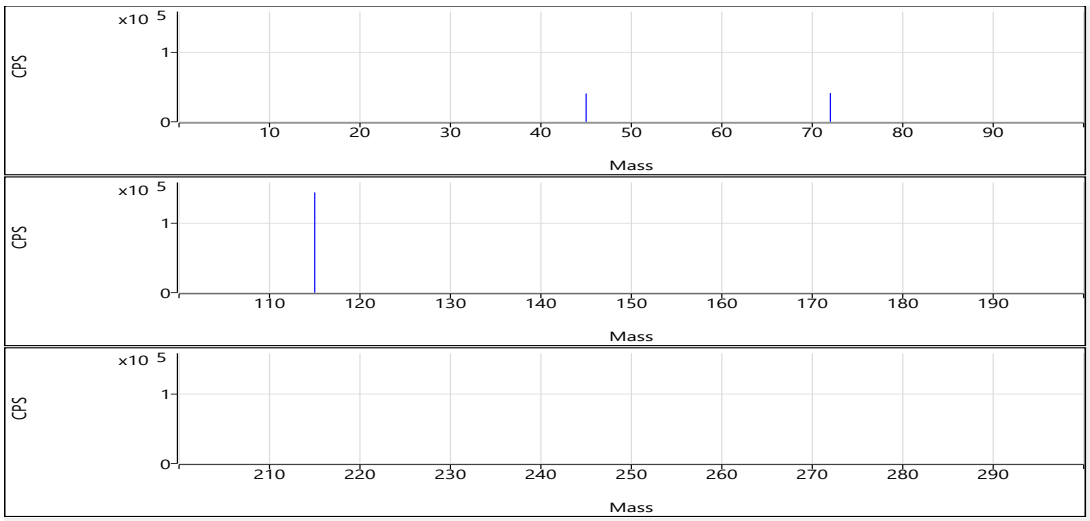
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1017413.71	0.4	97.3	Analog	0.1000	3
No Gas	Ge	72	580968.96	0.3	96.6	Pulse	0.1000	3
H2	Sc	45	40803.25	1.9	96.5	Pulse	0.1000	3
H2	Ge	72	41409.31	0.3	94.4	Pulse	0.1000	3
H2	In	115	144352.36	1.8	95.8	Pulse	0.1000	3
He	Sc	45	11158.11	5.0	97.7	Pulse	0.1000	3
He	Ge	72	24195.10	2.3	95.5	Pulse	0.1000	3
He	In	115	26583.56	1.5	97.4	Pulse	0.1000	3
He	Tb	159	173446.42	0.6	98.3	Pulse	0.1000	3
He	Bi	209	132285.41	1.6	98.1	Pulse	0.1000	3

No Gas

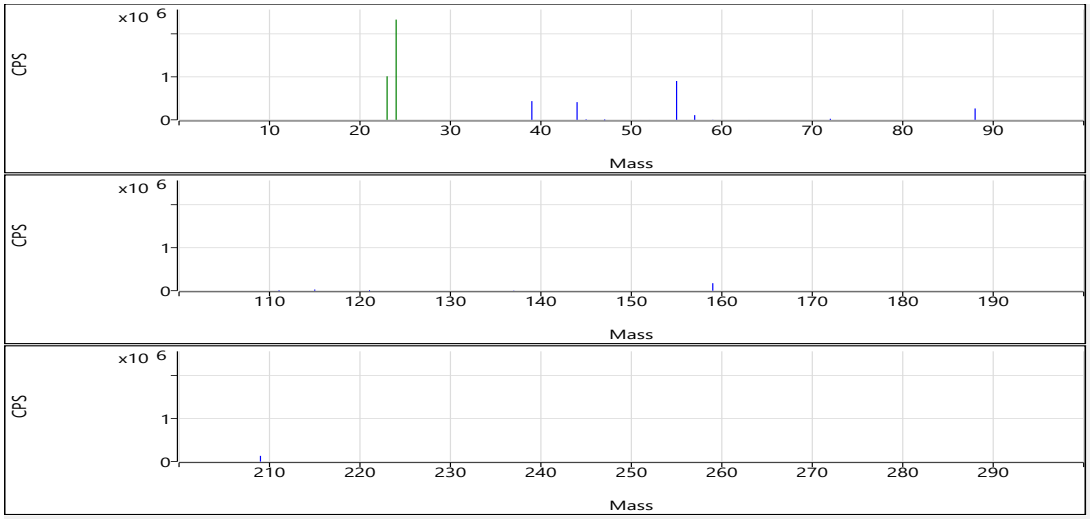


H2



Quantitation Report

He



Quantitation Report

Data File Name	145SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:05:15 PM
Sample Name	410-235858-K-7-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

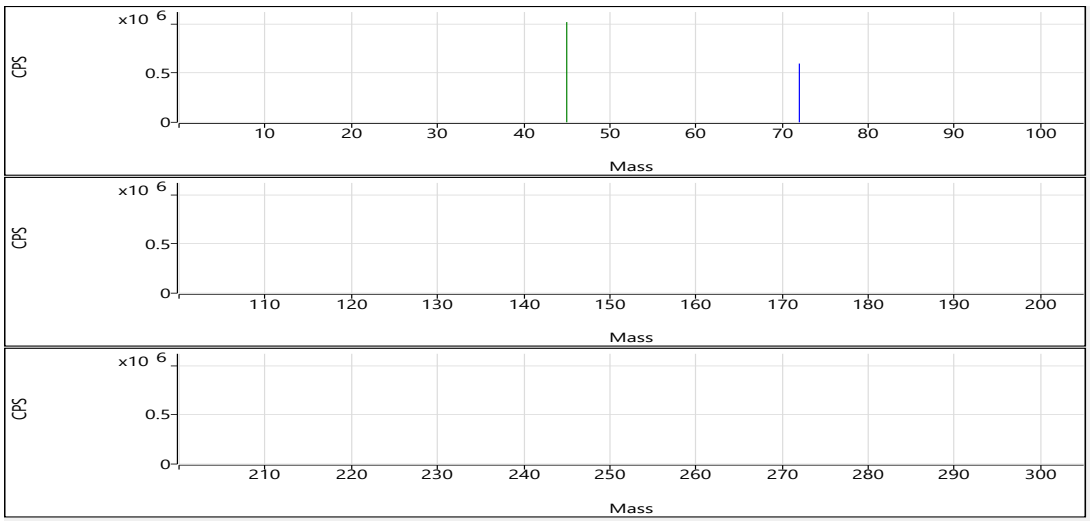
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.287	ppb	95.1	3.56	0.0001	Pulse	1.5000	3
Na	23	72	He	22650.404	ug/L	3.1	208297.73	8.4446	Pulse	0.1000	3
Mg	24	72	He	104332.498	ug/L	2.1	479393.24	19.4331	Pulse	0.1000	3
Al	27	72	He	3.840	ug/L	570.0	50.00	0.0020	Pulse	0.1000	3
K	39	72	He	34017.416	ppb	2.4	90531.77	3.6700	Pulse	0.1000	3
Ca	44	72	He	489912.171	ppb	4.0	84241.35	3.4152	Pulse	0.1000	3
Ti	47	159	He	-2.268	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.300	ppb	98.0	136.67	0.0055	Pulse	0.5000	3
Cr	52	45	He	-0.752	ppb	N/A	420.02	0.0373	Pulse	0.1000	3
Mn	55	45	He	4734.188	ppb	1.3	186650.60	16.5705	Pulse	0.1000	3
Fe	57	72	He	10020.162	ppb	2.9	21987.92	0.8914	Pulse	0.1000	3
Co	59	72	He	1.960	ppb	13.0	603.37	0.0244	Pulse	0.1000	3
Ni	60	72	He	0.151	ppb	113.8	160.01	0.0065	Pulse	0.1000	3
Cu	63	72	He	0.380	ppb	73.7	210.01	0.0085	Pulse	0.1000	3
Zn	66	72	He	0.936	ppb	282.7	66.67	0.0027	Pulse	0.1000	3
As	75	45	He	-0.032	ppb	N/A	10.00	0.0009	Pulse	0.5000	3
Sr	88	159	He	1140.323	ppb	1.1	55616.42	0.3135	Pulse	0.1000	3
Mo	98	159	He	-0.020	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.007	ppb	187.4	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.063	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.996	ppb	N/A	1433.46	0.0081	Pulse	0.1000	3
Sb	121	159	He	0.582	ppb	43.2	66.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	27.912	ppb	7.7	1740.17	0.0098	Pulse	0.1000	3
Tl	205	159	He	-0.084	ppb	N/A	150.01	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.178	ppb	17.5	303.35	0.0017	Pulse	0.1000	3
U	238	209	He	0.015	ppb	104.8	203.34	0.0015	Pulse	0.1000	3

ISTD Table:

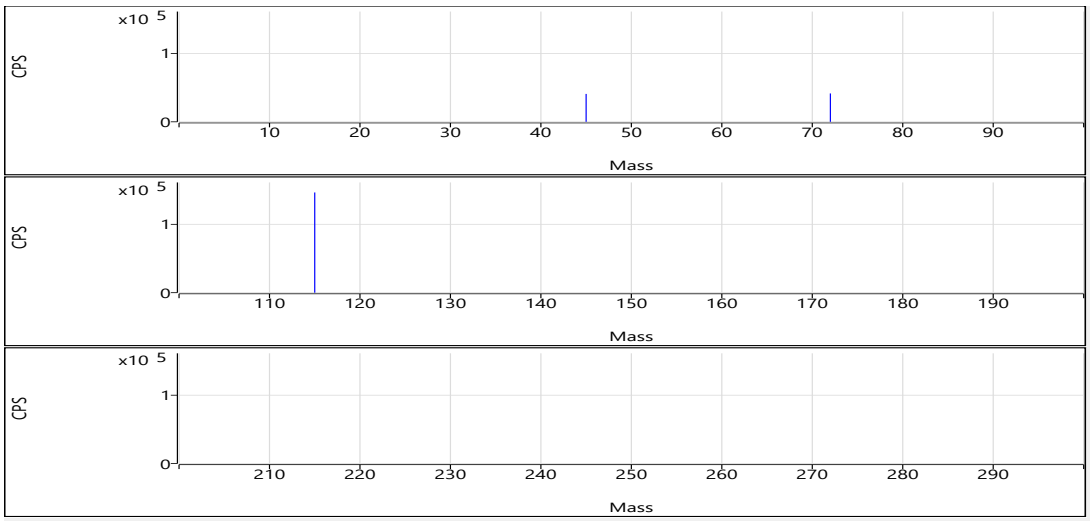
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1017963.94	1.4	97.4	Analog	0.1000	3
No Gas	Ge	72	596581.64	0.9	99.2	Pulse	0.1000	3
H2	Sc	45	40970.40	2.3	96.9	Pulse	0.1000	3
H2	Ge	72	41663.21	2.0	95.0	Pulse	0.1000	3
H2	In	115	147197.56	1.0	97.7	Pulse	0.1000	3
He	Sc	45	11264.84	0.8	98.6	Pulse	0.1000	3
He	Ge	72	24676.00	2.1	97.4	Pulse	0.1000	3
He	In	115	26560.15	2.6	97.3	Pulse	0.1000	3
He	Tb	159	177424.12	0.3	100.6	Pulse	0.1000	3
He	Bi	209	139836.13	2.9	103.7	Pulse	0.1000	3

No Gas

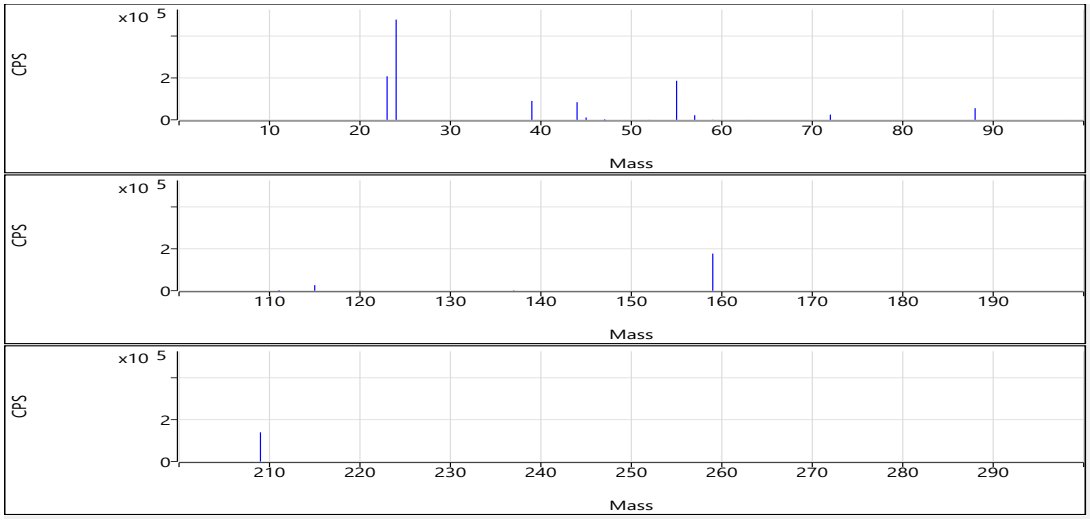


H2



Quantitation Report

He



Quantitation Report

Data File Name	146SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:07:08 PM
Sample Name	410-235858-K-3-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

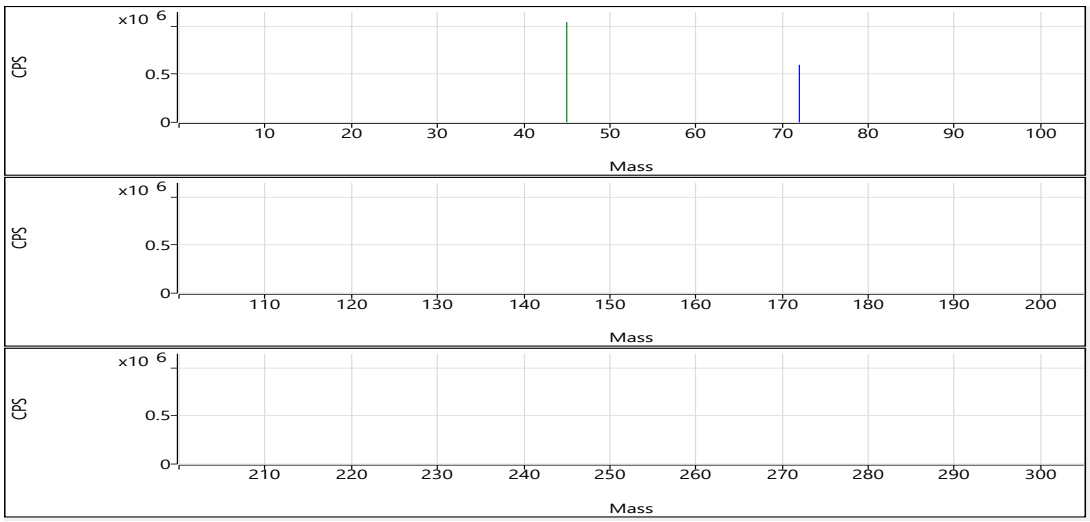
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.225	ppb	62.1	7.78	0.0002	Pulse	1.5000	3
Na	23	72	He	22293.169	ug/L	2.2	982178.27	40.6815	Analog	0.1000	3
Mg	24	72	He	80801.128	ug/L	2.5	1816237.52	75.2323	Analog	0.1000	3
Al	27	72	He	3.588	ug/L	144.1	66.67	0.0028	Pulse	0.1000	3
K	39	72	He	25218.019	ppb	1.9	323228.83	13.3871	Pulse	0.1000	3
Ca	44	72	He	402256.779	ppb	2.0	338452.01	14.0179	Pulse	0.1000	3
Ti	47	159	He	0.438	ppb	304.3	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.125	ppb	54.6	158.67	0.0066	Pulse	0.5000	3
Cr	52	45	He	0.047	ppb	516.9	510.03	0.0465	Pulse	0.1000	3
Mn	55	45	He	647.408	ppb	1.0	124478.56	11.3317	Pulse	0.1000	3
Fe	57	72	He	66.143	ppb	2.8	793.39	0.0329	Pulse	0.1000	3
Co	59	72	He	0.305	ppb	20.8	483.36	0.0200	Pulse	0.1000	3
Ni	60	72	He	0.747	ppb	20.7	410.02	0.0170	Pulse	0.1000	3
Cu	63	72	He	6.823	ppb	2.3	7258.82	0.3007	Pulse	0.1000	3
Zn	66	72	He	2.705	ppb	26.9	300.01	0.0125	Pulse	0.1000	3
As	75	45	He	0.034	ppb	179.6	12.00	0.0011	Pulse	0.5000	3
Sr	88	159	He	963.918	ppb	1.8	233225.01	1.3184	Pulse	0.1000	3
Mo	98	159	He	0.054	ppb	21.9	110.00	0.0006	Pulse	0.1000	3
Ag	107	159	He	-0.002	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.057	ppb	20.2	15.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.950	ppb	N/A	1343.45	0.0076	Pulse	0.1000	3
Sb	121	159	He	0.022	ppb	58.8	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	42.458	ppb	1.6	7539.07	0.0426	Pulse	0.1000	3
Tl	205	159	He	-0.007	ppb	N/A	206.68	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.047	ppb	37.3	346.69	0.0020	Pulse	0.1000	3
U	238	209	He	0.356	ppb	6.7	3300.56	0.0249	Pulse	0.1000	3

ISTD Table:

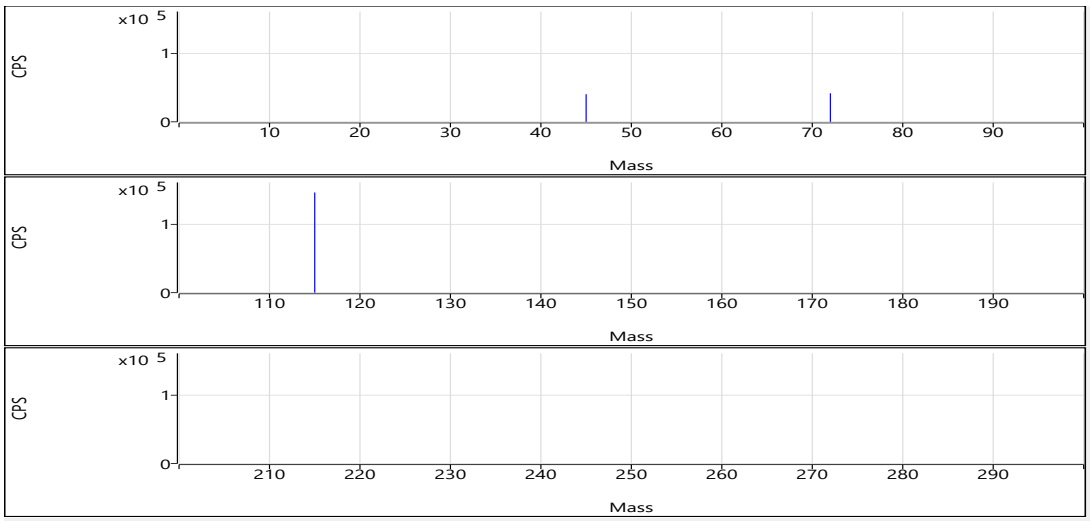
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1043141.65	0.6	99.8	Analog	0.1000	3
No Gas	Ge	72	598656.28	1.1	99.6	Pulse	0.1000	3
H2	Sc	45	40558.88	2.8	96.0	Pulse	0.1000	3
H2	Ge	72	41981.05	1.7	95.7	Pulse	0.1000	3
H2	In	115	147387.08	0.3	97.8	Pulse	0.1000	3
He	Sc	45	10984.69	1.3	96.2	Pulse	0.1000	3
He	Ge	72	24151.63	2.5	95.3	Pulse	0.1000	3
He	In	115	26610.19	3.4	97.5	Pulse	0.1000	3
He	Tb	159	176921.37	1.1	100.3	Pulse	0.1000	3
He	Bi	209	132625.06	0.7	98.3	Pulse	0.1000	3

No Gas

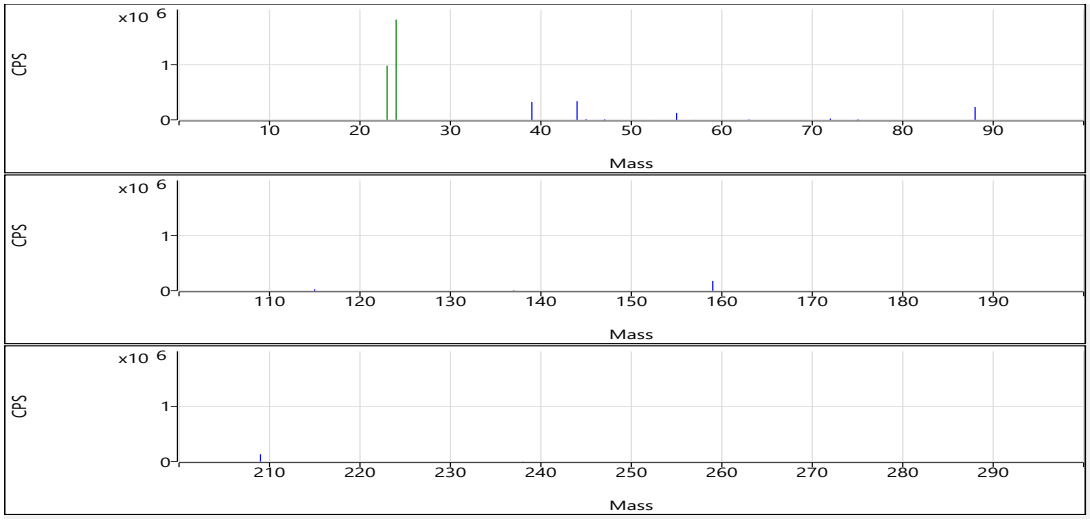


H2



Quantitation Report

He



Quantitation Report

Data File Name	146SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:09:32 PM
Sample Name	410-235858-K-3-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

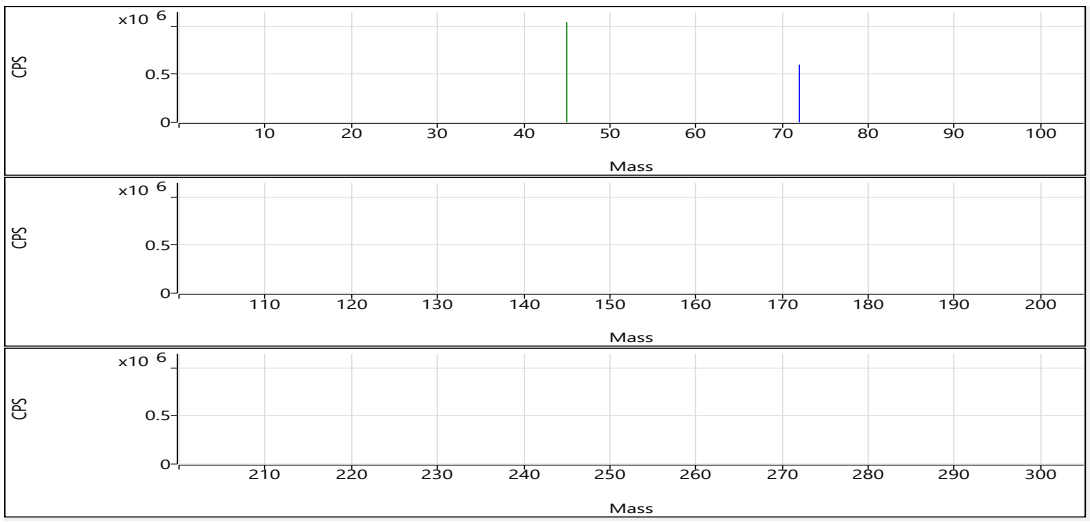
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.075	ug/L	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.071	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	21767.314	ug/L	1.7	201985.02	8.1241	Pulse	0.1000	3
Mg	24	72	He	81726.322	ug/L	2.2	378456.38	15.2238	Pulse	0.1000	3
Al	27	72	He	21.502	ug/L	88.7	73.33	0.0029	Pulse	0.1000	3
K	39	72	He	25388.111	ppb	0.5	68626.48	2.7593	Pulse	0.1000	3
Ca	44	72	He	405114.254	ppb	2.7	70204.80	2.8242	Pulse	0.1000	3
Ti	47	159	He	-2.274	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.377	ppb	23.6	144.00	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.288	ppb	N/A	470.02	0.0416	Pulse	0.1000	3
Mn	55	45	He	649.710	ppb	1.2	25727.43	2.2780	Pulse	0.1000	3
Fe	57	72	He	97.596	ppb	22.4	303.35	0.0122	Pulse	0.1000	3
Co	59	72	He	0.179	ppb	51.3	153.34	0.0062	Pulse	0.1000	3
Ni	60	72	He	0.239	ppb	358.1	166.67	0.0067	Pulse	0.1000	3
Cu	63	72	He	7.475	ppb	4.2	1740.17	0.0700	Pulse	0.1000	3
Zn	66	72	He	2.119	ppb	71.0	90.00	0.0036	Pulse	0.1000	3
As	75	45	He	0.020	ppb	1227.4	10.67	0.0009	Pulse	0.5000	3
Sr	88	159	He	996.298	ppb	3.4	48884.38	0.2741	Pulse	0.1000	3
Mo	98	159	He	0.032	ppb	348.9	66.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.022	ppb	275.3	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.109	ppb	43.7	8.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.943	ppb	N/A	1446.80	0.0081	Pulse	0.1000	3
Sb	121	159	He	0.325	ppb	51.7	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	33.108	ppb	22.2	1913.55	0.0107	Pulse	0.1000	3
Tl	205	159	He	-0.067	ppb	N/A	170.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.295	ppb	9.4	396.69	0.0022	Pulse	0.1000	3
U	238	209	He	0.387	ppb	7.5	883.40	0.0064	Pulse	0.1000	3

ISTD Table:

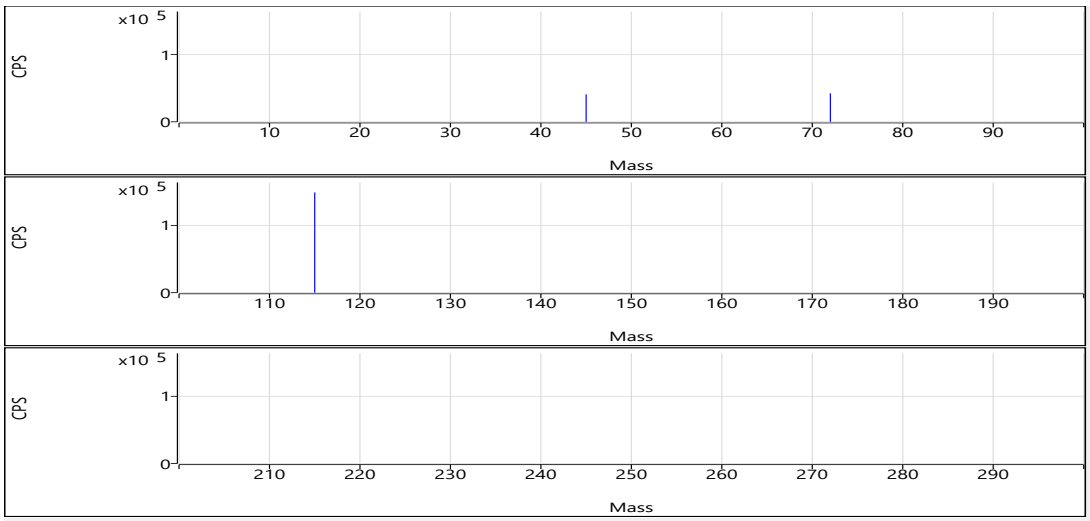
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1042096.68	0.2	99.7	Analog	0.1000	3
No Gas	Ge	72	600047.34	0.5	99.8	Pulse	0.1000	3
H2	Sc	45	40873.38	0.9	96.7	Pulse	0.1000	3
H2	Ge	72	42281.75	1.2	96.4	Pulse	0.1000	3
H2	In	115	149102.81	0.7	98.9	Pulse	0.1000	3
He	Sc	45	11294.90	2.0	98.9	Pulse	0.1000	3
He	Ge	72	24869.71	2.8	98.2	Pulse	0.1000	3
He	In	115	27471.93	0.8	100.6	Pulse	0.1000	3
He	Tb	159	178337.94	0.4	101.1	Pulse	0.1000	3
He	Bi	209	138071.56	1.7	102.4	Pulse	0.1000	3

No Gas

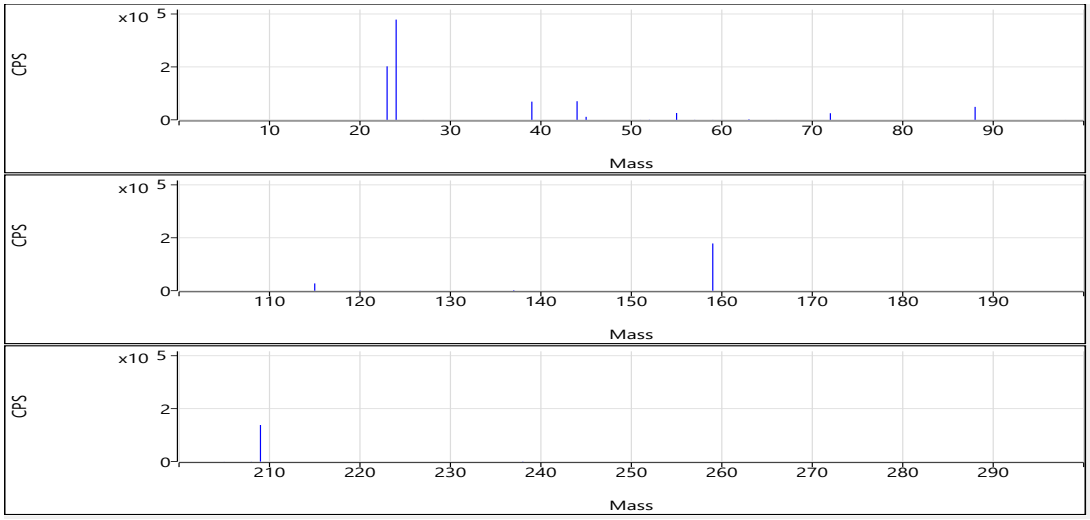


H2



Quantitation Report

He



Quantitation Report

Data File Name	147SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:11:26 PM
Sample Name	410-235925-R-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

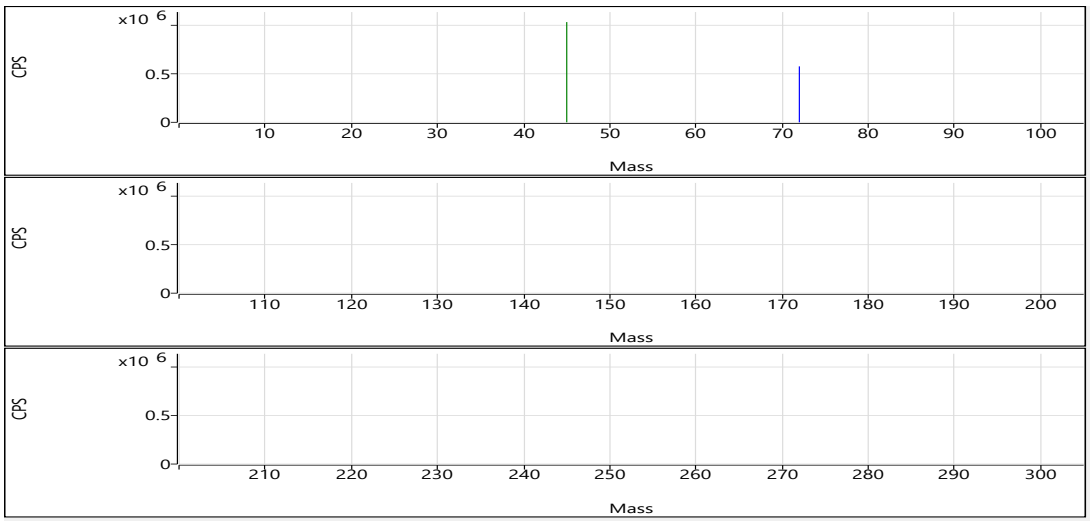
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.000	ug/L	N/A	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	2.206	ppb	5.3	57.11	0.0014	Pulse	1.5000	3
Na	23	72	He	1251974.742	ug/L	1.5	54667699.18	2,272.3354	Analog	0.1000	3
Mg	24	72	He	124737.687	ug/L	1.5	2794029.34	116.1374	Analog	0.1000	3
Al	27	72	He	11.264	ug/L	8.1	113.34	0.0047	Pulse	0.1000	3
K	39	72	He	206976.111	ppb	0.9	2629679.34	109.2983	Analog	0.1000	3
Ca	44	72	He	92497.174	ppb	1.7	77562.88	3.2241	Pulse	0.1000	3
Ti	47	159	He	0.987	ppb	82.7	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	3.021	ppb	4.8	1252.07	0.0521	Pulse	0.5000	3
Cr	52	45	He	4.319	ppb	3.5	2687.03	0.2457	Pulse	0.1000	3
Mn	55	45	He	1704.334	ppb	1.8	326198.97	29.8237	Pulse	0.1000	3
Fe	57	72	He	793.582	ppb	3.4	8542.88	0.3551	Pulse	0.1000	3
Co	59	72	He	25.231	ppb	3.1	31179.12	1.2962	Pulse	0.1000	3
Ni	60	72	He	160.528	ppb	0.6	56558.17	2.3505	Pulse	0.1000	3
Cu	63	72	He	16.976	ppb	1.8	17808.57	0.7402	Pulse	0.1000	3
Zn	66	72	He	106.805	ppb	1.6	10013.91	0.4162	Pulse	0.1000	3
As	75	45	He	4.935	ppb	14.5	281.34	0.0258	Pulse	0.5000	3
Sr	88	159	He	581.392	ppb	0.4	134126.84	0.7960	Pulse	0.1000	3
Mo	98	159	He	1.046	ppb	6.4	980.07	0.0058	Pulse	0.1000	3
Ag	107	159	He	-0.001	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.070	ppb	30.2	17.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	0.125	ppb	286.0	1860.19	0.0110	Pulse	0.1000	3
Sb	121	159	He	0.355	ppb	25.3	166.68	0.0010	Pulse	0.1000	3
Ba	137	159	He	401.890	ppb	2.1	61057.64	0.3624	Pulse	0.1000	3
Tl	205	159	He	0.084	ppb	12.7	680.05	0.0040	Pulse	0.1000	3
Pb	208	159	He	1.065	ppb	7.0	4114.20	0.0244	Pulse	0.1000	3
U	238	209	He	4.119	ppb	0.7	32697.19	0.2749	Pulse	0.1000	3

ISTD Table:

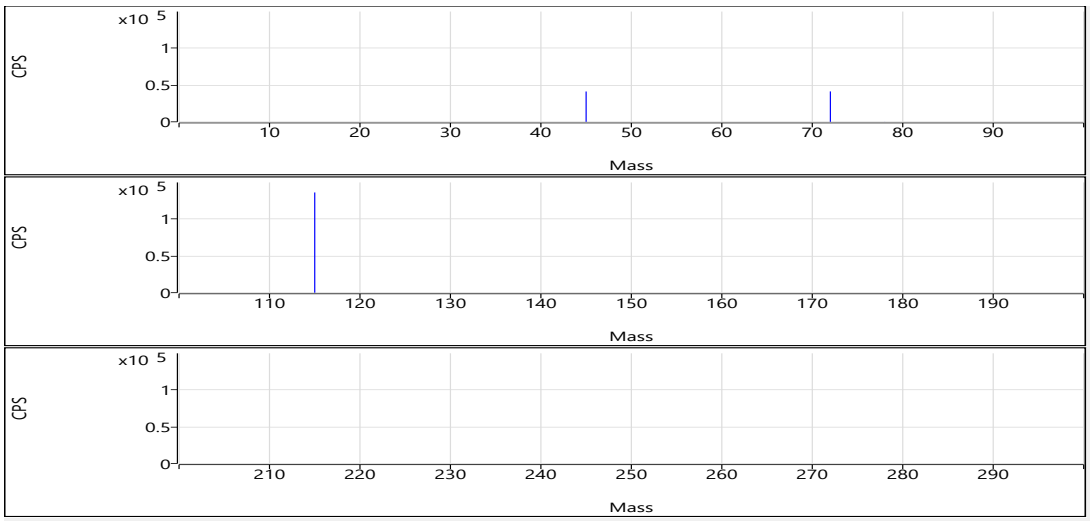
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027405.84	0.9	98.3	Analog	0.1000	3
No Gas	Ge	72	573288.29	0.6	95.3	Pulse	0.1000	3
H2	Sc	45	41167.40	0.5	97.4	Pulse	0.1000	3
H2	Ge	72	41272.14	2.5	94.1	Pulse	0.1000	3
H2	In	115	136078.64	1.7	90.3	Pulse	0.1000	3
He	Sc	45	10941.24	2.8	95.8	Pulse	0.1000	3
He	Ge	72	24061.58	1.5	95.0	Pulse	0.1000	3
He	In	115	25371.23	2.5	93.0	Pulse	0.1000	3
He	Tb	159	168506.05	0.6	95.5	Pulse	0.1000	3
He	Bi	209	118944.95	3.1	88.2	Pulse	0.1000	3

No Gas

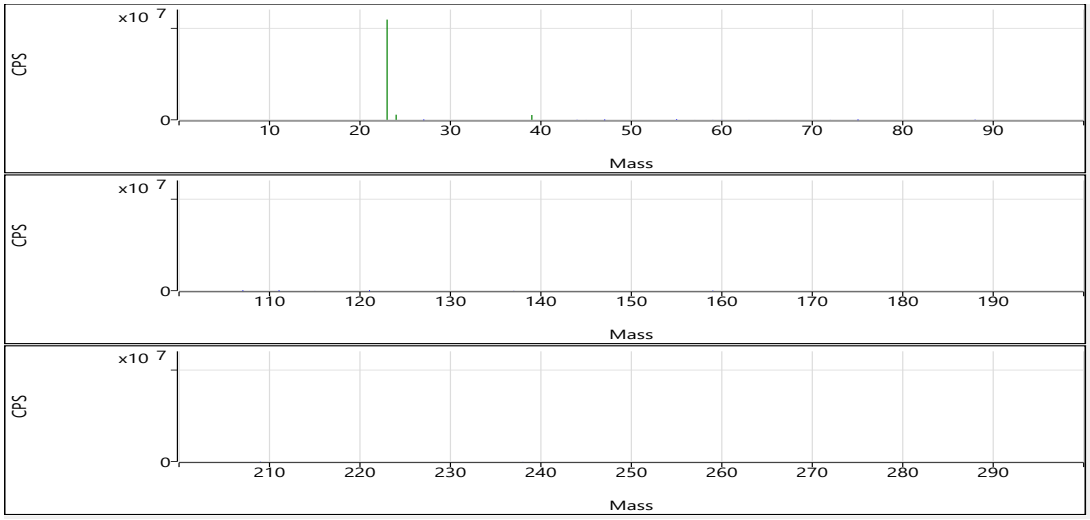


H2



Quantitation Report

He



Quantitation Report

Data File Name	147SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:13:51 PM
Sample Name	410-235925-R-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	10.0000
Total Dilution	10.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

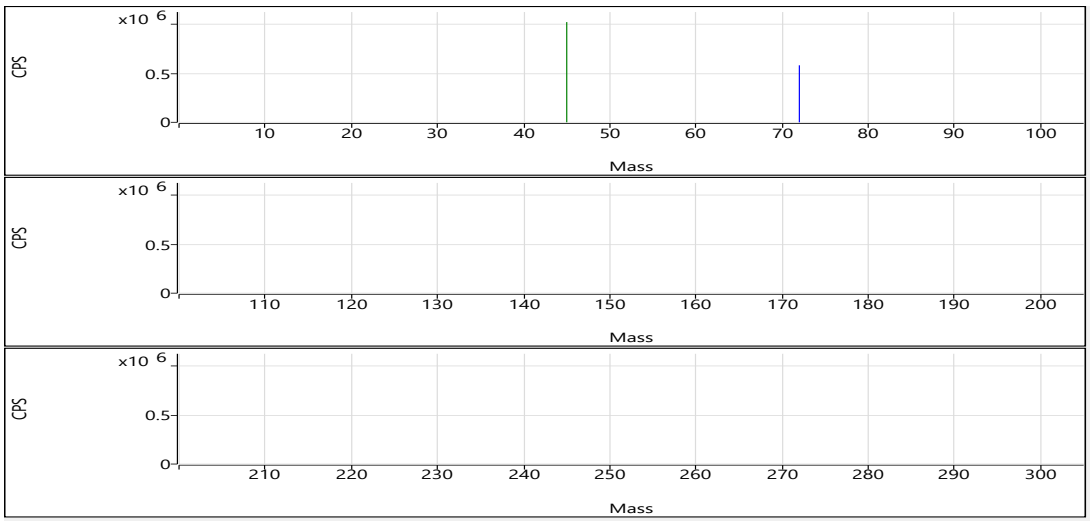
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.118	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	1.987	ppb	52.7	7.11	0.0002	Pulse	1.5000	3
Na	23	72	He	1334666.115	ug/L	2.3	5839507.62	242.4415	Analog	0.1000	3
Mg	24	72	He	131489.279	ug/L	2.7	294989.31	12.2480	Pulse	0.1000	3
Al	27	72	He	-13.013	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	218131.429	ppb	1.8	279192.30	11.5904	Pulse	0.1000	3
Ca	44	72	He	100164.074	ppb	4.2	8432.80	0.3500	Pulse	0.1000	3
Ti	47	159	He	-9.032	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	3.737	ppb	20.9	252.00	0.0105	Pulse	0.5000	3
Cr	52	45	He	2.470	ppb	70.2	633.37	0.0558	Pulse	0.1000	3
Mn	55	45	He	1780.797	ppb	3.7	35498.87	3.1203	Pulse	0.1000	3
Fe	57	72	He	869.593	ppb	7.5	1013.40	0.0421	Pulse	0.1000	3
Co	59	72	He	26.709	ppb	6.0	3397.20	0.1411	Pulse	0.1000	3
Ni	60	72	He	177.158	ppb	2.8	6378.34	0.2648	Pulse	0.1000	3
Cu	63	72	He	18.610	ppb	14.1	2063.57	0.0858	Pulse	0.1000	3
Zn	66	72	He	130.778	ppb	14.4	1266.77	0.0527	Pulse	0.1000	3
As	75	45	He	4.538	ppb	35.1	36.67	0.0032	Pulse	0.5000	3
Sr	88	159	He	593.096	ppb	3.4	14471.37	0.0830	Pulse	0.1000	3
Mo	98	159	He	1.286	ppb	5.0	176.68	0.0010	Pulse	0.1000	3
Ag	107	159	He	-0.014	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.126	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-6.699	ppb	N/A	1480.15	0.0085	Pulse	0.1000	3
Sb	121	159	He	1.411	ppb	50.3	76.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	415.194	ppb	4.7	7285.59	0.0418	Pulse	0.1000	3
Tl	205	159	He	-0.212	ppb	N/A	123.34	0.0007	Pulse	0.1000	3
Pb	208	159	He	1.966	ppb	6.9	916.74	0.0053	Pulse	0.1000	3
U	238	209	He	3.940	ppb	7.5	3630.67	0.0274	Pulse	0.1000	3

ISTD Table:

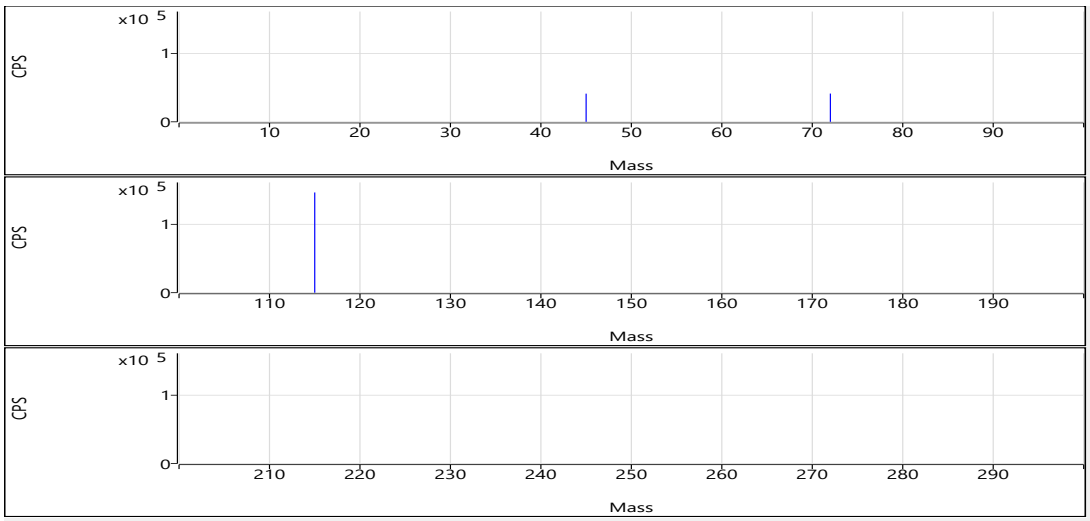
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1022161.76	0.6	97.8	Analog	0.1000	3
No Gas	Ge	72	581220.97	0.6	96.7	Pulse	0.1000	3
H2	Sc	45	41441.69	3.4	98.0	Pulse	0.1000	3
H2	Ge	72	41569.89	1.5	94.8	Pulse	0.1000	3
H2	In	115	147512.42	1.0	97.9	Pulse	0.1000	3
He	Sc	45	11384.96	3.1	99.7	Pulse	0.1000	3
He	Ge	72	24094.92	2.4	95.1	Pulse	0.1000	3
He	In	115	26773.82	1.1	98.1	Pulse	0.1000	3
He	Tb	159	174350.46	0.8	98.8	Pulse	0.1000	3
He	Bi	209	132271.46	2.1	98.1	Pulse	0.1000	3

No Gas

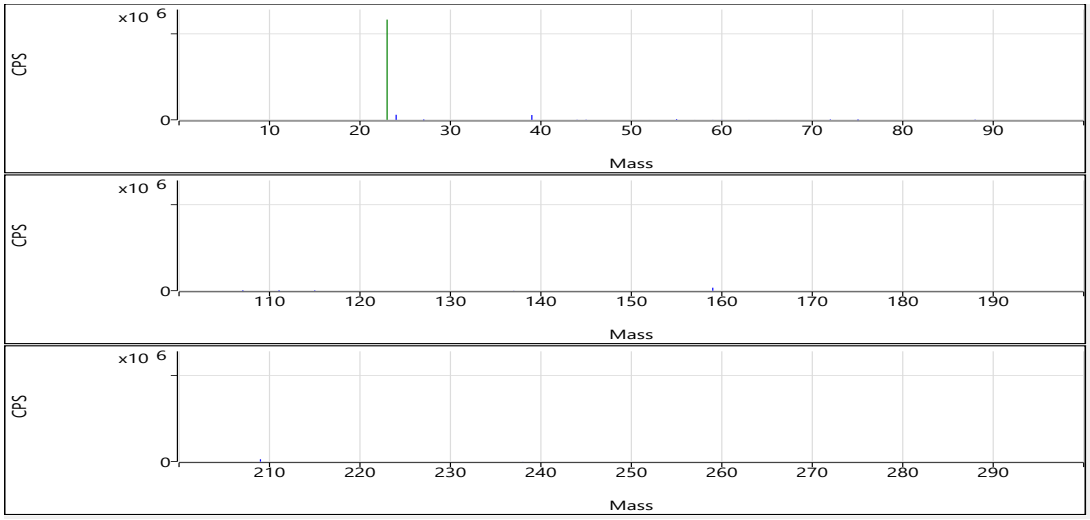


H2



Quantitation Report

He



Quantitation Report

Data File Name	148SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:15:44 PM
Sample Name	410-235858-I-13-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

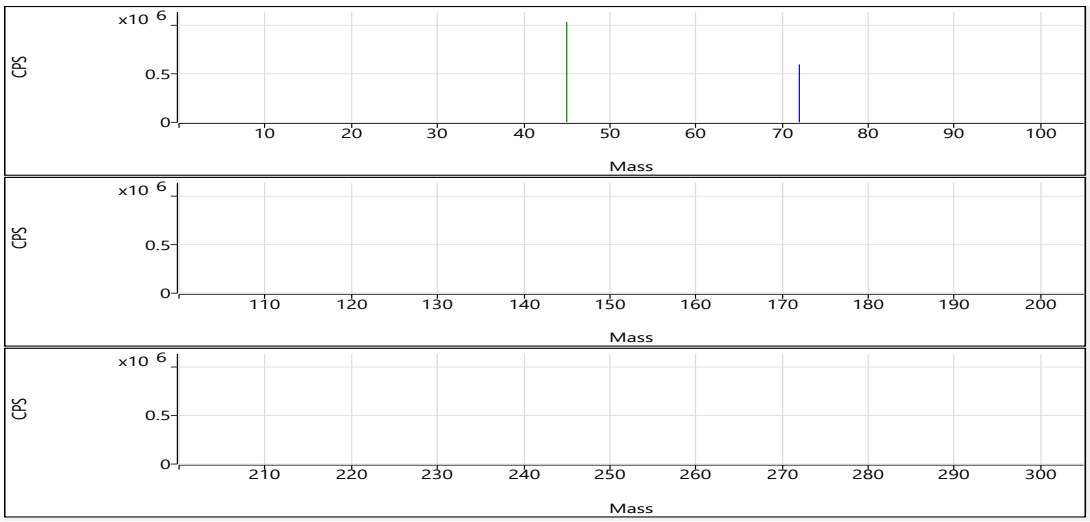
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.255	ppb	23.7	8.45	0.0002	Pulse	1.5000	3
Na	23	72	He	23613.986	ug/L	1.3	1042464.10	43.0785	Analog	0.1000	3
Mg	24	72	He	102953.006	ug/L	1.3	2319606.32	95.8558	Analog	0.1000	3
Al	27	72	He	-1.294	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	36920.696	ppb	1.6	473382.17	19.5624	Pulse	0.1000	3
Ca	44	72	He	444790.655	ppb	2.1	375059.27	15.5000	Pulse	0.1000	3
Ti	47	159	He	0.025	ppb	6400.2	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.056	ppb	49.8	132.67	0.0055	Pulse	0.5000	3
Cr	52	45	He	-0.290	ppb	N/A	350.02	0.0308	Pulse	0.1000	3
Mn	55	45	He	3385.339	ppb	3.1	676145.20	59.2347	Pulse	0.1000	3
Fe	57	72	He	74411.243	ppb	1.4	797839.34	32.9694	Pulse	0.1000	3
Co	59	72	He	5.023	ppb	1.9	6328.36	0.2615	Pulse	0.1000	3
Ni	60	72	He	2.978	ppb	13.7	1200.10	0.0495	Pulse	0.1000	3
Cu	63	72	He	0.221	ppb	42.5	360.02	0.0148	Pulse	0.1000	3
Zn	66	72	He	6.424	ppb	18.7	650.04	0.0269	Pulse	0.1000	3
As	75	45	He	0.165	ppb	6.4	20.00	0.0018	Pulse	0.5000	3
Sr	88	159	He	1016.403	ppb	1.1	242132.57	1.3900	Pulse	0.1000	3
Mo	98	159	He	0.037	ppb	74.7	93.33	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	354.7	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.071	ppb	28.4	18.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.653	ppb	N/A	1486.80	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	604.9	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	17.262	ppb	5.3	3517.24	0.0202	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.065	ppb	50.6	413.36	0.0024	Pulse	0.1000	3
U	238	209	He	0.227	ppb	2.2	2160.28	0.0163	Pulse	0.1000	3

ISTD Table:

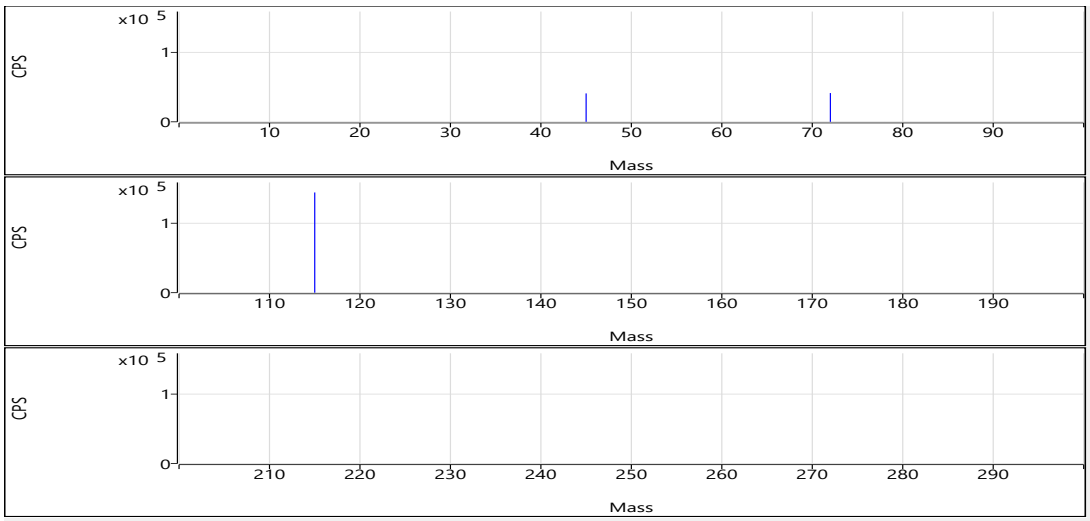
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1029832.92	0.5	98.5	Analog	0.1000	3
No Gas	Ge	72	594454.08	0.1	98.9	Pulse	0.1000	3
H2	Sc	45	40656.06	0.8	96.2	Pulse	0.1000	3
H2	Ge	72	41151.80	2.8	93.8	Pulse	0.1000	3
H2	In	115	143442.93	0.2	95.2	Pulse	0.1000	3
He	Sc	45	11421.65	3.0	100.0	Pulse	0.1000	3
He	Ge	72	24201.77	1.3	95.5	Pulse	0.1000	3
He	In	115	26927.60	1.2	98.7	Pulse	0.1000	3
He	Tb	159	174207.22	1.5	98.8	Pulse	0.1000	3
He	Bi	209	132217.51	2.4	98.0	Pulse	0.1000	3

No Gas

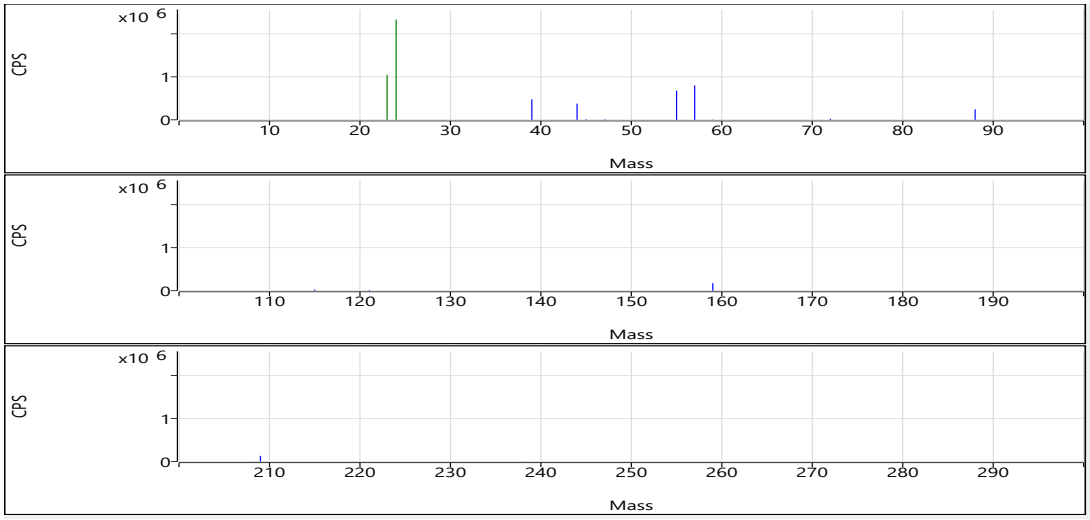


H2



Quantitation Report

He



Quantitation Report

Data File Name	148SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:18:10 PM
Sample Name	410-235858-I-13-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

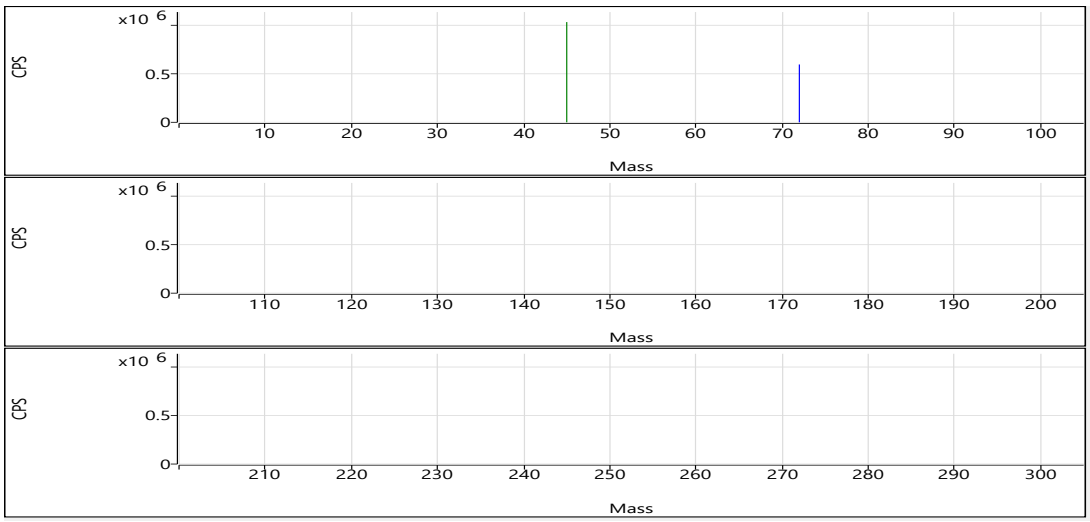
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.017	ug/L	N/A	24.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.108	ppb	121.7	2.67	0.0001	Pulse	1.5000	3
Na	23	72	He	22996.522	ug/L	1.4	211893.26	8.5702	Pulse	0.1000	3
Mg	24	72	He	103989.863	ug/L	0.8	478947.28	19.3693	Pulse	0.1000	3
Al	27	72	He	0.892	ug/L	1365.8	46.67	0.0019	Pulse	0.1000	3
K	39	72	He	36297.158	ppb	0.8	96709.05	3.9106	Pulse	0.1000	3
Ca	44	72	He	444363.880	ppb	2.4	76587.28	3.0978	Pulse	0.1000	3
Ti	47	159	He	-2.254	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.292	ppb	79.0	136.67	0.0055	Pulse	0.5000	3
Cr	52	45	He	0.149	ppb	726.6	506.70	0.0457	Pulse	0.1000	3
Mn	55	45	He	3568.986	ppb	4.0	139255.88	12.4932	Pulse	0.1000	3
Fe	57	72	He	75556.516	ppb	0.9	165622.25	6.6982	Pulse	0.1000	3
Co	59	72	He	4.920	ppb	2.0	1353.45	0.0547	Pulse	0.1000	3
Ni	60	72	He	2.115	ppb	60.4	303.35	0.0122	Pulse	0.1000	3
Cu	63	72	He	0.622	ppb	41.0	263.35	0.0106	Pulse	0.1000	3
Zn	66	72	He	8.521	ppb	56.0	213.34	0.0086	Pulse	0.1000	3
As	75	45	He	0.089	ppb	443.9	11.33	0.0010	Pulse	0.5000	3
Sr	88	159	He	1010.941	ppb	2.9	49315.80	0.2781	Pulse	0.1000	3
Mo	98	159	He	0.051	ppb	272.7	70.00	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.060	ppb	96.7	56.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.015	ppb	308.4	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.086	ppb	N/A	1536.81	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.688	ppb	78.0	76.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	12.297	ppb	13.9	1246.77	0.0070	Pulse	0.1000	3
Tl	205	159	He	-0.129	ppb	N/A	100.00	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.396	ppb	6.8	473.36	0.0027	Pulse	0.1000	3
U	238	209	He	0.234	ppb	23.4	606.71	0.0044	Pulse	0.1000	3

ISTD Table:

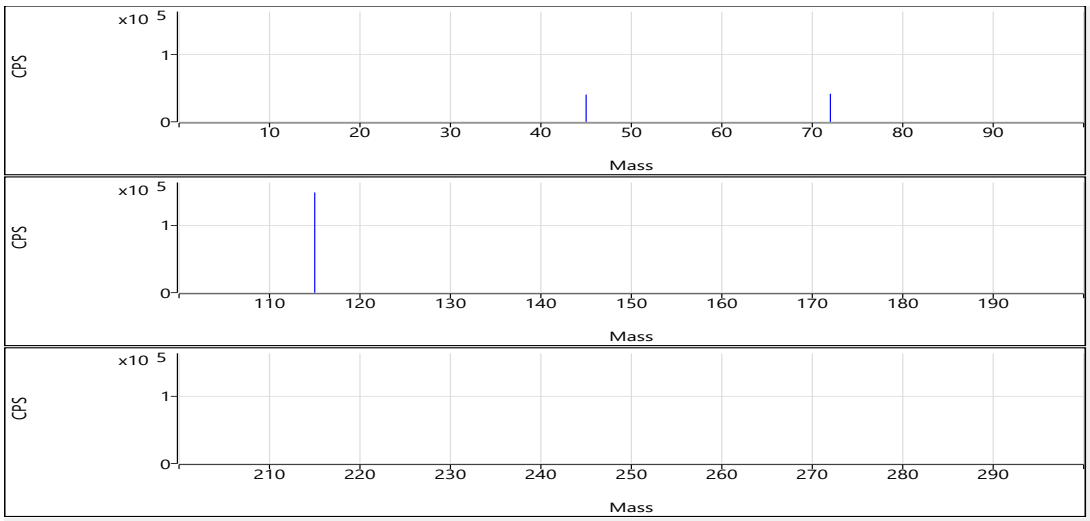
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036828.13	0.9	99.2	Analog	0.1000	3
No Gas	Ge	72	598182.80	0.4	99.5	Pulse	0.1000	3
H2	Sc	45	40585.65	1.1	96.0	Pulse	0.1000	3
H2	Ge	72	41910.68	2.3	95.5	Pulse	0.1000	3
H2	In	115	149642.53	0.8	99.3	Pulse	0.1000	3
He	Sc	45	11158.14	4.3	97.7	Pulse	0.1000	3
He	Ge	72	24729.39	2.2	97.6	Pulse	0.1000	3
He	In	115	27198.12	1.7	99.6	Pulse	0.1000	3
He	Tb	159	177299.73	1.5	100.5	Pulse	0.1000	3
He	Bi	209	138830.35	3.2	102.9	Pulse	0.1000	3

No Gas

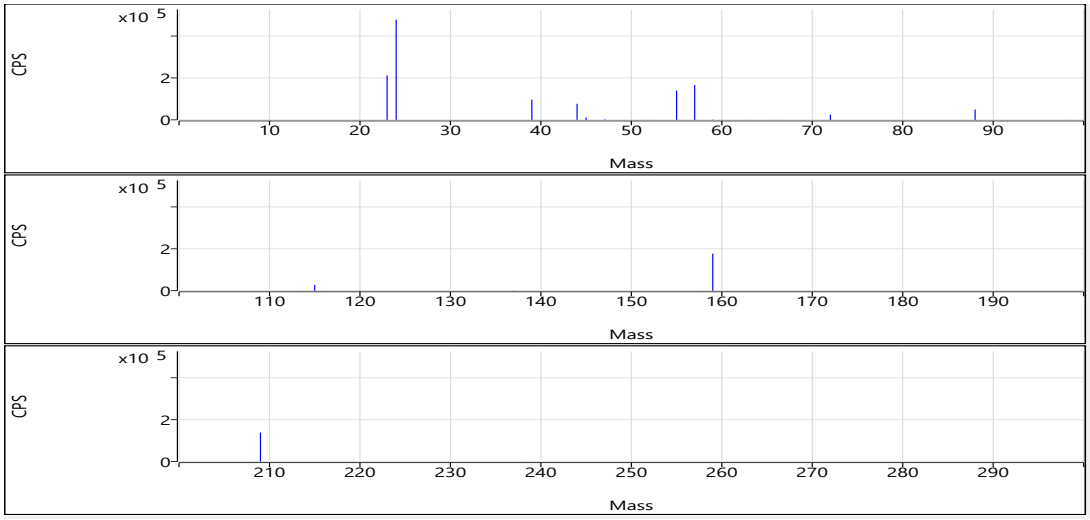


H2



Quantitation Report

He



Quantitation Report

Data File Name	149SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:20:03 PM
Sample Name	410-235858-K-11-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

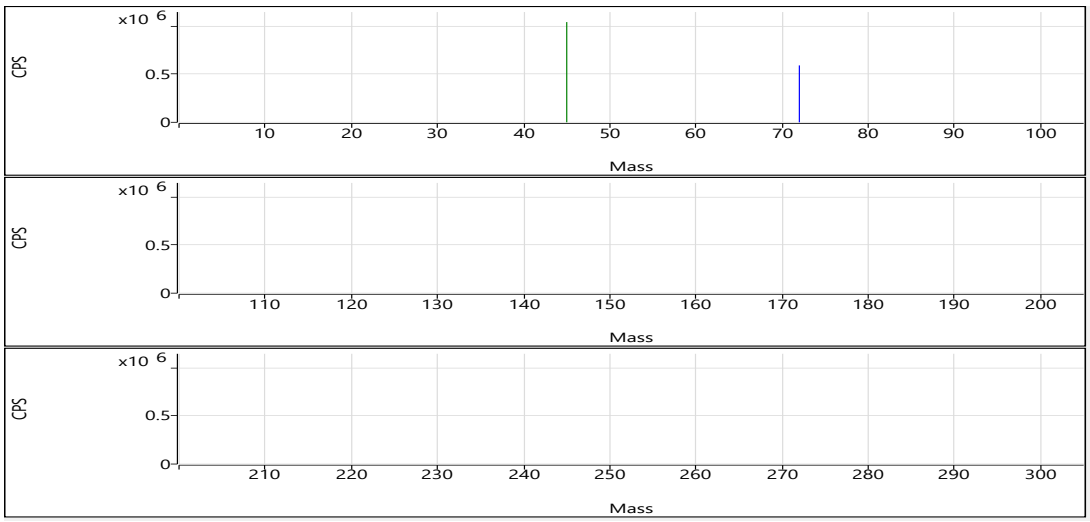
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.157	ppb	36.9	6.00	0.0001	Pulse	1.5000	3
Na	23	72	He	23269.132	ug/L	1.6	1040733.61	42.4527	Analog	0.1000	3
Mg	24	72	He	103642.563	ug/L	1.5	2365687.26	96.4978	Analog	0.1000	3
Al	27	72	He	-1.895	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	34175.958	ppb	1.5	444095.90	18.1141	Pulse	0.1000	3
Ca	44	72	He	491331.357	ppb	1.9	419757.43	17.1218	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.093	ppb	45.7	148.67	0.0061	Pulse	0.5000	3
Cr	52	45	He	-0.214	ppb	N/A	393.35	0.0343	Pulse	0.1000	3
Mn	55	45	He	4561.607	ppb	1.4	914237.96	79.8147	Pulse	0.1000	3
Fe	57	72	He	10148.828	ppb	0.6	110322.18	4.4997	Pulse	0.1000	3
Co	59	72	He	2.031	ppb	4.2	2657.02	0.1083	Pulse	0.1000	3
Ni	60	72	He	0.124	ppb	103.6	193.34	0.0079	Pulse	0.1000	3
Cu	63	72	He	0.569	ppb	10.7	733.38	0.0299	Pulse	0.1000	3
Zn	66	72	He	0.300	ppb	84.0	76.67	0.0031	Pulse	0.1000	3
As	75	45	He	0.118	ppb	19.2	17.33	0.0015	Pulse	0.5000	3
Sr	88	159	He	1129.620	ppb	1.8	268137.90	1.5446	Pulse	0.1000	3
Mo	98	159	He	0.030	ppb	126.7	86.67	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	164.6	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	1991.0	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.605	ppb	N/A	1510.14	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	2674.3	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	30.701	ppb	4.4	5581.33	0.0322	Pulse	0.1000	3
Tl	205	159	He	-0.024	ppb	N/A	110.00	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.073	ppb	23.0	440.03	0.0025	Pulse	0.1000	3
U	238	209	He	0.000	ppb	4343.0	166.68	0.0013	Pulse	0.1000	3

ISTD Table:

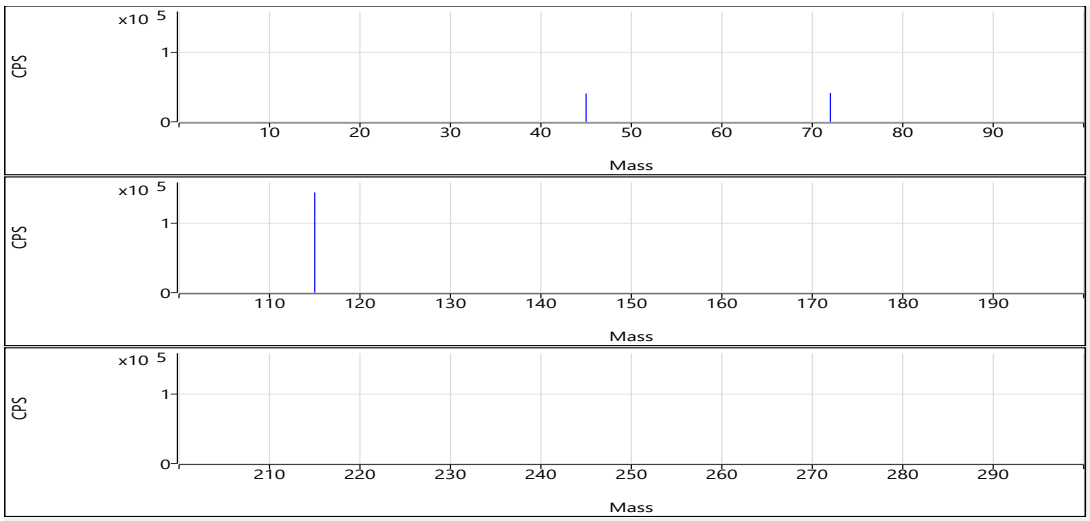
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1042248.63	0.7	99.7	Analog	0.1000	3
No Gas	Ge	72	591608.64	1.0	98.4	Pulse	0.1000	3
H2	Sc	45	40465.75	3.3	95.7	Pulse	0.1000	3
H2	Ge	72	41459.42	2.6	94.5	Pulse	0.1000	3
H2	In	115	143916.52	2.0	95.5	Pulse	0.1000	3
He	Sc	45	11455.11	0.9	100.3	Pulse	0.1000	3
He	Ge	72	24518.98	1.6	96.8	Pulse	0.1000	3
He	In	115	26366.48	2.6	96.6	Pulse	0.1000	3
He	Tb	159	173606.40	0.7	98.4	Pulse	0.1000	3
He	Bi	209	131806.57	1.2	97.7	Pulse	0.1000	3

No Gas

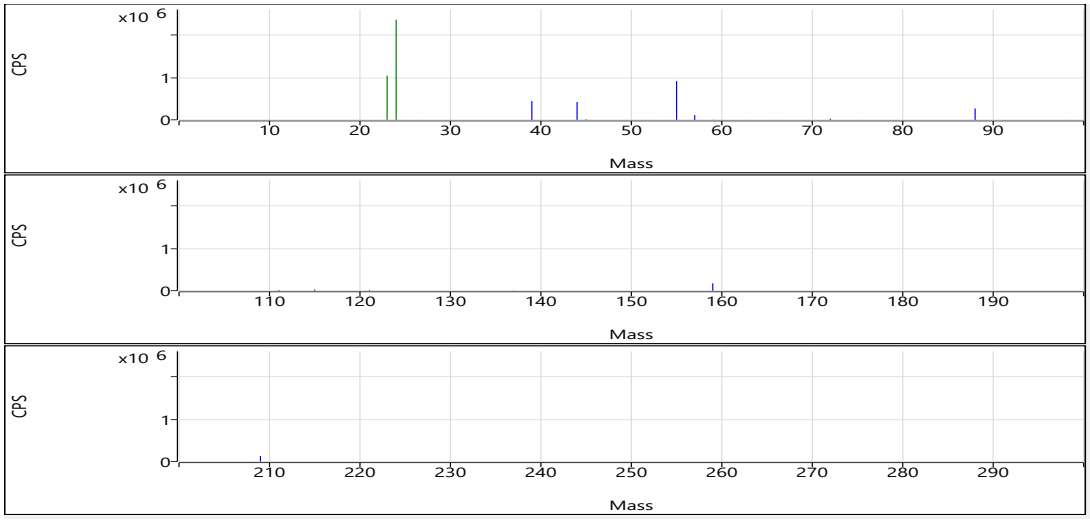


H2



Quantitation Report

He



Quantitation Report

Data File Name	149SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:30:30 PM
Sample Name	410-235858-K-11-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

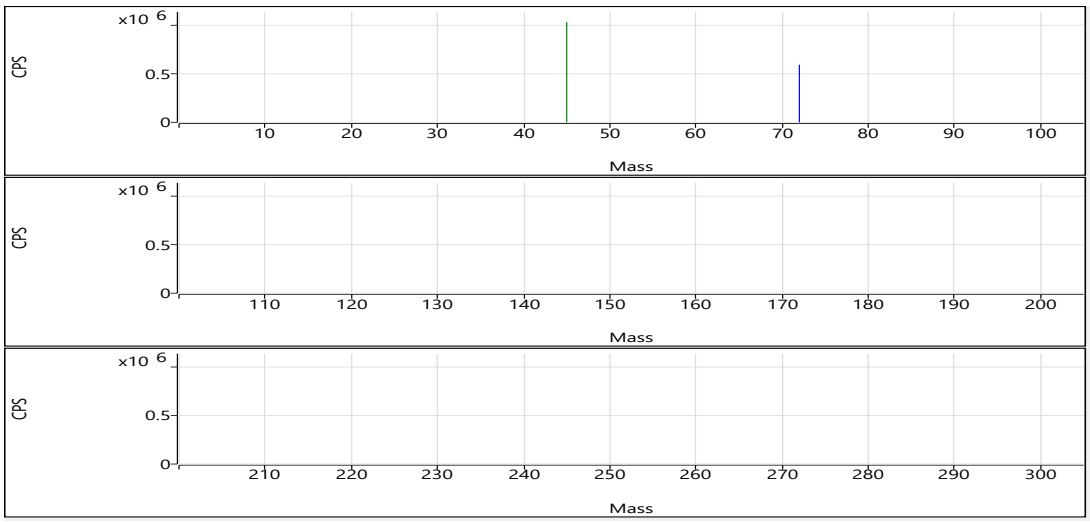
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.036	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.110	ppb	N/A	1.55	0.0000	Pulse	1.5000	3
Na	23	72	He	23253.221	ug/L	3.1	210955.46	8.6634	Pulse	0.1000	3
Mg	24	72	He	106797.587	ug/L	2.5	484416.88	19.8921	Pulse	0.1000	3
Al	27	72	He	-3.986	ug/L	N/A	40.00	0.0016	Pulse	0.1000	3
K	39	72	He	34669.292	ppb	1.9	91058.33	3.7388	Pulse	0.1000	3
Ca	44	72	He	502510.583	ppb	2.3	85310.55	3.5030	Pulse	0.1000	3
Ti	47	159	He	-2.213	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.193	ppb	147.5	126.67	0.0052	Pulse	0.5000	3
Cr	52	45	He	-1.001	ppb	N/A	380.02	0.0349	Pulse	0.1000	3
Mn	55	45	He	4961.422	ppb	3.1	188856.68	17.3656	Pulse	0.1000	3
Fe	57	72	He	10828.492	ppb	2.1	23453.65	0.9630	Pulse	0.1000	3
Co	59	72	He	2.179	ppb	15.3	650.04	0.0267	Pulse	0.1000	3
Ni	60	72	He	0.039	ppb	675.1	150.01	0.0062	Pulse	0.1000	3
Cu	63	72	He	1.230	ppb	39.6	386.69	0.0159	Pulse	0.1000	3
Zn	66	72	He	-0.085	ppb	N/A	46.67	0.0019	Pulse	0.1000	3
As	75	45	He	-0.124	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	1150.548	ppb	0.8	54676.19	0.3163	Pulse	0.1000	3
Mo	98	159	He	0.006	ppb	2780.5	60.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	-0.022	ppb	N/A	20.00	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.063	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.187	ppb	N/A	1486.81	0.0086	Pulse	0.1000	3
Sb	121	159	He	0.451	ppb	87.2	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	24.581	ppb	13.2	1593.50	0.0092	Pulse	0.1000	3
Tl	205	159	He	-0.053	ppb	N/A	180.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.359	ppb	6.7	433.36	0.0025	Pulse	0.1000	3
U	238	209	He	-0.005	ppb	N/A	163.34	0.0012	Pulse	0.1000	3

ISTD Table:

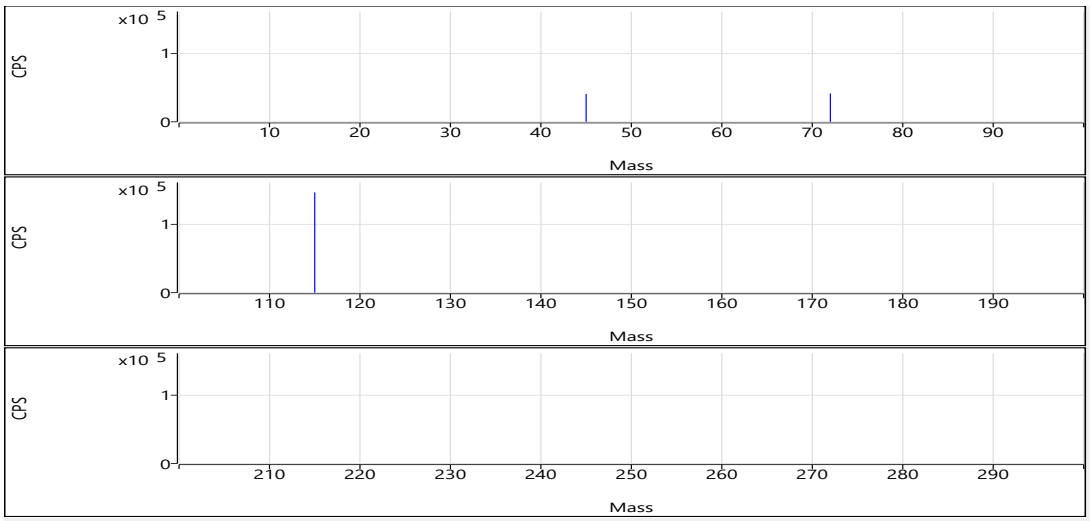
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036903.66	0.5	99.2	Analog	0.1000	3
No Gas	Ge	72	595974.87	1.1	99.1	Pulse	0.1000	3
H2	Sc	45	40869.78	3.5	96.7	Pulse	0.1000	3
H2	Ge	72	41602.88	0.8	94.8	Pulse	0.1000	3
H2	In	115	147112.08	1.2	97.6	Pulse	0.1000	3
He	Sc	45	10881.19	2.7	95.3	Pulse	0.1000	3
He	Ge	72	24362.09	2.5	96.2	Pulse	0.1000	3
He	In	115	26219.61	2.9	96.1	Pulse	0.1000	3
He	Tb	159	172886.75	0.7	98.0	Pulse	0.1000	3
He	Bi	209	136909.68	1.1	101.5	Pulse	0.1000	3

No Gas

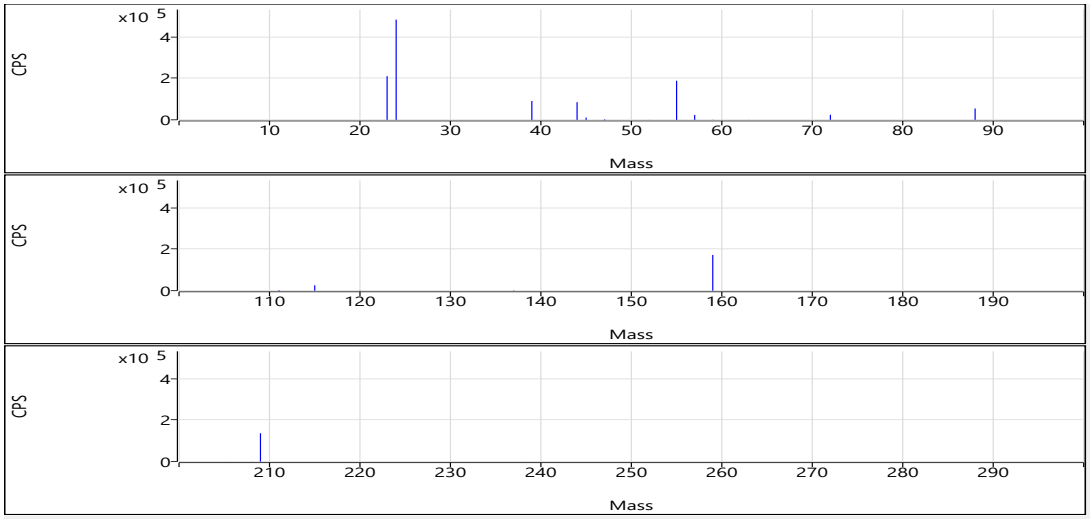


H2



Quantitation Report

He



Quantitation Report

Data File Name	151_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:24:04 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

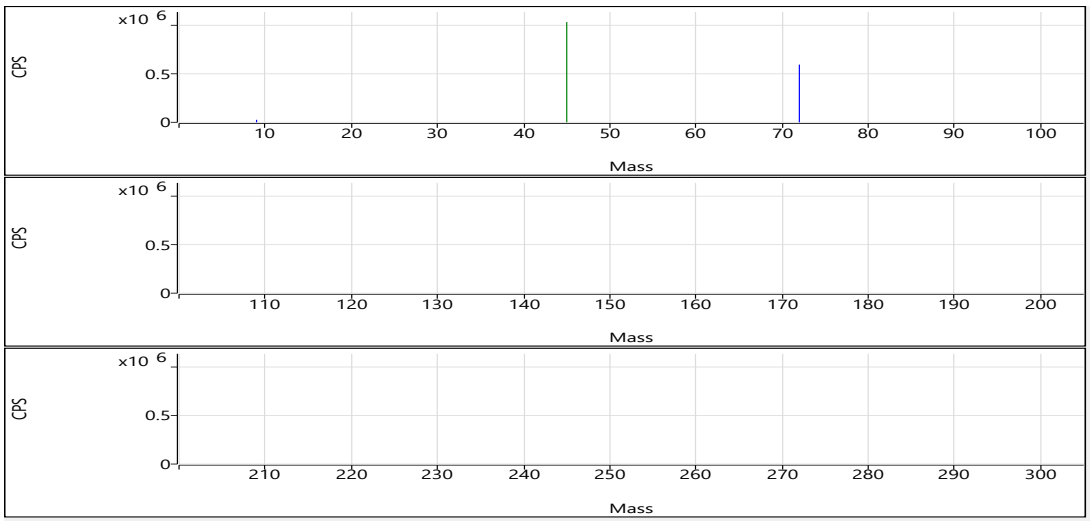
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.995	ug/L	0.7	25565.82	0.0247	Pulse	0.5000	3
Se	78	72	H2	50.018	ppb	1.4	1253.17	0.0303	Pulse	1.5000	3
Na	23	72	He	5079.164	ug/L	2.3	228302.69	9.4411	Pulse	0.1000	3
Mg	24	72	He	5016.839	ug/L	2.7	113093.55	4.6770	Pulse	0.1000	3
Al	27	72	He	5024.618	ug/L	3.3	30957.62	1.2804	Pulse	0.1000	3
K	39	72	He	4957.263	ppb	3.7	65177.70	2.6958	Pulse	0.1000	3
Ca	44	72	He	4958.083	ppb	3.1	4204.13	0.1737	Pulse	0.1000	3
Ti	47	159	He	4984.025	ppb	2.3	36684.91	0.2087	Pulse	0.1000	3
V	51	72	He	505.829	ppb	3.1	192217.61	7.9500	Pulse	0.5000	3
Cr	52	45	He	496.526	ppb	2.6	265690.58	23.1943	Pulse	0.1000	3
Mn	55	45	He	487.530	ppb	3.2	97750.24	8.5344	Pulse	0.1000	3
Fe	57	72	He	4991.305	ppb	1.9	53563.30	2.2148	Pulse	0.1000	3
Co	59	72	He	488.789	ppb	3.0	605194.60	25.0299	Pulse	0.1000	3
Ni	60	72	He	511.063	ppb	2.8	180620.08	7.4700	Pulse	0.1000	3
Cu	63	72	He	510.614	ppb	2.3	534694.43	22.1115	Pulse	0.1000	3
Zn	66	72	He	498.459	ppb	3.6	46789.46	1.9351	Pulse	0.1000	3
As	75	45	He	496.377	ppb	2.9	28649.51	2.5011	Pulse	0.5000	3
Sr	88	159	He	48.961	ppb	3.4	12109.10	0.0689	Pulse	0.1000	3
Mo	98	159	He	50.409	ppb	0.8	46443.31	0.2641	Pulse	0.1000	3
Ag	107	159	He	50.030	ppb	1.9	109593.96	0.6233	Pulse	0.1000	3
Cd	111	159	He	49.901	ppb	2.0	10485.44	0.0596	Pulse	0.5000	3
Sn	120	159	He	49.650	ppb	1.4	29843.84	0.1697	Pulse	0.1000	3
Sb	121	159	He	49.678	ppb	2.4	22522.91	0.1281	Pulse	0.1000	3
Ba	137	159	He	492.729	ppb	0.8	77928.18	0.4432	Pulse	0.1000	3
Tl	205	159	He	49.859	ppb	1.9	277698.96	1.5793	Pulse	0.1000	3
Pb	208	159	He	49.752	ppb	0.7	193056.40	1.0979	Pulse	0.1000	3
U	238	209	He	49.861	ppb	1.1	447292.86	3.3138	Pulse	0.1000	3

ISTD Table:

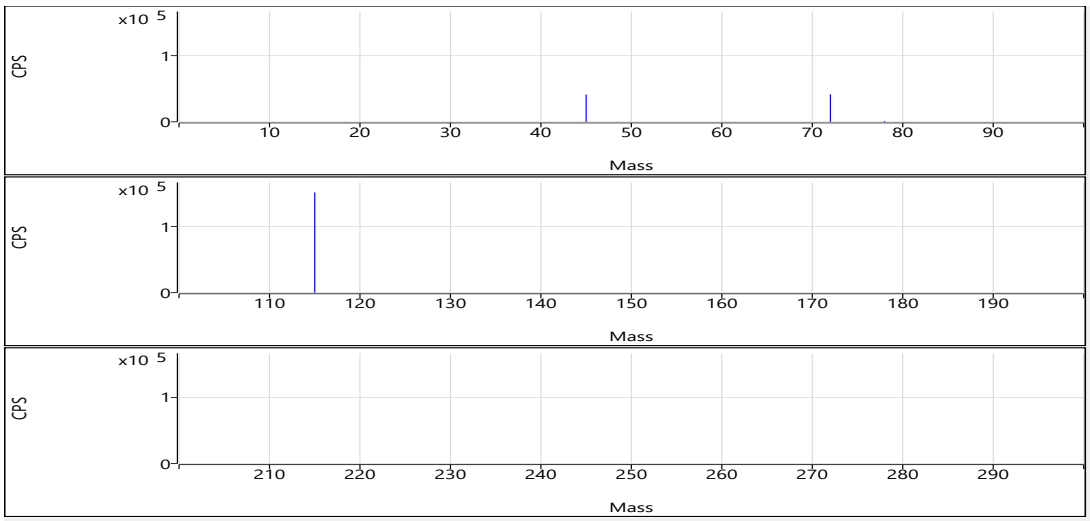
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1034846.00	0.6	99.0	Analog	0.1000	3
No Gas	Ge	72	595622.24	0.2	99.1	Pulse	0.1000	3
H2	Sc	45	41027.13	2.8	97.1	Pulse	0.1000	3
H2	Ge	72	41433.11	1.7	94.4	Pulse	0.1000	3
H2	In	115	150878.62	1.0	100.1	Pulse	0.1000	3
He	Sc	45	11461.63	3.3	100.4	Pulse	0.1000	3
He	Ge	72	24191.67	2.7	95.5	Pulse	0.1000	3
He	In	115	26803.90	2.7	98.2	Pulse	0.1000	3
He	Tb	159	175847.61	1.5	99.7	Pulse	0.1000	3
He	Bi	209	134966.43	1.3	100.1	Pulse	0.1000	3

No Gas

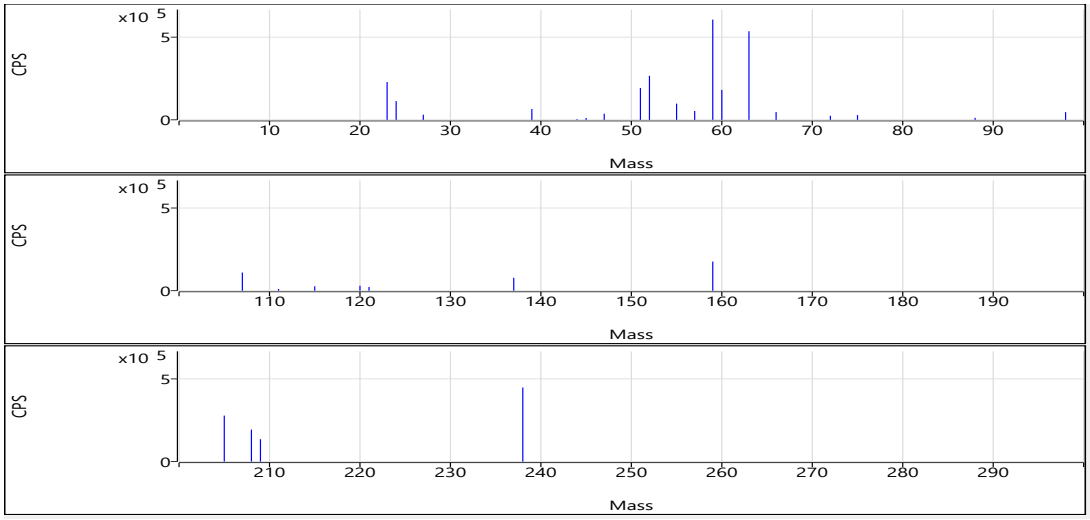


H2



Quantitation Report

He



Quantitation Report

Data File Name	153_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:28:05 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

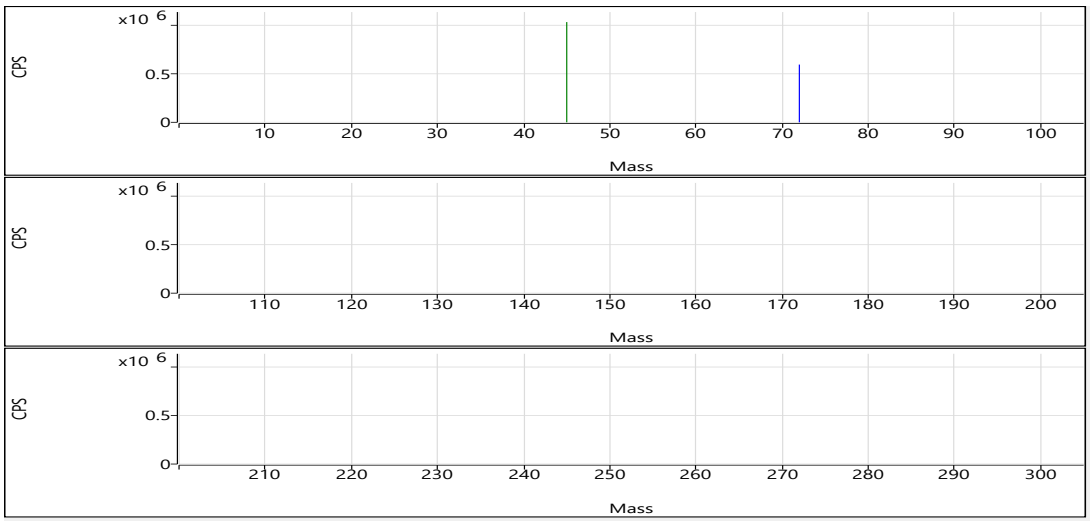
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.004	ug/L	N/A	23.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.075	ppb	N/A	0.22	0.0000	Pulse	1.5000	3
Na	23	72	He	27.288	ug/L	18.5	6975.28	0.2728	Pulse	0.1000	3
Mg	24	72	He	2.888	ug/L	106.7	230.01	0.0090	Pulse	0.1000	3
Al	27	72	He	-3.640	ug/L	N/A	23.33	0.0009	Pulse	0.1000	3
K	39	72	He	14.007	ppb	153.4	2230.26	0.0873	Pulse	0.1000	3
Ca	44	72	He	37.379	ppb	93.5	56.67	0.0022	Pulse	0.1000	3
Ti	47	159	He	0.007	ppb	10736.4	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.041	ppb	103.1	134.00	0.0052	Pulse	0.5000	3
Cr	52	45	He	-0.109	ppb	N/A	443.36	0.0392	Pulse	0.1000	3
Mn	55	45	He	0.262	ppb	18.5	103.33	0.0091	Pulse	0.1000	3
Fe	57	72	He	3.475	ppb	69.4	130.01	0.0051	Pulse	0.1000	3
Co	59	72	He	0.004	ppb	87.2	116.67	0.0046	Pulse	0.1000	3
Ni	60	72	He	0.068	ppb	6.0	180.01	0.0070	Pulse	0.1000	3
Cu	63	72	He	0.095	ppb	17.1	240.01	0.0094	Pulse	0.1000	3
Zn	66	72	He	-0.138	ppb	N/A	36.67	0.0014	Pulse	0.1000	3
As	75	45	He	0.015	ppb	541.8	11.33	0.0010	Pulse	0.5000	3
Sr	88	159	He	-0.297	ppb	N/A	283.34	0.0016	Pulse	0.1000	3
Mo	98	159	He	-0.007	ppb	N/A	53.33	0.0003	Pulse	0.1000	3
Ag	107	159	He	-0.001	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.006	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.253	ppb	N/A	1723.51	0.0098	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	8647.5	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	-1.490	ppb	N/A	616.71	0.0035	Pulse	0.1000	3
Tl	205	159	He	-0.023	ppb	N/A	113.34	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.067	ppb	39.0	423.36	0.0024	Pulse	0.1000	3
U	238	209	He	0.003	ppb	226.7	196.68	0.0015	Pulse	0.1000	3

ISTD Table:

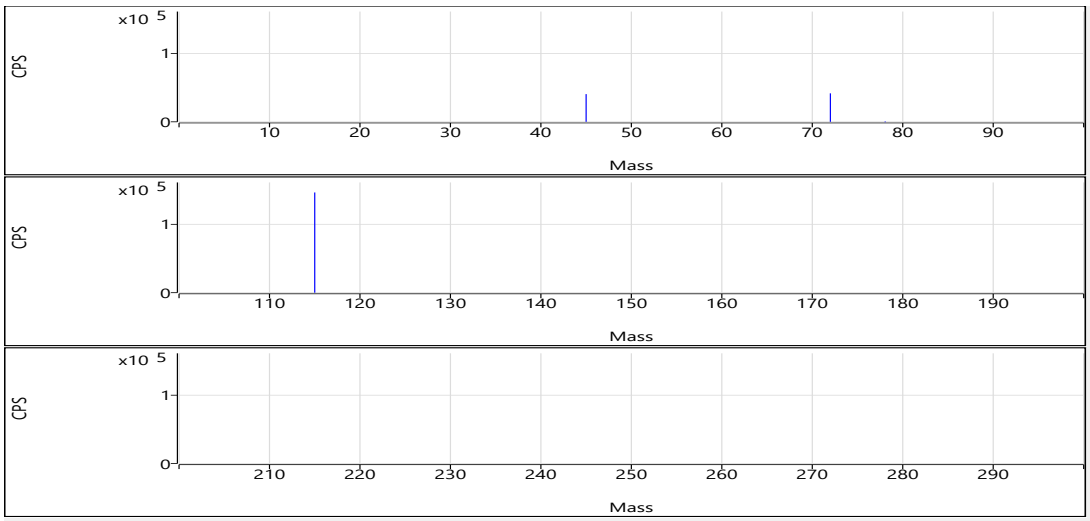
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1031644.72	0.4	98.7	Analog	0.1000	3
No Gas	Ge	72	594132.52	0.5	98.8	Pulse	0.1000	3
H2	Sc	45	40318.36	1.6	95.4	Pulse	0.1000	3
H2	Ge	72	41439.31	1.1	94.5	Pulse	0.1000	3
H2	In	115	145894.34	0.7	96.8	Pulse	0.1000	3
He	Sc	45	11261.55	6.2	98.6	Pulse	0.1000	3
He	Ge	72	25567.45	0.8	100.9	Pulse	0.1000	3
He	In	115	27007.65	3.2	98.9	Pulse	0.1000	3
He	Tb	159	175361.52	0.8	99.4	Pulse	0.1000	3
He	Bi	209	135873.04	2.2	100.7	Pulse	0.1000	3

No Gas

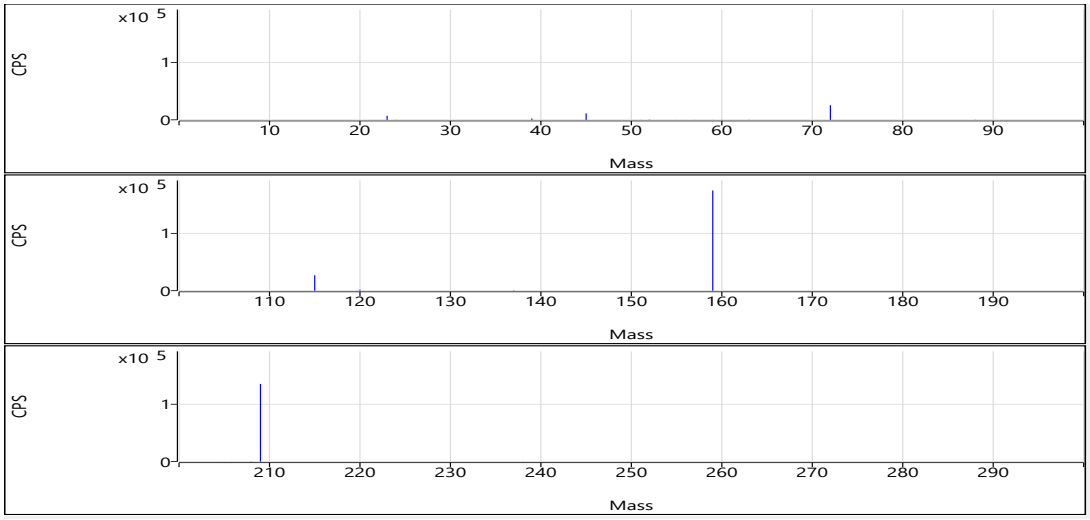


H2



Quantitation Report

He



Quantitation Report

Data File Name	154SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:32:24 PM
Sample Name	410-235858-I-19-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

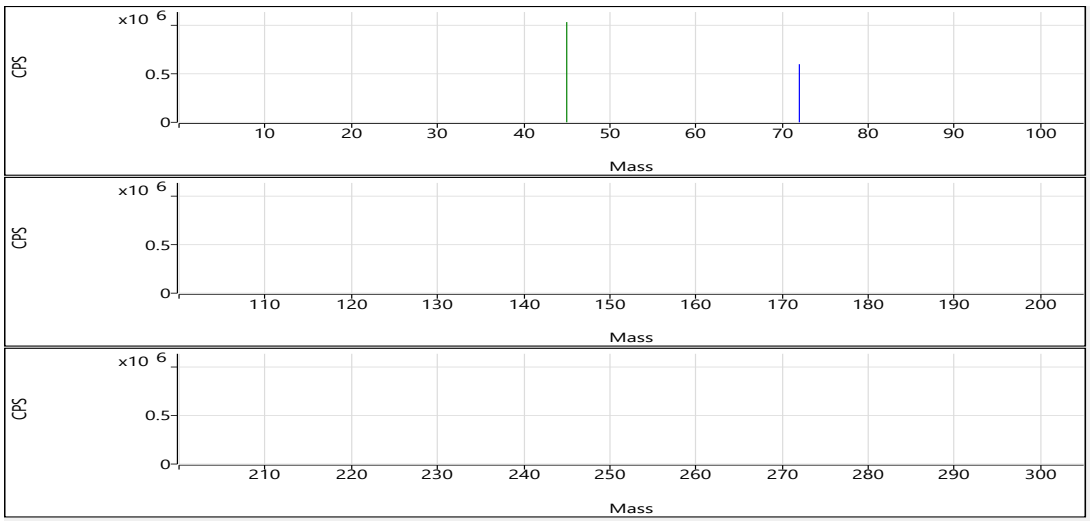
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.014	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.236	ppb	52.4	8.00	0.0002	Pulse	1.5000	3
Na	23	72	He	23854.538	ug/L	0.7	1074318.11	43.5151	Analog	0.1000	3
Mg	24	72	He	86555.567	ug/L	0.5	1989648.04	80.5897	Analog	0.1000	3
Al	27	72	He	-1.429	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	34686.253	ppb	1.1	453846.66	18.3833	Pulse	0.1000	3
Ca	44	72	He	382686.574	ppb	1.0	329238.87	13.3360	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.064	ppb	83.4	138.67	0.0056	Pulse	0.5000	3
Cr	52	45	He	-0.021	ppb	N/A	480.03	0.0433	Pulse	0.1000	3
Mn	55	45	He	2908.923	ppb	1.8	562558.83	50.8993	Pulse	0.1000	3
Fe	57	72	He	157757.193	ppb	1.0	1725532.47	69.8936	Analog	0.1000	3
Co	59	72	He	1.304	ppb	10.6	1756.84	0.0711	Pulse	0.1000	3
Ni	60	72	He	0.168	ppb	135.1	210.01	0.0085	Pulse	0.1000	3
Cu	63	72	He	0.243	ppb	28.7	390.02	0.0158	Pulse	0.1000	3
Zn	66	72	He	2.207	ppb	29.6	260.01	0.0105	Pulse	0.1000	3
As	75	45	He	0.201	ppb	11.9	21.33	0.0019	Pulse	0.5000	3
Sr	88	159	He	777.418	ppb	1.7	182154.51	1.0637	Pulse	0.1000	3
Mo	98	159	He	0.076	ppb	29.0	126.67	0.0007	Pulse	0.1000	3
Ag	107	159	He	0.010	ppb	84.1	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.001	ppb	2636.6	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.483	ppb	N/A	1556.82	0.0091	Pulse	0.1000	3
Sb	121	159	He	0.016	ppb	142.0	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	14.541	ppb	7.0	3043.81	0.0178	Pulse	0.1000	3
Tl	205	159	He	-0.026	ppb	N/A	96.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.071	ppb	39.6	426.69	0.0025	Pulse	0.1000	3
U	238	209	He	0.267	ppb	6.5	2473.67	0.0190	Pulse	0.1000	3

ISTD Table:

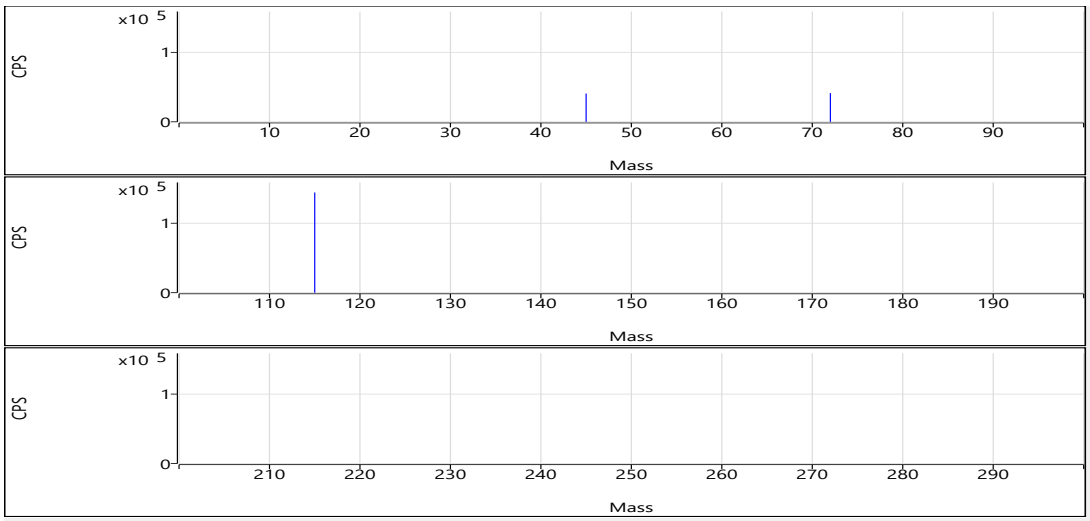
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036390.53	0.1	99.1	Analog	0.1000	3
No Gas	Ge	72	600742.74	1.0	99.9	Pulse	0.1000	3
H2	Sc	45	40859.86	0.4	96.7	Pulse	0.1000	3
H2	Ge	72	41472.91	3.4	94.5	Pulse	0.1000	3
H2	In	115	144938.10	1.4	96.2	Pulse	0.1000	3
He	Sc	45	11054.75	1.8	96.8	Pulse	0.1000	3
He	Ge	72	24689.40	0.9	97.5	Pulse	0.1000	3
He	In	115	26196.16	3.9	96.0	Pulse	0.1000	3
He	Tb	159	171260.62	0.8	97.1	Pulse	0.1000	3
He	Bi	209	130260.76	1.4	96.6	Pulse	0.1000	3

No Gas

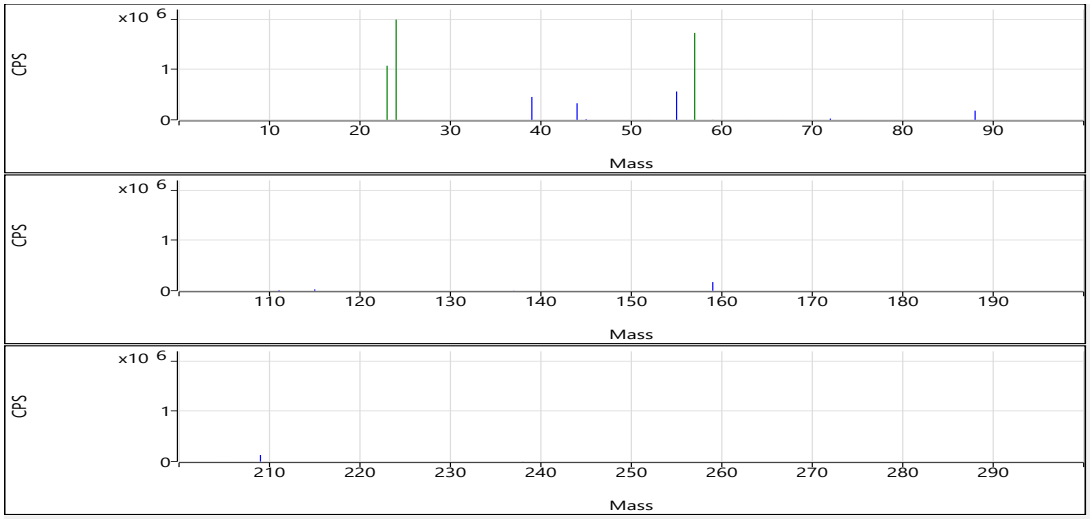


H2



Quantitation Report

He



Quantitation Report

Data File Name	154SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:34:50 PM
Sample Name	410-235858-I-19-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

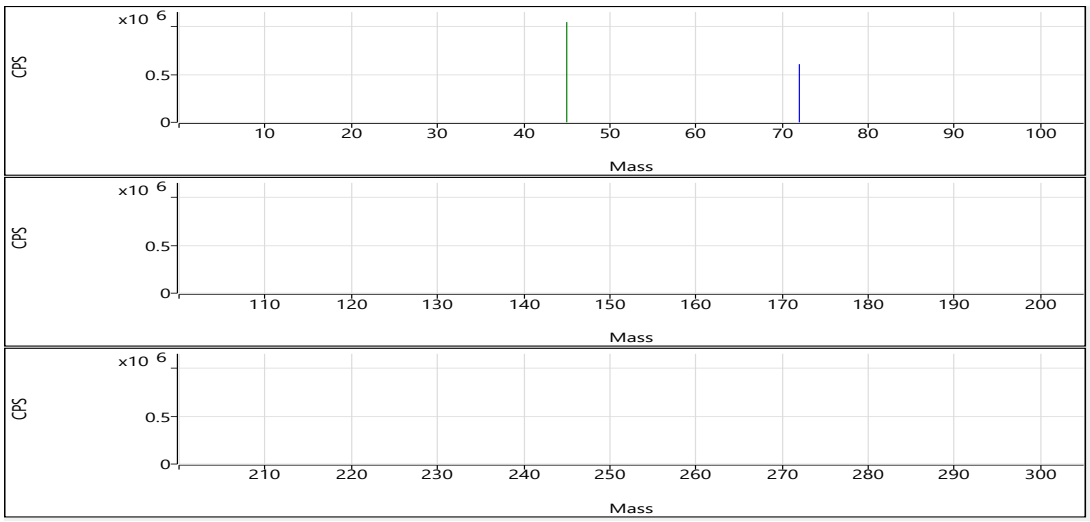
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.005	ug/L	1009.9	26.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.012	ppb	572.2	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	24475.757	ug/L	1.6	223703.44	9.1072	Pulse	0.1000	3
Mg	24	72	He	90100.168	ug/L	3.1	412152.79	16.7830	Pulse	0.1000	3
Al	27	72	He	-6.781	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	35953.718	ppb	2.8	95150.89	3.8743	Pulse	0.1000	3
Ca	44	72	He	399223.467	ppb	3.4	68345.83	2.7832	Pulse	0.1000	3
Ti	47	159	He	-2.234	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.171	ppb	194.5	126.00	0.0051	Pulse	0.5000	3
Cr	52	45	He	-1.101	ppb	N/A	386.69	0.0340	Pulse	0.1000	3
Mn	55	45	He	2978.325	ppb	4.4	118675.95	10.4264	Pulse	0.1000	3
Fe	57	72	He	167456.297	ppb	2.6	364488.77	14.8410	Pulse	0.1000	3
Co	59	72	He	1.804	ppb	10.3	560.03	0.0228	Pulse	0.1000	3
Ni	60	72	He	-0.167	ppb	N/A	136.68	0.0056	Pulse	0.1000	3
Cu	63	72	He	0.630	ppb	22.6	263.35	0.0107	Pulse	0.1000	3
Zn	66	72	He	2.895	ppb	41.0	103.33	0.0042	Pulse	0.1000	3
As	75	45	He	0.593	ppb	24.5	17.33	0.0015	Pulse	0.5000	3
Sr	88	159	He	775.911	ppb	3.1	37612.27	0.2139	Pulse	0.1000	3
Mo	98	159	He	0.182	ppb	47.4	93.34	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.053	ppb	88.1	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	21072.6	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.114	ppb	N/A	1520.15	0.0086	Pulse	0.1000	3
Sb	121	159	He	0.479	ppb	35.3	56.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	7.535	ppb	24.4	1086.75	0.0062	Pulse	0.1000	3
Tl	205	159	He	-0.122	ppb	N/A	106.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.254	ppb	30.6	360.02	0.0020	Pulse	0.1000	3
U	238	209	He	0.273	ppb	4.4	666.71	0.0049	Pulse	0.1000	3

ISTD Table:

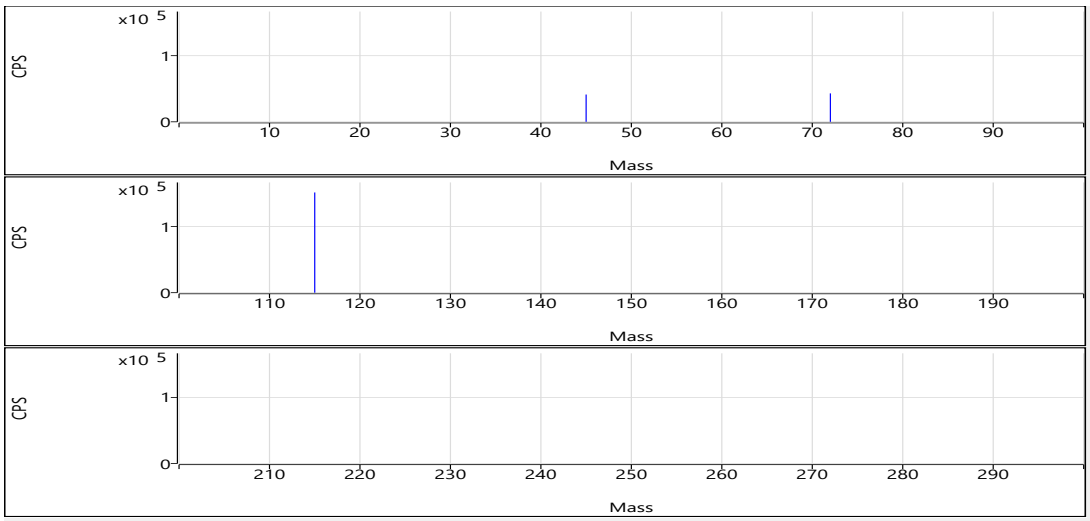
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1049363.48	0.6	100.4	Analog	0.1000	3
No Gas	Ge	72	608707.64	0.5	101.2	Pulse	0.1000	3
H2	Sc	45	40923.55	0.5	96.8	Pulse	0.1000	3
H2	Ge	72	42632.82	2.3	97.2	Pulse	0.1000	3
H2	In	115	150342.42	0.5	99.8	Pulse	0.1000	3
He	Sc	45	11398.30	4.8	99.8	Pulse	0.1000	3
He	Ge	72	24569.16	2.3	97.0	Pulse	0.1000	3
He	In	115	27188.31	1.3	99.6	Pulse	0.1000	3
He	Tb	159	175831.92	0.7	99.7	Pulse	0.1000	3
He	Bi	209	136454.85	2.5	101.2	Pulse	0.1000	3

No Gas

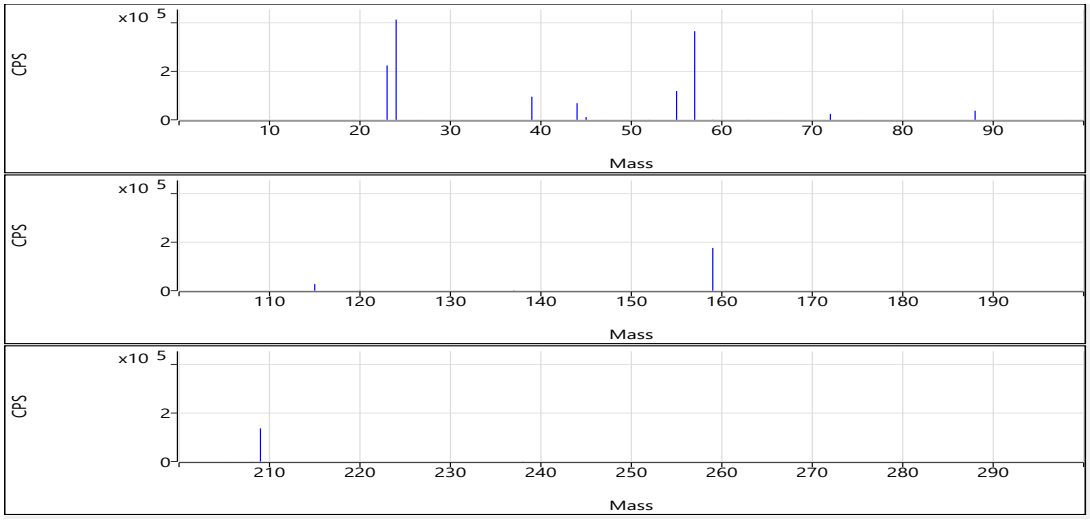


H2



Quantitation Report

He



Quantitation Report

Data File Name	155SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:36:43 PM
Sample Name	410-233143-B-2-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

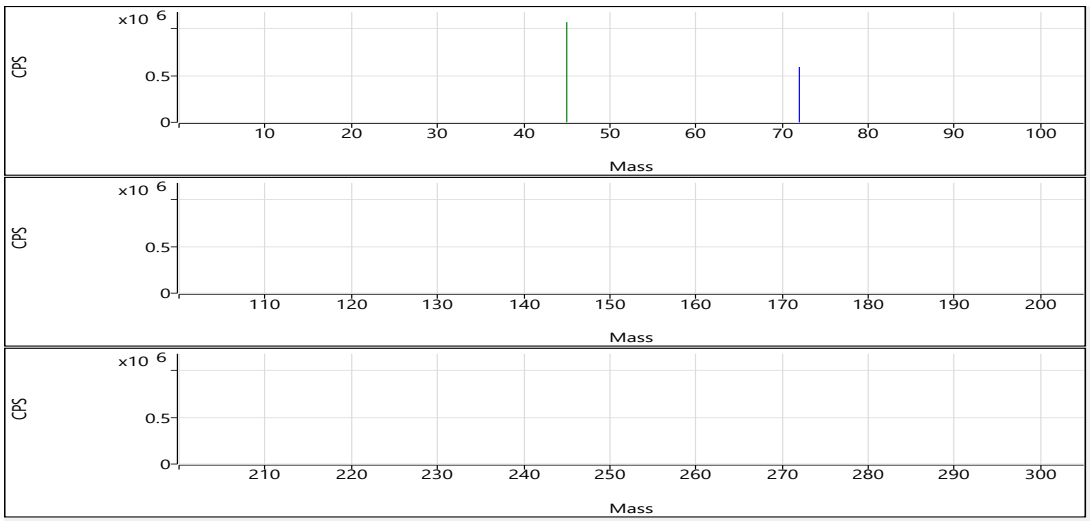
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	88595.322	ug/L	2.3	3832868.07	161.0081	Analog	0.1000	3
Mg	24	72	He	33.304	ug/L	22.4	890.06	0.0373	Pulse	0.1000	3
Al	27	72	He	-1.763	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	29294.850	ppb	1.4	369971.27	15.5384	Pulse	0.1000	3
Ca	44	72	He	163.348	ppb	27.2	156.67	0.0066	Pulse	0.1000	3
Ti	47	159	He	-0.460	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.067	ppb	66.1	134.67	0.0057	Pulse	0.5000	3
Cr	52	45	He	-0.337	ppb	N/A	330.02	0.0286	Pulse	0.1000	3
Mn	55	45	He	1.658	ppb	2.2	390.02	0.0336	Pulse	0.1000	3
Fe	57	72	He	13.833	ppb	21.9	230.01	0.0097	Pulse	0.1000	3
Co	59	72	He	0.002	ppb	1258.4	106.67	0.0045	Pulse	0.1000	3
Ni	60	72	He	0.044	ppb	160.9	160.01	0.0067	Pulse	0.1000	3
Cu	63	72	He	0.422	ppb	7.2	560.03	0.0235	Pulse	0.1000	3
Zn	66	72	He	1.585	ppb	1.2	193.34	0.0081	Pulse	0.1000	3
As	75	45	He	0.719	ppb	13.7	52.67	0.0045	Pulse	0.5000	3
Sr	88	159	He	-0.158	ppb	N/A	320.02	0.0018	Pulse	0.1000	3
Mo	98	159	He	-0.004	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.001	ppb	170.0	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.010	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.235	ppb	321.1	2014.80	0.0114	Pulse	0.1000	3
Sb	121	159	He	0.000	ppb	N/A	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	-1.551	ppb	N/A	613.37	0.0035	Pulse	0.1000	3
Tl	205	159	He	-0.022	ppb	N/A	120.01	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.061	ppb	8.7	403.35	0.0023	Pulse	0.1000	3
U	238	209	He	-0.002	ppb	N/A	150.01	0.0011	Pulse	0.1000	3

ISTD Table:

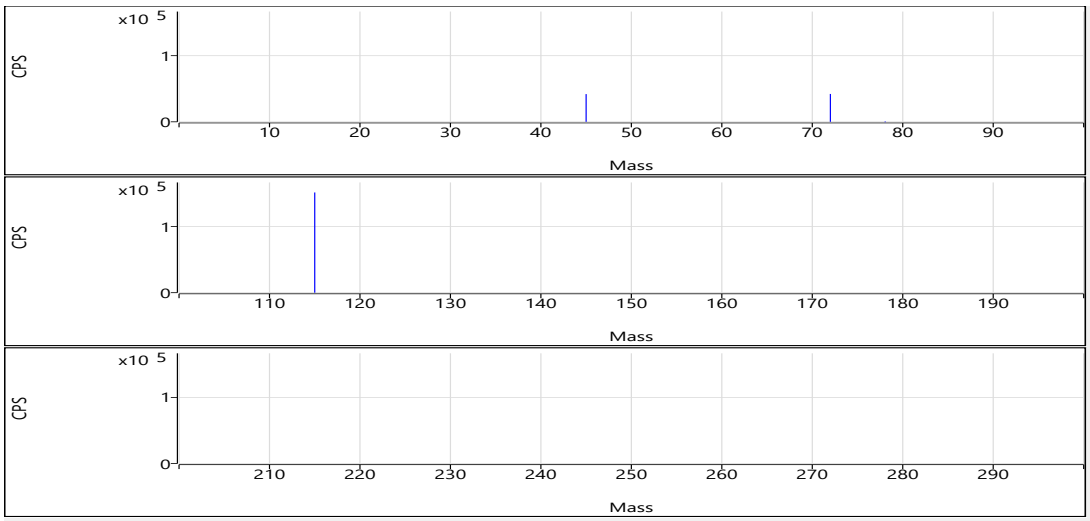
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1071971.75	0.2	102.5	Analog	0.1000	3
No Gas	Ge	72	591593.79	0.2	98.4	Pulse	0.1000	3
H2	Sc	45	41572.05	0.6	98.4	Pulse	0.1000	3
H2	Ge	72	41807.07	1.8	95.3	Pulse	0.1000	3
H2	In	115	150353.04	0.2	99.8	Pulse	0.1000	3
He	Sc	45	11615.13	4.3	101.7	Pulse	0.1000	3
He	Ge	72	23817.71	3.4	94.0	Pulse	0.1000	3
He	In	115	27705.86	2.7	101.5	Pulse	0.1000	3
He	Tb	159	177110.10	1.3	100.4	Pulse	0.1000	3
He	Bi	209	135657.26	1.3	100.6	Pulse	0.1000	3

No Gas

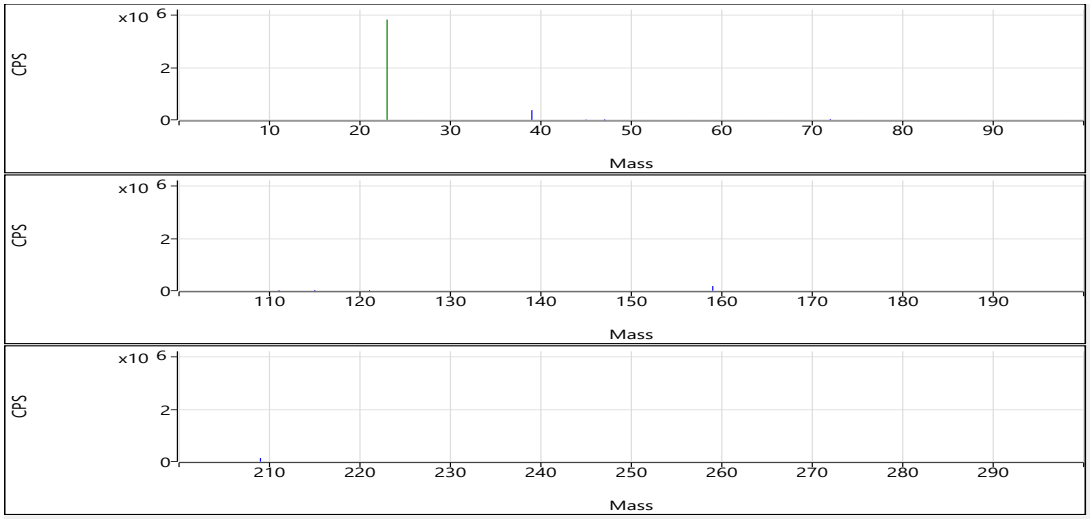


H2



Quantitation Report

He



Quantitation Report

Data File Name	156SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:38:43 PM
Sample Name	410-233143-B-3-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

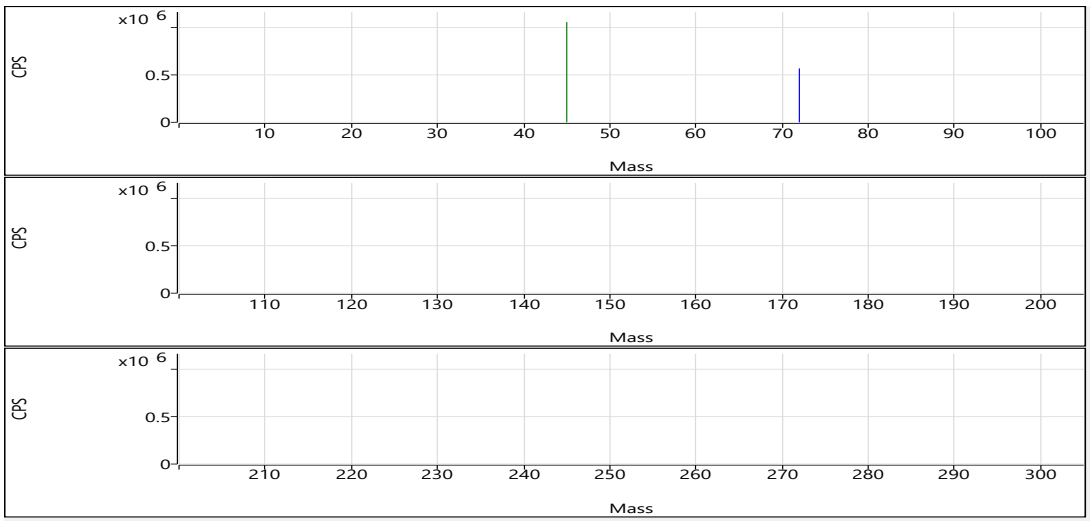
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.007	ug/L	N/A	22.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.047	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	121.581	ug/L	5.8	10387.43	0.4440	Pulse	0.1000	3
Mg	24	72	He	15187.178	ug/L	2.7	330974.42	14.1456	Pulse	0.1000	3
Al	27	72	He	8.286	ug/L	89.9	93.34	0.0040	Pulse	0.1000	3
K	39	72	He	21.758	ppb	67.0	2136.92	0.0914	Pulse	0.1000	3
Ca	44	72	He	57781.226	ppb	3.6	47129.37	2.0144	Pulse	0.1000	3
Ti	47	159	He	0.898	ppb	83.8	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.105	ppb	17.8	146.67	0.0063	Pulse	0.5000	3
Cr	52	45	He	-0.241	ppb	N/A	383.35	0.0330	Pulse	0.1000	3
Mn	55	45	He	1.231	ppb	24.3	303.35	0.0261	Pulse	0.1000	3
Fe	57	72	He	34.041	ppb	7.7	436.69	0.0186	Pulse	0.1000	3
Co	59	72	He	0.077	ppb	51.8	193.34	0.0083	Pulse	0.1000	3
Ni	60	72	He	0.309	ppb	61.8	246.68	0.0106	Pulse	0.1000	3
Cu	63	72	He	0.209	ppb	31.3	333.35	0.0143	Pulse	0.1000	3
Zn	66	72	He	0.635	ppb	55.5	103.34	0.0044	Pulse	0.1000	3
As	75	45	He	0.070	ppb	147.1	14.67	0.0013	Pulse	0.5000	3
Sr	88	159	He	18.366	ppb	1.1	4774.34	0.0271	Pulse	0.1000	3
Mo	98	159	He	-0.018	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Ag	107	159	He	-0.003	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.016	ppb	91.7	6.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.640	ppb	N/A	1513.48	0.0086	Pulse	0.1000	3
Sb	121	159	He	-0.007	ppb	N/A	10.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-0.206	ppb	N/A	820.06	0.0047	Pulse	0.1000	3
Tl	205	159	He	-0.023	ppb	N/A	116.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.106	ppb	14.6	573.37	0.0033	Pulse	0.1000	3
U	238	209	He	0.000	ppb	1843.5	173.34	0.0013	Pulse	0.1000	3

ISTD Table:

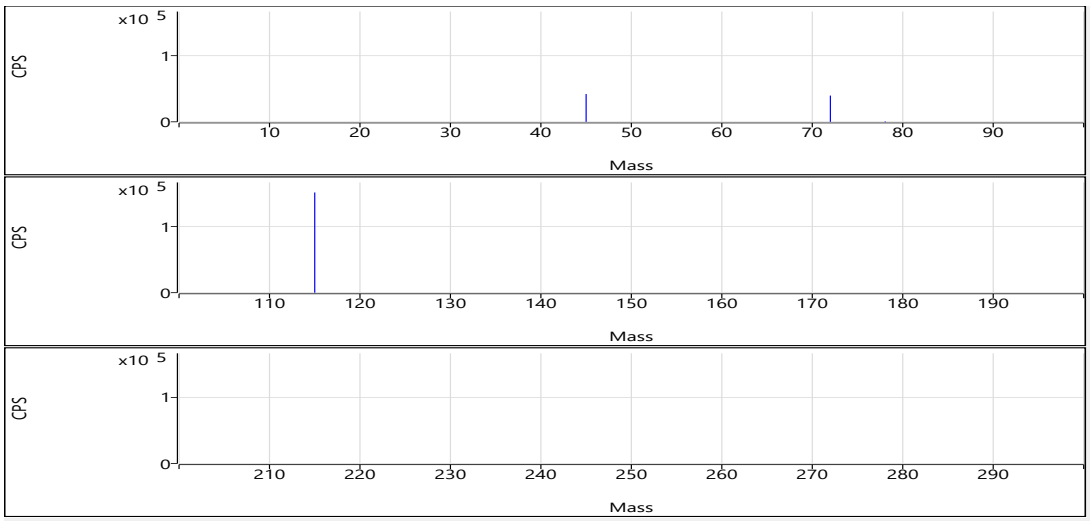
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1058067.40	0.6	101.2	Analog	0.1000	3
No Gas	Ge	72	568987.47	0.4	94.6	Pulse	0.1000	3
H2	Sc	45	42049.91	2.5	99.5	Pulse	0.1000	3
H2	Ge	72	39714.36	1.8	90.5	Pulse	0.1000	3
H2	In	115	151731.31	0.3	100.7	Pulse	0.1000	3
He	Sc	45	11595.19	1.8	101.5	Pulse	0.1000	3
He	Ge	72	23410.38	3.1	92.4	Pulse	0.1000	3
He	In	115	27051.22	1.8	99.1	Pulse	0.1000	3
He	Tb	159	176172.31	1.4	99.9	Pulse	0.1000	3
He	Bi	209	136037.04	0.7	100.9	Pulse	0.1000	3

No Gas

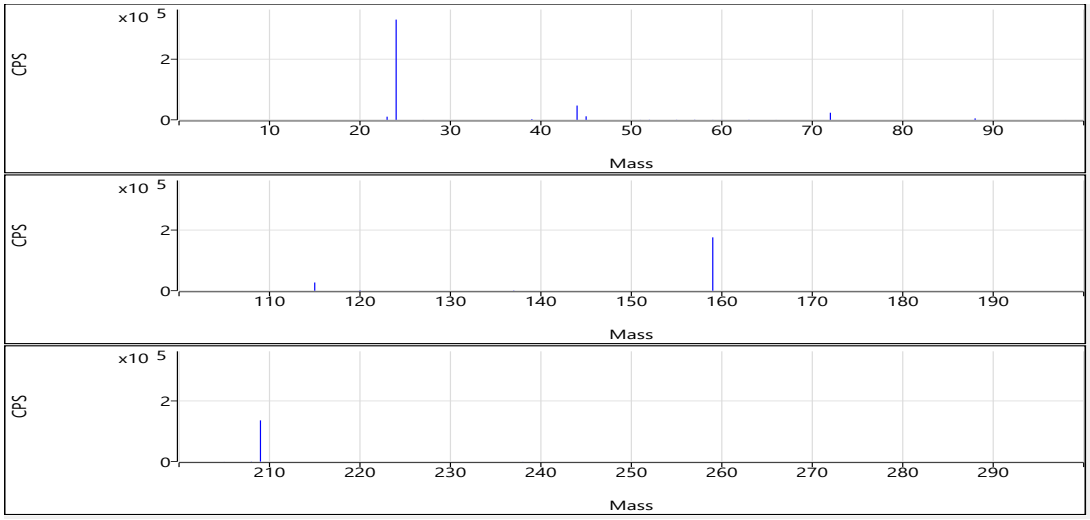


H2



Quantitation Report

He



Quantitation Report

Data File Name	157SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:40:44 PM
Sample Name	410-235858-L-9-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

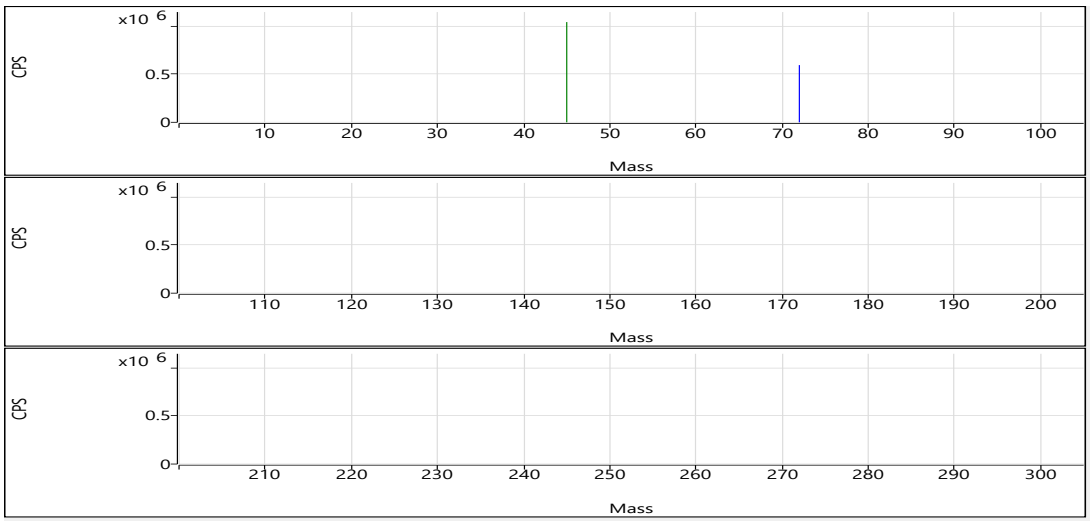
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.020	ug/L	N/A	15.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.158	ppb	20.5	6.00	0.0001	Pulse	1.5000	3
Na	23	72	He	23696.556	ug/L	1.3	1039121.81	43.2284	Analog	0.1000	3
Mg	24	72	He	106249.327	ug/L	1.6	2377865.59	98.9247	Analog	0.1000	3
Al	27	72	He	-1.817	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	34510.730	ppb	1.4	439663.82	18.2907	Pulse	0.1000	3
Ca	44	72	He	456767.817	ppb	1.4	382617.74	15.9174	Pulse	0.1000	3
Ti	47	159	He	0.010	ppb	7565.7	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.114	ppb	14.9	154.00	0.0064	Pulse	0.5000	3
Cr	52	45	He	-0.155	ppb	N/A	393.35	0.0371	Pulse	0.1000	3
Mn	55	45	He	3615.322	ppb	2.1	672660.64	63.2585	Pulse	0.1000	3
Fe	57	72	He	35472.008	ppb	0.7	377864.59	15.7185	Pulse	0.1000	3
Co	59	72	He	3.594	ppb	2.5	4527.55	0.1884	Pulse	0.1000	3
Ni	60	72	He	1.221	ppb	23.8	573.37	0.0239	Pulse	0.1000	3
Cu	63	72	He	0.247	ppb	20.9	383.35	0.0159	Pulse	0.1000	3
Zn	66	72	He	1.207	ppb	16.6	160.01	0.0067	Pulse	0.1000	3
As	75	45	He	0.230	ppb	62.8	22.00	0.0021	Pulse	0.5000	3
Sr	88	159	He	1054.630	ppb	2.2	249200.93	1.4422	Pulse	0.1000	3
Mo	98	159	He	0.005	ppb	332.4	63.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.016	ppb	43.2	63.33	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.010	ppb	109.6	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.606	ppb	N/A	1503.48	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	318.6	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	25.731	ppb	8.1	4791.04	0.0277	Pulse	0.1000	3
Tl	205	159	He	-0.020	ppb	N/A	126.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.071	ppb	27.5	430.02	0.0025	Pulse	0.1000	3
U	238	209	He	0.060	ppb	8.4	683.38	0.0053	Pulse	0.1000	3

ISTD Table:

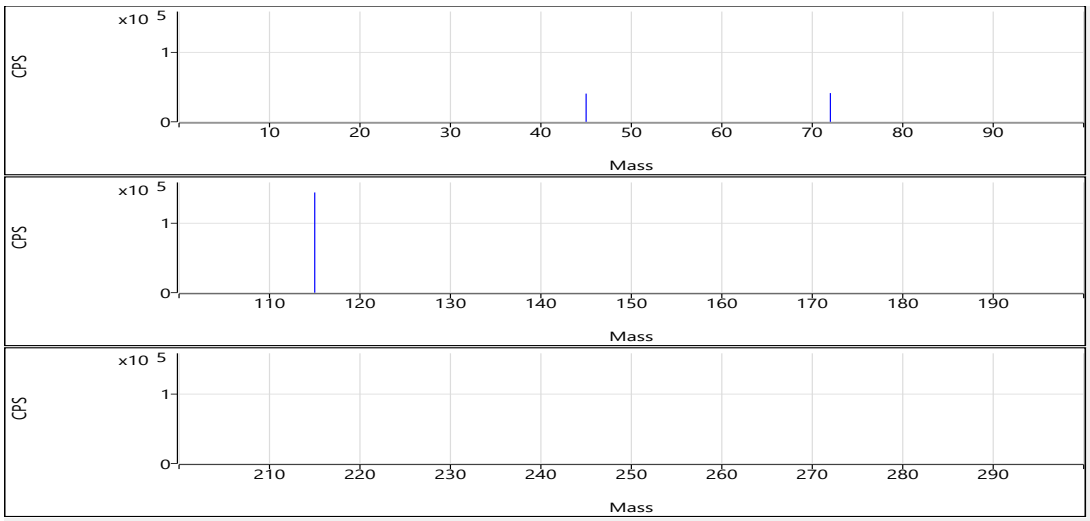
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1044558.66	0.1	99.9	Analog	0.1000	3
No Gas	Ge	72	596050.97	0.1	99.1	Pulse	0.1000	3
H2	Sc	45	40502.07	1.9	95.8	Pulse	0.1000	3
H2	Ge	72	41238.69	2.3	94.0	Pulse	0.1000	3
H2	In	115	143965.64	0.6	95.5	Pulse	0.1000	3
He	Sc	45	10637.64	2.9	93.1	Pulse	0.1000	3
He	Ge	72	24041.42	1.7	94.9	Pulse	0.1000	3
He	In	115	26002.42	2.4	95.3	Pulse	0.1000	3
He	Tb	159	172823.73	1.5	98.0	Pulse	0.1000	3
He	Bi	209	129678.71	2.8	96.2	Pulse	0.1000	3

No Gas

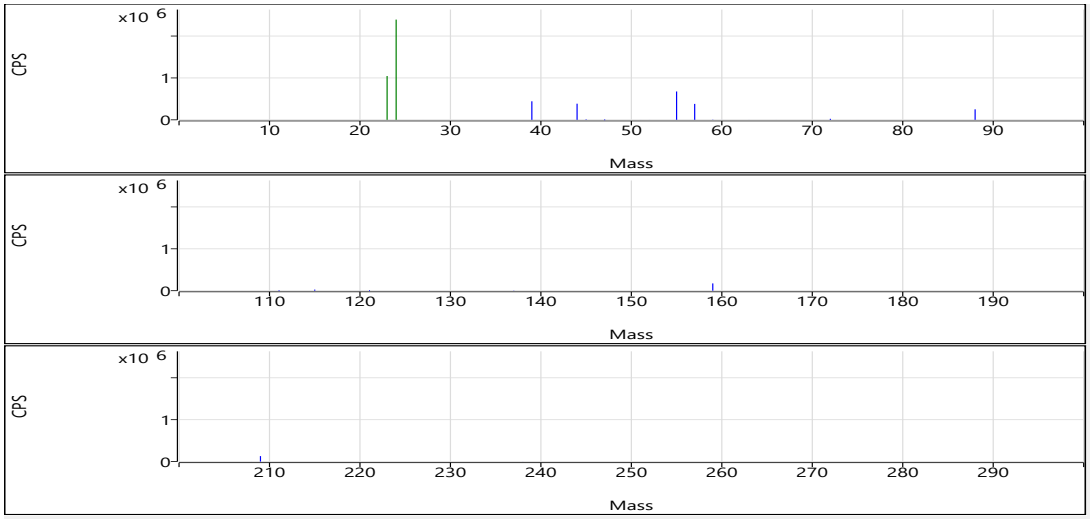


H2



Quantitation Report

He



Quantitation Report

Data File Name	157SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:43:10 PM
Sample Name	410-235858-L-9-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

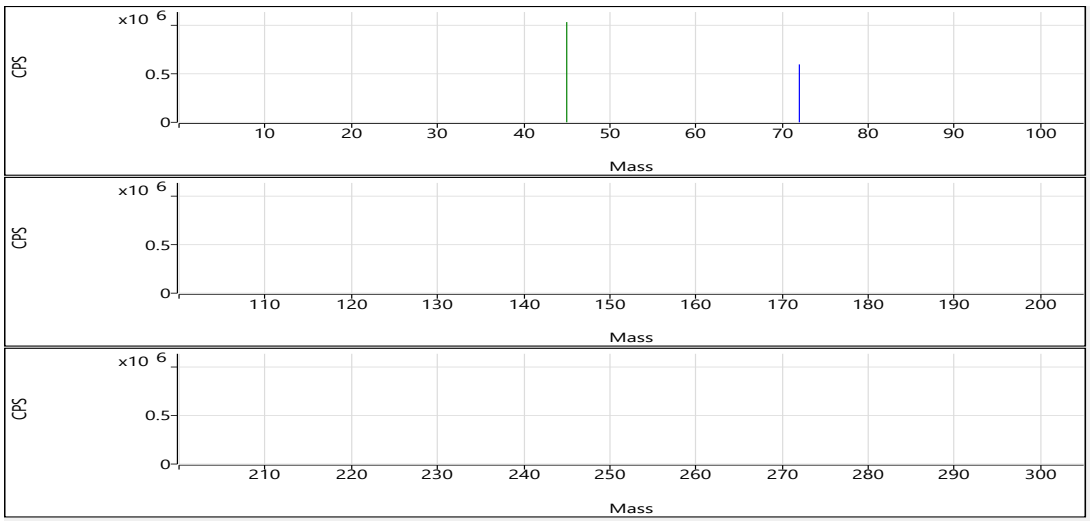
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.087	ug/L	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.154	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	22717.212	ug/L	0.2	213083.03	8.4689	Pulse	0.1000	3
Mg	24	72	He	105271.202	ug/L	1.9	493244.28	19.6079	Pulse	0.1000	3
Al	27	72	He	-12.764	ug/L	N/A	30.00	0.0012	Pulse	0.1000	3
K	39	72	He	33338.071	ppb	1.4	90524.53	3.5983	Pulse	0.1000	3
Ca	44	72	He	444519.446	ppb	0.4	77965.21	3.0989	Pulse	0.1000	3
Ti	47	159	He	-2.224	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.246	ppb	180.8	135.33	0.0054	Pulse	0.5000	3
Cr	52	45	He	-0.626	ppb	N/A	426.69	0.0384	Pulse	0.1000	3
Mn	55	45	He	3644.801	ppb	1.6	141585.35	12.7585	Pulse	0.1000	3
Fe	57	72	He	35827.167	ppb	1.4	79948.17	3.1780	Pulse	0.1000	3
Co	59	72	He	3.608	ppb	13.3	1040.08	0.0413	Pulse	0.1000	3
Ni	60	72	He	1.509	ppb	49.5	263.35	0.0105	Pulse	0.1000	3
Cu	63	72	He	0.619	ppb	44.0	266.68	0.0106	Pulse	0.1000	3
Zn	66	72	He	1.056	ppb	148.2	70.00	0.0028	Pulse	0.1000	3
As	75	45	He	-0.079	ppb	N/A	9.33	0.0008	Pulse	0.5000	3
Sr	88	159	He	1064.448	ppb	1.9	51678.07	0.2927	Pulse	0.1000	3
Mo	98	159	He	-0.091	ppb	N/A	43.33	0.0002	Pulse	0.1000	3
Ag	107	159	He	0.030	ppb	113.7	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.017	ppb	580.1	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-5.116	ppb	N/A	1300.12	0.0074	Pulse	0.1000	3
Sb	121	159	He	0.623	ppb	17.6	70.00	0.0004	Pulse	0.1000	3
Ba	137	159	He	16.043	ppb	41.5	1356.79	0.0077	Pulse	0.1000	3
Tl	205	159	He	-0.113	ppb	N/A	116.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.261	ppb	27.1	366.69	0.0021	Pulse	0.1000	3
U	238	209	He	0.064	ppb	21.4	290.02	0.0021	Pulse	0.1000	3

ISTD Table:

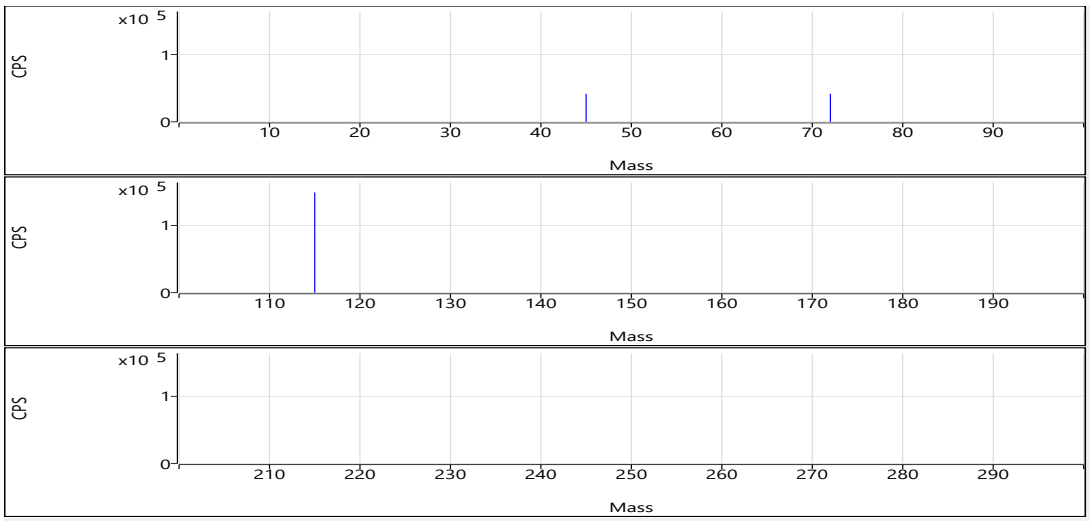
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1034805.84	0.5	99.0	Analog	0.1000	3
No Gas	Ge	72	597828.77	0.1	99.4	Pulse	0.1000	3
H2	Sc	45	41398.08	1.4	97.9	Pulse	0.1000	3
H2	Ge	72	41526.49	2.3	94.7	Pulse	0.1000	3
H2	In	115	148794.16	1.6	98.7	Pulse	0.1000	3
He	Sc	45	11098.08	1.1	97.2	Pulse	0.1000	3
He	Ge	72	25160.18	1.5	99.3	Pulse	0.1000	3
He	In	115	26787.33	0.9	98.1	Pulse	0.1000	3
He	Tb	159	176550.43	1.4	100.1	Pulse	0.1000	3
He	Bi	209	137631.00	2.5	102.1	Pulse	0.1000	3

No Gas

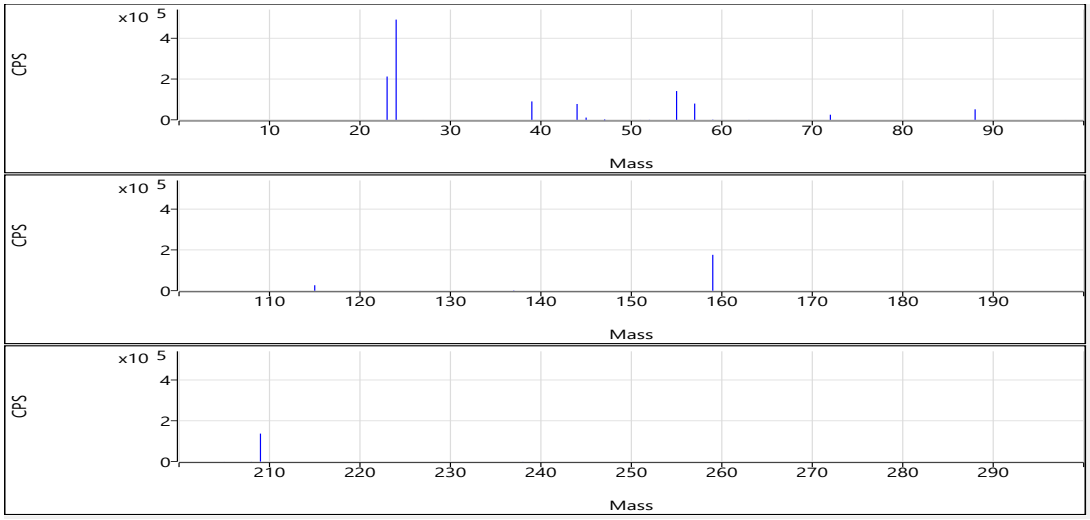


H2



Quantitation Report

He



Quantitation Report

Data File Name	158SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:45:04 PM
Sample Name	410-235858-N-9-A DU
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

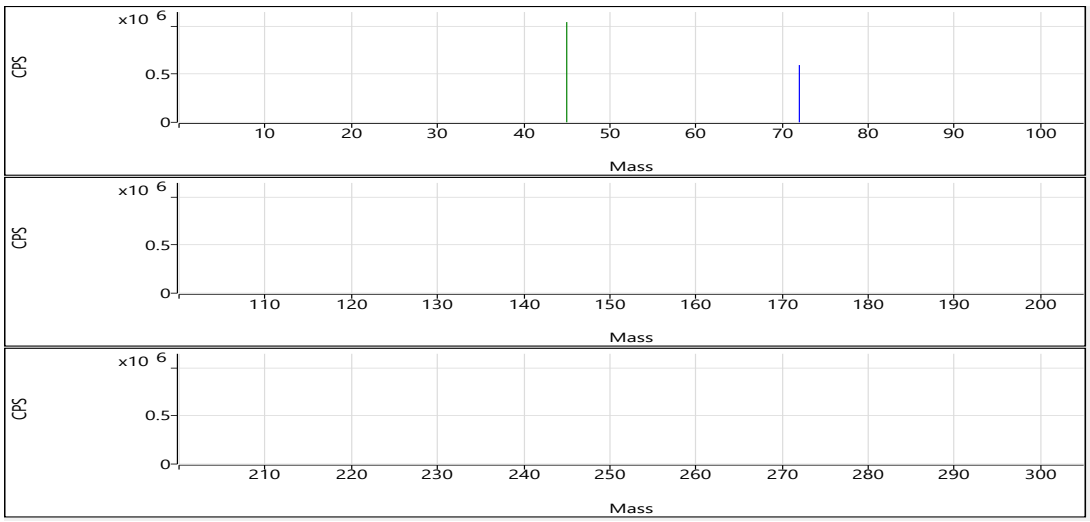
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.014	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.079	ppb	34.8	4.00	0.0001	Pulse	1.5000	3
Na	23	72	He	23818.744	ug/L	1.2	1070296.18	43.4501	Analog	0.1000	3
Mg	24	72	He	107181.772	ug/L	1.4	2458113.97	99.7928	Analog	0.1000	3
Al	27	72	He	-2.496	ug/L	N/A	30.00	0.0012	Pulse	0.1000	3
K	39	72	He	34693.395	ppb	2.1	452896.89	18.3871	Pulse	0.1000	3
Ca	44	72	He	460712.425	ppb	1.5	395470.13	16.0548	Pulse	0.1000	3
Ti	47	159	He	-0.443	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.094	ppb	91.0	150.00	0.0061	Pulse	0.5000	3
Cr	52	45	He	-0.100	ppb	N/A	423.36	0.0396	Pulse	0.1000	3
Mn	55	45	He	3722.862	ppb	2.5	695940.15	65.1400	Pulse	0.1000	3
Fe	57	72	He	36086.488	ppb	0.9	393908.95	15.9907	Pulse	0.1000	3
Co	59	72	He	3.572	ppb	2.8	4610.91	0.1872	Pulse	0.1000	3
Ni	60	72	He	1.206	ppb	8.5	583.37	0.0237	Pulse	0.1000	3
Cu	63	72	He	0.170	ppb	17.3	310.01	0.0126	Pulse	0.1000	3
Zn	66	72	He	0.923	ppb	56.9	136.67	0.0056	Pulse	0.1000	3
As	75	45	He	0.101	ppb	80.4	15.33	0.0014	Pulse	0.5000	3
Sr	88	159	He	1095.540	ppb	0.5	259041.96	1.4981	Pulse	0.1000	3
Mo	98	159	He	0.020	ppb	86.5	76.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	159.7	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.009	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.414	ppb	N/A	1610.16	0.0093	Pulse	0.1000	3
Sb	121	159	He	0.001	ppb	3934.1	13.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	27.657	ppb	5.6	5091.16	0.0294	Pulse	0.1000	3
Tl	205	159	He	-0.018	ppb	N/A	140.01	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.068	ppb	3.3	420.02	0.0024	Pulse	0.1000	3
U	238	209	He	0.059	ppb	20.3	673.38	0.0052	Pulse	0.1000	3

ISTD Table:

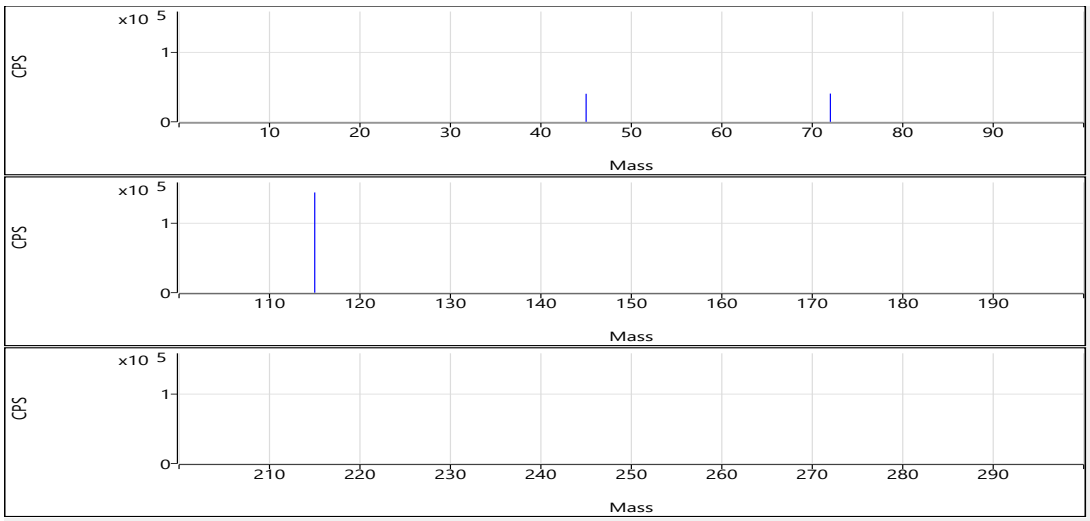
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1041415.01	0.3	99.6	Analog	0.1000	3
No Gas	Ge	72	594728.37	0.9	98.9	Pulse	0.1000	3
H2	Sc	45	40485.54	1.6	95.8	Pulse	0.1000	3
H2	Ge	72	40757.52	1.1	92.9	Pulse	0.1000	3
H2	In	115	144692.42	0.9	96.0	Pulse	0.1000	3
He	Sc	45	10687.71	2.2	93.6	Pulse	0.1000	3
He	Ge	72	24635.81	1.6	97.3	Pulse	0.1000	3
He	In	115	26466.85	2.4	97.0	Pulse	0.1000	3
He	Tb	159	172916.01	0.5	98.0	Pulse	0.1000	3
He	Bi	209	130107.50	0.8	96.5	Pulse	0.1000	3

No Gas

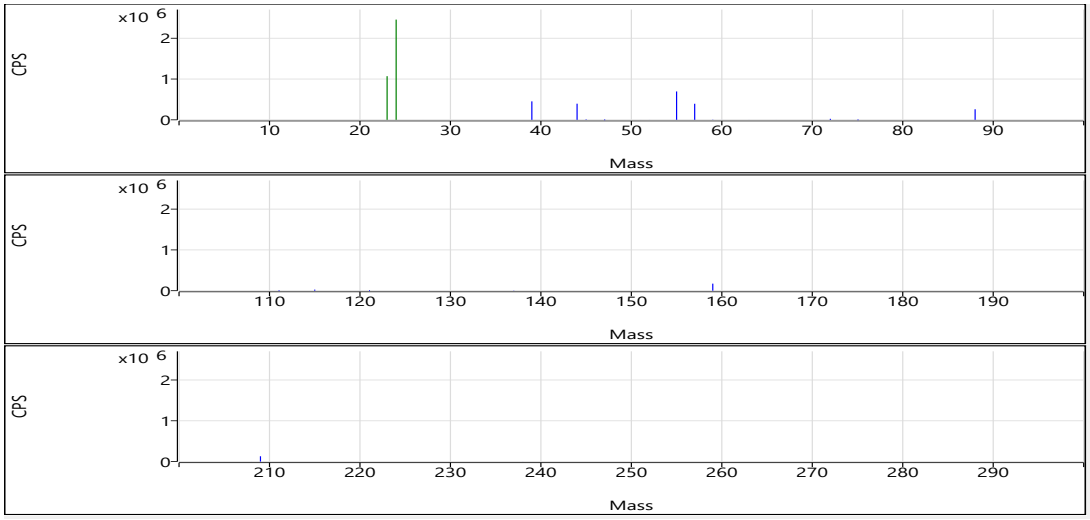


H2



Quantitation Report

He



Quantitation Report

Data File Name	158SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:47:30 PM
Sample Name	410-235858-N-9-A DU
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

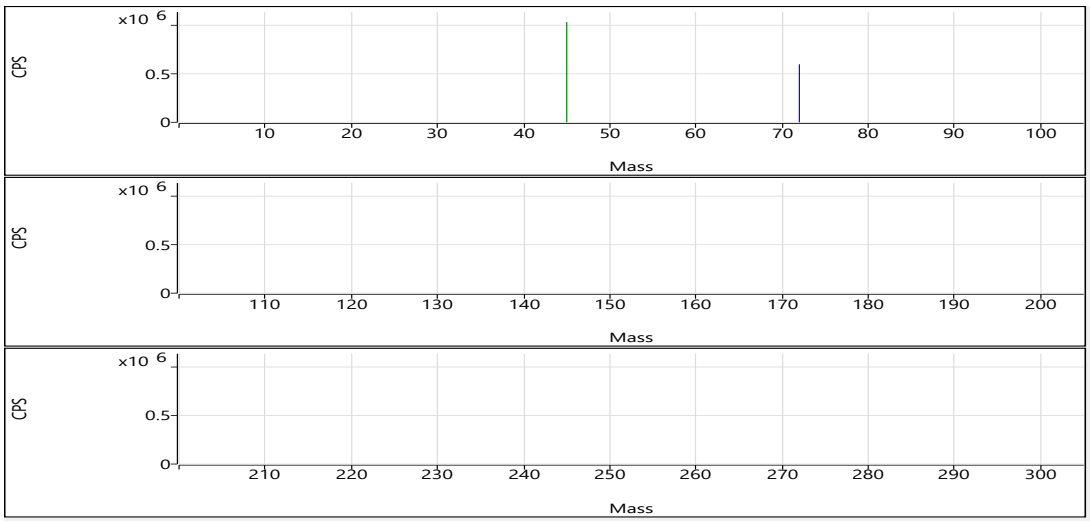
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.060	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.111	ppb	127.3	2.67	0.0001	Pulse	1.5000	3
Na	23	72	He	23806.759	ug/L	1.7	218796.55	8.8643	Pulse	0.1000	3
Mg	24	72	He	109299.054	ug/L	1.4	502496.84	20.3578	Pulse	0.1000	3
Al	27	72	He	8.862	ug/L	207.1	56.67	0.0023	Pulse	0.1000	3
K	39	72	He	35361.319	ppb	2.4	94088.60	3.8118	Pulse	0.1000	3
Ca	44	72	He	469390.070	ppb	1.1	80770.27	3.2722	Pulse	0.1000	3
Ti	47	159	He	0.039	ppb	10240.8	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.367	ppb	81.4	142.00	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.435	ppb	N/A	450.02	0.0402	Pulse	0.1000	3
Mn	55	45	He	3671.682	ppb	0.8	143834.54	12.8526	Pulse	0.1000	3
Fe	57	72	He	36864.710	ppb	4.7	80692.38	3.2699	Pulse	0.1000	3
Co	59	72	He	4.179	ppb	12.9	1163.42	0.0471	Pulse	0.1000	3
Ni	60	72	He	1.211	ppb	36.1	236.68	0.0096	Pulse	0.1000	3
Cu	63	72	He	0.484	ppb	27.1	233.34	0.0094	Pulse	0.1000	3
Zn	66	72	He	2.000	ppb	135.1	86.67	0.0035	Pulse	0.1000	3
As	75	45	He	0.093	ppb	236.1	11.33	0.0010	Pulse	0.5000	3
Sr	88	159	He	1103.361	ppb	2.6	53270.31	0.3034	Pulse	0.1000	3
Mo	98	159	He	-0.017	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.023	ppb	262.2	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.048	ppb	151.1	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.307	ppb	N/A	1496.81	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.442	ppb	56.5	53.33	0.0003	Pulse	0.1000	3
Ba	137	159	He	17.290	ppb	9.8	1390.14	0.0079	Pulse	0.1000	3
Tl	205	159	He	-0.134	ppb	N/A	93.33	0.0005	Pulse	0.1000	3
Pb	208	159	He	0.341	ppb	18.0	426.69	0.0024	Pulse	0.1000	3
U	238	209	He	0.032	ppb	23.6	233.34	0.0017	Pulse	0.1000	3

ISTD Table:

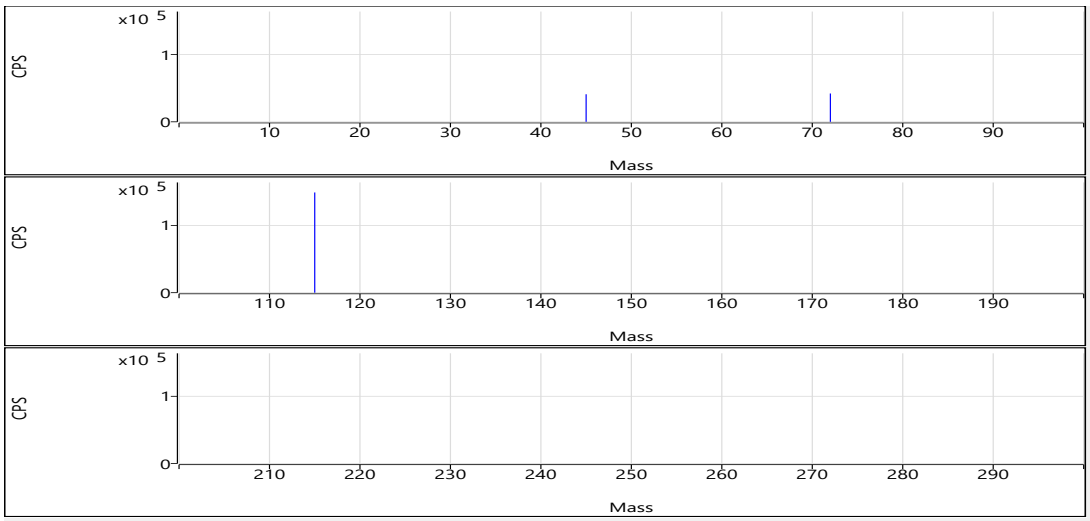
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030948.21	0.8	98.6	Analog	0.1000	3
No Gas	Ge	72	596359.52	0.6	99.2	Pulse	0.1000	3
H2	Sc	45	40649.44	1.3	96.2	Pulse	0.1000	3
H2	Ge	72	41780.40	1.9	95.2	Pulse	0.1000	3
H2	In	115	147860.00	0.5	98.1	Pulse	0.1000	3
He	Sc	45	11191.43	1.4	98.0	Pulse	0.1000	3
He	Ge	72	24685.83	1.1	97.5	Pulse	0.1000	3
He	In	115	26910.68	1.2	98.6	Pulse	0.1000	3
He	Tb	159	175620.66	1.0	99.6	Pulse	0.1000	3
He	Bi	209	138598.17	0.9	102.8	Pulse	0.1000	3

No Gas

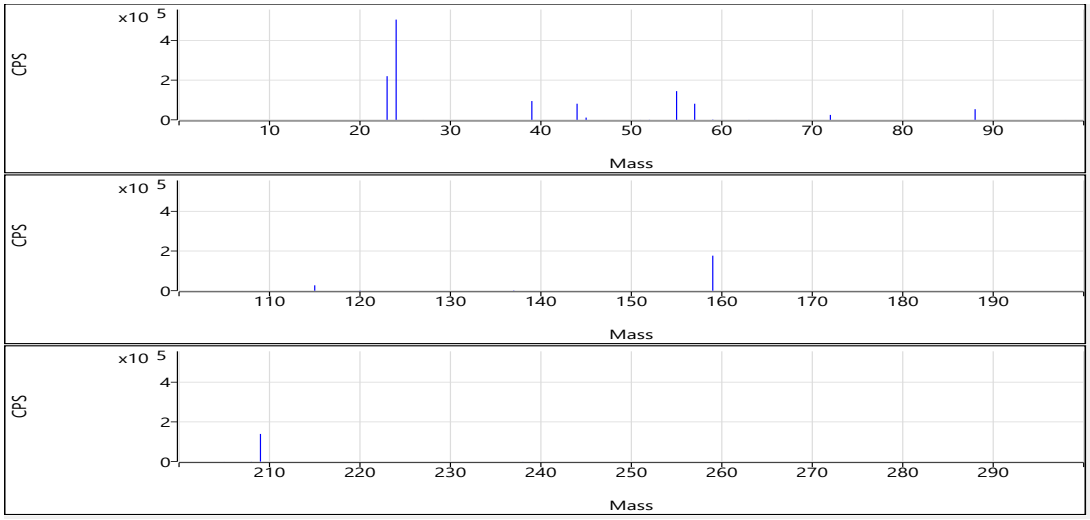


H2



Quantitation Report

He



Quantitation Report

Data File Name	159SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:49:24 PM
Sample Name	410-235858-L-9-B MS
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

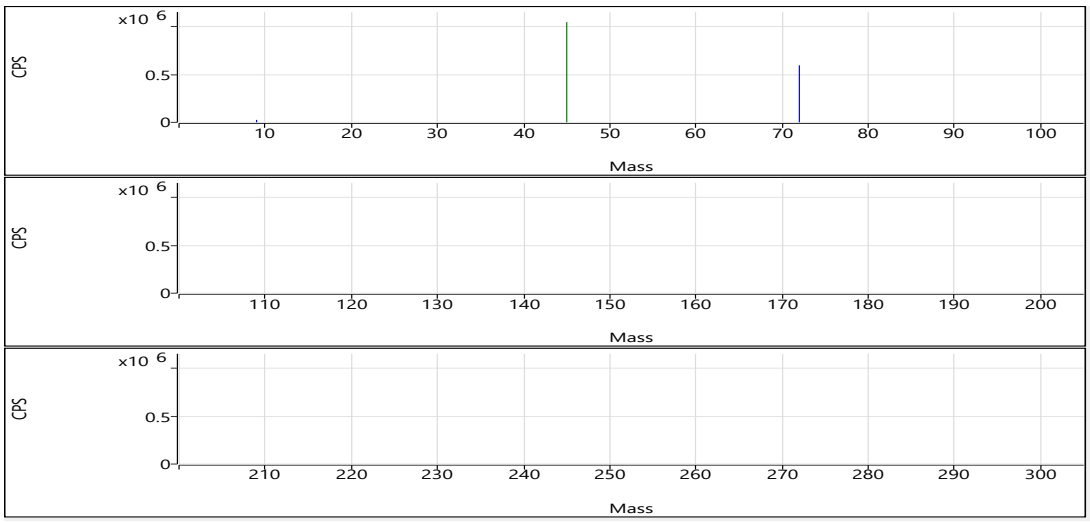
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.833	ug/L	0.6	25254.61	0.0241	Pulse	0.5000	3
Se	78	72	H2	105.327	ppb	3.7	2598.91	0.0636	Pulse	1.5000	3
Na	23	72	He	28562.609	ug/L	1.1	1274887.20	52.0594	Analog	0.1000	3
Mg	24	72	He	111214.648	ug/L	0.9	2535837.30	103.5474	Analog	0.1000	3
Al	27	72	He	4966.685	ug/L	2.3	30990.93	1.2657	Pulse	0.1000	3
K	39	72	He	39298.934	ppb	1.7	509775.85	20.8174	Pulse	0.1000	3
Ca	44	72	He	461762.719	ppb	0.8	394080.45	16.0914	Pulse	0.1000	3
Ti	47	159	He	535.445	ppb	2.5	3907.35	0.0225	Pulse	0.1000	3
V	51	72	He	502.891	ppb	1.7	193545.61	7.9039	Pulse	0.5000	3
Cr	52	45	He	499.141	ppb	2.6	264405.47	23.3162	Pulse	0.1000	3
Mn	55	45	He	3955.944	ppb	2.6	784935.98	69.2180	Pulse	0.1000	3
Fe	57	72	He	40560.738	ppb	1.4	440129.11	17.9729	Pulse	0.1000	3
Co	59	72	He	474.845	ppb	1.9	595420.98	24.3160	Pulse	0.1000	3
Ni	60	72	He	489.607	ppb	1.9	175242.01	7.1566	Pulse	0.1000	3
Cu	63	72	He	490.242	ppb	2.1	519828.84	21.2295	Pulse	0.1000	3
Zn	66	72	He	483.418	ppb	0.7	45963.45	1.8767	Pulse	0.1000	3
As	75	45	He	520.017	ppb	2.8	29711.03	2.6201	Pulse	0.5000	3
Sr	88	159	He	1132.112	ppb	1.9	269313.19	1.5480	Pulse	0.1000	3
Mo	98	159	He	51.880	ppb	3.1	47279.46	0.2718	Pulse	0.1000	3
Ag	107	159	He	48.741	ppb	0.9	105652.51	0.6073	Pulse	0.1000	3
Cd	111	159	He	49.079	ppb	2.7	10203.88	0.0587	Pulse	0.5000	3
Sn	120	159	He	101.456	ppb	2.3	58397.15	0.3357	Pulse	0.1000	3
Sb	121	159	He	98.996	ppb	3.3	44394.13	0.2552	Pulse	0.1000	3
Ba	137	159	He	525.426	ppb	0.8	82169.70	0.4723	Pulse	0.1000	3
Tl	205	159	He	99.527	ppb	0.9	548351.14	3.1512	Pulse	0.1000	3
Pb	208	159	He	50.142	ppb	0.6	192537.00	1.1065	Pulse	0.1000	3
U	238	209	He	51.313	ppb	1.6	451105.88	3.4103	Pulse	0.1000	3

ISTD Table:

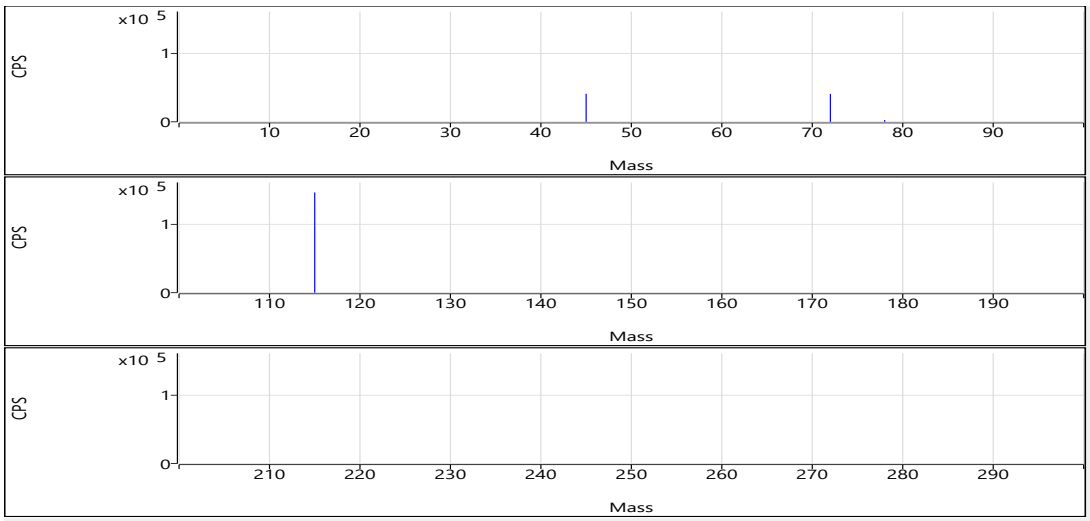
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1047043.40	0.5	100.2	Analog	0.1000	3
No Gas	Ge	72	595506.72	0.8	99.0	Pulse	0.1000	3
H2	Sc	45	41030.68	1.5	97.1	Pulse	0.1000	3
H2	Ge	72	40844.38	0.9	93.1	Pulse	0.1000	3
H2	In	115	146656.24	1.5	97.3	Pulse	0.1000	3
He	Sc	45	11344.91	2.6	99.3	Pulse	0.1000	3
He	Ge	72	24492.32	1.8	96.7	Pulse	0.1000	3
He	In	115	26777.36	0.4	98.1	Pulse	0.1000	3
He	Tb	159	173998.78	1.6	98.6	Pulse	0.1000	3
He	Bi	209	132308.06	3.2	98.1	Pulse	0.1000	3

No Gas

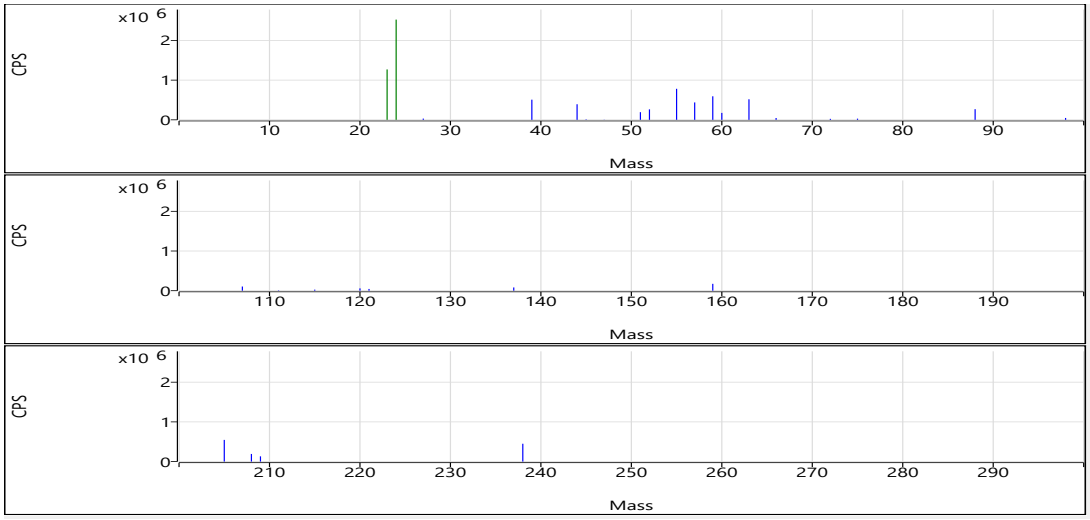


H2



Quantitation Report

He



Quantitation Report

Data File Name	161_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:53:25 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

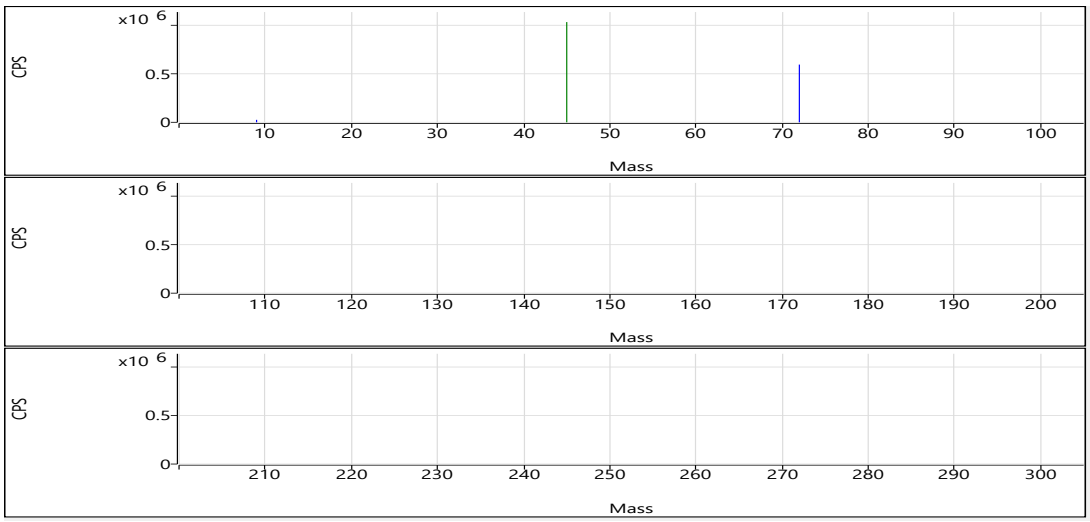
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.494	ug/L	1.3	25271.28	0.0245	Pulse	0.5000	3
Se	78	72	H2	50.056	ppb	1.6	1240.50	0.0303	Pulse	1.5000	3
Na	23	72	He	4977.850	ug/L	2.0	229041.62	9.2572	Pulse	0.1000	3
Mg	24	72	He	4904.271	ug/L	1.3	113131.34	4.5722	Pulse	0.1000	3
Al	27	72	He	4817.862	ug/L	0.9	30386.16	1.2278	Pulse	0.1000	3
K	39	72	He	4838.106	ppb	1.8	65146.97	2.6329	Pulse	0.1000	3
Ca	44	72	He	4955.979	ppb	5.6	4294.17	0.1736	Pulse	0.1000	3
Ti	47	159	He	5052.720	ppb	1.7	37483.94	0.2115	Pulse	0.1000	3
V	51	72	He	493.185	ppb	2.4	191775.59	7.7514	Pulse	0.5000	3
Cr	52	45	He	519.840	ppb	4.0	266494.96	24.2813	Pulse	0.1000	3
Mn	55	45	He	513.986	ppb	3.8	98756.55	8.9973	Pulse	0.1000	3
Fe	57	72	He	4896.199	ppb	1.7	53757.01	2.1727	Pulse	0.1000	3
Co	59	72	He	476.515	ppb	2.1	603728.16	24.4015	Pulse	0.1000	3
Ni	60	72	He	497.715	ppb	1.2	180008.22	7.2750	Pulse	0.1000	3
Cu	63	72	He	499.700	ppb	1.8	535395.17	21.6390	Pulse	0.1000	3
Zn	66	72	He	494.888	ppb	2.7	47531.70	1.9212	Pulse	0.1000	3
As	75	45	He	522.220	ppb	4.1	28877.95	2.6312	Pulse	0.5000	3
Sr	88	159	He	48.736	ppb	2.1	12152.46	0.0686	Pulse	0.1000	3
Mo	98	159	He	49.608	ppb	2.6	46055.31	0.2599	Pulse	0.1000	3
Ag	107	159	He	50.269	ppb	0.4	110988.82	0.6263	Pulse	0.1000	3
Cd	111	159	He	49.323	ppb	1.0	10445.40	0.0589	Pulse	0.5000	3
Sn	120	159	He	49.128	ppb	3.9	29783.69	0.1680	Pulse	0.1000	3
Sb	121	159	He	48.611	ppb	1.4	22212.34	0.1254	Pulse	0.1000	3
Ba	137	159	He	494.254	ppb	2.3	78776.32	0.4445	Pulse	0.1000	3
Tl	205	159	He	49.986	ppb	1.4	280573.38	1.5833	Pulse	0.1000	3
Pb	208	159	He	50.142	ppb	0.4	196083.04	1.1065	Pulse	0.1000	3
U	238	209	He	49.536	ppb	1.5	452626.31	3.2922	Pulse	0.1000	3

ISTD Table:

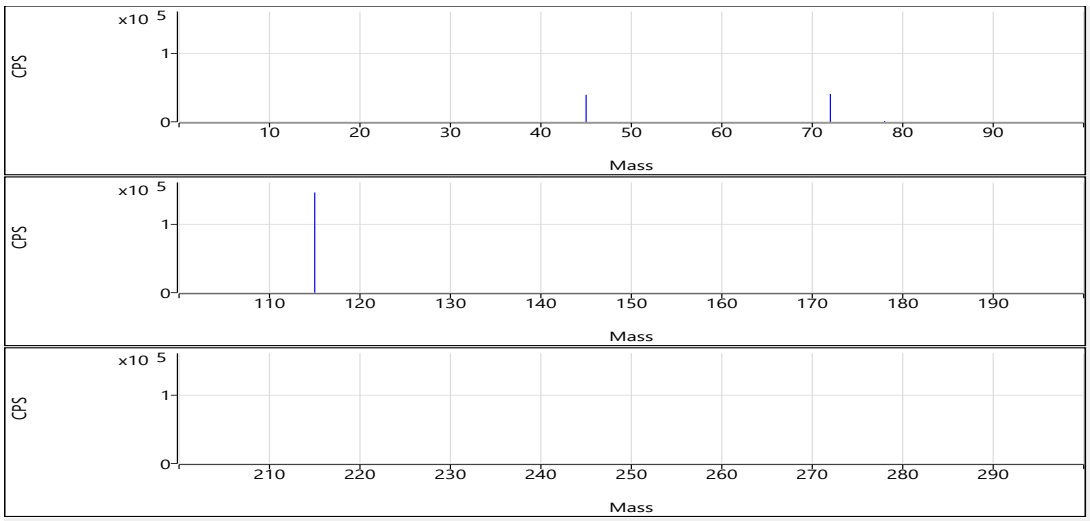
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033512.82	0.7	98.9	Analog	0.1000	3
No Gas	Ge	72	595071.83	0.2	99.0	Pulse	0.1000	3
H2	Sc	45	39613.02	1.8	93.7	Pulse	0.1000	3
H2	Ge	72	40984.77	1.8	93.4	Pulse	0.1000	3
H2	In	115	147233.39	0.7	97.7	Pulse	0.1000	3
He	Sc	45	10987.96	4.3	96.2	Pulse	0.1000	3
He	Ge	72	24746.11	1.4	97.7	Pulse	0.1000	3
He	In	115	26850.76	2.9	98.4	Pulse	0.1000	3
He	Tb	159	177212.19	0.6	100.5	Pulse	0.1000	3
He	Bi	209	137486.32	1.4	101.9	Pulse	0.1000	3

No Gas

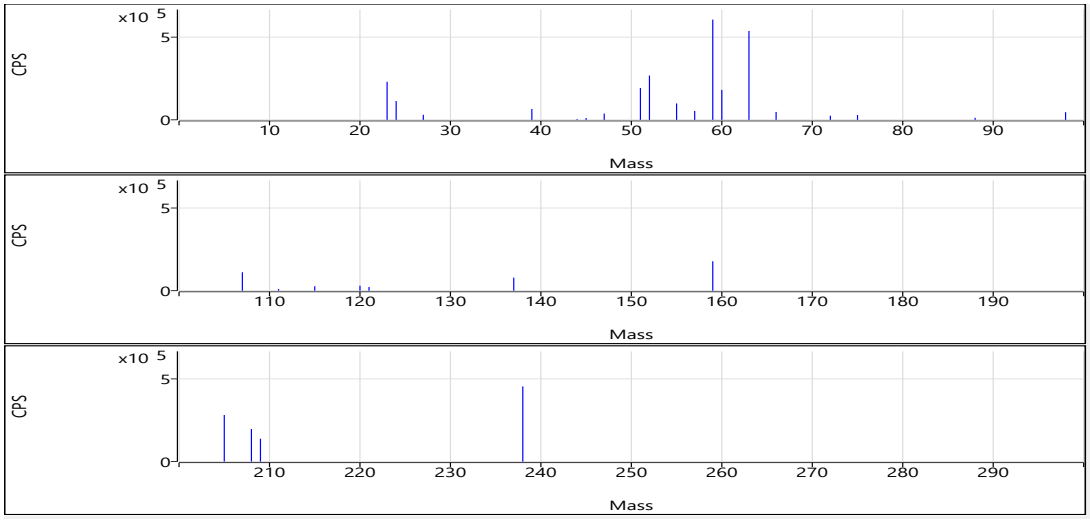


H2



Quantitation Report

He



Quantitation Report

Data File Name	163_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:57:25 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

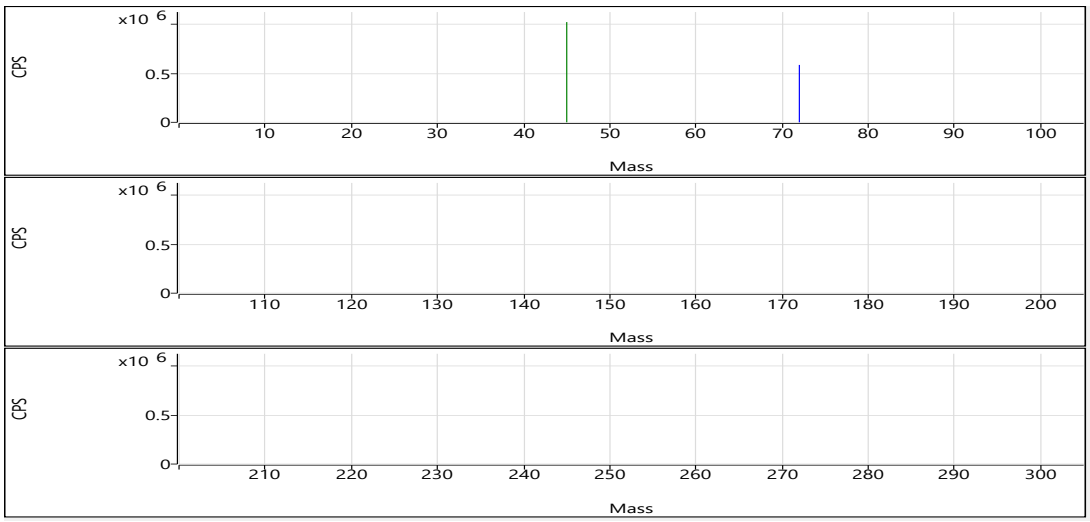
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.048	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	14.266	ug/L	23.8	6138.19	0.2492	Pulse	0.1000	3
Mg	24	72	He	4.574	ug/L	39.4	260.01	0.0106	Pulse	0.1000	3
Al	27	72	He	-1.893	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	11.391	ppb	98.5	2116.91	0.0859	Pulse	0.1000	3
Ca	44	72	He	20.306	ppb	61.5	40.00	0.0016	Pulse	0.1000	3
Ti	47	159	He	0.470	ppb	2.5	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.062	ppb	50.9	137.33	0.0056	Pulse	0.5000	3
Cr	52	45	He	-0.049	ppb	N/A	456.69	0.0420	Pulse	0.1000	3
Mn	55	45	He	0.121	ppb	185.1	73.33	0.0067	Pulse	0.1000	3
Fe	57	72	He	1.458	ppb	130.8	103.34	0.0042	Pulse	0.1000	3
Co	59	72	He	0.026	ppb	178.7	140.01	0.0057	Pulse	0.1000	3
Ni	60	72	He	-0.052	ppb	N/A	130.01	0.0053	Pulse	0.1000	3
Cu	63	72	He	0.170	ppb	28.7	310.01	0.0126	Pulse	0.1000	3
Zn	66	72	He	0.013	ppb	2030.5	50.00	0.0020	Pulse	0.1000	3
As	75	45	He	-0.024	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.526	ppb	N/A	226.68	0.0013	Pulse	0.1000	3
Mo	98	159	He	0.008	ppb	148.6	66.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	167.9	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.006	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.205	ppb	N/A	1736.85	0.0100	Pulse	0.1000	3
Sb	121	159	He	0.023	ppb	148.6	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	-2.150	ppb	N/A	510.03	0.0029	Pulse	0.1000	3
Tl	205	159	He	-0.011	ppb	N/A	180.01	0.0010	Pulse	0.1000	3
Pb	208	159	He	0.073	ppb	29.3	440.02	0.0025	Pulse	0.1000	3
U	238	209	He	-0.005	ppb	N/A	126.67	0.0009	Pulse	0.1000	3

ISTD Table:

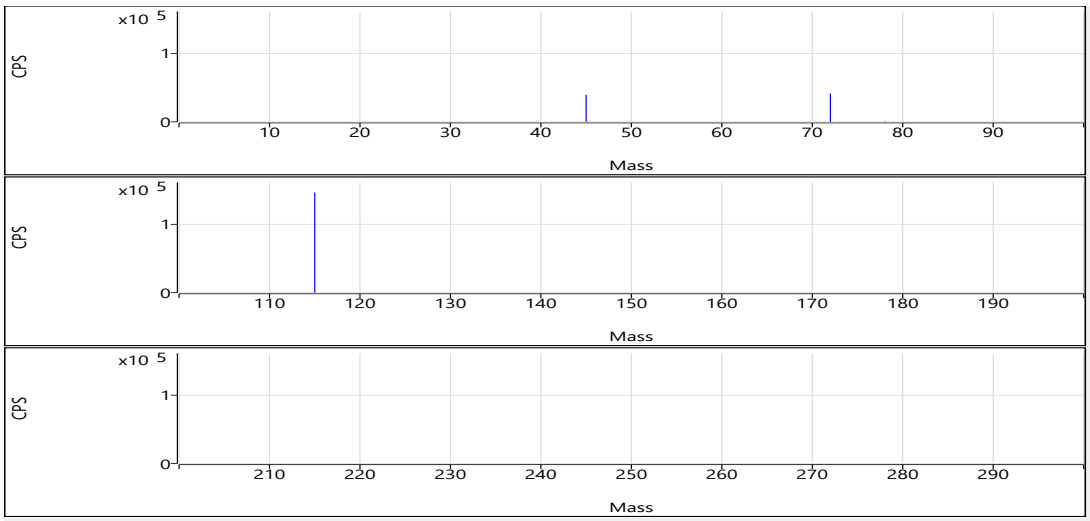
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027181.39	0.6	98.3	Analog	0.1000	3
No Gas	Ge	72	588007.28	0.4	97.8	Pulse	0.1000	3
H2	Sc	45	39800.47	1.0	94.2	Pulse	0.1000	3
H2	Ge	72	41459.49	2.0	94.5	Pulse	0.1000	3
H2	In	115	147361.44	1.6	97.8	Pulse	0.1000	3
He	Sc	45	10874.59	3.9	95.2	Pulse	0.1000	3
He	Ge	72	24635.85	2.1	97.3	Pulse	0.1000	3
He	In	115	26994.21	0.7	98.9	Pulse	0.1000	3
He	Tb	159	173956.94	0.9	98.6	Pulse	0.1000	3
He	Bi	209	135632.83	0.8	100.6	Pulse	0.1000	3

No Gas

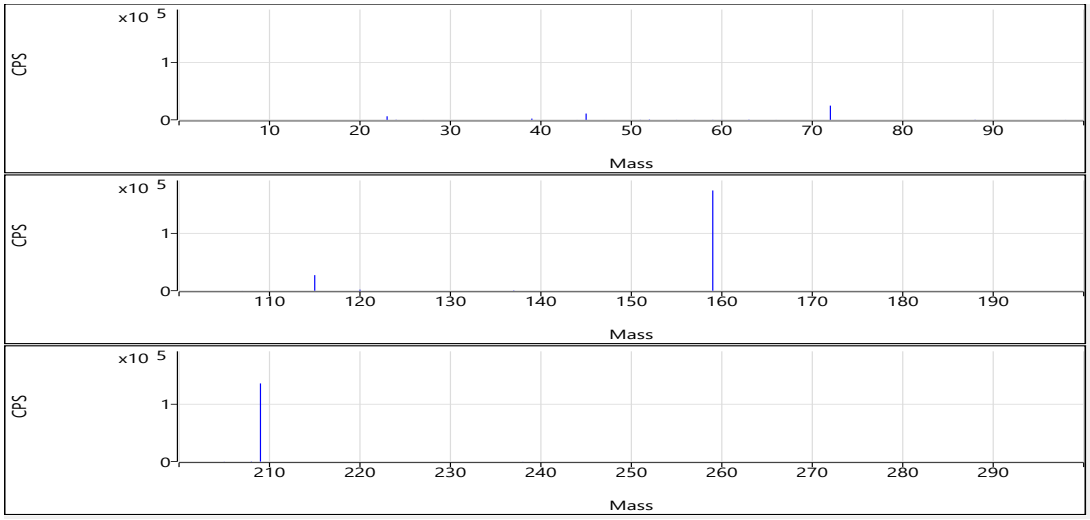


H2



Quantitation Report

He



Quantitation Report

Data File Name	164SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 9:59:50 PM
Sample Name	410-235858-L-9-B MS
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

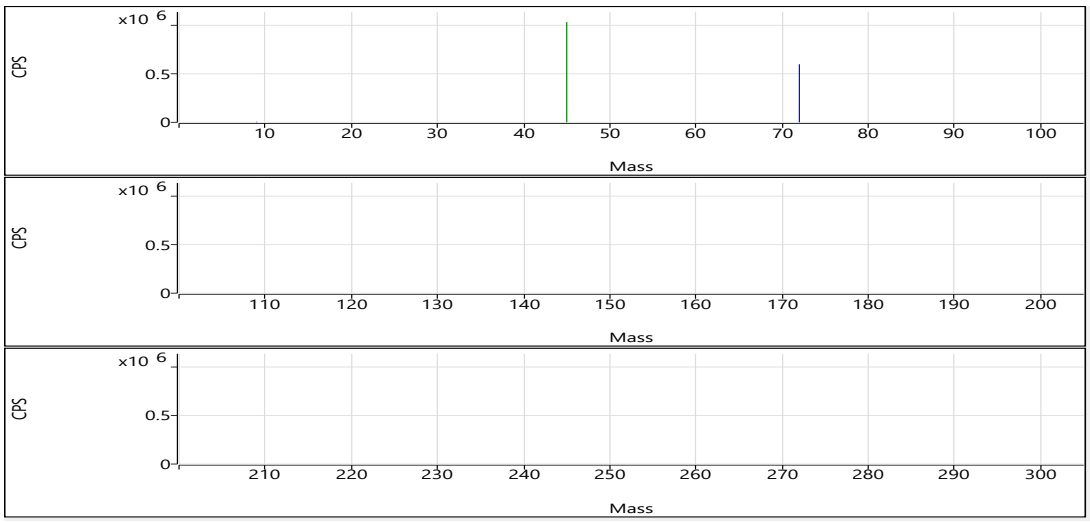
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.477	ug/L	3.2	5189.62	0.0050	Pulse	0.5000	3
Se	78	72	H2	98.161	ppb	6.3	502.01	0.0119	Pulse	1.5000	3
Na	23	72	He	28011.486	ug/L	2.8	258923.72	10.3905	Pulse	0.1000	3
Mg	24	72	He	111203.680	ug/L	1.8	516219.41	20.7125	Pulse	0.1000	3
Al	27	72	He	5108.747	ug/L	0.9	6528.38	0.2618	Pulse	0.1000	3
K	39	72	He	38968.409	ppb	2.5	104496.92	4.1925	Pulse	0.1000	3
Ca	44	72	He	457908.939	ppb	2.8	79561.08	3.1922	Pulse	0.1000	3
Ti	47	159	He	539.975	ppb	11.1	790.05	0.0046	Pulse	0.1000	3
V	51	72	He	499.757	ppb	2.0	39243.03	1.5746	Pulse	0.5000	3
Cr	52	45	He	531.511	ppb	1.7	55262.50	5.0005	Pulse	0.1000	3
Mn	55	45	He	4181.923	ppb	0.6	161769.23	14.6380	Pulse	0.1000	3
Fe	57	72	He	40898.216	ppb	1.1	90414.25	3.6273	Pulse	0.1000	3
Co	59	72	He	485.502	ppb	2.3	124002.36	4.9758	Pulse	0.1000	3
Ni	60	72	He	500.799	ppb	4.2	36595.33	1.4689	Pulse	0.1000	3
Cu	63	72	He	508.024	ppb	3.2	109739.28	4.4041	Pulse	0.1000	3
Zn	66	72	He	497.950	ppb	5.9	9670.40	0.3882	Pulse	0.1000	3
As	75	45	He	526.166	ppb	2.7	5868.61	0.5310	Pulse	0.5000	3
Sr	88	159	He	1155.153	ppb	0.1	55030.96	0.3175	Pulse	0.1000	3
Mo	98	159	He	52.111	ppb	0.7	9510.40	0.0549	Pulse	0.1000	3
Ag	107	159	He	52.587	ppb	1.7	22733.02	0.1312	Pulse	0.1000	3
Cd	111	159	He	51.634	ppb	2.0	2141.52	0.0124	Pulse	0.5000	3
Sn	120	159	He	100.508	ppb	3.3	13006.74	0.0750	Pulse	0.1000	3
Sb	121	159	He	101.796	ppb	2.0	9106.76	0.0525	Pulse	0.1000	3
Ba	137	159	He	542.306	ppb	1.2	17562.19	0.1013	Pulse	0.1000	3
Tl	205	159	He	104.231	ppb	1.4	114577.83	0.6611	Pulse	0.1000	3
Pb	208	159	He	51.596	ppb	1.9	39592.23	0.2284	Pulse	0.1000	3
U	238	209	He	50.684	ppb	0.8	92242.68	0.6747	Pulse	0.1000	3

ISTD Table:

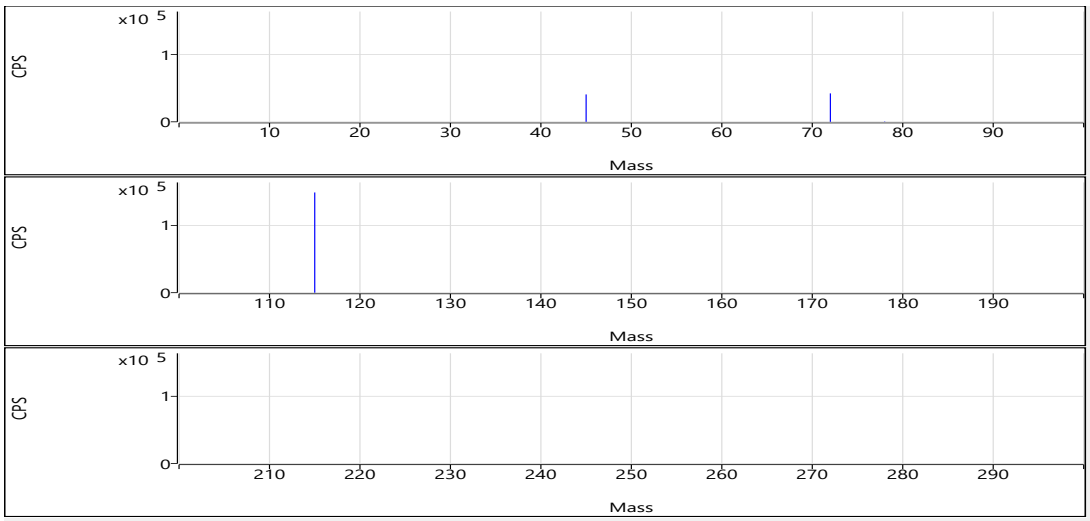
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036131.18	0.9	99.1	Analog	0.1000	3
No Gas	Ge	72	600056.80	0.4	99.8	Pulse	0.1000	3
H2	Sc	45	40666.12	2.1	96.2	Pulse	0.1000	3
H2	Ge	72	42204.88	1.9	96.2	Pulse	0.1000	3
H2	In	115	148836.11	1.2	98.8	Pulse	0.1000	3
He	Sc	45	11051.37	1.0	96.8	Pulse	0.1000	3
He	Ge	72	24929.71	2.3	98.4	Pulse	0.1000	3
He	In	115	27689.12	1.0	101.4	Pulse	0.1000	3
He	Tb	159	173315.28	0.3	98.3	Pulse	0.1000	3
He	Bi	209	136701.04	1.9	101.4	Pulse	0.1000	3

No Gas

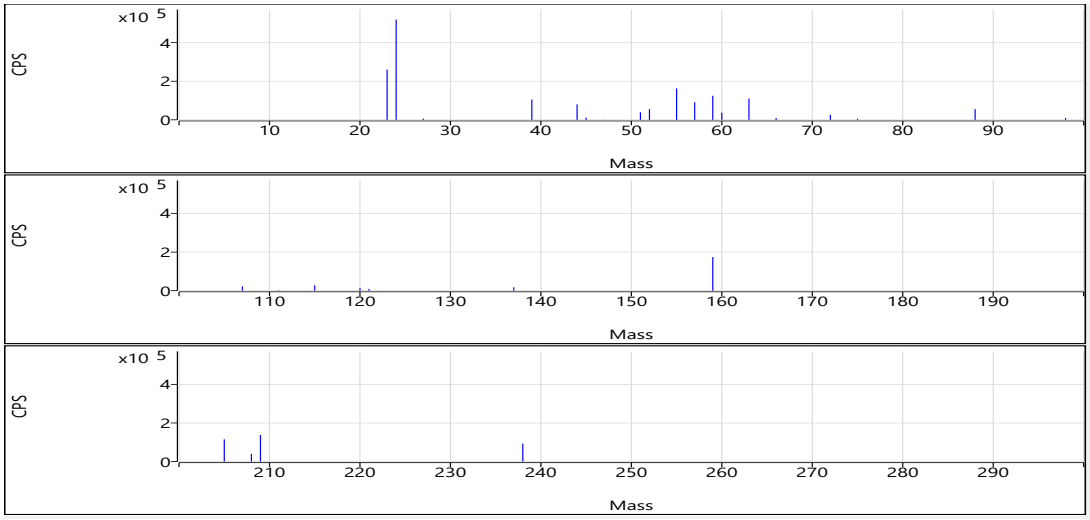


H2



Quantitation Report

He



Quantitation Report

Data File Name	165SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:01:44 PM
Sample Name	410-235858-E-9-A MSD
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

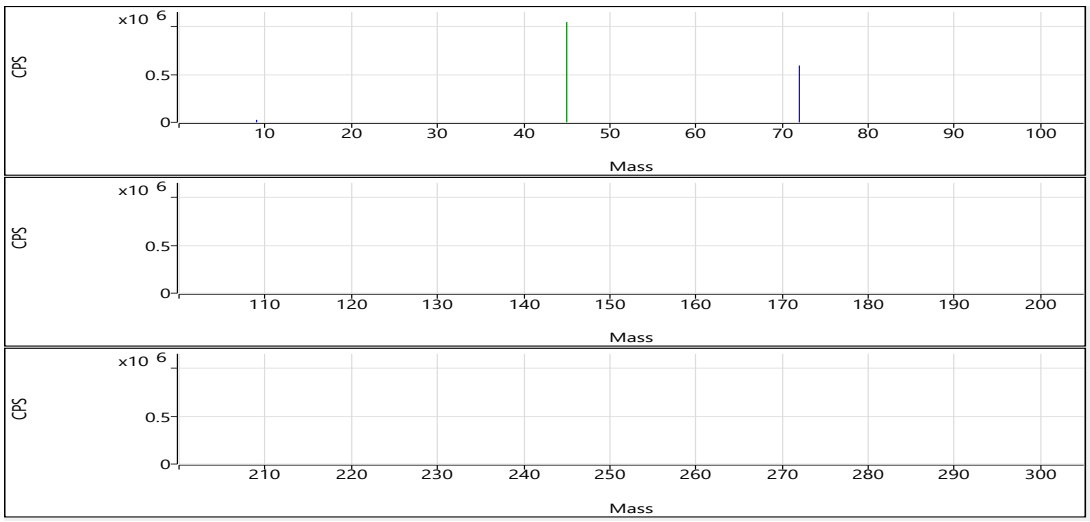
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.141	ug/L	0.4	25394.88	0.0243	Pulse	0.5000	3
Se	78	72	H2	104.931	ppb	1.7	2622.47	0.0634	Pulse	1.5000	3
Na	23	72	He	27982.313	ug/L	1.7	1266697.69	51.0063	Analog	0.1000	3
Mg	24	72	He	108335.685	ug/L	1.7	2504970.07	100.8671	Analog	0.1000	3
Al	27	72	He	4751.215	ug/L	3.0	30069.17	1.2109	Pulse	0.1000	3
K	39	72	He	38442.737	ppb	1.5	505776.23	20.3656	Pulse	0.1000	3
Ca	44	72	He	452499.111	ppb	1.2	391625.68	15.7686	Pulse	0.1000	3
Ti	47	159	He	505.725	ppb	2.7	3687.28	0.0212	Pulse	0.1000	3
V	51	72	He	492.306	ppb	2.0	192150.47	7.7376	Pulse	0.5000	3
Cr	52	45	He	493.682	ppb	3.1	260482.22	23.0617	Pulse	0.1000	3
Mn	55	45	He	3957.824	ppb	3.2	782172.96	69.2509	Pulse	0.1000	3
Fe	57	72	He	39386.834	ppb	2.5	433384.80	17.4528	Pulse	0.1000	3
Co	59	72	He	464.809	ppb	1.1	591156.58	23.8022	Pulse	0.1000	3
Ni	60	72	He	481.086	ppb	1.5	174646.21	7.0322	Pulse	0.1000	3
Cu	63	72	He	478.358	ppb	1.1	514479.74	20.7150	Pulse	0.1000	3
Zn	66	72	He	475.965	ppb	1.9	45889.67	1.8478	Pulse	0.1000	3
As	75	45	He	518.096	ppb	3.1	29484.59	2.6104	Pulse	0.5000	3
Sr	88	159	He	1136.062	ppb	1.0	270126.30	1.5534	Pulse	0.1000	3
Mo	98	159	He	51.640	ppb	1.6	47041.84	0.2705	Pulse	0.1000	3
Ag	107	159	He	48.228	ppb	1.2	104483.45	0.6009	Pulse	0.1000	3
Cd	111	159	He	50.076	ppb	1.6	10406.71	0.0598	Pulse	0.5000	3
Sn	120	159	He	98.977	ppb	2.1	56994.81	0.3278	Pulse	0.1000	3
Sb	121	159	He	98.341	ppb	2.3	44083.09	0.2535	Pulse	0.1000	3
Ba	137	159	He	525.614	ppb	0.3	82153.02	0.4724	Pulse	0.1000	3
Tl	205	159	He	99.771	ppb	2.1	549273.99	3.1589	Pulse	0.1000	3
Pb	208	159	He	50.288	ppb	1.6	192955.99	1.1097	Pulse	0.1000	3
U	238	209	He	51.173	ppb	1.4	451779.88	3.4010	Pulse	0.1000	3

ISTD Table:

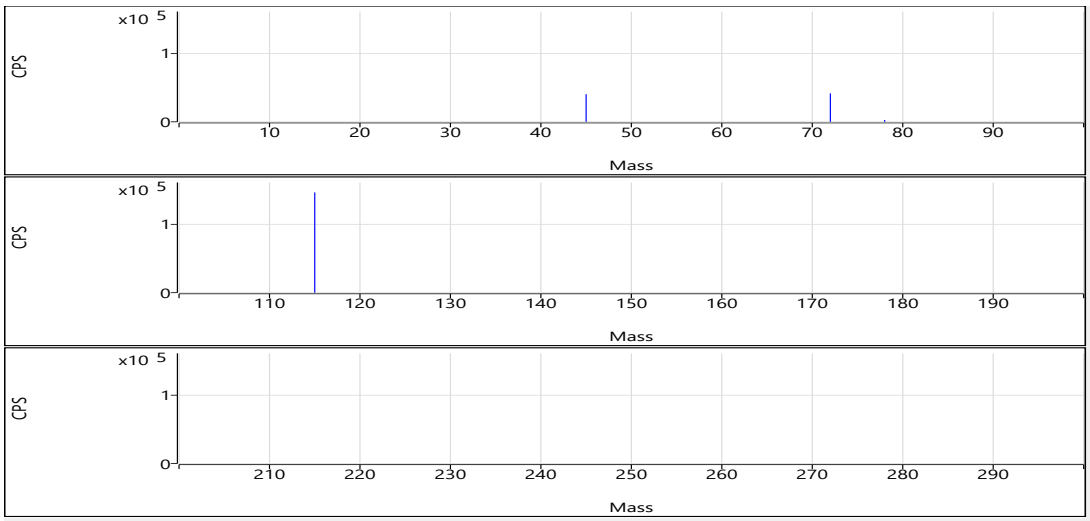
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1046139.46	0.4	100.1	Analog	0.1000	3
No Gas	Ge	72	592823.74	0.6	98.6	Pulse	0.1000	3
H2	Sc	45	40124.61	0.9	94.9	Pulse	0.1000	3
H2	Ge	72	41369.47	1.9	94.3	Pulse	0.1000	3
H2	In	115	145675.62	0.9	96.7	Pulse	0.1000	3
He	Sc	45	11301.57	2.9	98.9	Pulse	0.1000	3
He	Ge	72	24839.49	1.9	98.1	Pulse	0.1000	3
He	In	115	27234.93	3.1	99.8	Pulse	0.1000	3
He	Tb	159	173889.44	0.4	98.6	Pulse	0.1000	3
He	Bi	209	132834.68	1.0	98.5	Pulse	0.1000	3

No Gas

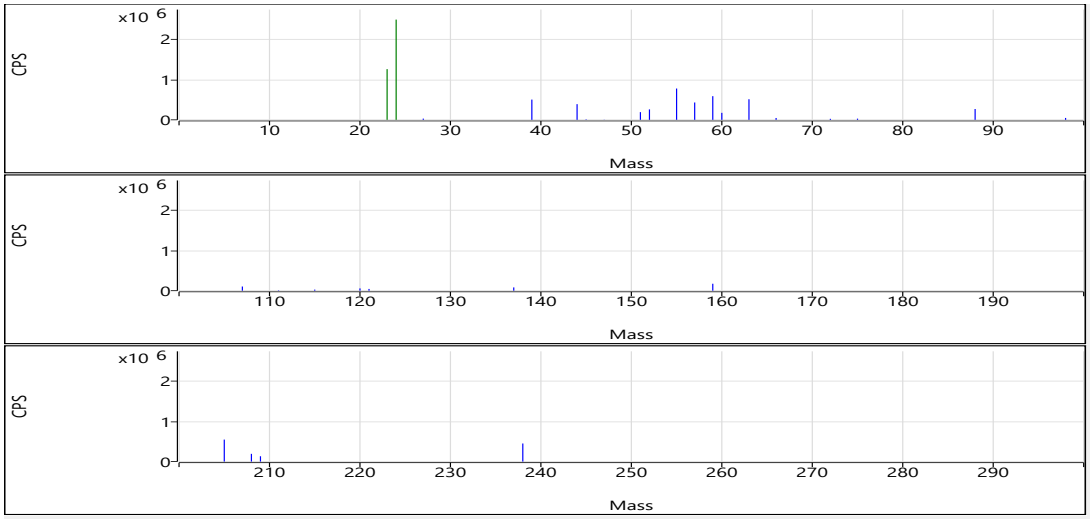


H2



Quantitation Report

He



Quantitation Report

Data File Name	165SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:04:11 PM
Sample Name	410-235858-E-9-A MSD
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

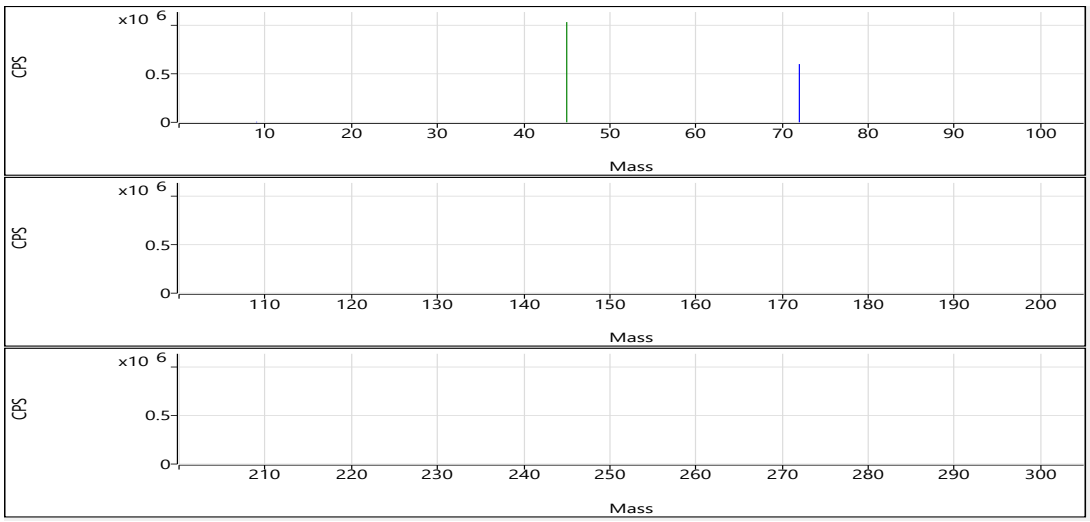
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	49.819	ug/L	1.4	5184.95	0.0050	Pulse	0.5000	3
Se	78	72	H2	101.545	ppb	2.9	512.23	0.0123	Pulse	1.5000	3
Na	23	72	He	27174.795	ug/L	2.4	259322.11	10.0868	Pulse	0.1000	3
Mg	24	72	He	107790.065	ug/L	2.7	516110.71	20.0769	Pulse	0.1000	3
Al	27	72	He	4591.579	ug/L	4.7	6058.15	0.2355	Pulse	0.1000	3
K	39	72	He	37401.196	ppb	0.6	103571.02	4.0271	Pulse	0.1000	3
Ca	44	72	He	444788.397	ppb	1.8	79721.53	3.1007	Pulse	0.1000	3
Ti	47	159	He	521.806	ppb	2.3	773.38	0.0044	Pulse	0.1000	3
V	51	72	He	484.837	ppb	3.0	39272.41	1.5277	Pulse	0.5000	3
Cr	52	45	He	546.418	ppb	3.3	55065.04	5.1395	Pulse	0.1000	3
Mn	55	45	He	4337.775	ppb	1.4	162707.19	15.1834	Pulse	0.1000	3
Fe	57	72	He	39898.382	ppb	3.2	90961.40	3.5387	Pulse	0.1000	3
Co	59	72	He	465.935	ppb	1.2	122791.57	4.7754	Pulse	0.1000	3
Ni	60	72	He	482.966	ppb	4.9	36408.16	1.4168	Pulse	0.1000	3
Cu	63	72	He	493.374	ppb	3.1	109946.81	4.2772	Pulse	0.1000	3
Zn	66	72	He	488.195	ppb	2.7	9787.11	0.3806	Pulse	0.1000	3
As	75	45	He	550.666	ppb	1.3	5955.31	0.5556	Pulse	0.5000	3
Sr	88	159	He	1146.258	ppb	1.0	55308.68	0.3151	Pulse	0.1000	3
Mo	98	159	He	52.288	ppb	4.4	9663.70	0.0551	Pulse	0.1000	3
Ag	107	159	He	50.528	ppb	2.3	22125.38	0.1260	Pulse	0.1000	3
Cd	111	159	He	51.315	ppb	2.9	2155.52	0.0123	Pulse	0.5000	3
Sn	120	159	He	99.592	ppb	2.0	13070.16	0.0745	Pulse	0.1000	3
Sb	121	159	He	99.917	ppb	2.4	9053.37	0.0516	Pulse	0.1000	3
Ba	137	159	He	528.225	ppb	3.6	17348.69	0.0988	Pulse	0.1000	3
Tl	205	159	He	102.940	ppb	2.5	114611.84	0.6529	Pulse	0.1000	3
Pb	208	159	He	52.656	ppb	2.1	40919.96	0.2331	Pulse	0.1000	3
U	238	209	He	51.096	ppb	0.8	93703.25	0.6802	Pulse	0.1000	3

ISTD Table:

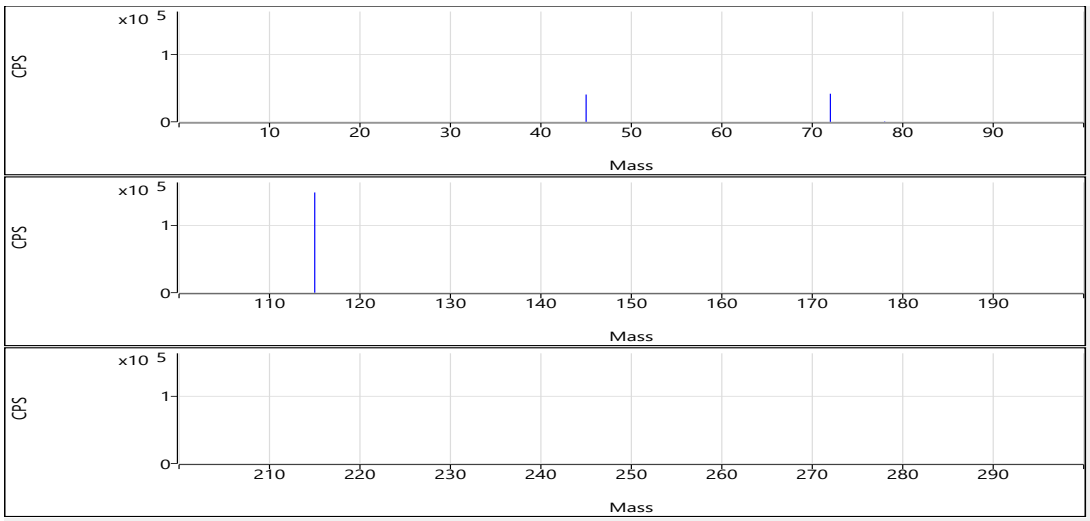
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027901.05	0.6	98.3	Analog	0.1000	3
No Gas	Ge	72	597034.46	0.2	99.3	Pulse	0.1000	3
H2	Sc	45	40428.47	3.1	95.6	Pulse	0.1000	3
H2	Ge	72	41616.50	1.8	94.9	Pulse	0.1000	3
H2	In	115	148509.29	1.2	98.5	Pulse	0.1000	3
He	Sc	45	10717.77	1.6	93.8	Pulse	0.1000	3
He	Ge	72	25717.86	2.4	101.5	Pulse	0.1000	3
He	In	115	27188.00	1.9	99.6	Pulse	0.1000	3
He	Tb	159	175533.70	0.3	99.5	Pulse	0.1000	3
He	Bi	209	137758.76	1.1	102.1	Pulse	0.1000	3

No Gas

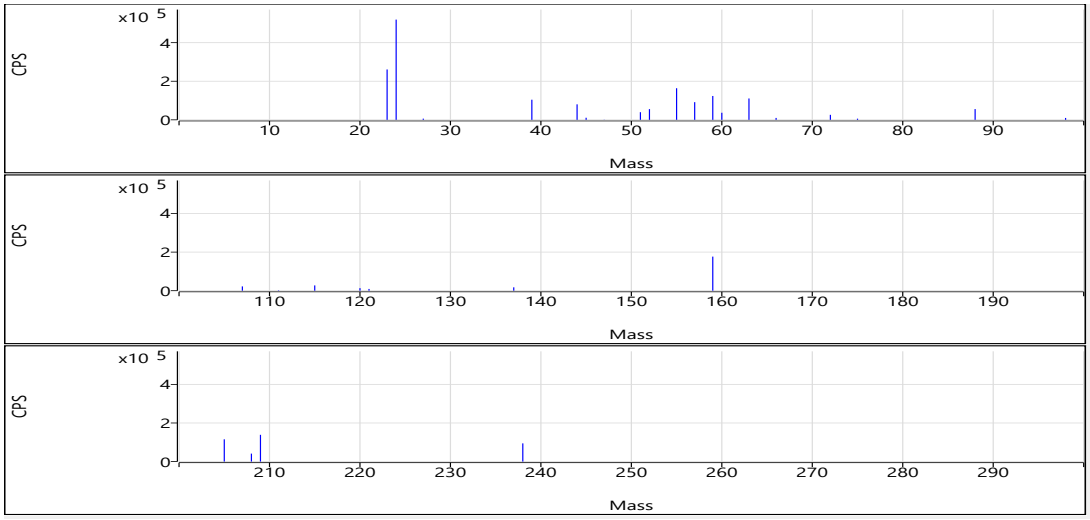


H2



Quantitation Report

He



Quantitation Report

Data File Name	166SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:06:04 PM
Sample Name	410-234682-K-4-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

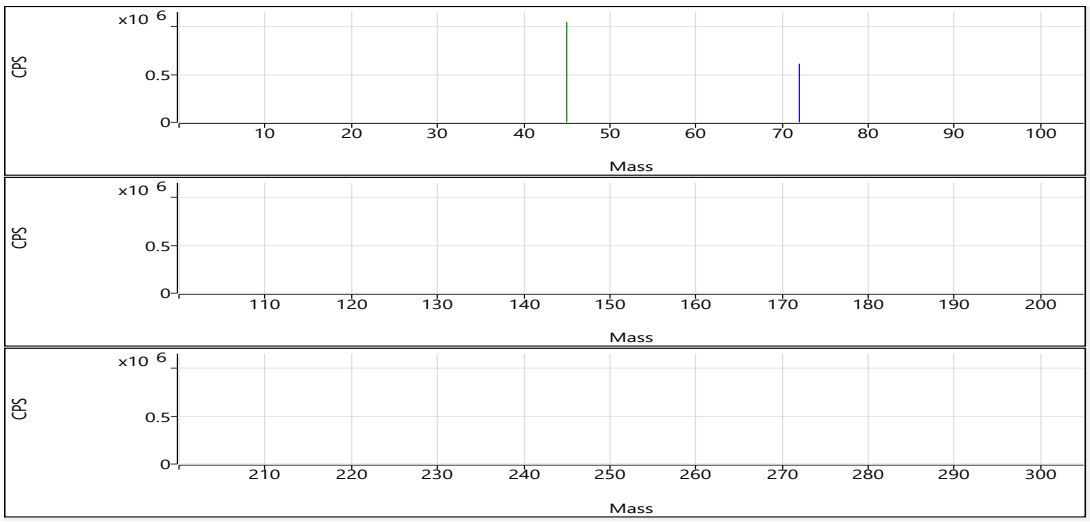
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.015	ug/L	88.5	34.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.138	ppb	49.1	5.55	0.0001	Pulse	1.5000	3
Na	23	72	He	5452.412	ug/L	1.2	254943.84	10.1185	Pulse	0.1000	3
Mg	24	72	He	1829.971	ug/L	2.9	43082.36	1.7100	Pulse	0.1000	3
Al	27	72	He	8.344	ug/L	81.2	100.00	0.0040	Pulse	0.1000	3
K	39	72	He	2567.852	ppb	2.6	36153.47	1.4349	Pulse	0.1000	3
Ca	44	72	He	19054.936	ppb	4.6	16750.47	0.6649	Pulse	0.1000	3
Ti	47	159	He	0.938	ppb	339.9	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.045	ppb	118.0	134.00	0.0053	Pulse	0.5000	3
Cr	52	45	He	0.026	ppb	283.0	500.03	0.0455	Pulse	0.1000	3
Mn	55	45	He	634.260	ppb	1.9	122050.23	11.1016	Pulse	0.1000	3
Fe	57	72	He	16015.214	ppb	1.4	178855.44	7.0987	Pulse	0.1000	3
Co	59	72	He	1.129	ppb	11.4	1566.80	0.0622	Pulse	0.1000	3
Ni	60	72	He	0.572	ppb	64.4	363.35	0.0144	Pulse	0.1000	3
Cu	63	72	He	0.392	ppb	13.7	560.03	0.0222	Pulse	0.1000	3
Zn	66	72	He	1.268	ppb	53.3	173.34	0.0069	Pulse	0.1000	3
As	75	45	He	10.241	ppb	4.8	577.35	0.0525	Pulse	0.5000	3
Sr	88	159	He	101.702	ppb	4.5	24746.38	0.1409	Pulse	0.1000	3
Mo	98	159	He	0.555	ppb	10.9	570.03	0.0032	Pulse	0.1000	3
Ag	107	159	He	0.006	ppb	47.6	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	8745.4	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.726	ppb	N/A	1460.13	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.294	ppb	22.4	146.67	0.0008	Pulse	0.1000	3
Ba	137	159	He	13.640	ppb	5.5	2983.78	0.0170	Pulse	0.1000	3
Tl	205	159	He	0.037	ppb	28.8	446.70	0.0025	Pulse	0.1000	3
Pb	208	159	He	0.649	ppb	1.9	2677.04	0.0152	Pulse	0.1000	3
U	238	209	He	0.014	ppb	28.7	306.69	0.0022	Pulse	0.1000	3

ISTD Table:

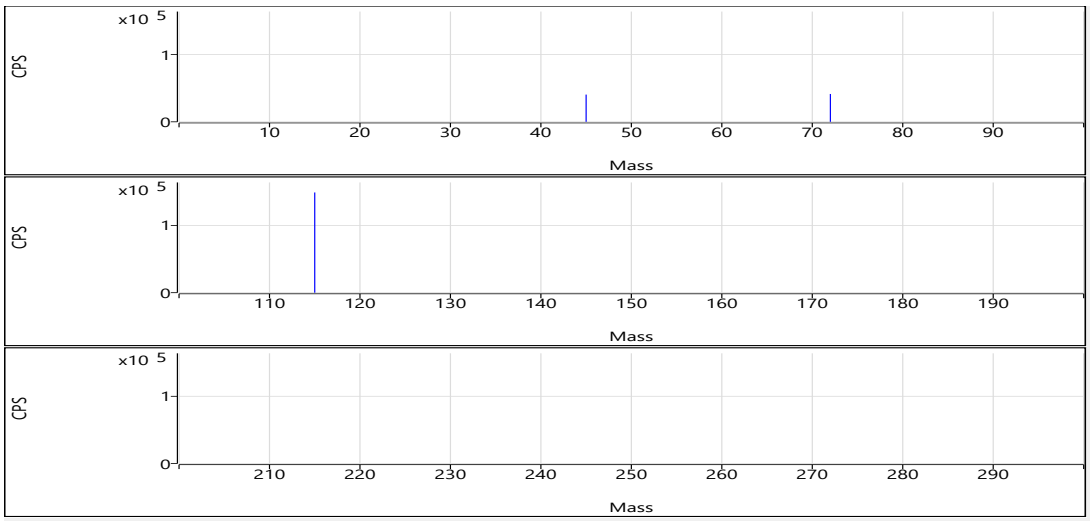
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1048123.73	1.0	100.3	Analog	0.1000	3
No Gas	Ge	72	612763.11	1.0	101.9	Pulse	0.1000	3
H2	Sc	45	40649.34	1.1	96.2	Pulse	0.1000	3
H2	Ge	72	41576.33	1.2	94.8	Pulse	0.1000	3
H2	In	115	149672.65	0.8	99.3	Pulse	0.1000	3
He	Sc	45	10994.69	0.7	96.3	Pulse	0.1000	3
He	Ge	72	25197.00	0.6	99.5	Pulse	0.1000	3
He	In	115	27558.81	2.2	101.0	Pulse	0.1000	3
He	Tb	159	175695.59	1.5	99.6	Pulse	0.1000	3
He	Bi	209	138264.66	1.5	102.5	Pulse	0.1000	3

No Gas

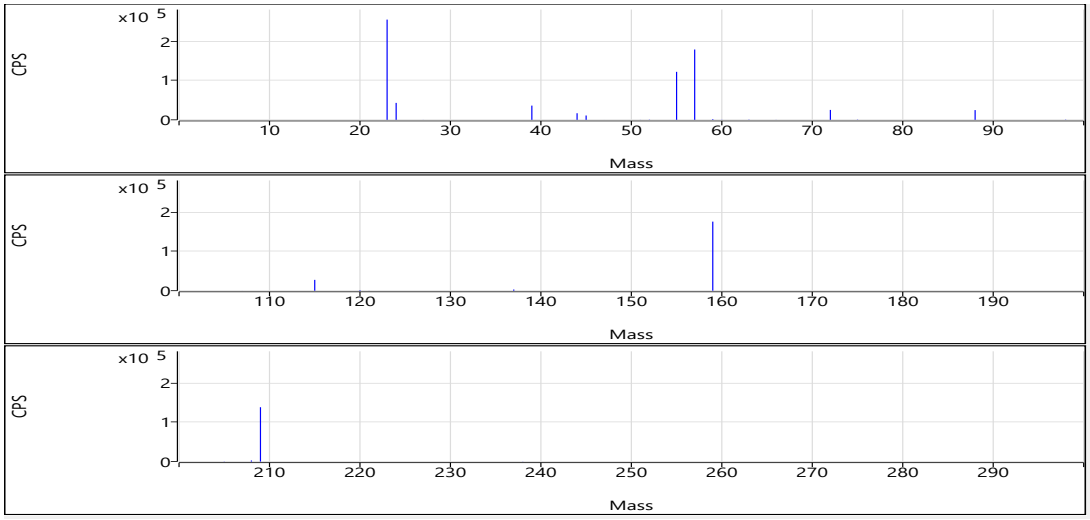


H2



Quantitation Report

He



Quantitation Report

Data File Name	167SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:08:04 PM
Sample Name	410-234682-K-4-B DU
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

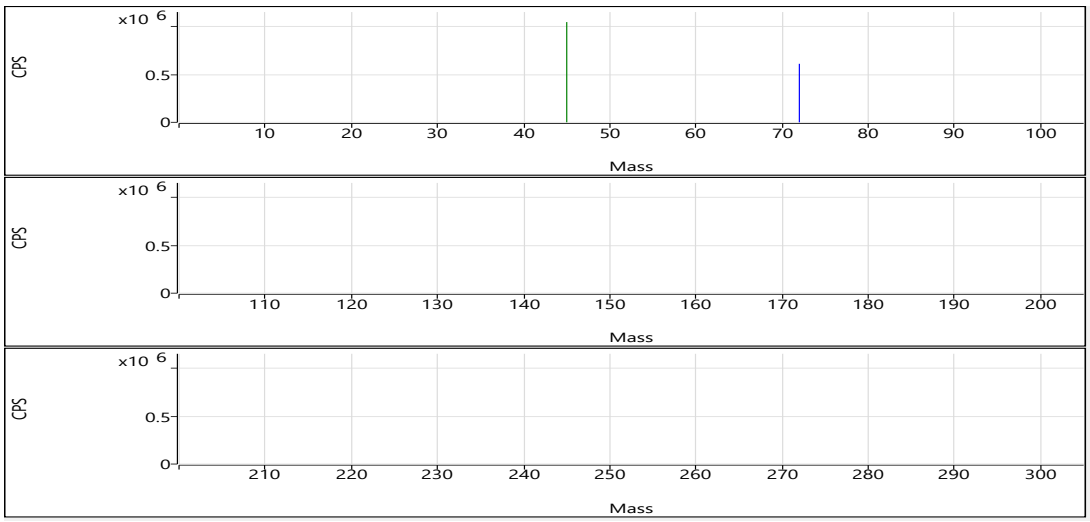
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.158	ppb	51.6	6.22	0.0001	Pulse	1.5000	3
Na	23	72	He	5387.727	ug/L	1.5	253905.41	10.0011	Pulse	0.1000	3
Mg	24	72	He	1813.141	ug/L	1.7	43015.45	1.6944	Pulse	0.1000	3
Al	27	72	He	11.845	ug/L	20.2	123.34	0.0049	Pulse	0.1000	3
K	39	72	He	2579.616	ppb	0.1	36591.24	1.4411	Pulse	0.1000	3
Ca	44	72	He	19642.231	ppb	2.1	17404.59	0.6854	Pulse	0.1000	3
Ti	47	159	He	1.788	ppb	129.0	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.100	ppb	19.7	156.67	0.0062	Pulse	0.5000	3
Cr	52	45	He	-0.131	ppb	N/A	413.36	0.0382	Pulse	0.1000	3
Mn	55	45	He	650.205	ppb	5.4	123409.24	11.3806	Pulse	0.1000	3
Fe	57	72	He	15909.845	ppb	2.0	179027.02	7.0520	Pulse	0.1000	3
Co	59	72	He	1.205	ppb	6.5	1676.84	0.0661	Pulse	0.1000	3
Ni	60	72	He	0.628	ppb	32.1	386.69	0.0152	Pulse	0.1000	3
Cu	63	72	He	0.549	ppb	6.7	736.71	0.0290	Pulse	0.1000	3
Zn	66	72	He	1.147	ppb	35.0	163.34	0.0064	Pulse	0.1000	3
As	75	45	He	11.111	ppb	11.2	616.02	0.0569	Pulse	0.5000	3
Sr	88	159	He	102.569	ppb	2.0	25103.73	0.1421	Pulse	0.1000	3
Mo	98	159	He	0.573	ppb	23.6	590.04	0.0033	Pulse	0.1000	3
Ag	107	159	He	0.011	ppb	89.4	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	-0.006	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.446	ppb	N/A	1626.83	0.0092	Pulse	0.1000	3
Sb	121	159	He	0.154	ppb	8.7	83.33	0.0005	Pulse	0.1000	3
Ba	137	159	He	15.200	ppb	6.8	3243.87	0.0184	Pulse	0.1000	3
Tl	205	159	He	-0.007	ppb	N/A	206.68	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.665	ppb	3.7	2753.73	0.0156	Pulse	0.1000	3
U	238	209	He	0.004	ppb	133.0	216.68	0.0016	Pulse	0.1000	3

ISTD Table:

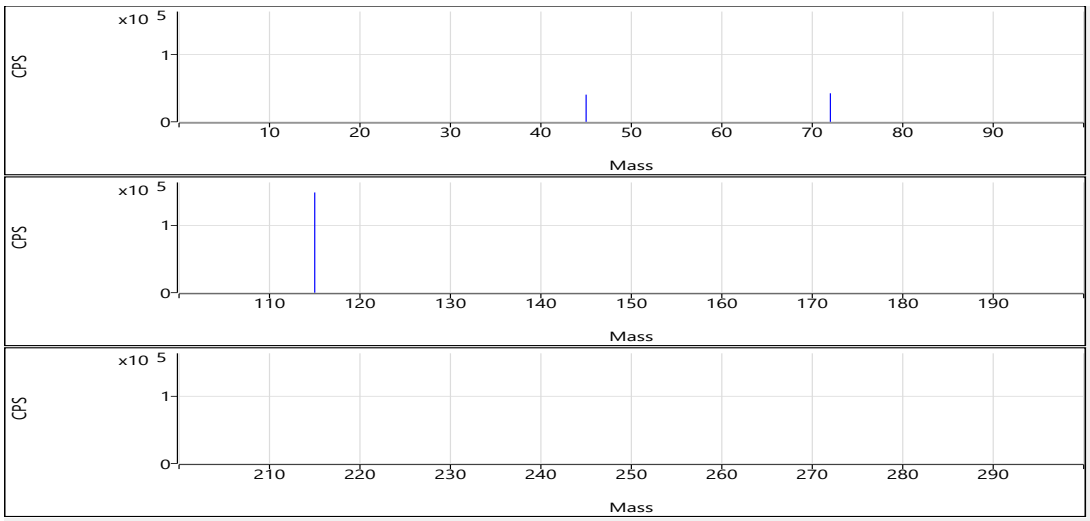
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1050187.04	0.5	100.5	Analog	0.1000	3
No Gas	Ge	72	612957.45	0.1	101.9	Pulse	0.1000	3
H2	Sc	45	40545.45	0.6	95.9	Pulse	0.1000	3
H2	Ge	72	42549.17	1.5	97.0	Pulse	0.1000	3
H2	In	115	149515.41	1.4	99.2	Pulse	0.1000	3
He	Sc	45	10864.53	5.4	95.1	Pulse	0.1000	3
He	Ge	72	25390.61	1.2	100.2	Pulse	0.1000	3
He	In	115	27722.62	2.6	101.6	Pulse	0.1000	3
He	Tb	159	176681.58	0.9	100.2	Pulse	0.1000	3
He	Bi	209	139730.51	2.6	103.6	Pulse	0.1000	3

No Gas

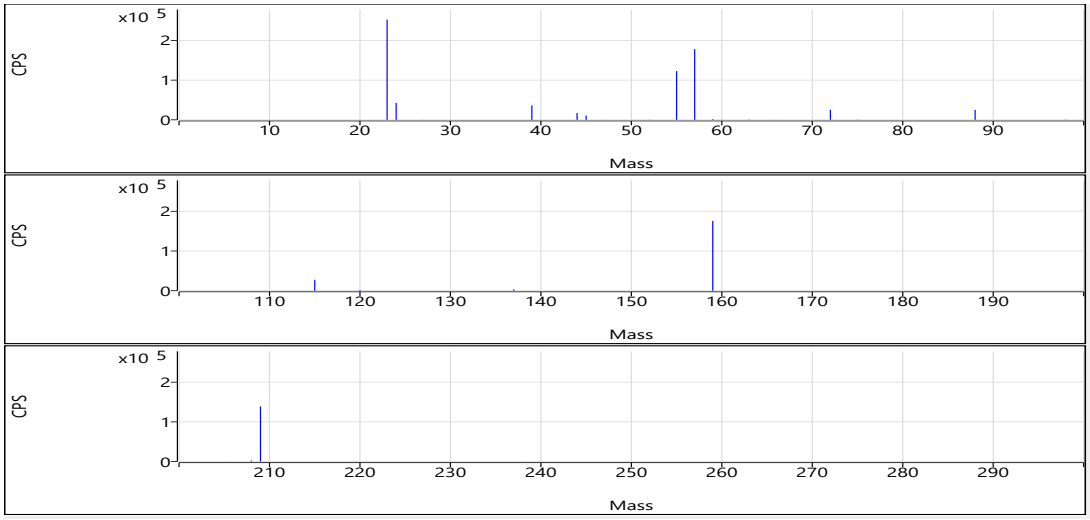


H2



Quantitation Report

He



Quantitation Report

Data File Name	168SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:10:04 PM
Sample Name	410-234682-K-4-C MS
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

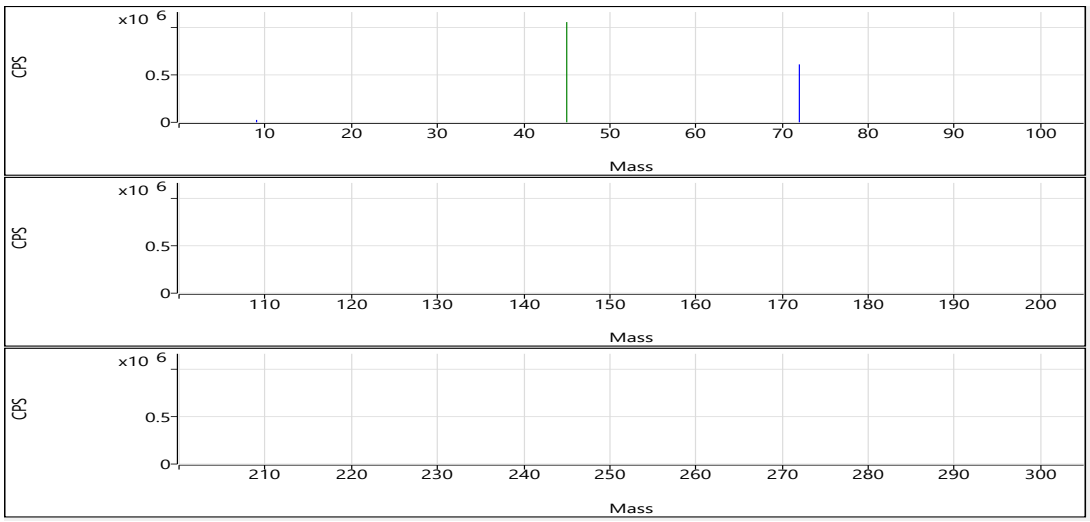
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.215	ug/L	1.7	25109.03	0.0238	Pulse	0.5000	3
Se	78	72	H2	101.108	ppb	1.1	2531.57	0.0611	Pulse	1.5000	3
Na	23	72	He	10024.702	ug/L	1.9	472658.29	18.4164	Pulse	0.1000	3
Mg	24	72	He	6390.216	ug/L	1.6	152858.45	5.9556	Pulse	0.1000	3
Al	27	72	He	4558.842	ug/L	2.4	29818.57	1.1619	Pulse	0.1000	3
K	39	72	He	7263.792	ppb	3.8	100408.09	3.9129	Pulse	0.1000	3
Ca	44	72	He	24028.940	ppb	2.9	21510.37	0.8382	Pulse	0.1000	3
Ti	47	159	He	512.075	ppb	2.0	3800.66	0.0215	Pulse	0.1000	3
V	51	72	He	470.833	ppb	2.7	189911.75	7.4003	Pulse	0.5000	3
Cr	52	45	He	504.466	ppb	0.9	263312.11	23.5645	Pulse	0.1000	3
Mn	55	45	He	1112.946	ppb	1.1	217635.08	19.4767	Pulse	0.1000	3
Fe	57	72	He	20317.407	ppb	2.3	231090.98	9.0046	Pulse	0.1000	3
Co	59	72	He	455.122	ppb	2.1	598139.57	23.3062	Pulse	0.1000	3
Ni	60	72	He	476.752	ppb	2.8	178836.48	6.9689	Pulse	0.1000	3
Cu	63	72	He	479.230	ppb	2.6	532575.58	20.7528	Pulse	0.1000	3
Zn	66	72	He	462.475	ppb	2.2	46080.49	1.7955	Pulse	0.1000	3
As	75	45	He	526.658	ppb	2.9	29647.61	2.6536	Pulse	0.5000	3
Sr	88	159	He	148.987	ppb	1.9	36372.29	0.2055	Pulse	0.1000	3
Mo	98	159	He	50.557	ppb	1.5	46884.79	0.2649	Pulse	0.1000	3
Ag	107	159	He	50.075	ppb	0.7	110437.08	0.6239	Pulse	0.1000	3
Cd	111	159	He	49.490	ppb	0.8	10470.08	0.0591	Pulse	0.5000	3
Sn	120	159	He	98.443	ppb	0.3	57717.83	0.3260	Pulse	0.1000	3
Sb	121	159	He	99.876	ppb	0.6	45578.37	0.2575	Pulse	0.1000	3
Ba	137	159	He	509.300	ppb	0.7	81062.79	0.4579	Pulse	0.1000	3
Tl	205	159	He	100.048	ppb	0.9	560777.32	3.1677	Pulse	0.1000	3
Pb	208	159	He	50.698	ppb	1.7	198056.39	1.1187	Pulse	0.1000	3
U	238	209	He	49.278	ppb	1.8	455503.45	3.2751	Pulse	0.1000	3

ISTD Table:

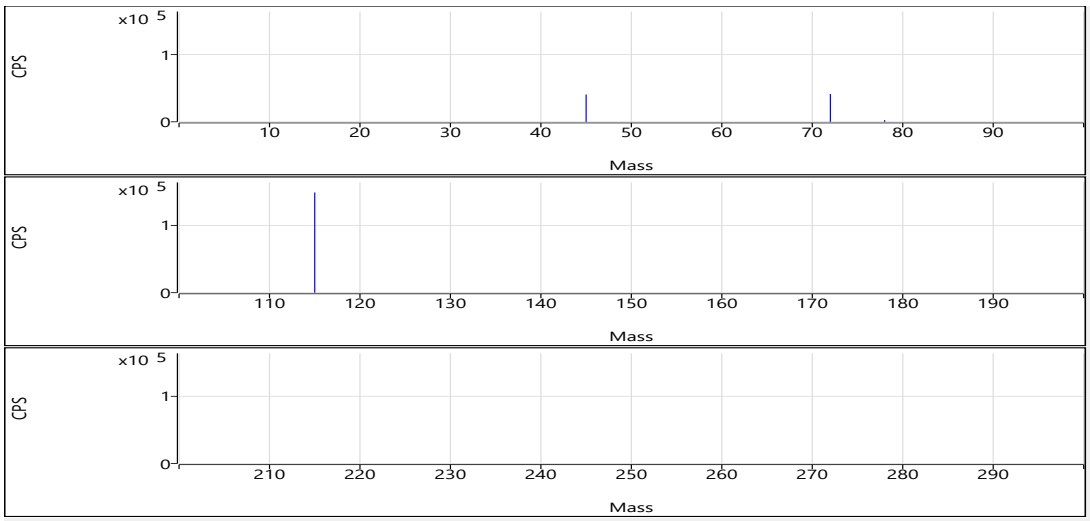
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1054677.87	0.5	100.9	Analog	0.1000	3
No Gas	Ge	72	609511.53	0.4	101.4	Pulse	0.1000	3
H2	Sc	45	40595.83	1.0	96.0	Pulse	0.1000	3
H2	Ge	72	41436.02	1.4	94.5	Pulse	0.1000	3
H2	In	115	149083.19	0.9	98.9	Pulse	0.1000	3
He	Sc	45	11174.74	0.9	97.8	Pulse	0.1000	3
He	Ge	72	25671.14	1.9	101.3	Pulse	0.1000	3
He	In	115	27131.40	2.4	99.4	Pulse	0.1000	3
He	Tb	159	177023.80	0.8	100.4	Pulse	0.1000	3
He	Bi	209	139086.19	1.6	103.1	Pulse	0.1000	3

No Gas

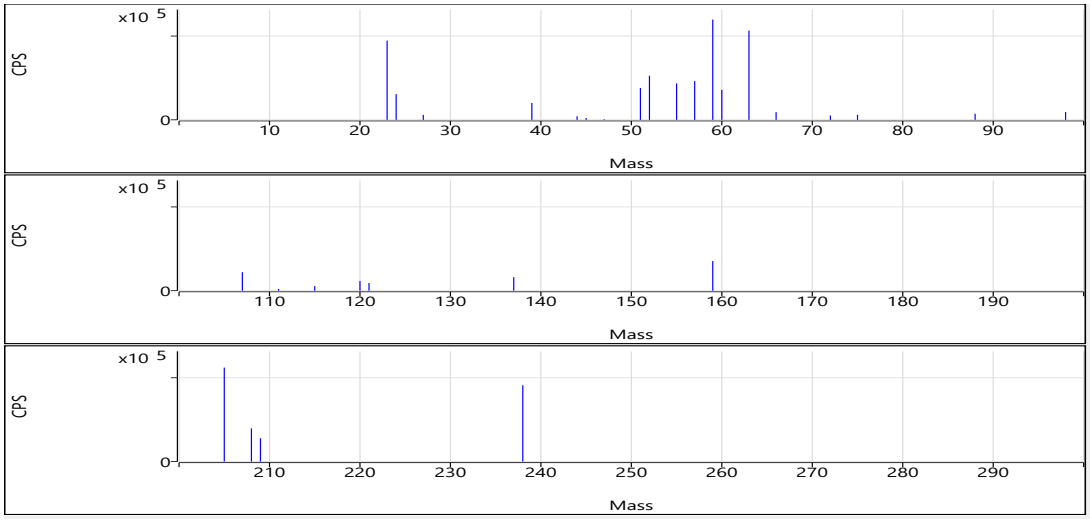


H2



Quantitation Report

He



Quantitation Report

Data File Name	169SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:12:03 PM
Sample Name	410-234682-K-4-D MSD
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

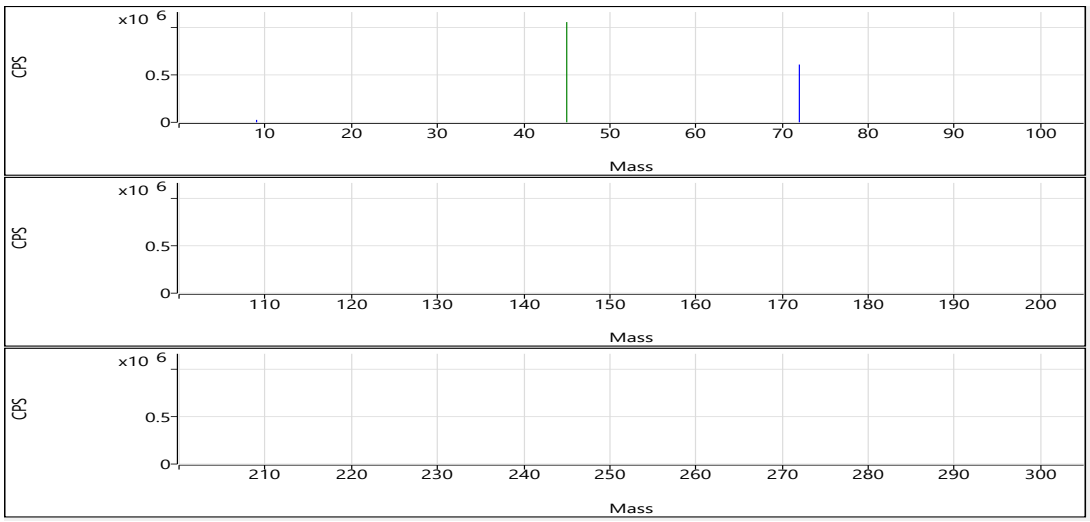
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.849	ug/L	1.6	25472.34	0.0241	Pulse	0.5000	3
Se	78	72	H2	99.494	ppb	2.8	2553.35	0.0601	Pulse	1.5000	3
Na	23	72	He	10152.615	ug/L	1.5	476292.56	18.6485	Pulse	0.1000	3
Mg	24	72	He	6465.330	ug/L	1.2	153900.45	6.0256	Pulse	0.1000	3
Al	27	72	He	4694.325	ug/L	1.7	30563.48	1.1964	Pulse	0.1000	3
K	39	72	He	7257.789	ppb	1.3	99860.57	3.9097	Pulse	0.1000	3
Ca	44	72	He	22858.819	ppb	2.7	20365.21	0.7975	Pulse	0.1000	3
Ti	47	159	He	504.753	ppb	7.6	3733.94	0.0212	Pulse	0.1000	3
V	51	72	He	478.782	ppb	1.4	192198.95	7.5252	Pulse	0.5000	3
Cr	52	45	He	500.002	ppb	2.0	266459.68	23.3564	Pulse	0.1000	3
Mn	55	45	He	1090.624	ppb	1.4	217759.90	19.0862	Pulse	0.1000	3
Fe	57	72	He	20202.768	ppb	0.3	228713.25	8.9538	Pulse	0.1000	3
Co	59	72	He	463.093	ppb	1.2	605702.65	23.7143	Pulse	0.1000	3
Ni	60	72	He	479.629	ppb	0.5	179079.44	7.0109	Pulse	0.1000	3
Cu	63	72	He	489.474	ppb	0.5	541415.83	21.1963	Pulse	0.1000	3
Zn	66	72	He	475.509	ppb	0.9	47153.82	1.8461	Pulse	0.1000	3
As	75	45	He	521.333	ppb	2.1	29966.92	2.6268	Pulse	0.5000	3
Sr	88	159	He	150.477	ppb	2.2	36623.06	0.2075	Pulse	0.1000	3
Mo	98	159	He	50.859	ppb	2.1	47021.65	0.2664	Pulse	0.1000	3
Ag	107	159	He	50.499	ppb	1.0	111038.25	0.6292	Pulse	0.1000	3
Cd	111	159	He	50.069	ppb	0.9	10560.83	0.0598	Pulse	0.5000	3
Sn	120	159	He	99.251	ppb	1.5	58002.47	0.3286	Pulse	0.1000	3
Sb	121	159	He	97.739	ppb	0.7	44471.14	0.2520	Pulse	0.1000	3
Ba	137	159	He	514.267	ppb	2.1	81593.69	0.4623	Pulse	0.1000	3
Tl	205	159	He	100.524	ppb	1.0	561766.67	3.1827	Pulse	0.1000	3
Pb	208	159	He	50.861	ppb	2.0	198103.46	1.1223	Pulse	0.1000	3
U	238	209	He	50.093	ppb	0.8	452127.54	3.3292	Pulse	0.1000	3

ISTD Table:

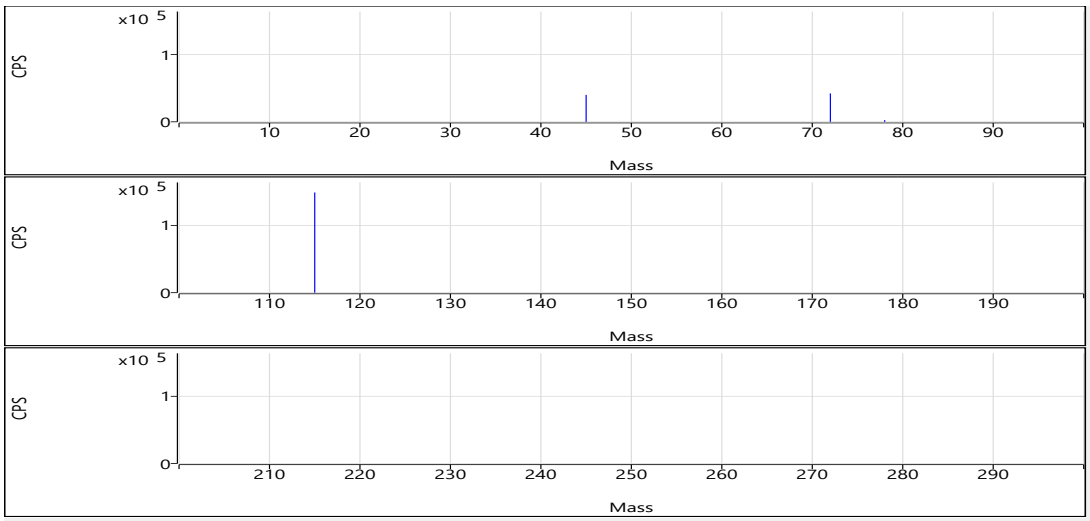
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1055690.56	0.5	101.0	Analog	0.1000	3
No Gas	Ge	72	608349.87	0.6	101.2	Pulse	0.1000	3
H2	Sc	45	40308.56	2.8	95.4	Pulse	0.1000	3
H2	Ge	72	42499.14	4.0	96.9	Pulse	0.1000	3
H2	In	115	150184.36	0.6	99.7	Pulse	0.1000	3
He	Sc	45	11411.63	2.2	99.9	Pulse	0.1000	3
He	Ge	72	25544.22	1.4	100.8	Pulse	0.1000	3
He	In	115	27208.16	0.9	99.7	Pulse	0.1000	3
He	Tb	159	176496.09	0.9	100.1	Pulse	0.1000	3
He	Bi	209	135795.61	2.2	100.7	Pulse	0.1000	3

No Gas

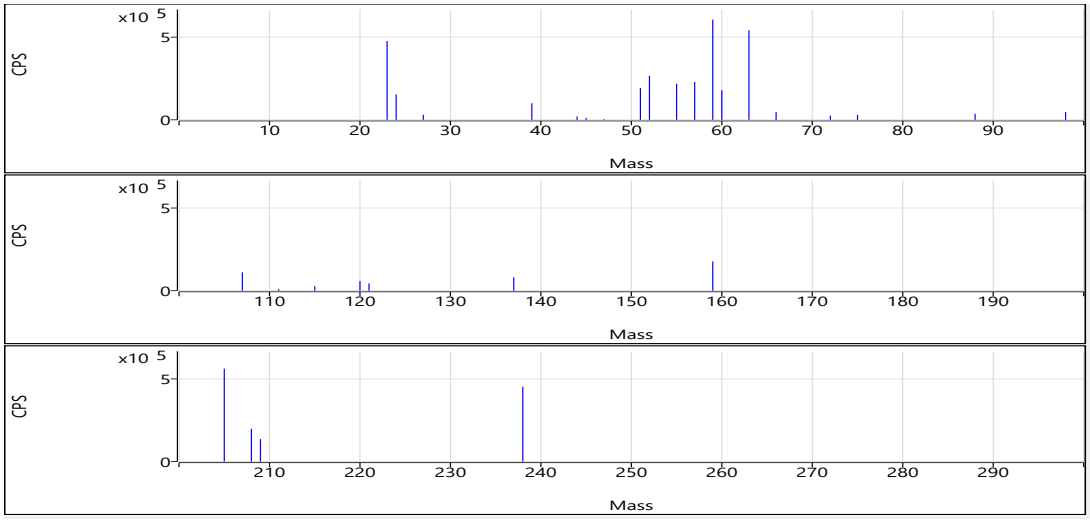


H2



Quantitation Report

He



Quantitation Report

Data File Name	170SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:14:03 PM
Sample Name	410-234682-K-13-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

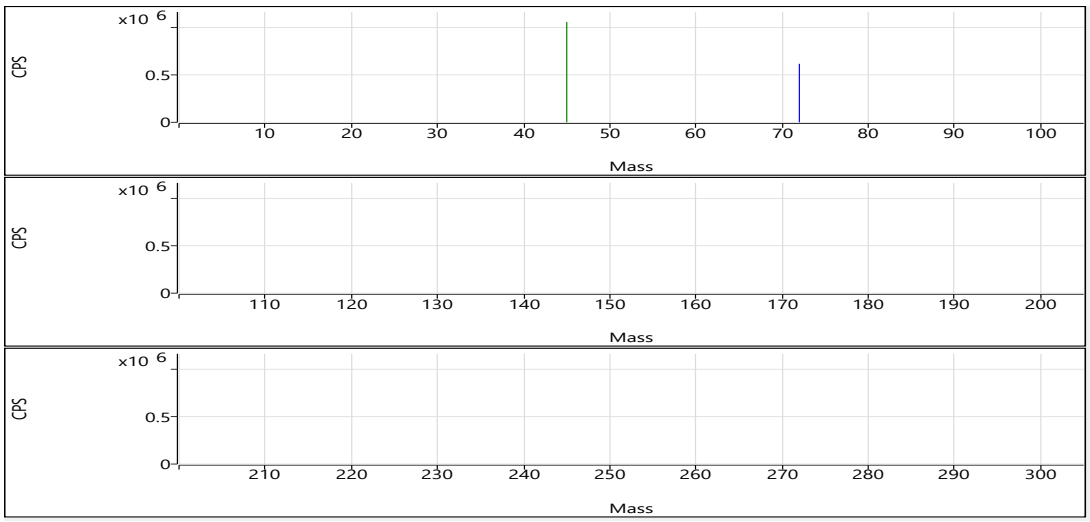
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.066	ug/L	59.1	61.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.115	ppb	73.4	5.11	0.0001	Pulse	1.5000	3
Na	23	72	He	10228.873	ug/L	1.6	475342.66	18.7869	Pulse	0.1000	3
Mg	24	72	He	4417.217	ug/L	1.2	104214.07	4.1188	Pulse	0.1000	3
Al	27	72	He	914.186	ug/L	5.0	5931.44	0.2345	Pulse	0.1000	3
K	39	72	He	5661.320	ppb	2.2	77605.50	3.0673	Pulse	0.1000	3
Ca	44	72	He	46423.497	ppb	2.1	40953.65	1.6186	Pulse	0.1000	3
Ti	47	159	He	40.823	ppb	30.0	313.35	0.0017	Pulse	0.1000	3
V	51	72	He	2.250	ppb	12.7	1010.71	0.0400	Pulse	0.5000	3
Cr	52	45	He	0.667	ppb	35.5	836.72	0.0754	Pulse	0.1000	3
Mn	55	45	He	4204.549	ppb	1.6	816860.67	73.5676	Pulse	0.1000	3
Fe	57	72	He	26213.487	ppb	1.6	293923.58	11.6167	Pulse	0.1000	3
Co	59	72	He	8.703	ppb	1.0	11384.96	0.4499	Pulse	0.1000	3
Ni	60	72	He	1.345	ppb	17.5	650.04	0.0257	Pulse	0.1000	3
Cu	63	72	He	3.433	ppb	3.5	3894.03	0.1539	Pulse	0.1000	3
Zn	66	72	He	12.466	ppb	12.5	1273.44	0.0503	Pulse	0.1000	3
As	75	45	He	36.697	ppb	1.0	2062.83	0.1858	Pulse	0.5000	3
Sr	88	159	He	324.412	ppb	3.0	79805.20	0.4450	Pulse	0.1000	3
Mo	98	159	He	0.908	ppb	7.5	913.40	0.0051	Pulse	0.1000	3
Ag	107	159	He	0.015	ppb	75.2	63.33	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.034	ppb	57.7	10.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.621	ppb	N/A	1550.15	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.216	ppb	21.3	113.34	0.0006	Pulse	0.1000	3
Ba	137	159	He	54.974	ppb	5.1	9637.16	0.0537	Pulse	0.1000	3
Tl	205	159	He	0.060	ppb	25.8	586.70	0.0033	Pulse	0.1000	3
Pb	208	159	He	9.989	ppb	1.5	39665.95	0.2212	Pulse	0.1000	3
U	238	209	He	0.375	ppb	3.6	3560.65	0.0262	Pulse	0.1000	3

ISTD Table:

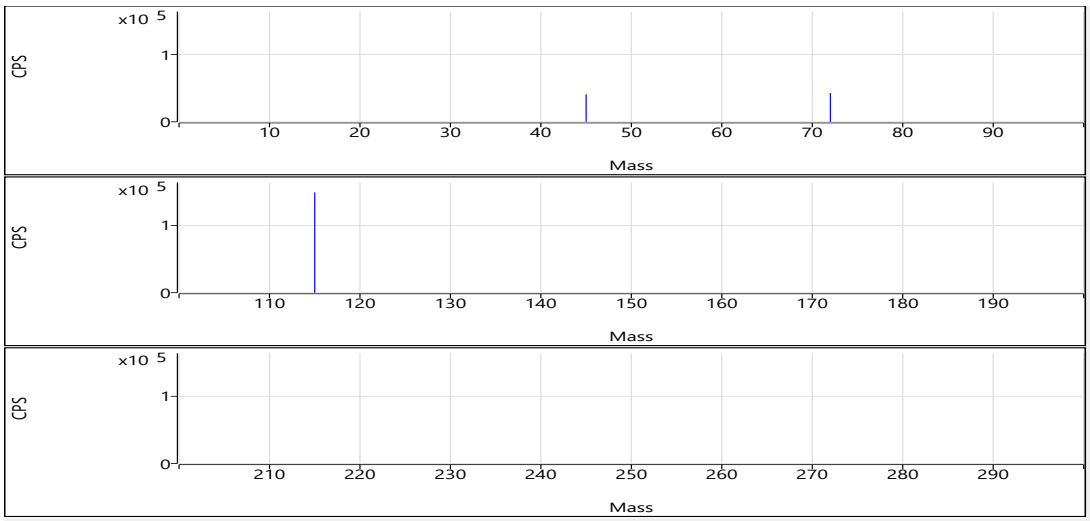
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1058821.52	0.3	101.3	Analog	0.1000	3
No Gas	Ge	72	618027.66	0.6	102.8	Pulse	0.1000	3
H2	Sc	45	40893.40	2.1	96.7	Pulse	0.1000	3
H2	Ge	72	42709.72	0.8	97.4	Pulse	0.1000	3
H2	In	115	148985.77	0.4	98.9	Pulse	0.1000	3
He	Sc	45	11104.70	1.1	97.2	Pulse	0.1000	3
He	Ge	72	25303.81	0.8	99.9	Pulse	0.1000	3
He	In	115	27017.69	2.2	99.0	Pulse	0.1000	3
He	Tb	159	179354.55	1.0	101.7	Pulse	0.1000	3
He	Bi	209	135869.38	0.6	100.7	Pulse	0.1000	3

No Gas

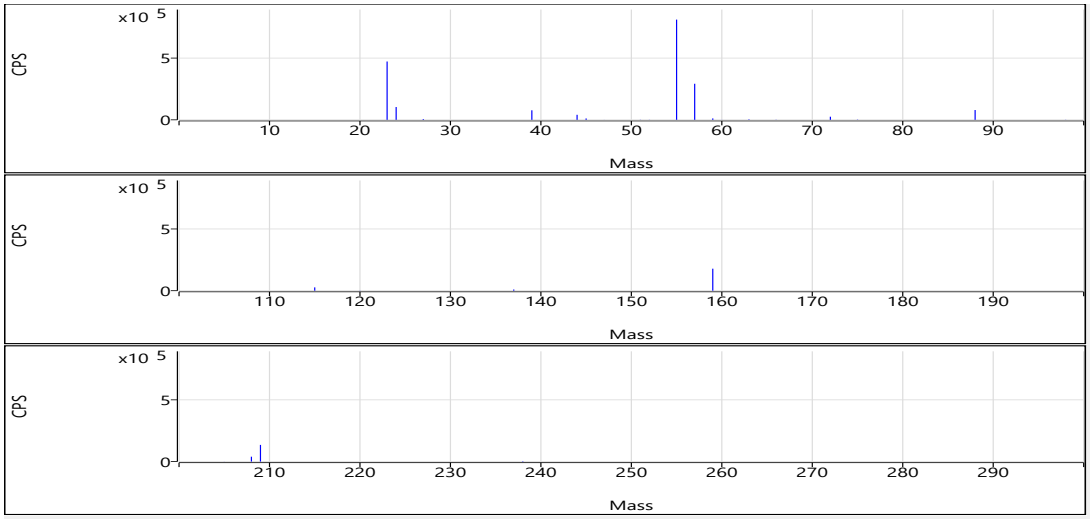


H2



Quantitation Report

He



Quantitation Report

Data File Name	171SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:16:03 PM
Sample Name	410-234682-K-6-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

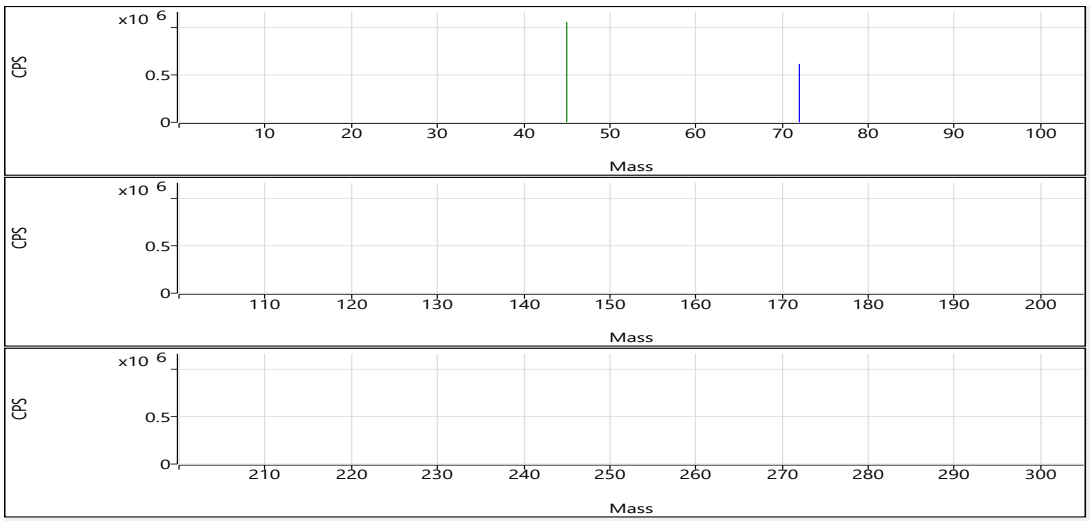
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.003	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.091	ppb	117.1	4.44	0.0001	Pulse	1.5000	3
Na	23	72	He	13937.294	ug/L	2.3	648796.22	25.5170	Pulse	0.1000	3
Mg	24	72	He	2597.813	ug/L	3.3	61649.83	2.4249	Pulse	0.1000	3
Al	27	72	He	8.797	ug/L	61.2	103.34	0.0041	Pulse	0.1000	3
K	39	72	He	3179.011	ppb	3.7	44681.07	1.7574	Pulse	0.1000	3
Ca	44	72	He	33112.199	ppb	2.3	29361.21	1.1547	Pulse	0.1000	3
Ti	47	159	He	-0.011	ppb	N/A	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.265	ppb	27.5	222.67	0.0088	Pulse	0.5000	3
Cr	52	45	He	0.184	ppb	32.7	600.03	0.0529	Pulse	0.1000	3
Mn	55	45	He	508.904	ppb	1.0	101095.99	8.9084	Pulse	0.1000	3
Fe	57	72	He	17368.508	ppb	1.9	195746.26	7.6982	Pulse	0.1000	3
Co	59	72	He	0.102	ppb	42.0	243.35	0.0096	Pulse	0.1000	3
Ni	60	72	He	0.061	ppb	116.7	176.68	0.0069	Pulse	0.1000	3
Cu	63	72	He	0.802	ppb	2.3	1016.74	0.0400	Pulse	0.1000	3
Zn	66	72	He	1.871	ppb	48.9	233.35	0.0092	Pulse	0.1000	3
As	75	45	He	9.658	ppb	8.5	562.68	0.0496	Pulse	0.5000	3
Sr	88	159	He	208.409	ppb	1.2	51219.49	0.2866	Pulse	0.1000	3
Mo	98	159	He	0.363	ppb	12.9	400.02	0.0022	Pulse	0.1000	3
Ag	107	159	He	0.012	ppb	95.3	56.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.009	ppb	294.4	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.688	ppb	N/A	1506.81	0.0084	Pulse	0.1000	3
Sb	121	159	He	0.123	ppb	31.2	70.00	0.0004	Pulse	0.1000	3
Ba	137	159	He	18.440	ppb	5.6	3797.36	0.0212	Pulse	0.1000	3
Tl	205	159	He	0.007	ppb	45.8	283.34	0.0016	Pulse	0.1000	3
Pb	208	159	He	0.566	ppb	9.4	2393.65	0.0134	Pulse	0.1000	3
U	238	209	He	0.032	ppb	36.4	476.70	0.0034	Pulse	0.1000	3

ISTD Table:

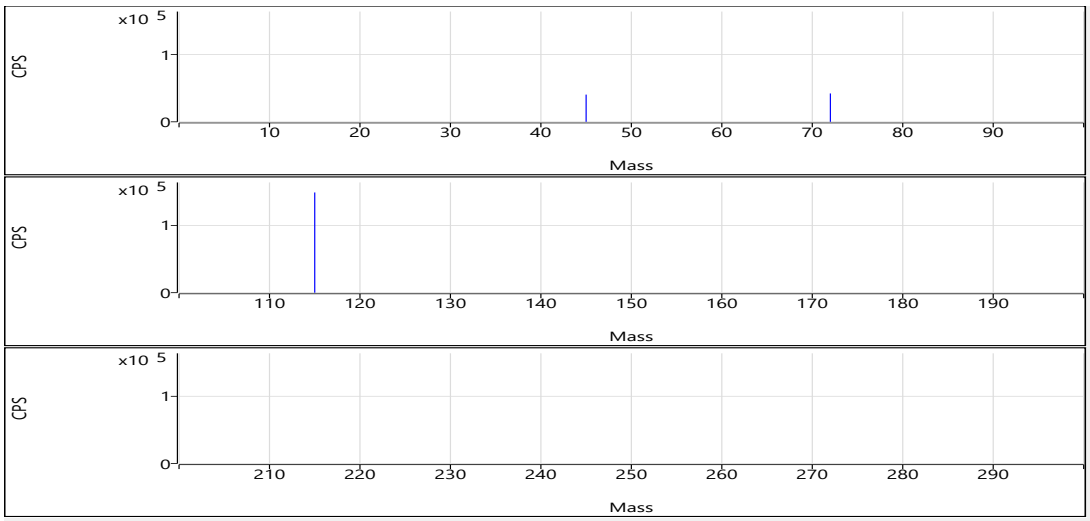
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1059425.03	0.7	101.3	Analog	0.1000	3
No Gas	Ge	72	617501.14	0.6	102.7	Pulse	0.1000	3
H2	Sc	45	40492.20	1.8	95.8	Pulse	0.1000	3
H2	Ge	72	42208.37	2.1	96.2	Pulse	0.1000	3
H2	In	115	149161.00	1.4	99.0	Pulse	0.1000	3
He	Sc	45	11348.32	0.7	99.4	Pulse	0.1000	3
He	Ge	72	25434.08	2.2	100.4	Pulse	0.1000	3
He	In	115	27712.47	1.8	101.5	Pulse	0.1000	3
He	Tb	159	178702.21	0.6	101.3	Pulse	0.1000	3
He	Bi	209	139652.43	1.4	103.5	Pulse	0.1000	3

No Gas

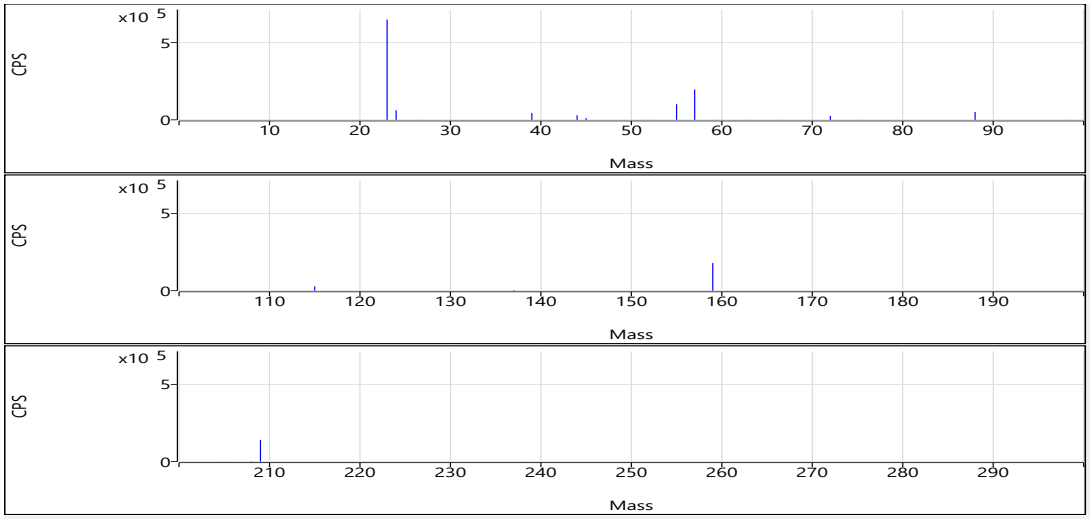


H2



Quantitation Report

He



Quantitation Report

Data File Name	172SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:18:03 PM
Sample Name	410-234682-K-5-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

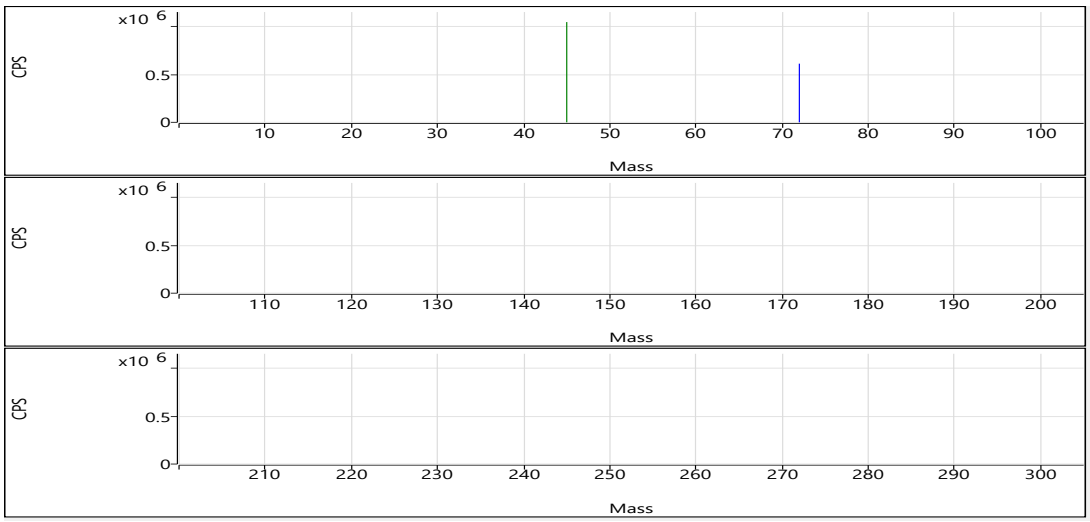
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ug/L	N/A	22.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.892	ppb	35.0	25.11	0.0006	Pulse	1.5000	3
Na	23	72	He	3652.416	ug/L	1.2	172932.34	6.8518	Pulse	0.1000	3
Mg	24	72	He	2925.568	ug/L	1.1	68902.59	2.7300	Pulse	0.1000	3
Al	27	72	He	21.286	ug/L	14.4	183.34	0.0073	Pulse	0.1000	3
K	39	72	He	2922.206	ppb	0.6	40936.32	1.6219	Pulse	0.1000	3
Ca	44	72	He	29381.141	ppb	3.0	25861.08	1.0247	Pulse	0.1000	3
Ti	47	159	He	-0.450	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.464	ppb	16.1	300.01	0.0119	Pulse	0.5000	3
Cr	52	45	He	0.129	ppb	146.5	556.70	0.0503	Pulse	0.1000	3
Mn	55	45	He	37.451	ppb	5.8	7335.52	0.6598	Pulse	0.1000	3
Fe	57	72	He	141.664	ppb	2.9	1673.49	0.0663	Pulse	0.1000	3
Co	59	72	He	0.436	ppb	1.7	673.38	0.0267	Pulse	0.1000	3
Ni	60	72	He	0.382	ppb	37.9	293.35	0.0116	Pulse	0.1000	3
Cu	63	72	He	1.325	ppb	7.9	1580.15	0.0626	Pulse	0.1000	3
Zn	66	72	He	20.403	ppb	2.3	2046.89	0.0811	Pulse	0.1000	3
As	75	45	He	1.082	ppb	17.4	70.67	0.0064	Pulse	0.5000	3
Sr	88	159	He	115.856	ppb	2.1	28193.02	0.1602	Pulse	0.1000	3
Mo	98	159	He	1.384	ppb	9.0	1333.45	0.0076	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	228.4	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.076	ppb	19.3	19.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.376	ppb	N/A	1660.16	0.0094	Pulse	0.1000	3
Sb	121	159	He	0.118	ppb	10.2	66.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	9.747	ppb	13.4	2376.98	0.0135	Pulse	0.1000	3
Tl	205	159	He	0.017	ppb	93.1	336.69	0.0019	Pulse	0.1000	3
Pb	208	159	He	0.739	ppb	5.0	3030.49	0.0172	Pulse	0.1000	3
U	238	209	He	0.049	ppb	16.4	616.71	0.0045	Pulse	0.1000	3

ISTD Table:

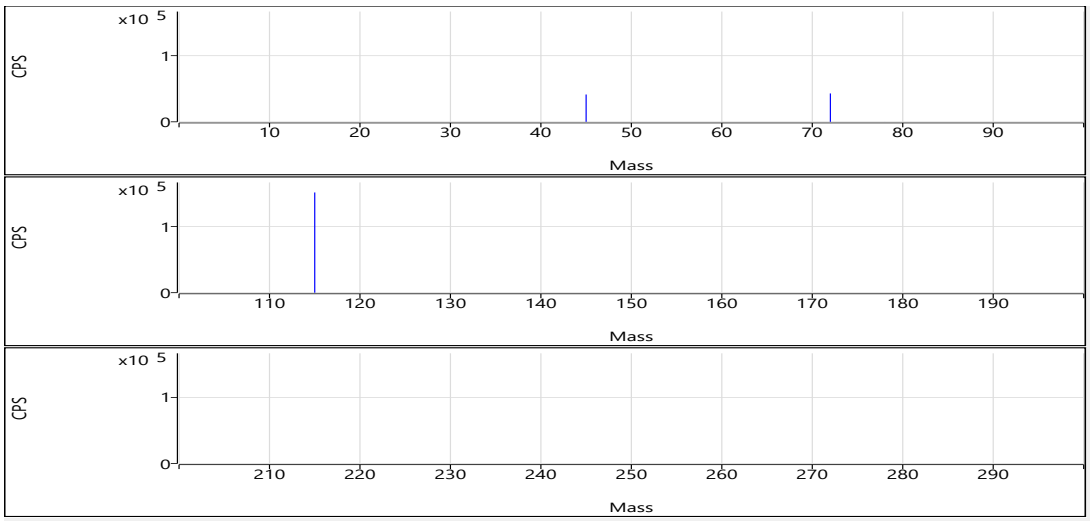
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1046152.54	1.2	100.1	Analog	0.1000	3
No Gas	Ge	72	612004.72	0.5	101.8	Pulse	0.1000	3
H2	Sc	45	41107.44	0.6	97.3	Pulse	0.1000	3
H2	Ge	72	42703.13	0.9	97.3	Pulse	0.1000	3
H2	In	115	150868.64	0.7	100.1	Pulse	0.1000	3
He	Sc	45	11104.76	3.0	97.2	Pulse	0.1000	3
He	Ge	72	25240.46	0.9	99.6	Pulse	0.1000	3
He	In	115	27515.44	3.4	100.8	Pulse	0.1000	3
He	Tb	159	175951.10	0.7	99.8	Pulse	0.1000	3
He	Bi	209	136772.87	1.0	101.4	Pulse	0.1000	3

No Gas

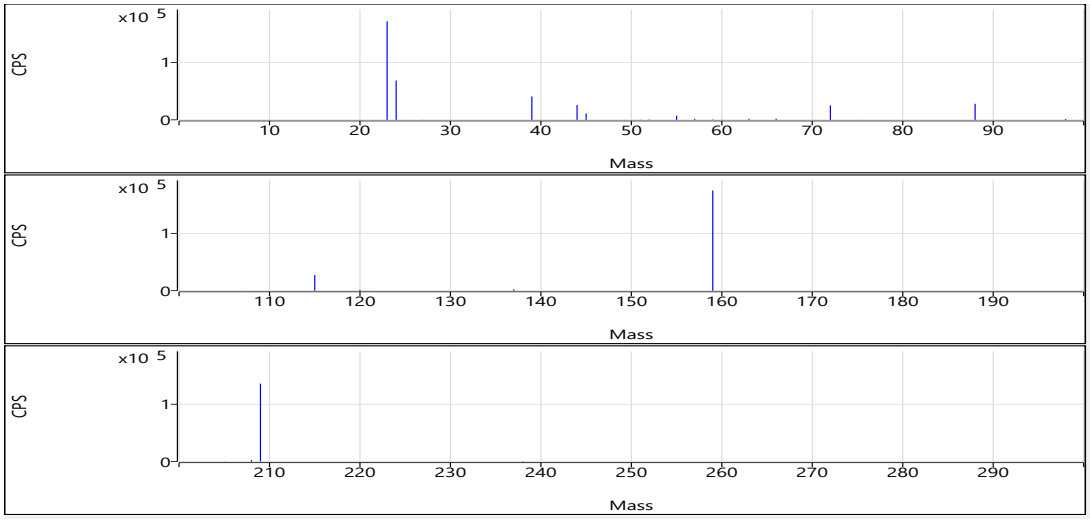


H2



Quantitation Report

He



Quantitation Report

Data File Name	174_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:22:04 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

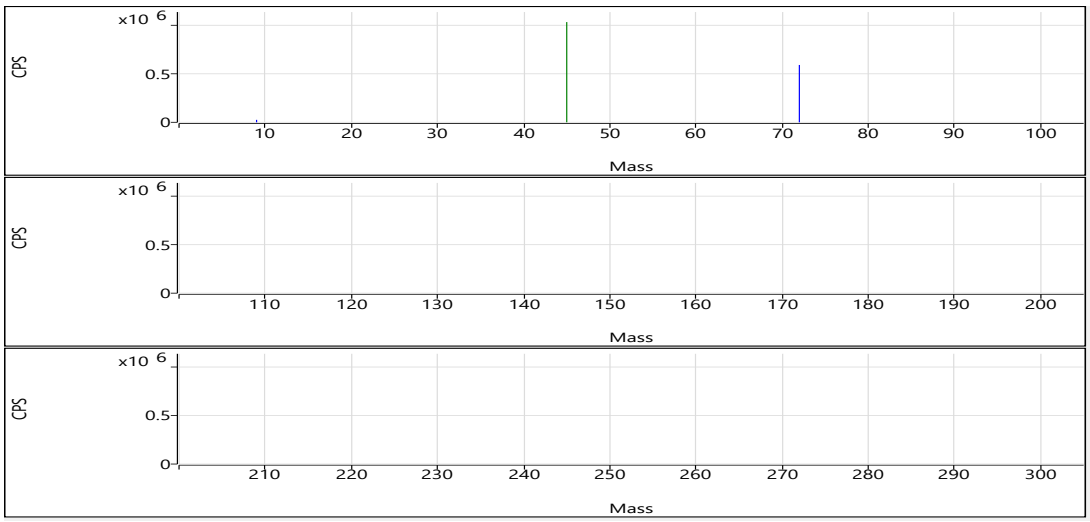
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.361	ug/L	0.2	25137.76	0.0244	Pulse	0.5000	3
Se	78	72	H2	50.123	ppb	6.3	1278.06	0.0303	Pulse	1.5000	3
Na	23	72	He	6283.495	ug/L	34.1	294276.00	11.6268	Mix	0.1000	3
Mg	24	72	He	5246.390	ug/L	5.8	122370.82	4.8907	Pulse	0.1000	3
Al	27	72	He	4891.477	ug/L	6.6	31034.87	1.2465	Pulse	0.1000	3
K	39	72	He	5043.524	ppb	2.6	68481.67	2.7413	Pulse	0.1000	3
Ca	44	72	He	7388.747	ppb	49.9	6583.86	0.2584	Pulse	0.1000	3
Ti	47	159	He	4685.239	ppb	8.9	35512.27	0.1962	Pulse	0.1000	3
V	51	72	He	483.548	ppb	8.4	189055.47	7.6000	Pulse	0.5000	3
Cr	52	45	He	486.694	ppb	4.7	260338.22	22.7359	Pulse	0.1000	3
Mn	55	45	He	500.440	ppb	1.4	100381.27	8.7603	Pulse	0.1000	3
Fe	57	72	He	5086.129	ppb	4.4	56429.34	2.2568	Pulse	0.1000	3
Co	59	72	He	468.103	ppb	8.0	596395.37	23.9708	Pulse	0.1000	3
Ni	60	72	He	489.185	ppb	8.7	177852.95	7.1505	Pulse	0.1000	3
Cu	63	72	He	489.270	ppb	7.8	527186.67	21.1874	Pulse	0.1000	3
Zn	66	72	He	481.164	ppb	9.5	46444.86	1.8680	Pulse	0.1000	3
As	75	45	He	493.907	ppb	5.4	28492.56	2.4886	Pulse	0.5000	3
Sr	88	159	He	97.475	ppb	83.2	25210.74	0.1351	Pulse	0.1000	3
Mo	98	159	He	50.493	ppb	3.3	47982.32	0.2645	Pulse	0.1000	3
Ag	107	159	He	48.642	ppb	6.1	109822.12	0.6060	Pulse	0.1000	3
Cd	111	159	He	48.559	ppb	6.3	10515.44	0.0580	Pulse	0.5000	3
Sn	120	159	He	47.634	ppb	4.9	29600.26	0.1633	Pulse	0.1000	3
Sb	121	159	He	47.969	ppb	5.1	22426.05	0.1237	Pulse	0.1000	3
Ba	137	159	He	654.347	ppb	41.8	108053.49	0.5870	Pulse	0.1000	3
Tl	205	159	He	49.025	ppb	3.9	281649.62	1.5529	Pulse	0.1000	3
Pb	208	159	He	48.723	ppb	4.0	194984.84	1.0752	Pulse	0.1000	3
U	238	209	He	47.333	ppb	7.1	443432.45	3.1459	Pulse	0.1000	3

ISTD Table:

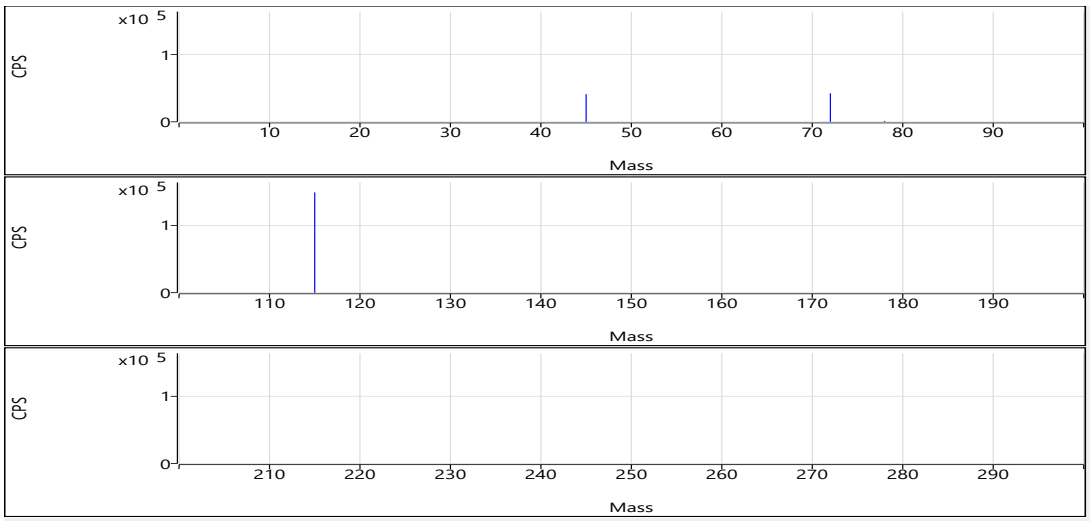
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030850.37	0.9	98.6	Analog	0.1000	3
No Gas	Ge	72	589623.10	0.4	98.1	Pulse	0.1000	3
H2	Sc	45	40873.39	1.9	96.7	Pulse	0.1000	3
H2	Ge	72	42218.19	3.4	96.2	Pulse	0.1000	3
H2	In	115	148222.33	1.2	98.4	Pulse	0.1000	3
He	Sc	45	11458.47	2.4	100.3	Pulse	0.1000	3
He	Ge	72	24963.35	6.3	98.6	Pulse	0.1000	3
He	In	115	28103.50	4.6	103.0	Pulse	0.1000	3
He	Tb	159	181581.67	5.0	102.9	Pulse	0.1000	3
He	Bi	209	141413.13	6.9	104.9	Pulse	0.1000	3

No Gas

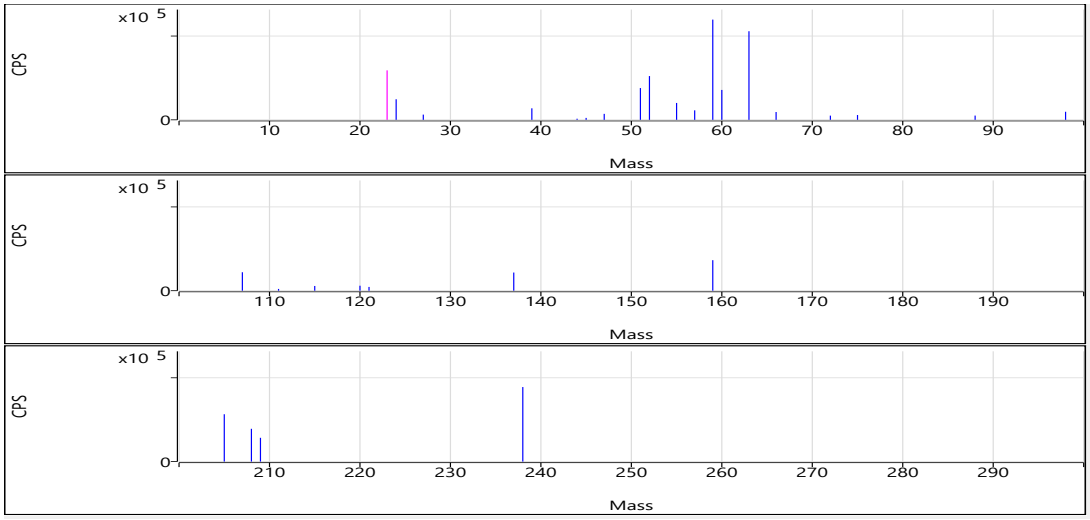


H2



Quantitation Report

He



Quantitation Report

Data File Name	176_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:26:04 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

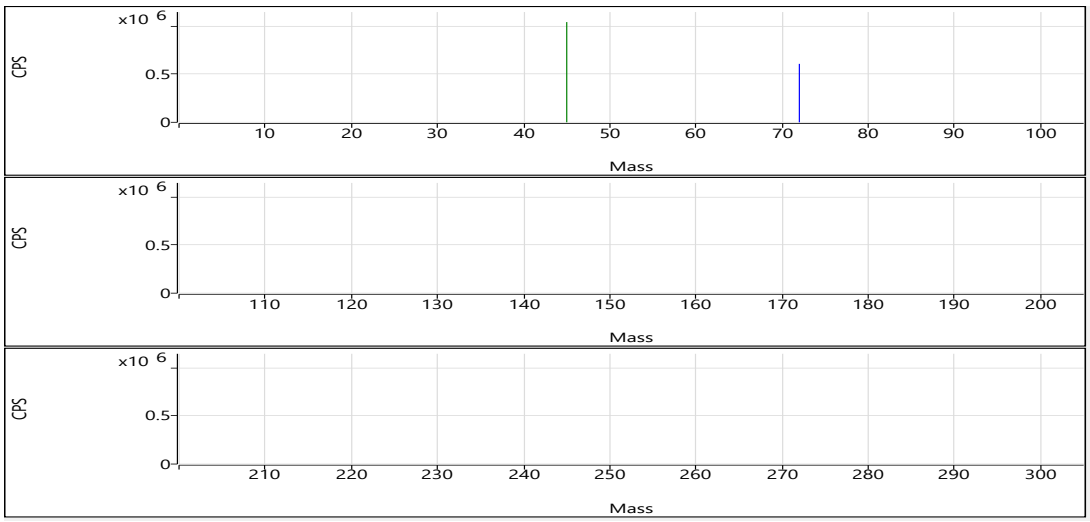
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.060	ug/L	2.9	57.33	0.0001	Pulse	0.5000	3
Se	78	72	H2	0.058	ppb	119.7	3.55	0.0001	Pulse	1.5000	3
Na	23	72	He	90.952	ug/L	35.6	9803.79	0.3884	Pulse	0.1000	3
Mg	24	72	He	40.301	ug/L	46.4	1110.08	0.0438	Pulse	0.1000	3
Al	27	72	He	3.651	ug/L	70.5	70.00	0.0028	Pulse	0.1000	3
K	39	72	He	36.644	ppb	56.8	2503.66	0.0992	Pulse	0.1000	3
Ca	44	72	He	154.399	ppb	67.5	160.01	0.0063	Pulse	0.1000	3
Ti	47	159	He	0.464	ppb	293.2	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.286	ppb	9.9	229.33	0.0091	Pulse	0.5000	3
Cr	52	45	He	0.003	ppb	5362.4	496.69	0.0444	Pulse	0.1000	3
Mn	55	45	He	1.510	ppb	42.2	346.68	0.0310	Pulse	0.1000	3
Fe	57	72	He	22.712	ppb	12.9	343.35	0.0136	Pulse	0.1000	3
Co	59	72	He	0.169	ppb	67.6	330.02	0.0130	Pulse	0.1000	3
Ni	60	72	He	0.263	ppb	58.8	250.01	0.0099	Pulse	0.1000	3
Cu	63	72	He	0.385	ppb	23.4	553.37	0.0219	Pulse	0.1000	3
Zn	66	72	He	0.038	ppb	167.4	53.33	0.0021	Pulse	0.1000	3
As	75	45	He	0.089	ppb	63.1	15.33	0.0014	Pulse	0.5000	3
Sr	88	159	He	2.546	ppb	78.3	960.08	0.0055	Pulse	0.1000	3
Mo	98	159	He	0.128	ppb	53.1	176.68	0.0010	Pulse	0.1000	3
Ag	107	159	He	0.052	ppb	48.5	143.34	0.0008	Pulse	0.1000	3
Cd	111	159	He	0.032	ppb	89.6	10.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.001	ppb	N/A	1863.54	0.0106	Pulse	0.1000	3
Sb	121	159	He	0.082	ppb	82.6	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	7.252	ppb	64.0	1973.56	0.0113	Pulse	0.1000	3
Tl	205	159	He	0.047	ppb	31.7	500.03	0.0029	Pulse	0.1000	3
Pb	208	159	He	0.100	ppb	20.7	546.70	0.0031	Pulse	0.1000	3
U	238	209	He	0.016	ppb	42.9	320.02	0.0023	Pulse	0.1000	3

ISTD Table:

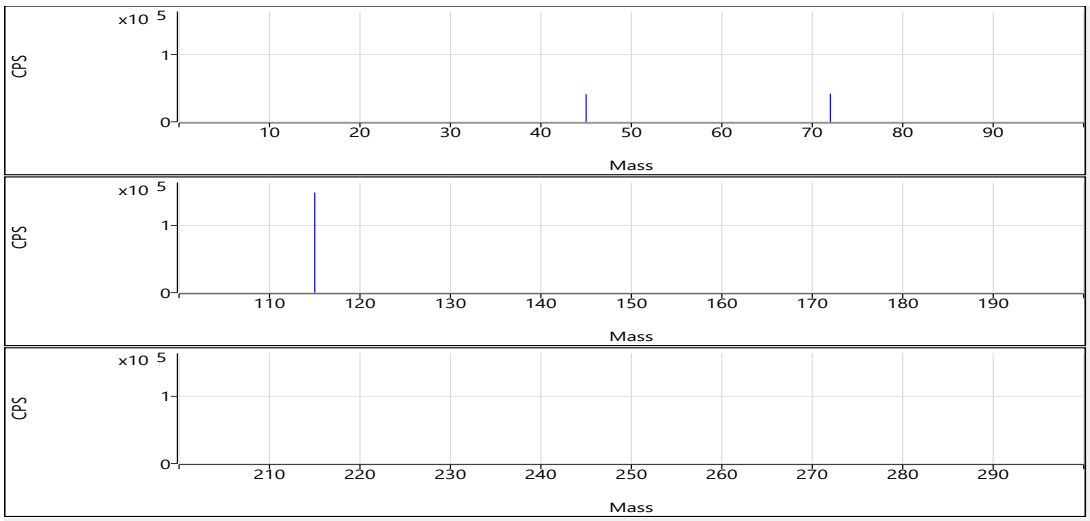
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1040291.86	0.6	99.5	Analog	0.1000	3
No Gas	Ge	72	606588.87	0.3	100.9	Pulse	0.1000	3
H2	Sc	45	40859.81	0.8	96.7	Pulse	0.1000	3
H2	Ge	72	41753.70	1.8	95.2	Pulse	0.1000	3
H2	In	115	148520.61	0.9	98.6	Pulse	0.1000	3
He	Sc	45	11191.54	2.0	98.0	Pulse	0.1000	3
He	Ge	72	25190.20	2.2	99.4	Pulse	0.1000	3
He	In	115	26543.43	3.5	97.2	Pulse	0.1000	3
He	Tb	159	175232.86	1.1	99.3	Pulse	0.1000	3
He	Bi	209	136718.04	1.2	101.4	Pulse	0.1000	3

No Gas

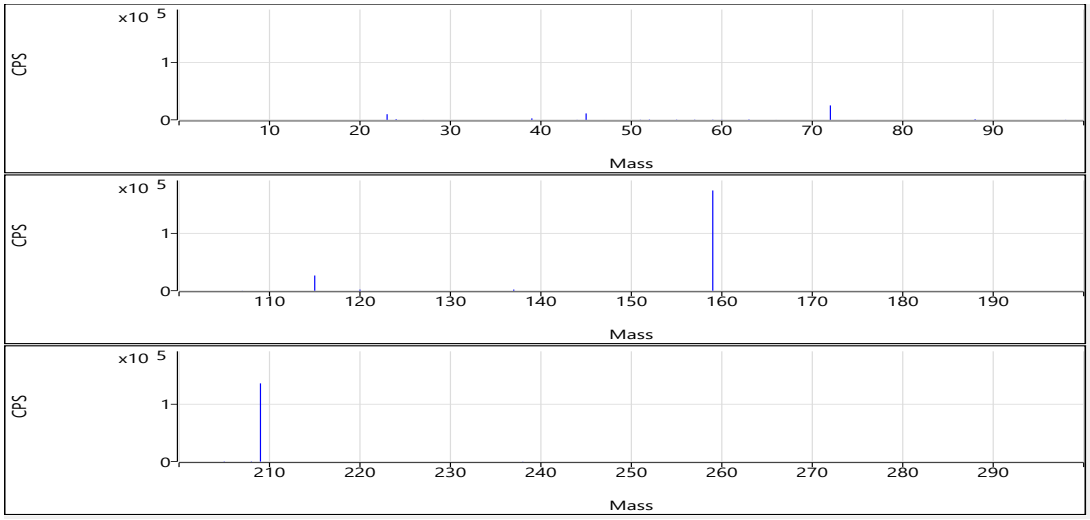


H2



Quantitation Report

He



Quantitation Report

Data File Name	177SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:28:04 PM
Sample Name	410-234682-K-10-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

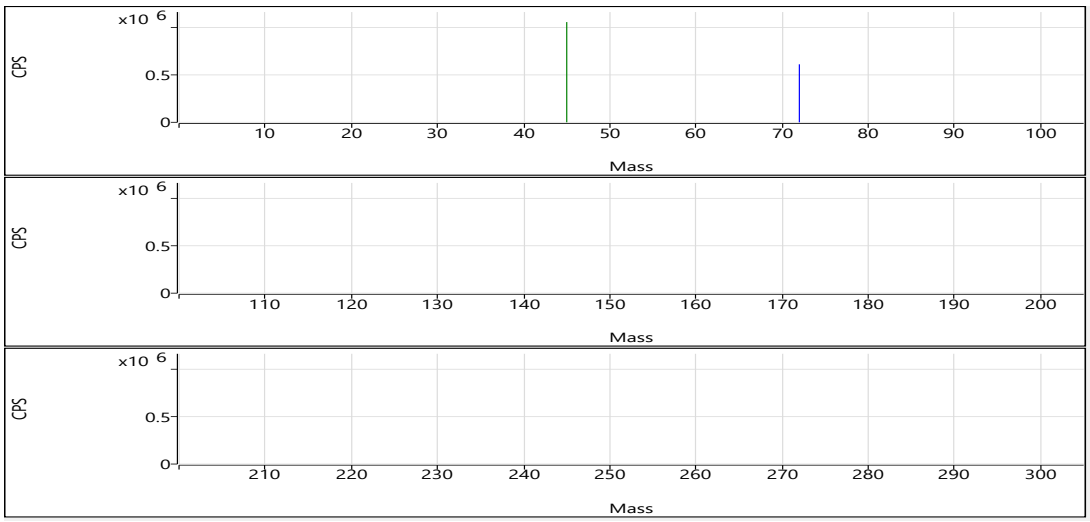
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.007	ug/L	108.3	30.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.011	ppb	352.9	2.44	0.0001	Pulse	1.5000	3
Na	23	72	He	9908.236	ug/L	0.9	474808.22	18.2050	Pulse	0.1000	3
Mg	24	72	He	2610.585	ug/L	0.9	63554.88	2.4368	Pulse	0.1000	3
Al	27	72	He	4.284	ug/L	86.4	76.67	0.0029	Pulse	0.1000	3
K	39	72	He	3186.121	ppb	1.1	45935.14	1.7612	Pulse	0.1000	3
Ca	44	72	He	34960.237	ppb	1.6	31800.16	1.2191	Pulse	0.1000	3
Ti	47	159	He	0.001	ppb	63700.7	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.115	ppb	31.4	167.33	0.0064	Pulse	0.5000	3
Cr	52	45	He	-0.060	ppb	N/A	460.02	0.0415	Pulse	0.1000	3
Mn	55	45	He	970.935	ppb	4.4	188288.92	16.9921	Pulse	0.1000	3
Fe	57	72	He	21939.625	ppb	1.4	253621.33	9.7233	Pulse	0.1000	3
Co	59	72	He	0.140	ppb	42.2	300.01	0.0115	Pulse	0.1000	3
Ni	60	72	He	0.102	ppb	100.4	196.68	0.0075	Pulse	0.1000	3
Cu	63	72	He	0.564	ppb	3.8	773.39	0.0297	Pulse	0.1000	3
Zn	66	72	He	1.138	ppb	26.8	166.68	0.0064	Pulse	0.1000	3
As	75	45	He	26.448	ppb	8.2	1484.76	0.1341	Pulse	0.5000	3
Sr	88	159	He	215.441	ppb	3.3	52016.47	0.2962	Pulse	0.1000	3
Mo	98	159	He	1.617	ppb	12.2	1543.48	0.0088	Pulse	0.1000	3
Ag	107	159	He	0.020	ppb	93.2	73.33	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.003	ppb	289.2	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.551	ppb	N/A	1560.15	0.0089	Pulse	0.1000	3
Sb	121	159	He	0.036	ppb	156.4	30.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	17.381	ppb	5.2	3563.95	0.0203	Pulse	0.1000	3
Tl	205	159	He	-0.006	ppb	N/A	206.68	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.359	ppb	6.4	1550.16	0.0088	Pulse	0.1000	3
U	238	209	He	0.010	ppb	27.3	260.01	0.0019	Pulse	0.1000	3

ISTD Table:

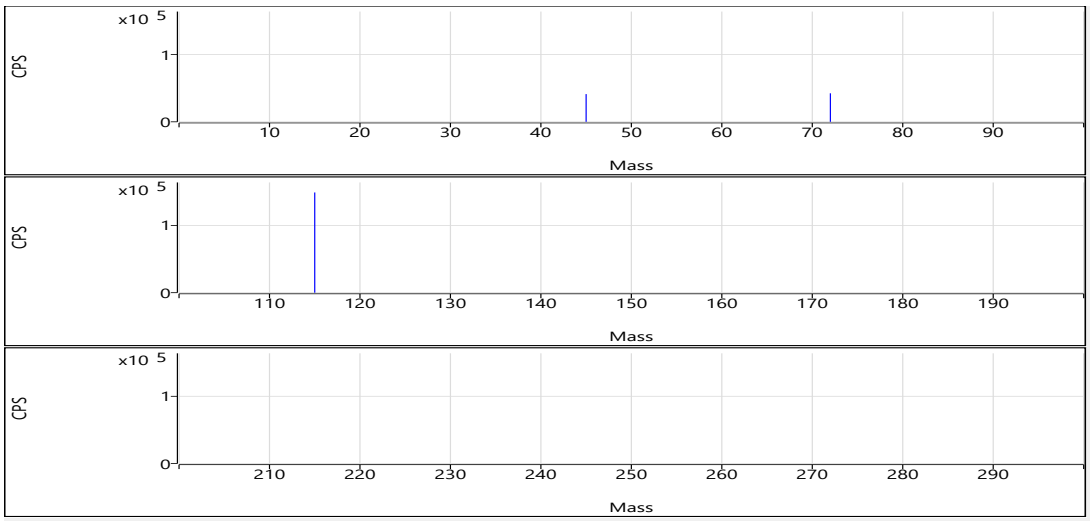
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1060733.32	0.4	101.5	Analog	0.1000	3
No Gas	Ge	72	613729.71	0.9	102.1	Pulse	0.1000	3
H2	Sc	45	41378.30	1.0	97.9	Pulse	0.1000	3
H2	Ge	72	42569.48	0.8	97.0	Pulse	0.1000	3
H2	In	115	149648.48	1.2	99.3	Pulse	0.1000	3
He	Sc	45	11094.72	4.4	97.1	Pulse	0.1000	3
He	Ge	72	26081.86	0.8	103.0	Pulse	0.1000	3
He	In	115	27194.75	3.9	99.6	Pulse	0.1000	3
He	Tb	159	175611.08	1.8	99.6	Pulse	0.1000	3
He	Bi	209	136125.17	1.3	100.9	Pulse	0.1000	3

No Gas

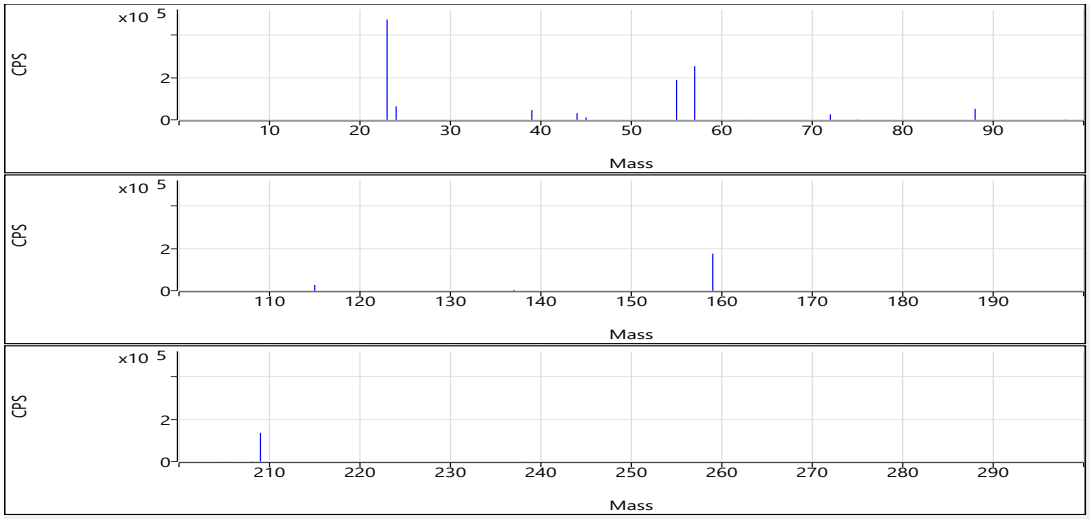


H2



Quantitation Report

He



Quantitation Report

Data File Name	178SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:30:05 PM
Sample Name	410-234682-K-11-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

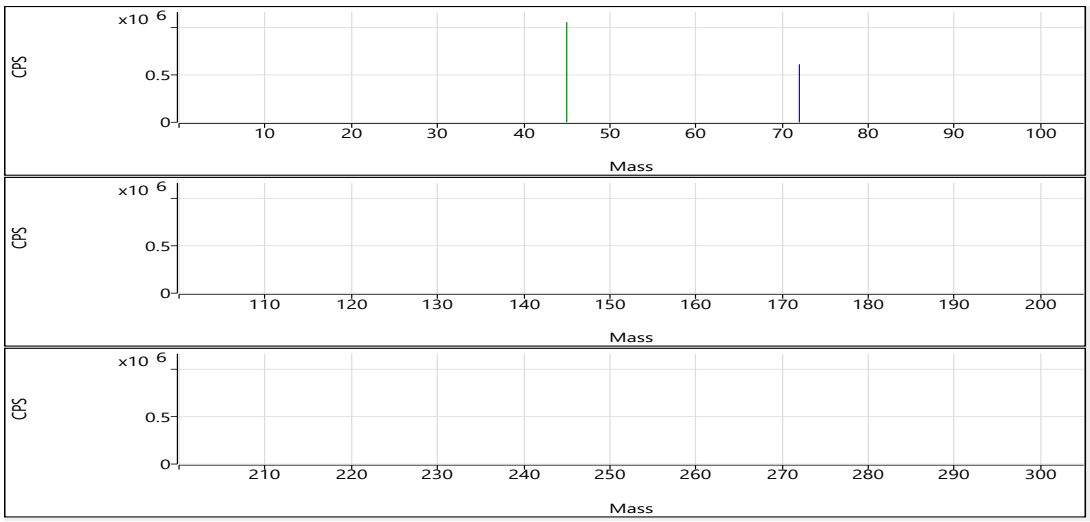
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ug/L	367.9	29.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.147	ppb	18.1	6.00	0.0001	Pulse	1.5000	3
Na	23	72	He	14571.319	ug/L	2.6	687282.96	26.6677	Pulse	0.1000	3
Mg	24	72	He	3600.955	ug/L	2.9	86557.99	3.3588	Pulse	0.1000	3
Al	27	72	He	7.978	ug/L	14.8	100.00	0.0039	Pulse	0.1000	3
K	39	72	He	3715.666	ppb	3.3	52584.77	2.0406	Pulse	0.1000	3
Ca	44	72	He	45535.007	ppb	1.4	40926.52	1.5876	Pulse	0.1000	3
Ti	47	159	He	0.444	ppb	300.4	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.145	ppb	36.8	177.33	0.0069	Pulse	0.5000	3
Cr	52	45	He	-0.162	ppb	N/A	416.69	0.0367	Pulse	0.1000	3
Mn	55	45	He	949.799	ppb	3.5	188525.15	16.6223	Pulse	0.1000	3
Fe	57	72	He	6901.078	ppb	2.6	78885.25	3.0609	Pulse	0.1000	3
Co	59	72	He	0.236	ppb	17.6	423.36	0.0164	Pulse	0.1000	3
Ni	60	72	He	0.288	ppb	86.4	263.35	0.0103	Pulse	0.1000	3
Cu	63	72	He	0.340	ppb	29.2	516.70	0.0200	Pulse	0.1000	3
Zn	66	72	He	0.225	ppb	65.9	73.33	0.0028	Pulse	0.1000	3
As	75	45	He	5.644	ppb	6.2	333.34	0.0293	Pulse	0.5000	3
Sr	88	159	He	284.717	ppb	4.9	68853.49	0.3908	Pulse	0.1000	3
Mo	98	159	He	0.799	ppb	10.3	796.72	0.0045	Pulse	0.1000	3
Ag	107	159	He	0.011	ppb	62.7	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.013	ppb	76.1	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.726	ppb	N/A	1463.47	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.118	ppb	29.2	66.67	0.0004	Pulse	0.1000	3
Ba	137	159	He	18.985	ppb	5.0	3830.70	0.0217	Pulse	0.1000	3
Tl	205	159	He	-0.005	ppb	N/A	216.68	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.354	ppb	10.9	1540.14	0.0087	Pulse	0.1000	3
U	238	209	He	0.072	ppb	17.1	823.39	0.0060	Pulse	0.1000	3

ISTD Table:

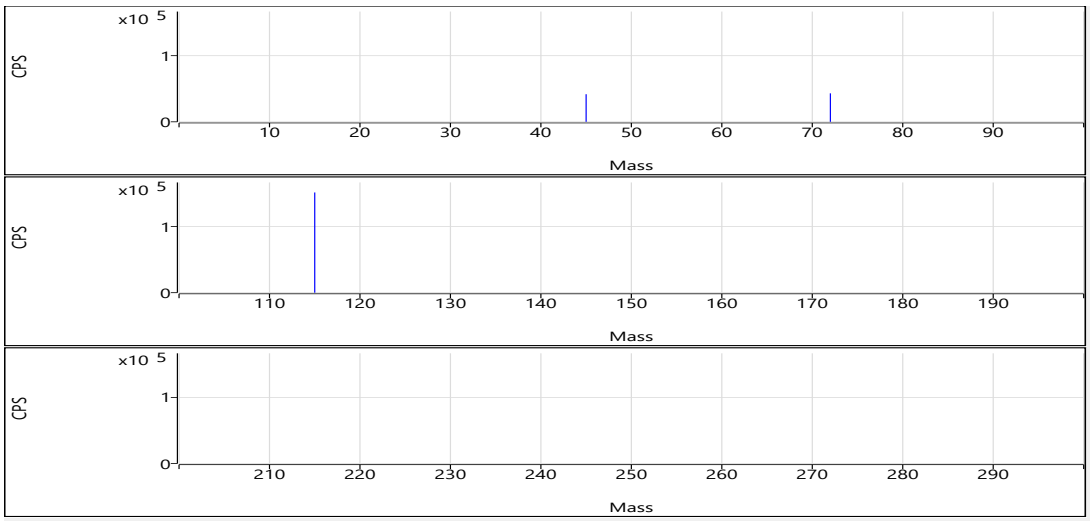
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1058877.88	0.8	101.3	Analog	0.1000	3
No Gas	Ge	72	613183.16	1.3	102.0	Pulse	0.1000	3
H2	Sc	45	41659.04	1.9	98.6	Pulse	0.1000	3
H2	Ge	72	42980.49	1.8	98.0	Pulse	0.1000	3
H2	In	115	151327.81	0.6	100.4	Pulse	0.1000	3
He	Sc	45	11351.67	3.8	99.4	Pulse	0.1000	3
He	Ge	72	25784.72	2.9	101.8	Pulse	0.1000	3
He	In	115	27585.36	2.7	101.1	Pulse	0.1000	3
He	Tb	159	176242.54	1.5	99.9	Pulse	0.1000	3
He	Bi	209	136614.12	2.3	101.3	Pulse	0.1000	3

No Gas

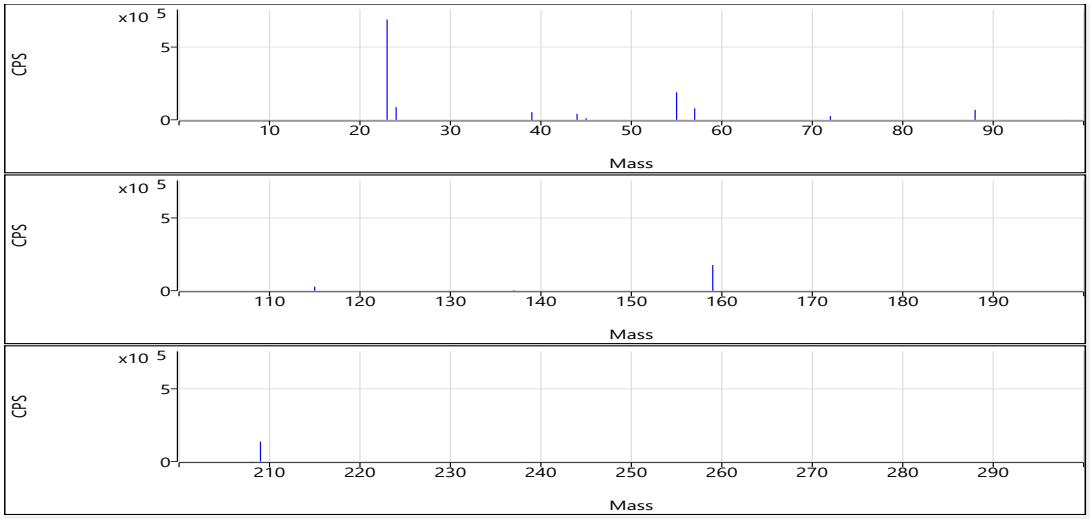


H2



Quantitation Report

He



Quantitation Report

Data File Name	179SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:32:05 PM
Sample Name	410-234682-K-8-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

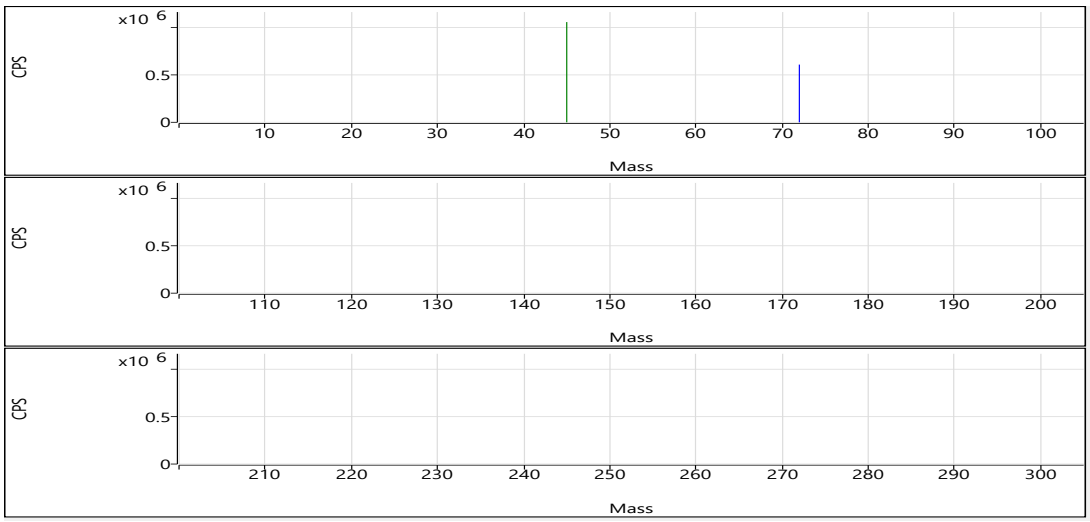
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.002	ug/L	N/A	25.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.015	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	68552.924	ug/L	2.8	3093500.58	124.6347	Analog	0.1000	3
Mg	24	72	He	12539.146	ug/L	2.8	289916.40	11.6803	Pulse	0.1000	3
Al	27	72	He	13.460	ug/L	56.2	130.00	0.0053	Pulse	0.1000	3
K	39	72	He	6286.913	ppb	4.6	84300.83	3.3974	Pulse	0.1000	3
Ca	44	72	He	46361.074	ppb	3.1	40117.72	1.6164	Pulse	0.1000	3
Ti	47	159	He	0.450	ppb	300.4	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.145	ppb	51.5	170.67	0.0069	Pulse	0.5000	3
Cr	52	45	He	-0.140	ppb	N/A	426.69	0.0378	Pulse	0.1000	3
Mn	55	45	He	10309.185	ppb	0.3	2037341.37	180.3747	Analog	0.1000	3
Fe	57	72	He	8008.745	ppb	3.2	88146.31	3.5516	Pulse	0.1000	3
Co	59	72	He	26.714	ppb	2.9	34055.71	1.3721	Pulse	0.1000	3
Ni	60	72	He	3.103	ppb	10.6	1273.45	0.0514	Pulse	0.1000	3
Cu	63	72	He	0.361	ppb	31.3	516.70	0.0209	Pulse	0.1000	3
Zn	66	72	He	3.691	ppb	17.6	403.35	0.0163	Pulse	0.1000	3
As	75	45	He	11.022	ppb	4.5	637.35	0.0564	Pulse	0.5000	3
Sr	88	159	He	458.218	ppb	2.0	110156.95	0.6278	Pulse	0.1000	3
Mo	98	159	He	1.166	ppb	5.9	1130.09	0.0064	Pulse	0.1000	3
Ag	107	159	He	0.017	ppb	109.4	66.67	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.013	ppb	73.3	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.303	ppb	N/A	1696.85	0.0097	Pulse	0.1000	3
Sb	121	159	He	0.067	ppb	38.8	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	102.298	ppb	3.0	16821.14	0.0958	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.139	ppb	2.6	700.05	0.0040	Pulse	0.1000	3
U	238	209	He	0.308	ppb	3.2	2917.11	0.0217	Pulse	0.1000	3

ISTD Table:

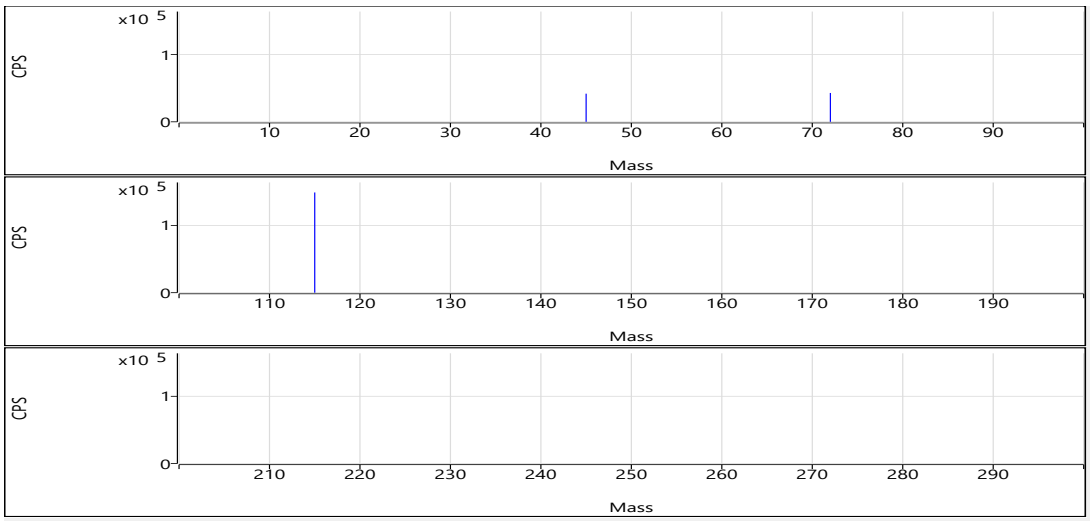
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1055072.64	0.2	100.9	Analog	0.1000	3
No Gas	Ge	72	607354.70	0.3	101.0	Pulse	0.1000	3
H2	Sc	45	41789.25	1.2	98.9	Pulse	0.1000	3
H2	Ge	72	42847.01	2.1	97.7	Pulse	0.1000	3
H2	In	115	148887.65	0.8	98.8	Pulse	0.1000	3
He	Sc	45	11294.92	0.7	98.9	Pulse	0.1000	3
He	Ge	72	24832.79	2.7	98.0	Pulse	0.1000	3
He	In	115	27121.37	0.5	99.4	Pulse	0.1000	3
He	Tb	159	175495.73	1.0	99.5	Pulse	0.1000	3
He	Bi	209	134308.69	0.7	99.6	Pulse	0.1000	3

No Gas

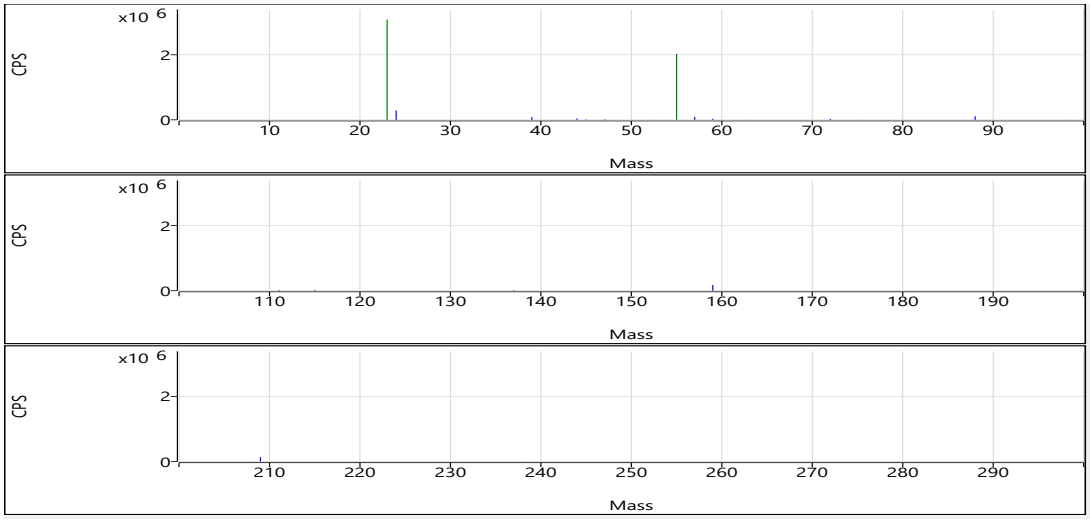


H2



Quantitation Report

He



Quantitation Report

Data File Name	179SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:34:29 PM
Sample Name	410-234682-K-8-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

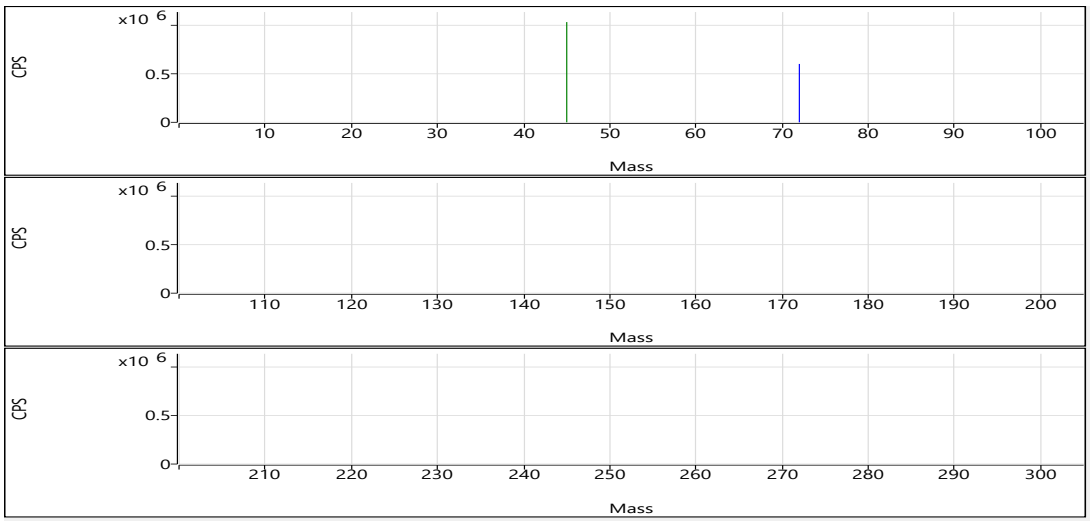
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.060	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.160	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	68302.862	ug/L	4.0	625869.63	25.0148	Pulse	0.1000	3
Mg	24	72	He	12707.533	ug/L	4.0	59356.90	2.3725	Pulse	0.1000	3
Al	27	72	He	31.952	ug/L	22.4	86.67	0.0035	Pulse	0.1000	3
K	39	72	He	6123.379	ppb	3.5	18182.14	0.7261	Pulse	0.1000	3
Ca	44	72	He	47753.143	ppb	4.0	8349.40	0.3337	Pulse	0.1000	3
Ti	47	159	He	-4.516	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.393	ppb	95.2	146.00	0.0058	Pulse	0.5000	3
Cr	52	45	He	-0.172	ppb	N/A	473.36	0.0427	Pulse	0.1000	3
Mn	55	45	He	10468.543	ppb	1.2	406328.13	36.6362	Pulse	0.1000	3
Fe	57	72	He	8251.969	ppb	3.2	18385.99	0.7347	Pulse	0.1000	3
Co	59	72	He	27.892	ppb	3.4	7258.84	0.2900	Pulse	0.1000	3
Ni	60	72	He	2.937	ppb	10.0	366.69	0.0146	Pulse	0.1000	3
Cu	63	72	He	0.710	ppb	28.7	286.68	0.0114	Pulse	0.1000	3
Zn	66	72	He	4.724	ppb	45.1	140.01	0.0056	Pulse	0.1000	3
As	75	45	He	12.103	ppb	13.2	145.33	0.0131	Pulse	0.5000	3
Sr	88	159	He	454.201	ppb	2.8	22168.39	0.1261	Pulse	0.1000	3
Mo	98	159	He	1.629	ppb	10.1	360.02	0.0020	Pulse	0.1000	3
Ag	107	159	He	0.046	ppb	134.7	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	-0.015	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-3.771	ppb	N/A	1446.80	0.0082	Pulse	0.1000	3
Sb	121	159	He	0.663	ppb	53.6	73.33	0.0004	Pulse	0.1000	3
Ba	137	159	He	105.073	ppb	7.4	4137.47	0.0235	Pulse	0.1000	3
Tl	205	159	He	-0.044	ppb	N/A	193.34	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.383	ppb	21.6	460.03	0.0026	Pulse	0.1000	3
U	238	209	He	0.324	ppb	7.4	746.72	0.0056	Pulse	0.1000	3

ISTD Table:

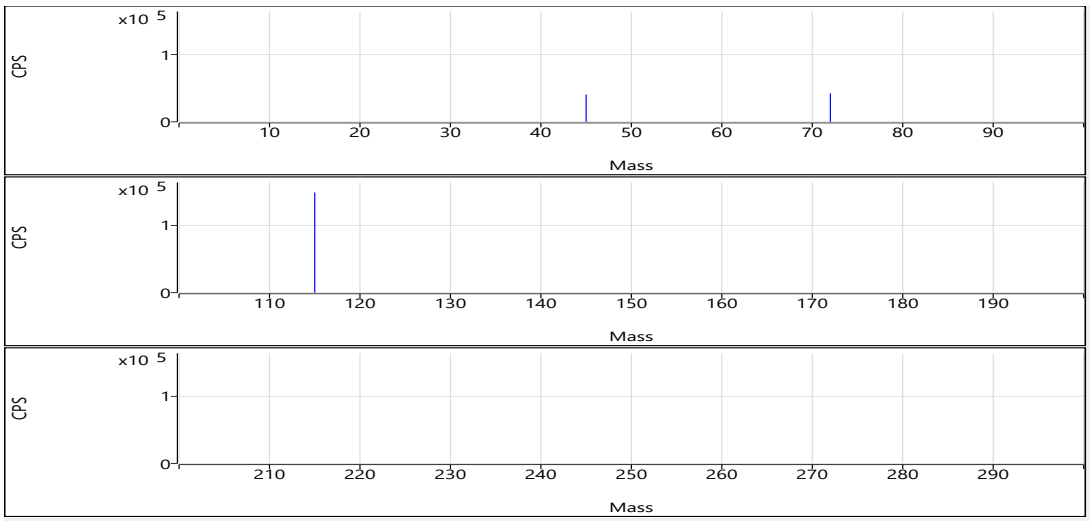
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1029370.92	0.9	98.5	Analog	0.1000	3
No Gas	Ge	72	599301.50	1.2	99.7	Pulse	0.1000	3
H2	Sc	45	40883.47	1.2	96.7	Pulse	0.1000	3
H2	Ge	72	42723.30	1.3	97.4	Pulse	0.1000	3
H2	In	115	150130.37	0.3	99.6	Pulse	0.1000	3
He	Sc	45	11091.43	1.2	97.1	Pulse	0.1000	3
He	Ge	72	25046.79	4.2	98.9	Pulse	0.1000	3
He	In	115	27064.58	2.1	99.2	Pulse	0.1000	3
He	Tb	159	175885.31	1.5	99.7	Pulse	0.1000	3
He	Bi	209	134207.99	1.3	99.5	Pulse	0.1000	3

No Gas

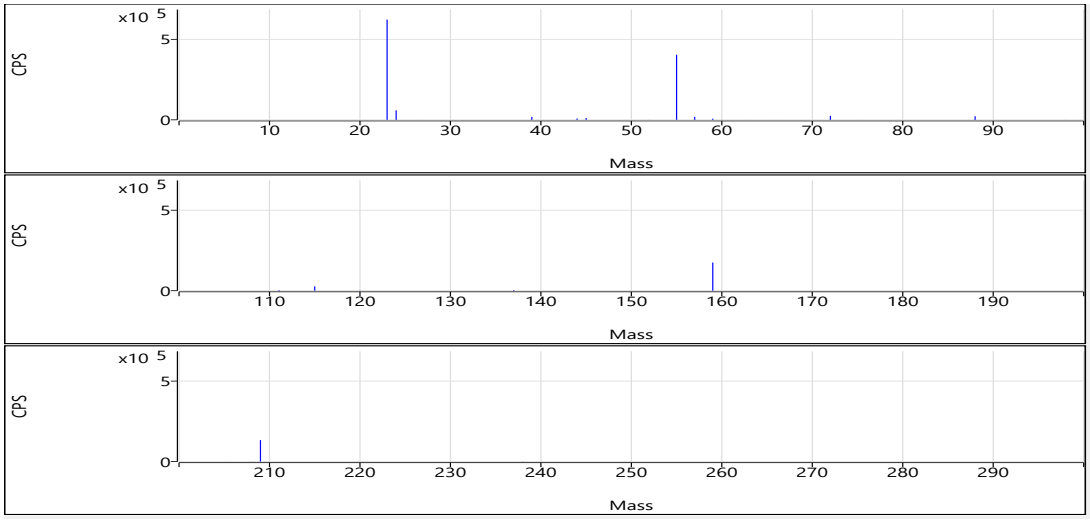


H2



Quantitation Report

He



Quantitation Report

Data File Name	180SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:36:23 PM
Sample Name	410-234682-K-12-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

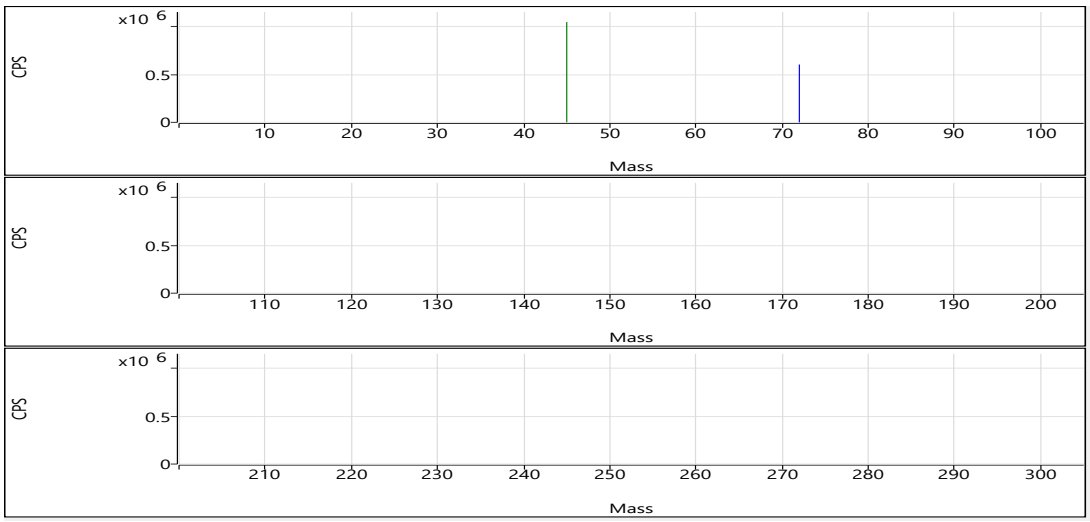
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.003	ppb	887.7	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	12600.594	ug/L	1.6	580326.01	23.0912	Pulse	0.1000	3
Mg	24	72	He	3011.176	ug/L	1.7	70614.54	2.8097	Pulse	0.1000	3
Al	27	72	He	5.804	ug/L	43.9	83.33	0.0033	Pulse	0.1000	3
K	39	72	He	3686.317	ppb	3.3	50885.32	2.0251	Pulse	0.1000	3
Ca	44	72	He	41240.462	ppb	3.1	36136.96	1.4380	Pulse	0.1000	3
Ti	47	159	He	0.902	ppb	88.5	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.145	ppb	32.9	173.33	0.0069	Pulse	0.5000	3
Cr	52	45	He	-0.095	ppb	N/A	450.02	0.0398	Pulse	0.1000	3
Mn	55	45	He	1130.128	ppb	2.2	224409.98	19.7774	Pulse	0.1000	3
Fe	57	72	He	12149.146	ppb	2.2	135348.56	5.3859	Pulse	0.1000	3
Co	59	72	He	0.231	ppb	13.9	406.69	0.0162	Pulse	0.1000	3
Ni	60	72	He	0.122	ppb	20.6	196.68	0.0078	Pulse	0.1000	3
Cu	63	72	He	0.425	ppb	12.3	593.36	0.0236	Pulse	0.1000	3
Zn	66	72	He	6.329	ppb	4.4	666.71	0.0265	Pulse	0.1000	3
As	75	45	He	8.505	ppb	8.3	497.34	0.0438	Pulse	0.5000	3
Sr	88	159	He	245.510	ppb	1.3	59659.94	0.3373	Pulse	0.1000	3
Mo	98	159	He	1.131	ppb	6.6	1106.76	0.0063	Pulse	0.1000	3
Ag	107	159	He	0.009	ppb	89.0	50.00	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	28081.7	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.513	ppb	N/A	1590.16	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.029	ppb	173.8	26.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	19.586	ppb	5.4	3937.40	0.0223	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.474	ppb	18.0	2010.24	0.0114	Pulse	0.1000	3
U	238	209	He	0.028	ppb	36.4	423.36	0.0031	Pulse	0.1000	3

ISTD Table:

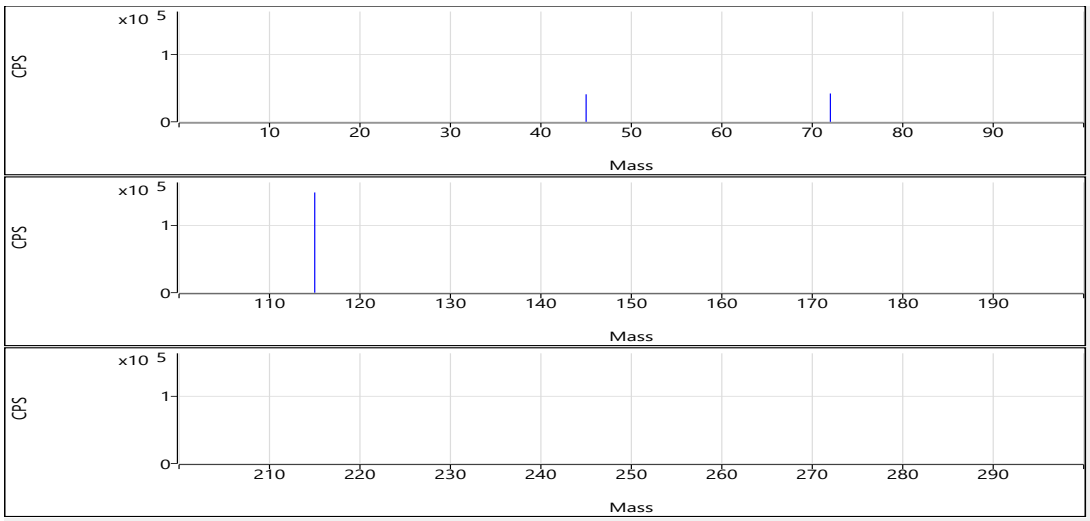
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1049110.63	0.6	100.4	Analog	0.1000	3
No Gas	Ge	72	604690.84	1.1	100.6	Pulse	0.1000	3
H2	Sc	45	41033.70	1.3	97.1	Pulse	0.1000	3
H2	Ge	72	42248.35	1.0	96.3	Pulse	0.1000	3
H2	In	115	149510.36	0.3	99.2	Pulse	0.1000	3
He	Sc	45	11351.60	2.9	99.4	Pulse	0.1000	3
He	Ge	72	25136.76	1.8	99.2	Pulse	0.1000	3
He	In	115	26944.32	1.6	98.7	Pulse	0.1000	3
He	Tb	159	176895.67	1.2	100.3	Pulse	0.1000	3
He	Bi	209	136550.53	2.5	101.2	Pulse	0.1000	3

No Gas

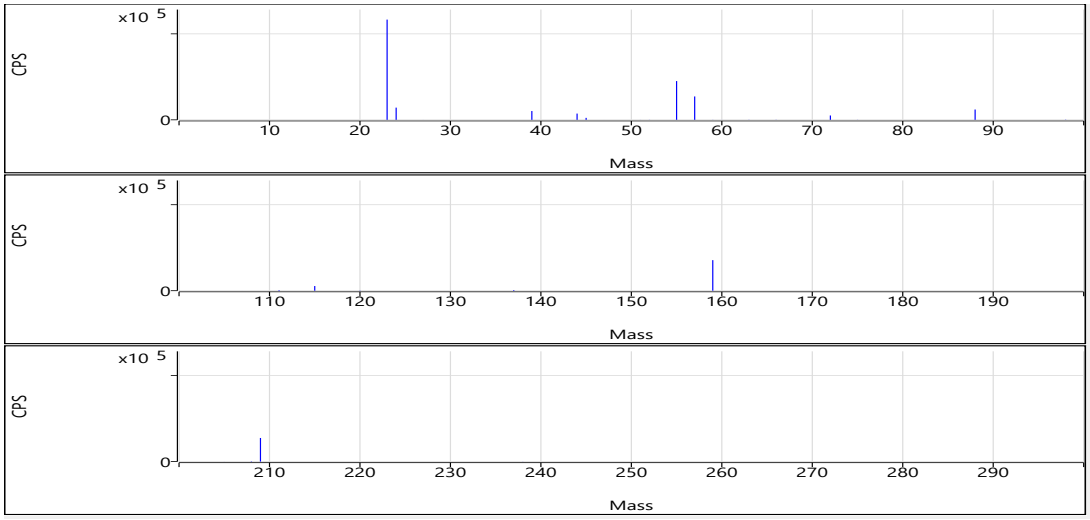


H2



Quantitation Report

He



Quantitation Report

Data File Name	181SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:38:23 PM
Sample Name	410-234682-K-7-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

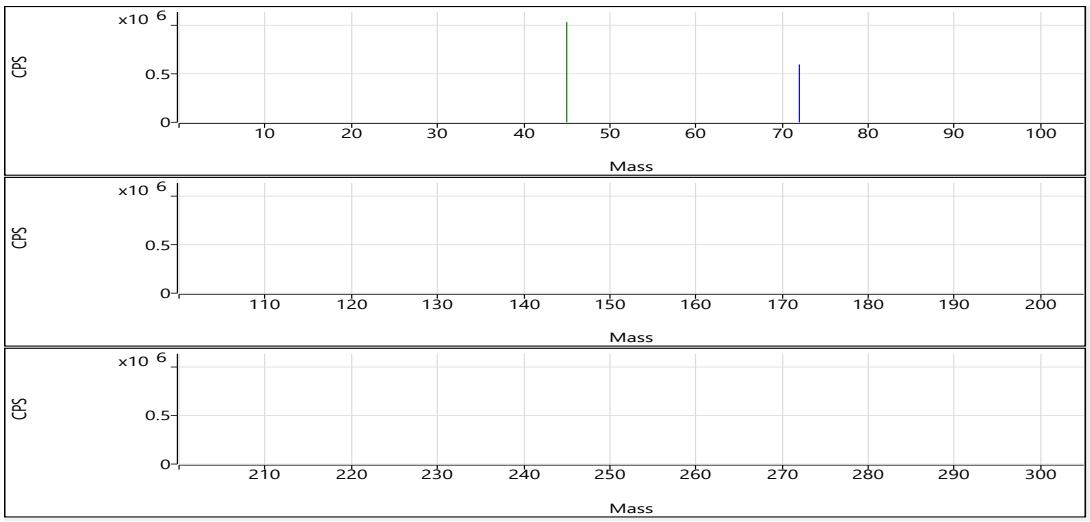
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.005	ppb	N/A	2.00	0.0000	Pulse	1.5000	3
Na	23	72	He	69092.375	ug/L	2.3	3093709.23	125.6137	Analog	0.1000	3
Mg	24	72	He	12684.287	ug/L	2.6	290984.52	11.8154	Pulse	0.1000	3
Al	27	72	He	17.631	ug/L	37.1	156.67	0.0063	Pulse	0.1000	3
K	39	72	He	6293.768	ppb	1.6	83787.50	3.4010	Pulse	0.1000	3
Ca	44	72	He	46608.326	ppb	3.1	40017.47	1.6250	Pulse	0.1000	3
Ti	47	159	He	0.016	ppb	9914.5	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.162	ppb	14.0	176.00	0.0071	Pulse	0.5000	3
Cr	52	45	He	-0.163	ppb	N/A	406.69	0.0367	Pulse	0.1000	3
Mn	55	45	He	10628.174	ppb	1.3	2059973.98	185.9558	Analog	0.1000	3
Fe	57	72	He	7765.539	ppb	3.2	84809.98	3.4439	Pulse	0.1000	3
Co	59	72	He	27.527	ppb	1.9	34820.65	1.4137	Pulse	0.1000	3
Ni	60	72	He	3.227	ppb	0.9	1310.11	0.0532	Pulse	0.1000	3
Cu	63	72	He	0.364	ppb	9.6	516.70	0.0210	Pulse	0.1000	3
Zn	66	72	He	3.048	ppb	3.9	340.02	0.0138	Pulse	0.1000	3
As	75	45	He	10.666	ppb	4.8	605.35	0.0546	Pulse	0.5000	3
Sr	88	159	He	457.473	ppb	3.1	109174.88	0.6268	Pulse	0.1000	3
Mo	98	159	He	1.215	ppb	4.8	1166.77	0.0067	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	195.3	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.003	ppb	284.3	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.870	ppb	N/A	1366.79	0.0079	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	161.4	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	105.513	ppb	2.0	17204.93	0.0987	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.179	ppb	14.7	846.73	0.0049	Pulse	0.1000	3
U	238	209	He	0.296	ppb	9.3	2777.10	0.0209	Pulse	0.1000	3

ISTD Table:

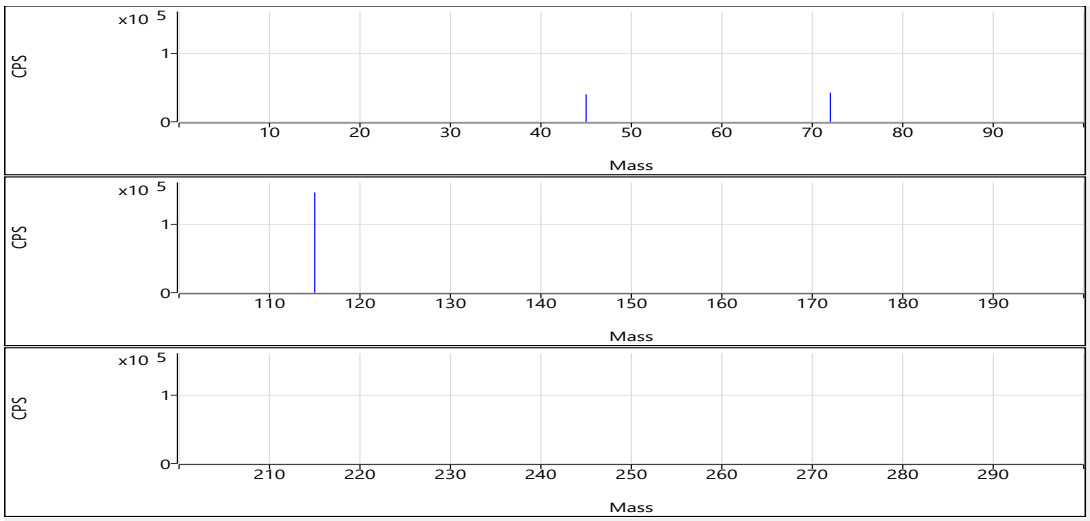
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036036.42	0.5	99.1	Analog	0.1000	3
No Gas	Ge	72	597570.71	0.1	99.4	Pulse	0.1000	3
H2	Sc	45	40040.69	1.4	94.7	Pulse	0.1000	3
H2	Ge	72	42395.60	0.7	96.6	Pulse	0.1000	3
H2	In	115	146073.28	0.7	96.9	Pulse	0.1000	3
He	Sc	45	11078.03	0.5	97.0	Pulse	0.1000	3
He	Ge	72	24639.23	2.8	97.3	Pulse	0.1000	3
He	In	115	26119.35	2.0	95.7	Pulse	0.1000	3
He	Tb	159	174257.66	1.9	98.8	Pulse	0.1000	3
He	Bi	209	132595.09	1.0	98.3	Pulse	0.1000	3

No Gas

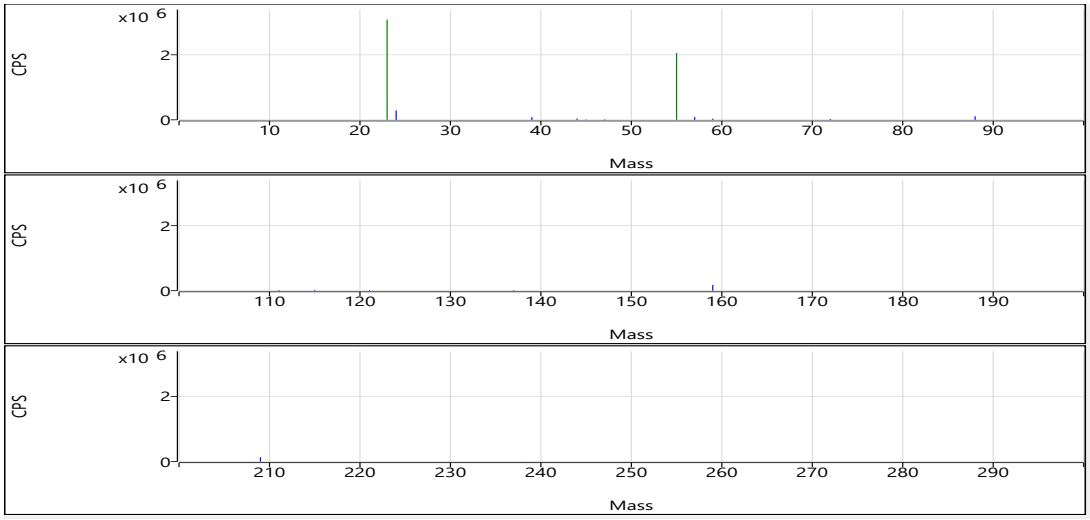


H2



Quantitation Report

He



Quantitation Report

Data File Name	181SMPL_dilute1.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:40:49 PM
Sample Name	410-234682-K-7-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	5.0000
Total Dilution	5.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

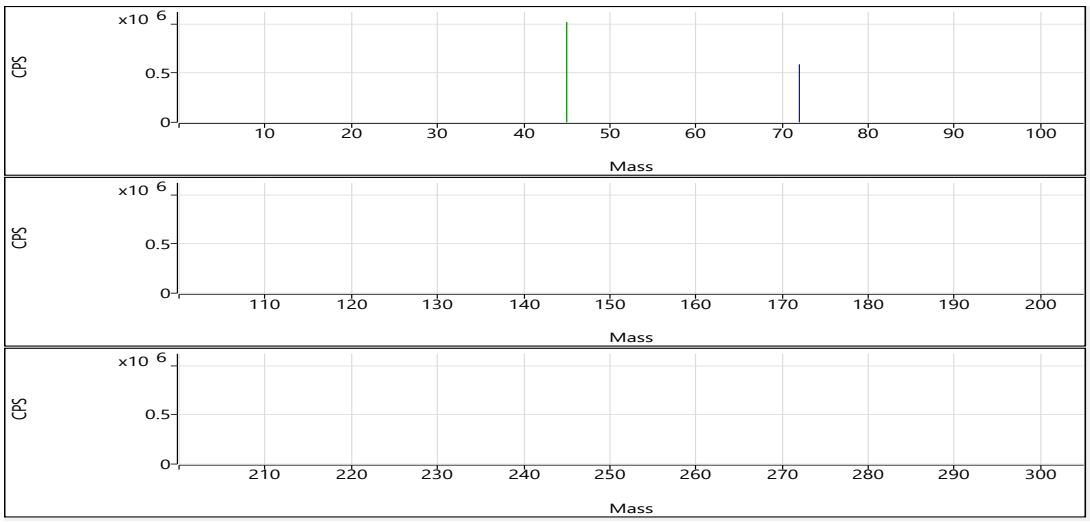
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.123	ug/L	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.330	ppb	N/A	0.45	0.0000	Pulse	1.5000	3
Na	23	72	He	69878.847	ug/L	3.0	627296.66	25.5869	Pulse	0.1000	3
Mg	24	72	He	13185.043	ug/L	2.0	60350.95	2.4614	Pulse	0.1000	3
Al	27	72	He	14.292	ug/L	133.9	63.33	0.0026	Pulse	0.1000	3
K	39	72	He	6301.820	ppb	7.0	18258.96	0.7450	Pulse	0.1000	3
Ca	44	72	He	47955.230	ppb	2.7	8219.36	0.3351	Pulse	0.1000	3
Ti	47	159	He	0.004	ppb	213948.0	6.67	0.0000	Pulse	0.1000	3
V	51	72	He	0.743	ppb	43.8	170.00	0.0069	Pulse	0.5000	3
Cr	52	45	He	-1.114	ppb	N/A	386.69	0.0339	Pulse	0.1000	3
Mn	55	45	He	10194.856	ppb	0.4	407161.63	35.6785	Pulse	0.1000	3
Fe	57	72	He	7937.649	ppb	4.3	17328.05	0.7069	Pulse	0.1000	3
Co	59	72	He	27.054	ppb	2.6	6898.60	0.2814	Pulse	0.1000	3
Ni	60	72	He	2.626	ppb	24.9	336.68	0.0137	Pulse	0.1000	3
Cu	63	72	He	0.730	ppb	28.7	283.35	0.0116	Pulse	0.1000	3
Zn	66	72	He	2.719	ppb	70.8	100.00	0.0041	Pulse	0.1000	3
As	75	45	He	10.214	ppb	12.0	128.00	0.0112	Pulse	0.5000	3
Sr	88	159	He	465.746	ppb	0.9	22579.21	0.1292	Pulse	0.1000	3
Mo	98	159	He	1.243	ppb	7.9	286.68	0.0016	Pulse	0.1000	3
Ag	107	159	He	0.039	ppb	137.2	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.017	ppb	285.7	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-2.515	ppb	N/A	1576.82	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.334	ppb	49.4	43.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	96.025	ppb	5.7	3830.72	0.0219	Pulse	0.1000	3
Tl	205	159	He	-0.079	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.435	ppb	8.1	496.70	0.0028	Pulse	0.1000	3
U	238	209	He	0.289	ppb	12.3	686.71	0.0051	Pulse	0.1000	3

ISTD Table:

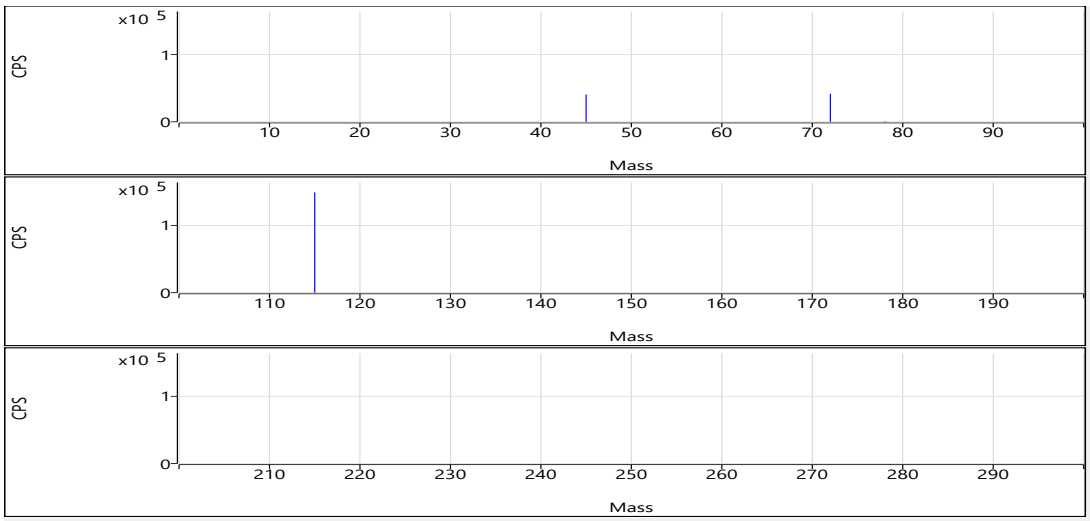
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1020320.71	0.4	97.6	Analog	0.1000	3
No Gas	Ge	72	590525.63	0.6	98.2	Pulse	0.1000	3
H2	Sc	45	40465.37	1.4	95.7	Pulse	0.1000	3
H2	Ge	72	41482.82	1.1	94.6	Pulse	0.1000	3
H2	In	115	148428.94	0.7	98.5	Pulse	0.1000	3
He	Sc	45	11411.65	1.0	99.9	Pulse	0.1000	3
He	Ge	72	24525.71	2.0	96.8	Pulse	0.1000	3
He	In	115	26600.26	2.3	97.5	Pulse	0.1000	3
He	Tb	159	174715.77	1.2	99.1	Pulse	0.1000	3
He	Bi	209	134682.98	0.8	99.9	Pulse	0.1000	3

No Gas

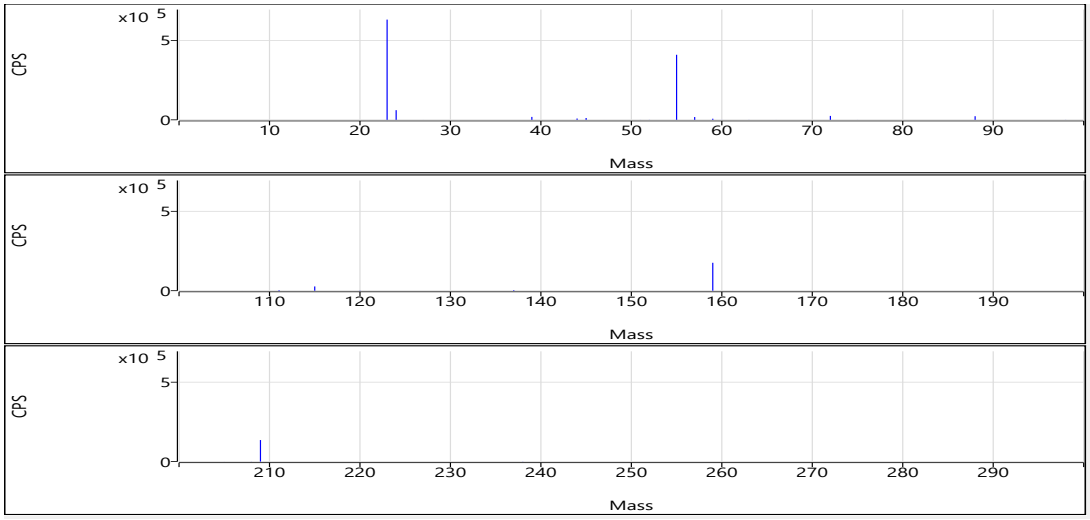


H2



Quantitation Report

He



Quantitation Report

Data File Name	182SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:42:42 PM
Sample Name	410-234682-K-9-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

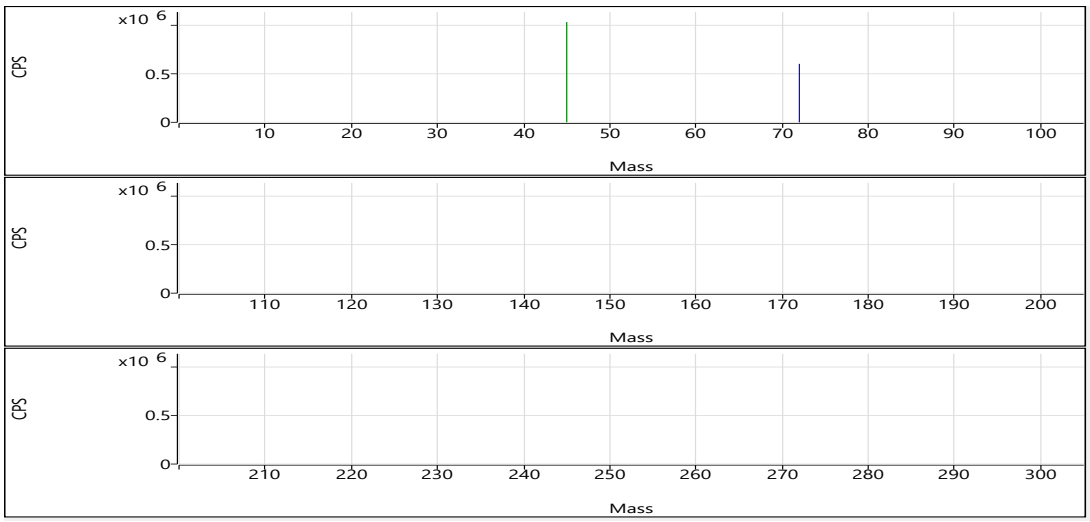
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.004	ppb	871.2	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	10051.530	ug/L	4.5	455286.69	18.4651	Pulse	0.1000	3
Mg	24	72	He	2680.735	ug/L	4.8	61686.52	2.5021	Pulse	0.1000	3
Al	27	72	He	34.586	ug/L	46.2	260.01	0.0106	Pulse	0.1000	3
K	39	72	He	4102.602	ppb	5.8	55338.69	2.2448	Pulse	0.1000	3
Ca	44	72	He	26270.183	ppb	2.9	22605.35	0.9163	Pulse	0.1000	3
Ti	47	159	He	1.839	ppb	75.8	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.379	ppb	21.3	261.34	0.0106	Pulse	0.5000	3
Cr	52	45	He	-0.012	ppb	N/A	500.03	0.0437	Pulse	0.1000	3
Mn	55	45	He	547.493	ppb	0.3	109522.11	9.5835	Pulse	0.1000	3
Fe	57	72	He	17709.071	ppb	4.5	193527.69	7.8491	Pulse	0.1000	3
Co	59	72	He	0.570	ppb	11.2	826.72	0.0335	Pulse	0.1000	3
Ni	60	72	He	0.299	ppb	23.8	256.68	0.0104	Pulse	0.1000	3
Cu	63	72	He	1.226	ppb	12.0	1436.80	0.0583	Pulse	0.1000	3
Zn	66	72	He	31.269	ppb	8.7	3050.45	0.1232	Pulse	0.1000	3
As	75	45	He	18.266	ppb	6.5	1062.05	0.0929	Pulse	0.5000	3
Sr	88	159	He	162.801	ppb	2.2	39166.43	0.2243	Pulse	0.1000	3
Mo	98	159	He	0.453	ppb	4.5	473.36	0.0027	Pulse	0.1000	3
Ag	107	159	He	0.017	ppb	40.3	66.67	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	168.9	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.694	ppb	N/A	1470.14	0.0084	Pulse	0.1000	3
Sb	121	159	He	0.074	ppb	105.1	46.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	36.425	ppb	6.8	6501.84	0.0372	Pulse	0.1000	3
Tl	205	159	He	-0.017	ppb	N/A	146.68	0.0008	Pulse	0.1000	3
Pb	208	159	He	1.460	ppb	2.5	5781.54	0.0331	Pulse	0.1000	3
U	238	209	He	0.018	ppb	41.0	333.35	0.0025	Pulse	0.1000	3

ISTD Table:

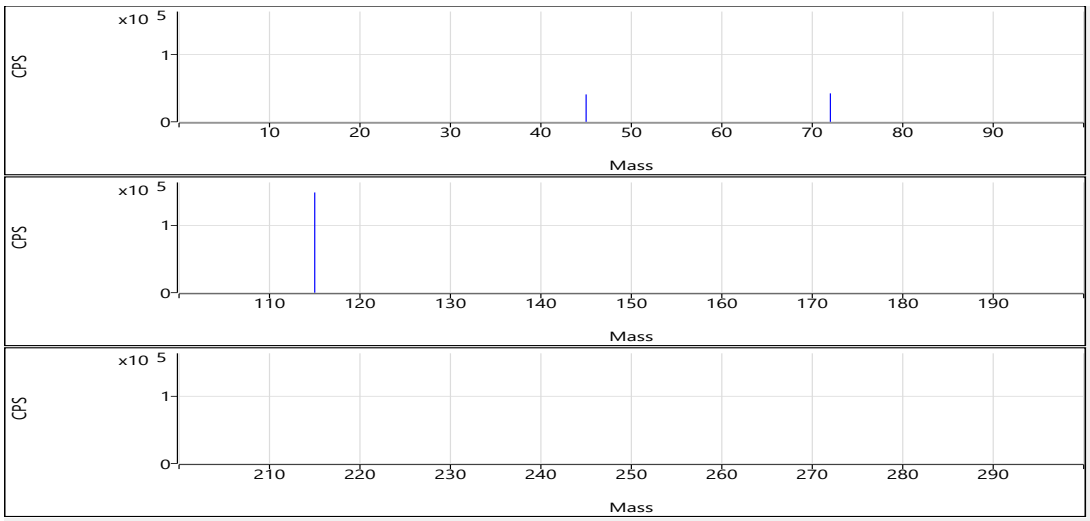
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1034093.63	0.6	98.9	Analog	0.1000	3
No Gas	Ge	72	603050.08	0.6	100.3	Pulse	0.1000	3
H2	Sc	45	40729.64	0.5	96.4	Pulse	0.1000	3
H2	Ge	72	42275.45	2.4	96.4	Pulse	0.1000	3
H2	In	115	148996.06	1.6	98.9	Pulse	0.1000	3
He	Sc	45	11428.30	0.8	100.1	Pulse	0.1000	3
He	Ge	72	24689.25	4.5	97.5	Pulse	0.1000	3
He	In	115	27284.94	1.6	100.0	Pulse	0.1000	3
He	Tb	159	174608.86	1.2	99.0	Pulse	0.1000	3
He	Bi	209	136104.52	0.8	100.9	Pulse	0.1000	3

No Gas

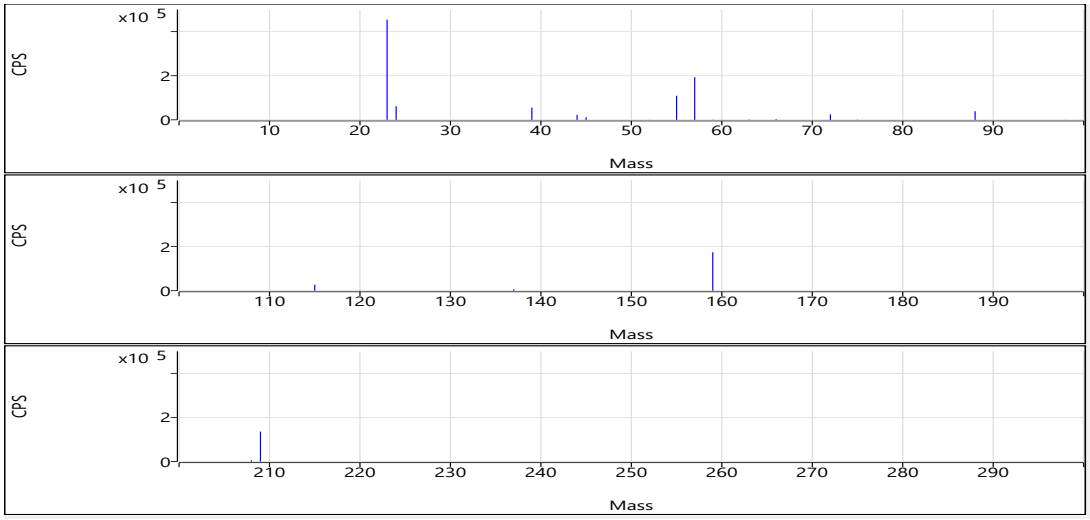


H2



Quantitation Report

He



Quantitation Report

Data File Name	183SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:44:41 PM
Sample Name	410-234682-K-3-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

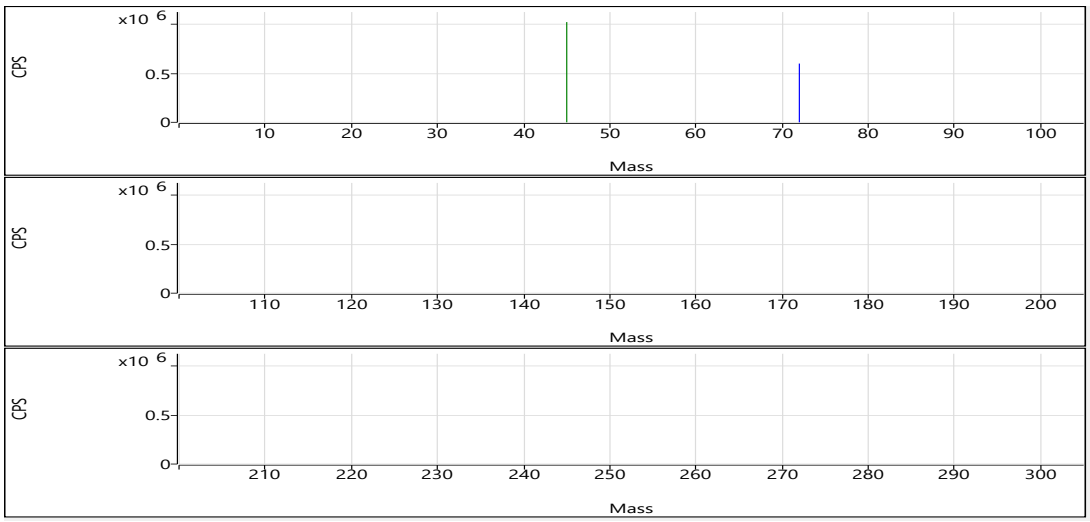
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.019	ug/L	93.0	35.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.089	ppb	43.4	4.44	0.0001	Pulse	1.5000	3
Na	23	72	He	7614.426	ug/L	1.4	351007.29	14.0422	Pulse	0.1000	3
Mg	24	72	He	1665.131	ug/L	2.7	38903.53	1.5566	Pulse	0.1000	3
Al	27	72	He	180.372	ug/L	2.6	1193.44	0.0477	Pulse	0.1000	3
K	39	72	He	1711.936	ppb	3.3	24585.27	0.9833	Pulse	0.1000	3
Ca	44	72	He	8872.320	ppb	6.0	7755.76	0.3101	Pulse	0.1000	3
Ti	47	159	He	8.578	ppb	56.9	70.00	0.0004	Pulse	0.1000	3
V	51	72	He	0.690	ppb	7.2	386.01	0.0154	Pulse	0.5000	3
Cr	52	45	He	0.037	ppb	477.3	526.70	0.0460	Pulse	0.1000	3
Mn	55	45	He	1607.800	ppb	1.9	321368.73	28.1347	Pulse	0.1000	3
Fe	57	72	He	693.919	ppb	2.9	7772.42	0.3110	Pulse	0.1000	3
Co	59	72	He	7.411	ppb	1.6	9593.62	0.3838	Pulse	0.1000	3
Ni	60	72	He	1.913	ppb	9.6	850.06	0.0340	Pulse	0.1000	3
Cu	63	72	He	1.329	ppb	4.5	1570.14	0.0628	Pulse	0.1000	3
Zn	66	72	He	20.473	ppb	6.0	2033.56	0.0814	Pulse	0.1000	3
As	75	45	He	1.530	ppb	13.2	98.67	0.0086	Pulse	0.5000	3
Sr	88	159	He	60.789	ppb	2.4	15002.05	0.0850	Pulse	0.1000	3
Mo	98	159	He	0.144	ppb	42.7	193.34	0.0011	Pulse	0.1000	3
Ag	107	159	He	0.006	ppb	116.0	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.127	ppb	7.8	30.00	0.0002	Pulse	0.5000	3
Sn	120	159	He	-0.667	ppb	N/A	1500.14	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.044	ppb	76.0	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	18.263	ppb	4.8	3720.66	0.0211	Pulse	0.1000	3
Tl	205	159	He	0.009	ppb	127.7	293.35	0.0017	Pulse	0.1000	3
Pb	208	159	He	1.697	ppb	2.3	6765.40	0.0383	Pulse	0.1000	3
U	238	209	He	0.064	ppb	19.0	756.72	0.0055	Pulse	0.1000	3

ISTD Table:

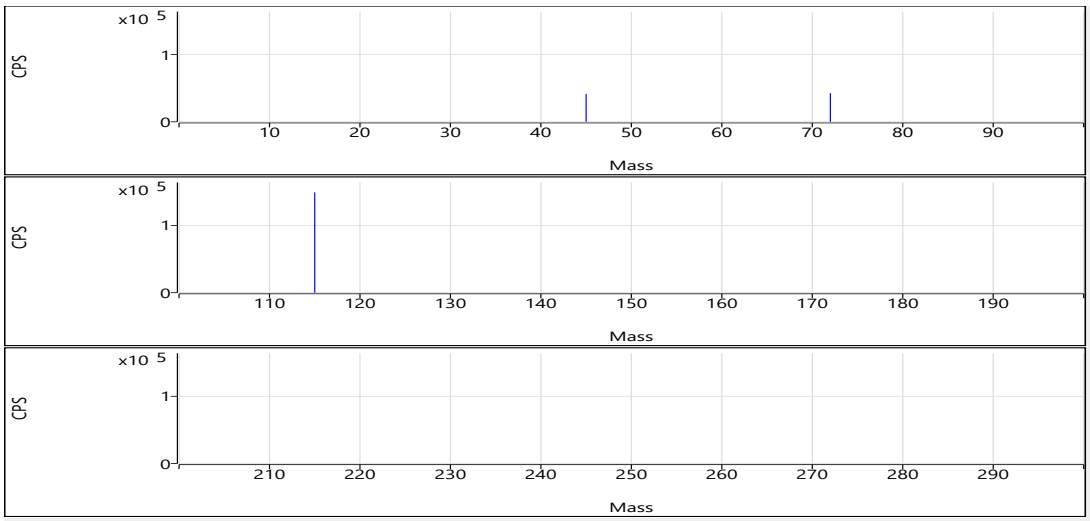
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1023991.89	0.3	98.0	Analog	0.1000	3
No Gas	Ge	72	599959.74	0.3	99.8	Pulse	0.1000	3
H2	Sc	45	41194.30	0.2	97.5	Pulse	0.1000	3
H2	Ge	72	42612.90	1.4	97.1	Pulse	0.1000	3
H2	In	115	148894.25	0.8	98.8	Pulse	0.1000	3
He	Sc	45	11424.94	1.8	100.0	Pulse	0.1000	3
He	Ge	72	24999.80	1.5	98.7	Pulse	0.1000	3
He	In	115	27548.93	3.3	100.9	Pulse	0.1000	3
He	Tb	159	176428.94	0.3	100.0	Pulse	0.1000	3
He	Bi	209	137041.99	1.4	101.6	Pulse	0.1000	3

No Gas

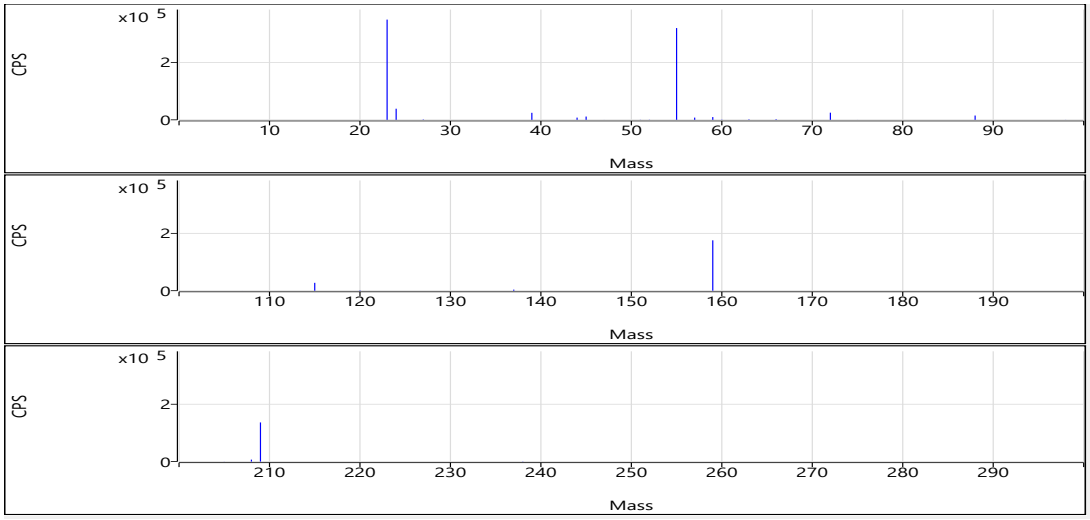


H2



Quantitation Report

He



Quantitation Report

Data File Name	184SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:46:42 PM
Sample Name	410-234682-K-1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

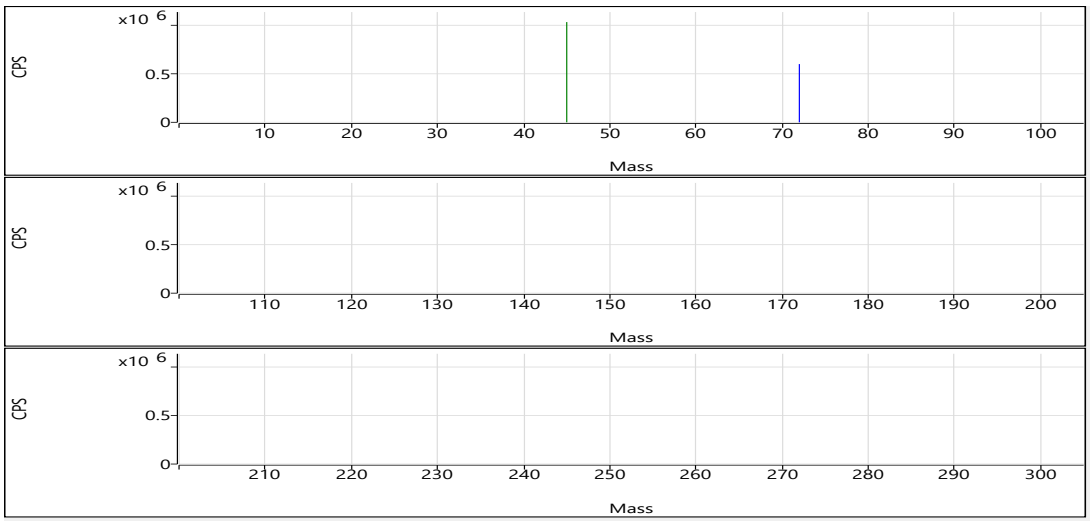
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.040	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	13930.211	ug/L	2.2	626299.02	25.5042	Pulse	0.1000	3
Mg	24	72	He	4173.867	ug/L	0.8	95594.97	3.8922	Pulse	0.1000	3
Al	27	72	He	-0.316	ug/L	N/A	43.33	0.0018	Pulse	0.1000	3
K	39	72	He	2767.702	ppb	2.9	37831.15	1.5404	Pulse	0.1000	3
Ca	44	72	He	24889.110	ppb	1.0	21323.43	0.8682	Pulse	0.1000	3
Ti	47	159	He	-0.452	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.089	ppb	27.7	147.33	0.0060	Pulse	0.5000	3
Cr	52	45	He	-0.267	ppb	N/A	366.69	0.0318	Pulse	0.1000	3
Mn	55	45	He	471.714	ppb	0.5	95168.20	8.2577	Pulse	0.1000	3
Fe	57	72	He	13180.100	ppb	2.9	143464.18	5.8426	Pulse	0.1000	3
Co	59	72	He	0.400	ppb	26.2	610.04	0.0248	Pulse	0.1000	3
Ni	60	72	He	0.312	ppb	49.5	260.01	0.0106	Pulse	0.1000	3
Cu	63	72	He	0.286	ppb	11.2	433.36	0.0176	Pulse	0.1000	3
Zn	66	72	He	1.624	ppb	29.6	203.34	0.0083	Pulse	0.1000	3
As	75	45	He	3.845	ppb	14.0	234.00	0.0203	Pulse	0.5000	3
Sr	88	159	He	120.049	ppb	2.8	29014.74	0.1660	Pulse	0.1000	3
Mo	98	159	He	0.285	ppb	33.7	320.01	0.0018	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	79.8	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.009	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.766	ppb	N/A	1430.13	0.0082	Pulse	0.1000	3
Sb	121	159	He	-0.007	ppb	N/A	10.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	15.585	ppb	1.9	3270.52	0.0187	Pulse	0.1000	3
Tl	205	159	He	-0.021	ppb	N/A	126.67	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.115	ppb	22.6	603.37	0.0035	Pulse	0.1000	3
U	238	209	He	0.001	ppb	866.1	176.68	0.0013	Pulse	0.1000	3

ISTD Table:

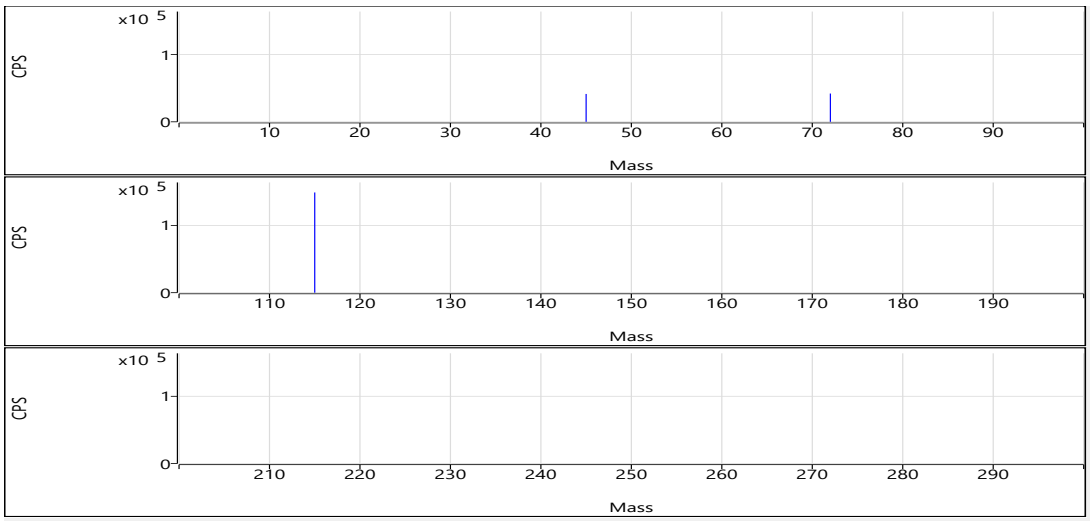
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1034812.82	0.2	99.0	Analog	0.1000	3
No Gas	Ge	72	600990.33	0.8	99.9	Pulse	0.1000	3
H2	Sc	45	41541.94	1.4	98.3	Pulse	0.1000	3
H2	Ge	72	42151.42	0.5	96.1	Pulse	0.1000	3
H2	In	115	149439.32	1.1	99.2	Pulse	0.1000	3
He	Sc	45	11525.08	1.0	100.9	Pulse	0.1000	3
He	Ge	72	24562.36	1.6	97.0	Pulse	0.1000	3
He	In	115	26232.75	2.4	96.1	Pulse	0.1000	3
He	Tb	159	174837.56	1.0	99.1	Pulse	0.1000	3
He	Bi	209	135639.50	0.3	100.6	Pulse	0.1000	3

No Gas

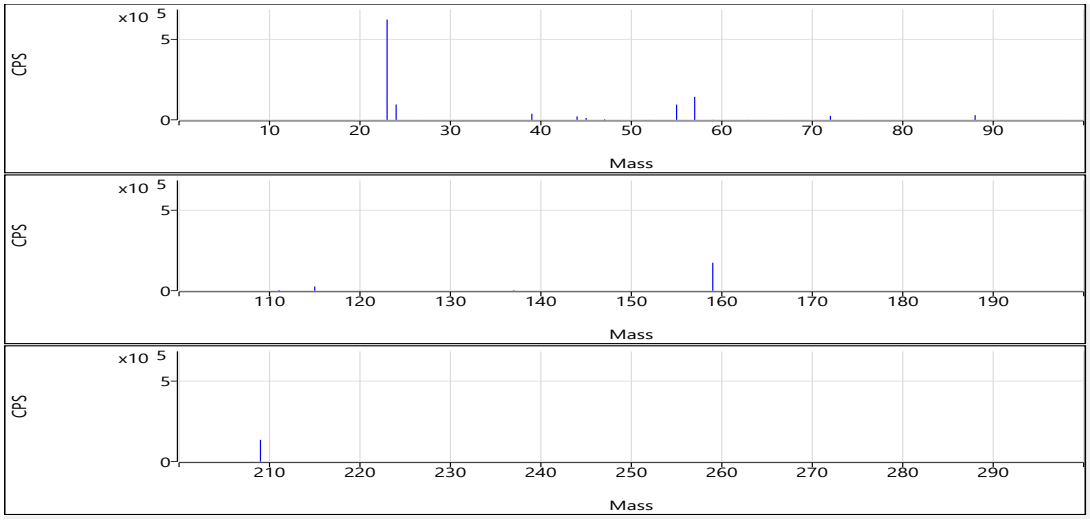


H2



Quantitation Report

He



Quantitation Report

Data File Name	190_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 10:58:42 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

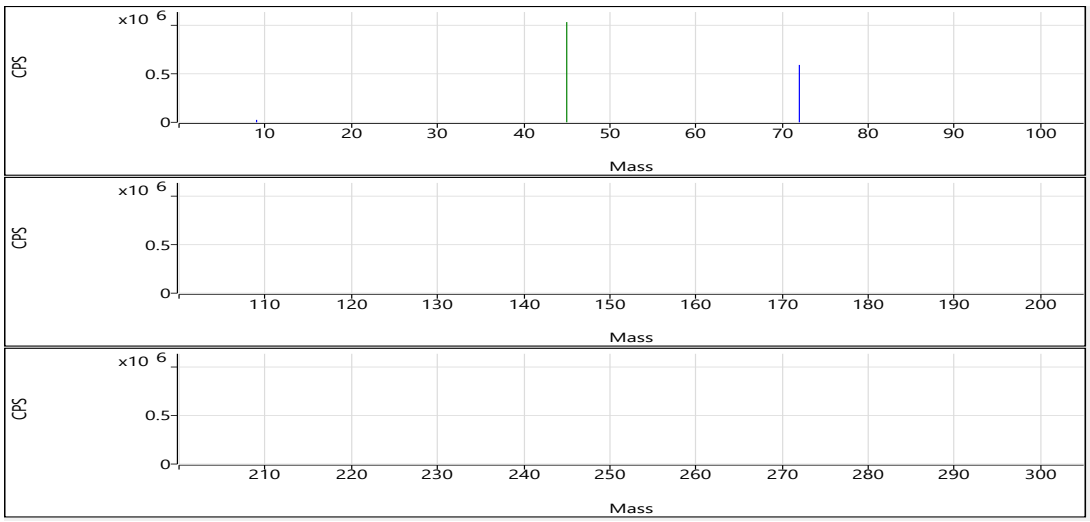
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.923	ug/L	1.6	24822.55	0.0242	Pulse	0.5000	3
Se	78	72	H2	49.377	ppb	3.8	1259.17	0.0299	Pulse	1.5000	3
Na	23	72	He	5138.808	ug/L	5.8	226342.66	9.5493	Pulse	0.1000	3
Mg	24	72	He	5065.578	ug/L	4.8	111959.14	4.7224	Pulse	0.1000	3
Al	27	72	He	5060.940	ug/L	3.5	30586.74	1.2897	Pulse	0.1000	3
K	39	72	He	5103.362	ppb	5.1	65736.15	2.7729	Pulse	0.1000	3
Ca	44	72	He	4964.373	ppb	7.7	4124.11	0.1739	Pulse	0.1000	3
Ti	47	159	He	4910.874	ppb	1.1	36050.34	0.2056	Pulse	0.1000	3
V	51	72	He	510.704	ppb	4.5	190312.35	8.0266	Pulse	0.5000	3
Cr	52	45	He	509.461	ppb	1.7	262070.77	23.7974	Pulse	0.1000	3
Mn	55	45	He	507.718	ppb	1.9	97873.73	8.8876	Pulse	0.1000	3
Fe	57	72	He	5055.671	ppb	4.1	53195.37	2.2433	Pulse	0.1000	3
Co	59	72	He	488.367	ppb	4.2	592997.88	25.0083	Pulse	0.1000	3
Ni	60	72	He	510.289	ppb	5.2	176813.31	7.4587	Pulse	0.1000	3
Cu	63	72	He	511.659	ppb	4.7	525300.70	22.1567	Pulse	0.1000	3
Zn	66	72	He	494.823	ppb	5.0	45542.01	1.9210	Pulse	0.1000	3
As	75	45	He	513.039	ppb	1.1	28469.11	2.5850	Pulse	0.5000	3
Sr	88	159	He	49.914	ppb	4.4	12302.61	0.0702	Pulse	0.1000	3
Mo	98	159	He	49.105	ppb	3.1	45101.75	0.2573	Pulse	0.1000	3
Ag	107	159	He	49.985	ppb	0.3	109196.67	0.6228	Pulse	0.1000	3
Cd	111	159	He	49.478	ppb	2.9	10365.99	0.0591	Pulse	0.5000	3
Sn	120	159	He	48.220	ppb	0.8	28955.28	0.1651	Pulse	0.1000	3
Sb	121	159	He	49.142	ppb	2.2	22219.05	0.1267	Pulse	0.1000	3
Ba	137	159	He	493.899	ppb	2.5	77880.71	0.4442	Pulse	0.1000	3
Tl	205	159	He	50.219	ppb	1.5	278933.23	1.5907	Pulse	0.1000	3
Pb	208	159	He	50.347	ppb	1.4	194813.81	1.1110	Pulse	0.1000	3
U	238	209	He	49.658	ppb	1.1	448613.44	3.3003	Pulse	0.1000	3

ISTD Table:

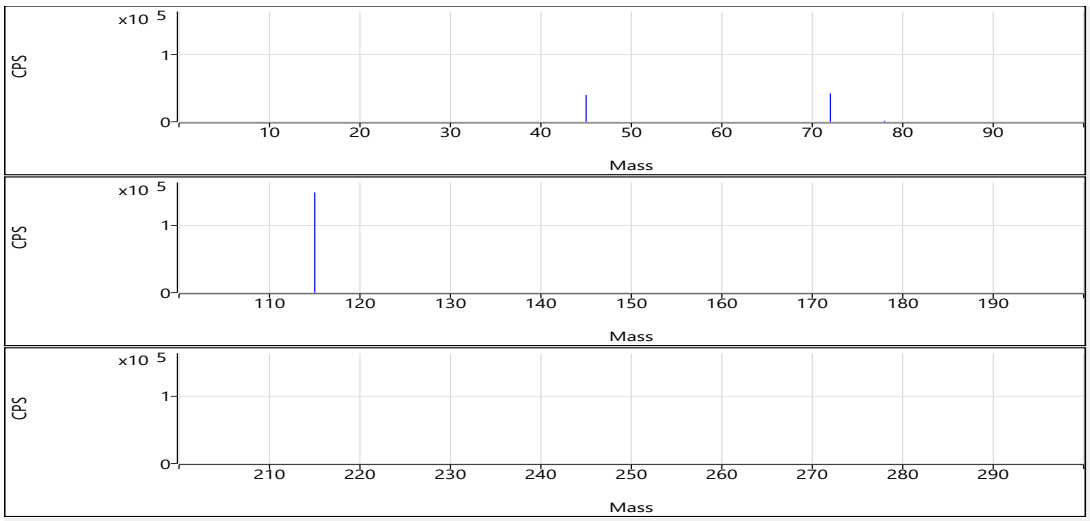
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1027255.19	0.4	98.3	Analog	0.1000	3
No Gas	Ge	72	588093.48	0.5	97.8	Pulse	0.1000	3
H2	Sc	45	39773.72	1.9	94.1	Pulse	0.1000	3
H2	Ge	72	42174.97	2.6	96.1	Pulse	0.1000	3
H2	In	115	148849.52	0.9	98.8	Pulse	0.1000	3
He	Sc	45	11014.61	1.6	96.4	Pulse	0.1000	3
He	Ge	72	23741.07	4.4	93.7	Pulse	0.1000	3
He	In	115	26656.89	2.1	97.7	Pulse	0.1000	3
He	Tb	159	175348.43	1.2	99.4	Pulse	0.1000	3
He	Bi	209	135929.56	1.9	100.8	Pulse	0.1000	3

No Gas

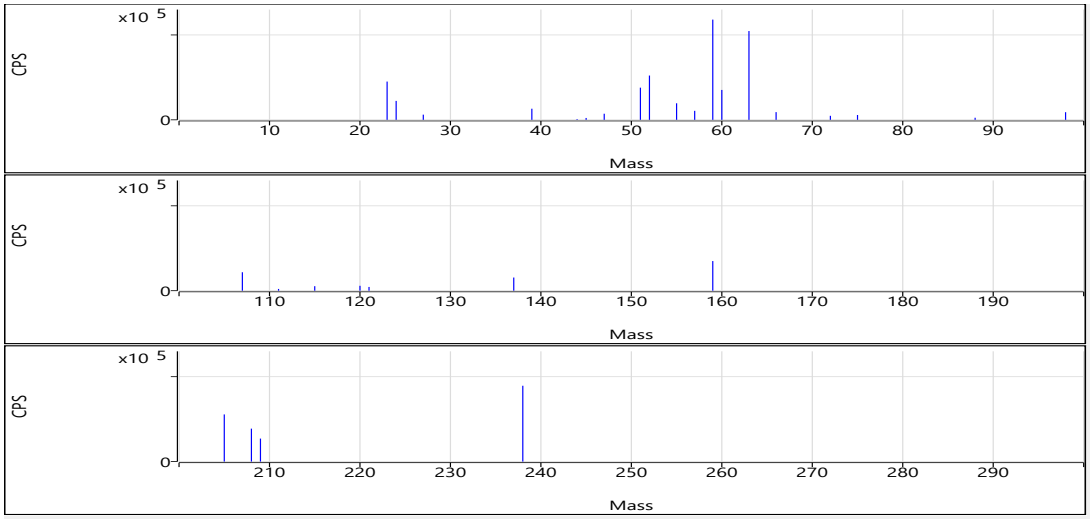


H2



Quantitation Report

He



Quantitation Report

Data File Name	192_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:02:43 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

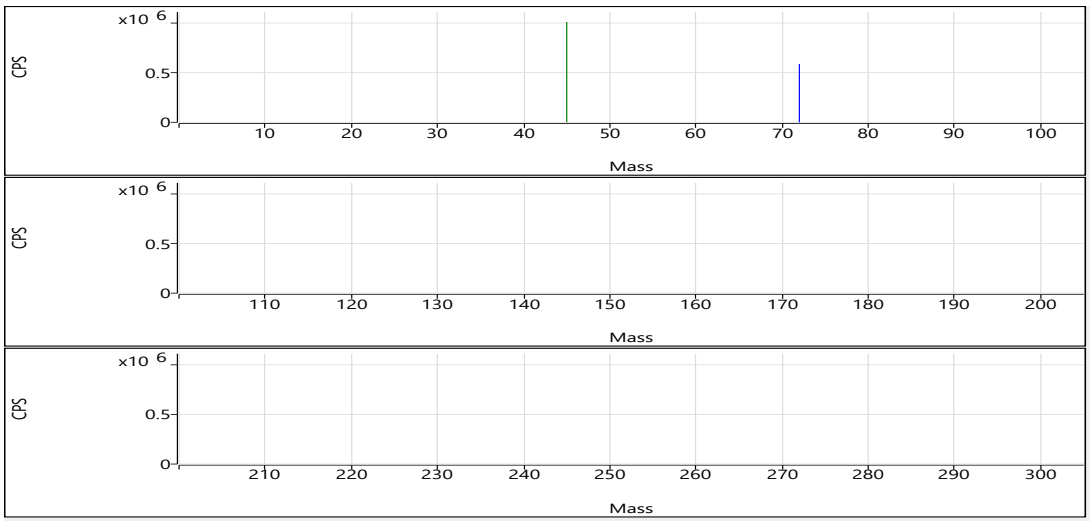
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.014	ug/L	N/A	18.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.040	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	-0.851	ug/L	N/A	5481.26	0.2218	Pulse	0.1000	3
Mg	24	72	He	6.851	ug/L	47.2	313.35	0.0127	Pulse	0.1000	3
Al	27	72	He	0.725	ug/L	668.6	50.00	0.0020	Pulse	0.1000	3
K	39	72	He	8.174	ppb	266.5	2080.23	0.0842	Pulse	0.1000	3
Ca	44	72	He	43.419	ppb	93.4	60.00	0.0024	Pulse	0.1000	3
Ti	47	159	He	-0.448	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.124	ppb	43.3	162.00	0.0066	Pulse	0.5000	3
Cr	52	45	He	-0.146	ppb	N/A	413.35	0.0375	Pulse	0.1000	3
Mn	55	45	He	0.552	ppb	52.6	156.67	0.0142	Pulse	0.1000	3
Fe	57	72	He	0.207	ppb	773.8	90.00	0.0036	Pulse	0.1000	3
Co	59	72	He	0.002	ppb	1016.7	110.00	0.0045	Pulse	0.1000	3
Ni	60	72	He	0.149	ppb	43.4	203.34	0.0082	Pulse	0.1000	3
Cu	63	72	He	0.134	ppb	9.9	273.34	0.0111	Pulse	0.1000	3
Zn	66	72	He	-0.057	ppb	N/A	43.33	0.0018	Pulse	0.1000	3
As	75	45	He	-0.015	ppb	N/A	9.33	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.647	ppb	N/A	196.68	0.0011	Pulse	0.1000	3
Mo	98	159	He	0.013	ppb	80.1	70.00	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.008	ppb	90.1	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.004	ppb	265.6	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.063	ppb	N/A	1796.84	0.0104	Pulse	0.1000	3
Sb	121	159	He	0.076	ppb	16.0	46.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	-2.500	ppb	N/A	450.03	0.0026	Pulse	0.1000	3
Tl	205	159	He	-0.005	ppb	N/A	210.01	0.0012	Pulse	0.1000	3
Pb	208	159	He	0.073	ppb	12.7	436.69	0.0025	Pulse	0.1000	3
U	238	209	He	0.002	ppb	214.2	190.01	0.0014	Pulse	0.1000	3

ISTD Table:

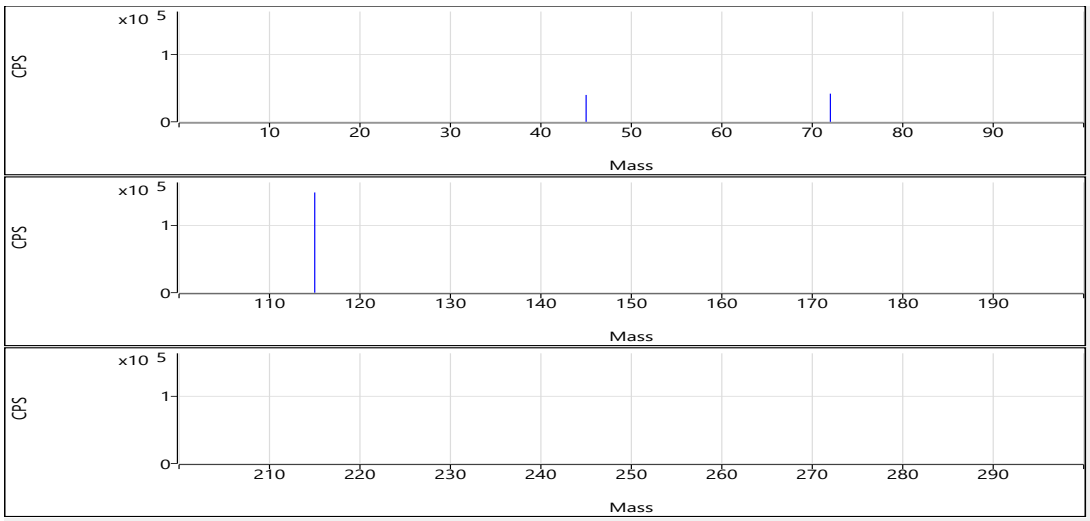
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1008700.22	0.6	96.5	Analog	0.1000	3
No Gas	Ge	72	586246.87	0.2	97.5	Pulse	0.1000	3
H2	Sc	45	40214.64	0.4	95.1	Pulse	0.1000	3
H2	Ge	72	42134.78	1.4	96.0	Pulse	0.1000	3
H2	In	115	149971.96	1.1	99.5	Pulse	0.1000	3
He	Sc	45	11024.68	0.7	96.5	Pulse	0.1000	3
He	Ge	72	24722.73	1.0	97.6	Pulse	0.1000	3
He	In	115	26847.26	2.1	98.4	Pulse	0.1000	3
He	Tb	159	172191.00	1.4	97.6	Pulse	0.1000	3
He	Bi	209	135097.69	2.2	100.2	Pulse	0.1000	3

No Gas

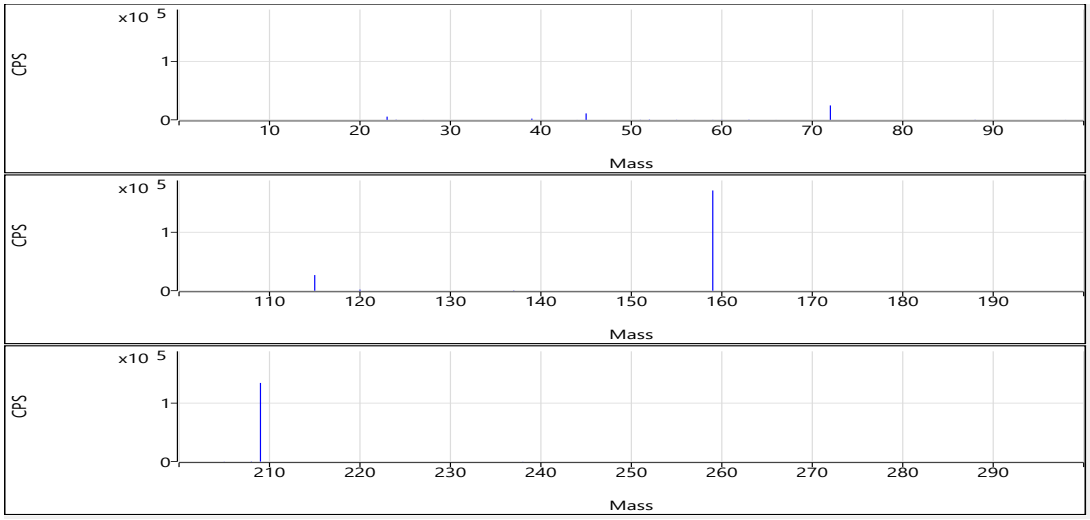


H2



Quantitation Report

He



Quantitation Report

Data File Name	193SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:04:43 PM
Sample Name	180-193745-O-1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

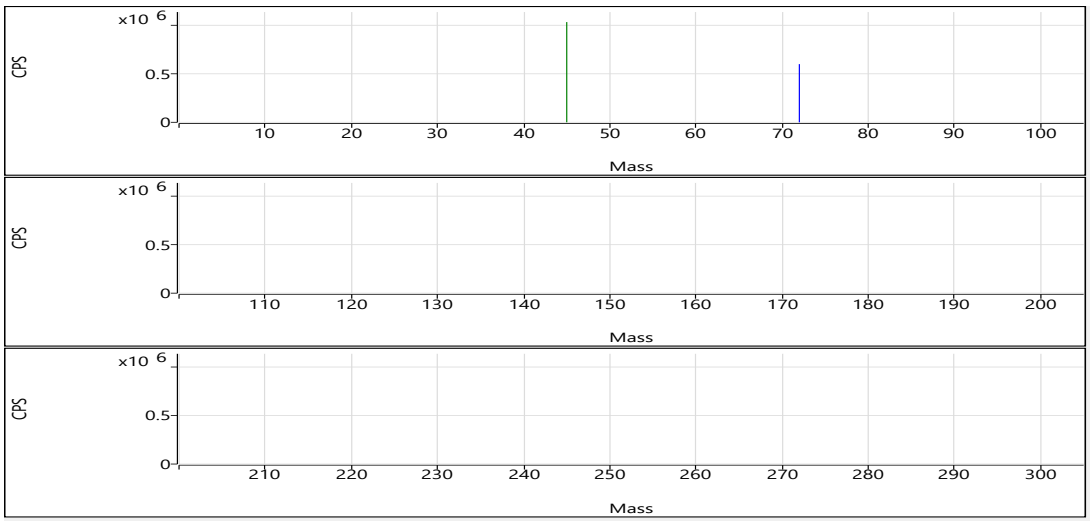
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.087	ppb	43.3	4.44	0.0001	Pulse	1.5000	3
Na	23	72	He	36442.523	ug/L	0.8	1658922.11	66.3600	Analog	0.1000	3
Mg	24	72	He	10150.137	ug/L	0.6	236398.69	9.4561	Pulse	0.1000	3
Al	27	72	He	-3.573	ug/L	N/A	23.33	0.0009	Pulse	0.1000	3
K	39	72	He	1868.041	ppb	3.8	26645.84	1.0656	Pulse	0.1000	3
Ca	44	72	He	37824.338	ppb	2.1	32975.89	1.3189	Pulse	0.1000	3
Ti	47	159	He	0.873	ppb	232.0	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.121	ppb	27.7	162.67	0.0065	Pulse	0.5000	3
Cr	52	45	He	-0.115	ppb	N/A	440.02	0.0389	Pulse	0.1000	3
Mn	55	45	He	0.783	ppb	15.2	206.68	0.0183	Pulse	0.1000	3
Fe	57	72	He	5.495	ppb	113.1	150.01	0.0060	Pulse	0.1000	3
Co	59	72	He	0.030	ppb	260.1	146.67	0.0059	Pulse	0.1000	3
Ni	60	72	He	0.197	ppb	80.3	223.34	0.0089	Pulse	0.1000	3
Cu	63	72	He	4.591	ppb	4.6	5101.14	0.2040	Pulse	0.1000	3
Zn	66	72	He	33.033	ppb	8.9	3250.50	0.1301	Pulse	0.1000	3
As	75	45	He	0.883	ppb	6.0	60.67	0.0054	Pulse	0.5000	3
Sr	88	159	He	710.767	ppb	3.2	172754.91	0.9727	Pulse	0.1000	3
Mo	98	159	He	0.506	ppb	23.8	530.03	0.0030	Pulse	0.1000	3
Ag	107	159	He	-0.002	ppb	N/A	26.67	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.511	ppb	N/A	1600.16	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.109	ppb	11.9	63.33	0.0004	Pulse	0.1000	3
Ba	137	159	He	292.562	ppb	0.7	47097.25	0.2651	Pulse	0.1000	3
Tl	205	159	He	-0.012	ppb	N/A	176.68	0.0010	Pulse	0.1000	3
Pb	208	159	He	1.044	ppb	5.5	4254.21	0.0240	Pulse	0.1000	3
U	238	209	He	0.880	ppb	4.0	8192.99	0.0597	Pulse	0.1000	3

ISTD Table:

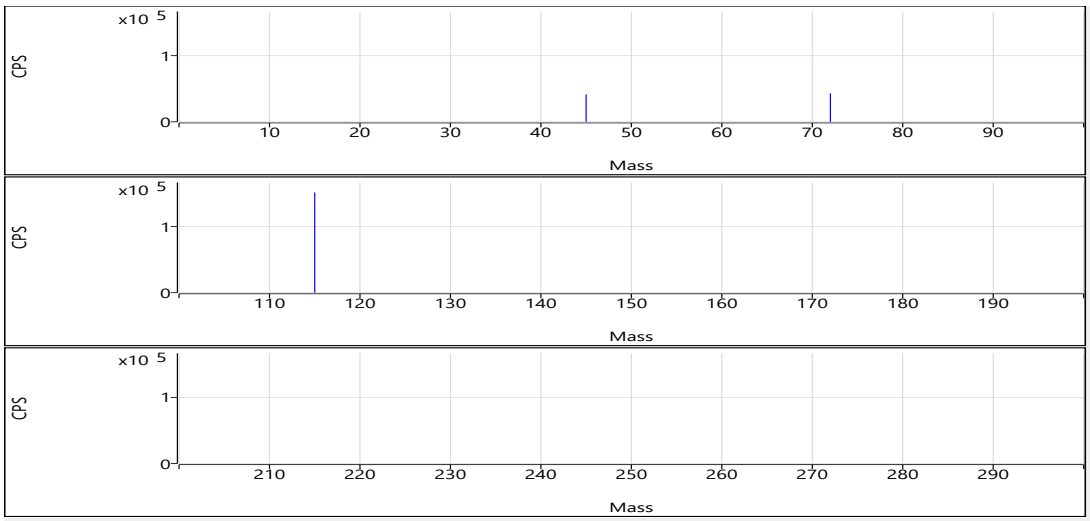
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1038619.80	0.9	99.4	Analog	0.1000	3
No Gas	Ge	72	602748.13	0.2	100.2	Pulse	0.1000	3
H2	Sc	45	41381.55	0.9	97.9	Pulse	0.1000	3
H2	Ge	72	42904.05	1.4	97.8	Pulse	0.1000	3
H2	In	115	150700.28	0.9	100.0	Pulse	0.1000	3
He	Sc	45	11304.87	1.5	99.0	Pulse	0.1000	3
He	Ge	72	25000.01	0.9	98.7	Pulse	0.1000	3
He	In	115	27284.83	2.8	100.0	Pulse	0.1000	3
He	Tb	159	177658.77	1.3	100.7	Pulse	0.1000	3
He	Bi	209	137243.14	0.4	101.8	Pulse	0.1000	3

No Gas

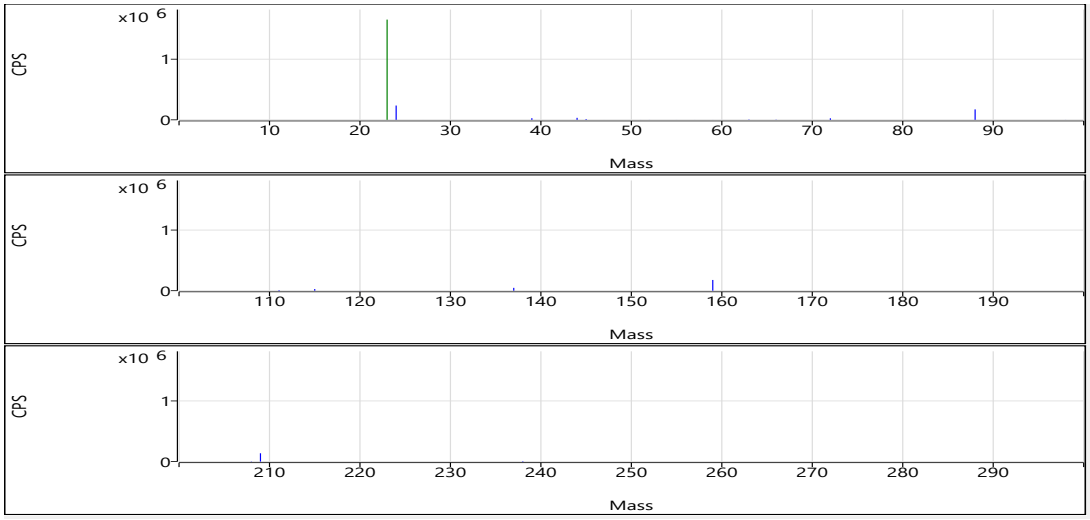


H2



Quantitation Report

He



Quantitation Report

Data File Name	194SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:06:43 PM
Sample Name	180-193746-O-1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

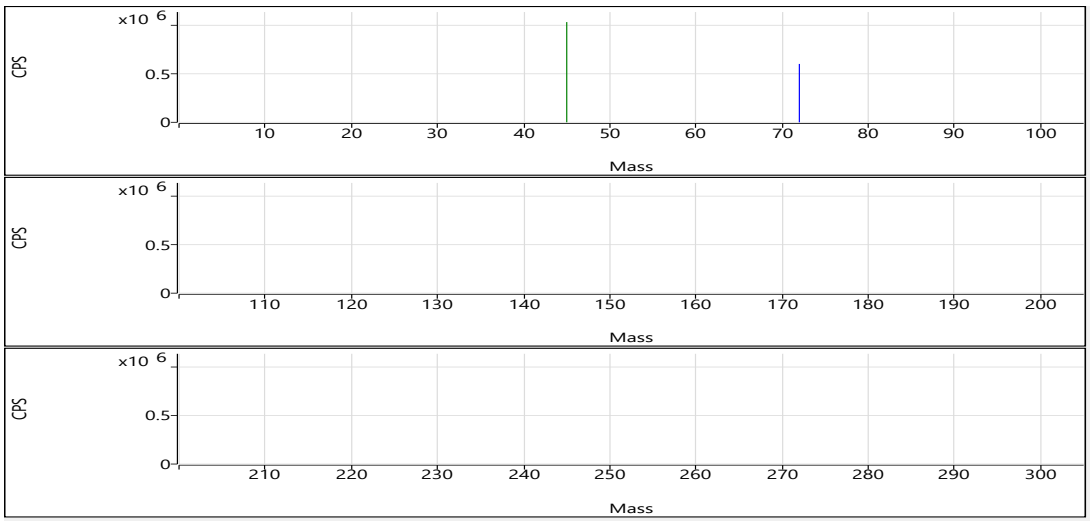
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.024	ppb	N/A	1.56	0.0000	Pulse	1.5000	3
Na	23	72	He	11009.708	ug/L	0.5	509962.00	20.2040	Pulse	0.1000	3
Mg	24	72	He	11176.588	ug/L	0.4	262796.99	10.4117	Pulse	0.1000	3
Al	27	72	He	3.119	ug/L	142.2	66.67	0.0026	Pulse	0.1000	3
K	39	72	He	1562.822	ppb	0.8	22832.25	0.9046	Pulse	0.1000	3
Ca	44	72	He	42175.273	ppb	1.4	37116.13	1.4706	Pulse	0.1000	3
Ti	47	159	He	-0.456	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.057	ppb	100.1	138.67	0.0055	Pulse	0.5000	3
Cr	52	45	He	0.015	ppb	924.4	493.36	0.0450	Pulse	0.1000	3
Mn	55	45	He	1.104	ppb	32.7	260.01	0.0239	Pulse	0.1000	3
Fe	57	72	He	8.991	ppb	56.0	190.01	0.0075	Pulse	0.1000	3
Co	59	72	He	0.011	ppb	296.4	123.34	0.0049	Pulse	0.1000	3
Ni	60	72	He	0.038	ppb	219.7	166.68	0.0066	Pulse	0.1000	3
Cu	63	72	He	2.307	ppb	2.4	2653.68	0.1051	Pulse	0.1000	3
Zn	66	72	He	2.456	ppb	17.1	290.02	0.0115	Pulse	0.1000	3
As	75	45	He	0.770	ppb	18.6	52.67	0.0048	Pulse	0.5000	3
Sr	88	159	He	290.072	ppb	4.8	69965.60	0.3981	Pulse	0.1000	3
Mo	98	159	He	0.656	ppb	6.8	663.38	0.0038	Pulse	0.1000	3
Ag	107	159	He	0.008	ppb	71.5	46.67	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.016	ppb	191.6	6.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.822	ppb	N/A	1406.79	0.0080	Pulse	0.1000	3
Sb	121	159	He	0.052	ppb	64.3	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	284.353	ppb	1.4	45317.79	0.2578	Pulse	0.1000	3
Tl	205	159	He	-0.014	ppb	N/A	163.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.057	ppb	37.4	383.36	0.0022	Pulse	0.1000	3
U	238	209	He	0.842	ppb	4.7	7676.00	0.0572	Pulse	0.1000	3

ISTD Table:

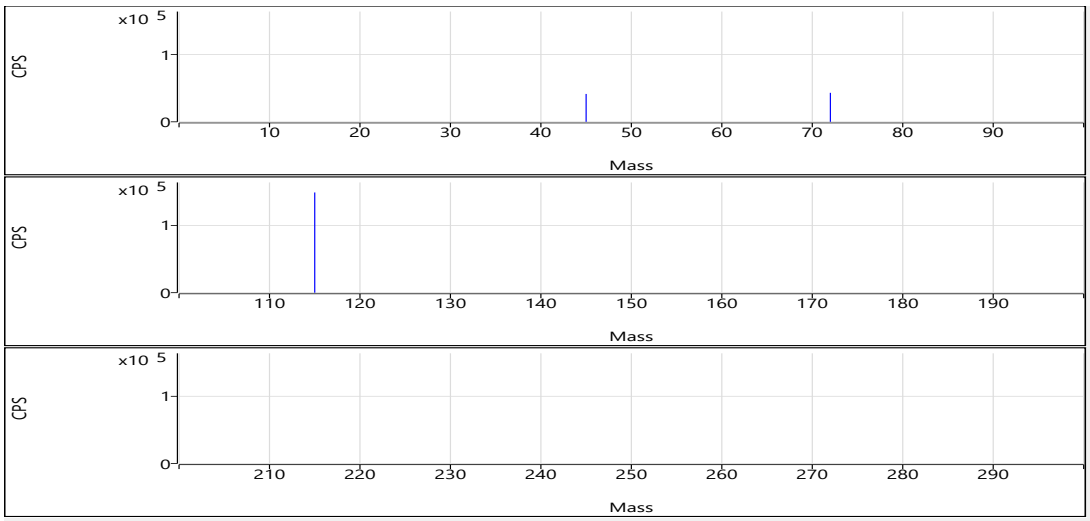
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1028274.85	0.5	98.4	Analog	0.1000	3
No Gas	Ge	72	598760.33	0.5	99.6	Pulse	0.1000	3
H2	Sc	45	41682.35	2.7	98.6	Pulse	0.1000	3
H2	Ge	72	43358.66	1.9	98.8	Pulse	0.1000	3
H2	In	115	149889.13	0.9	99.5	Pulse	0.1000	3
He	Sc	45	10937.91	4.1	95.8	Pulse	0.1000	3
He	Ge	72	25240.28	0.5	99.6	Pulse	0.1000	3
He	In	115	27458.46	2.0	100.6	Pulse	0.1000	3
He	Tb	159	175786.97	1.2	99.7	Pulse	0.1000	3
He	Bi	209	134171.11	1.6	99.5	Pulse	0.1000	3

No Gas

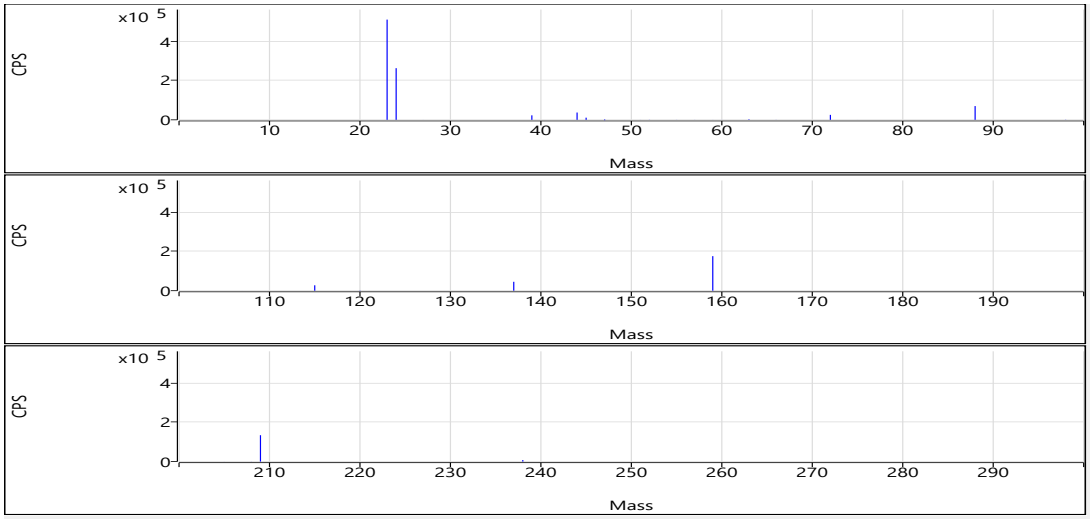


H2



Quantitation Report

He



Quantitation Report

Data File Name	195SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:08:42 PM
Sample Name	180-193740-O-1-A
Sample Type	Sample
Comment	A21
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

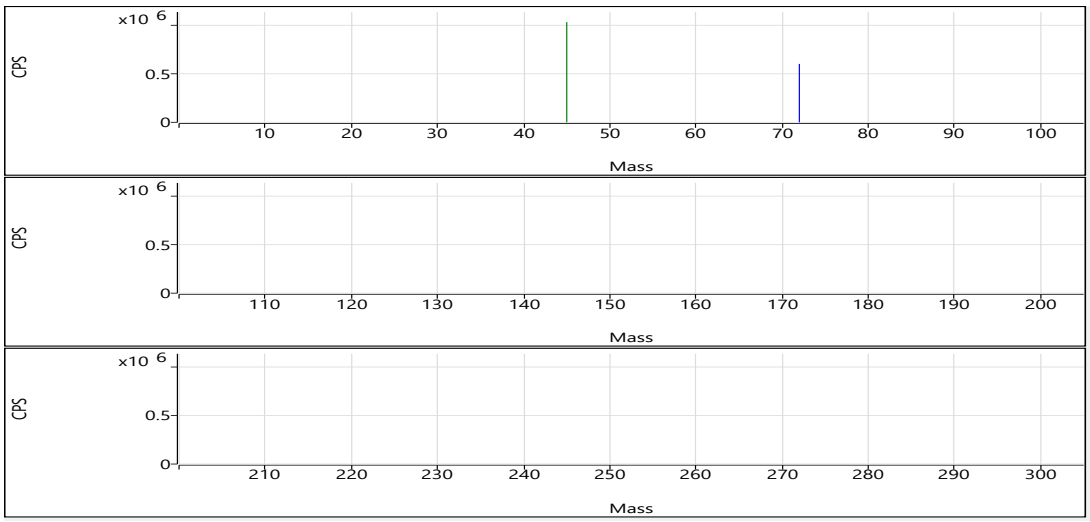
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.024	ug/L	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.041	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	2645.886	ug/L	0.8	126332.71	5.0251	Pulse	0.1000	3
Mg	24	72	He	3390.140	ug/L	1.5	79504.05	3.1625	Pulse	0.1000	3
Al	27	72	He	0.065	ug/L	9195.9	46.67	0.0019	Pulse	0.1000	3
K	39	72	He	576.698	ppb	9.9	9656.92	0.3842	Pulse	0.1000	3
Ca	44	72	He	22012.763	ppb	0.2	19307.08	0.7680	Pulse	0.1000	3
Ti	47	159	He	-0.449	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.087	ppb	31.9	150.00	0.0060	Pulse	0.5000	3
Cr	52	45	He	0.095	ppb	170.3	543.36	0.0487	Pulse	0.1000	3
Mn	55	45	He	4.390	ppb	5.3	906.73	0.0814	Pulse	0.1000	3
Fe	57	72	He	236.557	ppb	10.3	2723.69	0.1084	Pulse	0.1000	3
Co	59	72	He	-0.002	ppb	N/A	106.67	0.0042	Pulse	0.1000	3
Ni	60	72	He	0.030	ppb	629.5	163.34	0.0065	Pulse	0.1000	3
Cu	63	72	He	3.277	ppb	12.9	3697.28	0.1471	Pulse	0.1000	3
Zn	66	72	He	5.645	ppb	9.0	600.03	0.0239	Pulse	0.1000	3
As	75	45	He	0.030	ppb	189.1	12.00	0.0011	Pulse	0.5000	3
Sr	88	159	He	75.463	ppb	0.8	18529.86	0.1051	Pulse	0.1000	3
Mo	98	159	He	0.025	ppb	26.8	83.33	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.004	ppb	198.9	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.600	ppb	N/A	1536.81	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	443.4	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	41.783	ppb	5.5	7409.00	0.0420	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	153.34	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.105	ppb	24.8	570.04	0.0032	Pulse	0.1000	3
U	238	209	He	0.055	ppb	13.5	683.38	0.0049	Pulse	0.1000	3

ISTD Table:

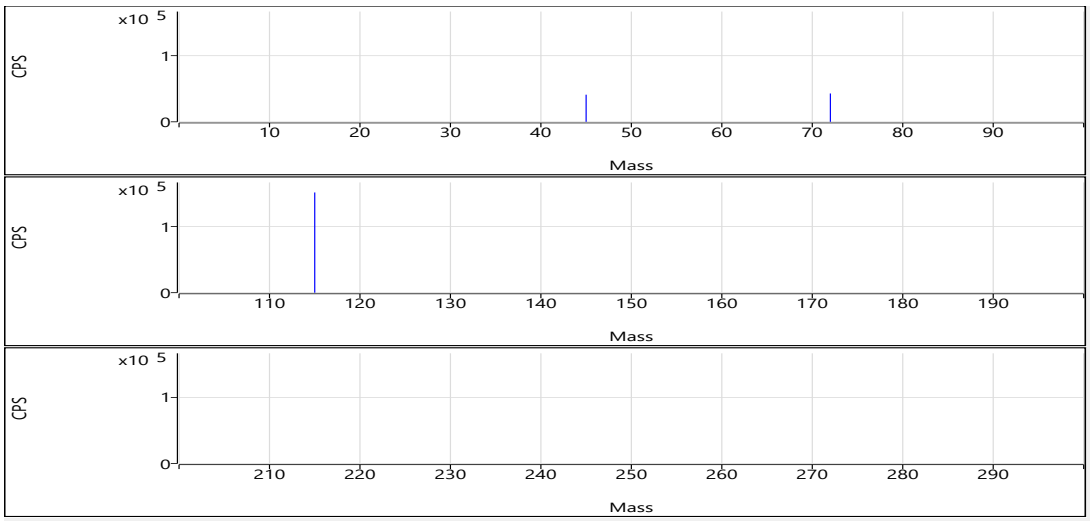
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1035444.28	0.3	99.1	Analog	0.1000	3
No Gas	Ge	72	602988.13	0.4	100.3	Pulse	0.1000	3
H2	Sc	45	40779.51	1.7	96.5	Pulse	0.1000	3
H2	Ge	72	42599.53	0.8	97.1	Pulse	0.1000	3
H2	In	115	150683.73	0.5	100.0	Pulse	0.1000	3
He	Sc	45	11154.84	3.6	97.7	Pulse	0.1000	3
He	Ge	72	25140.21	0.4	99.2	Pulse	0.1000	3
He	In	115	27588.98	1.7	101.1	Pulse	0.1000	3
He	Tb	159	176357.50	1.1	100.0	Pulse	0.1000	3
He	Bi	209	138658.44	0.9	102.8	Pulse	0.1000	3

No Gas

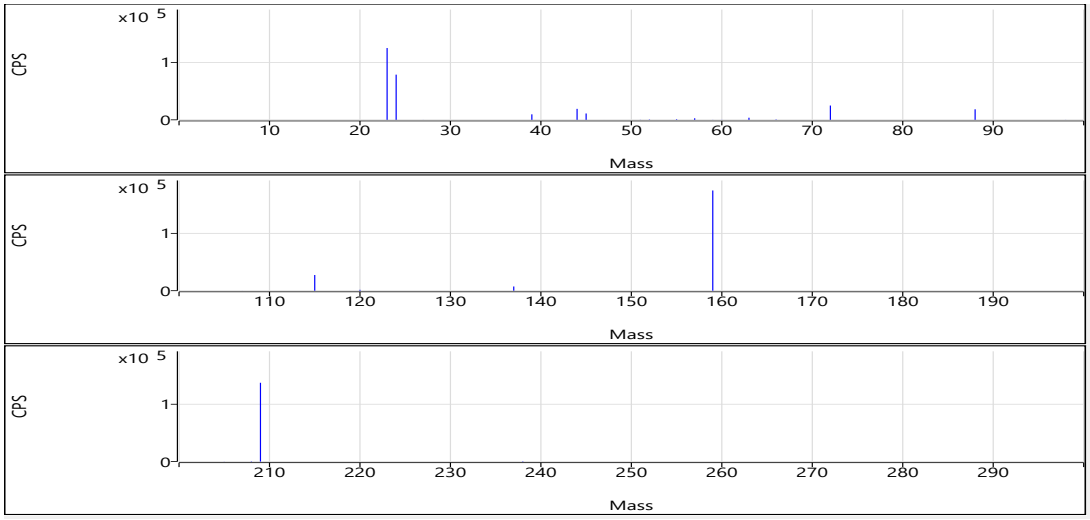


H2



Quantitation Report

He



Quantitation Report

Data File Name	196SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:10:42 PM
Sample Name	410-234163-Q-1-A
Sample Type	Sample
Comment	MS-D16
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

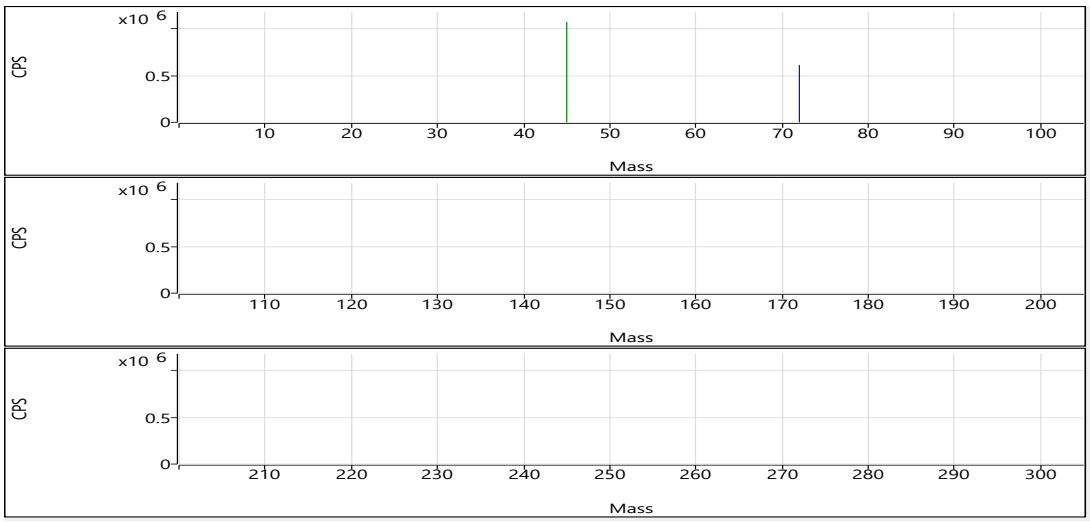
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.025	ug/L	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	11545.250	ug/L	0.7	539354.96	21.1759	Pulse	0.1000	3
Mg	24	72	He	13832.631	ug/L	0.6	328168.32	12.8845	Pulse	0.1000	3
Al	27	72	He	-0.554	ug/L	N/A	43.33	0.0017	Pulse	0.1000	3
K	39	72	He	2311.906	ppb	1.5	33105.96	1.2999	Pulse	0.1000	3
Ca	44	72	He	36238.040	ppb	1.6	32184.04	1.2637	Pulse	0.1000	3
Ti	47	159	He	0.400	ppb	323.3	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	-0.007	ppb	N/A	114.67	0.0045	Pulse	0.5000	3
Cr	52	45	He	-0.144	ppb	N/A	436.69	0.0376	Pulse	0.1000	3
Mn	55	45	He	242.689	ppb	1.2	49320.99	4.2507	Pulse	0.1000	3
Fe	57	72	He	20.960	ppb	28.8	326.68	0.0128	Pulse	0.1000	3
Co	59	72	He	0.958	ppb	4.1	1360.12	0.0534	Pulse	0.1000	3
Ni	60	72	He	2.374	ppb	15.1	1036.75	0.0407	Pulse	0.1000	3
Cu	63	72	He	3.805	ppb	4.3	4330.82	0.1700	Pulse	0.1000	3
Zn	66	72	He	18.193	ppb	7.2	1846.87	0.0725	Pulse	0.1000	3
As	75	45	He	0.935	ppb	23.2	65.33	0.0056	Pulse	0.5000	3
Sr	88	159	He	160.458	ppb	1.5	40510.63	0.2211	Pulse	0.1000	3
Mo	98	159	He	0.585	ppb	16.7	623.37	0.0034	Pulse	0.1000	3
Ag	107	159	He	0.002	ppb	279.8	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.007	ppb	N/A	2.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.839	ppb	N/A	1456.81	0.0080	Pulse	0.1000	3
Sb	121	159	He	0.021	ppb	263.1	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	118.498	ppb	0.9	20199.26	0.1103	Pulse	0.1000	3
Tl	205	159	He	0.006	ppb	125.3	286.68	0.0016	Pulse	0.1000	3
Pb	208	159	He	0.069	ppb	30.9	446.69	0.0024	Pulse	0.1000	3
U	238	209	He	1.829	ppb	4.5	17062.28	0.1228	Pulse	0.1000	3

ISTD Table:

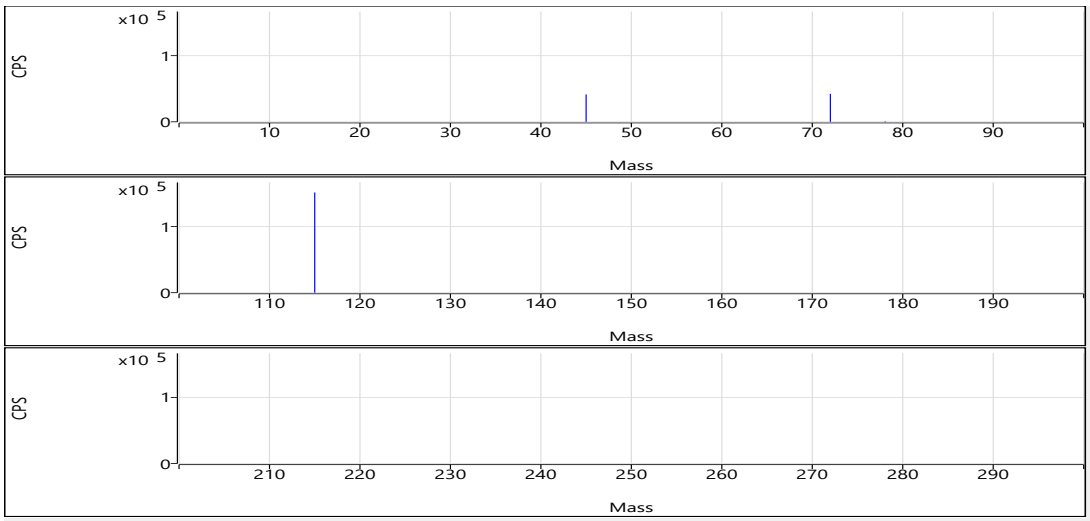
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1071448.16	0.3	102.5	Analog	0.1000	3
No Gas	Ge	72	611644.55	0.4	101.7	Pulse	0.1000	3
H2	Sc	45	41501.91	1.1	98.2	Pulse	0.1000	3
H2	Ge	72	42382.25	1.6	96.6	Pulse	0.1000	3
H2	In	115	151920.72	2.0	100.8	Pulse	0.1000	3
He	Sc	45	11601.81	1.6	101.6	Pulse	0.1000	3
He	Ge	72	25470.72	0.8	100.6	Pulse	0.1000	3
He	In	115	28196.83	0.6	103.3	Pulse	0.1000	3
He	Tb	159	183196.23	1.3	103.9	Pulse	0.1000	3
He	Bi	209	139026.34	1.7	103.1	Pulse	0.1000	3

No Gas

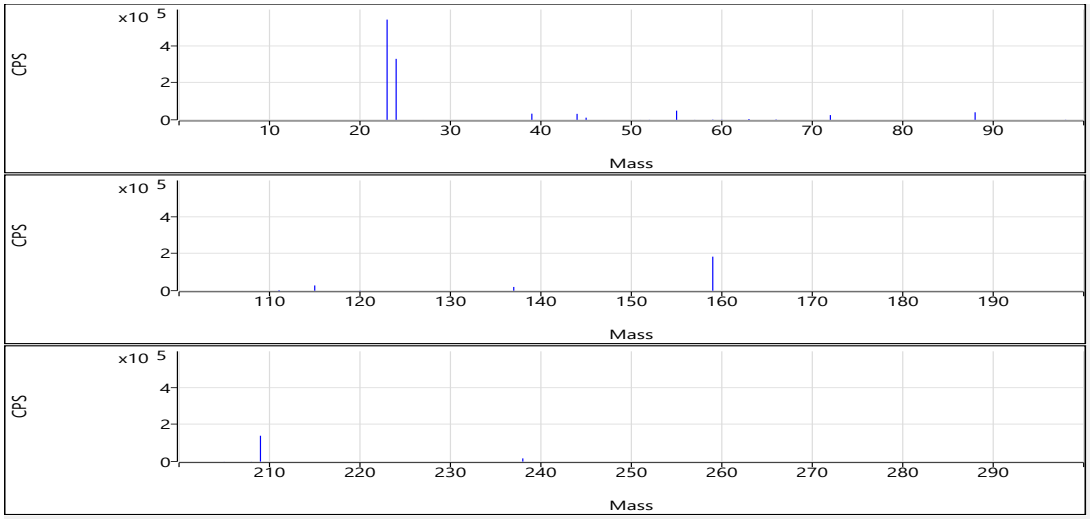


H2



Quantitation Report

He



Quantitation Report

Data File Name	198_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:14:43 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

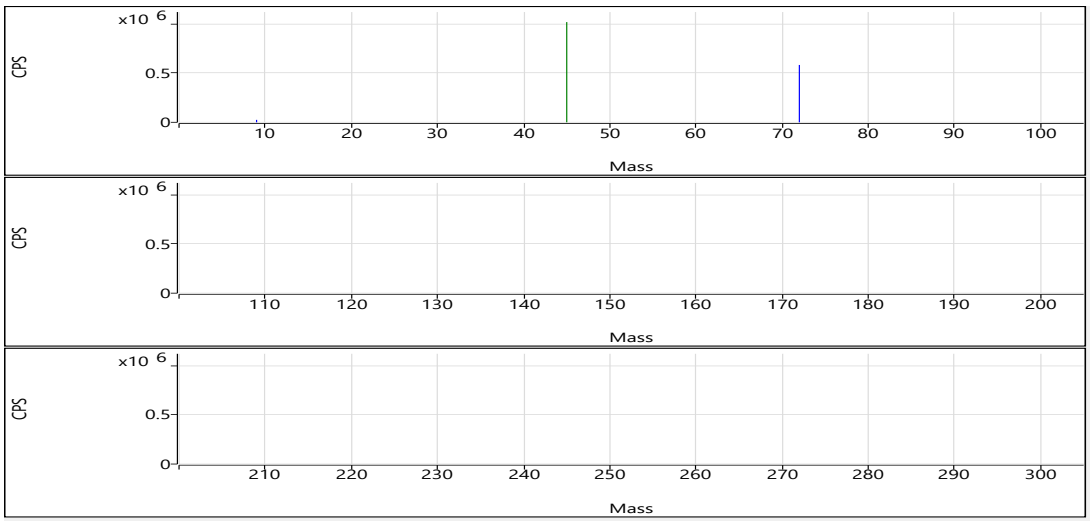
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.012	ug/L	1.2	24606.19	0.0242	Pulse	0.5000	3
Se	78	72	H2	51.106	ppb	3.2	1241.17	0.0309	Pulse	1.5000	3
Na	23	72	He	4869.854	ug/L	2.0	222178.91	9.0612	Pulse	0.1000	3
Mg	24	72	He	4804.056	ug/L	0.8	109845.94	4.4789	Pulse	0.1000	3
Al	27	72	He	4931.234	ug/L	1.4	30817.31	1.2567	Pulse	0.1000	3
K	39	72	He	4853.219	ppb	3.5	64738.34	2.6409	Pulse	0.1000	3
Ca	44	72	He	4968.806	ppb	2.9	4267.50	0.1741	Pulse	0.1000	3
Ti	47	159	He	5002.289	ppb	0.6	36705.35	0.2094	Pulse	0.1000	3
V	51	72	He	489.141	ppb	2.9	188470.03	7.6879	Pulse	0.5000	3
Cr	52	45	He	516.856	ppb	3.8	259792.20	24.1421	Pulse	0.1000	3
Mn	55	45	He	511.946	ppb	3.7	96460.08	8.9616	Pulse	0.1000	3
Fe	57	72	He	4836.118	ppb	3.1	52609.32	2.1461	Pulse	0.1000	3
Co	59	72	He	471.125	ppb	3.0	591427.24	24.1256	Pulse	0.1000	3
Ni	60	72	He	493.952	ppb	2.1	177032.29	7.2201	Pulse	0.1000	3
Cu	63	72	He	492.714	ppb	2.9	523066.67	21.3365	Pulse	0.1000	3
Zn	66	72	He	488.558	ppb	3.6	46491.86	1.8967	Pulse	0.1000	3
As	75	45	He	519.320	ppb	2.6	28165.16	2.6166	Pulse	0.5000	3
Sr	88	159	He	47.856	ppb	0.8	11808.87	0.0674	Pulse	0.1000	3
Mo	98	159	He	50.175	ppb	2.1	46071.89	0.2629	Pulse	0.1000	3
Ag	107	159	He	49.522	ppb	2.3	108138.67	0.6170	Pulse	0.1000	3
Cd	111	159	He	49.202	ppb	1.9	10305.95	0.0588	Pulse	0.5000	3
Sn	120	159	He	50.327	ppb	2.3	30124.48	0.1719	Pulse	0.1000	3
Sb	121	159	He	49.945	ppb	1.3	22573.04	0.1288	Pulse	0.1000	3
Ba	137	159	He	495.697	ppb	2.8	78136.18	0.4458	Pulse	0.1000	3
Tl	205	159	He	50.079	ppb	1.0	278034.64	1.5863	Pulse	0.1000	3
Pb	208	159	He	49.988	ppb	1.2	193345.12	1.1031	Pulse	0.1000	3
U	238	209	He	49.670	ppb	1.7	447289.55	3.3011	Pulse	0.1000	3

ISTD Table:

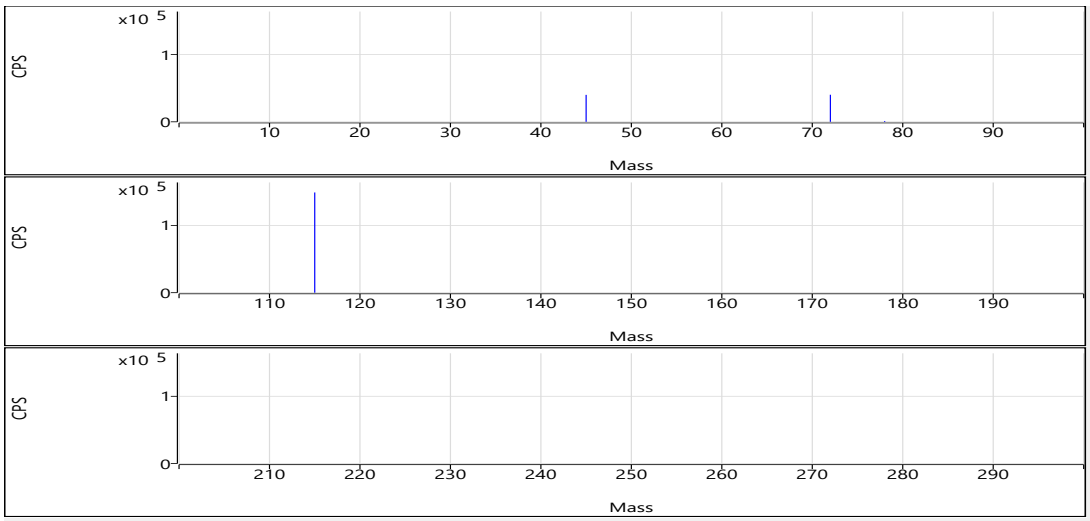
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1016403.65	0.5	97.2	Analog	0.1000	3
No Gas	Ge	72	581444.49	1.0	96.7	Pulse	0.1000	3
H2	Sc	45	40004.25	1.4	94.6	Pulse	0.1000	3
H2	Ge	72	40178.80	2.4	91.6	Pulse	0.1000	3
H2	In	115	148761.25	0.2	98.7	Pulse	0.1000	3
He	Sc	45	10771.12	3.8	94.3	Pulse	0.1000	3
He	Ge	72	24529.01	2.9	96.8	Pulse	0.1000	3
He	In	115	26723.95	1.0	97.9	Pulse	0.1000	3
He	Tb	159	175272.54	0.4	99.4	Pulse	0.1000	3
He	Bi	209	135532.40	2.4	100.5	Pulse	0.1000	3

No Gas

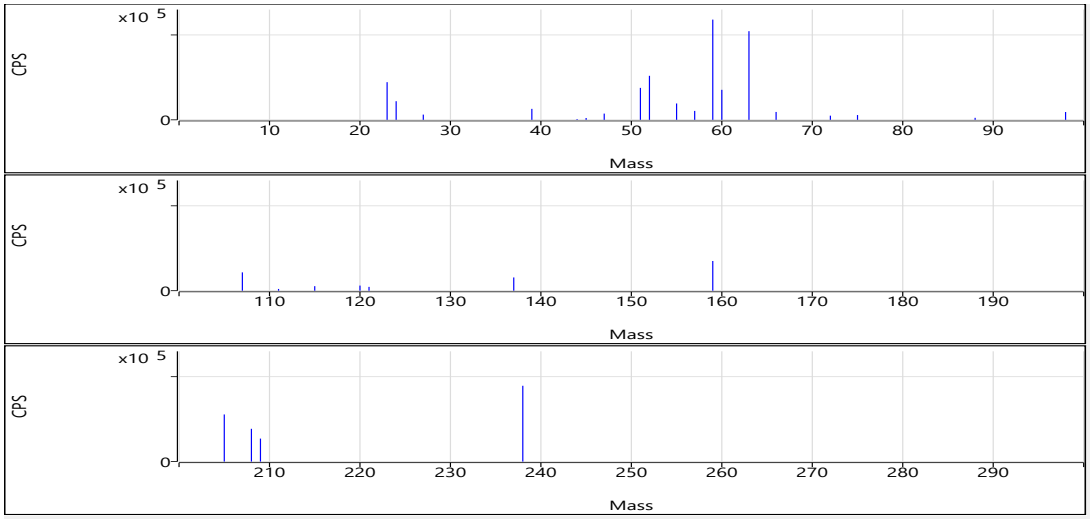


H2



Quantitation Report

He



Quantitation Report

Data File Name	200_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:18:43 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

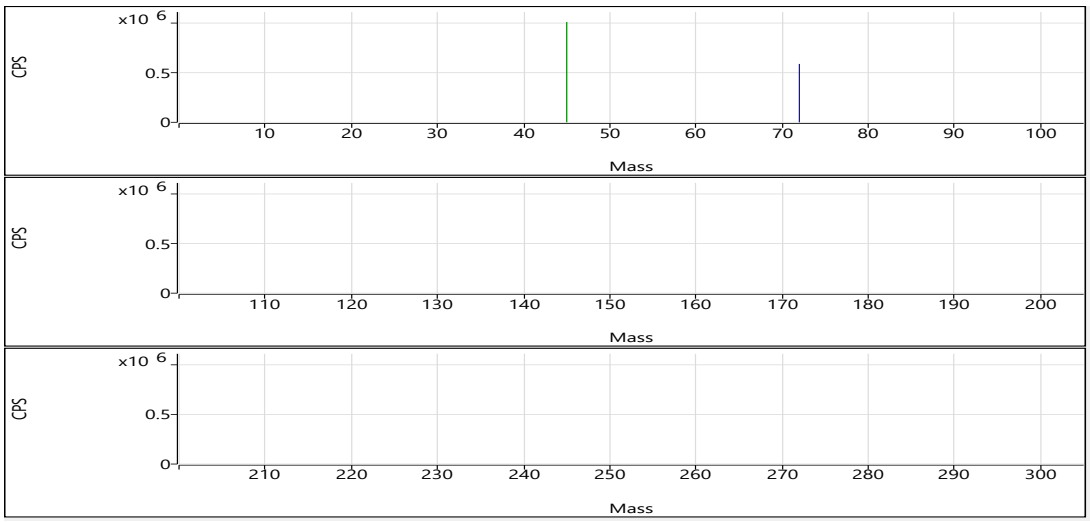
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.030	ppb	N/A	1.33	0.0000	Pulse	1.5000	3
Na	23	72	He	1.678	ug/L	144.0	5641.36	0.2264	Pulse	0.1000	3
Mg	24	72	He	5.273	ug/L	43.0	280.02	0.0112	Pulse	0.1000	3
Al	27	72	He	1.644	ug/L	183.9	56.67	0.0023	Pulse	0.1000	3
K	39	72	He	15.825	ppb	100.1	2196.91	0.0882	Pulse	0.1000	3
Ca	44	72	He	42.467	ppb	21.9	60.00	0.0024	Pulse	0.1000	3
Ti	47	159	He	0.946	ppb	224.5	13.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.070	ppb	47.8	142.00	0.0057	Pulse	0.5000	3
Cr	52	45	He	-0.100	ppb	N/A	430.02	0.0396	Pulse	0.1000	3
Mn	55	45	He	0.407	ppb	45.5	126.67	0.0117	Pulse	0.1000	3
Fe	57	72	He	1.050	ppb	151.7	100.00	0.0040	Pulse	0.1000	3
Co	59	72	He	-0.019	ppb	N/A	83.33	0.0034	Pulse	0.1000	3
Ni	60	72	He	0.027	ppb	317.2	160.01	0.0064	Pulse	0.1000	3
Cu	63	72	He	0.142	ppb	33.3	283.35	0.0114	Pulse	0.1000	3
Zn	66	72	He	-0.168	ppb	N/A	33.33	0.0013	Pulse	0.1000	3
As	75	45	He	-0.024	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.633	ppb	N/A	200.01	0.0012	Pulse	0.1000	3
Mo	98	159	He	0.034	ppb	139.7	90.00	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	250.7	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.306	ppb	N/A	1670.17	0.0097	Pulse	0.1000	3
Sb	121	159	He	0.031	ppb	84.5	26.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	-1.975	ppb	N/A	533.36	0.0031	Pulse	0.1000	3
Tl	205	159	He	-0.017	ppb	N/A	146.67	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.043	ppb	26.6	323.35	0.0019	Pulse	0.1000	3
U	238	209	He	0.005	ppb	135.5	216.68	0.0016	Pulse	0.1000	3

ISTD Table:

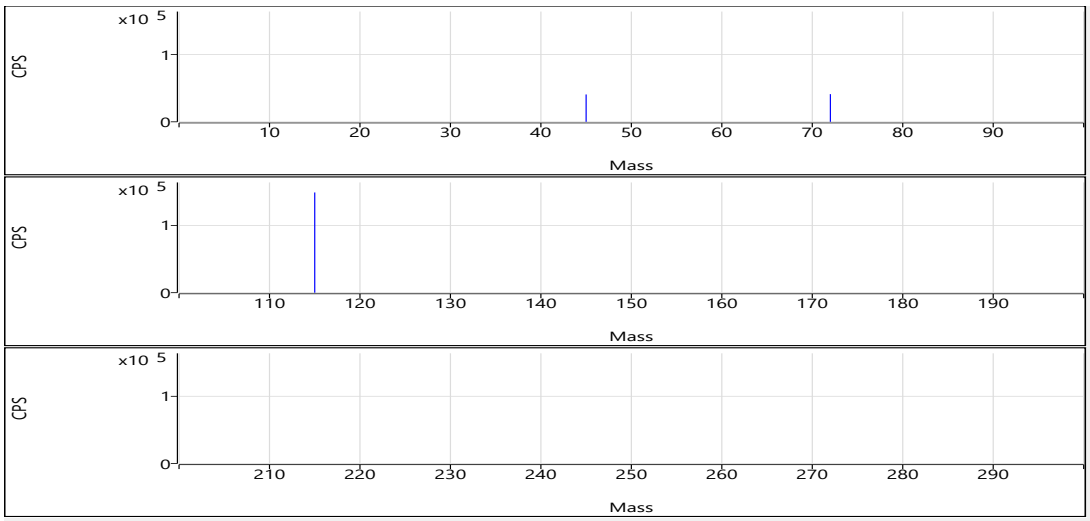
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1010316.81	0.5	96.6	Analog	0.1000	3
No Gas	Ge	72	588418.51	0.5	97.9	Pulse	0.1000	3
H2	Sc	45	40602.65	1.4	96.1	Pulse	0.1000	3
H2	Ge	72	41088.30	1.2	93.7	Pulse	0.1000	3
H2	In	115	148752.41	1.0	98.7	Pulse	0.1000	3
He	Sc	45	10887.85	2.9	95.3	Pulse	0.1000	3
He	Ge	72	24923.16	3.2	98.4	Pulse	0.1000	3
He	In	115	27168.07	2.6	99.5	Pulse	0.1000	3
He	Tb	159	172950.02	0.5	98.1	Pulse	0.1000	3
He	Bi	209	136091.92	0.7	100.9	Pulse	0.1000	3

No Gas

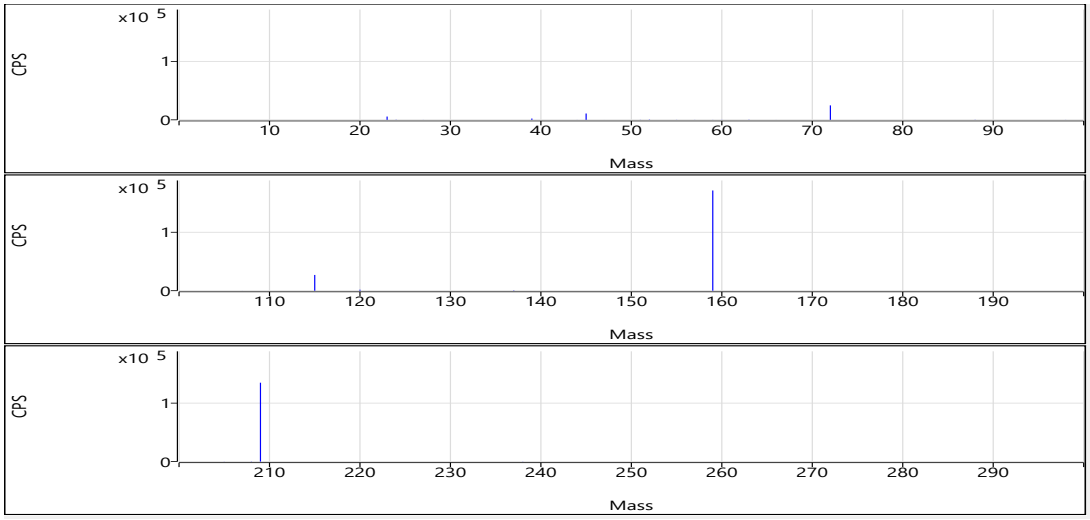


H2



Quantitation Report

He



Quantitation Report

Data File Name	201SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:20:45 PM
Sample Name	410-234898-K-4-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

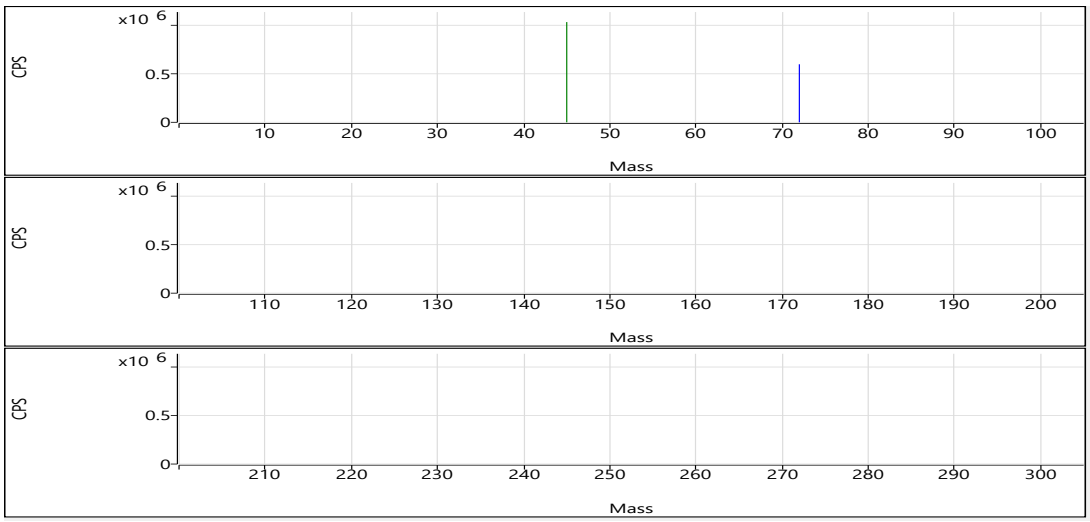
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.008	ug/L	N/A	21.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.048	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	6842.743	ug/L	1.1	316268.26	12.6417	Pulse	0.1000	3
Mg	24	72	He	33717.554	ug/L	0.9	785559.23	31.3974	Mix	0.1000	3
Al	27	72	He	-0.983	ug/L	N/A	40.00	0.0016	Pulse	0.1000	3
K	39	72	He	2494.328	ppb	2.5	34926.78	1.3961	Pulse	0.1000	3
Ca	44	72	He	89849.017	ppb	1.8	78347.86	3.1318	Pulse	0.1000	3
Ti	47	159	He	-0.448	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.023	ppb	174.1	124.00	0.0050	Pulse	0.5000	3
Cr	52	45	He	-0.058	ppb	N/A	463.36	0.0416	Pulse	0.1000	3
Mn	55	45	He	2544.754	ppb	2.4	496739.43	44.5277	Pulse	0.1000	3
Fe	57	72	He	7092.346	ppb	1.6	78694.52	3.1456	Pulse	0.1000	3
Co	59	72	He	10.964	ppb	3.5	14150.92	0.5657	Pulse	0.1000	3
Ni	60	72	He	10.018	ppb	5.1	3810.67	0.1524	Pulse	0.1000	3
Cu	63	72	He	0.223	ppb	4.1	373.35	0.0149	Pulse	0.1000	3
Zn	66	72	He	6.018	ppb	6.3	633.38	0.0253	Pulse	0.1000	3
As	75	45	He	4.801	ppb	3.0	280.00	0.0251	Pulse	0.5000	3
Sr	88	159	He	89.997	ppb	2.3	22158.64	0.1249	Pulse	0.1000	3
Mo	98	159	He	0.610	ppb	7.0	626.70	0.0035	Pulse	0.1000	3
Ag	107	159	He	-0.006	ppb	N/A	16.67	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.025	ppb	59.2	8.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.909	ppb	N/A	1370.13	0.0077	Pulse	0.1000	3
Sb	121	159	He	0.007	ppb	620.3	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	356.559	ppb	3.2	57119.84	0.3220	Pulse	0.1000	3
Tl	205	159	He	0.030	ppb	44.2	413.36	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.046	ppb	14.6	343.35	0.0019	Pulse	0.1000	3
U	238	209	He	0.590	ppb	3.3	5528.10	0.0404	Pulse	0.1000	3

ISTD Table:

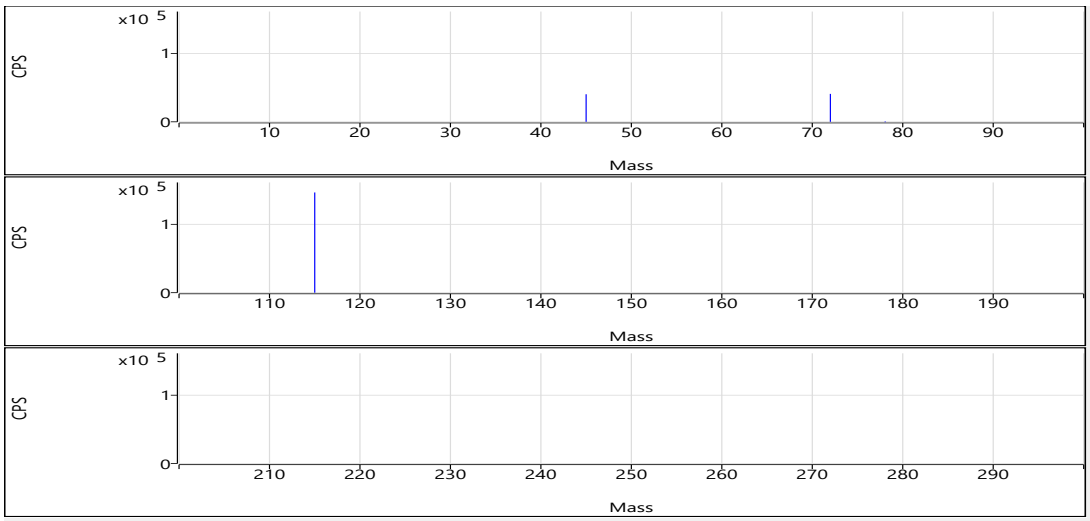
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1036893.19	0.4	99.2	Analog	0.1000	3
No Gas	Ge	72	600184.48	1.1	99.8	Pulse	0.1000	3
H2	Sc	45	40161.23	1.6	95.0	Pulse	0.1000	3
H2	Ge	72	40713.75	0.4	92.8	Pulse	0.1000	3
H2	In	115	146069.84	0.4	96.9	Pulse	0.1000	3
He	Sc	45	11161.47	3.3	97.7	Pulse	0.1000	3
He	Ge	72	25019.74	1.1	98.8	Pulse	0.1000	3
He	In	115	26807.37	3.3	98.2	Pulse	0.1000	3
He	Tb	159	177421.72	1.6	100.6	Pulse	0.1000	3
He	Bi	209	136702.23	0.2	101.4	Pulse	0.1000	3

No Gas

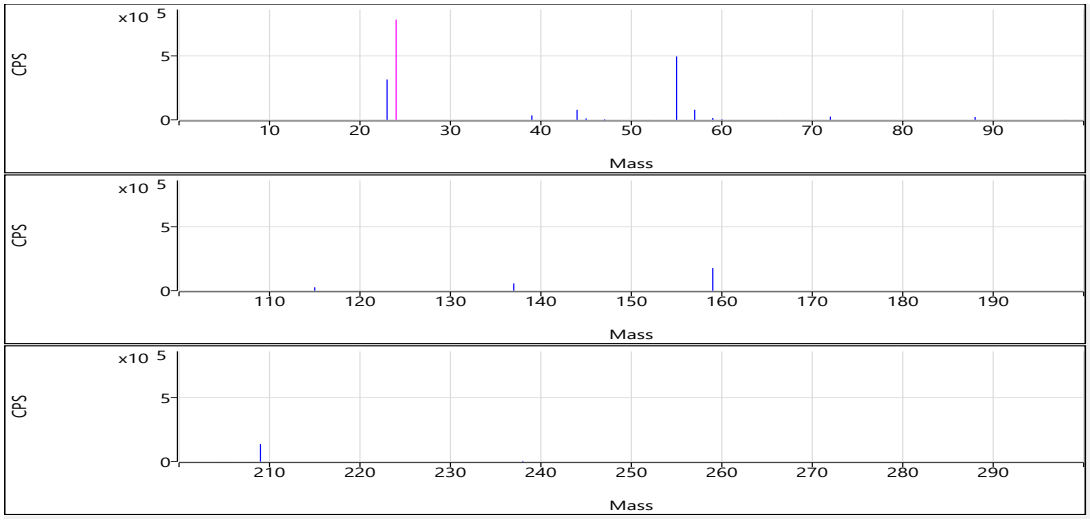


H2



Quantitation Report

He



US EPA Tune Check Report

Operator Name	ETUS023_USR_INS00061
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12A00.b
Acq. Date-Time	8/12/2025 7:53:37 AM
Report Comment	E10 Tune Report
Instrument Name	G8422A SG24451611

[No Gas]

Sensitivity

Mass	Conc. [ug/L]	Count	CPS	Resp (Required) [cps/(ug/L)]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	1797	17968.18			1.007	5.000
24	10.00	11870	118698.25			3.773	5.000
25	10.00	1644	16443.47			3.804	5.000
26	10.00	1924	19242.52			3.625	5.000
59	10.00	23950	239504.75			0.488	5.000
115	10.00	48721	487208.98			0.421	5.000
206	10.00	14171	141707.83			0.404	5.000
207	10.00	11765	117652.38			0.202	5.000
208	10.00	28953	289527.11			0.298	5.000

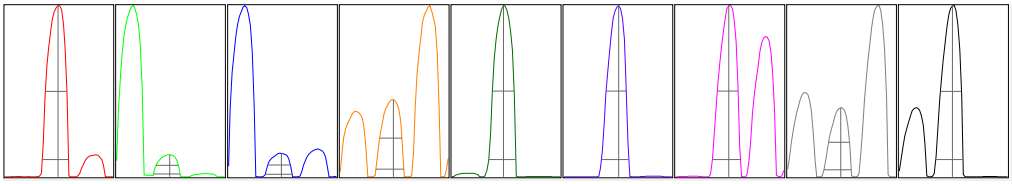
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	1813	1818	1794	1781	1778
24	12336	12196	11976	11598	11243
25	1706	1698	1653	1605	1559
26	2004	1973	1930	1885	1829
59	24074	24019	23928	23966	23766
115	48660	48918	48948	48478	48599
206	14156	14209	14250	14118	14122
207	11779	11790	11730	11752	11775
208	29004	28981	29023	28807	28949

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	3234.49	9.00	8.90 - 9.10	
24	20528.05	24.00	23.90 - 24.10	
25	2803.02	25.00	24.90 - 25.10	
26	3312.62	26.00	25.90 - 26.10	
59	42695.84	58.95	58.90 - 59.10	
115	92004.66	115.05	114.90 - 115.10	
206	26040.82	206.00	205.90 - 206.10	
207	21330.01	207.00	206.90 - 207.10	
208	52863.55	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.59	0.718	0.900	
24	0.61	0.725	0.900	
25	0.62	0.735	0.900	
26	0.61	0.764	0.900	
59	0.59	0.739	0.900	
115	0.55	0.750	0.900	
206	0.57	0.775	0.900	
207	0.58	0.746	0.900	
208	0.57	0.750	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	235
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	1.09 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	11.7 V	Deflect	16.8 V
Extract 2	-210.0 V	Cell Entrance	-40 V	Plate Bias	-50 V
Omega Bias	-95 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.5 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	190 V		

QP Parameters

Mass Gain	125	Axis Gain	0.9994	QP Bias	-2.5 V
Mass Offset	126	Axis Offset	-0.01		

Hardware Settings

Torch

Torch H	-0.2 mm	Torch V	0.0 mm		

EM

Discriminator	2.5 mV	Analog HV	2145 V	Pulse HV	1000 V

Quantitation Report

Data File Name	202SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:22:45 PM
Sample Name	410-234898-B-4-A DU
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

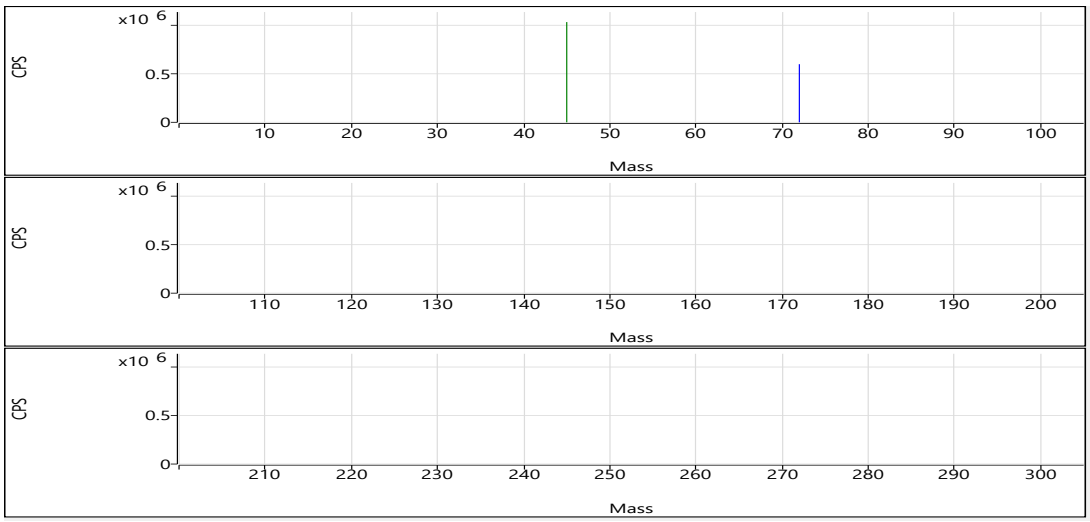
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.016	ug/L	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	6962.656	ug/L	2.5	321398.57	12.8593	Pulse	0.1000	3
Mg	24	72	He	34860.115	ug/L	2.7	811259.52	32.4612	Analog	0.1000	3
Al	27	72	He	-2.518	ug/L	N/A	30.00	0.0012	Pulse	0.1000	3
K	39	72	He	2576.027	ppb	1.1	35979.76	1.4392	Pulse	0.1000	3
Ca	44	72	He	91306.835	ppb	2.3	79544.10	3.1826	Pulse	0.1000	3
Ti	47	159	He	-0.445	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.082	ppb	30.8	147.33	0.0059	Pulse	0.5000	3
Cr	52	45	He	-0.082	ppb	N/A	436.69	0.0404	Pulse	0.1000	3
Mn	55	45	He	2676.806	ppb	0.7	505881.49	46.8381	Pulse	0.1000	3
Fe	57	72	He	7180.094	ppb	3.4	79578.86	3.1845	Pulse	0.1000	3
Co	59	72	He	11.406	ppb	5.1	14698.20	0.5883	Pulse	0.1000	3
Ni	60	72	He	9.931	ppb	6.0	3780.65	0.1511	Pulse	0.1000	3
Cu	63	72	He	0.310	ppb	6.5	466.70	0.0187	Pulse	0.1000	3
Zn	66	72	He	6.069	ppb	12.1	636.71	0.0255	Pulse	0.1000	3
As	75	45	He	4.619	ppb	11.5	261.34	0.0242	Pulse	0.5000	3
Sr	88	159	He	90.388	ppb	2.3	21954.91	0.1255	Pulse	0.1000	3
Mo	98	159	He	0.521	ppb	15.2	536.70	0.0031	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	222.9	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.013	ppb	N/A	0.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.675	ppb	N/A	1483.47	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.015	ppb	148.3	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	366.486	ppb	1.0	57909.93	0.3309	Pulse	0.1000	3
Tl	205	159	He	0.033	ppb	39.6	423.36	0.0024	Pulse	0.1000	3
Pb	208	159	He	0.069	ppb	51.1	430.02	0.0025	Pulse	0.1000	3
U	238	209	He	0.587	ppb	8.4	5404.71	0.0402	Pulse	0.1000	3

ISTD Table:

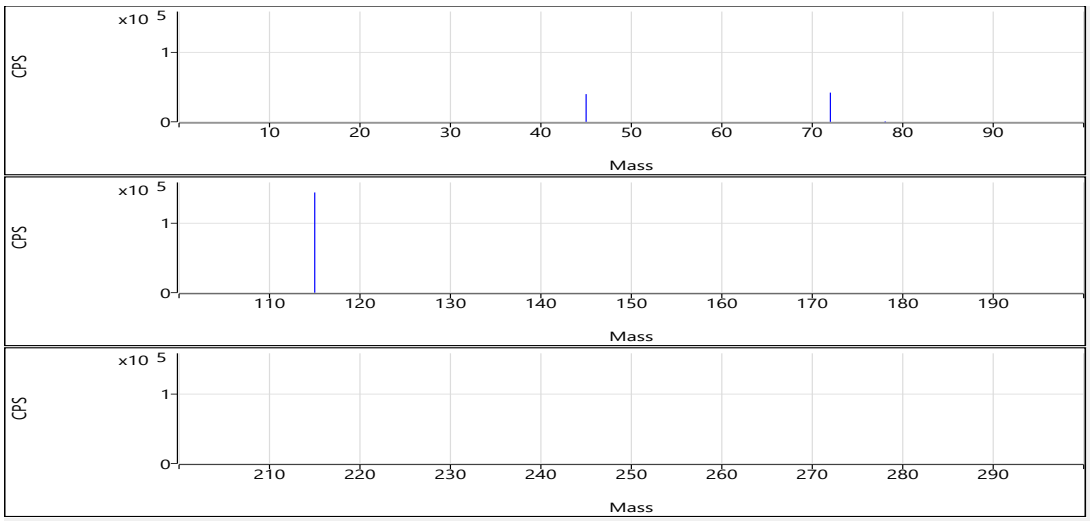
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1029547.77	0.7	98.5	Analog	0.1000	3
No Gas	Ge	72	596723.54	0.0	99.2	Pulse	0.1000	3
H2	Sc	45	40024.47	3.9	94.7	Pulse	0.1000	3
H2	Ge	72	42181.37	0.7	96.2	Pulse	0.1000	3
H2	In	115	144829.60	0.6	96.1	Pulse	0.1000	3
He	Sc	45	10801.16	1.2	94.6	Pulse	0.1000	3
He	Ge	72	25003.18	2.5	98.7	Pulse	0.1000	3
He	In	115	26463.26	3.4	97.0	Pulse	0.1000	3
He	Tb	159	175016.15	0.7	99.2	Pulse	0.1000	3
He	Bi	209	134258.71	0.8	99.6	Pulse	0.1000	3

No Gas

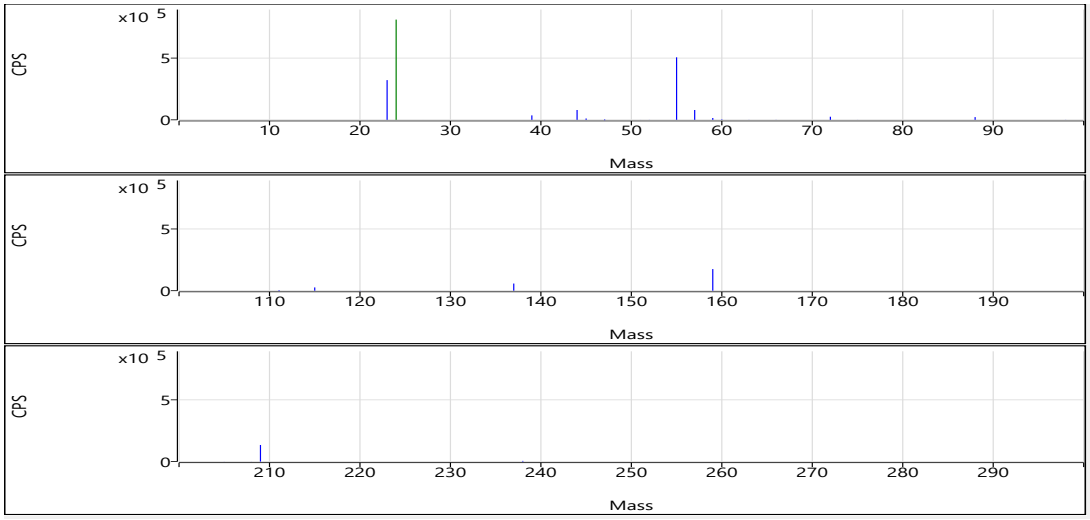


H2



Quantitation Report

He



Quantitation Report

Data File Name	203SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:24:46 PM
Sample Name	410-234898-K-4-B MS
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

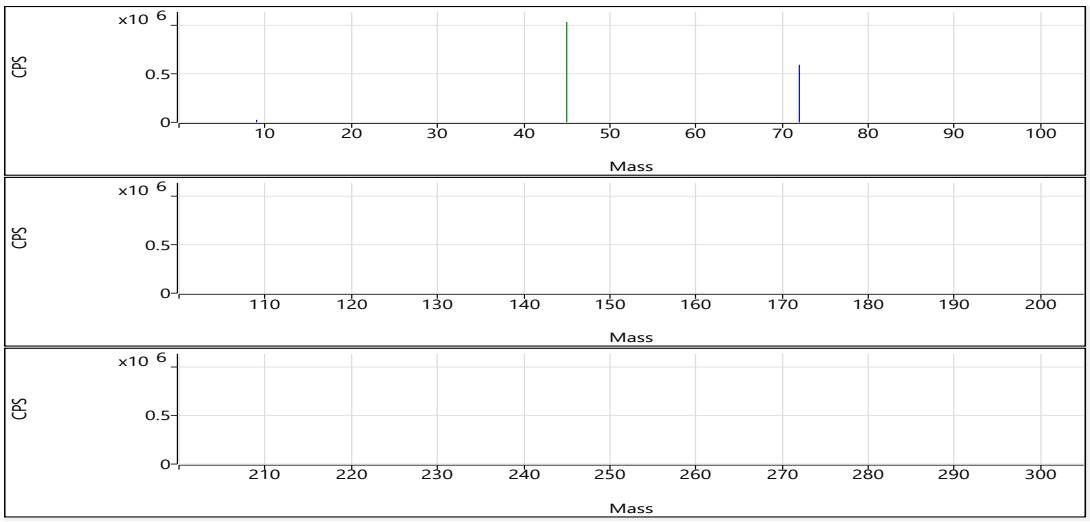
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.054	ug/L	2.4	24960.77	0.0242	Pulse	0.5000	3
Se	78	72	H2	98.005	ppb	1.6	2506.68	0.0592	Pulse	1.5000	3
Na	23	72	He	12082.032	ug/L	2.4	545494.68	22.1501	Pulse	0.1000	3
Mg	24	72	He	40212.947	ug/L	2.1	922203.69	37.4447	Analog	0.1000	3
Al	27	72	He	4748.592	ug/L	0.8	29815.15	1.2102	Pulse	0.1000	3
K	39	72	He	7348.425	ppb	1.5	97477.15	3.9576	Pulse	0.1000	3
Ca	44	72	He	96509.988	ppb	0.7	82866.33	3.3639	Pulse	0.1000	3
Ti	47	159	He	496.359	ppb	6.5	3687.27	0.0208	Pulse	0.1000	3
V	51	72	He	483.096	ppb	1.8	187007.26	7.5929	Pulse	0.5000	3
Cr	52	45	He	502.573	ppb	5.0	257096.82	23.4762	Pulse	0.1000	3
Mn	55	45	He	3246.516	ppb	4.6	622181.29	56.8058	Pulse	0.1000	3
Fe	57	72	He	12406.779	ppb	1.8	135473.09	5.5000	Pulse	0.1000	3
Co	59	72	He	469.518	ppb	2.1	592158.73	24.0433	Pulse	0.1000	3
Ni	60	72	He	485.824	ppb	2.2	174894.53	7.1014	Pulse	0.1000	3
Cu	63	72	He	478.775	ppb	2.7	510572.36	20.7331	Pulse	0.1000	3
Zn	66	72	He	483.603	ppb	1.5	46244.04	1.8774	Pulse	0.1000	3
As	75	45	He	529.267	ppb	4.2	29209.97	2.6667	Pulse	0.5000	3
Sr	88	159	He	138.556	ppb	1.4	33882.66	0.1912	Pulse	0.1000	3
Mo	98	159	He	49.506	ppb	0.6	45954.97	0.2594	Pulse	0.1000	3
Ag	107	159	He	48.826	ppb	1.1	107786.12	0.6083	Pulse	0.1000	3
Cd	111	159	He	49.301	ppb	2.1	10438.73	0.0589	Pulse	0.5000	3
Sn	120	159	He	96.000	ppb	1.7	56378.94	0.3182	Pulse	0.1000	3
Sb	121	159	He	96.654	ppb	0.3	44146.56	0.2492	Pulse	0.1000	3
Ba	137	159	He	847.248	ppb	0.9	134406.22	0.7586	Pulse	0.1000	3
Tl	205	159	He	97.403	ppb	0.7	546425.72	3.0840	Pulse	0.1000	3
Pb	208	159	He	49.065	ppb	1.7	191841.45	1.0827	Pulse	0.1000	3
U	238	209	He	50.471	ppb	0.6	449412.95	3.3543	Pulse	0.1000	3

ISTD Table:

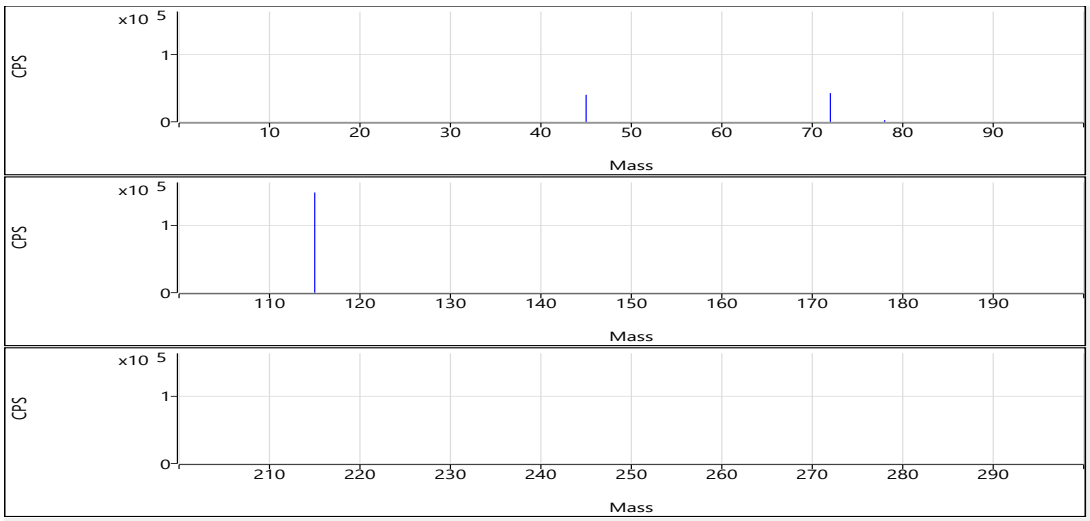
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030163.06	0.5	98.5	Analog	0.1000	3
No Gas	Ge	72	591341.16	0.5	98.3	Pulse	0.1000	3
H2	Sc	45	39897.12	2.8	94.4	Pulse	0.1000	3
H2	Ge	72	42335.54	2.2	96.5	Pulse	0.1000	3
H2	In	115	148041.59	2.1	98.2	Pulse	0.1000	3
He	Sc	45	10964.57	3.6	96.0	Pulse	0.1000	3
He	Ge	72	24635.89	2.3	97.3	Pulse	0.1000	3
He	In	115	27214.89	1.5	99.7	Pulse	0.1000	3
He	Tb	159	177179.92	0.4	100.5	Pulse	0.1000	3
He	Bi	209	133988.73	1.6	99.4	Pulse	0.1000	3

No Gas

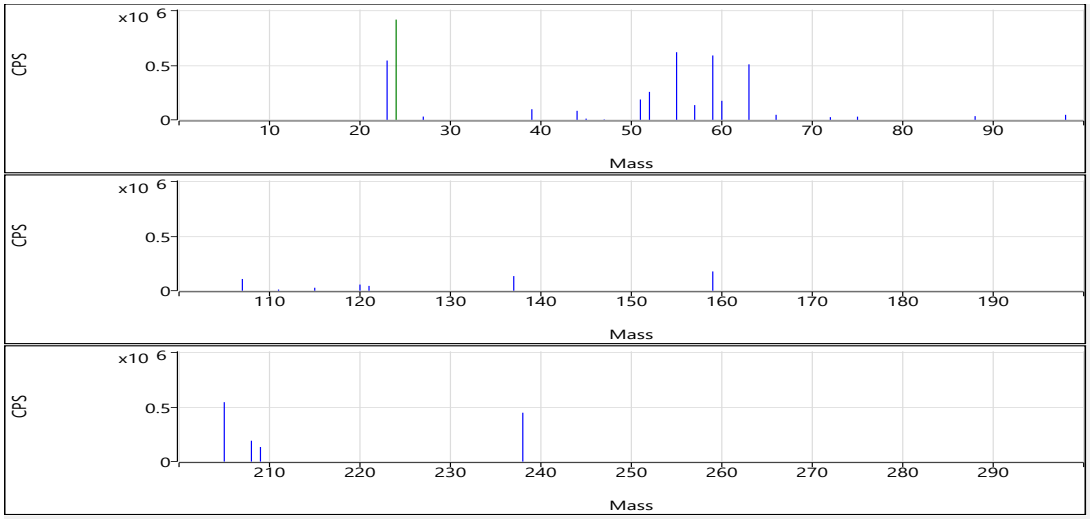


H2



Quantitation Report

He



Quantitation Report

Data File Name	204SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:26:46 PM
Sample Name	410-234898-K-4-C MSD
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

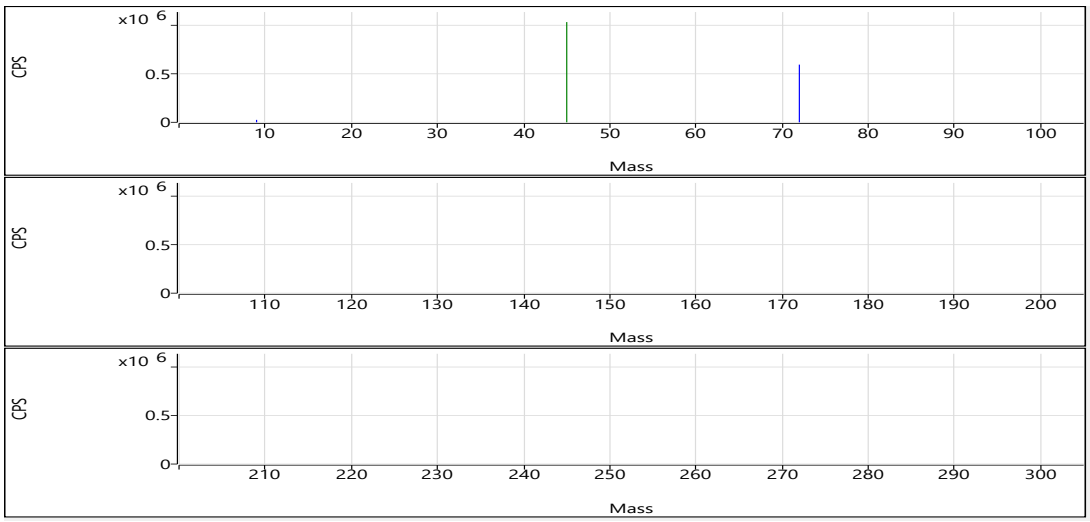
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.720	ug/L	1.9	24859.93	0.0241	Pulse	0.5000	3
Se	78	72	H2	97.657	ppb	2.2	2516.90	0.0590	Pulse	1.5000	3
Na	23	72	He	11636.662	ug/L	2.8	530000.37	21.3418	Pulse	0.1000	3
Mg	24	72	He	39389.347	ug/L	3.3	910767.28	36.6779	Analog	0.1000	3
Al	27	72	He	4713.333	ug/L	2.6	29831.91	1.2012	Pulse	0.1000	3
K	39	72	He	7333.436	ppb	2.5	98105.18	3.9496	Pulse	0.1000	3
Ca	44	72	He	95356.307	ppb	4.1	82520.72	3.3237	Pulse	0.1000	3
Ti	47	159	He	531.372	ppb	5.6	3957.39	0.0223	Pulse	0.1000	3
V	51	72	He	475.121	ppb	3.4	185428.79	7.4677	Pulse	0.5000	3
Cr	52	45	He	485.927	ppb	2.0	258388.76	22.7001	Pulse	0.1000	3
Mn	55	45	He	3057.328	ppb	1.1	608974.42	53.4958	Pulse	0.1000	3
Fe	57	72	He	11937.186	ppb	3.3	131408.77	5.2920	Pulse	0.1000	3
Co	59	72	He	459.472	ppb	3.3	584257.80	23.5289	Pulse	0.1000	3
Ni	60	72	He	473.278	ppb	2.6	171817.88	6.9181	Pulse	0.1000	3
Cu	63	72	He	471.303	ppb	3.6	506773.56	20.4096	Pulse	0.1000	3
Zn	66	72	He	474.355	ppb	2.6	45735.95	1.8416	Pulse	0.1000	3
As	75	45	He	502.831	ppb	1.1	28841.24	2.5336	Pulse	0.5000	3
Sr	88	159	He	136.821	ppb	1.1	33531.64	0.1889	Pulse	0.1000	3
Mo	98	159	He	48.965	ppb	2.1	45543.39	0.2565	Pulse	0.1000	3
Ag	107	159	He	48.723	ppb	2.5	107759.11	0.6070	Pulse	0.1000	3
Cd	111	159	He	47.506	ppb	2.9	10078.46	0.0568	Pulse	0.5000	3
Sn	120	159	He	95.517	ppb	1.6	56221.54	0.3167	Pulse	0.1000	3
Sb	121	159	He	96.822	ppb	1.9	44310.31	0.2496	Pulse	0.1000	3
Ba	137	159	He	844.549	ppb	0.9	134251.14	0.7562	Pulse	0.1000	3
Tl	205	159	He	97.526	ppb	1.4	548239.84	3.0878	Pulse	0.1000	3
Pb	208	159	He	49.290	ppb	0.8	193108.34	1.0877	Pulse	0.1000	3
U	238	209	He	49.850	ppb	1.3	447979.47	3.3131	Pulse	0.1000	3

ISTD Table:

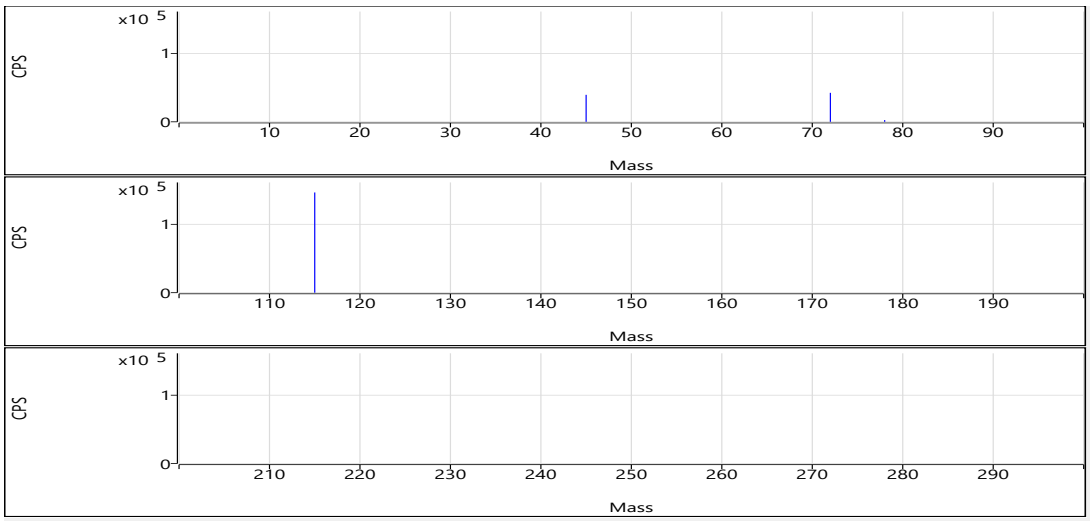
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1033149.07	0.3	98.8	Analog	0.1000	3
No Gas	Ge	72	594427.28	0.3	98.9	Pulse	0.1000	3
H2	Sc	45	39713.23	0.3	94.0	Pulse	0.1000	3
H2	Ge	72	42649.81	0.1	97.2	Pulse	0.1000	3
H2	In	115	147474.16	0.3	97.9	Pulse	0.1000	3
He	Sc	45	11384.97	1.7	99.7	Pulse	0.1000	3
He	Ge	72	24846.28	2.7	98.1	Pulse	0.1000	3
He	In	115	26920.83	1.6	98.6	Pulse	0.1000	3
He	Tb	159	177550.42	1.1	100.7	Pulse	0.1000	3
He	Bi	209	135224.79	1.0	100.3	Pulse	0.1000	3

No Gas

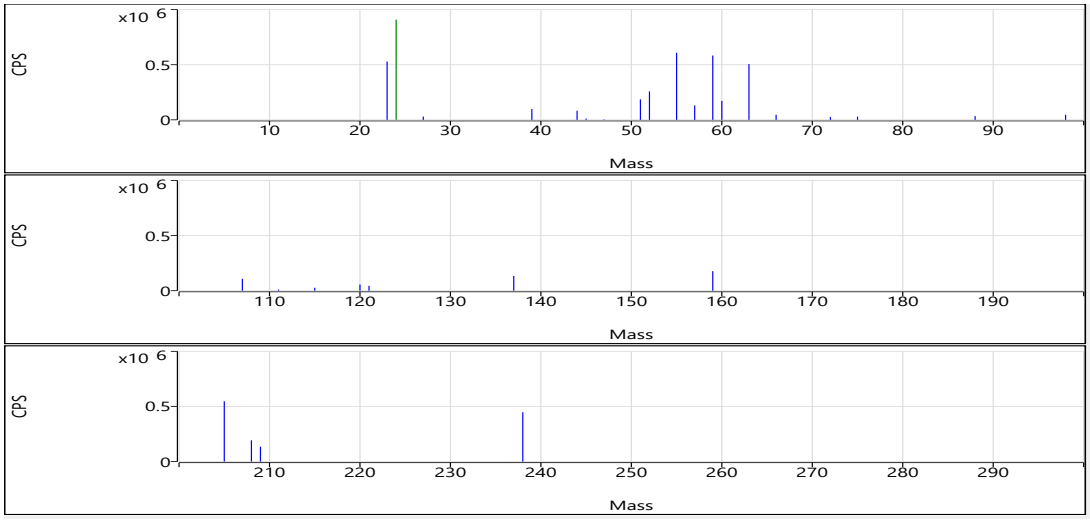


H2



Quantitation Report

He



Quantitation Report

Data File Name	205SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:28:47 PM
Sample Name	410-234898-M-3-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

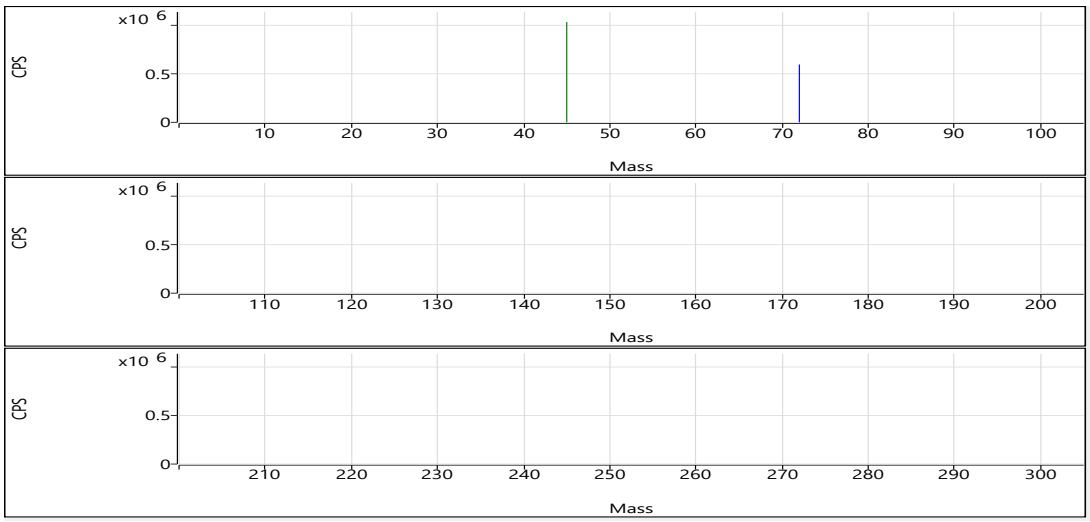
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.010	ug/L	231.2	30.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.014	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	5061.884	ug/L	1.1	230194.08	9.4097	Pulse	0.1000	3
Mg	24	72	He	41989.885	ug/L	0.9	956500.22	39.0990	Analog	0.1000	3
Al	27	72	He	-2.978	ug/L	N/A	26.67	0.0011	Pulse	0.1000	3
K	39	72	He	3235.350	ppb	0.5	43721.60	1.7871	Pulse	0.1000	3
Ca	44	72	He	116299.764	ppb	1.6	99172.95	4.0535	Pulse	0.1000	3
Ti	47	159	He	2.257	ppb	68.3	23.33	0.0001	Pulse	0.1000	3
V	51	72	He	0.101	ppb	15.6	151.33	0.0062	Pulse	0.5000	3
Cr	52	45	He	-0.118	ppb	N/A	433.35	0.0388	Pulse	0.1000	3
Mn	55	45	He	425.562	ppb	4.4	83739.87	7.4502	Pulse	0.1000	3
Fe	57	72	He	2086.344	ppb	2.9	22695.64	0.9278	Pulse	0.1000	3
Co	59	72	He	4.552	ppb	1.7	5808.07	0.2374	Pulse	0.1000	3
Ni	60	72	He	11.470	ppb	6.0	4244.13	0.1736	Pulse	0.1000	3
Cu	63	72	He	0.405	ppb	16.9	556.70	0.0228	Pulse	0.1000	3
Zn	66	72	He	1.562	ppb	20.0	196.68	0.0080	Pulse	0.1000	3
As	75	45	He	2.464	ppb	16.7	149.33	0.0133	Pulse	0.5000	3
Sr	88	159	He	80.194	ppb	2.9	19591.28	0.1115	Pulse	0.1000	3
Mo	98	159	He	0.102	ppb	4.9	153.34	0.0009	Pulse	0.1000	3
Ag	107	159	He	0.047	ppb	52.3	133.34	0.0008	Pulse	0.1000	3
Cd	111	159	He	0.010	ppb	54.7	5.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.323	ppb	N/A	1686.83	0.0096	Pulse	0.1000	3
Sb	121	159	He	0.081	ppb	53.6	50.00	0.0003	Pulse	0.1000	3
Ba	137	159	He	577.029	ppb	2.7	91017.13	0.5182	Pulse	0.1000	3
Tl	205	159	He	0.122	ppb	13.7	920.07	0.0052	Pulse	0.1000	3
Pb	208	159	He	0.076	ppb	18.3	456.69	0.0026	Pulse	0.1000	3
U	238	209	He	1.024	ppb	5.3	9337.14	0.0693	Pulse	0.1000	3

ISTD Table:

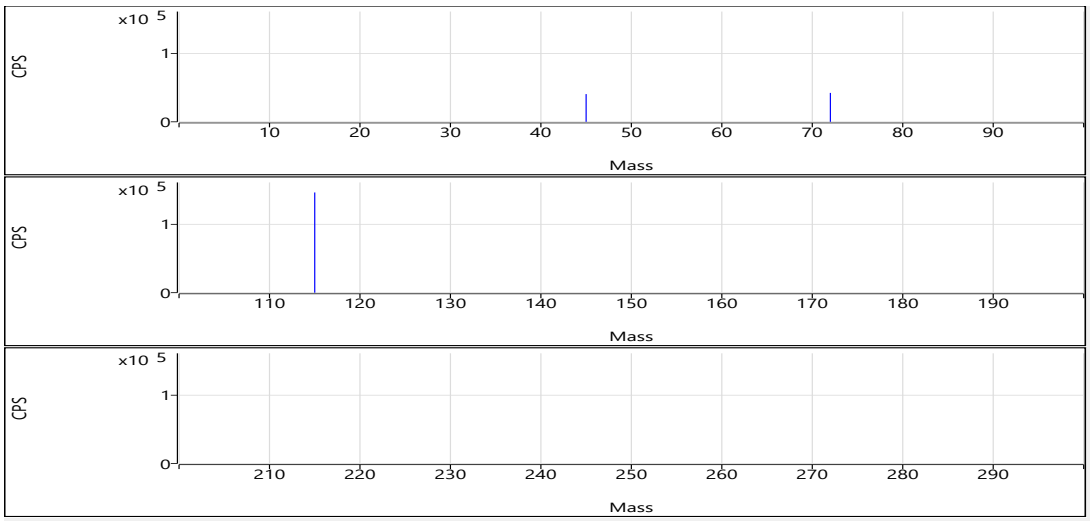
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1030881.83	0.4	98.6	Analog	0.1000	3
No Gas	Ge	72	594687.70	0.6	98.9	Pulse	0.1000	3
H2	Sc	45	40365.23	0.2	95.5	Pulse	0.1000	3
H2	Ge	72	42091.81	1.1	95.9	Pulse	0.1000	3
H2	In	115	145941.77	1.0	96.8	Pulse	0.1000	3
He	Sc	45	11254.86	4.6	98.5	Pulse	0.1000	3
He	Ge	72	24465.58	1.4	96.6	Pulse	0.1000	3
He	In	115	26379.92	1.5	96.6	Pulse	0.1000	3
He	Tb	159	175684.71	1.3	99.6	Pulse	0.1000	3
He	Bi	209	134833.93	2.4	100.0	Pulse	0.1000	3

No Gas

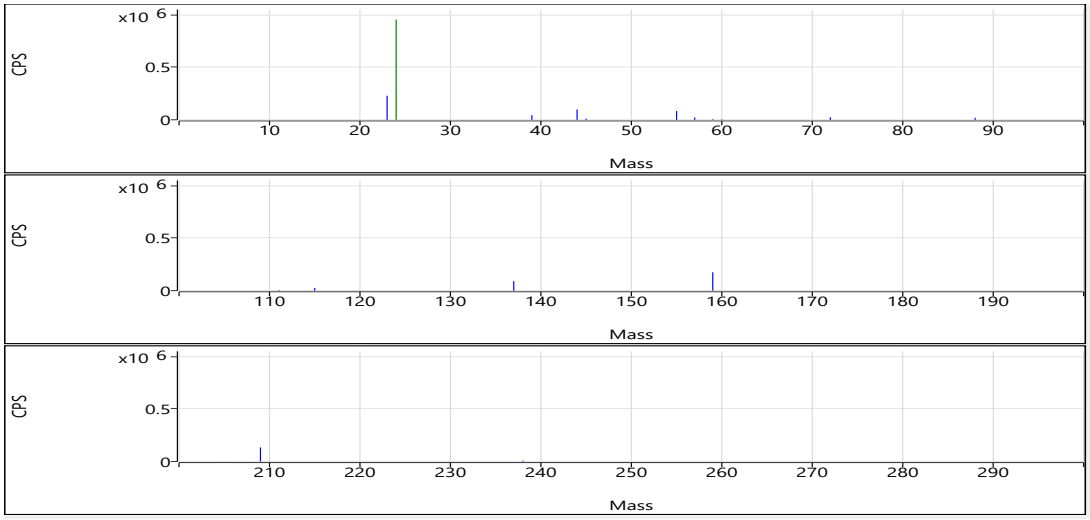


H2



Quantitation Report

He



Quantitation Report

Data File Name	206SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:30:48 PM
Sample Name	410-234898-G-9-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

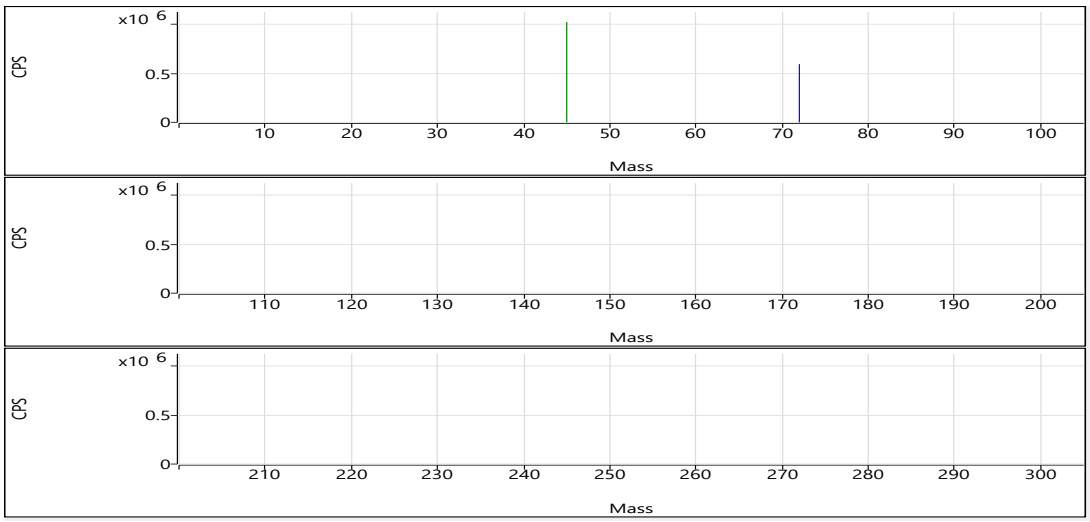
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.016	ug/L	N/A	17.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.515	ppb	6.3	14.89	0.0004	Pulse	1.5000	3
Na	23	72	He	3249.827	ug/L	1.7	147916.52	6.1212	Pulse	0.1000	3
Mg	24	72	He	25722.641	ug/L	1.5	578839.85	23.9542	Pulse	0.1000	3
Al	27	72	He	-2.861	ug/L	N/A	26.67	0.0011	Pulse	0.1000	3
K	39	72	He	1654.383	ppb	4.7	23019.37	0.9529	Pulse	0.1000	3
Ca	44	72	He	61103.684	ppb	3.2	51464.29	2.1301	Pulse	0.1000	3
Ti	47	159	He	-0.452	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.279	ppb	11.7	217.33	0.0090	Pulse	0.5000	3
Cr	52	45	He	0.485	ppb	19.7	733.38	0.0669	Pulse	0.1000	3
Mn	55	45	He	0.626	ppb	21.3	170.01	0.0155	Pulse	0.1000	3
Fe	57	72	He	10.379	ppb	21.7	196.68	0.0081	Pulse	0.1000	3
Co	59	72	He	0.042	ppb	90.9	156.68	0.0065	Pulse	0.1000	3
Ni	60	72	He	0.369	ppb	30.1	276.68	0.0114	Pulse	0.1000	3
Cu	63	72	He	0.290	ppb	6.7	430.02	0.0178	Pulse	0.1000	3
Zn	66	72	He	2.372	ppb	7.2	270.01	0.0112	Pulse	0.1000	3
As	75	45	He	0.159	ppb	90.3	18.67	0.0017	Pulse	0.5000	3
Sr	88	159	He	58.574	ppb	5.0	14314.48	0.0820	Pulse	0.1000	3
Mo	98	159	He	1.326	ppb	7.9	1270.11	0.0073	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	447.5	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.511	ppb	N/A	1570.16	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.015	ppb	146.2	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	156.673	ppb	2.2	25177.96	0.1442	Pulse	0.1000	3
Tl	205	159	He	0.030	ppb	28.4	406.69	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.078	ppb	7.7	460.03	0.0026	Pulse	0.1000	3
U	238	209	He	0.423	ppb	3.6	3927.43	0.0294	Pulse	0.1000	3

ISTD Table:

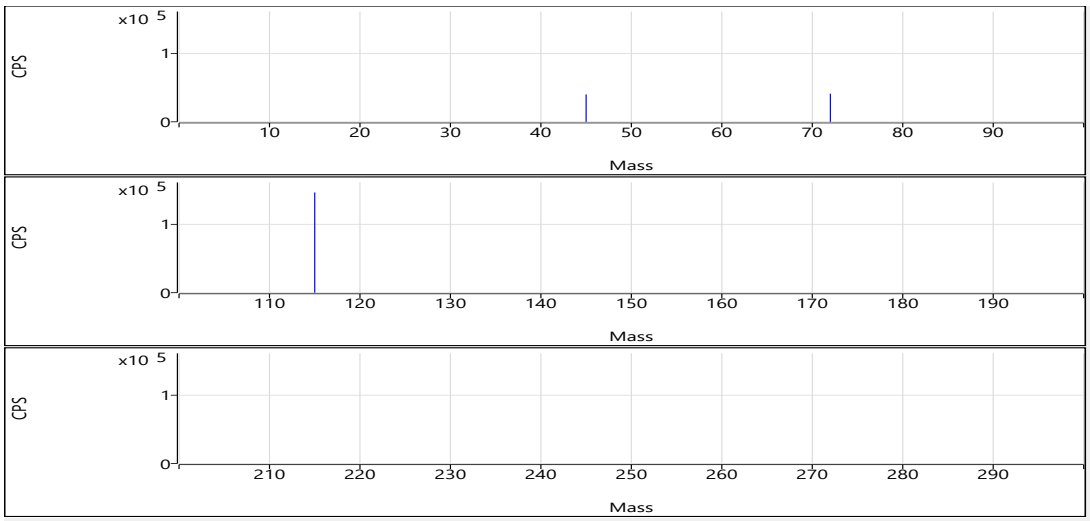
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1025822.46	0.5	98.1	Analog	0.1000	3
No Gas	Ge	72	595223.77	0.4	99.0	Pulse	0.1000	3
H2	Sc	45	40077.68	1.7	94.8	Pulse	0.1000	3
H2	Ge	72	41165.28	1.4	93.8	Pulse	0.1000	3
H2	In	115	146700.46	2.1	97.3	Pulse	0.1000	3
He	Sc	45	10961.24	4.6	96.0	Pulse	0.1000	3
He	Ge	72	24168.44	1.6	95.4	Pulse	0.1000	3
He	In	115	25972.47	0.7	95.2	Pulse	0.1000	3
He	Tb	159	174608.20	1.3	99.0	Pulse	0.1000	3
He	Bi	209	133743.38	1.2	99.2	Pulse	0.1000	3

No Gas

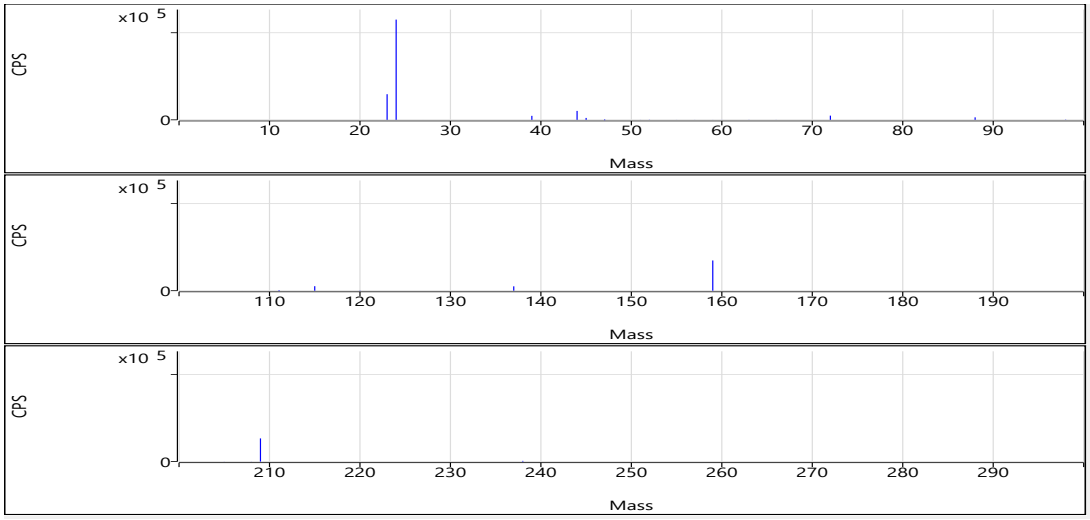


H2



Quantitation Report

He



Quantitation Report

Data File Name	207SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:32:50 PM
Sample Name	410-234898-M-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

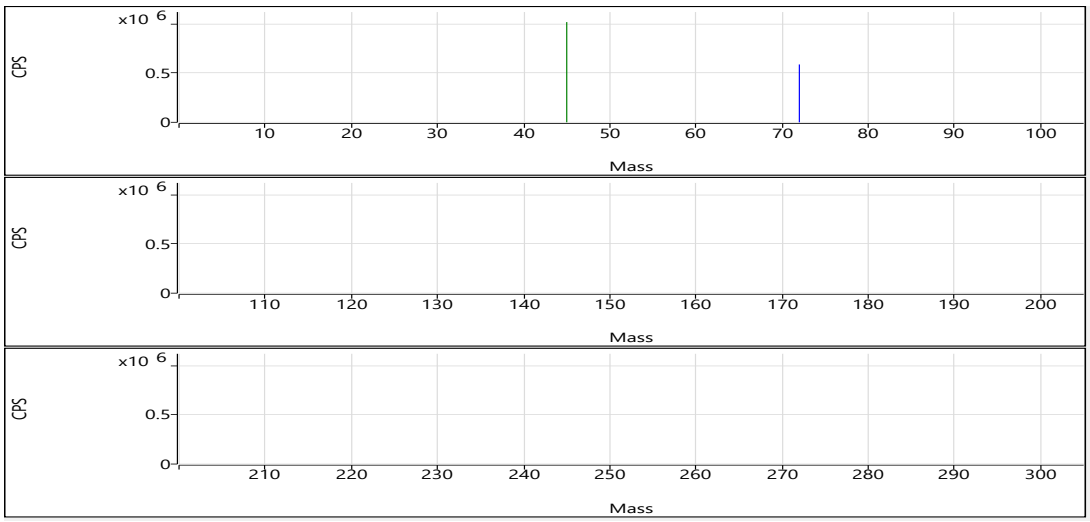
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	19.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.023	ppb	110.1	2.67	0.0001	Pulse	1.5000	3
Na	23	72	He	5246.209	ug/L	1.0	237916.58	9.7443	Pulse	0.1000	3
Mg	24	72	He	28832.711	ug/L	1.2	655493.72	26.8496	Pulse	0.1000	3
Al	27	72	He	4.553	ug/L	108.4	73.33	0.0030	Pulse	0.1000	3
K	39	72	He	3464.532	ppb	1.5	46583.99	1.9081	Pulse	0.1000	3
Ca	44	72	He	89399.268	ppb	2.6	76084.76	3.1161	Pulse	0.1000	3
Ti	47	159	He	-0.455	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.192	ppb	45.8	186.00	0.0076	Pulse	0.5000	3
Cr	52	45	He	-0.055	ppb	N/A	456.69	0.0417	Pulse	0.1000	3
Mn	55	45	He	84.849	ppb	2.8	16330.05	1.4891	Pulse	0.1000	3
Fe	57	72	He	28.105	ppb	27.7	390.02	0.0160	Pulse	0.1000	3
Co	59	72	He	0.363	ppb	4.9	560.03	0.0229	Pulse	0.1000	3
Ni	60	72	He	3.644	ppb	11.0	1446.80	0.0593	Pulse	0.1000	3
Cu	63	72	He	0.226	ppb	32.1	366.68	0.0150	Pulse	0.1000	3
Zn	66	72	He	1.429	ppb	24.5	183.34	0.0075	Pulse	0.1000	3
As	75	45	He	0.047	ppb	164.6	12.67	0.0012	Pulse	0.5000	3
Sr	88	159	He	47.905	ppb	4.2	11882.17	0.0674	Pulse	0.1000	3
Mo	98	159	He	-0.004	ppb	N/A	56.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.003	ppb	177.0	36.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.044	ppb	31.5	12.67	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.368	ppb	N/A	1666.84	0.0095	Pulse	0.1000	3
Sb	121	159	He	0.052	ppb	66.4	36.67	0.0002	Pulse	0.1000	3
Ba	137	159	He	182.441	ppb	1.2	29443.42	0.1671	Pulse	0.1000	3
Tl	205	159	He	0.003	ppb	362.5	260.01	0.0015	Pulse	0.1000	3
Pb	208	159	He	0.076	ppb	22.9	460.03	0.0026	Pulse	0.1000	3
U	238	209	He	0.227	ppb	6.8	2200.29	0.0163	Pulse	0.1000	3

ISTD Table:

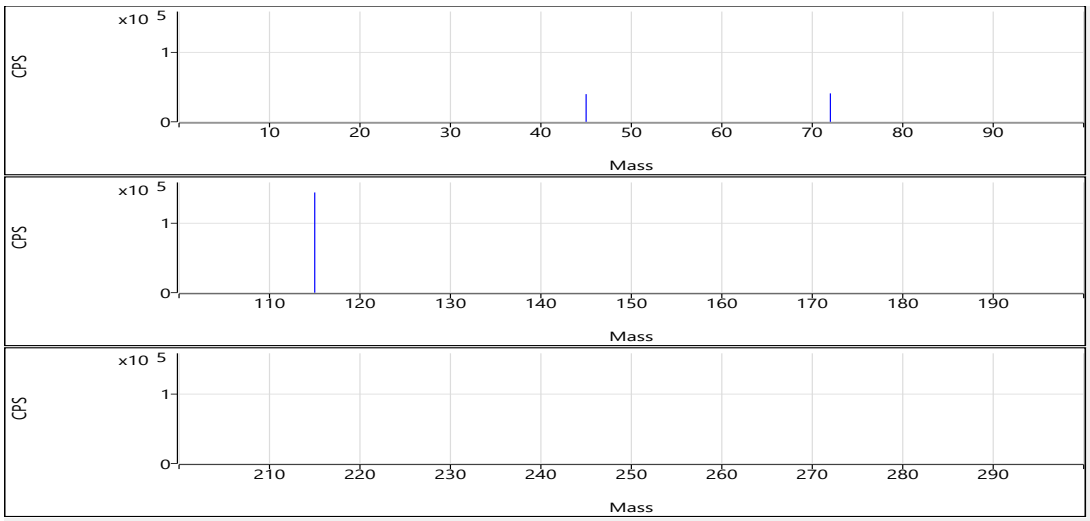
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1016978.79	1.0	97.3	Analog	0.1000	3
No Gas	Ge	72	586902.52	1.2	97.6	Pulse	0.1000	3
H2	Sc	45	40064.35	0.5	94.8	Pulse	0.1000	3
H2	Ge	72	41148.57	1.1	93.8	Pulse	0.1000	3
H2	In	115	145082.78	0.9	96.3	Pulse	0.1000	3
He	Sc	45	10968.00	1.0	96.0	Pulse	0.1000	3
He	Ge	72	24415.58	1.3	96.4	Pulse	0.1000	3
He	In	115	26476.77	2.3	97.0	Pulse	0.1000	3
He	Tb	159	176161.04	0.9	99.9	Pulse	0.1000	3
He	Bi	209	134747.57	1.3	99.9	Pulse	0.1000	3

No Gas

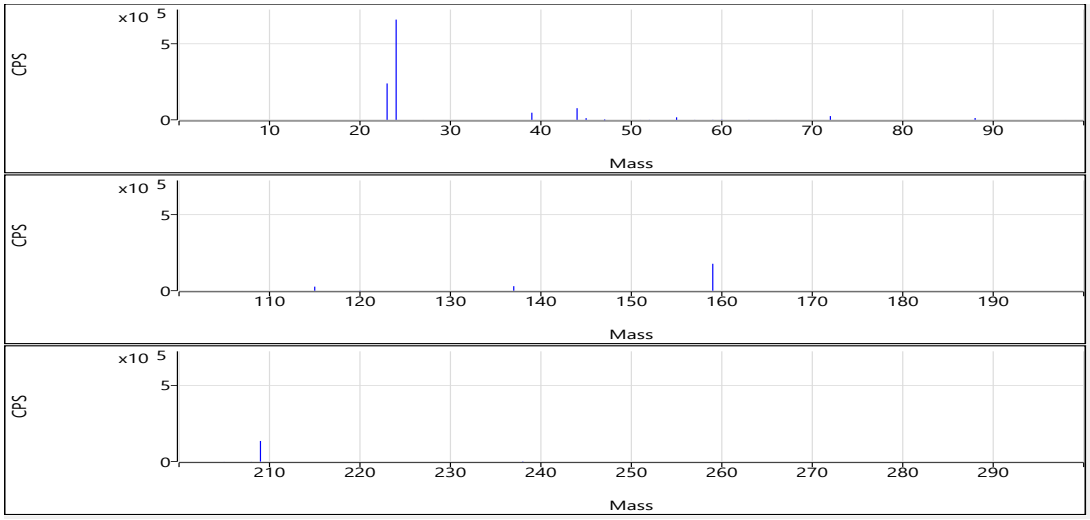


H2



Quantitation Report

He



Quantitation Report

Data File Name	208SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:34:51 PM
Sample Name	410-234898-K-2-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

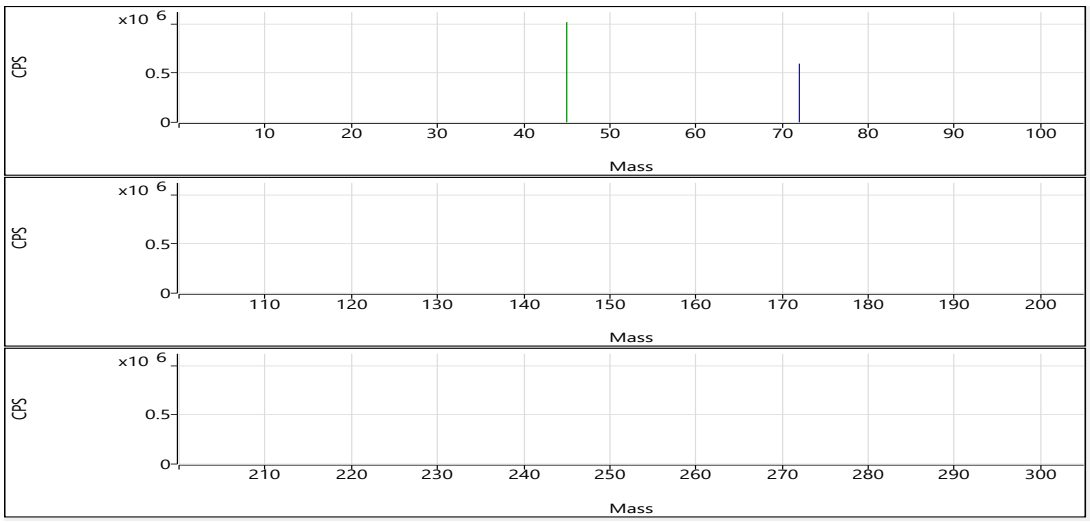
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.271	ug/L	6.7	164.67	0.0002	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	5263.445	ug/L	0.8	242508.66	9.7755	Pulse	0.1000	3
Mg	24	72	He	4682.101	ug/L	1.8	108294.46	4.3654	Pulse	0.1000	3
Al	27	72	He	29.798	ug/L	31.0	233.34	0.0094	Pulse	0.1000	3
K	39	72	He	3559.542	ppb	1.5	48577.28	1.9582	Pulse	0.1000	3
Ca	44	72	He	7574.598	ppb	4.7	6568.42	0.2649	Pulse	0.1000	3
Ti	47	159	He	-0.903	ppb	0.0	0.00	0.0000	Pulse	0.1000	3
V	51	72	He	0.039	ppb	37.4	129.33	0.0052	Pulse	0.5000	3
Cr	52	45	He	0.135	ppb	127.5	550.03	0.0506	Pulse	0.1000	3
Mn	55	45	He	175.341	ppb	1.6	33520.83	3.0723	Pulse	0.1000	3
Fe	57	72	He	51.233	ppb	24.7	650.04	0.0262	Pulse	0.1000	3
Co	59	72	He	0.367	ppb	10.3	573.37	0.0231	Pulse	0.1000	3
Ni	60	72	He	2.850	ppb	15.2	1183.43	0.0477	Pulse	0.1000	3
Cu	63	72	He	15.875	ppb	2.7	17177.74	0.6925	Pulse	0.1000	3
Zn	66	72	He	32.067	ppb	4.4	3133.81	0.1263	Pulse	0.1000	3
As	75	45	He	0.009	ppb	1176.1	10.67	0.0010	Pulse	0.5000	3
Sr	88	159	He	35.005	ppb	3.1	8763.07	0.0498	Pulse	0.1000	3
Mo	98	159	He	0.007	ppb	696.1	66.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.230	ppb	18.5	533.36	0.0030	Pulse	0.1000	3
Cd	111	159	He	0.378	ppb	5.4	82.67	0.0005	Pulse	0.5000	3
Sn	120	159	He	-0.487	ppb	N/A	1596.83	0.0091	Pulse	0.1000	3
Sb	121	159	He	0.044	ppb	58.5	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	121.021	ppb	1.8	19785.32	0.1125	Pulse	0.1000	3
Tl	205	159	He	0.031	ppb	38.0	416.69	0.0024	Pulse	0.1000	3
Pb	208	159	He	0.567	ppb	8.7	2360.31	0.0134	Pulse	0.1000	3
U	238	209	He	0.000	ppb	N/A	170.01	0.0012	Pulse	0.1000	3

ISTD Table:

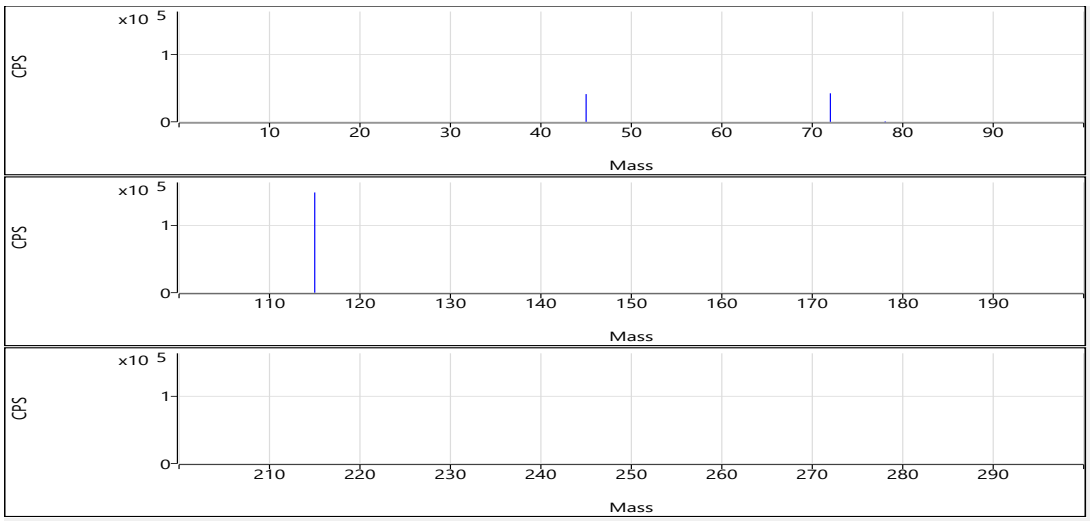
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1019138.19	0.6	97.5	Analog	0.1000	3
No Gas	Ge	72	596605.51	0.4	99.2	Pulse	0.1000	3
H2	Sc	45	40993.81	2.2	97.0	Pulse	0.1000	3
H2	Ge	72	42161.47	2.7	96.1	Pulse	0.1000	3
H2	In	115	148253.68	1.4	98.4	Pulse	0.1000	3
He	Sc	45	10914.61	3.8	95.6	Pulse	0.1000	3
He	Ge	72	24809.54	1.4	97.9	Pulse	0.1000	3
He	In	115	26490.22	2.8	97.1	Pulse	0.1000	3
He	Tb	159	175872.92	0.9	99.7	Pulse	0.1000	3
He	Bi	209	136596.38	2.6	101.3	Pulse	0.1000	3

No Gas

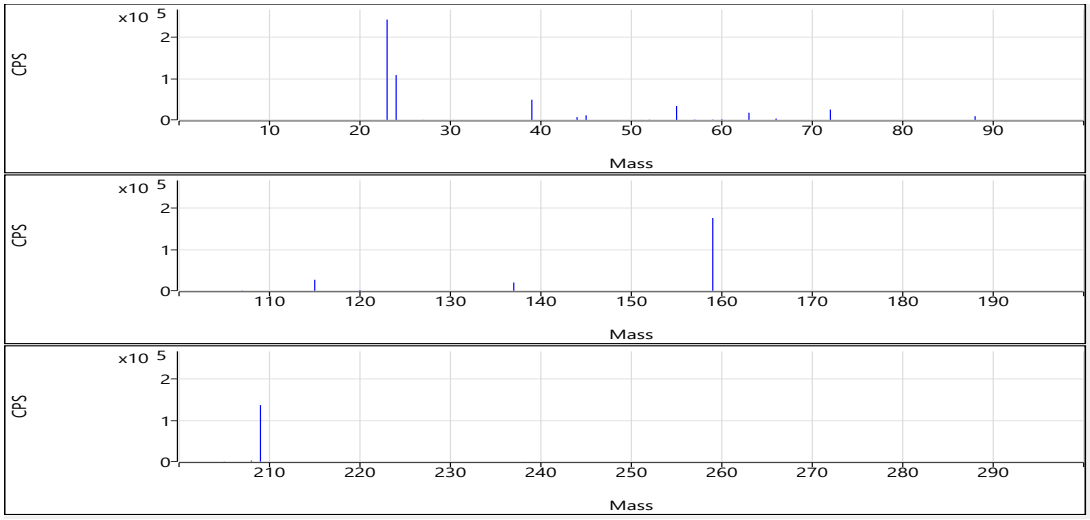


H2



Quantitation Report

He



Quantitation Report

Data File Name	209SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:36:53 PM
Sample Name	410-234898-G-10-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

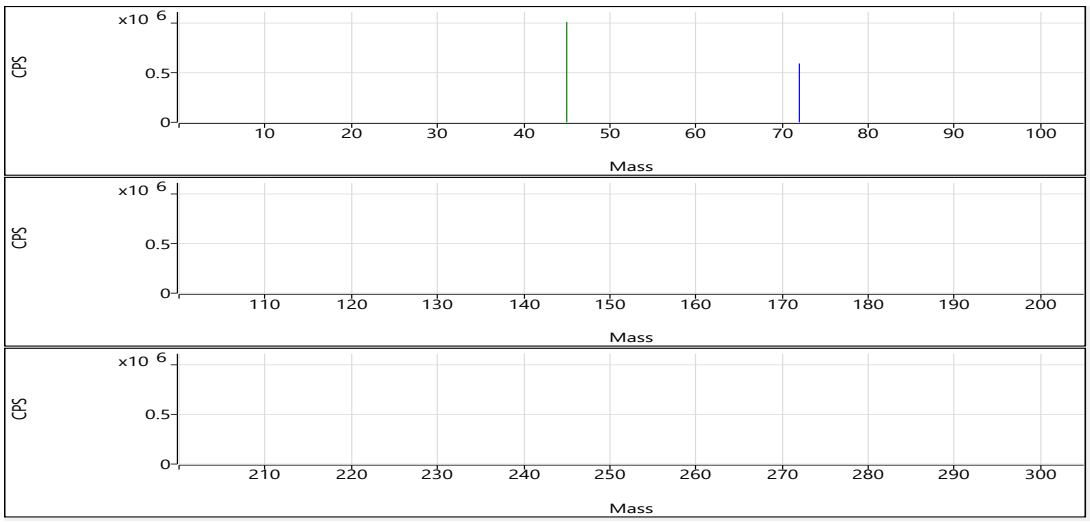
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.013	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.005	ppb	825.4	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	536.690	ug/L	2.5	29046.88	1.1973	Pulse	0.1000	3
Mg	24	72	He	22169.471	ug/L	2.5	500806.85	20.6461	Pulse	0.1000	3
Al	27	72	He	-1.306	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	1175.649	ppb	3.6	16984.11	0.7003	Pulse	0.1000	3
Ca	44	72	He	23345.420	ppb	1.5	19761.01	0.8144	Pulse	0.1000	3
Ti	47	159	He	0.465	ppb	292.4	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.093	ppb	37.9	147.33	0.0061	Pulse	0.5000	3
Cr	52	45	He	-0.213	ppb	N/A	373.35	0.0343	Pulse	0.1000	3
Mn	55	45	He	1.229	ppb	11.9	283.35	0.0261	Pulse	0.1000	3
Fe	57	72	He	15.912	ppb	25.1	256.68	0.0106	Pulse	0.1000	3
Co	59	72	He	0.036	ppb	7.4	150.01	0.0062	Pulse	0.1000	3
Ni	60	72	He	0.076	ppb	177.3	173.34	0.0072	Pulse	0.1000	3
Cu	63	72	He	0.185	ppb	46.0	323.35	0.0133	Pulse	0.1000	3
Zn	66	72	He	0.236	ppb	49.2	70.00	0.0029	Pulse	0.1000	3
As	75	45	He	0.144	ppb	58.2	18.00	0.0016	Pulse	0.5000	3
Sr	88	159	He	40.751	ppb	5.5	10044.06	0.0577	Pulse	0.1000	3
Mo	98	159	He	2.135	ppb	10.8	2006.89	0.0115	Pulse	0.1000	3
Ag	107	159	He	0.002	ppb	419.3	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.026	ppb	119.3	8.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.601	ppb	N/A	1516.81	0.0087	Pulse	0.1000	3
Sb	121	159	He	0.045	ppb	102.8	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	107.781	ppb	2.0	17545.46	0.1007	Pulse	0.1000	3
Tl	205	159	He	-0.021	ppb	N/A	126.68	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.047	ppb	34.9	343.35	0.0020	Pulse	0.1000	3
U	238	209	He	0.318	ppb	8.7	3013.80	0.0224	Pulse	0.1000	3

ISTD Table:

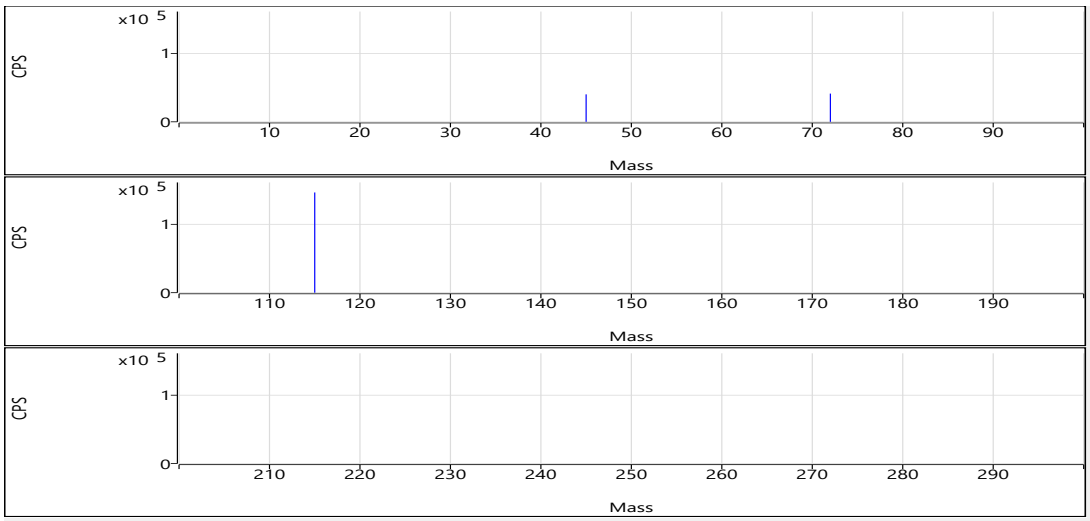
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1010826.83	0.5	96.7	Analog	0.1000	3
No Gas	Ge	72	593261.51	0.3	98.7	Pulse	0.1000	3
H2	Sc	45	40328.95	2.4	95.4	Pulse	0.1000	3
H2	Ge	72	41445.89	0.9	94.5	Pulse	0.1000	3
H2	In	115	147232.35	0.9	97.7	Pulse	0.1000	3
He	Sc	45	10887.91	4.6	95.3	Pulse	0.1000	3
He	Ge	72	24265.10	2.2	95.8	Pulse	0.1000	3
He	In	115	26994.52	0.7	98.9	Pulse	0.1000	3
He	Tb	159	174206.34	0.8	98.8	Pulse	0.1000	3
He	Bi	209	134581.97	0.8	99.8	Pulse	0.1000	3

No Gas

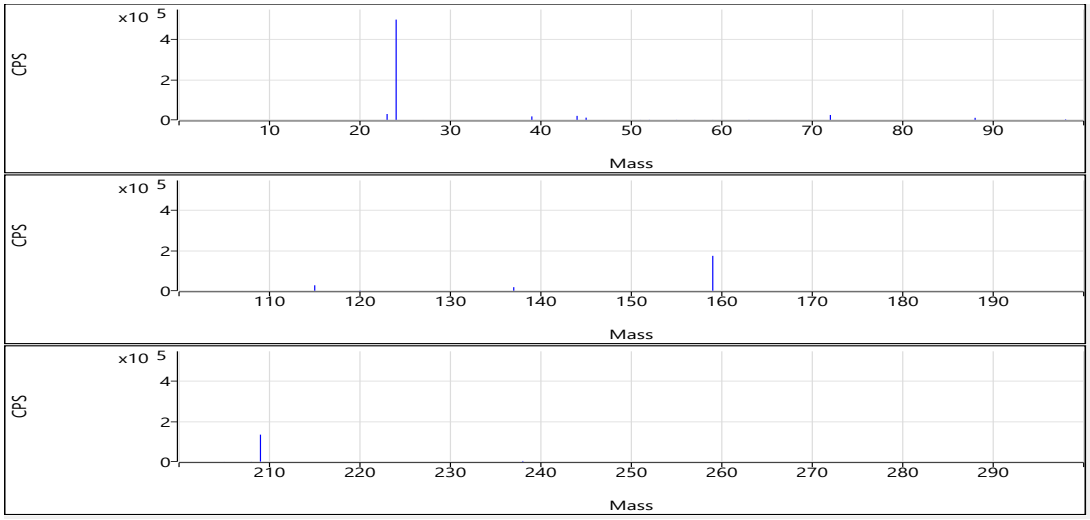


H2



Quantitation Report

He



Quantitation Report

Data File Name	210SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:38:52 PM
Sample Name	410-234898-G-8-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

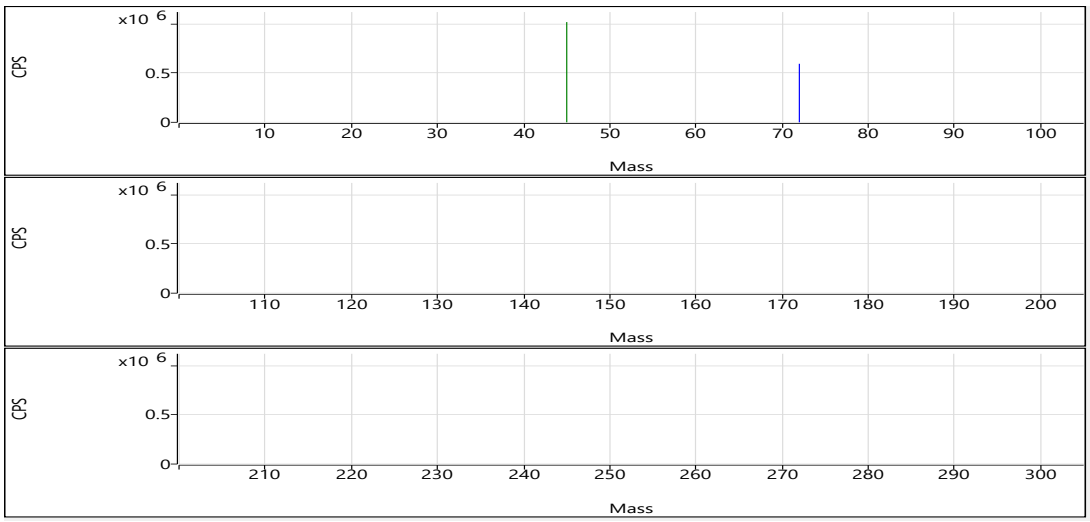
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.009	ug/L	N/A	20.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.041	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	536.794	ug/L	2.3	29480.99	1.1975	Pulse	0.1000	3
Mg	24	72	He	17055.049	ug/L	4.1	390853.73	15.8846	Pulse	0.1000	3
Al	27	72	He	-1.277	ug/L	N/A	36.67	0.0015	Pulse	0.1000	3
K	39	72	He	1011.937	ppb	6.2	15105.23	0.6139	Pulse	0.1000	3
Ca	44	72	He	18140.819	ppb	6.7	15569.12	0.6331	Pulse	0.1000	3
Ti	47	159	He	-0.449	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.177	ppb	17.8	182.00	0.0074	Pulse	0.5000	3
Cr	52	45	He	1.133	ppb	25.8	1053.42	0.0971	Pulse	0.1000	3
Mn	55	45	He	0.864	ppb	36.7	213.34	0.0197	Pulse	0.1000	3
Fe	57	72	He	6.048	ppb	9.8	153.34	0.0062	Pulse	0.1000	3
Co	59	72	He	0.021	ppb	27.7	133.34	0.0054	Pulse	0.1000	3
Ni	60	72	He	0.146	ppb	151.7	200.01	0.0082	Pulse	0.1000	3
Cu	63	72	He	0.238	ppb	20.4	383.36	0.0156	Pulse	0.1000	3
Zn	66	72	He	3.332	ppb	2.3	366.69	0.0149	Pulse	0.1000	3
As	75	45	He	0.123	ppb	100.4	16.67	0.0015	Pulse	0.5000	3
Sr	88	159	He	24.244	ppb	4.5	6184.93	0.0351	Pulse	0.1000	3
Mo	98	159	He	0.174	ppb	27.1	220.01	0.0012	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	265.1	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.032	ppb	60.0	10.00	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.498	ppb	N/A	1593.48	0.0090	Pulse	0.1000	3
Sb	121	159	He	0.007	ppb	455.4	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	707.207	ppb	1.9	111625.56	0.6340	Pulse	0.1000	3
Tl	205	159	He	-0.018	ppb	N/A	140.00	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.077	ppb	31.9	463.36	0.0026	Pulse	0.1000	3
U	238	209	He	0.122	ppb	5.1	1273.45	0.0094	Pulse	0.1000	3

ISTD Table:

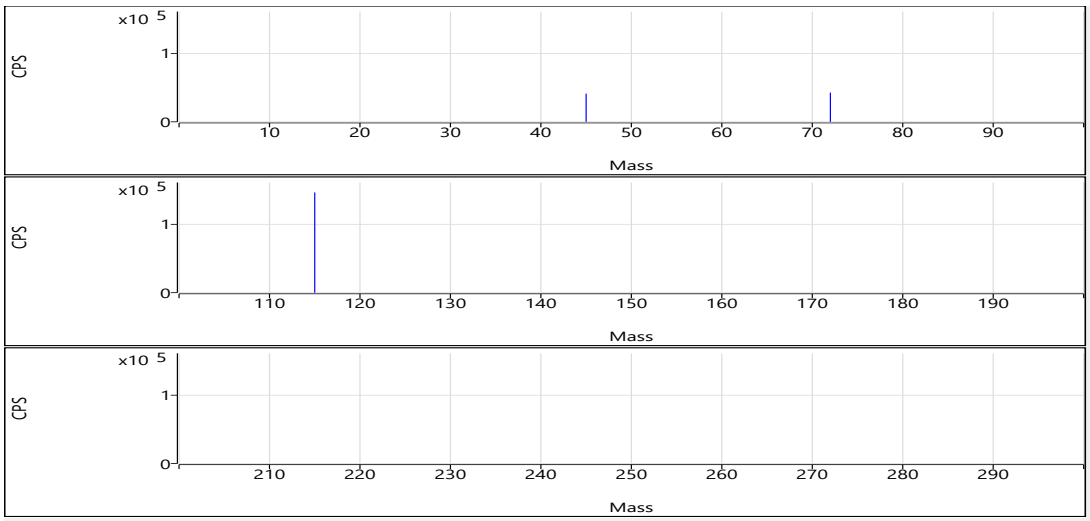
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1018351.29	0.8	97.4	Analog	0.1000	3
No Gas	Ge	72	594573.87	1.4	98.9	Pulse	0.1000	3
H2	Sc	45	41287.88	2.2	97.7	Pulse	0.1000	3
H2	Ge	72	42726.70	0.9	97.4	Pulse	0.1000	3
H2	In	115	146777.80	2.0	97.4	Pulse	0.1000	3
He	Sc	45	10881.23	5.3	95.3	Pulse	0.1000	3
He	Ge	72	24629.19	3.5	97.2	Pulse	0.1000	3
He	In	115	26125.98	1.5	95.7	Pulse	0.1000	3
He	Tb	159	176077.85	0.6	99.8	Pulse	0.1000	3
He	Bi	209	135750.66	1.0	100.7	Pulse	0.1000	3

No Gas

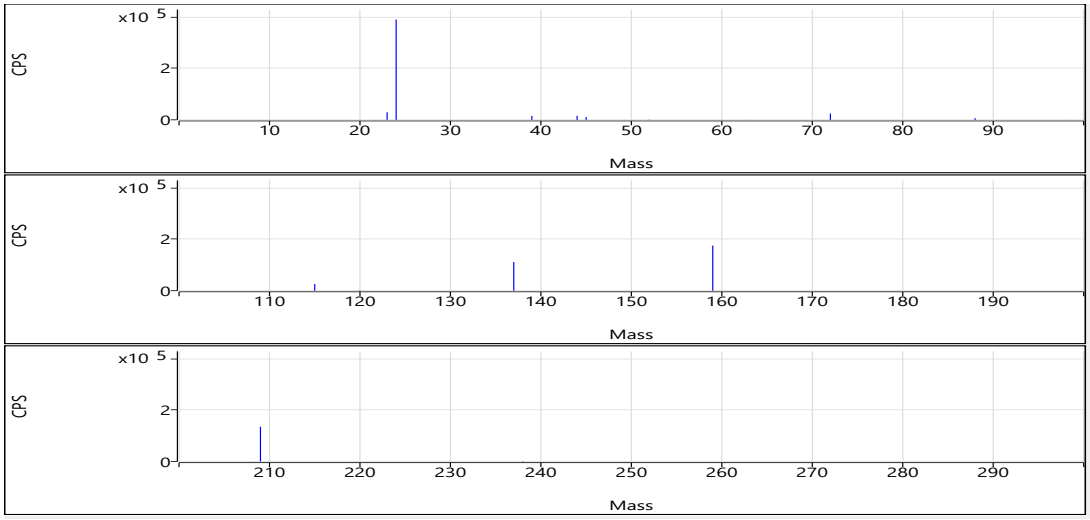


H2



Quantitation Report

He



Quantitation Report

Data File Name	212_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:42:54 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

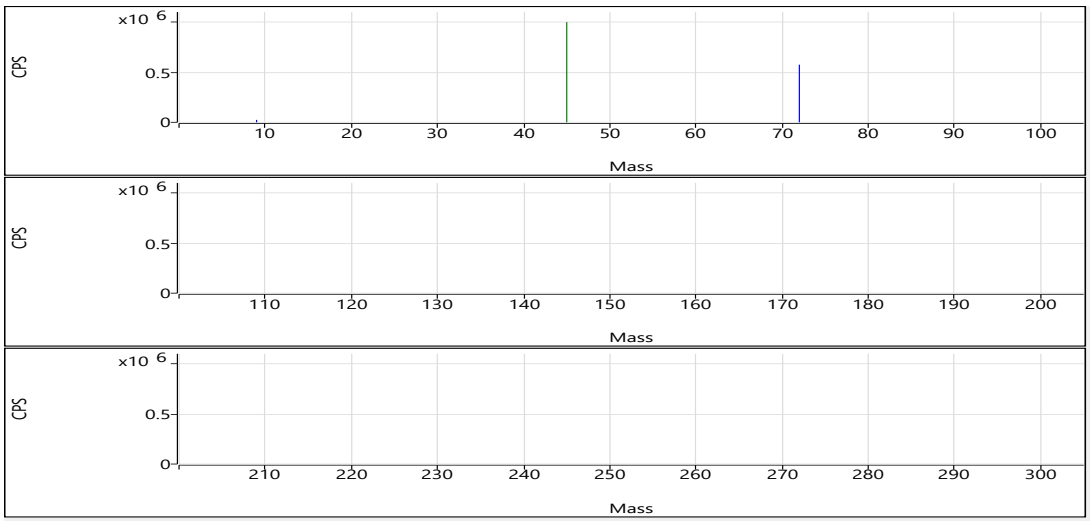
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	47.891	ug/L	1.1	24214.86	0.0241	Pulse	0.5000	3
Se	78	72	H2	51.497	ppb	3.4	1245.39	0.0311	Pulse	1.5000	3
Na	23	72	He	4816.506	ug/L	3.3	217204.95	8.9644	Pulse	0.1000	3
Mg	24	72	He	4822.683	ug/L	3.3	108935.55	4.4962	Pulse	0.1000	3
Al	27	72	He	4888.499	ug/L	5.6	30165.90	1.2458	Pulse	0.1000	3
K	39	72	He	4810.253	ppb	3.4	63435.51	2.6182	Pulse	0.1000	3
Ca	44	72	He	4797.702	ppb	2.5	4074.07	0.1681	Pulse	0.1000	3
Ti	47	159	He	4937.318	ppb	3.9	35886.31	0.2067	Pulse	0.1000	3
V	51	72	He	488.837	ppb	3.2	186150.71	7.6831	Pulse	0.5000	3
Cr	52	45	He	528.211	ppb	2.1	258450.83	24.6715	Pulse	0.1000	3
Mn	55	45	He	520.933	ppb	3.9	95514.14	9.1188	Pulse	0.1000	3
Fe	57	72	He	4855.408	ppb	2.7	52211.23	2.1546	Pulse	0.1000	3
Co	59	72	He	470.072	ppb	3.6	583153.29	24.0717	Pulse	0.1000	3
Ni	60	72	He	492.225	ppb	3.9	174290.75	7.1949	Pulse	0.1000	3
Cu	63	72	He	492.884	ppb	4.0	517034.16	21.3439	Pulse	0.1000	3
Zn	66	72	He	487.379	ppb	4.9	45822.89	1.8921	Pulse	0.1000	3
As	75	45	He	532.815	ppb	2.9	28121.10	2.6846	Pulse	0.5000	3
Sr	88	159	He	47.790	ppb	2.4	11682.09	0.0673	Pulse	0.1000	3
Mo	98	159	He	49.654	ppb	1.5	45169.03	0.2601	Pulse	0.1000	3
Ag	107	159	He	48.980	ppb	0.9	105958.38	0.6102	Pulse	0.1000	3
Cd	111	159	He	49.228	ppb	2.0	10214.56	0.0588	Pulse	0.5000	3
Sn	120	159	He	48.657	ppb	1.2	28915.30	0.1665	Pulse	0.1000	3
Sb	121	159	He	48.522	ppb	1.6	21724.82	0.1251	Pulse	0.1000	3
Ba	137	159	He	498.081	ppb	2.3	77773.59	0.4480	Pulse	0.1000	3
Tl	205	159	He	49.820	ppb	2.0	274035.11	1.5781	Pulse	0.1000	3
Pb	208	159	He	49.508	ppb	1.6	189712.56	1.0925	Pulse	0.1000	3
U	238	209	He	49.667	ppb	1.1	439013.43	3.3009	Pulse	0.1000	3

ISTD Table:

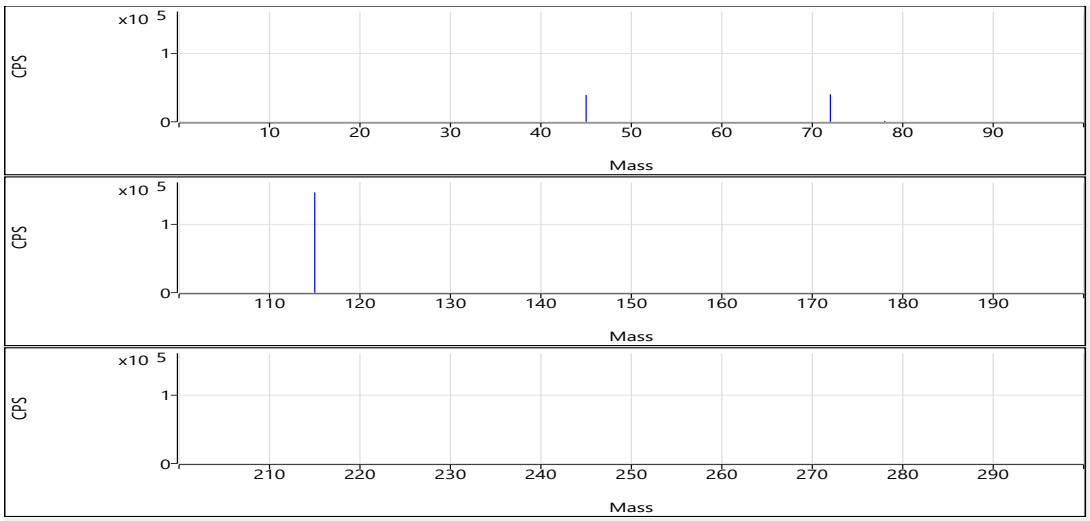
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1002700.22	0.7	95.9	Analog	0.1000	3
No Gas	Ge	72	576434.47	0.6	95.9	Pulse	0.1000	3
H2	Sc	45	39004.81	2.5	92.3	Pulse	0.1000	3
H2	Ge	72	39995.18	2.2	91.2	Pulse	0.1000	3
H2	In	115	145577.77	0.3	96.6	Pulse	0.1000	3
He	Sc	45	10477.61	1.4	91.7	Pulse	0.1000	3
He	Ge	72	24248.72	3.9	95.7	Pulse	0.1000	3
He	In	115	26500.07	1.8	97.1	Pulse	0.1000	3
He	Tb	159	173643.21	0.9	98.4	Pulse	0.1000	3
He	Bi	209	133029.63	3.2	98.6	Pulse	0.1000	3

No Gas

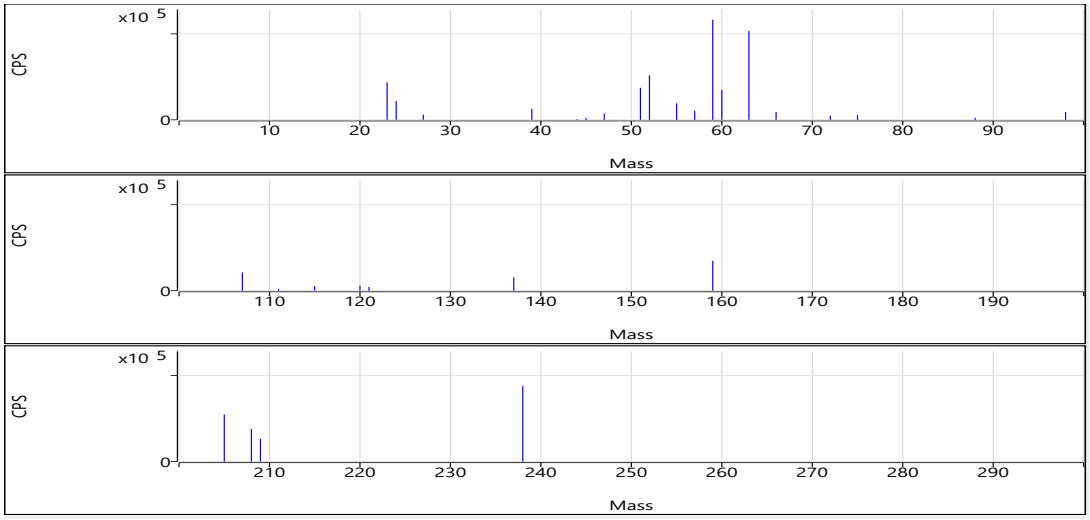


H2



Quantitation Report

He



Quantitation Report

Data File Name	214_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:46:55 PM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

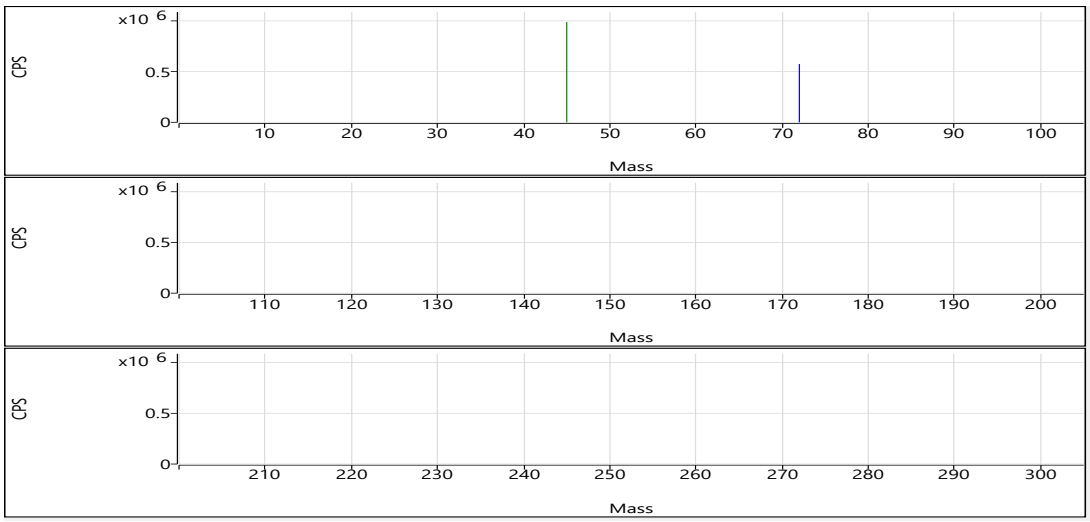
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.020	ug/L	N/A	14.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.084	ppb	N/A	0.00	0.0000	Pulse	1.5000	3
Na	23	72	He	-9.590	ug/L	N/A	4977.69	0.2059	Pulse	0.1000	3
Mg	24	72	He	5.813	ug/L	57.4	283.35	0.0117	Pulse	0.1000	3
Al	27	72	He	-2.912	ug/L	N/A	26.67	0.0011	Pulse	0.1000	3
K	39	72	He	8.561	ppb	78.4	2040.23	0.0844	Pulse	0.1000	3
Ca	44	72	He	21.294	ppb	150.5	40.00	0.0017	Pulse	0.1000	3
Ti	47	159	He	0.496	ppb	283.1	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.137	ppb	16.1	163.33	0.0068	Pulse	0.5000	3
Cr	52	45	He	-0.089	ppb	N/A	426.69	0.0401	Pulse	0.1000	3
Mn	55	45	He	0.453	ppb	32.1	133.34	0.0125	Pulse	0.1000	3
Fe	57	72	He	2.287	ppb	191.0	110.00	0.0046	Pulse	0.1000	3
Co	59	72	He	-0.004	ppb	N/A	100.00	0.0041	Pulse	0.1000	3
Ni	60	72	He	-0.036	ppb	N/A	133.34	0.0055	Pulse	0.1000	3
Cu	63	72	He	0.095	ppb	79.6	226.68	0.0094	Pulse	0.1000	3
Zn	66	72	He	-0.153	ppb	N/A	33.33	0.0014	Pulse	0.1000	3
As	75	45	He	-0.021	ppb	N/A	8.67	0.0008	Pulse	0.5000	3
Sr	88	159	He	-0.840	ppb	N/A	150.01	0.0009	Pulse	0.1000	3
Mo	98	159	He	-0.009	ppb	N/A	50.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.000	ppb	2395.7	30.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.009	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.051	ppb	201.4	1853.53	0.0108	Pulse	0.1000	3
Sb	121	159	He	0.046	ppb	157.7	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-2.513	ppb	N/A	446.69	0.0026	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	150.01	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.052	ppb	43.6	356.68	0.0021	Pulse	0.1000	3
U	238	209	He	0.002	ppb	368.2	186.68	0.0014	Pulse	0.1000	3

ISTD Table:

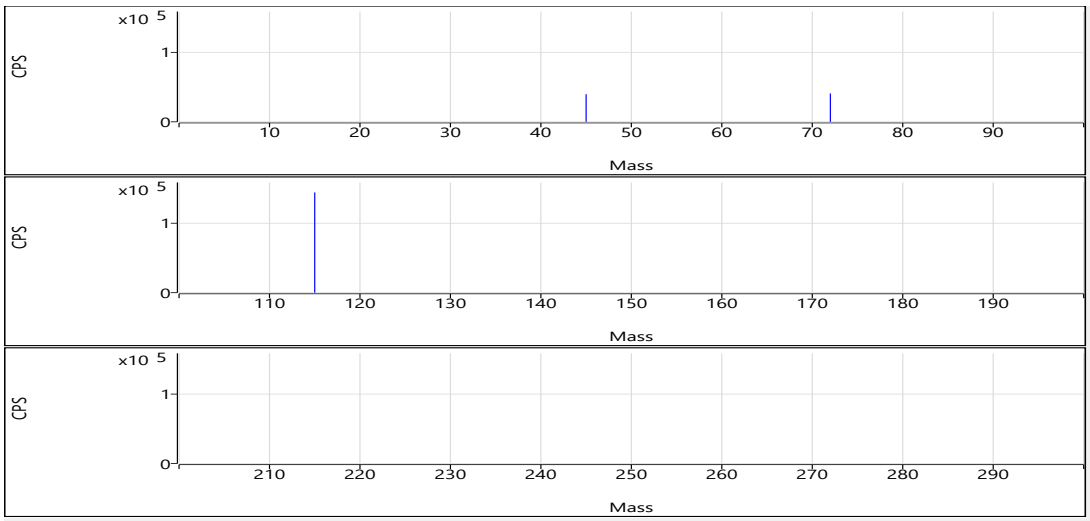
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	990276.65	0.2	94.7	Analog	0.1000	3
No Gas	Ge	72	575597.63	0.4	95.7	Pulse	0.1000	3
H2	Sc	45	39937.41	0.5	94.5	Pulse	0.1000	3
H2	Ge	72	41038.22	0.9	93.5	Pulse	0.1000	3
H2	In	115	145165.05	1.4	96.3	Pulse	0.1000	3
He	Sc	45	10634.35	5.0	93.1	Pulse	0.1000	3
He	Ge	72	24165.10	1.0	95.4	Pulse	0.1000	3
He	In	115	26510.24	2.6	97.1	Pulse	0.1000	3
He	Tb	159	171579.18	0.8	97.3	Pulse	0.1000	3
He	Bi	209	133320.00	1.8	98.9	Pulse	0.1000	3

No Gas

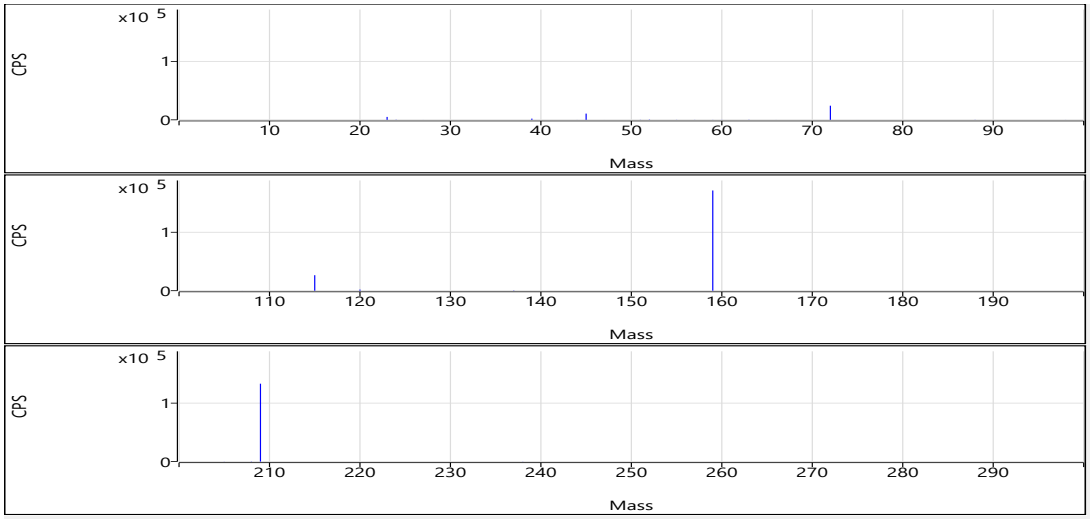


H2



Quantitation Report

He



Quantitation Report

Data File Name	215SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:48:55 PM
Sample Name	410-234898-K-6-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

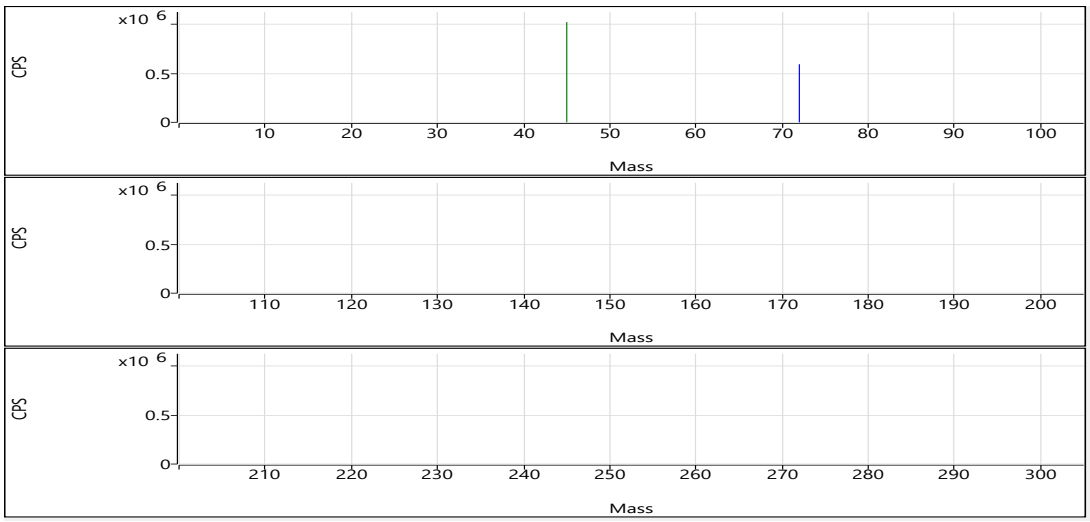
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.013	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.029	ppb	288.1	2.89	0.0001	Pulse	1.5000	3
Na	23	72	He	2382.481	ug/L	3.3	111891.30	4.5471	Pulse	0.1000	3
Mg	24	72	He	22371.650	ug/L	3.8	512558.87	20.8344	Pulse	0.1000	3
Al	27	72	He	-0.272	ug/L	N/A	43.33	0.0018	Pulse	0.1000	3
K	39	72	He	3788.605	ppb	2.1	51179.60	2.0791	Pulse	0.1000	3
Ca	44	72	He	46325.835	ppb	3.2	39743.21	1.6152	Pulse	0.1000	3
Ti	47	159	He	-0.439	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.109	ppb	67.1	155.33	0.0063	Pulse	0.5000	3
Cr	52	45	He	1.358	ppb	26.6	1193.43	0.1076	Pulse	0.1000	3
Mn	55	45	He	247.476	ppb	6.0	48217.32	4.3344	Pulse	0.1000	3
Fe	57	72	He	122.179	ppb	10.6	1416.79	0.0577	Pulse	0.1000	3
Co	59	72	He	0.152	ppb	20.4	300.01	0.0121	Pulse	0.1000	3
Ni	60	72	He	0.328	ppb	12.1	266.68	0.0108	Pulse	0.1000	3
Cu	63	72	He	0.521	ppb	14.3	683.38	0.0278	Pulse	0.1000	3
Zn	66	72	He	1.854	ppb	26.9	226.68	0.0092	Pulse	0.1000	3
As	75	45	He	0.341	ppb	37.7	29.33	0.0026	Pulse	0.5000	3
Sr	88	159	He	163.586	ppb	4.4	39323.78	0.2254	Pulse	0.1000	3
Mo	98	159	He	0.048	ppb	72.0	103.34	0.0006	Pulse	0.1000	3
Ag	107	159	He	0.020	ppb	59.8	73.33	0.0004	Pulse	0.1000	3
Cd	111	159	He	0.016	ppb	37.2	6.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.615	ppb	4.1	2200.27	0.0126	Pulse	0.1000	3
Sb	121	159	He	0.096	ppb	73.3	56.67	0.0003	Pulse	0.1000	3
Ba	137	159	He	95.513	ppb	0.6	15673.09	0.0898	Pulse	0.1000	3
Tl	205	159	He	-0.002	ppb	N/A	230.01	0.0013	Pulse	0.1000	3
Pb	208	159	He	0.140	ppb	12.7	700.05	0.0040	Pulse	0.1000	3
U	238	209	He	0.092	ppb	12.6	980.08	0.0074	Pulse	0.1000	3

ISTD Table:

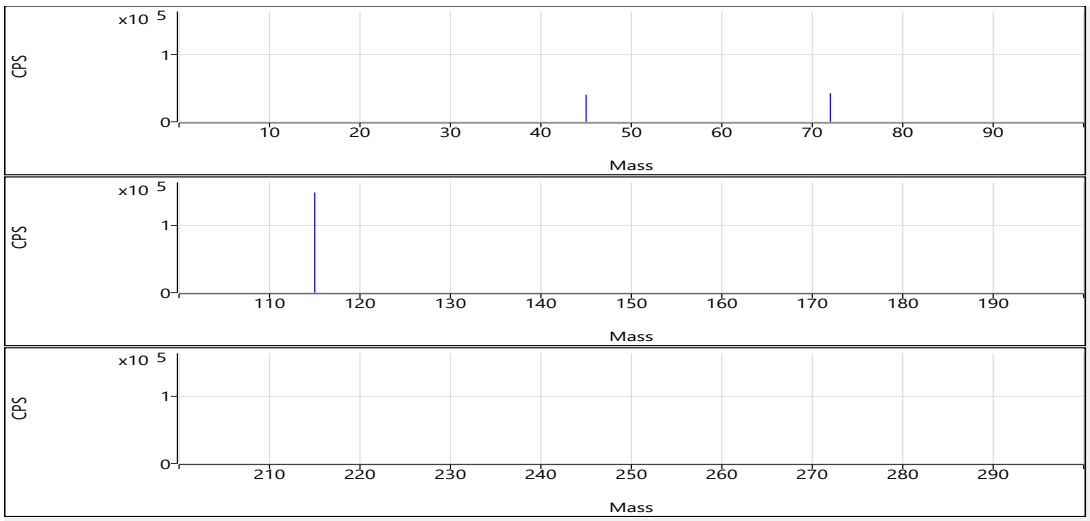
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1025305.84	0.4	98.1	Analog	0.1000	3
No Gas	Ge	72	593658.96	0.8	98.7	Pulse	0.1000	3
H2	Sc	45	40074.42	1.2	94.8	Pulse	0.1000	3
H2	Ge	72	42365.75	0.8	96.6	Pulse	0.1000	3
H2	In	115	148415.26	1.1	98.5	Pulse	0.1000	3
He	Sc	45	11148.18	5.8	97.6	Pulse	0.1000	3
He	Ge	72	24629.33	4.4	97.2	Pulse	0.1000	3
He	In	115	27131.43	1.6	99.4	Pulse	0.1000	3
He	Tb	159	174501.27	1.4	98.9	Pulse	0.1000	3
He	Bi	209	132810.91	2.4	98.5	Pulse	0.1000	3

No Gas

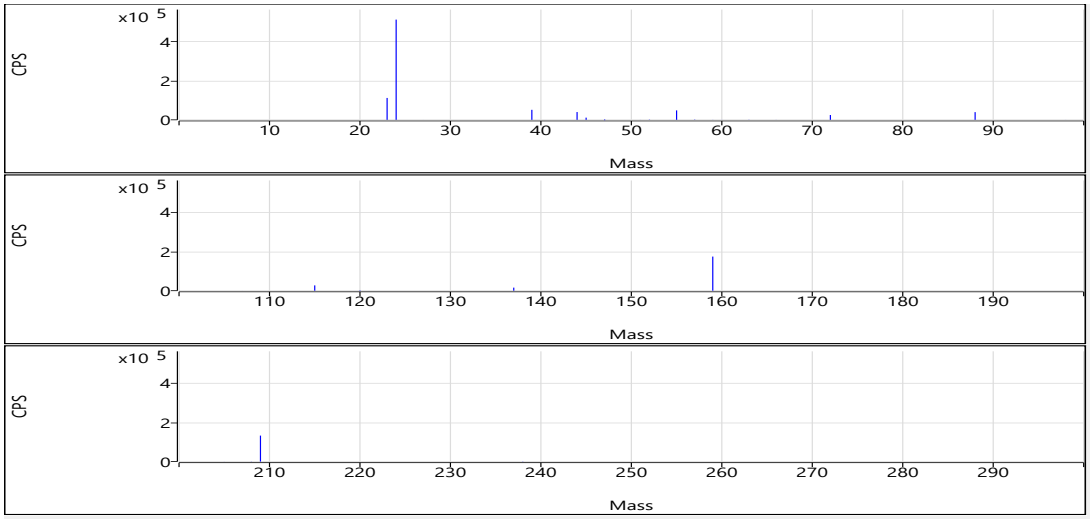


H2



Quantitation Report

He



Quantitation Report

Data File Name	216SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:50:56 PM
Sample Name	410-234898-G-7-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

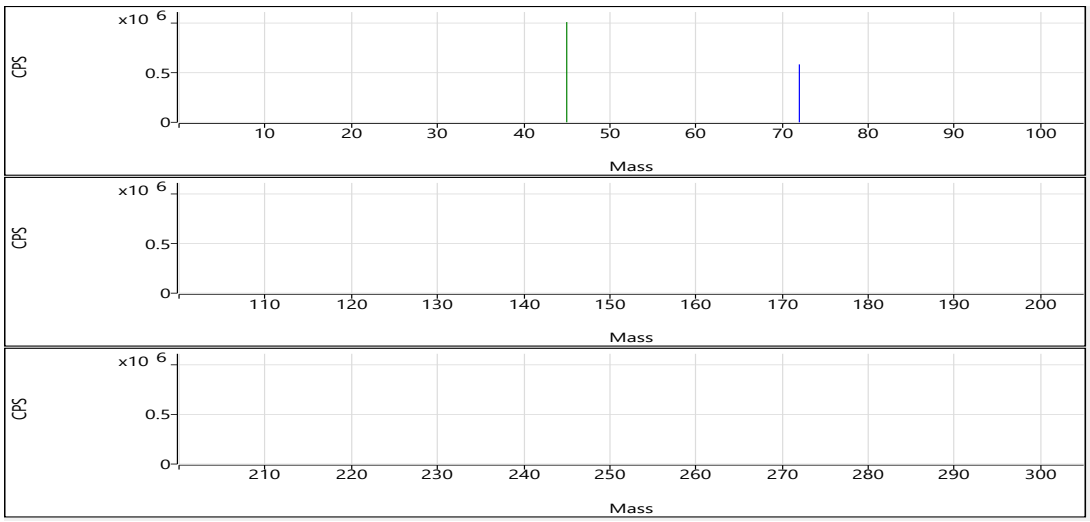
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.023	ug/L	N/A	13.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.023	ppb	204.2	2.67	0.0001	Pulse	1.5000	3
Na	23	72	He	6380.590	ug/L	2.1	290390.75	11.8030	Pulse	0.1000	3
Mg	24	72	He	22128.550	ug/L	1.9	507032.58	20.6080	Pulse	0.1000	3
Al	27	72	He	2.297	ug/L	177.6	60.00	0.0024	Pulse	0.1000	3
K	39	72	He	3484.733	ppb	1.8	47209.23	1.9187	Pulse	0.1000	3
Ca	44	72	He	79727.791	ppb	1.3	68382.50	2.7791	Pulse	0.1000	3
Ti	47	159	He	0.495	ppb	281.0	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.230	ppb	14.8	202.00	0.0082	Pulse	0.5000	3
Cr	52	45	He	0.679	ppb	36.2	816.72	0.0759	Pulse	0.1000	3
Mn	55	45	He	0.890	ppb	36.1	216.68	0.0201	Pulse	0.1000	3
Fe	57	72	He	10.353	ppb	41.4	200.01	0.0081	Pulse	0.1000	3
Co	59	72	He	0.008	ppb	307.1	116.67	0.0047	Pulse	0.1000	3
Ni	60	72	He	0.236	ppb	36.3	233.34	0.0095	Pulse	0.1000	3
Cu	63	72	He	0.295	ppb	13.6	443.36	0.0180	Pulse	0.1000	3
Zn	66	72	He	0.883	ppb	53.9	133.34	0.0054	Pulse	0.1000	3
As	75	45	He	0.089	ppb	94.9	14.67	0.0014	Pulse	0.5000	3
Sr	88	159	He	47.069	ppb	3.6	11298.36	0.0663	Pulse	0.1000	3
Mo	98	159	He	0.219	ppb	11.9	253.35	0.0015	Pulse	0.1000	3
Ag	107	159	He	0.011	ppb	85.2	53.33	0.0003	Pulse	0.1000	3
Cd	111	159	He	0.030	ppb	49.5	9.33	0.0001	Pulse	0.5000	3
Sn	120	159	He	-0.561	ppb	N/A	1506.81	0.0088	Pulse	0.1000	3
Sb	121	159	He	-0.007	ppb	N/A	10.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	231.144	ppb	0.8	35869.06	0.2105	Pulse	0.1000	3
Tl	205	159	He	-0.015	ppb	N/A	156.68	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.053	ppb	14.5	356.69	0.0021	Pulse	0.1000	3
U	238	209	He	0.317	ppb	5.1	2970.47	0.0223	Pulse	0.1000	3

ISTD Table:

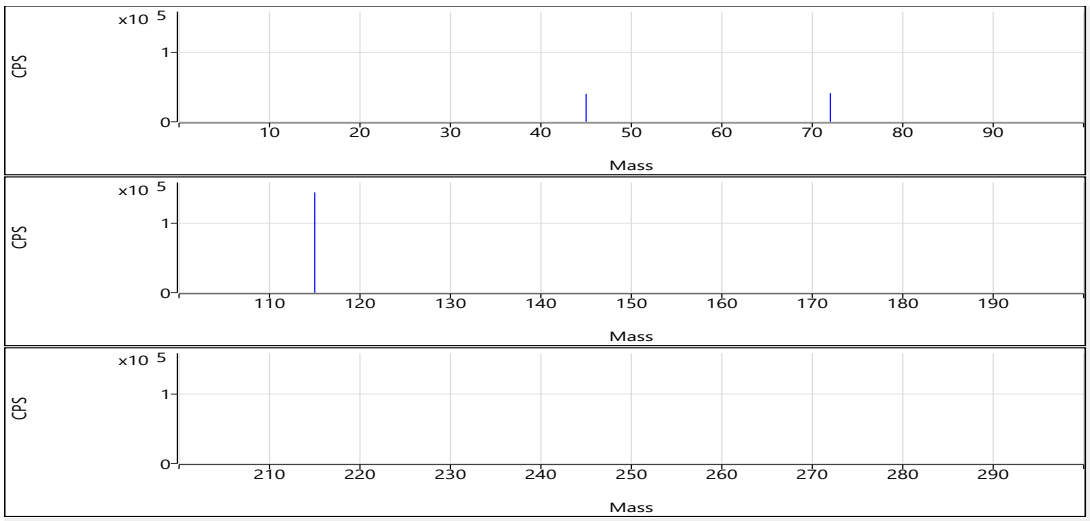
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1011204.57	0.8	96.7	Analog	0.1000	3
No Gas	Ge	72	584342.24	0.6	97.2	Pulse	0.1000	3
H2	Sc	45	40231.45	0.8	95.2	Pulse	0.1000	3
H2	Ge	72	41382.52	0.8	94.3	Pulse	0.1000	3
H2	In	115	144594.94	0.7	95.9	Pulse	0.1000	3
He	Sc	45	10787.82	3.5	94.5	Pulse	0.1000	3
He	Ge	72	24609.32	1.9	97.2	Pulse	0.1000	3
He	In	115	26740.62	1.0	98.0	Pulse	0.1000	3
He	Tb	159	170420.71	0.7	96.6	Pulse	0.1000	3
He	Bi	209	133156.63	1.6	98.7	Pulse	0.1000	3

No Gas

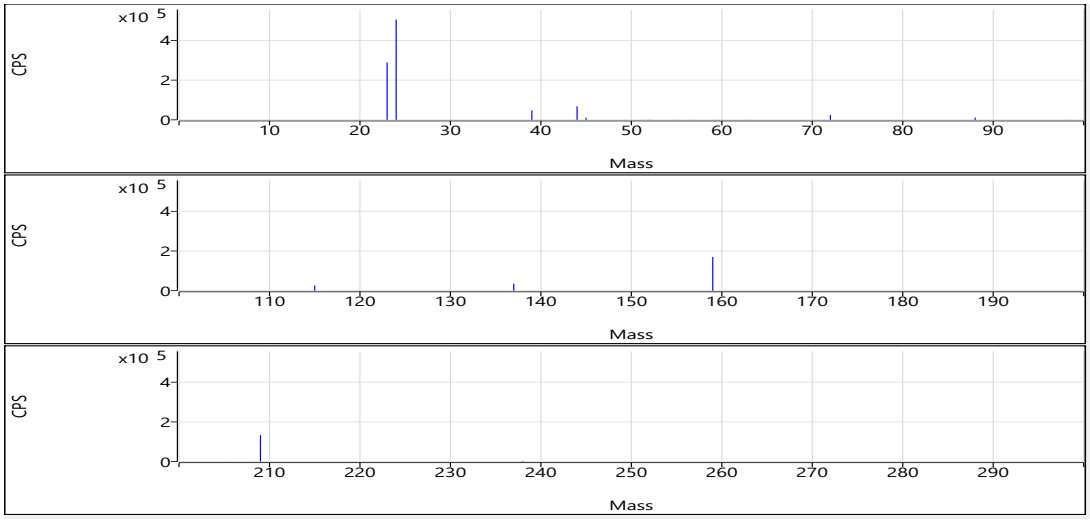


H2



Quantitation Report

He



Quantitation Report

Data File Name	217SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:52:57 PM
Sample Name	410-234898-K-5-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

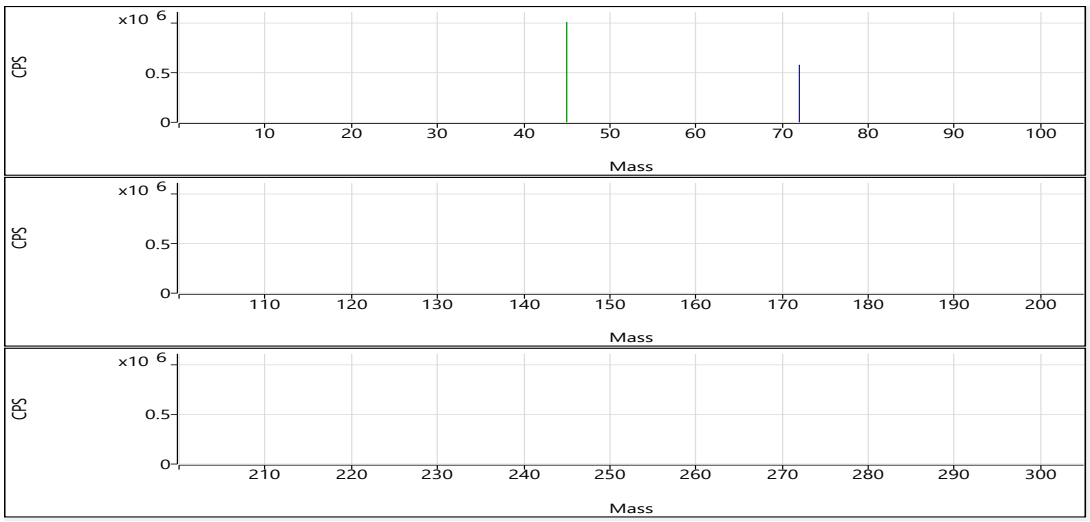
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.003	ug/L	619.8	26.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.066	ppb	N/A	0.45	0.0000	Pulse	1.5000	3
Na	23	72	He	7448.715	ug/L	3.4	328764.43	13.7414	Pulse	0.1000	3
Mg	24	72	He	35391.964	ug/L	3.6	788421.32	32.9563	Mix	0.1000	3
Al	27	72	He	-0.749	ug/L	N/A	40.00	0.0017	Pulse	0.1000	3
K	39	72	He	2666.072	ppb	5.7	35565.36	1.4867	Pulse	0.1000	3
Ca	44	72	He	94273.392	ppb	3.1	78631.68	3.2860	Pulse	0.1000	3
Ti	47	159	He	-0.438	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.041	ppb	81.9	126.00	0.0052	Pulse	0.5000	3
Cr	52	45	He	0.006	ppb	3857.0	486.69	0.0446	Pulse	0.1000	3
Mn	55	45	He	2703.420	ppb	4.1	520134.27	47.3038	Pulse	0.1000	3
Fe	57	72	He	7817.016	ppb	3.8	82929.11	3.4667	Pulse	0.1000	3
Co	59	72	He	11.673	ppb	8.6	14384.56	0.6020	Pulse	0.1000	3
Ni	60	72	He	10.402	ppb	9.4	3774.01	0.1580	Pulse	0.1000	3
Cu	63	72	He	0.143	ppb	11.8	273.34	0.0114	Pulse	0.1000	3
Zn	66	72	He	6.827	ppb	8.7	680.04	0.0284	Pulse	0.1000	3
As	75	45	He	4.942	ppb	11.4	283.34	0.0258	Pulse	0.5000	3
Sr	88	159	He	90.155	ppb	4.8	21457.34	0.1251	Pulse	0.1000	3
Mo	98	159	He	0.621	ppb	21.0	616.71	0.0036	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	91.8	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.001	ppb	1133.4	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.822	ppb	N/A	1373.46	0.0080	Pulse	0.1000	3
Sb	121	159	He	0.009	ppb	157.1	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	378.950	ppb	1.8	58653.02	0.3420	Pulse	0.1000	3
Tl	205	159	He	0.028	ppb	64.9	390.02	0.0023	Pulse	0.1000	3
Pb	208	159	He	0.053	ppb	39.0	360.02	0.0021	Pulse	0.1000	3
U	238	209	He	0.594	ppb	5.6	5384.69	0.0407	Pulse	0.1000	3

ISTD Table:

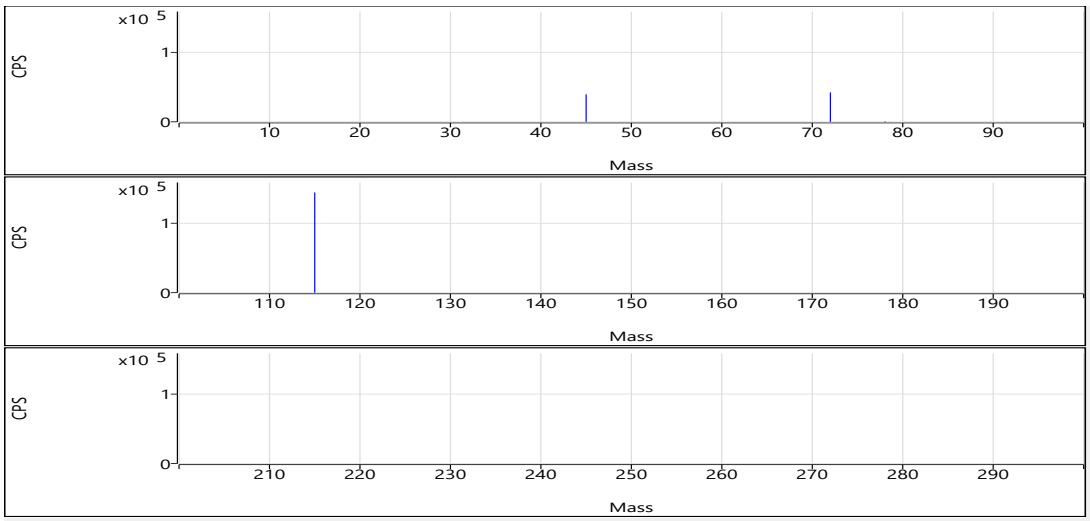
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1014218.08	0.2	97.0	Analog	0.1000	3
No Gas	Ge	72	581796.96	0.9	96.8	Pulse	0.1000	3
H2	Sc	45	39322.26	1.1	93.0	Pulse	0.1000	3
H2	Ge	72	42178.37	1.7	96.1	Pulse	0.1000	3
H2	In	115	143722.34	0.6	95.4	Pulse	0.1000	3
He	Sc	45	11011.40	5.3	96.4	Pulse	0.1000	3
He	Ge	72	23948.11	4.4	94.5	Pulse	0.1000	3
He	In	115	26232.88	1.6	96.1	Pulse	0.1000	3
He	Tb	159	171532.22	1.2	97.2	Pulse	0.1000	3
He	Bi	209	132170.72	0.9	98.0	Pulse	0.1000	3

No Gas

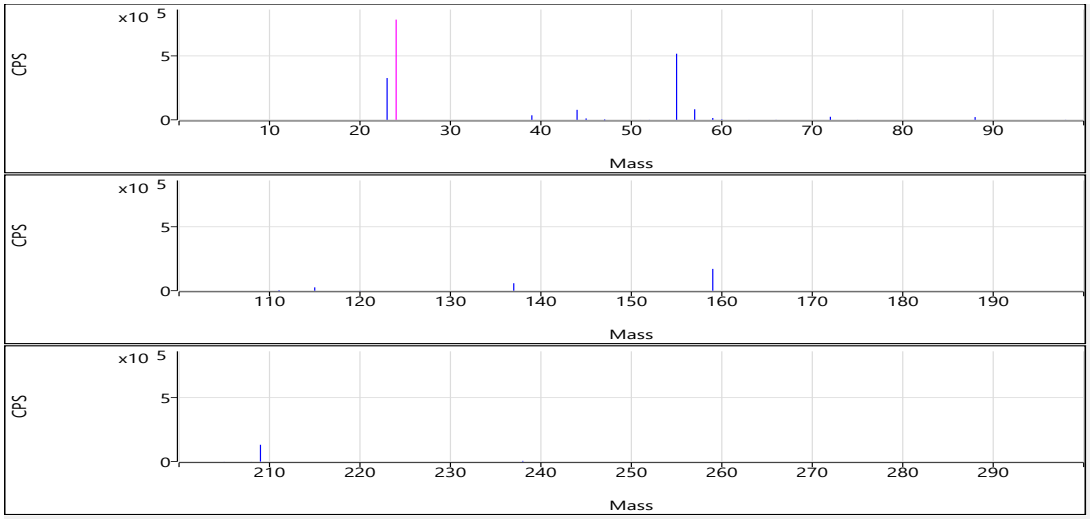


H2



Quantitation Report

He



Quantitation Report

Data File Name	218SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:54:58 PM
Sample Name	410-234898-G-11-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

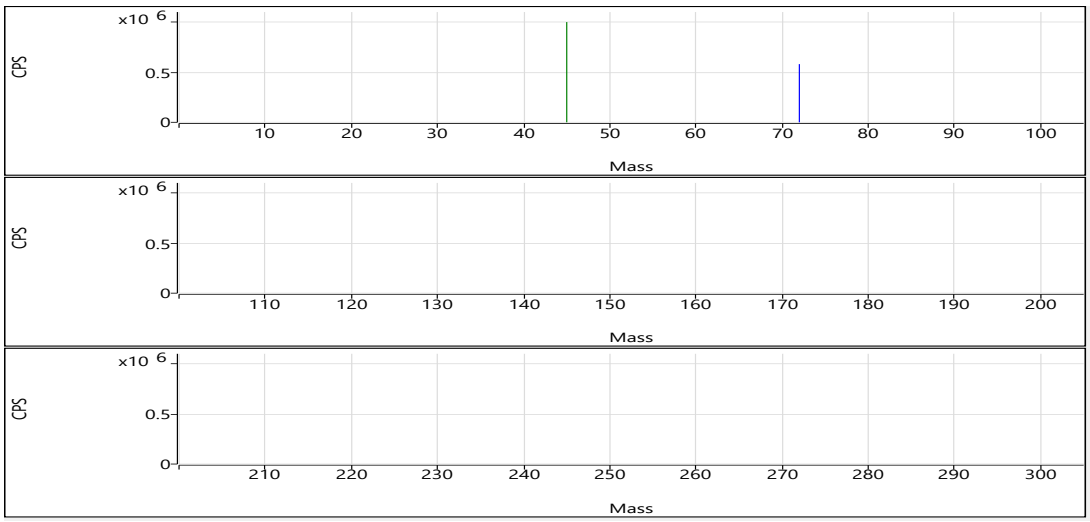
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.001	ug/L	N/A	24.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.122	ppb	24.6	5.11	0.0001	Pulse	1.5000	3
Na	23	72	He	6042.381	ug/L	3.8	270500.44	11.1892	Pulse	0.1000	3
Mg	24	72	He	24848.952	ug/L	4.4	559308.04	23.1407	Pulse	0.1000	3
Al	27	72	He	199.392	ug/L	8.2	1270.10	0.0526	Pulse	0.1000	3
K	39	72	He	2552.456	ppb	3.2	34499.43	1.4268	Pulse	0.1000	3
Ca	44	72	He	72064.041	ppb	5.0	60717.88	2.5121	Pulse	0.1000	3
Ti	47	159	He	3.204	ppb	73.9	30.00	0.0002	Pulse	0.1000	3
V	51	72	He	0.914	ppb	17.4	457.34	0.0190	Pulse	0.5000	3
Cr	52	45	He	0.596	ppb	21.6	810.05	0.0721	Pulse	0.1000	3
Mn	55	45	He	33.461	ppb	7.9	6621.78	0.5900	Pulse	0.1000	3
Fe	57	72	He	673.719	ppb	9.5	7288.80	0.3020	Pulse	0.1000	3
Co	59	72	He	0.114	ppb	44.3	246.68	0.0102	Pulse	0.1000	3
Ni	60	72	He	0.118	ppb	151.1	186.67	0.0078	Pulse	0.1000	3
Cu	63	72	He	0.351	ppb	17.4	493.36	0.0204	Pulse	0.1000	3
Zn	66	72	He	2.177	ppb	33.5	253.35	0.0104	Pulse	0.1000	3
As	75	45	He	0.360	ppb	16.6	30.67	0.0027	Pulse	0.5000	3
Sr	88	159	He	67.022	ppb	1.0	16310.25	0.0935	Pulse	0.1000	3
Mo	98	159	He	0.414	ppb	22.3	436.69	0.0025	Pulse	0.1000	3
Ag	107	159	He	-0.003	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	221.6	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.720	ppb	N/A	1453.47	0.0083	Pulse	0.1000	3
Sb	121	159	He	0.008	ppb	328.6	16.67	0.0001	Pulse	0.1000	3
Ba	137	159	He	212.434	ppb	2.1	33793.66	0.1938	Pulse	0.1000	3
Tl	205	159	He	-0.016	ppb	N/A	150.01	0.0009	Pulse	0.1000	3
Pb	208	159	He	0.328	ppb	9.8	1423.47	0.0082	Pulse	0.1000	3
U	238	209	He	0.499	ppb	4.7	4674.37	0.0344	Pulse	0.1000	3

ISTD Table:

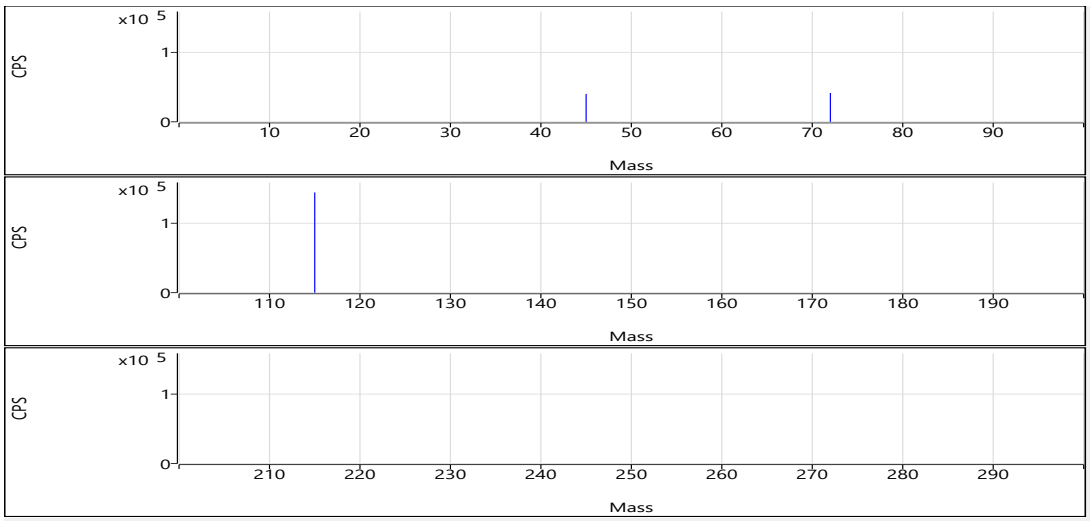
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1003788.40	0.7	96.0	Analog	0.1000	3
No Gas	Ge	72	582558.98	1.1	96.9	Pulse	0.1000	3
H2	Sc	45	39883.98	1.1	94.4	Pulse	0.1000	3
H2	Ge	72	41208.64	1.1	93.9	Pulse	0.1000	3
H2	In	115	143327.76	0.8	95.1	Pulse	0.1000	3
He	Sc	45	11231.47	1.8	98.3	Pulse	0.1000	3
He	Ge	72	24201.79	4.5	95.5	Pulse	0.1000	3
He	In	115	26055.79	2.6	95.5	Pulse	0.1000	3
He	Tb	159	174355.25	0.9	98.8	Pulse	0.1000	3
He	Bi	209	135757.63	1.9	100.7	Pulse	0.1000	3

No Gas

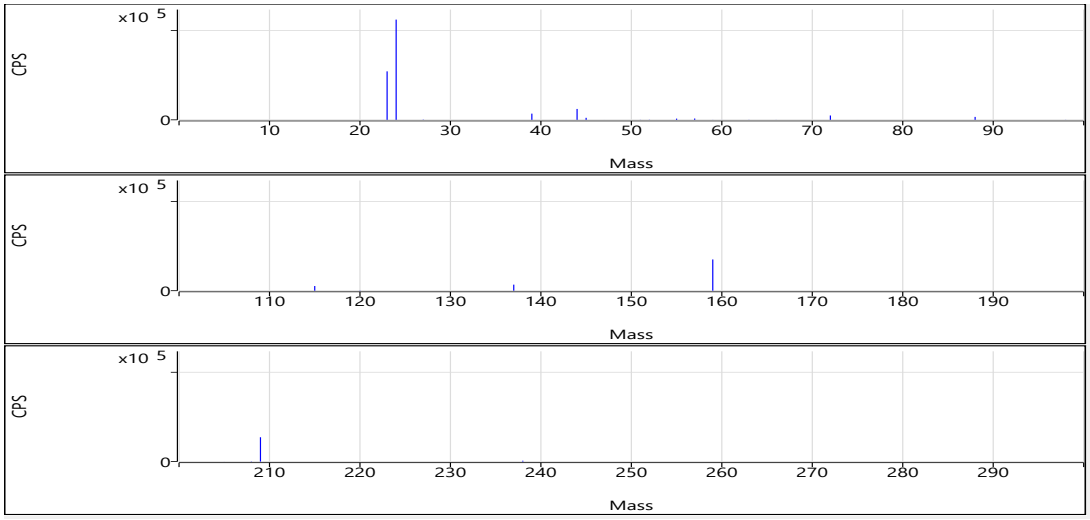


H2



Quantitation Report

He



Quantitation Report

Data File Name	220_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/12/2025 11:58:59 PM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

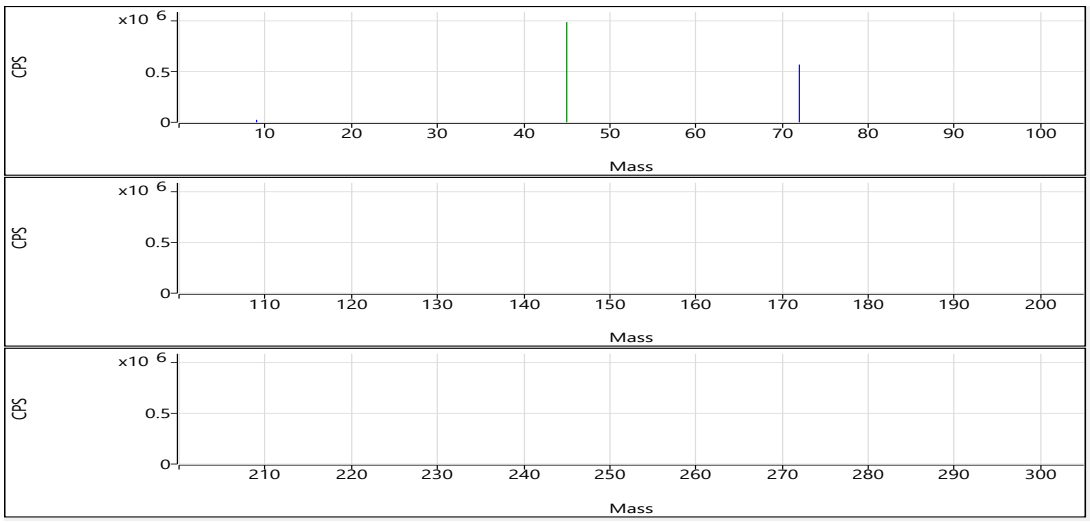
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.706	ug/L	0.6	24186.16	0.0246	Pulse	0.5000	3
Se	78	72	H2	51.017	ppb	2.2	1259.84	0.0309	Pulse	1.5000	3
Na	23	72	He	4979.105	ug/L	2.3	216237.70	9.2595	Pulse	0.1000	3
Mg	24	72	He	4930.999	ug/L	2.4	107353.80	4.5971	Pulse	0.1000	3
Al	27	72	He	4882.206	ug/L	1.4	29060.16	1.2442	Pulse	0.1000	3
K	39	72	He	5002.898	ppb	0.4	63536.27	2.7199	Pulse	0.1000	3
Ca	44	72	He	4897.124	ppb	7.1	4007.38	0.1716	Pulse	0.1000	3
Ti	47	159	He	4898.592	ppb	2.3	35605.68	0.2051	Pulse	0.1000	3
V	51	72	He	499.092	ppb	1.8	183196.52	7.8442	Pulse	0.5000	3
Cr	52	45	He	498.906	ppb	2.6	253682.50	23.3052	Pulse	0.1000	3
Mn	55	45	He	496.618	ppb	1.2	94658.67	8.6934	Pulse	0.1000	3
Fe	57	72	He	4893.665	ppb	3.1	50706.00	2.1716	Pulse	0.1000	3
Co	59	72	He	482.884	ppb	2.8	577421.20	24.7276	Pulse	0.1000	3
Ni	60	72	He	505.616	ppb	3.1	172566.83	7.3904	Pulse	0.1000	3
Cu	63	72	He	507.207	ppb	2.3	512914.85	21.9640	Pulse	0.1000	3
Zn	66	72	He	501.063	ppb	3.3	45418.20	1.9452	Pulse	0.1000	3
As	75	45	He	507.896	ppb	2.5	27856.58	2.5591	Pulse	0.5000	3
Sr	88	159	He	46.969	ppb	5.0	11485.14	0.0662	Pulse	0.1000	3
Mo	98	159	He	49.254	ppb	2.1	44804.52	0.2581	Pulse	0.1000	3
Ag	107	159	He	49.330	ppb	2.5	106700.34	0.6146	Pulse	0.1000	3
Cd	111	159	He	48.795	ppb	1.2	10126.48	0.0583	Pulse	0.5000	3
Sn	120	159	He	47.812	ppb	1.7	28447.61	0.1638	Pulse	0.1000	3
Sb	121	159	He	49.716	ppb	2.4	22259.02	0.1282	Pulse	0.1000	3
Ba	137	159	He	484.211	ppb	1.7	75635.29	0.4356	Pulse	0.1000	3
Tl	205	159	He	49.885	ppb	1.2	274415.43	1.5801	Pulse	0.1000	3
Pb	208	159	He	49.532	ppb	0.5	189831.00	1.0930	Pulse	0.1000	3
U	238	209	He	49.390	ppb	1.1	438781.04	3.2825	Pulse	0.1000	3

ISTD Table:

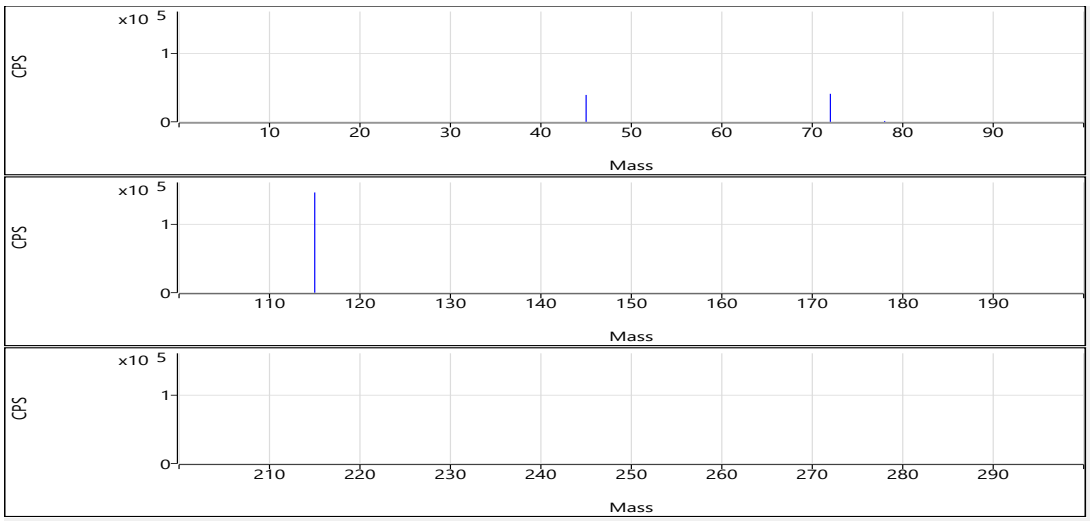
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	984784.49	0.5	94.2	Analog	0.1000	3
No Gas	Ge	72	567146.98	0.3	94.3	Pulse	0.1000	3
H2	Sc	45	39201.91	1.7	92.7	Pulse	0.1000	3
H2	Ge	72	40844.04	2.3	93.1	Pulse	0.1000	3
H2	In	115	146163.98	1.5	97.0	Pulse	0.1000	3
He	Sc	45	10891.22	3.3	95.4	Pulse	0.1000	3
He	Ge	72	23360.21	2.1	92.2	Pulse	0.1000	3
He	In	115	26132.73	2.2	95.7	Pulse	0.1000	3
He	Tb	159	173668.59	2.0	98.5	Pulse	0.1000	3
He	Bi	209	133699.81	2.9	99.1	Pulse	0.1000	3

No Gas

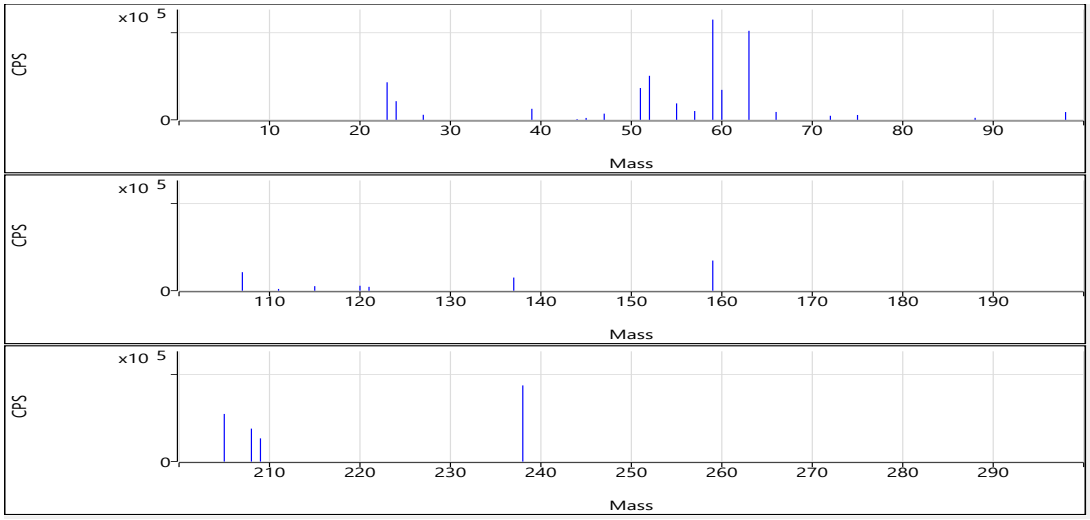


H2



Quantitation Report

He



Quantitation Report

Data File Name	222_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:03:00 AM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

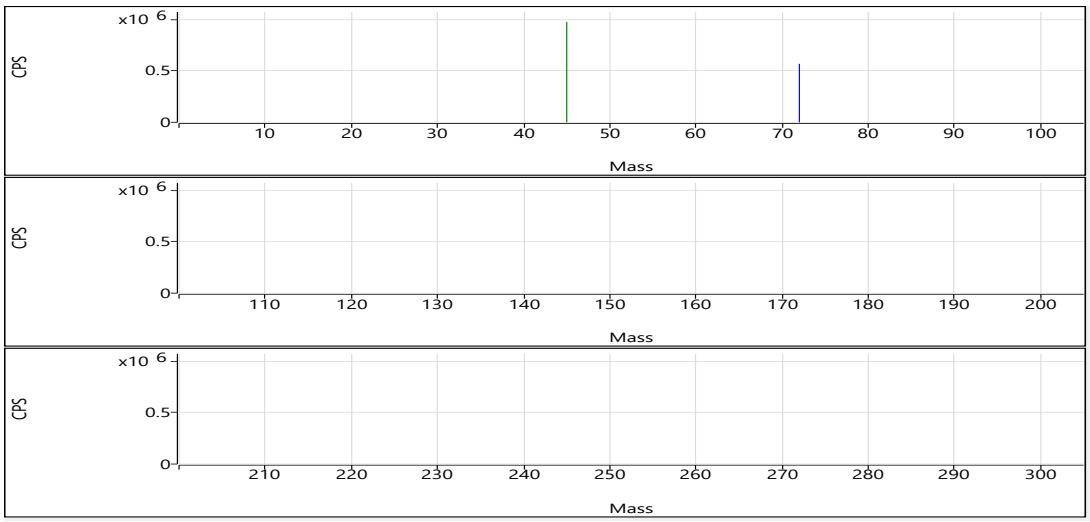
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.024	ug/L	N/A	12.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.039	ppb	N/A	1.11	0.0000	Pulse	1.5000	3
Na	23	72	He	-7.803	ug/L	N/A	4971.05	0.2092	Pulse	0.1000	3
Mg	24	72	He	4.980	ug/L	37.7	260.01	0.0110	Pulse	0.1000	3
Al	27	72	He	-1.751	ug/L	N/A	33.33	0.0014	Pulse	0.1000	3
K	39	72	He	10.572	ppb	108.3	2033.56	0.0855	Pulse	0.1000	3
Ca	44	72	He	48.996	ppb	120.5	63.33	0.0026	Pulse	0.1000	3
Ti	47	159	He	0.472	ppb	504.9	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.046	ppb	161.2	126.67	0.0053	Pulse	0.5000	3
Cr	52	45	He	-0.102	ppb	N/A	416.69	0.0395	Pulse	0.1000	3
Mn	55	45	He	0.480	ppb	7.5	136.68	0.0130	Pulse	0.1000	3
Fe	57	72	He	3.381	ppb	98.0	120.01	0.0050	Pulse	0.1000	3
Co	59	72	He	-0.014	ppb	N/A	86.67	0.0036	Pulse	0.1000	3
Ni	60	72	He	0.152	ppb	38.1	196.68	0.0083	Pulse	0.1000	3
Cu	63	72	He	0.105	ppb	67.0	233.35	0.0098	Pulse	0.1000	3
Zn	66	72	He	-0.151	ppb	N/A	33.33	0.0014	Pulse	0.1000	3
As	75	45	He	-0.070	ppb	N/A	6.00	0.0006	Pulse	0.5000	3
Sr	88	159	He	-0.740	ppb	N/A	173.34	0.0010	Pulse	0.1000	3
Mo	98	159	He	-0.020	ppb	N/A	40.00	0.0002	Pulse	0.1000	3
Ag	107	159	He	0.005	ppb	161.3	40.00	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	212.1	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.003	ppb	N/A	1820.19	0.0106	Pulse	0.1000	3
Sb	121	159	He	0.016	ppb	141.4	20.00	0.0001	Pulse	0.1000	3
Ba	137	159	He	-3.169	ppb	N/A	346.68	0.0020	Pulse	0.1000	3
Tl	205	159	He	-0.023	ppb	N/A	113.34	0.0007	Pulse	0.1000	3
Pb	208	159	He	0.056	ppb	19.9	370.02	0.0022	Pulse	0.1000	3
U	238	209	He	-0.001	ppb	N/A	160.01	0.0012	Pulse	0.1000	3

ISTD Table:

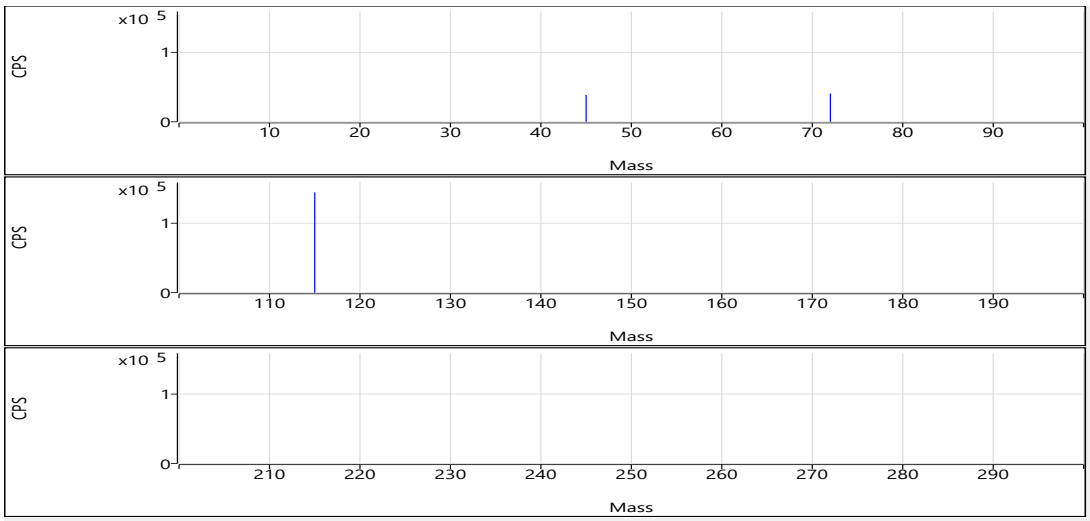
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	973656.58	0.7	93.1	Analog	0.1000	3
No Gas	Ge	72	567804.39	0.8	94.4	Pulse	0.1000	3
H2	Sc	45	38764.09	3.0	91.7	Pulse	0.1000	3
H2	Ge	72	40814.16	0.4	93.0	Pulse	0.1000	3
H2	In	115	144564.58	0.9	95.9	Pulse	0.1000	3
He	Sc	45	10540.91	0.8	92.3	Pulse	0.1000	3
He	Ge	72	23787.63	2.5	93.9	Pulse	0.1000	3
He	In	115	26159.40	2.7	95.8	Pulse	0.1000	3
He	Tb	159	171258.22	1.4	97.1	Pulse	0.1000	3
He	Bi	209	134589.04	2.5	99.8	Pulse	0.1000	3

No Gas

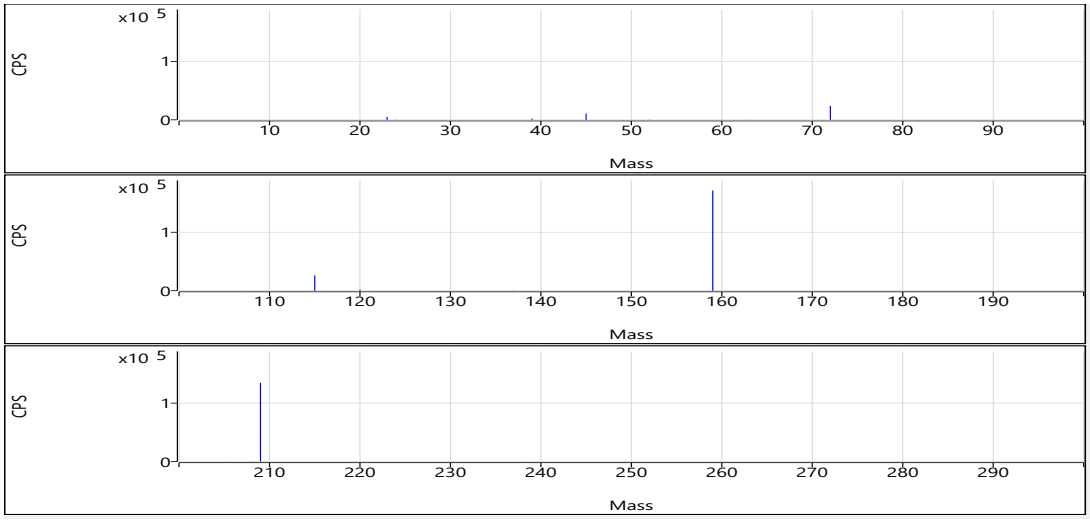


H2



Quantitation Report

He



Quantitation Report

Data File Name	223SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:05:01 AM
Sample Name	410-235003-G-9-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

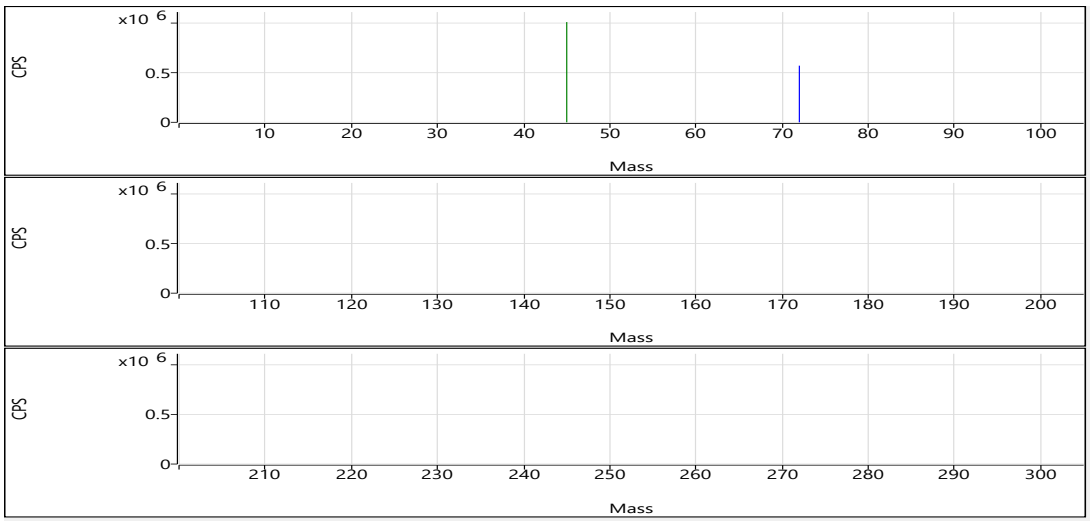
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.269	ppb	30.4	8.67	0.0002	Pulse	1.5000	3
Na	23	72	He	131291.731	ug/L	4.4	5643477.42	238.4945	Analog	0.1000	3
Mg	24	72	He	13545.097	ug/L	4.6	298540.02	12.6168	Pulse	0.1000	3
Al	27	72	He	-2.313	ug/L	N/A	30.00	0.0013	Pulse	0.1000	3
K	39	72	He	2964.380	ppb	2.0	38961.10	1.6442	Pulse	0.1000	3
Ca	44	72	He	142798.165	ppb	4.8	117754.10	4.9768	Pulse	0.1000	3
Ti	47	159	He	0.478	ppb	4.4	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.075	ppb	37.7	136.67	0.0058	Pulse	0.5000	3
Cr	52	45	He	0.533	ppb	7.6	746.71	0.0691	Pulse	0.1000	3
Mn	55	45	He	0.766	ppb	52.5	193.34	0.0180	Pulse	0.1000	3
Fe	57	72	He	94.143	ppb	5.1	1073.42	0.0453	Pulse	0.1000	3
Co	59	72	He	0.199	ppb	8.8	343.35	0.0145	Pulse	0.1000	3
Ni	60	72	He	1.443	ppb	9.5	643.37	0.0271	Pulse	0.1000	3
Cu	63	72	He	11.673	ppb	5.0	12088.97	0.5106	Pulse	0.1000	3
Zn	66	72	He	21.288	ppb	10.7	1996.89	0.0845	Pulse	0.1000	3
As	75	45	He	0.098	ppb	73.6	15.33	0.0014	Pulse	0.5000	3
Sr	88	159	He	1138.416	ppb	2.2	269211.15	1.5567	Pulse	0.1000	3
Mo	98	159	He	0.031	ppb	51.0	86.67	0.0005	Pulse	0.1000	3
Ag	107	159	He	0.076	ppb	23.7	193.34	0.0011	Pulse	0.1000	3
Cd	111	159	He	0.007	ppb	165.5	4.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.355	ppb	N/A	1643.51	0.0095	Pulse	0.1000	3
Sb	121	159	He	0.038	ppb	60.2	30.00	0.0002	Pulse	0.1000	3
Ba	137	159	He	49.720	ppb	6.3	8486.35	0.0491	Pulse	0.1000	3
Tl	205	159	He	-0.009	ppb	N/A	190.01	0.0011	Pulse	0.1000	3
Pb	208	159	He	0.259	ppb	6.0	1146.77	0.0066	Pulse	0.1000	3
U	238	209	He	0.472	ppb	6.8	4227.54	0.0326	Pulse	0.1000	3

ISTD Table:

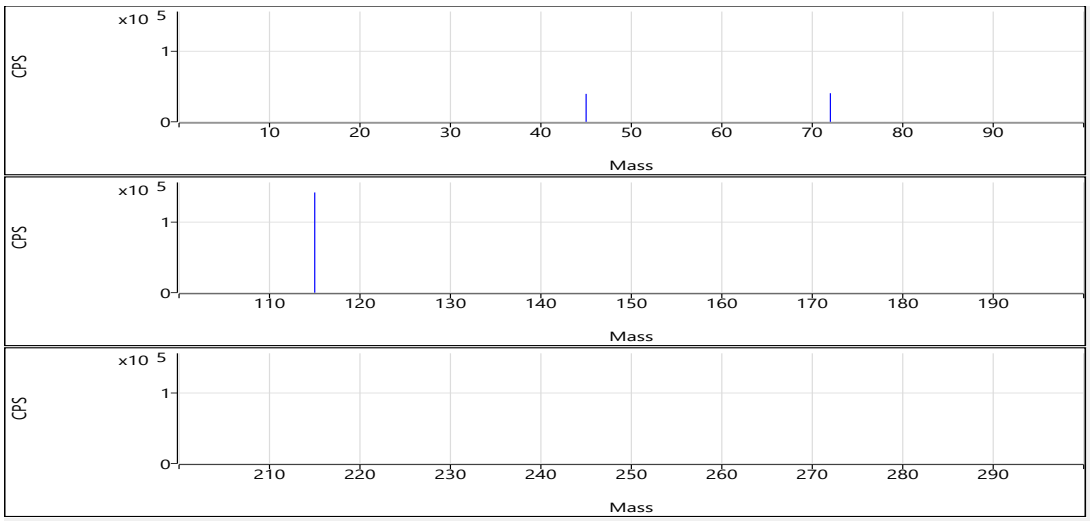
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1011750.84	0.5	96.8	Analog	0.1000	3
No Gas	Ge	72	571690.98	0.8	95.1	Pulse	0.1000	3
H2	Sc	45	39783.34	2.7	94.1	Pulse	0.1000	3
H2	Ge	72	40697.29	3.6	92.8	Pulse	0.1000	3
H2	In	115	142680.22	0.6	94.7	Pulse	0.1000	3
He	Sc	45	10801.16	1.4	94.6	Pulse	0.1000	3
He	Ge	72	23694.12	4.5	93.5	Pulse	0.1000	3
He	In	115	25842.08	1.8	94.7	Pulse	0.1000	3
He	Tb	159	172970.41	1.5	98.1	Pulse	0.1000	3
He	Bi	209	129604.12	0.7	96.1	Pulse	0.1000	3

No Gas

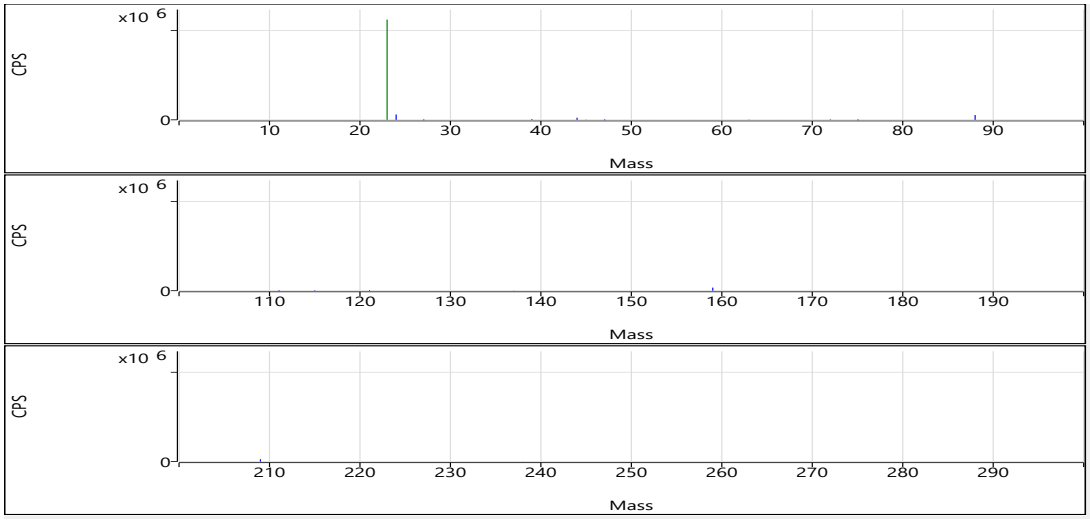


H2



Quantitation Report

He



Quantitation Report

Data File Name	224SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:07:02 AM
Sample Name	410-235032-G-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

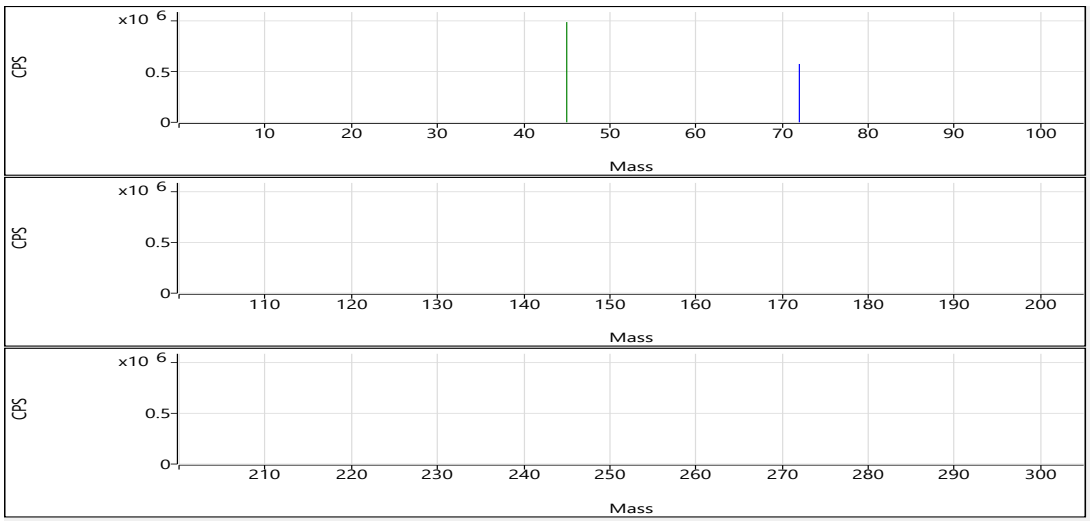
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.012	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.073	ppb	64.1	4.00	0.0001	Pulse	1.5000	3
Na	23	72	He	52368.226	ug/L	1.8	2350231.74	95.2624	Analog	0.1000	3
Mg	24	72	He	12323.684	ug/L	1.7	283220.47	11.4797	Pulse	0.1000	3
Al	27	72	He	-5.111	ug/L	N/A	13.33	0.0005	Pulse	0.1000	3
K	39	72	He	3961.663	ppb	0.3	53555.49	2.1704	Pulse	0.1000	3
Ca	44	72	He	28172.498	ppb	0.5	24248.19	0.9826	Pulse	0.1000	3
Ti	47	159	He	-0.442	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.028	ppb	179.0	124.67	0.0050	Pulse	0.5000	3
Cr	52	45	He	-0.117	ppb	N/A	416.70	0.0388	Pulse	0.1000	3
Mn	55	45	He	102.152	ppb	1.0	19236.99	1.7918	Pulse	0.1000	3
Fe	57	72	He	2.386	ppb	159.1	113.34	0.0046	Pulse	0.1000	3
Co	59	72	He	0.408	ppb	27.9	623.37	0.0252	Pulse	0.1000	3
Ni	60	72	He	1.352	ppb	6.8	636.71	0.0258	Pulse	0.1000	3
Cu	63	72	He	1.694	ppb	12.3	1936.87	0.0786	Pulse	0.1000	3
Zn	66	72	He	2.307	ppb	25.4	270.01	0.0109	Pulse	0.1000	3
As	75	45	He	-0.034	ppb	N/A	8.00	0.0008	Pulse	0.5000	3
Sr	88	159	He	178.552	ppb	2.7	42750.62	0.2459	Pulse	0.1000	3
Mo	98	159	He	0.015	ppb	37.8	73.33	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.002	ppb	570.9	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.270	ppb	24.5	59.33	0.0003	Pulse	0.5000	3
Sn	120	159	He	-0.677	ppb	N/A	1473.47	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.023	ppb	246.7	23.33	0.0001	Pulse	0.1000	3
Ba	137	159	He	17.158	ppb	14.0	3497.28	0.0201	Pulse	0.1000	3
Tl	205	159	He	-0.019	ppb	N/A	133.34	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.075	ppb	17.6	446.69	0.0026	Pulse	0.1000	3
U	238	209	He	0.006	ppb	28.8	220.01	0.0017	Pulse	0.1000	3

ISTD Table:

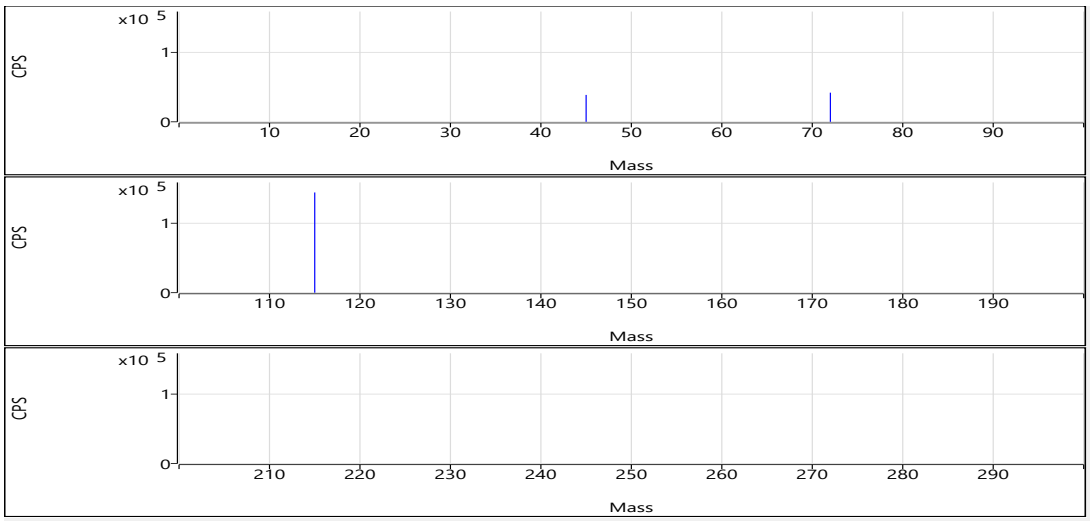
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	990822.49	1.2	94.8	Analog	0.1000	3
No Gas	Ge	72	576580.15	0.9	95.9	Pulse	0.1000	3
H2	Sc	45	38964.87	0.8	92.2	Pulse	0.1000	3
H2	Ge	72	42205.16	1.4	96.2	Pulse	0.1000	3
H2	In	115	145170.82	1.9	96.3	Pulse	0.1000	3
He	Sc	45	10737.79	2.6	94.0	Pulse	0.1000	3
He	Ge	72	24675.99	1.6	97.4	Pulse	0.1000	3
He	In	115	26660.35	2.2	97.7	Pulse	0.1000	3
He	Tb	159	173904.39	0.7	98.6	Pulse	0.1000	3
He	Bi	209	132931.99	2.1	98.6	Pulse	0.1000	3

No Gas

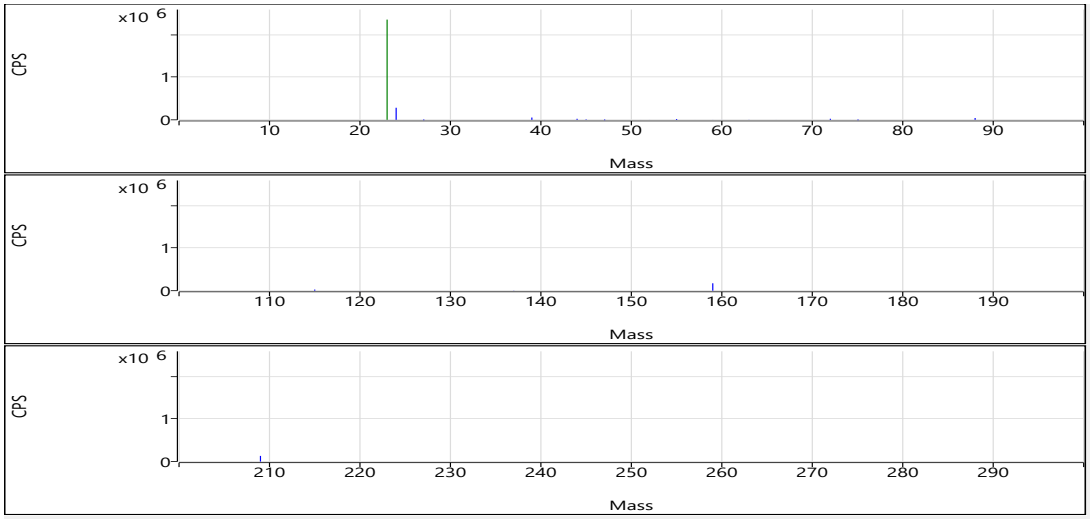


H2



Quantitation Report

He



Quantitation Report

Data File Name	225SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:09:03 AM
Sample Name	180-193966-Z-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

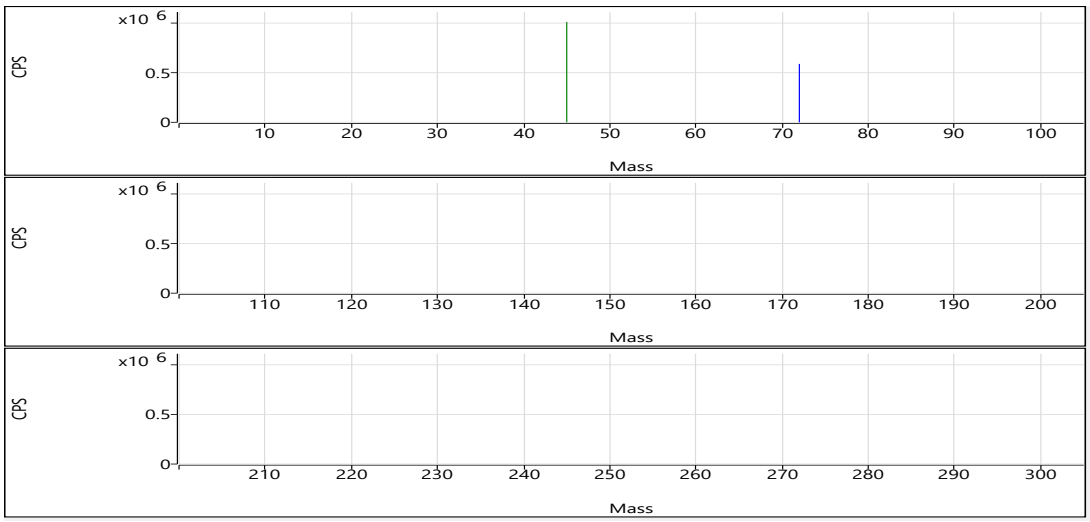
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	0.006	ug/L	132.1	28.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.121	ppb	89.1	5.11	0.0001	Pulse	1.5000	3
Na	23	72	He	8467.537	ug/L	0.5	389079.05	15.5904	Pulse	0.1000	3
Mg	24	72	He	6990.808	ug/L	1.7	162583.62	6.5148	Pulse	0.1000	3
Al	27	72	He	221.820	ug/L	16.6	1453.72	0.0583	Pulse	0.1000	3
K	39	72	He	2684.464	ppb	0.5	37346.97	1.4964	Pulse	0.1000	3
Ca	44	72	He	36397.911	ppb	0.5	31676.32	1.2692	Pulse	0.1000	3
Ti	47	159	He	1.859	ppb	148.5	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.779	ppb	14.6	420.01	0.0168	Pulse	0.5000	3
Cr	52	45	He	0.074	ppb	194.2	530.03	0.0477	Pulse	0.1000	3
Mn	55	45	He	482.108	ppb	4.7	93584.70	8.4396	Pulse	0.1000	3
Fe	57	72	He	417.210	ppb	2.4	4700.96	0.1884	Pulse	0.1000	3
Co	59	72	He	0.325	ppb	14.4	523.36	0.0210	Pulse	0.1000	3
Ni	60	72	He	0.885	ppb	21.4	473.36	0.0190	Pulse	0.1000	3
Cu	63	72	He	1.197	ppb	12.6	1423.46	0.0571	Pulse	0.1000	3
Zn	66	72	He	1.488	ppb	34.3	193.34	0.0077	Pulse	0.1000	3
As	75	45	He	2.586	ppb	10.8	155.33	0.0139	Pulse	0.5000	3
Sr	88	159	He	274.496	ppb	1.9	65128.35	0.3769	Pulse	0.1000	3
Mo	98	159	He	3.725	ppb	3.2	3427.22	0.0198	Pulse	0.1000	3
Ag	107	159	He	-0.003	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	0.013	ppb	126.5	6.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.671	ppb	N/A	1466.80	0.0085	Pulse	0.1000	3
Sb	121	159	He	0.180	ppb	25.8	93.34	0.0005	Pulse	0.1000	3
Ba	137	159	He	90.339	ppb	2.5	14725.34	0.0852	Pulse	0.1000	3
Tl	205	159	He	-0.018	ppb	N/A	140.01	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.345	ppb	10.2	1473.48	0.0085	Pulse	0.1000	3
U	238	209	He	0.489	ppb	10.2	4611.02	0.0337	Pulse	0.1000	3

ISTD Table:

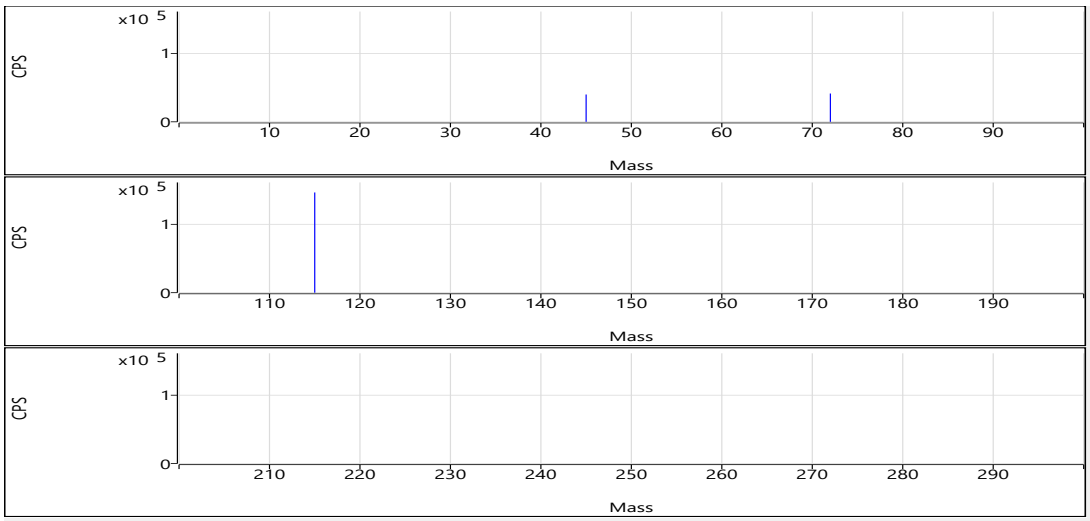
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1008665.69	1.2	96.5	Analog	0.1000	3
No Gas	Ge	72	587573.94	1.5	97.7	Pulse	0.1000	3
H2	Sc	45	39813.60	0.5	94.2	Pulse	0.1000	3
H2	Ge	72	41232.15	3.0	94.0	Pulse	0.1000	3
H2	In	115	146087.54	0.4	96.9	Pulse	0.1000	3
He	Sc	45	11104.79	4.7	97.2	Pulse	0.1000	3
He	Ge	72	24956.60	0.6	98.5	Pulse	0.1000	3
He	In	115	27044.47	1.2	99.1	Pulse	0.1000	3
He	Tb	159	172809.85	0.1	98.0	Pulse	0.1000	3
He	Bi	209	136678.29	1.3	101.3	Pulse	0.1000	3

No Gas

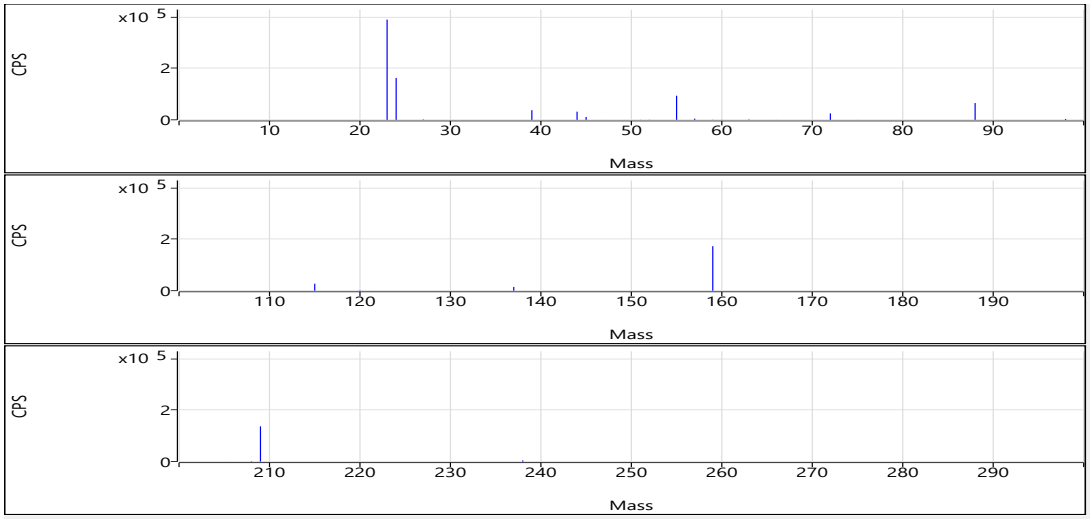


H2



Quantitation Report

He



Quantitation Report

Data File Name	226SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:11:03 AM
Sample Name	410-234860-N-4-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

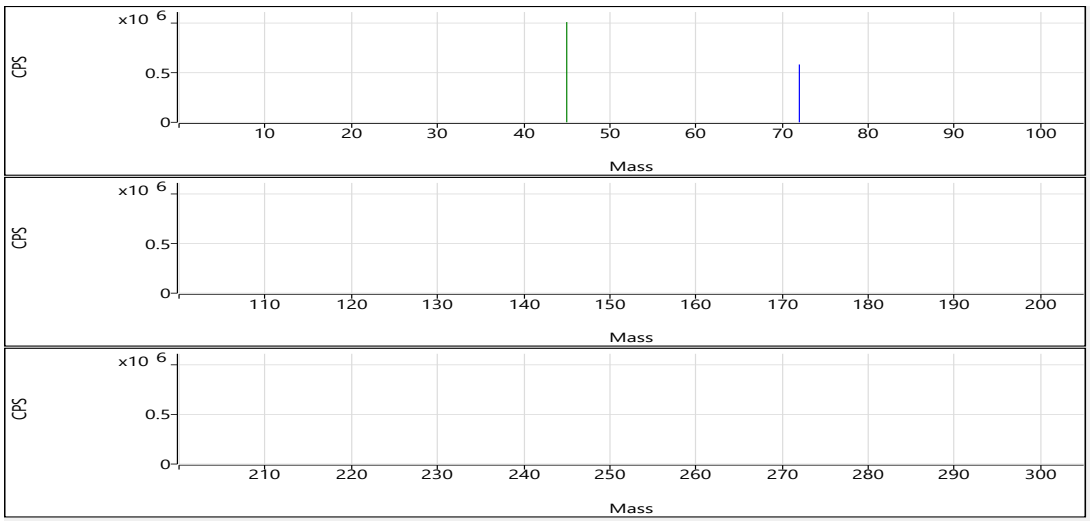
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.019	ug/L	N/A	15.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.089	ppb	81.0	4.22	0.0001	Pulse	1.5000	3
Na	23	72	He	75761.599	ug/L	4.1	3375418.39	137.7172	Analog	0.1000	3
Mg	24	72	He	13528.179	ug/L	4.6	308801.49	12.6011	Pulse	0.1000	3
Al	27	72	He	1.853	ug/L	272.2	56.67	0.0023	Pulse	0.1000	3
K	39	72	He	8639.351	ppb	2.9	113733.29	4.6388	Pulse	0.1000	3
Ca	44	72	He	60401.216	ppb	3.1	51621.69	2.1057	Pulse	0.1000	3
Ti	47	159	He	-0.442	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.210	ppb	50.3	193.33	0.0079	Pulse	0.5000	3
Cr	52	45	He	-0.113	ppb	N/A	420.02	0.0390	Pulse	0.1000	3
Mn	55	45	He	591.916	ppb	1.4	111642.27	10.3608	Pulse	0.1000	3
Fe	57	72	He	22308.870	ppb	3.6	242359.36	9.8869	Pulse	0.1000	3
Co	59	72	He	0.343	ppb	12.0	536.70	0.0219	Pulse	0.1000	3
Ni	60	72	He	0.206	ppb	64.0	223.34	0.0091	Pulse	0.1000	3
Cu	63	72	He	0.763	ppb	15.1	940.07	0.0383	Pulse	0.1000	3
Zn	66	72	He	23.185	ppb	8.1	2250.26	0.0919	Pulse	0.1000	3
As	75	45	He	242.728	ppb	2.3	13181.67	1.2235	Pulse	0.5000	3
Sr	88	159	He	374.822	ppb	1.6	88544.71	0.5139	Pulse	0.1000	3
Mo	98	159	He	2.161	ppb	8.6	2006.90	0.0116	Pulse	0.1000	3
Ag	107	159	He	-0.001	ppb	N/A	26.67	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.000	ppb	2951.9	3.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.343	ppb	N/A	1643.49	0.0095	Pulse	0.1000	3
Sb	121	159	He	0.399	ppb	22.6	190.01	0.0011	Pulse	0.1000	3
Ba	137	159	He	326.976	ppb	0.3	50954.95	0.2957	Pulse	0.1000	3
Tl	205	159	He	-0.026	ppb	N/A	96.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.610	ppb	4.7	2477.01	0.0144	Pulse	0.1000	3
U	238	209	He	0.013	ppb	64.1	286.68	0.0022	Pulse	0.1000	3

ISTD Table:

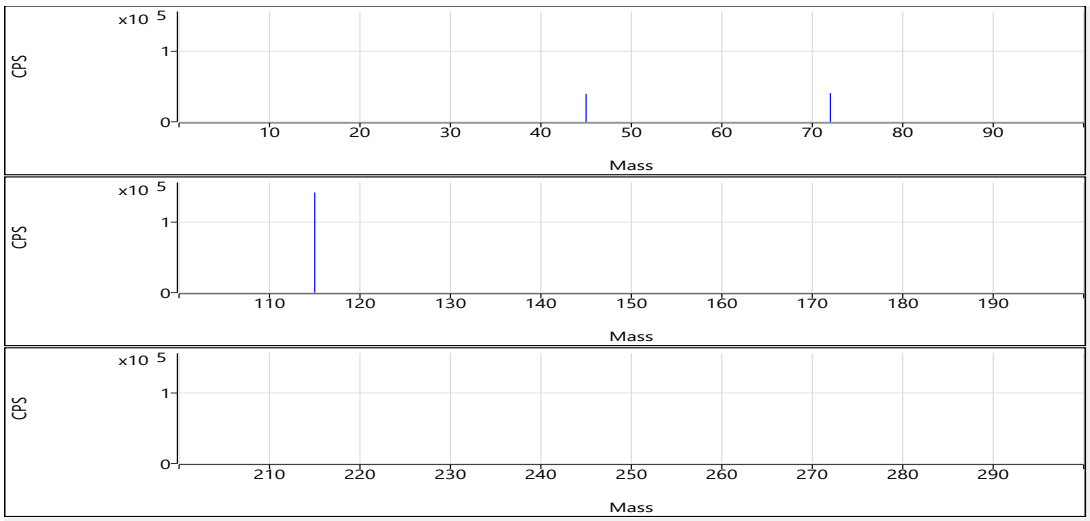
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1008369.18	0.3	96.5	Analog	0.1000	3
No Gas	Ge	72	581733.18	0.2	96.7	Pulse	0.1000	3
H2	Sc	45	39713.28	2.8	94.0	Pulse	0.1000	3
H2	Ge	72	40640.45	2.1	92.6	Pulse	0.1000	3
H2	In	115	142377.66	0.5	94.5	Pulse	0.1000	3
He	Sc	45	10777.83	2.6	94.4	Pulse	0.1000	3
He	Ge	72	24535.74	3.9	96.9	Pulse	0.1000	3
He	In	115	26379.87	1.2	96.6	Pulse	0.1000	3
He	Tb	159	172304.23	0.6	97.7	Pulse	0.1000	3
He	Bi	209	133521.86	2.9	99.0	Pulse	0.1000	3

No Gas

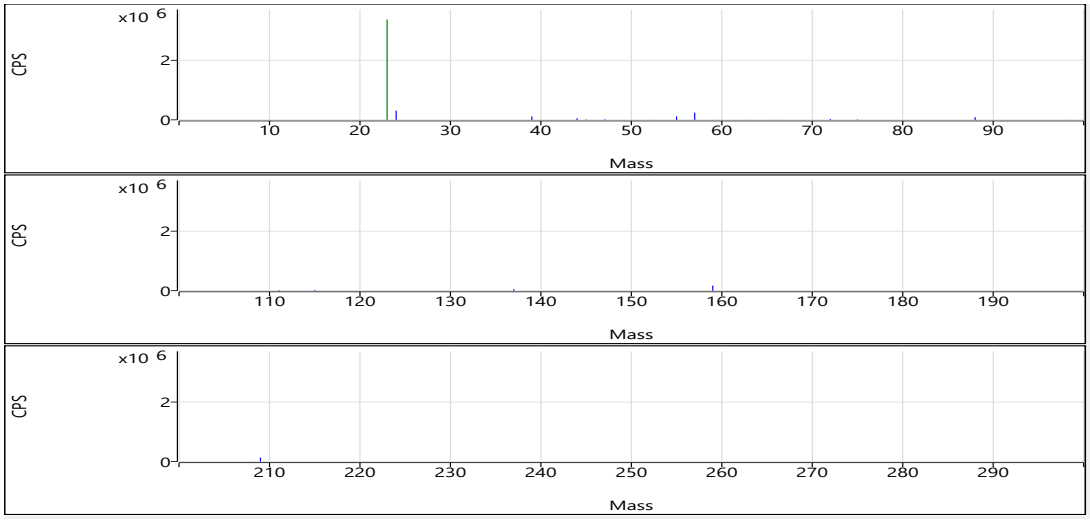


H2



Quantitation Report

He



Quantitation Report

Data File Name	227SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:13:03 AM
Sample Name	410-234860-N-1-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

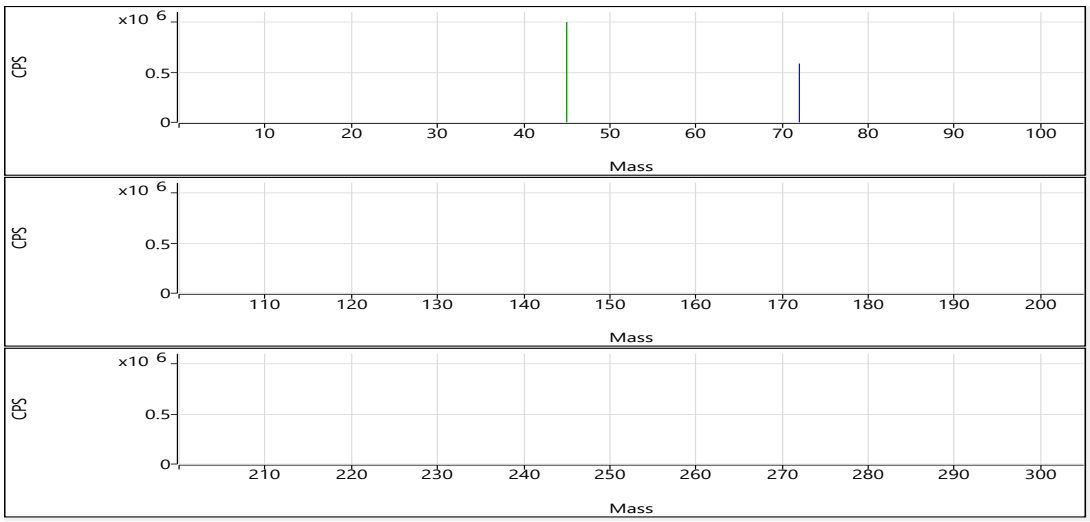
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.010	ug/L	N/A	20.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.049	ppb	N/A	0.89	0.0000	Pulse	1.5000	3
Na	23	72	He	291.670	ug/L	5.3	18422.47	0.7527	Pulse	0.1000	3
Mg	24	72	He	40.063	ug/L	8.7	1066.75	0.0436	Pulse	0.1000	3
Al	27	72	He	11.036	ug/L	75.3	113.34	0.0047	Pulse	0.1000	3
K	39	72	He	14.525	ppb	33.0	2143.57	0.0876	Pulse	0.1000	3
Ca	44	72	He	212.949	ppb	41.3	203.34	0.0083	Pulse	0.1000	3
Ti	47	159	He	-0.439	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.062	ppb	32.4	136.67	0.0056	Pulse	0.5000	3
Cr	52	45	He	-0.148	ppb	N/A	413.36	0.0374	Pulse	0.1000	3
Mn	55	45	He	0.273	ppb	101.7	103.34	0.0094	Pulse	0.1000	3
Fe	57	72	He	4.901	ppb	4.2	140.01	0.0057	Pulse	0.1000	3
Co	59	72	He	-0.024	ppb	N/A	76.67	0.0031	Pulse	0.1000	3
Ni	60	72	He	0.035	ppb	498.0	160.01	0.0066	Pulse	0.1000	3
Cu	63	72	He	0.225	ppb	4.9	366.69	0.0150	Pulse	0.1000	3
Zn	66	72	He	0.544	ppb	66.2	100.00	0.0041	Pulse	0.1000	3
As	75	45	He	0.068	ppb	83.6	14.00	0.0013	Pulse	0.5000	3
Sr	88	159	He	-0.468	ppb	N/A	240.01	0.0014	Pulse	0.1000	3
Mo	98	159	He	-0.025	ppb	N/A	36.67	0.0002	Pulse	0.1000	3
Ag	107	159	He	-0.003	ppb	N/A	23.33	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.215	ppb	N/A	1723.51	0.0099	Pulse	0.1000	3
Sb	121	159	He	0.045	ppb	74.7	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-2.525	ppb	N/A	450.02	0.0026	Pulse	0.1000	3
Tl	205	159	He	-0.026	ppb	N/A	96.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	0.093	ppb	19.6	516.70	0.0030	Pulse	0.1000	3
U	238	209	He	-0.006	ppb	N/A	116.67	0.0008	Pulse	0.1000	3

ISTD Table:

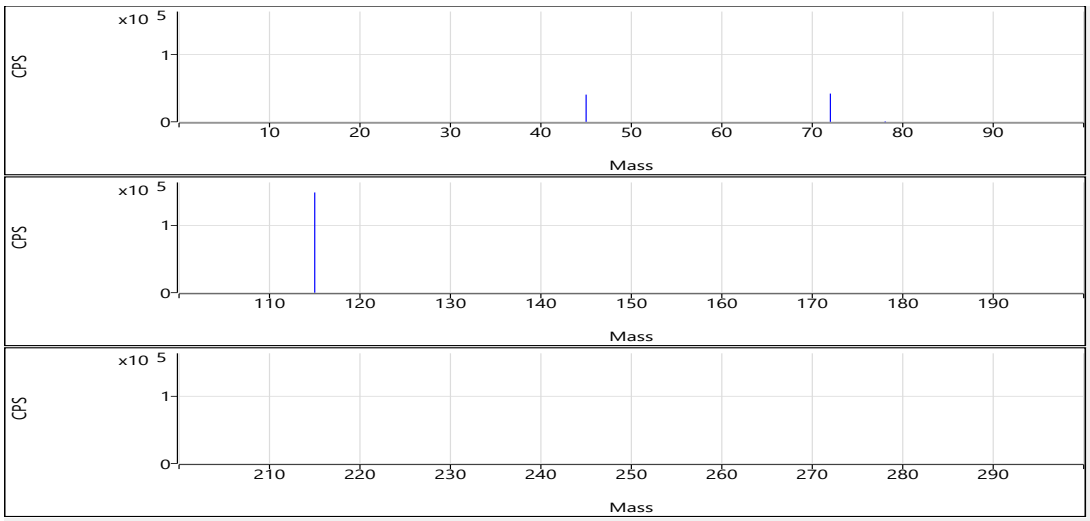
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1001253.48	0.5	95.8	Analog	0.1000	3
No Gas	Ge	72	587093.32	0.6	97.6	Pulse	0.1000	3
H2	Sc	45	40204.81	1.2	95.1	Pulse	0.1000	3
H2	Ge	72	41723.53	0.9	95.1	Pulse	0.1000	3
H2	In	115	148142.99	1.1	98.3	Pulse	0.1000	3
He	Sc	45	11037.97	3.1	96.6	Pulse	0.1000	3
He	Ge	72	24475.56	1.6	96.6	Pulse	0.1000	3
He	In	115	26590.17	2.2	97.4	Pulse	0.1000	3
He	Tb	159	173368.13	0.9	98.3	Pulse	0.1000	3
He	Bi	209	137330.69	2.3	101.8	Pulse	0.1000	3

No Gas

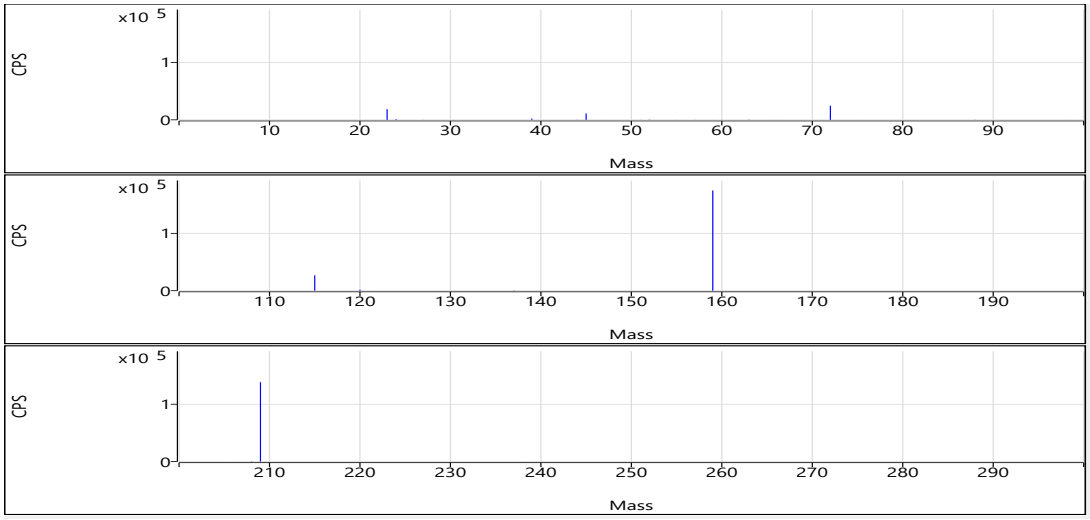


H2



Quantitation Report

He



Quantitation Report

Data File Name	228SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:15:03 AM
Sample Name	410-234860-N-3-A
Sample Type	Sample
Comment	MS-G5
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

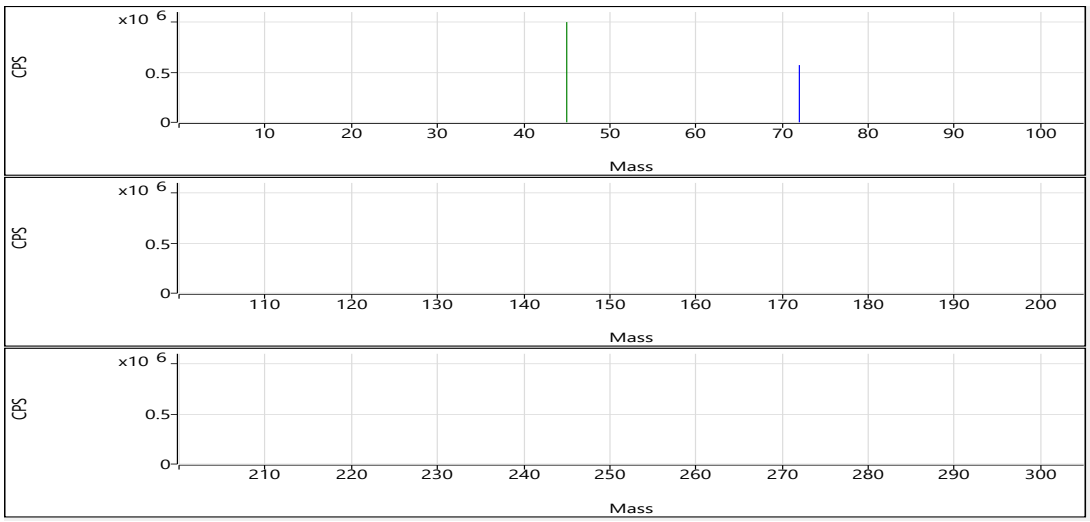
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.031	ug/L	N/A	9.33	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.105	ppb	25.1	4.67	0.0001	Pulse	1.5000	3
Na	23	72	He	114295.636	ug/L	1.5	4956723.36	207.6496	Analog	0.1000	3
Mg	24	72	He	21454.474	ug/L	1.3	476955.20	19.9805	Pulse	0.1000	3
Al	27	72	He	4.843	ug/L	80.5	73.33	0.0031	Pulse	0.1000	3
K	39	72	He	11578.877	ppb	1.3	147762.59	6.1899	Pulse	0.1000	3
Ca	44	72	He	94153.984	ppb	1.6	78340.30	3.2818	Pulse	0.1000	3
Ti	47	159	He	-0.435	ppb	N/A	3.33	0.0000	Pulse	0.1000	3
V	51	72	He	0.526	ppb	17.0	307.34	0.0129	Pulse	0.5000	3
Cr	52	45	He	0.078	ppb	156.7	520.03	0.0479	Pulse	0.1000	3
Mn	55	45	He	382.914	ppb	2.3	72738.71	6.7041	Pulse	0.1000	3
Fe	57	72	He	11170.492	ppb	2.8	118198.54	4.9523	Pulse	0.1000	3
Co	59	72	He	0.109	ppb	14.4	236.68	0.0099	Pulse	0.1000	3
Ni	60	72	He	0.017	ppb	765.7	150.01	0.0063	Pulse	0.1000	3
Cu	63	72	He	0.488	ppb	5.0	630.04	0.0264	Pulse	0.1000	3
Zn	66	72	He	12.673	ppb	4.5	1220.10	0.0511	Pulse	0.1000	3
As	75	45	He	102.159	ppb	1.4	5593.83	0.5155	Pulse	0.5000	3
Sr	88	159	He	744.918	ppb	0.7	174365.12	1.0193	Pulse	0.1000	3
Mo	98	159	He	0.009	ppb	451.2	66.67	0.0004	Pulse	0.1000	3
Ag	107	159	He	0.002	ppb	274.9	33.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	0.004	ppb	446.1	4.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	0.535	ppb	57.3	2113.57	0.0124	Pulse	0.1000	3
Sb	121	159	He	0.900	ppb	19.2	410.02	0.0024	Pulse	0.1000	3
Ba	137	159	He	234.552	ppb	3.3	36520.94	0.2135	Pulse	0.1000	3
Tl	205	159	He	-0.024	ppb	N/A	106.67	0.0006	Pulse	0.1000	3
Pb	208	159	He	3.151	ppb	1.7	12042.84	0.0704	Pulse	0.1000	3
U	238	209	He	0.002	ppb	151.9	176.68	0.0014	Pulse	0.1000	3

ISTD Table:

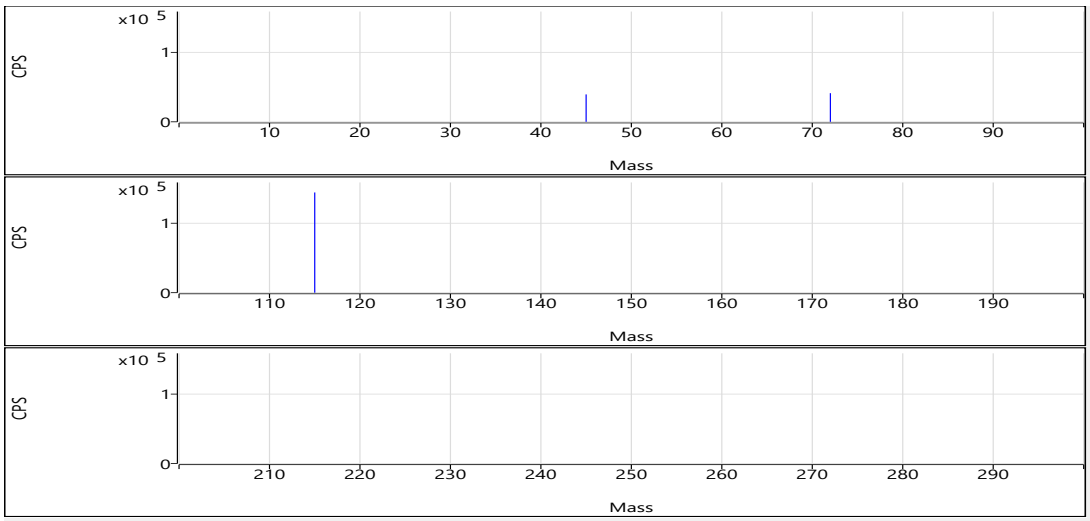
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	1003542.56	0.3	96.0	Analog	0.1000	3
No Gas	Ge	72	572876.76	0.1	95.3	Pulse	0.1000	3
H2	Sc	45	39198.63	1.2	92.7	Pulse	0.1000	3
H2	Ge	72	40951.17	0.3	93.3	Pulse	0.1000	3
H2	In	115	143367.80	1.1	95.1	Pulse	0.1000	3
He	Sc	45	10854.55	2.8	95.0	Pulse	0.1000	3
He	Ge	72	23874.55	1.7	94.3	Pulse	0.1000	3
He	In	115	26085.93	1.7	95.6	Pulse	0.1000	3
He	Tb	159	171069.14	0.5	97.0	Pulse	0.1000	3
He	Bi	209	129395.98	1.3	95.9	Pulse	0.1000	3

No Gas

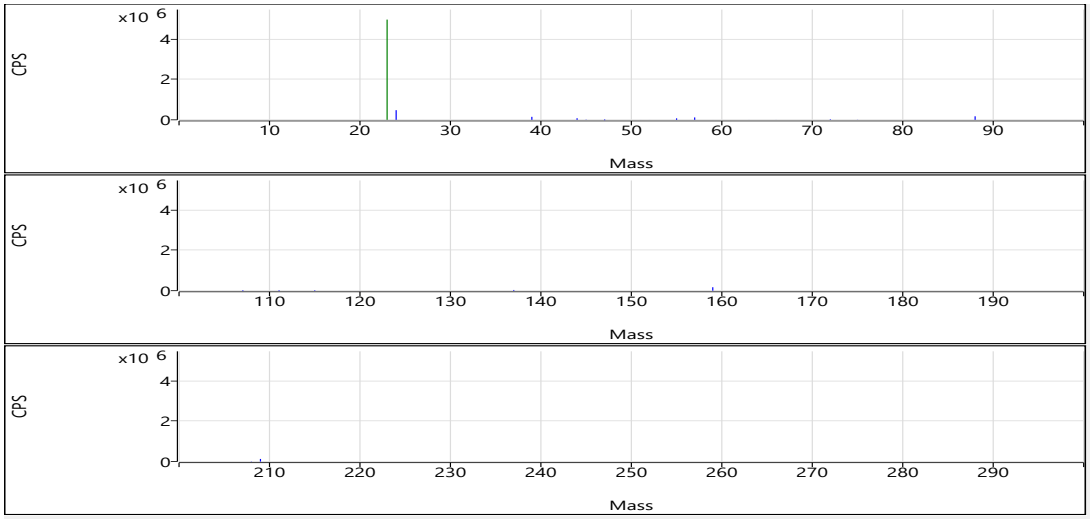


H2



Quantitation Report

He



Quantitation Report

Data File Name	230_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:19:05 AM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

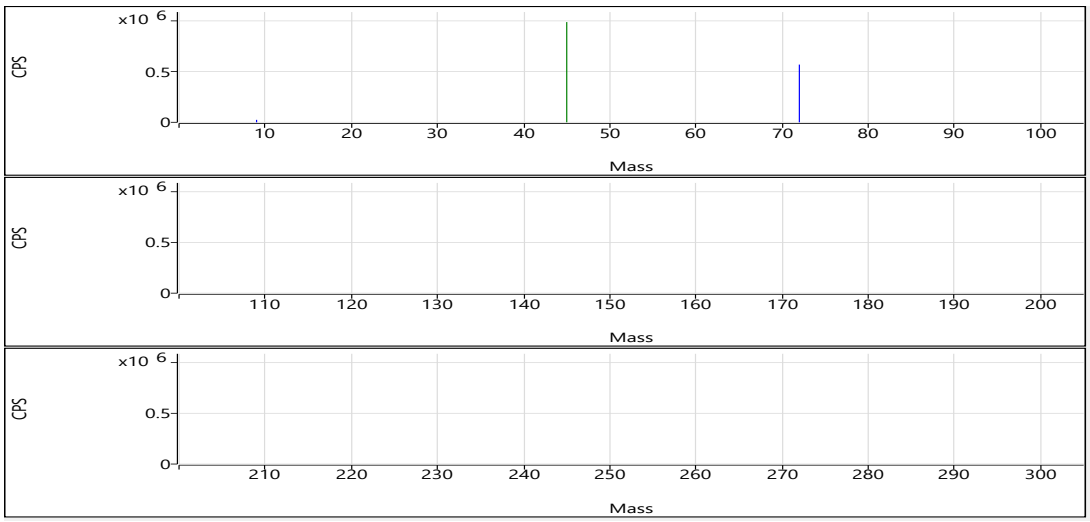
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.372	ug/L	2.2	24078.61	0.0244	Pulse	0.5000	3
Se	78	72	H2	50.195	ppb	4.3	1228.06	0.0304	Pulse	1.5000	3
Na	23	72	He	4956.182	ug/L	1.1	216056.46	9.2179	Pulse	0.1000	3
Mg	24	72	He	4921.366	ug/L	2.1	107528.39	4.5881	Pulse	0.1000	3
Al	27	72	He	5068.666	ug/L	2.6	30269.51	1.2916	Pulse	0.1000	3
K	39	72	He	4925.063	ppb	1.2	62786.40	2.6788	Pulse	0.1000	3
Ca	44	72	He	4776.972	ppb	3.5	3924.04	0.1674	Pulse	0.1000	3
Ti	47	159	He	4939.880	ppb	2.9	35438.86	0.2068	Pulse	0.1000	3
V	51	72	He	497.100	ppb	1.1	183121.05	7.8129	Pulse	0.5000	3
Cr	52	45	He	500.707	ppb	2.7	252600.07	23.3892	Pulse	0.1000	3
Mn	55	45	He	494.923	ppb	3.6	93554.76	8.6638	Pulse	0.1000	3
Fe	57	72	He	4910.896	ppb	1.2	51087.21	2.1792	Pulse	0.1000	3
Co	59	72	He	483.115	ppb	1.5	579827.73	24.7394	Pulse	0.1000	3
Ni	60	72	He	501.258	ppb	1.7	171715.64	7.3268	Pulse	0.1000	3
Cu	63	72	He	501.722	ppb	1.5	509210.05	21.7265	Pulse	0.1000	3
Zn	66	72	He	493.206	ppb	1.4	44879.82	1.9147	Pulse	0.1000	3
As	75	45	He	506.606	ppb	2.6	27567.34	2.5526	Pulse	0.5000	3
Sr	88	159	He	50.021	ppb	4.6	12052.34	0.0703	Pulse	0.1000	3
Mo	98	159	He	50.254	ppb	0.4	45118.89	0.2633	Pulse	0.1000	3
Ag	107	159	He	49.434	ppb	2.0	105542.59	0.6159	Pulse	0.1000	3
Cd	111	159	He	49.936	ppb	2.5	10226.56	0.0597	Pulse	0.5000	3
Sn	120	159	He	48.131	ppb	1.6	28250.45	0.1648	Pulse	0.1000	3
Sb	121	159	He	47.776	ppb	4.2	21113.79	0.1232	Pulse	0.1000	3
Ba	137	159	He	488.178	ppb	0.5	75255.91	0.4391	Pulse	0.1000	3
Tl	205	159	He	49.757	ppb	1.7	270086.08	1.5761	Pulse	0.1000	3
Pb	208	159	He	49.927	ppb	2.1	188798.71	1.1017	Pulse	0.1000	3
U	238	209	He	50.003	ppb	0.7	439916.69	3.3233	Pulse	0.1000	3

ISTD Table:

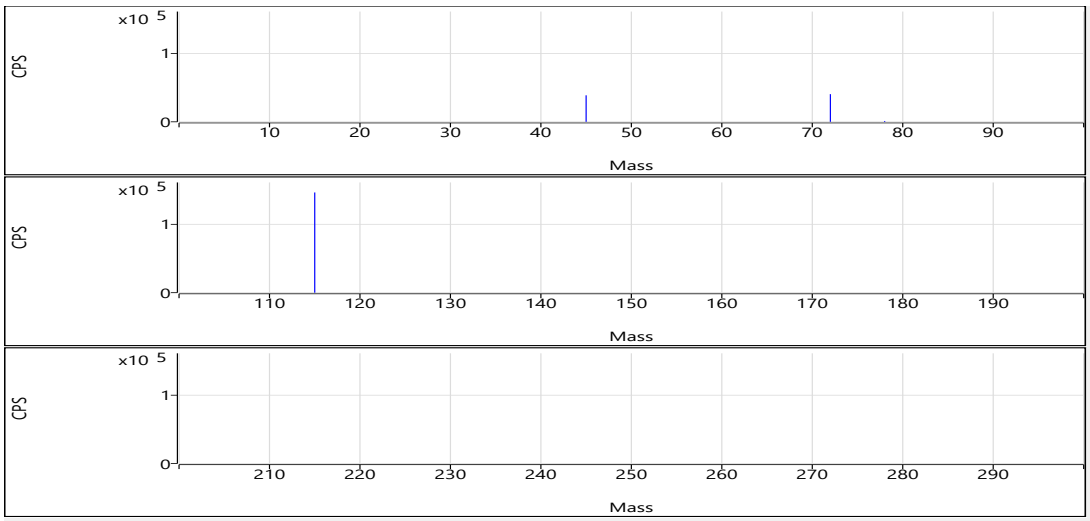
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	987208.09	0.2	94.4	Analog	0.1000	3
No Gas	Ge	72	568404.46	0.9	94.5	Pulse	0.1000	3
H2	Sc	45	38764.01	0.8	91.7	Pulse	0.1000	3
H2	Ge	72	40486.62	2.9	92.3	Pulse	0.1000	3
H2	In	115	146643.81	0.5	97.3	Pulse	0.1000	3
He	Sc	45	10804.46	2.5	94.6	Pulse	0.1000	3
He	Ge	72	23440.59	1.5	92.5	Pulse	0.1000	3
He	In	115	26239.50	1.4	96.1	Pulse	0.1000	3
He	Tb	159	171369.43	0.3	97.2	Pulse	0.1000	3
He	Bi	209	132386.21	2.0	98.2	Pulse	0.1000	3

No Gas

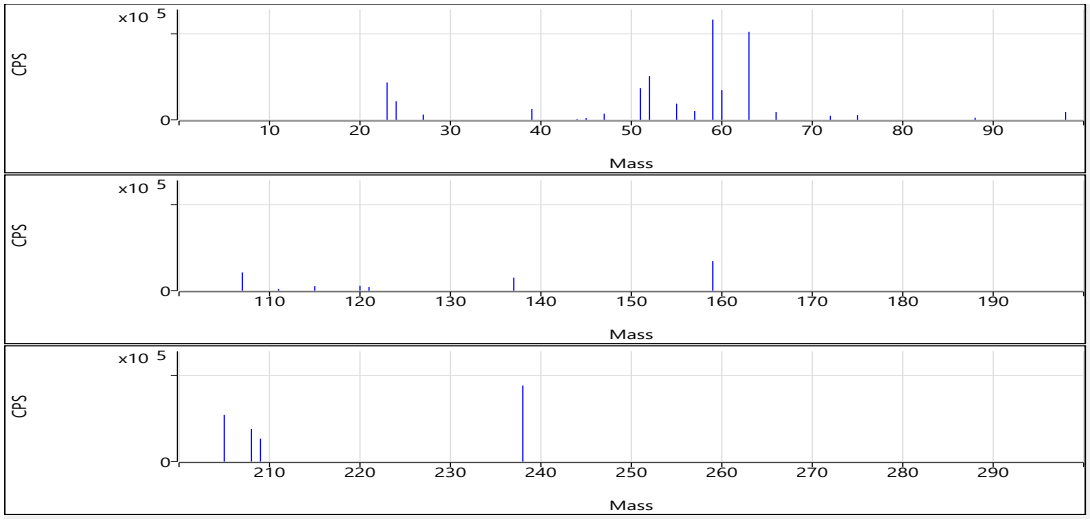


H2



Quantitation Report

He



Quantitation Report

Data File Name	232_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:23:05 AM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

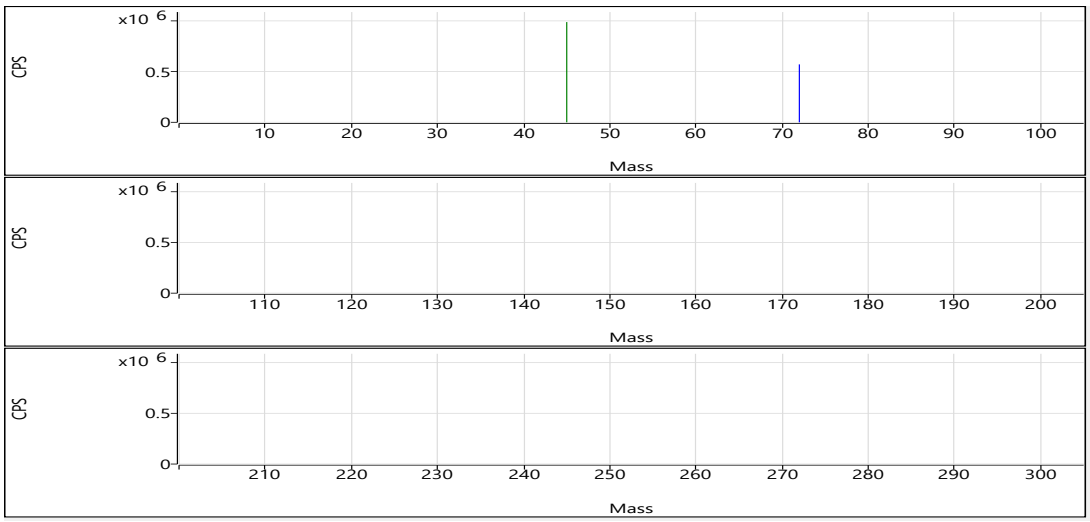
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.021	ug/L	N/A	14.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.066	ppb	N/A	0.45	0.0000	Pulse	1.5000	3
Na	23	72	He	-1.761	ug/L	N/A	5221.11	0.2201	Pulse	0.1000	3
Mg	24	72	He	4.556	ug/L	41.3	250.01	0.0106	Pulse	0.1000	3
Al	27	72	He	-3.367	ug/L	N/A	23.33	0.0010	Pulse	0.1000	3
K	39	72	He	16.965	ppb	13.3	2110.24	0.0888	Pulse	0.1000	3
Ca	44	72	He	42.352	ppb	46.3	56.67	0.0024	Pulse	0.1000	3
Ti	47	159	He	1.872	ppb	127.8	20.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.091	ppb	72.2	142.67	0.0060	Pulse	0.5000	3
Cr	52	45	He	0.020	ppb	495.1	493.36	0.0452	Pulse	0.1000	3
Mn	55	45	He	0.349	ppb	45.9	116.67	0.0107	Pulse	0.1000	3
Fe	57	72	He	2.706	ppb	135.1	113.34	0.0047	Pulse	0.1000	3
Co	59	72	He	-0.019	ppb	N/A	80.00	0.0034	Pulse	0.1000	3
Ni	60	72	He	-0.033	ppb	N/A	133.34	0.0056	Pulse	0.1000	3
Cu	63	72	He	0.089	ppb	42.8	216.68	0.0091	Pulse	0.1000	3
Zn	66	72	He	-0.218	ppb	N/A	26.67	0.0011	Pulse	0.1000	3
As	75	45	He	-0.097	ppb	N/A	4.67	0.0004	Pulse	0.5000	3
Sr	88	159	He	-0.557	ppb	N/A	216.68	0.0013	Pulse	0.1000	3
Mo	98	159	He	-0.013	ppb	N/A	46.67	0.0003	Pulse	0.1000	3
Ag	107	159	He	-0.004	ppb	N/A	20.00	0.0001	Pulse	0.1000	3
Cd	111	159	He	-0.003	ppb	N/A	2.67	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.068	ppb	N/A	1790.19	0.0104	Pulse	0.1000	3
Sb	121	159	He	0.046	ppb	28.5	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-3.544	ppb	N/A	290.01	0.0017	Pulse	0.1000	3
Tl	205	159	He	-0.031	ppb	N/A	70.00	0.0004	Pulse	0.1000	3
Pb	208	159	He	0.036	ppb	41.8	296.68	0.0017	Pulse	0.1000	3
U	238	209	He	0.006	ppb	63.4	216.68	0.0016	Pulse	0.1000	3

ISTD Table:

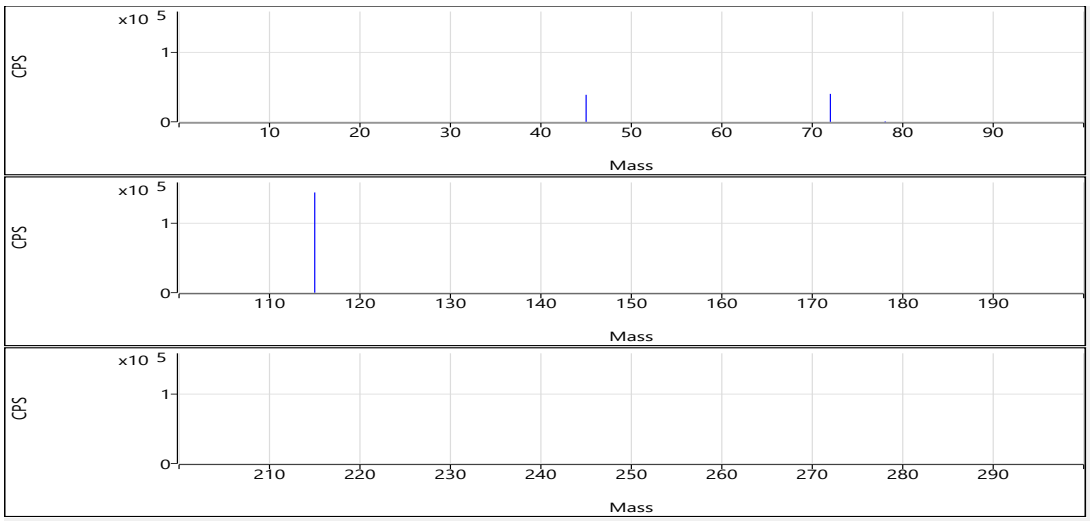
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	985252.17	0.3	94.3	Analog	0.1000	3
No Gas	Ge	72	569308.29	0.7	94.7	Pulse	0.1000	3
H2	Sc	45	39195.10	1.9	92.7	Pulse	0.1000	3
H2	Ge	72	40543.28	2.6	92.4	Pulse	0.1000	3
H2	In	115	145439.73	1.0	96.5	Pulse	0.1000	3
He	Sc	45	10911.21	2.6	95.5	Pulse	0.1000	3
He	Ge	72	23747.59	3.0	93.8	Pulse	0.1000	3
He	In	115	26723.82	1.5	97.9	Pulse	0.1000	3
He	Tb	159	171780.82	0.5	97.4	Pulse	0.1000	3
He	Bi	209	132793.53	0.4	98.5	Pulse	0.1000	3

No Gas

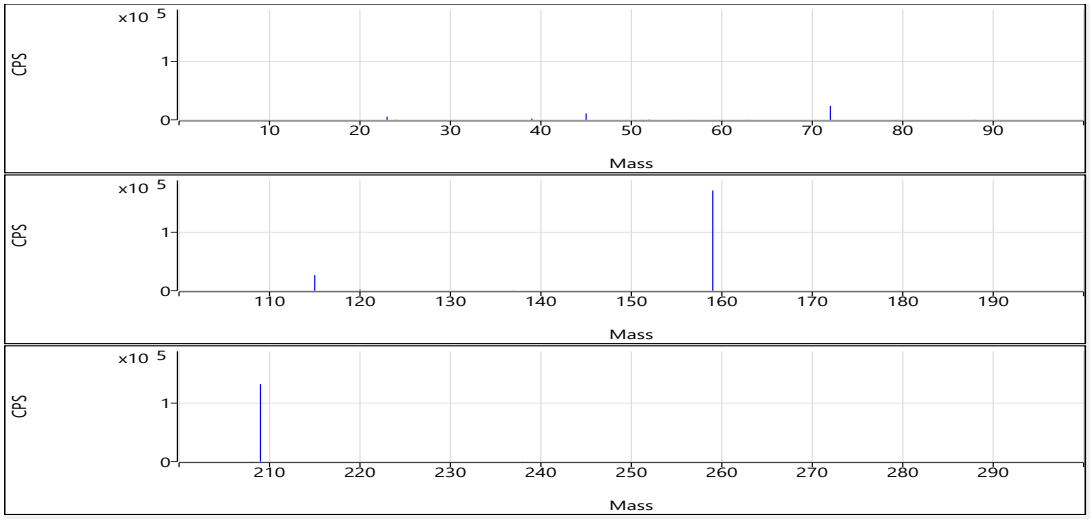


H2



Quantitation Report

He



Quantitation Report

Data File Name	233SMPL.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:25:05 AM
Sample Name	410-234877-AD-1-A
Sample Type	Sample
Comment	MS-T25
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

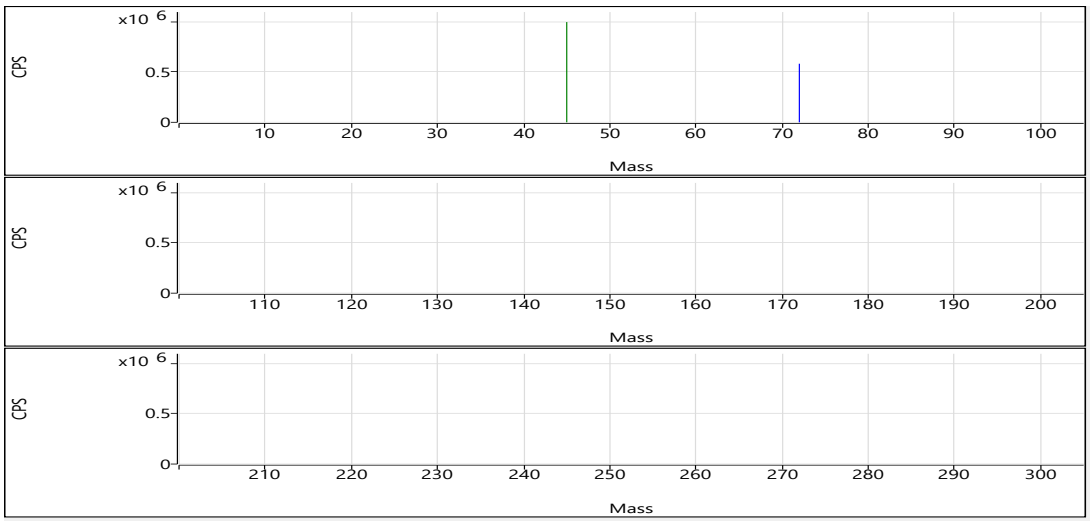
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.018	ug/L	N/A	16.00	0.0000	Pulse	0.5000	3
Se	78	72	H2	-0.010	ppb	N/A	1.78	0.0000	Pulse	1.5000	3
Na	23	72	He	760673.350	ug/L	1.7	31842995.36	1,380.7105	Analog	0.1000	3
Mg	24	72	He	11024.787	ug/L	0.9	236881.85	10.2704	Pulse	0.1000	3
Al	27	72	He	97.813	ug/L	8.5	616.70	0.0267	Pulse	0.1000	3
K	39	72	He	3247.752	ppb	3.1	41364.52	1.7937	Pulse	0.1000	3
Ca	44	72	He	398370.560	ppb	2.4	320143.18	13.8825	Pulse	0.1000	3
Ti	47	159	He	9.030	ppb	15.8	70.00	0.0004	Pulse	0.1000	3
V	51	72	He	3.138	ppb	4.9	1242.73	0.0539	Pulse	0.5000	3
Cr	52	45	He	664.382	ppb	1.5	334202.23	31.0204	Pulse	0.1000	3
Mn	55	45	He	2710.670	ppb	1.4	511001.74	47.4306	Pulse	0.1000	3
Fe	57	72	He	304582.753	ppb	1.9	3112019.43	134.9407	Analog	0.1000	3
Co	59	72	He	2.923	ppb	6.0	3553.91	0.1540	Pulse	0.1000	3
Ni	60	72	He	26.229	ppb	3.3	8973.19	0.3891	Pulse	0.1000	3
Cu	63	72	He	40.053	ppb	3.1	40108.33	1.7393	Pulse	0.1000	3
Zn	66	72	He	293.770	ppb	2.3	26318.91	1.1413	Pulse	0.1000	3
As	75	45	He	2.065	ppb	5.7	122.00	0.0113	Pulse	0.5000	3
Sr	88	159	He	64674.782	ppb	2.0	14868833.95	88.3226	Analog	0.1000	3
Mo	98	159	He	43.587	ppb	1.7	38451.55	0.2284	Pulse	0.1000	3
Ag	107	159	He	0.229	ppb	14.1	510.03	0.0030	Pulse	0.1000	3
Cd	111	159	He	0.024	ppb	42.5	8.00	0.0000	Pulse	0.5000	3
Sn	120	159	He	1.716	ppb	18.0	2717.04	0.0161	Pulse	0.1000	3
Sb	121	159	He	0.424	ppb	21.2	196.68	0.0012	Pulse	0.1000	3
Ba	137	159	He	258569.622	ppb	1.8	38726361.92	230.0367	Analog	0.1000	3
Tl	205	159	He	-0.028	ppb	N/A	83.33	0.0005	Pulse	0.1000	3
Pb	208	159	He	0.942	ppb	11.1	3650.67	0.0217	Pulse	0.1000	3
U	238	209	He	0.037	ppb	3.1	460.02	0.0037	Pulse	0.1000	3

ISTD Table:

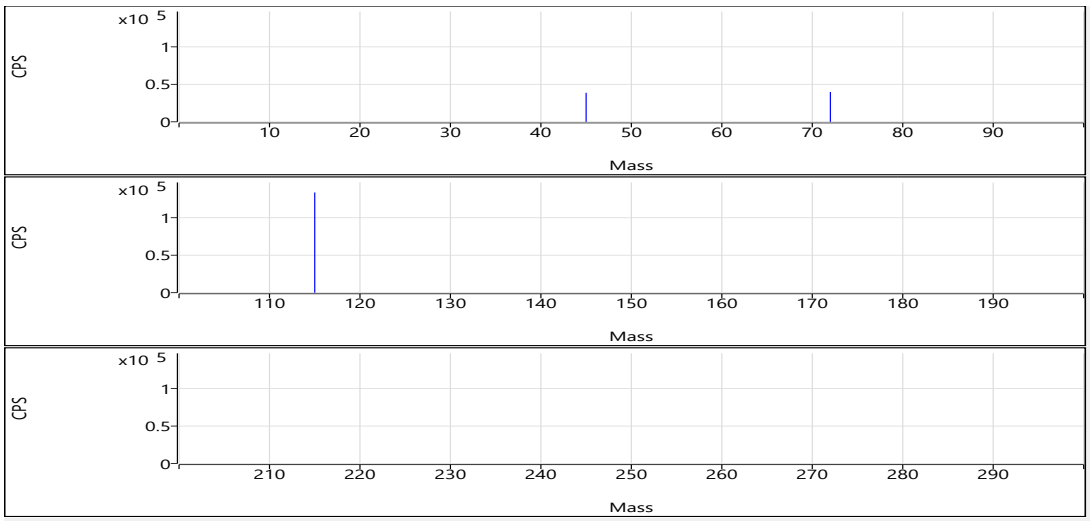
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	997103.68	0.5	95.4	Analog	0.1000	3
No Gas	Ge	72	582698.96	0.8	96.9	Pulse	0.1000	3
H2	Sc	45	38894.40	1.5	92.0	Pulse	0.1000	3
H2	Ge	72	40045.25	1.6	91.3	Pulse	0.1000	3
H2	In	115	134336.28	0.7	89.1	Pulse	0.1000	3
He	Sc	45	10774.50	0.9	94.3	Pulse	0.1000	3
He	Ge	72	23066.55	1.5	91.1	Pulse	0.1000	3
He	In	115	24730.11	2.3	90.6	Pulse	0.1000	3
He	Tb	159	168365.26	0.8	95.5	Pulse	0.1000	3
He	Bi	209	124716.12	1.4	92.5	Pulse	0.1000	3

No Gas

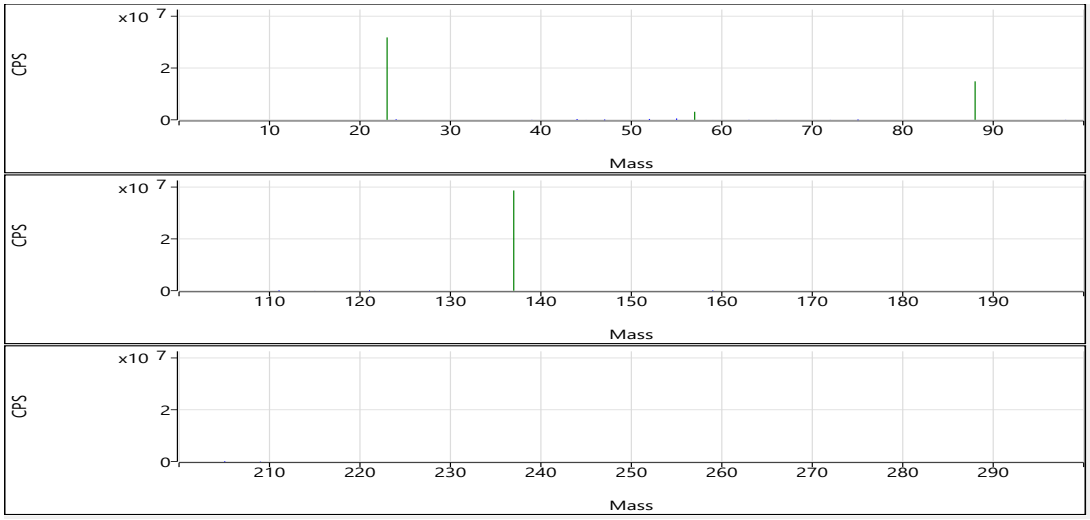


H2



Quantitation Report

He



Quantitation Report

Data File Name	235_CCV.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:29:05 AM
Sample Name	CCV 8205366
Sample Type	CCV
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

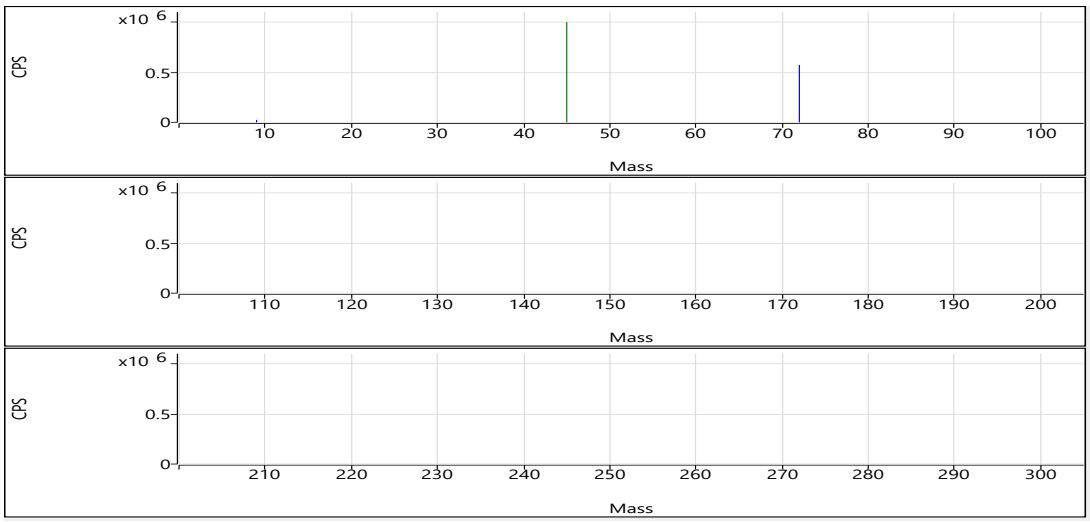
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	48.700	ug/L	1.0	24543.43	0.0246	Pulse	0.5000	3
Se	78	72	H2	50.845	ppb	4.4	1237.17	0.0307	Pulse	1.5000	3
Na	23	72	He	4825.296	ug/L	1.3	220644.07	8.9804	Pulse	0.1000	3
Mg	24	72	He	4806.930	ug/L	1.0	110114.33	4.4816	Pulse	0.1000	3
Al	27	72	He	4737.862	ug/L	3.5	29661.48	1.2075	Pulse	0.1000	3
K	39	72	He	4798.273	ppb	3.3	64162.16	2.6119	Pulse	0.1000	3
Ca	44	72	He	4727.387	ppb	3.4	4070.72	0.1657	Pulse	0.1000	3
Ti	47	159	He	4975.721	ppb	0.6	36401.10	0.2083	Pulse	0.1000	3
V	51	72	He	485.372	ppb	1.9	187424.49	7.6287	Pulse	0.5000	3
Cr	52	45	He	501.375	ppb	1.3	259834.98	23.4204	Pulse	0.1000	3
Mn	55	45	He	496.965	ppb	0.2	96517.68	8.6995	Pulse	0.1000	3
Fe	57	72	He	4817.882	ppb	1.2	52532.73	2.1380	Pulse	0.1000	3
Co	59	72	He	466.600	ppb	1.5	587061.58	23.8939	Pulse	0.1000	3
Ni	60	72	He	488.721	ppb	2.3	175506.33	7.1437	Pulse	0.1000	3
Cu	63	72	He	489.579	ppb	1.0	520910.09	21.2008	Pulse	0.1000	3
Zn	66	72	He	477.779	ppb	1.6	45571.93	1.8549	Pulse	0.1000	3
As	75	45	He	509.663	ppb	0.3	28490.51	2.5680	Pulse	0.5000	3
Sr	88	159	He	50.540	ppb	4.9	12412.73	0.0710	Pulse	0.1000	3
Mo	98	159	He	49.224	ppb	2.0	45065.25	0.2579	Pulse	0.1000	3
Ag	107	159	He	50.453	ppb	1.1	109839.38	0.6286	Pulse	0.1000	3
Cd	111	159	He	49.329	ppb	1.5	10301.29	0.0590	Pulse	0.5000	3
Sn	120	159	He	49.716	ppb	1.2	29693.45	0.1699	Pulse	0.1000	3
Sb	121	159	He	48.478	ppb	1.9	21845.12	0.1250	Pulse	0.1000	3
Ba	137	159	He	501.313	ppb	1.2	78779.67	0.4508	Pulse	0.1000	3
Tl	205	159	He	50.706	ppb	1.7	280649.58	1.6061	Pulse	0.1000	3
Pb	208	159	He	51.277	ppb	0.6	197720.74	1.1315	Pulse	0.1000	3
U	238	209	He	50.110	ppb	0.6	453825.07	3.3303	Pulse	0.1000	3

ISTD Table:

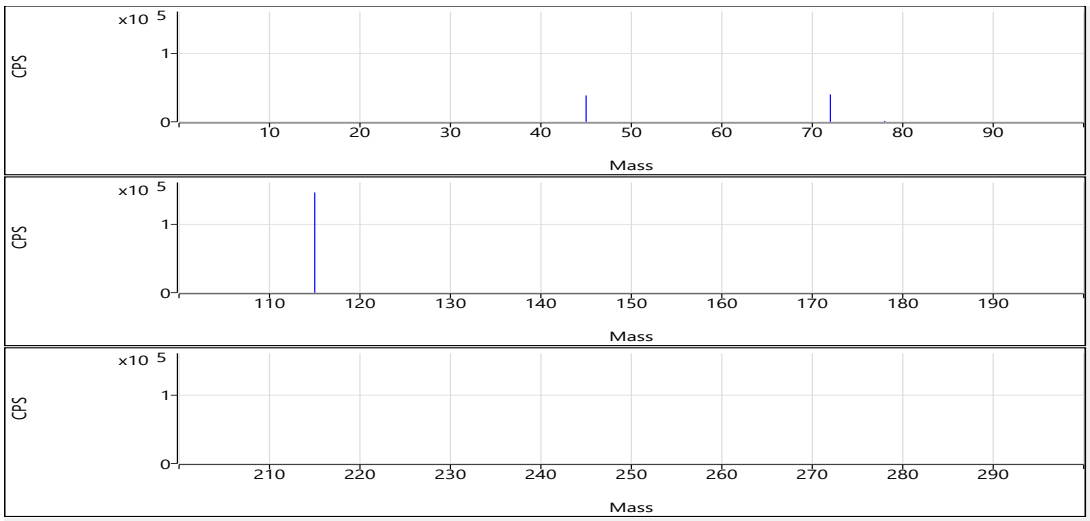
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	999527.30	0.8	95.6	Analog	0.1000	3
No Gas	Ge	72	571988.57	0.6	95.1	Pulse	0.1000	3
H2	Sc	45	38783.95	1.0	91.8	Pulse	0.1000	3
H2	Ge	72	40252.50	1.8	91.8	Pulse	0.1000	3
H2	In	115	147438.09	0.4	97.8	Pulse	0.1000	3
He	Sc	45	11094.78	1.0	97.1	Pulse	0.1000	3
He	Ge	72	24572.35	1.3	97.0	Pulse	0.1000	3
He	In	115	27859.56	1.5	102.1	Pulse	0.1000	3
He	Tb	159	174743.31	0.3	99.1	Pulse	0.1000	3
He	Bi	209	136269.90	0.3	101.0	Pulse	0.1000	3

No Gas

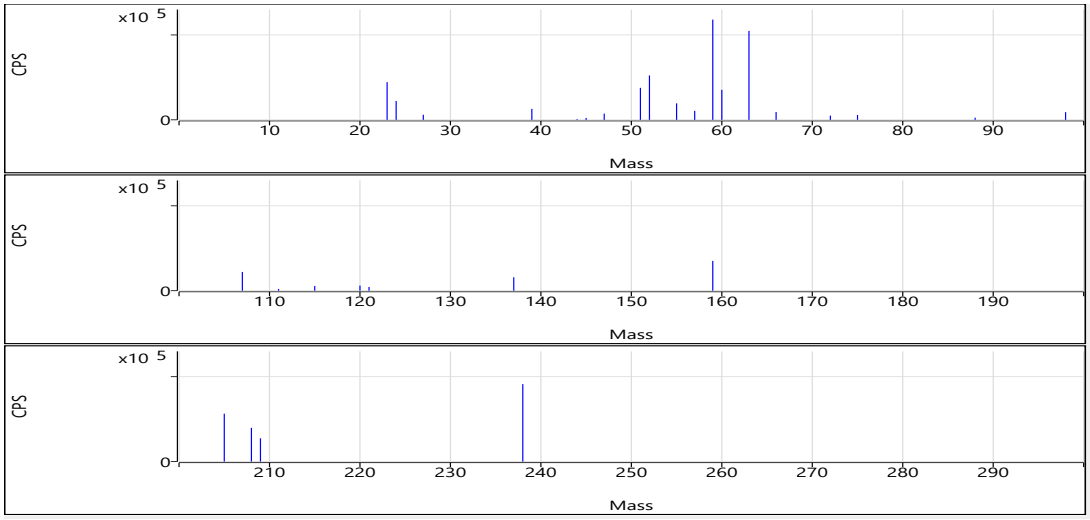


H2



Quantitation Report

He



Quantitation Report

Data File Name	237_CCB.d
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\25H12B00.b
Acq Time	8/13/2025 12:33:05 AM
Sample Name	CCB 8061842
Sample Type	CCB
Comment	---
Prep Dilution	1.0000
Auto Dilution	1.0000
Total Dilution	1.0000
Operator Name	ETUS023_USR_INS00061
Acq Mode	Spectrum
Cal Title	---
Cal Type	External Calibration
Last Calib	8/12/2025 7:29:53 PM
Bkg File	---
Bkg Mode	Count Subtraction except for ISTD
FQ BlankFile	---
VIS Fit	Point to Point

FullQuant Table

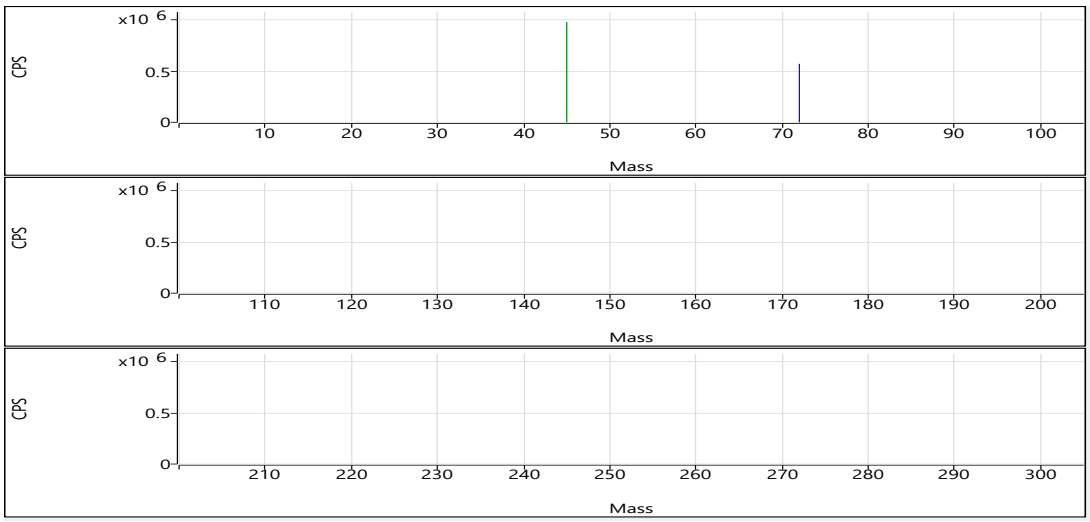
Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	CPS	Ratio	Det.	Time(sec)	Rep
Be	9	45	No Gas	-0.011	ug/L	N/A	18.67	0.0000	Pulse	0.5000	3
Se	78	72	H2	0.006	ppb	1033.8	2.22	0.0001	Pulse	1.5000	3
Na	23	72	He	12.333	ug/L	15.3	5818.05	0.2457	Pulse	0.1000	3
Mg	24	72	He	4.101	ug/L	8.9	240.01	0.0101	Pulse	0.1000	3
Al	27	72	He	-0.054	ug/L	N/A	43.33	0.0018	Pulse	0.1000	3
K	39	72	He	-2.141	ppb	N/A	1863.52	0.0788	Pulse	0.1000	3
Ca	44	72	He	50.049	ppb	123.3	63.33	0.0027	Pulse	0.1000	3
Ti	47	159	He	0.465	ppb	6.2	10.00	0.0001	Pulse	0.1000	3
V	51	72	He	0.037	ppb	41.2	122.67	0.0052	Pulse	0.5000	3
Cr	52	45	He	-0.104	ppb	N/A	410.02	0.0394	Pulse	0.1000	3
Mn	55	45	He	0.288	ppb	37.8	100.00	0.0096	Pulse	0.1000	3
Fe	57	72	He	4.353	ppb	107.4	130.00	0.0055	Pulse	0.1000	3
Co	59	72	He	-0.022	ppb	N/A	76.67	0.0032	Pulse	0.1000	3
Ni	60	72	He	0.001	ppb	24656.9	143.34	0.0061	Pulse	0.1000	3
Cu	63	72	He	0.155	ppb	5.4	283.35	0.0120	Pulse	0.1000	3
Zn	66	72	He	-0.291	ppb	N/A	20.00	0.0008	Pulse	0.1000	3
As	75	45	He	0.033	ppb	287.4	11.33	0.0011	Pulse	0.5000	3
Sr	88	159	He	-0.437	ppb	N/A	250.01	0.0014	Pulse	0.1000	3
Mo	98	159	He	-0.010	ppb	N/A	50.00	0.0003	Pulse	0.1000	3
Ag	107	159	He	0.006	ppb	85.9	43.33	0.0002	Pulse	0.1000	3
Cd	111	159	He	-0.009	ppb	N/A	1.33	0.0000	Pulse	0.5000	3
Sn	120	159	He	-0.069	ppb	N/A	1820.20	0.0104	Pulse	0.1000	3
Sb	121	159	He	0.044	ppb	125.3	33.33	0.0002	Pulse	0.1000	3
Ba	137	159	He	-2.122	ppb	N/A	516.70	0.0030	Pulse	0.1000	3
Tl	205	159	He	-0.018	ppb	N/A	140.01	0.0008	Pulse	0.1000	3
Pb	208	159	He	0.060	ppb	23.0	393.36	0.0023	Pulse	0.1000	3
U	238	209	He	0.001	ppb	436.7	183.34	0.0013	Pulse	0.1000	3

ISTD Table:

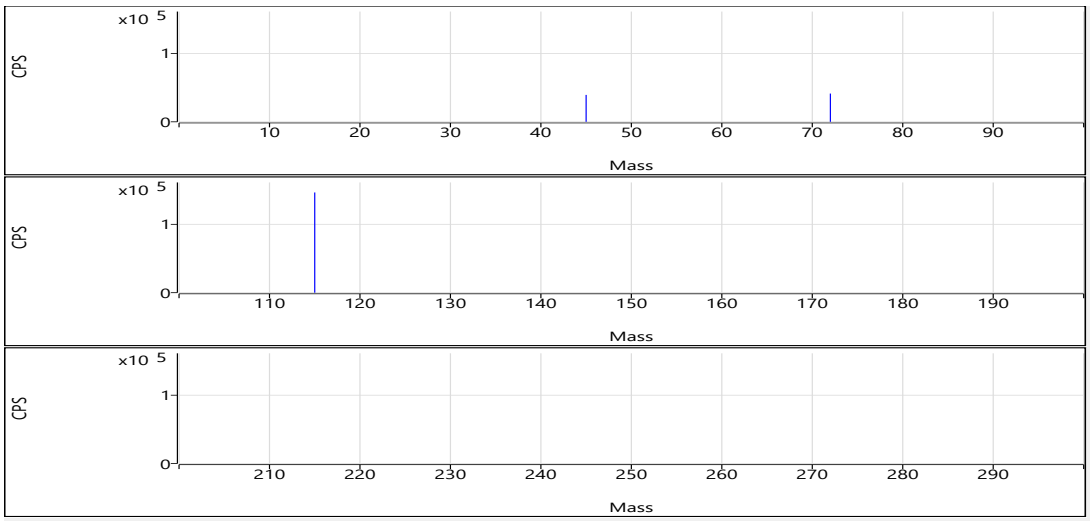
Quantitation Report

Tune Mode	Element	Mass	CPS	RSD(%)	ISTD Recovery %	Det.	Time(seq)	Rep
No Gas	Sc	45	978549.13	0.4	93.6	Analog	0.1000	3
No Gas	Ge	72	570913.33	0.4	94.9	Pulse	0.1000	3
H2	Sc	45	39061.66	1.0	92.4	Pulse	0.1000	3
H2	Ge	72	41014.85	0.8	93.5	Pulse	0.1000	3
H2	In	115	145497.12	0.5	96.5	Pulse	0.1000	3
He	Sc	45	10410.84	0.7	91.2	Pulse	0.1000	3
He	Ge	72	23677.54	1.1	93.5	Pulse	0.1000	3
He	In	115	26546.92	2.4	97.3	Pulse	0.1000	3
He	Tb	159	174712.96	2.1	99.1	Pulse	0.1000	3
He	Bi	209	136694.81	2.6	101.4	Pulse	0.1000	3

No Gas

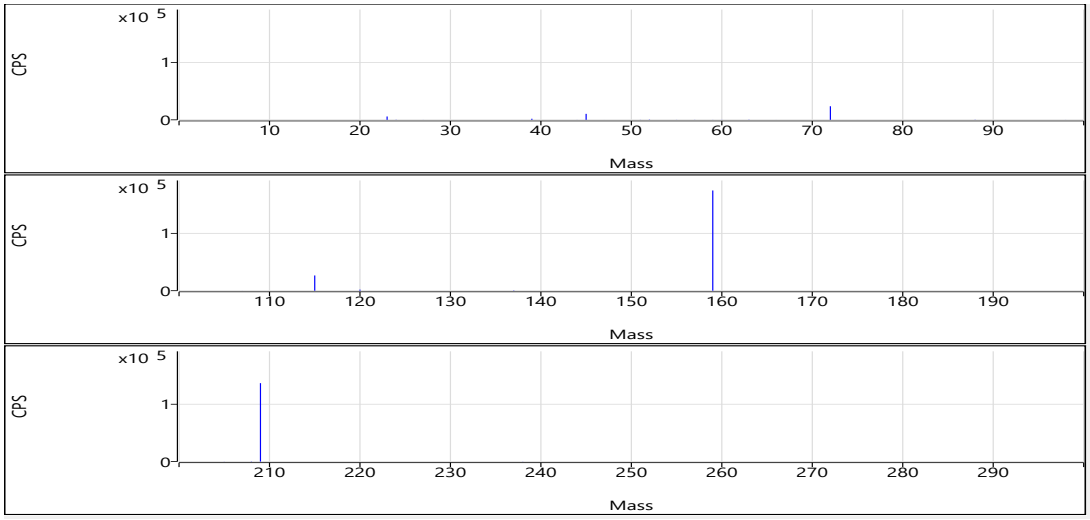


H2



Quantitation Report

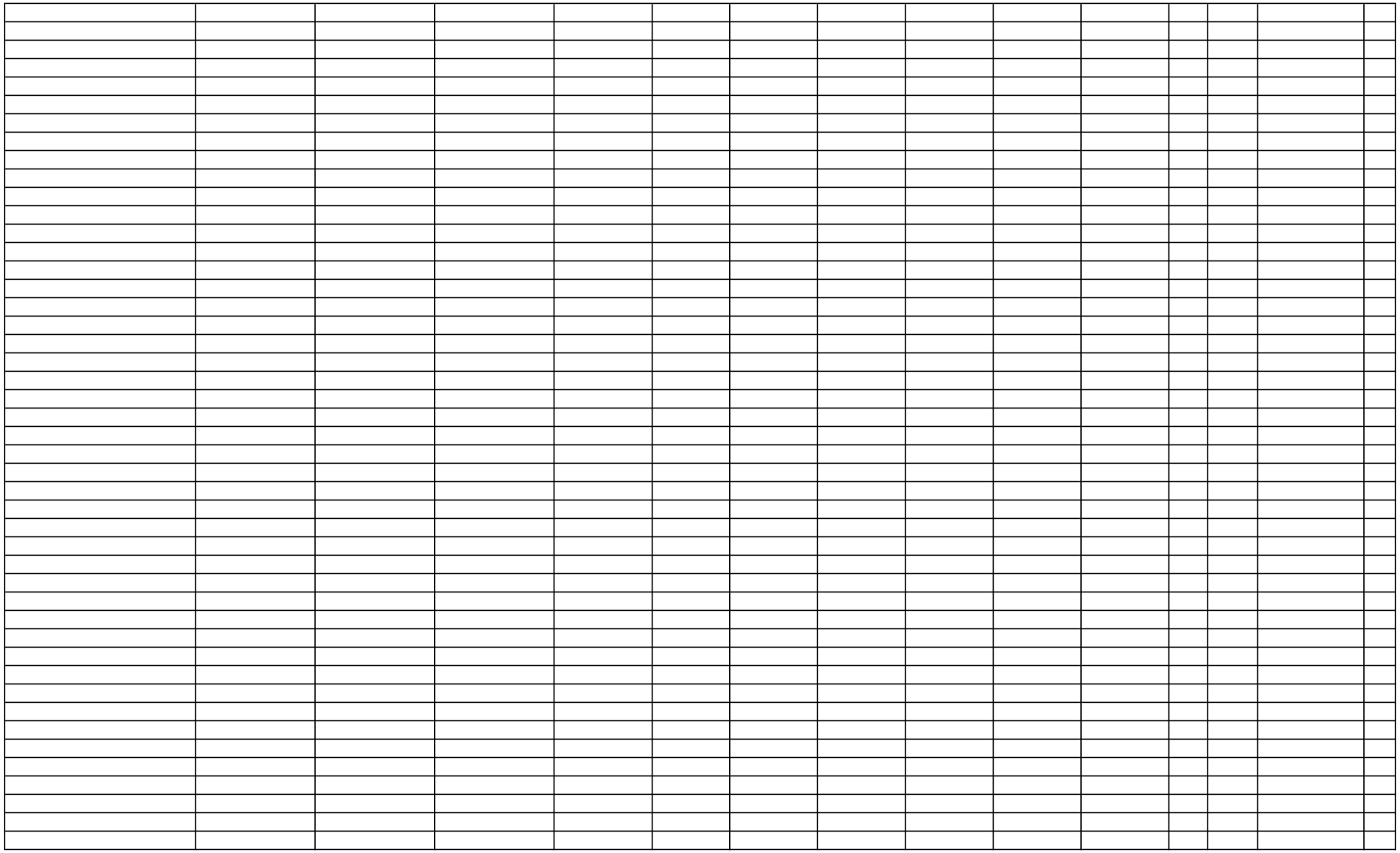
He



EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL (ELLE), Mercury RAW Data Report

Please note that this is raw data as received from the instrument, which does not account for weights, volumes, and dilution factors.

Sample ID	Average Intensity	%R	%RE	Average Conc.	Conc. Units	Sample Type	SLOPE	INTERCEPT	CORR COEFF	Curve Type	Flags	INSTR	Time Stamp	Ele
Calibration Blank	198.53	NA	NA	0	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:23	Hg
Standard #1 (0.2 ug/L)	990.91	98.04%	-1.96%	0.2	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:24	Hg
Standard #2 (0.5 ug/L)	2128.7	101.03%	1.03%	0.5	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:26	Hg
Standard #3 (1.0 ug/L)	4125.9	99.76%	-0.24%	1	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:28	Hg
Standard #4 (2.5 ug/L)	9971.7	100.40%	0.40%	2.5	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:30	Hg
Standard #5 (5.0 ug/L)	19857	99.90%	-0.10%	5	ug/L	Standard	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:32	Hg
ICV	11148			2.789	ug/L	ICV	3930.441989	185.4456166	0.999989143	Linear	Q	M10	8/16/2025 14:34	Hg
Single:	10018			2.502	ug/L	ICV	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:36	Hg
Single:	10062			2.513	ug/L	ICV	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:38	Hg
ICB	133.72			-0.013	ug/L	ICB	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:40	Hg
CRA	1026.3			0.214	ug/L	IPR	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:42	Hg
CCV	4207.1			1.023	ug/L	CCV	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:44	Hg
CCB	149.47			-0.009	ug/L	CCB	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:46	Hg
MB 410-682638/1-A	157.71			-0.007	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:48	Hg
LCS 410-682638/2-A	4886.1			1.196	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:50	Hg
410-235620-L-4-A	164.73			-0.005	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:52	Hg
410-235620-L-4-B DU	218.24			0.008	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:53	Hg
410-235620-L-4-C MS	5109.3			1.253	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:55	Hg
410-235620-L-4-D MSD	5065			1.242	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:57	Hg
410-235312-L-4-A	155.06			-0.008	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 14:59	Hg
400-280019-K-13-A	299.4			0.029	ug/L	Unknown	3930.441989	185.4456166	0.999989143	Linear		M10	8/16/2025 15:01	Hg
400-280019-K-12-A	464.48			0.071	ug/L	Unknown							8/16/2025 15:03	
400-280019-N-10-A	1991.2			0.459	ug/L	Unknown							8/16/2025 15:05	
CCV	4210.6			1.024	ug/L	CCV							8/16/2025 15:07	
CCB	143.22			-0.011	ug/L	CCB							8/16/2025 15:09	
400-280019-K-11-A	1094.2			0.231	ug/L	Unknown							8/16/2025 15:10	
400-280019-K-7-A	640.11			0.116	ug/L	Unknown							8/16/2025 15:12	
400-280019-K-5-A	184.63			0	ug/L	Unknown							8/16/2025 15:14	
400-280019-K-3-A	222.22			0.009	ug/L	Unknown							8/16/2025 15:16	
400-280019-K-4-A	202.84			0.004	ug/L	Unknown							8/16/2025 15:18	
400-280019-K-1-A	187.57			0.001	ug/L	Unknown							8/16/2025 15:20	
410-234898-H-11-A	205.69			0.005	ug/L	Unknown							8/16/2025 15:22	
400-280019-K-2-A	181.2			-0.001	ug/L	Unknown							8/16/2025 15:24	
630-117198-O-14-A	182.77			-0.001	ug/L	Unknown							8/16/2025 15:26	
410-235114-AD-1-A	357.84			0.044	ug/L	Unknown							8/16/2025 15:27	
CCV	4423.9			1.078	ug/L	CCV							8/16/2025 15:29	
CCB	147.93			-0.01	ug/L	CCB							8/16/2025 15:31	
410-234898-L-6-A	5375			1.32	ug/L	Unknown							8/16/2025 15:33	
410-234898-H-7-A	129.74			-0.014	ug/L	Unknown							8/16/2025 15:35	
410-234898-L-5-A	212.11			0.007	ug/L	Unknown							8/16/2025 15:37	
410-234898-H-9-A	165.29			-0.005	ug/L	Unknown							8/16/2025 15:39	
410-234898-H-8-A	205.02			0.005	ug/L	Unknown							8/16/2025 15:41	
CCV	4413.2			1.076	ug/L	CCV							8/16/2025 15:43	
CCB	145.26			-0.01	ug/L	CCB							8/16/2025 15:44	



EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL (ELLE), Mercury RAW Data Report

Please note that this is raw data as received from the instrument, which does not account for weights, volumes, and dilution factors.

Sample ID	Average Intensity	%R	%RE	Average Conc.	Conc. Units	Sample Type	SLOPE	INTERCEPT	CORR COEFF	Curve Type	Flags	INSTR	Time Stamp	Ele
Calibration Blank	122.22	NA	NA	0	ug/L	Standard	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:21	Hg
Standard #1 (0.2 ug/L)	990.69	89.63%	-10.37%	0.2	ug/L	Standard	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:23	Hg
Standard #2 (0.5 ug/L)	2096.4	99.72%	-0.28%	0.5	ug/L	Standard	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:24	Hg
Standard #3 (1.0 ug/L)	4035.5	101.47%	1.47%	1	ug/L	Standard	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:26	Hg
Standard #4 (2.5 ug/L)	9922.3	101.86%	1.86%	2.5	ug/L	Standard	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:28	Hg
Standard #5 (5.0 ug/L)	20228	99.51%	-0.49%	5	ug/L	Standard	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:30	Hg
ICV	9742.8			2.409	ug/L	ICV	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:32	Hg
ICB	53.415			-0.008	ug/L	ICB	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:34	Hg
CRA	1062.9			0.244	ug/L	IPR	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:36	Hg
CCV	4212.2			1.029	ug/L	CCV	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:38	Hg
CCB	94.377			0.002	ug/L	CCB	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:40	Hg
CRA	921.39			0.208	ug/L	IPR	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:43	Hg
CRA	977.98			0.222	ug/L	IPR	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:45	Hg
CCV	4370			1.069	ug/L	CCV	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:47	Hg
CCB	131.39			0.011	ug/L	CCB	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:49	Hg
MB 410-686556/1-A	114.64			0.007	ug/L	Unknown	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:51	Hg
LCS 410-686556/2-A	5306.9			1.302	ug/L	Unknown	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:53	Hg
410-237007-A-1-L	94.157			0.002	ug/L	Unknown	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:55	Hg
410-237007-A-1-M DU	116.24			0.007	ug/L	Unknown	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:56	Hg
410-237007-A-1-N MS	3492			0.85	ug/L	Unknown	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 15:58	Hg
410-237007-A-1-O MSD	4043			0.987	ug/L	Unknown	4008.413345	86.28453707	0.999798997	Linear		M10	8/19/2025 16:00	Hg
LB 410-685982/1-C	81.887			-0.001	ug/L	Unknown							8/19/2025 16:02	
580-153121-D-1-D	97.951			0.003	ug/L	Unknown							8/19/2025 16:04	
410-237007-A-3-F	187.09			0.025	ug/L	Unknown							8/19/2025 16:06	
410-237007-A-2-F	237.13			0.038	ug/L	Unknown							8/19/2025 16:08	
CCV	4241.6			1.037	ug/L	CCV							8/19/2025 16:10	
CCB	124.86			0.01	ug/L	CCB							8/19/2025 16:12	
410-237007-A-4-I	195.77			0.027	ug/L	Unknown							8/19/2025 16:13	
LB 410-685336/1-C	138.27			0.013	ug/L	Unknown							8/19/2025 16:15	
180-194273-F-1-C	155.07			0.017	ug/L	Unknown							8/19/2025 16:17	
180-194271-A-1-C	165.99			0.02	ug/L	Unknown							8/19/2025 16:19	
180-194321-A-1-C	163.16			0.019	ug/L	Unknown							8/19/2025 16:21	
180-194273-A-2-C	131.11			0.011	ug/L	Unknown							8/19/2025 16:23	
410-237185-C-1-G	127.37			0.01	ug/L	Unknown							8/19/2025 16:25	
410-237185-C-1-H MS	7022.5			1.73	ug/L	Unknown							8/19/2025 16:27	
580-153127-B-1-B	107.27			0.005	ug/L	Unknown							8/19/2025 16:29	
MB 410-684072/1-A	54.354			-0.008	ug/L	Unknown							8/19/2025 16:30	
CCV	4230.7			1.034	ug/L	CCV							8/19/2025 16:32	
CCB	132.48			0.012	ug/L	CCB							8/19/2025 16:34	
LCS 410-684072/2-A	4893.6			1.199	ug/L	Unknown							8/19/2025 16:36	
410-235915-O-5-A	132.83			0.012	ug/L	Unknown							8/19/2025 16:38	
410-235915-E-5-A DU	144.11			0.014	ug/L	Unknown							8/19/2025 16:40	
410-235915-O-5-B MS	4731.3			1.159	ug/L	Unknown							8/19/2025 16:42	
410-235915-M-5-A MSD	4913.9			1.204	ug/L	Unknown							8/19/2025 16:44	
410-235915-O-6-A	94.434			0.002	ug/L	Unknown							8/19/2025 16:46	
410-235751-L-11-A	49.814			-0.009	ug/L	Unknown							8/19/2025 16:47	
410-235751-L-13-A	50.403			-0.009	ug/L	Unknown							8/19/2025 16:49	
410-235751-L-12-A	60.421			-0.006	ug/L	Unknown							8/19/2025 16:51	
410-235903-I-1-A	54.826			-0.008	ug/L	Unknown							8/19/2025 16:53	
CCV	4314.8			1.055	ug/L	CCV							8/19/2025 16:55	
CCB	120.17			0.008	ug/L	CCB							8/19/2025 16:57	
410-235765-U-3-A	94.924			0.002	ug/L	Unknown							8/19/2025 16:59	

400-280170-K-3-A	58.759			-0.007	ug/L	Unknown							8/19/2025 17:01	
400-280170-K-1-A	105.92			0.005	ug/L	Unknown							8/19/2025 17:02	
410-235765-U-2-A	81.353			-0.001	ug/L	Unknown							8/19/2025 17:04	
400-280170-K-4-A	60.773			-0.006	ug/L	Unknown							8/19/2025 17:06	
400-280170-K-5-A	44.883			-0.01	ug/L	Unknown							8/19/2025 17:08	
400-280170-K-2-A	91.033			0.001	ug/L	Unknown							8/19/2025 17:10	
410-235915-S-1-A	59.588			-0.007	ug/L	Unknown							8/19/2025 17:12	
MB 410-685981/1-A	241.94			0.039	ug/L	Unknown							8/19/2025 17:14	
LCS 410-685981/2-A	5517.7			1.355	ug/L	Unknown							8/19/2025 17:16	
CCV	4143.3			1.012	ug/L	CCV							8/19/2025 17:18	
CCB	153.68			0.017	ug/L	CCB							8/19/2025 17:19	
410-236671-G-1-D	157.23			0.018	ug/L	Unknown							8/19/2025 17:21	
410-236671-G-1-E DU	184.88			0.025	ug/L	Unknown							8/19/2025 17:23	
410-236671-G-1-F MS	5442			1.336	ug/L	Unknown							8/19/2025 17:25	
410-236671-G-1-G MSD	5366.7			1.317	ug/L	Unknown							8/19/2025 17:27	
410-236671-G-2-D	103.74			0.004	ug/L	Unknown							8/19/2025 17:29	
410-236671-I-3-D	139.24			0.013	ug/L	Unknown							8/19/2025 17:31	
410-236376-A-3-C	155.12			0.017	ug/L	Unknown							8/19/2025 17:33	
410-236649-A-2-C	114.93			0.007	ug/L	Unknown							8/19/2025 17:35	
410-236522-A-1-C	115.68			0.007	ug/L	Unknown							8/19/2025 17:36	
410-236376-A-1-C	116.43			0.008	ug/L	Unknown							8/19/2025 17:38	
CCV	4325.3			1.058	ug/L	CCV							8/19/2025 17:40	
CCB	124.27			0.009	ug/L	CCB							8/19/2025 17:42	
410-236713-A-1-Q	103.19			0.004	ug/L	Unknown							8/19/2025 17:44	
410-236713-A-2-H	108.54			0.006	ug/L	Unknown							8/19/2025 17:46	
410-236376-A-2-C	101.44			0.004	ug/L	Unknown							8/19/2025 17:48	
MB 410-685915/1-A	110.65			0.006	ug/L	Unknown							8/19/2025 17:50	
LCS 410-685915/2-A	5351.9			1.314	ug/L	Unknown							8/19/2025 17:52	
410-236891-A-1-O	251.03			0.041	ug/L	Unknown							8/19/2025 17:54	
410-236891-A-1-P DU	140.41			0.014	ug/L	Unknown							8/19/2025 17:55	
410-236891-A-1-Q MS	8151			2.012	ug/L	Unknown							8/19/2025 17:57	
410-236891-A-1-R MSD	8039.4			1.984	ug/L	Unknown							8/19/2025 17:59	
410-236664-A-4-D	57.728			-0.007	ug/L	Unknown							8/19/2025 18:01	
CCV	4246.1			1.038	ug/L	CCV							8/19/2025 18:03	
CCB	106.3			0.005	ug/L	CCB							8/19/2025 18:05	
400-280591-D-1-E	86.051			0	ug/L	Unknown							8/19/2025 18:07	
410-236664-A-1-D	100.34			0.004	ug/L	Unknown							8/19/2025 18:09	
410-236832-B-1-D	2966.9			0.719	ug/L	Unknown							8/19/2025 18:11	
400-280690-B-1-E	55.416			-0.008	ug/L	Unknown							8/19/2025 18:12	
410-236664-A-5-D	159.75			0.018	ug/L	Unknown							8/19/2025 18:14	
410-236664-A-2-D	106.14			0.005	ug/L	Unknown							8/19/2025 18:16	
410-236793-A-2-E	89.856			0.001	ug/L	Unknown							8/19/2025 18:18	
LB 410-684838/1-E	91.309			0.001	ug/L	Unknown							8/19/2025 18:20	
320-124210-C-1-E	97.258			0.003	ug/L	Unknown							8/19/2025 18:22	
320-124210-C-4-E	100.51			0.004	ug/L	Unknown							8/19/2025 18:24	
CCV	4318.4			1.056	ug/L	CCV							8/19/2025 18:26	
CCB	150.13			0.016	ug/L	CCB							8/19/2025 18:28	
320-124210-C-6-E	93.071			0.002	ug/L	Unknown							8/19/2025 18:29	
410-236681-D-2-D	113.16			0.007	ug/L	Unknown							8/19/2025 18:31	
410-236681-D-1-D	104.27			0.004	ug/L	Unknown							8/19/2025 18:33	
320-124210-C-5-E	116.2			0.007	ug/L	Unknown							8/19/2025 18:35	
410-236664-A-3-D	124.92			0.01	ug/L	Unknown							8/19/2025 18:37	
MB 410-682657/1-A	342.32			0.064	ug/L	Unknown							8/19/2025 18:39	
LCS 410-682657/2-A	4225.9			1.033	ug/L	Unknown							8/19/2025 18:41	
410-235228-J-14-A	261.16			0.044	ug/L	Unknown							8/19/2025 18:43	

410-235228-C-14-A DU	346.28	0.065	ug/L	Unknown	8/19/2025 18:45
410-235228-J-14-B MS	4395.9	1.075	ug/L	Unknown	8/19/2025 18:47
CCV	4258	1.041	ug/L	CCV	8/19/2025 18:48
CCB	129.13	0.011	ug/L	CCB	8/19/2025 18:50
410-235228-J-14-C MSD	4373.9	1.07	ug/L	Unknown	8/19/2025 18:52
410-234898-H-10-A	269.07	0.046	ug/L	Unknown	8/19/2025 18:54
410-235228-M-5-A	321.13	0.059	ug/L	Unknown	8/19/2025 18:56
410-235228-J-4-A	281.19	0.049	ug/L	Unknown	8/19/2025 18:58
410-235228-J-10-A	313.56	0.057	ug/L	Unknown	8/19/2025 19:00
410-235228-J-9-A	447.78	0.09	ug/L	Unknown	8/19/2025 19:02
410-235228-J-17-A	432.41	0.086	ug/L	Unknown	8/19/2025 19:04
410-235228-J-3-A	333.76	0.062	ug/L	Unknown	8/19/2025 19:05
410-235228-J-16-A	332.5	0.061	ug/L	Unknown	8/19/2025 19:07
410-235228-J-2-A	383.45	0.074	ug/L	Unknown	8/19/2025 19:09
CCV	4298.6	1.051	ug/L	CCV	8/19/2025 19:11
CCB	101.05	0.004	ug/L	CCB	8/19/2025 19:13
410-235228-J-7-A	421.15	0.084	ug/L	Unknown	8/19/2025 19:15
410-235228-J-12-A	448.91	0.09	ug/L	Unknown	8/19/2025 19:17
410-235228-J-6-A	455.01	0.092	ug/L	Unknown	8/19/2025 19:19
410-235228-J-11-A	398.9	0.078	ug/L	Unknown	8/19/2025 19:21
410-235228-J-1-A	378.9	0.073	ug/L	Unknown	8/19/2025 19:23
410-235228-J-15-A	410.02	0.081	ug/L	Unknown	8/19/2025 19:24
410-235228-J-13-A	414.75	0.082	ug/L	Unknown	8/19/2025 19:26
410-235087-H-1-A	382.87	0.074	ug/L	Unknown	8/19/2025 19:28
410-235304-I-1-A	555.32	0.117	ug/L	Unknown	8/19/2025 19:30
410-235087-H-2-A	381.9	0.074	ug/L	Unknown	8/19/2025 19:32
CCV	4309.4	1.054	ug/L	CCV	8/19/2025 19:34
CCB	109.38	0.006	ug/L	CCB	8/19/2025 19:36
MB 410-682628/1-A	52.342	-0.008	ug/L	Unknown	8/19/2025 19:38
LCS 410-682628/2-A	4858	1.19	ug/L	Unknown	8/19/2025 19:40
410-235351-J-2-A	113.27	0.007	ug/L	Unknown	8/19/2025 19:42
410-235351-C-2-A DU	122.18	0.009	ug/L	Unknown	8/19/2025 19:43
410-235351-J-2-B MS	4635.3	1.135	ug/L	Unknown	8/19/2025 19:45
410-235351-J-2-C MSD	5121.3	1.256	ug/L	Unknown	8/19/2025 19:47
410-235693-H-2-A	22.932	-0.016	ug/L	Unknown	8/19/2025 19:49
410-235693-H-1-A	83.392	-0.001	ug/L	Unknown	8/19/2025 19:51
410-235714-T-15-A	102.13	0.004	ug/L	Unknown	8/19/2025 19:53
410-235714-X-16-A	50.5	-0.009	ug/L	Unknown	8/19/2025 19:55
CCV	4213	1.03	ug/L	CCV	8/19/2025 19:57
CCB	111.07	0.006	ug/L	CCB	8/19/2025 19:59
410-235702-M-5-A	58.003	-0.007	ug/L	Unknown	8/19/2025 20:01
410-235702-Q-4-A	94.699	0.002	ug/L	Unknown	8/19/2025 20:02
410-235714-T-17-A	224.94	0.035	ug/L	Unknown	8/19/2025 20:04
410-235714-V-17-A	62.564	-0.006	ug/L	Unknown	8/19/2025 20:06
410-235702-S-7-A	65.756	-0.005	ug/L	Unknown	8/19/2025 20:08
410-235702-S-6-A	84.62	0	ug/L	Unknown	8/19/2025 20:10
410-235304-K-1-A	90.283	0.001	ug/L	Unknown	8/19/2025 20:12
410-235304-K-2-A	68.312	-0.004	ug/L	Unknown	8/19/2025 20:14
410-235304-K-3-A	112.9	0.007	ug/L	Unknown	8/19/2025 20:16
410-235201-J-8-A	195.18	0.027	ug/L	Unknown	8/19/2025 20:18
CCV	4378.1	1.071	ug/L	CCV	8/19/2025 20:20
CCB	115.82	0.007	ug/L	CCB	8/19/2025 20:22
410-235351-J-3-A	106.01	0.005	ug/L	Unknown	8/19/2025 20:23
410-235201-J-7-A	81.366	-0.001	ug/L	Unknown	8/19/2025 20:25
410-235351-J-1-A	77.157	-0.002	ug/L	Unknown	8/19/2025 20:27

410-235714-R-15-A	740.4	0.163	ug/L	Unknown	8/19/2025 20:29
410-235714-Z-16-A	752.15	0.166	ug/L	Unknown	8/19/2025 20:31
MB 410-686076/1-A	83.362	-0.001	ug/L	Unknown	8/19/2025 20:33
LCS 410-686076/2-A	4757.7	1.165	ug/L	Unknown	8/19/2025 20:35
410-235945-L-2-A	146.22	0.015	ug/L	Unknown	8/19/2025 20:37
410-235945-O-2-A DU	130.77	0.011	ug/L	Unknown	8/19/2025 20:39
410-235945-M-2-A MS	4788.1	1.173	ug/L	Unknown	8/19/2025 20:41
CCV	4116.8	1.006	ug/L	CCV	8/19/2025 20:43
CCB	115.13	0.007	ug/L	CCB	8/19/2025 20:44
410-235945-N-2-A MSD	4815.4	1.18	ug/L	Unknown	8/19/2025 20:46
410-235945-L-7-A	79.433	-0.002	ug/L	Unknown	8/19/2025 20:48
410-235945-L-6-A	198.17	0.028	ug/L	Unknown	8/19/2025 20:50
410-235945-L-9-A	183.68	0.024	ug/L	Unknown	8/19/2025 20:52
410-235945-L-8-A	164.32	0.019	ug/L	Unknown	8/19/2025 20:54
410-235945-L-5-A	168.68	0.021	ug/L	Unknown	8/19/2025 20:56
410-235945-L-4-A	165.99	0.02	ug/L	Unknown	8/19/2025 20:58
410-235945-L-3-A	156.33	0.017	ug/L	Unknown	8/19/2025 21:00
410-236364-F-6-A	121.61	0.009	ug/L	Unknown	8/19/2025 21:02
410-236364-F-5-A	111	0.006	ug/L	Unknown	8/19/2025 21:04
CCV	4187.6	1.023	ug/L	CCV	8/19/2025 21:05
CCB	122.9	0.009	ug/L	CCB	8/19/2025 21:07
410-236364-H-2-A	88.672	0.001	ug/L	Unknown	8/19/2025 21:09
410-236364-K-1-A	95.805	0.002	ug/L	Unknown	8/19/2025 21:11
410-236364-H-3-A	86.55	0	ug/L	Unknown	8/19/2025 21:13
410-236364-H-4-A	141.63	0.014	ug/L	Unknown	8/19/2025 21:15
410-236359-V-2-A	95.597	0.002	ug/L	Unknown	8/19/2025 21:17
410-236081-S-2-A	111.03	0.006	ug/L	Unknown	8/19/2025 21:19
410-235979-M-1-B	91.394	0.001	ug/L	Unknown	8/19/2025 21:21
410-235979-H-1-A DU	85.019	0	ug/L	Unknown	8/19/2025 21:23
410-235979-M-1-C MS	4681.1	1.146	ug/L	Unknown	8/19/2025 21:25
410-235979-L-1-B MSD	4850.7	1.189	ug/L	Unknown	8/19/2025 21:26
CCV	4185.3	1.023	ug/L	CCV	8/19/2025 21:28
CCB	125.31	0.01	ug/L	CCB	8/19/2025 21:30
LCS 410-686556/2-A	292.56	0.051	ug/L	Unknown	8/19/2025 21:32
LCS 410-686556/2-A	5155	1.265	ug/L	Unknown	8/19/2025 21:34
CCV	4129.5	1.009	ug/L	CCV	8/19/2025 21:36
CCB	135.04	0.012	ug/L	CCB	8/19/2025 21:38

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CHAIN OF CUSTODY RECORD

Laboratory: Eurofins Lancaster Laboratories Environmental (ELLE), 2425 New Holland Pike, Lancaster, PA, 17605-2425/ Barb Weyandt, Manager/ (717) 656-2300 x1576

Client: 0 Attn: 0 Address: 0 0 Phone: 0 Fax: 0 Fax: 0	Consultant: TRC Engineers Inc (formerly DAA) Attn: Janet C. Frazier Address: 2200 South Main Street Suite 1 Blacksburg, Virginia 24060 Phone: (540) 552-0444 Fax: (540) 552-0291	Sample Site: RFAAP, Radford, Virginia Location: HWMU16 Event: 3Q 2025 Annual GW Monitoring Event DAA JN: 667639 Phase 2 Lab JN:	Project Specific (PS) QC: YES as indicated Sample Collection for Project Complete? YES WBS: 12754-02X-Y0-7345-5687 Carrier: ↓ - ↓ - ↓ - ↓ - 7486-4475 Tracking Number:

Box 1: Matrix SW Surface Water GW Groundwater L Leachate S Soil T Trip Blank E Equipment Blank P Product O Other	Box 2: Preservative A HCL B HNO_3 C H_2SO_4 D $Na_2S_2O_3$ E NaOH F ZnAc G Other (Specify) H None	Box 3: Filtered/Unfiltered F Filtered U Unfiltered Box 5: Sample Container Type P Plastic AG Amber Glass V VOA CG Clear Glass	Box 4: Sample Type G Grab C Composite	Invoice Copy to Consultant: YES Bill: CLIENT OTHER Preserved and shipped on ice: YES

Box 4 - Sample Type	G	G	G	G	G	G	G
Box 3 - Filtered/Unfiltered	U	U	U	U	U	U	U
Required pH of Sample	<2	<2		<2	<2	<2	>12
Box 2 - Preservative	A	A	H	A	B	B	E
Box 5 - Sample Container Type	3-40mL VOA	3-40mL VOA	2-250mL AG	2-40mL VOA	1-500mL P		1-~~500~~250 mL P

Sample ID	Date: 2025	Time	Box 1: Matrix	Number of Bottles	8260D/5030C 25 ml purge volume		8260D/5030C 5 ml purge volume for 2-propanol ONLY	8270E/3510C (Semivolatiles)	Additional Aliquot 8260D/5030C 25 ml purge volume		ICP/MS 6020B/3005A (Metals-Total)	7470A (Mercury-Total)	9012B (Cyanide)
16C1	7/30	1420	GW	12	X		X	X	X		X	X	X
16MW8	7/29	1120	GW	10	X		X	X			X	X	X
16MW9	7/30	1315	GW	12	X		X	X	X		X	X	X
16WC1A	7/30	1105	GW	30	X		X	X			X	X	X
16WDUP	7/30	0925	GW	10	X		X	X			X	X	X
16WC1B	7/30	0945	GW	10	X		X	X			X	X	X
16-2	7/29	1040	GW	6	X			X			X	X	
16-3	7/29	1235	GW	6	X			X			X	X	
16-5	7/29	0855	GW	6	X			X			X	X	
16WC2B	7/29	0955	GW	6	X			X			X	X	
16SPRING	7/29	0910	GW	6	X			X			X	X	
Trip Blank 1	7/29	—	T	2	X		X						
Trip Blank 2	7/29	—	T	2	X		X						
Trip Blank 3			T	2	X		X						

GENERAL NOTES:

1. Report results to detection limit, with J flags, for italicized wells.
2. Report results at or greater than QL for non-italicized wells.
3. VELAP accreditation required.
4. FULL/Comprehensive Deliverable with EDD and ERIS EDD.
5. For 2- propanol report to QL 100 ug/l and DL of 50 ug/l.
6. See Atached target analytes. Report to these Permit Specified QLs and DLs.

upload to TRC portal : PO # 233729

TRC# 410042 72 - per Barb JWT 11.25

Additional VOA Aliquot if dilution is required.

Additional VOA aliquot if dilution is required.

USE FOR project specfic QC (MS/MSD)

410-234898-01 Chain of Custody

one trip blank required per day per permit. Delete if not required.

Clients Special Instructions:

Received by lab in Good Condition ____ Yes ____ No Custody Seal Intact ____ Yes ____ No Temperature upon arrival ____ Received on Ice ____ Yes ____ No

Describe problems, if any:

Sampler Name (Print): Ken Coddington	Date: 7/29/25	#1 Relinquished by (Signature):	Date: 7/30/25	#2 Relinquished by (Signature):	Date:	Sample Storage
Sampler Signature:	Time: 0700	Company Name: TRC	Time: 1700	Company Name:	Time:	Time Requested:
Sampler Name (Print): Alexa Prater	Date: 7/29/25	#1 Received by (Signature):	Date:	#2 Received by (Signature): Nathan Santoyo	Date: 7/31/25	30 DYS ORG/6 MTHS INORG
Sampler Signature: Alexa Prater	Time: 0700	Company Name:	Time:	Company Name: TRC	Time: 9:20	

NS

PO # 13454 – JWT 6.26.25

K: 3.6 3.5 2: 3.6 3.5 JCF

2/18 JCF 6.25.25

410-234898-02 Chain of Custody

ANALYTICAL METHOD: 8260D/5030C
TYPE METHOD: GCMS
CLASS: VOLATILE

THIS APPLIES TO WELLS 16-2, 16-3, 16-5, 16WC2B, 16SPRING

1.	Carbon tetrachloride	56-23-5		1
2.	chloromethane ; (Methyl chloride)	74-87-3		1
3.	2-butanone (methyl ethyl ketone - MEK)	78-93-3		10
4.	1,1-dichloroethane	75-34-3		1
5.	Dichlorodifluoromethane	75-71-8		1
6.	Ethylbenzene	100-41-4		1
7.	Tetrachloroethene	127-18-4		1
8.	Toluene (methyl benzene)	108-88-3		1
9.	1,1,1-trichloroethane (methyl chloroform)	71-55-6		1
10.	Trichloroethene	79-01-6		1
11.	Trichlorofluoromethane (CFC-11)	75-69-4		1
12.	Xylenes (total)	1330-20-7		3
13	Chloroethane	75-00-3		1
14	Diethyl ether	60-29-7	12.5-report to 10 ug/l due to rounding issues	
15	Dimethyl ether	115-10-6	12.5- report to 10 due to rounding issues	
16	Methylene chloride	75-09-2		1
17	1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1		1
18	Benzene	71-43-2		1
19	1,1-Dichloroethene	75-35-4		1
20	Tetrahydrofuran			25
21	Vinyl chloride			1

Notes
13-16 added 10/03. JCF
Revised 10/31/03 JCF
17 added 0704. Revised 7/28/2004
10/2008 JCF
18 added 04 2011. JCF
19 added 04 2014. KPO, location 16-1 removed 2014
20 added 04 2016 JCF
21 added 8-2020 JCF

Current as of 2021 Permit Mod. JCF 9-13-2021

Report to at or above the QL for these wells and analytes. JCF 9-13-2021

25 ml purge volume

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3/18
dlk
6.25.25

ANALYTICAL METHOD: 8270E/3510C
TYPE METHOD: GCMS
CLASS: SEMIVOLATILE

THIS APPLIES TO WELLS 16-2, 16-3, 16-5, 16WC2B, 16SPRING

No.	PARAMETER	CAS RN	Required LOQ (µg/l)
1.	2,4-dinitrotoluene	121-14-2	10
2.	2,6-dinitrotoluene	606-20-2	10
3.	Diethylphthate		5

Report to at or above the QL.
10/13- diethylphthate added 10/13.

Current as of 2021 Permit Mod. JCF 9-13-2021
Current as of 7-12-24 JCF

Report to at or above the QL for these wells and analytes. JCF 9-13-2021

4/18 JCF 6.25.25

ANALYTICAL METHOD: SEE BELOW
TYPE METHOD: SEE BELOW
CLASS: TOTAL

Method SW 846-6020B/3005A (ICP/MS)

THIS APPLIES TO WELLS 16-2, 16-3,16-5, 16WC2B, 16SPRING

No.	PARAMETER	CAS RN	Required QL/ LOQ (µg/l)
1.	Arsenic	7440-38-2	10
2.	Barium	7440-39-3	10
3.	Beryllium	7440-41-7	1
4.	Cadmium	7440-43-9	1
5.	Chromium	7440-47-3	5
6.	Cobalt	7440-48-4	5
7.	Copper	7440-50-8	5
8.	Lead	7440-92-1	3
9.	Nickel	7440-02-0	10
10.	Vanadium	7440-62-2	10
11.	Zinc	7440-66-6	30
12	Silver	7440-22-4	2

Report to at or above the QL.

Updated 4/8/2013 jcf
Zinc QL updated 10 2016 – JCF
Current as of 2021 Permit Mod. JCF 9-13-2021
24 0422 – Updated to reflect addition of silver detected 3Q23.
Current as of 7-12-24. permit mod for silver. JCF

5/18 DLK 6.26.25

ANALYTICAL METHOD: 7470A

THIS APPLIES TO ALL WELLS AND QC

	Method SW 7470A/CVAA	CAS#	Required LOQ
1	Mercury	7439-97-6	2 / 0.2 ug/l

Report to permit DL (0.2 ug/l) for 16C1, 16MW8, 16MW9, 16WC1A, 16WDUP, 16WC1B, QC. (Appendix IX wells)-jcf 7-12-2024

Report to at or above QL for remaining wells. jcf 6-26-2025

6/18
JCF
6.25.25

ANALYTICAL METHOD: 9012B
TYPE METHOD: CLO
CLASS: CYANIDE

THIS APPLIES TO 16C1, 16MW8, 16MW9,16WC1A, 16WDUP, 16WC1B AND QC

No.	PARAMETER	CAS RN	Required LOQ/DL (µg/l)
1	Cyanide	57-12-5	20 / 5

These are Appendix IX wells. Report estimated results.

Current as of 2021 Permit Mod. JCF 9-13-2021
Current as of 2024 Permit Mod. JCF 7-12-2024; 6.25.26 JCF

7/18 JCF 6.25.25

ANALYTICAL METHOD: 8260D/ 5030C
GCMS/ Volatile

THIS APPLIES TO WELLS 16C1, 16MW8, 16MW9,16WC1A, 16WDUP, 16WC1B & QC

SEE attached list. Report only analytes without highlight.

For these wells and analytes, report to permit MDL with J flag.

Note- For Dimethylether and diethylether only, permit limits are QL: 12.5 ug/l and MDL: 1.11 ug/l- However, please report to 10 ug/l (instead of 12.5 ug/l) due to rounding issues.

For 2-propanol (8260D/5030C- 5 ml purge) report to QL 100 ug/l and DL at 50 ug/l.

JCF 6-25-25

8/18 OK 6.25.25

ANALYTICAL METHOD: 8270E/ GCMS/ Semivolatile
THIS APPLIES TO WELLS 16C1, 16MW8, 16MW9,16WC1A, 16WDUP, 16WC1B & QC

SEE attached list. Report only without highlight.

Report diethylphthalate to 5 ug/l to be consistent with routine semiannual limit. JCF 6.26.25

9/18
JVL
6.25.25

ANALYTICAL METHOD: SEE BELOW
TYPE METHOD: SEE BELOW
CLASS: TOTAL

THIS APPLIES TO ALL WELLS AND QC

Method SW 7470A/CVAA		CAS#	Required QL/DL
12.	Mercury	7439-97-6	2 / 0.2 ug/l

10/18
JK
6/25/25

INORGANICS

THIS APPLIES TO WELLS 16C1, 16MW8, 16MW9,16WC1A, 16WDUP, 16WC1B & QC

Report to QL, DL listed below and provide estimated results ("J").

HWMU 16

Analyte	Method Ref	LOQ/QL	LOD/ MDL	CAS#	Units
ANTIMONY	6020B	2	0.6	7440-36-0	UG/L
ARSENIC	6020B	10	2	7440-38-2	UG/L
BARIUM	6020B	10	1.3	7440-39-3	UG/L
BERYLLIUM	6020B	1	0.3	7440-41-7	UG/L
CADMIUM	6020B	1	0.2	7440-43-9	UG/L
CHROMIUM	6020B	5	1	7440-47-3	UG/L
COBALT	6020B	5	1	7440-48-4	UG/L
COPPER	6020B	5	1.7	7440-50-8	UG/L
LEAD	6020B	3	1	7439-92-1	UG/L
NICKEL	6020B	10	2	7440-02-0	UG/L
SELENIUM	6020B	10	3	7782-49-2	UG/L
SILVER	6020B	2	0.3	7440-22-4	UG/L
THALLIUM	6020B	1	0.2	7440-28-0	UG/L
VANADIUM	6020B	10	2.5	7440-62-2	UG/L
ZINC	6020B	30	7.3	7440-66-6	UG/L

15 analytes – 6020B/3005A- ELLE 6-25-25

These are Appendix IX wells. Report to permit MDL with estimated results.

Rev 2021 Class 1 Permit Mod -JCF

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ELLE –

~~Or~~ report analyses w/out highlight.

JW

~~7.12.24~~

6.24.25

HAZARDOUS WASTE MANAGEMENT
POST-CLOSURE CARE PERMIT

ATTACHMENT 1

APPENDIX I

ANNUAL GROUNDWATER SAMPLING CONSTITUENT LIST

(APPENDIX IX 40 CFR PART 264)

12/18

APPENDIX IX METHOD/DETECTION LIMITS

Analyte	CAS Number	METHOD	PQL (ug/l)	MDL (ug/1)
1,1,1,2-Tetrachloroethane	630-20-6	8260	1	0.3
1,1,1 -Trichloroethane	71-55-6	8260	1	0.3
1,1,2,2-Tetrachloroethane	79-34-5	8260	1	0.3
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	8260	1	0.4
1,1,2-Trichloroethane	79-00-5	8260	1	0.3
1,1 -Dichloroethane	75-34-3	8260	1	0.3
1,1 -Dichloroethene	75-35-4	8260	1	0.3
1,2,3-Trichloropropane	96-18-4	8260	1	0.3
1,2,4,5-Tetrachlorobenzene	95-94-3	8270	10	2
1,2,4-Trichlorobenzene	120-82-1	8260	1	0.6
~~*1,2,4-Trichlorobenzene (dup- 8260)*~~	~~*120-82-1*~~	~~*8270*~~	~~*10*~~	~~*0.43*~~
1,2-dibromo-3-chloropropane	96-12-8	8260	1	0.4
1,2-dibromoethane	106-93-4	8260	1	0.3
1,2-Dichlorobenzene	95-50-1	8260	1	0.4
~~*1,2-Dichlorobenzene (dup 8260)*~~	~~*95-50-1*~~	~~*8270*~~	~~*10*~~	~~*0.48*~~
1,2-Dichloroethane	107-06-2	8260	1	0.3
1,2-Dichloropropane	78-87-5	8260	1	0.4
1,3-Dichlorobenzene	541-73-1	8260	1	0.4
1,3-Dichlorobenzene	541-73-1	8270	10	0.52
1,3-Dichloropropane	142-28-9	8260	1	0.4
1,3-Dinitrobenzene	99-65-0	8270	10	2.3
1,4-Dichlorobenzene	106-46-7	8260	1	0.4
~~*1,4-Dichlorobenzene (dup 8260)*~~	~~*106-46-7*~~	~~*8270*~~	~~*10*~~	~~*0.37*~~
1,4-Dioxane	123-91-1	8260	200	45.48
1,4-Napthoquinone	**130-15-4**	**8270**	**10**	**3.0**
1 -Naphthylamine	**134-32-7**	**8270**	**10**	**3.0**
2,3,4,6-Tetrachlorophenol	58-90-2	8270	10	1.8
2,4,5-Trichlorophenol	95-95-4	8270	10	2.0
2,4,6-Trichlorophenol	88-06-2	8270	10	1.8
2,4-Dichlorophenol	120-83-2	8270	10	1.59
2,4-Dimethylphenol	**105-67-9**	**8270**	**10**	**3.0**

13/15

Analyte	CAS Number	METHOD	PQL (ug/l)	MDL (ug/l)
2,4-Dinitrophenol	51-28-5	8270	10	6.2
2,4-Dinitrotoluene	121-14-2	8270	10	2.1
2,6-Dichlorophenol	87-65-0	8270	10	1.4
2,6-Dinitrotoluene	606-20-2	8270	10	2.1
2-Acetylaminofluorene	53-96-3	8270	10	3.0
2-Butanone	78-93-3	8260	10	0.421.7
2-Chloronaphthalene	91-58-7	8270	10	0.5
2-Chlorophenol	95-57-8	8270	10	1.0
2-Hexanone	591-78-6	8260	10	2.0
2-Methylnaphthalene	91-57-6	8270	10	0.29
2-Naphthylamine	91-59-8	8270	10	7.0
2-Nitroaniline	88-74-4	8270	10	1.0
2-Nitrophenol	88-75-5	8270	10	1.27
2-Picoline	109-06-8	8270	10	1.0
2-Propanol (5 ml purge)	67-63-0	8260	100	50
[redacted]	[redacted]	[redacted]	[redacted]	3.0
[redacted]	[redacted]	[redacted]	[redacted]	3.3
3-Methylcholanthrene	56-49-5	8270	10	1.0
3-Nitroaniline	99-09-2	8270	10	2.0
4,6-Dinitro-2-methylphenol	534-52-1	8270	10	[redacted]
[redacted]	92-67-1	8270	10	3.0
4-Bromophenyl phenyl ether	101-55-3	8270	10	0.56
4-Chloro-3-methylphenol	59-50-7	8270	10	1.0
4-Chloroaniline	106-47-8	8270	10	3.3
4-Chlorophenyl phenyl ether	7005-72-3	8270	10	0.6
4-Methyl-2-pentanone	108-10-1	8260	10	2.0
4-Nitroaniline	106-44-5	8270	10	1.5
4-Nitrophenol	100-01-6	8270	10	3.0
[redacted]	[redacted]	[redacted]	[redacted]	5
5-Nitro-o-toluidine	56-57-5	8270	10	2.0
7,12-Dimethylbenz(a)anthracene	99-55-8	8270	10	1.8
a,a-Dimethylphenethylamine (GEL)	122-09-8	8270	50	5
Acenaphthene		8270	10	0.35

Analyte	CAS Number	METHOD	PQL(ug/l)	MDL(ug/l)
Acenaphthylene	208-96-8	8270	10	0.48
Acetone	67-64-1	8260	10	2.0
Acetonitrile	75-05-8	8260	100	31.67
Acetophenone	[illegible]	**8270**	**10**	[illegible]
Acrolein	**107-02-8**	**8260**	**10**	**3.4**
Acrylonitrile	107-13-1	8260	10	1.1
Allyl chloride/ (3-Chloropropene)	107-05-1	8260	10	1.0
Aniline	**62-53-3**	**8270**	**10**	**1.1**
Anthracene	120-12-7	8270	10	0.52
Antimony	7440-36-0	6020 /6010	2	0.6
Aramite	**140-57-8**	**8270**	**10**	**3.7**
Arsenic	7440-38-2	6020/ 6010	10	2
Barium	7440-39-3	6020/ 6010	10	1.3
Benzene	71-43-2	8260	1	0.3
Benzo(a)anthracene	56-55-3	8270	10	0.45
Benzo(a)pyrene	50-32-8	8270	10	1.5
Benzo(b)fluoranthene	205-99-2	8270	10	1.2
Benzo(g,h,i)perylene	191-24-2	8270	10	0.42
Benzo(k)fluoranthene	207-08-9	8270	10	1.6
Benzyl alcohol	**100-51-6**	**8270**	**10**	**3.0**
Beryllium	7440-41-7	6020/6010	1	0.3
Bis(2-chlorethoxy)methane	**111-91-1**	**8270**	**1**	**0.5**
Bis(2-chloroethyl)ether	**111-44-4**	**8270**	**1**	**0.5**
Bis(2-chloroisopropyl)ether	108-60-1	8270	10	0.6
Bis(2-ethylhexyl)phthalate	117-81-7	8270	10	2.0
Bromodichloromethane	75-27-4	8260	1	0.3
Bromoform	75-25-2	8260	1	0.4
Bromomethane	74-83-9	8260	1	0.542
Butyl benzyl phthalate	**85-68-7**	**8270**	**10**	[illegible]
Cadmium	7440-43-9	6020/ 6010	1	0.2
Carbon disulfide	75-15-0	8260	10	0.4
Carbon tetrachloride	56-23-5	8260	1	0.3
Chloromethane (required for compliance-not an App IX)-JCF 7-12-24		8260	1	
Chloroethane (required for compliance list-not and App IX)-JCF 7-12-24		8260 JW=7/11/24	1	
Chlorobenzilate	**510-15-6**	[illegible]	**10**	**3.0**

Analyte	CAS Number	METHOD	PQL(ug/l)	MDL(ug/l)
Chloroform	67-66-3	8260	1	0.3
Chloroprene/ (2-Chloro-1,3-butadiene	126-99-8	8260	10	0.46
Chromium	7440-47-3	6020/6010	5	1.0
Chrysene	218-01-9	8270	10	0.31
Cobalt	7440-48-4	6020/6010	5	1.0
Copper	7440-50-8	6020/6010	5	1.7
Cyanide	57-12-5	9010	20	5
Diallate	2303-16-4	8270	10	3.0
Dibenzo(a,h)anthracene	53-70-3	8270	10	0.38
Dibenzofuran	132-64-9	8270	10	0.6
Dibromochloromethane	124-48-1	8260	1	0.4
Dibromomethane/ (methylene bromide)	74-95-3	8260	1	0.3
Dichlorodifluoromethane	75-71-8	8260	1	0.4
Diethyl ether/ (ethyl ether)	60-29-7	8260	12.5	1.11
Diethyl phthalate	84-66-2	8270	10	2.0
Dimethoate	60-51-5	8270	10	3.0
Dimethyl ether ~~(8260C)~~	115-10-6	8260 D	12.5	1.11
Dimethyl phthalate **(GEL)**	131-11-3	8270	10	0.5
Di-n-butyl phthalate	**84-74-2**	**8270**	**10**	**0.5**
Di-n-octyl phthalate **(GEL)**	117-84-0	8270	10	0.8
Diphenylamine (as n-nitrosodiphenylamine	86-30-6	8270	10	0.58
Disulfoton	**298-04-4**	**8270**	**10**	**3.0**
Ethyl methacrylate	97-63-2	8260	10	0.81
~~*Ethyl methacrylate (dup 8260)*~~	~~*97-63-2*~~	~~*8270*~~	~~*10*~~	~~*0.2*~~
Ethyl methanesulfonate	62-50-0	8270	10	1.1
Ethylbenzene	100-41-4	8260	1	0.3
Famphur	**52-85-7**	**8270**	**10**	**5.0**
Fluoranthene	206-44-0	8270	10	0.42
Fluorene	86-73-7	8270	10	0.38

Analyte	CAS Number	METHOD	PQL (ug/l)	MDL (ug/l)
Hexachloroethane	67-72-1	8260/8270	10	0.4
Hexachlorobenzene	118-74-1	8270	10	0.87
Hexachlorobutadiene	87-68-3	8260	1	0.4
Hexachlorocyclopentadiene	77-47-4	8270	10	[illegible]
Hexachlorophene (GEL)	70-30-4	8270	500	185
Hexachloropropene	1888-71-7	8270	10	2
Indeno(1 ,2,3-cd)pyrene	193-39-5	8270	10	0.15
Iodomethane/ (methyl iodide)	74-88-4	8260	10	0.58
Isobutyl alcohol	78-83-1	8260	200	11.6
Isodrin	465-73-6	8270	10	1.1
Isophorone	78-59-1	8270	10	0.5
[illegible]	120-58-1	8270	[illegible]	1.6
Kepone	143-50-0	8270	50	25
Lead	7439-92-1	6020/6010	3	1.0
m,p-Cresol	106-44-5	8270	20	2.47
m,p-Xylene	179601-23-1	8260	2	0.4
Mercury	7439-97-6	7470	2	0.2
Methacrylonitrile	126-98-7	8260	100	9.75
Methapyrilene	91-80-5	8270	10	3.0
Methyl methacrylate	80-62-6	8260	10	3.58
Methyl methanesulfonate	66-27-3	8270	10	1.0
Methyl parathion	298-00-0	8270	10	3.2
Methylene chloride	75-09-2	8260	1	0.7
Naphthalene	91-20-3	8260	1	0.4
Nickel	7440-02-0	6020/6010	10	2.0
Nitrobenzene	98-95-3	8270	10	0.6
N-Nitrosodiethylamine	55-18-5	8270	10	3.0
N-Nitrosodimethylamine	62-75-9	8270	10	2.0
N-Nitroso-di-n-butylamine	924-16-3	8270	10	3.0
[illegible]	[illegible]	[illegible]	10	0.5
N-Nitrosodiphenylamine (as diphenylamine)	86-30-6	8270	10	0.58
n-Nitrosomethylethylamine	10595-95-6	8270	10	1.0

17/18

Analyte	CAS Number	METHOD	PQL(ug/l)	MDL (ug/1)
N-Nitrosomorpholine	59-89-2	8270	10	3.0
N-Nitrosopiperidine	100-75-4	8270	10	1.1
N-Nitrosopyrrolidine	930-55-2	8270	10	0.5
o,o,o-Triethylphosphorothioate	126-68-1	8270	10	2.6
o,o-Diethyl-o-2-pyrazinyl phosphorothioate/ (Thionazin)	297-97-2	8270	10	2.4
o-Cresol/ (2-methylphenol)	95-48-7	8270	10	0.96
o-Toluidine	95-53-4	8270	10	4.0
o-Xylene	95-47-6	8260	1	0.4
Parathion/ (Ethyl parathion)	56-38-2	8270	10	3.0
p-Dimethylaminoazobenzene	60-11-7	8270	10	3.0
Pentachlorobenzene	608-93-5	8270	10	1.6
Pentachloroethane	76-01-7	8260	10	1.7
~~*Pentachloroethane (dup)*~~	~~76-01-7~~	~~8270~~	~~10~~	~~2.7~~
Pentachloronitrobenzene (Enthalpy)	82-68-8	8270	10	1.0
Pentachlorophenol	87-86-5	8270	10	3.0
Phenacetin	62-44-2	8270	10	1.4
Phenanthrene	85-01-8	8270	10	0.52
Phenol	108-95-2	8270	10	0.77
Phorate	298-02-2	8270	10	2.5
p-Phenylenediamine (1,4-BENZENEDIAMINE)	106-50-3	8270	150	26.4
Pronamide	23950-58-5	8270	10	1.5
Propionitrile	107-12-0	8260	100	10.22
Pyrene	129-00-0	8270	10	0.41
Pyridine	110-86-1	8270	10	[redacted]
Safrole	94-59-7	8270	10	2.2
Selenium	7782-49-2	6020/6010	10	3.0
Silver	7440-22-4	6020/6010	2	0.3
Styrene	100-42-5	8260	1	0.3
Sulfotep	3689-24-5	8270	10	2.4
sym-Trinitrobenzene/ (1,3,5-trinitrobenzene)	99-35-4	8270	10	3.0
Tetrachloroethene	127-18-4	8260	1	0.3
Tetrahydrofuran	109-99-9	8260	25	2
Thallium	7440-28-0	6020/6010	1	0.2
Toluene	108-88-3	8260	1	0.3

18/18

Analyte	CAS Number	METHOD	PQL (ug/l)	MDL (ug/l)
trans-1,2-Dichloroethene	156-60-5	8260	1	0.3
trans-1,3-Dichloropropene	10061-02-6	8260	1	0.4
[redacted]	[redacted]	[redacted]	10	[redacted]
Trichloroethene	79-01-6	8260	1	0.3
Trichlorofluoromethane	75-69-4	8260	1	0.4
Vanadium	7440-62-2	6020/6010	10	2.5
Vinyl acetate	108-05-4	8260	10	3.29
Vinyl chloride	75-01-4	8260	1	0.2
Xylenes, Total	1330-20-7	8260	3	0.4
Zinc	7440-66-6	6020/6010	30	7.3

Notes:
ug/l = micrograms per liter
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
CAS = Chemical Abstracts Service Registry Number

2024

GEL, Charleston, SC – 4 analytes – 8270 only
Enthalpy, Richmond, VA – Pentachloronitrobenzene only -8270 only
Eurofins – Barberton, Cleveland, OH (old Test America- North Canton, OH)
ELLE, Lancaster, PA

Login Sample Receipt Checklist

Client: TRC, Engineers, Inc. Job Number: 410-234898-2

Login Number: 234898 **List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
List Number: 1
Creator: Santiago, Nathaniel

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Janet Frazier
TRC, Engineers, Inc.
2200 South Main Street
Suite A
Blacksburg VA 24060

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JOB DESCRIPTION

RFAAP, Radford VA HWMU16

JOB NUMBER

240-229857-1

Eurofins Cleveland
180 S. Van Buren Avenue
Barberton OH 44203

See page two for job notes and contact information.

myEOL

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Definitions/Glossary

Client: TRC, Engineers, Inc. Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-229857-1

Report revised 9/8/2025 to report additional VOCs and SVOCs.

Receipt
The samples were received on 7/31/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 240-666167 recovered above the upper control limit for Acrolein. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:16C1 (240-229857-1), 16MW8 (240-229857-2), 16MW9 (240-229857-3) and (CCVIS 240-666167/1).

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-666167 was outside the method criteria for the following analyte(s): trans-1,4-Dichloro-2-butene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E: The continuing calibration verification (CCV) associated with batch 240-666181 recovered outside acceptance criteria, low biased, for 4-Nitroquinoline-1-oxide, Famphur, p-Phenylene diamine and Pyridine. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for the analytes, the data were reported. Samples 16C1 (240-229857-1), 16MW8 (240-229857-2), 16MW9 (240-229857-3), 16WC1A (240-229857-4), 16WDUP (240-229857-5) and 16WC1B (240-229857-6) were impacted.

Method 8270E: The laboratory control sample (LCS) for preparation batch 240-666059 and analytical batch 240-666181 recovered outside control limits for Famphur. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Samples 16C1 (240-229857-1), 16MW8 (240-229857-2), 16MW9 (240-229857-3), 16WC1A (240-229857-4), 16WDUP (240-229857-5) and 16WC1B (240-229857-6) were impacted.

Method 8270E: The laboratory control sample (LCS) for preparation batch 240-666059 and analytical batch 240-666181 recovered outside control limits for the following analytes: 2-Picoline, Methapyrilene and p-Phenylene diamine. These analytes has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: TRC, Engineers, Inc.
Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Client Sample ID: 16C1 — Lab Sample ID: 240-229857-1

No Detections.

Client Sample ID: 16MW8 — Lab Sample ID: 240-229857-2

No Detections.

Client Sample ID: 16MW9 — Lab Sample ID: 240-229857-3

No Detections.

Client Sample ID: 16WC1A — Lab Sample ID: 240-229857-4

No Detections.

Client Sample ID: 16WDUP — Lab Sample ID: 240-229857-5

No Detections.

Client Sample ID: 16WC1B — Lab Sample ID: 240-229857-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16C1
Date Collected: 07/30/25 14:20
Date Received: 07/31/25 10:00

Lab Sample ID: 240-229857-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10	U	10	2.1	ug/L			08/03/25 06:32	1
trans-1,4-Dichloro-2-butene	10	U	10	1.5	ug/L			08/03/25 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*78 - 122*		*08/03/25 06:32*	*1*
Dibromofluoromethane (Surr)	*96*		*73 - 120*		*08/03/25 06:32*	*1*
4-Bromofluorobenzene (Surr)	*101*		*56 - 136*		*08/03/25 06:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*		*08/03/25 06:32*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
1,4-Naphthoquinone	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
1-Naphthylamine	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
2,4-Dimethylphenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
2,4-Dinitrophenol	9.2	U	9.2	5.7	ug/L		08/01/25 08:55	08/04/25 13:03	1
2-Acetylaminofluorene	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
2-Naphthylamine	9.2	U	9.2	6.4	ug/L		08/01/25 08:55	08/04/25 13:03	1
2-Picoline	9.2	U *-	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:03	1
3,3'-Dichlorobenzidine	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
3,3'-Dimethylbenzidine	9.2	U	9.2	3.0	ug/L		08/01/25 08:55	08/04/25 13:03	1
3-Methylcholanthrene	9.2	U	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:03	1
3-Nitroaniline	9.2	U	9.2	1.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
4,6-Dinitro-2-methylphenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
4-Aminobiphenyl	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
4-Chloroaniline	9.2	U	9.2	3.0	ug/L		08/01/25 08:55	08/04/25 13:03	1
4-Nitroaniline	9.2	U	9.2	1.4	ug/L		08/01/25 08:55	08/04/25 13:03	1
4-Nitroquinoline-1-oxide	46	U	46	4.6	ug/L		08/01/25 08:55	08/04/25 13:03	1
7,12-Dimethylbenz(a)anthracene	9.2	U	9.2	1.7	ug/L		08/01/25 08:55	08/04/25 13:03	1
Acetophenone	9.2	U	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:03	1
Aniline	9.2	U	9.2	1.0	ug/L		08/01/25 08:55	08/04/25 13:03	1
Aramite, Total	9.2	U	9.2	3.4	ug/L		08/01/25 08:55	08/04/25 13:03	1
Benzyl alcohol	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
Bis(2-chloroethoxy)methane	0.92	U	0.92	0.46	ug/L		08/01/25 08:55	08/04/25 13:03	1
Bis(2-chloroethyl)ether	0.92	U	0.92	0.46	ug/L		08/01/25 08:55	08/04/25 13:03	1
Butyl benzyl phthalate	9.2	U	9.2	0.64	ug/L		08/01/25 08:55	08/04/25 13:03	1
Chlorobenzilate	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
Di-n-butyl phthalate	9.2	U	9.2	1.7	ug/L		08/01/25 08:55	08/04/25 13:03	1
Disulfoton	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
Ethyl Parathion	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
Famphur	9.2	U *+	9.2	4.6	ug/L		08/01/25 08:55	08/04/25 13:03	1
Hexachlorocyclopentadiene	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
Hexachloroethane	9.2	U	9.2	0.37	ug/L		08/01/25 08:55	08/04/25 13:03	1
Isophorone	9.2	U	9.2	0.46	ug/L		08/01/25 08:55	08/04/25 13:03	1
Isosafrole	4.6	U	4.6	1.5	ug/L		08/01/25 08:55	08/04/25 13:03	1
Methapyrilene	9.2	U *-	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
Methyl methanesulfonate	9.2	U	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:03	1
Methyl parathion	9.2	U	9.2	2.9	ug/L		08/01/25 08:55	08/04/25 13:03	1
N-Nitrosodi-n-butylamine	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
N-Nitrosodi-n-propylamine	9.2	U	9.2	0.46	ug/L		08/01/25 08:55	08/04/25 13:03	1

Client Sample ID: 16C1
Lab Sample ID: 240-229857-1

Date Collected: 07/30/25 14:20
Matrix: Water
Date Received: 07/31/25 10:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	9.2	U	9.2	0.53	ug/L		08/01/25 08:55	08/04/25 13:03	1
N-Nitrosomethylethylamine	9.2	U	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:03	1
N-Nitrosopyrrolidine	9.2	U	9.2	0.46	ug/L		08/01/25 08:55	08/04/25 13:03	1
p-Dimethylamino azobenzene	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
p-Phenylene diamine	140	U *-	140	24	ug/L		08/01/25 08:55	08/04/25 13:03	1
Pronamide	4.6	U	4.6	1.4	ug/L		08/01/25 08:55	08/04/25 13:03	1
Pyridine	9.2	U	9.2	1.8	ug/L		08/01/25 08:55	08/04/25 13:03	1
2-Toluidine	9.2	U	9.2	3.7	ug/L		08/01/25 08:55	08/04/25 13:03	1
4-Nitrophenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*99*		*43 - 136*	*08/01/25 08:55*	*08/04/25 13:03*	*1*
Phenol-d5 (Surr)	*61*		*10 - 120*	*08/01/25 08:55*	*08/04/25 13:03*	*1*
Nitrobenzene-d5 (Surr)	*82*		*40 - 120*	*08/01/25 08:55*	*08/04/25 13:03*	*1*
2-Fluorophenol (Surr)	*91*		*10 - 127*	*08/01/25 08:55*	*08/04/25 13:03*	*1*
2-Fluorobiphenyl (Surr)	*83*		*41 - 120*	*08/01/25 08:55*	*08/04/25 13:03*	*1*
2,4,6-Tribromophenol (Surr)	*71*		*23 - 127*	*08/01/25 08:55*	*08/04/25 13:03*	*1*

Client Sample ID: 16MW8
Lab Sample ID: 240-229857-2

Date Collected: 07/29/25 11:20
Matrix: Water
Date Received: 07/31/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10	U	10	2.1	ug/L			08/03/25 06:55	1
trans-1,4-Dichloro-2-butene	10	U	10	1.5	ug/L			08/03/25 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*78 - 122*		*08/03/25 06:55*	*1*
Dibromofluoromethane (Surr)	*96*		*73 - 120*		*08/03/25 06:55*	*1*
4-Bromofluorobenzene (Surr)	*104*		*56 - 136*		*08/03/25 06:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*62 - 137*		*08/03/25 06:55*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
1,4-Naphthoquinone	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
1-Naphthylamine	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
2,4-Dimethylphenol	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
2,4-Dinitrophenol	9.3	U	9.3	5.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
2-Acetylaminofluorene	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
2-Naphthylamine	9.3	U	9.3	6.5	ug/L		08/01/25 08:55	08/04/25 13:25	1
2-Picoline	9.3	U *-	9.3	0.93	ug/L		08/01/25 08:55	08/04/25 13:25	1
3,3'-Dichlorobenzidine	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
3,3'-Dimethylbenzidine	9.3	U	9.3	3.1	ug/L		08/01/25 08:55	08/04/25 13:25	1
3-Methylcholanthrene	9.3	U	9.3	0.93	ug/L		08/01/25 08:55	08/04/25 13:25	1
3-Nitroaniline	9.3	U	9.3	1.9	ug/L		08/01/25 08:55	08/04/25 13:25	1
4,6-Dinitro-2-methylphenol	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
4-Aminobiphenyl	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
4-Chloroaniline	9.3	U	9.3	3.1	ug/L		08/01/25 08:55	08/04/25 13:25	1
4-Nitroaniline	9.3	U	9.3	1.4	ug/L		08/01/25 08:55	08/04/25 13:25	1

Client Sample ID: 16MW8
Lab Sample ID: 240-229857-2
Date Collected: 07/29/25 11:20
Matrix: Water
Date Received: 07/31/25 10:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroquinoline-1-oxide	47	U	47	4.7	ug/L		08/01/25 08:55	08/04/25 13:25	1
7,12-Dimethylbenz(a)anthracene	9.3	U	9.3	1.7	ug/L		08/01/25 08:55	08/04/25 13:25	1
Acetophenone	9.3	U	9.3	0.93	ug/L		08/01/25 08:55	08/04/25 13:25	1
Aniline	9.3	U	9.3	1.0	ug/L		08/01/25 08:55	08/04/25 13:25	1
Aramite, Total	9.3	U	9.3	3.4	ug/L		08/01/25 08:55	08/04/25 13:25	1
Benzyl alcohol	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
Bis(2-chloroethoxy)methane	0.93	U	0.93	0.47	ug/L		08/01/25 08:55	08/04/25 13:25	1
Bis(2-chloroethyl)ether	0.93	U	0.93	0.47	ug/L		08/01/25 08:55	08/04/25 13:25	1
Butyl benzyl phthalate	9.3	U	9.3	0.65	ug/L		08/01/25 08:55	08/04/25 13:25	1
Chlorobenzilate	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
Di-n-butyl phthalate	9.3	U	9.3	1.7	ug/L		08/01/25 08:55	08/04/25 13:25	1
Disulfoton	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
Ethyl Parathion	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
Famphur	9.3	U *+	9.3	4.7	ug/L		08/01/25 08:55	08/04/25 13:25	1
Hexachlorocyclopentadiene	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
Hexachloroethane	9.3	U	9.3	0.37	ug/L		08/01/25 08:55	08/04/25 13:25	1
Isophorone	9.3	U	9.3	0.47	ug/L		08/01/25 08:55	08/04/25 13:25	1
Isosafrole	4.7	U	4.7	1.5	ug/L		08/01/25 08:55	08/04/25 13:25	1
Methapyrilene	9.3	U *-	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
Methyl methanesulfonate	9.3	U	9.3	0.93	ug/L		08/01/25 08:55	08/04/25 13:25	1
Methyl parathion	9.3	U	9.3	3.0	ug/L		08/01/25 08:55	08/04/25 13:25	1
N-Nitrosodi-n-butylamine	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
N-Nitrosodi-n-propylamine	9.3	U	9.3	0.47	ug/L		08/01/25 08:55	08/04/25 13:25	1
N-Nitrosodiphenylamine	9.3	U	9.3	0.54	ug/L		08/01/25 08:55	08/04/25 13:25	1
N-Nitrosomethylethylamine	9.3	U	9.3	0.93	ug/L		08/01/25 08:55	08/04/25 13:25	1
N-Nitrosopyrrolidine	9.3	U	9.3	0.47	ug/L		08/01/25 08:55	08/04/25 13:25	1
p-Dimethylamino azobenzene	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1
p-Phenylene diamine	140	U *-	140	25	ug/L		08/01/25 08:55	08/04/25 13:25	1
Pronamide	4.7	U	4.7	1.4	ug/L		08/01/25 08:55	08/04/25 13:25	1
Pyridine	9.3	U	9.3	1.9	ug/L		08/01/25 08:55	08/04/25 13:25	1
2-Toluidine	9.3	U	9.3	3.7	ug/L		08/01/25 08:55	08/04/25 13:25	1
4-Nitrophenol	9.3	U	9.3	2.8	ug/L		08/01/25 08:55	08/04/25 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*94*		*43 - 136*	*08/01/25 08:55*	*08/04/25 13:25*	*1*
Phenol-d5 (Surr)	*69*		*10 - 120*	*08/01/25 08:55*	*08/04/25 13:25*	*1*
Nitrobenzene-d5 (Surr)	*76*		*40 - 120*	*08/01/25 08:55*	*08/04/25 13:25*	*1*
2-Fluorophenol (Surr)	*101*		*10 - 127*	*08/01/25 08:55*	*08/04/25 13:25*	*1*
2-Fluorobiphenyl (Surr)	*79*		*41 - 120*	*08/01/25 08:55*	*08/04/25 13:25*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*23 - 127*	*08/01/25 08:55*	*08/04/25 13:25*	*1*

Client Sample ID: 16MW9
Lab Sample ID: 240-229857-3
Date Collected: 07/30/25 13:15
Matrix: Water
Date Received: 07/31/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10	U	10	2.1	ug/L			08/03/25 07:19	1
trans-1,4-Dichloro-2-butene	10	U	10	1.5	ug/L			08/03/25 07:19	1

Client Sample ID: 16MW9
Date Collected: 07/30/25 13:15
Date Received: 07/31/25 10:00

Lab Sample ID: 240-229857-3
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*78 - 122*		*08/03/25 07:19*	*1*
Dibromofluoromethane (Surr)	*93*		*73 - 120*		*08/03/25 07:19*	*1*
4-Bromofluorobenzene (Surr)	*104*		*56 - 136*		*08/03/25 07:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 137*		*08/03/25 07:19*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
1,4-Naphthoquinone	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
1-Naphthylamine	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
2,4-Dimethylphenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
2,4-Dinitrophenol	9.2	U	9.2	5.7	ug/L		08/01/25 08:55	08/04/25 13:47	1
2-Acetylaminofluorene	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
2-Naphthylamine	9.2	U	9.2	6.5	ug/L		08/01/25 08:55	08/04/25 13:47	1
2-Picoline	9.2	U *-	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:47	1
3,3'-Dichlorobenzidine	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
3,3'-Dimethylbenzidine	9.2	U	9.2	3.0	ug/L		08/01/25 08:55	08/04/25 13:47	1
3-Methylcholanthrene	9.2	U	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:47	1
3-Nitroaniline	9.2	U	9.2	1.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
4,6-Dinitro-2-methylphenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
4-Aminobiphenyl	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
4-Chloroaniline	9.2	U	9.2	3.0	ug/L		08/01/25 08:55	08/04/25 13:47	1
4-Nitroaniline	9.2	U	9.2	1.4	ug/L		08/01/25 08:55	08/04/25 13:47	1
4-Nitroquinoline-1-oxide	46	U	46	4.6	ug/L		08/01/25 08:55	08/04/25 13:47	1
7,12-Dimethylbenz(a)anthracene	9.2	U	9.2	1.7	ug/L		08/01/25 08:55	08/04/25 13:47	1
Acetophenone	9.2	U	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:47	1
Aniline	9.2	U	9.2	1.0	ug/L		08/01/25 08:55	08/04/25 13:47	1
Aramite, Total	9.2	U	9.2	3.4	ug/L		08/01/25 08:55	08/04/25 13:47	1
Benzyl alcohol	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
Bis(2-chloroethoxy)methane	0.92	U	0.92	0.46	ug/L		08/01/25 08:55	08/04/25 13:47	1
Bis(2-chloroethyl)ether	0.92	U	0.92	0.46	ug/L		08/01/25 08:55	08/04/25 13:47	1
Butyl benzyl phthalate	9.2	U	9.2	0.65	ug/L		08/01/25 08:55	08/04/25 13:47	1
Chlorobenzilate	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
Di-n-butyl phthalate	9.2	U	9.2	1.7	ug/L		08/01/25 08:55	08/04/25 13:47	1
Disulfoton	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
Ethyl Parathion	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
Famphur	9.2	U *+	9.2	4.6	ug/L		08/01/25 08:55	08/04/25 13:47	1
Hexachlorocyclopentadiene	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
Hexachloroethane	9.2	U	9.2	0.37	ug/L		08/01/25 08:55	08/04/25 13:47	1
Isophorone	9.2	U	9.2	0.46	ug/L		08/01/25 08:55	08/04/25 13:47	1
Isosafrole	4.6	U	4.6	1.5	ug/L		08/01/25 08:55	08/04/25 13:47	1
Methapyrilene	9.2	U *-	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
Methyl methanesulfonate	9.2	U	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:47	1
Methyl parathion	9.2	U	9.2	3.0	ug/L		08/01/25 08:55	08/04/25 13:47	1
N-Nitrosodi-n-butylamine	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
N-Nitrosodi-n-propylamine	9.2	U	9.2	0.46	ug/L		08/01/25 08:55	08/04/25 13:47	1
N-Nitrosodiphenylamine	9.2	U	9.2	0.54	ug/L		08/01/25 08:55	08/04/25 13:47	1
N-Nitrosomethylethylamine	9.2	U	9.2	0.92	ug/L		08/01/25 08:55	08/04/25 13:47	1
N-Nitrosopyrrolidine	9.2	U	9.2	0.46	ug/L		08/01/25 08:55	08/04/25 13:47	1
p-Dimethylamino azobenzene	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1

Client Sample ID: 16MW9
Lab Sample ID: 240-229857-3
Date Collected: 07/30/25 13:15
Matrix: Water
Date Received: 07/31/25 10:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Phenylene diamine	140	U *-	140	24	ug/L		08/01/25 08:55	08/04/25 13:47	1
Pronamide	4.6	U	4.6	1.4	ug/L		08/01/25 08:55	08/04/25 13:47	1
Pyridine	9.2	U	9.2	1.8	ug/L		08/01/25 08:55	08/04/25 13:47	1
2-Toluidine	9.2	U	9.2	3.7	ug/L		08/01/25 08:55	08/04/25 13:47	1
4-Nitrophenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:55	08/04/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*96*		*43 - 136*	*08/01/25 08:55*	*08/04/25 13:47*	*1*
Phenol-d5 (Surr)	*57*		*10 - 120*	*08/01/25 08:55*	*08/04/25 13:47*	*1*
Nitrobenzene-d5 (Surr)	*80*		*40 - 120*	*08/01/25 08:55*	*08/04/25 13:47*	*1*
2-Fluorophenol (Surr)	*89*		*10 - 127*	*08/01/25 08:55*	*08/04/25 13:47*	*1*
2-Fluorobiphenyl (Surr)	*81*		*41 - 120*	*08/01/25 08:55*	*08/04/25 13:47*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*23 - 127*	*08/01/25 08:55*	*08/04/25 13:47*	*1*

Client Sample ID: 16WC1A
Lab Sample ID: 240-229857-4
Date Collected: 07/30/25 11:05
Matrix: Water
Date Received: 07/31/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10	U	10	2.1	ug/L			08/05/25 15:16	1
trans-1,4-Dichloro-2-butene	10	U	10	1.5	ug/L			08/05/25 15:16	1
Acetone	10	U	10	5.4	ug/L			08/05/25 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*78 - 122*		*08/05/25 15:16*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/05/25 15:16*	*1*
4-Bromofluorobenzene (Surr)	*88*		*56 - 136*		*08/05/25 15:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*62 - 137*		*08/05/25 15:16*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
1,4-Naphthoquinone	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
1-Naphthylamine	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
2,4-Dimethylphenol	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
2,4-Dinitrophenol	9.5	U	9.5	5.9	ug/L		08/01/25 08:55	08/04/25 14:09	1
2-Acetylaminofluorene	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
2-Naphthylamine	9.5	U	9.5	6.6	ug/L		08/01/25 08:55	08/04/25 14:09	1
2-Picoline	9.5	U *-	9.5	0.95	ug/L		08/01/25 08:55	08/04/25 14:09	1
3,3'-Dichlorobenzidine	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
3,3'-Dimethylbenzidine	9.5	U	9.5	3.1	ug/L		08/01/25 08:55	08/04/25 14:09	1
3-Methylcholanthrene	9.5	U	9.5	0.95	ug/L		08/01/25 08:55	08/04/25 14:09	1
3-Nitroaniline	9.5	U	9.5	1.9	ug/L		08/01/25 08:55	08/04/25 14:09	1
4,6-Dinitro-2-methylphenol	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
4-Aminobiphenyl	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
4-Chloroaniline	9.5	U	9.5	3.1	ug/L		08/01/25 08:55	08/04/25 14:09	1
4-Nitroaniline	9.5	U	9.5	1.4	ug/L		08/01/25 08:55	08/04/25 14:09	1
4-Nitroquinoline-1-oxide	47	U	47	4.7	ug/L		08/01/25 08:55	08/04/25 14:09	1
7,12-Dimethylbenz(a)anthracene	9.5	U	9.5	1.7	ug/L		08/01/25 08:55	08/04/25 14:09	1
Acetophenone	9.5	U	9.5	0.95	ug/L		08/01/25 08:55	08/04/25 14:09	1

Client Sample ID: 16WC1A
Date Collected: 07/30/25 11:05
Date Received: 07/31/25 10:00

Lab Sample ID: 240-229857-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	9.5	U	9.5	1.0	ug/L		08/01/25 08:55	08/04/25 14:09	1
Aramite, Total	9.5	U	9.5	3.5	ug/L		08/01/25 08:55	08/04/25 14:09	1
Benzyl alcohol	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
Bis(2-chloroethoxy)methane	0.95	U	0.95	0.47	ug/L		08/01/25 08:55	08/04/25 14:09	1
Bis(2-chloroethyl)ether	0.95	U	0.95	0.47	ug/L		08/01/25 08:55	08/04/25 14:09	1
Butyl benzyl phthalate	9.5	U	9.5	0.66	ug/L		08/01/25 08:55	08/04/25 14:09	1
Chlorobenzilate	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
Di-n-butyl phthalate	9.5	U	9.5	1.7	ug/L		08/01/25 08:55	08/04/25 14:09	1
Disulfoton	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
Ethyl Parathion	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
Famphur	9.5	U *+	9.5	4.7	ug/L		08/01/25 08:55	08/04/25 14:09	1
Hexachlorocyclopentadiene	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
Hexachloroethane	9.5	U	9.5	0.38	ug/L		08/01/25 08:55	08/04/25 14:09	1
Isophorone	9.5	U	9.5	0.47	ug/L		08/01/25 08:55	08/04/25 14:09	1
Isosafrole	4.7	U	4.7	1.5	ug/L		08/01/25 08:55	08/04/25 14:09	1
Methapyrilene	9.5	U *-	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
Methyl methanesulfonate	9.5	U	9.5	0.95	ug/L		08/01/25 08:55	08/04/25 14:09	1
Methyl parathion	9.5	U	9.5	3.0	ug/L		08/01/25 08:55	08/04/25 14:09	1
N-Nitrosodi-n-butylamine	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
N-Nitrosodi-n-propylamine	9.5	U	9.5	0.47	ug/L		08/01/25 08:55	08/04/25 14:09	1
N-Nitrosodiphenylamine	9.5	U	9.5	0.55	ug/L		08/01/25 08:55	08/04/25 14:09	1
N-Nitrosomethylethylamine	9.5	U	9.5	0.95	ug/L		08/01/25 08:55	08/04/25 14:09	1
N-Nitrosopyrrolidine	9.5	U	9.5	0.47	ug/L		08/01/25 08:55	08/04/25 14:09	1
p-Dimethylamino azobenzene	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
p-Phenylene diamine	140	U *-	140	25	ug/L		08/01/25 08:55	08/04/25 14:09	1
Pronamide	4.7	U	4.7	1.4	ug/L		08/01/25 08:55	08/04/25 14:09	1
Pyridine	9.5	U F2	9.5	1.9	ug/L		08/01/25 08:55	08/04/25 14:09	1
2-Toluidine	9.5	U	9.5	3.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
4-Nitrophenol	9.5	U	9.5	2.8	ug/L		08/01/25 08:55	08/04/25 14:09	1
2,4,5-Trichlorophenol	9.5	U	9.5	1.9	ug/L		08/01/25 08:55	08/04/25 14:09	1
2,4-Dichlorophenol	9.5	U	9.5	1.5	ug/L		08/01/25 08:55	08/04/25 14:09	1
4-Chloro-3-methylphenol	9.5	U	9.5	0.95	ug/L		08/01/25 08:55	08/04/25 14:09	1
2-Nitrophenol	9.5	U	9.5	1.2	ug/L		08/01/25 08:55	08/04/25 14:09	1
2,4,6-Trichlorophenol	9.5	U	9.5	1.7	ug/L		08/01/25 08:55	08/04/25 14:09	1
2-Methylphenol	9.5	U	9.5	0.91	ug/L		08/01/25 08:55	08/04/25 14:09	1
2,6-Dichlorophenol	9.5	U	9.5	1.3	ug/L		08/01/25 08:55	08/04/25 14:09	1
2-Chlorophenol	9.5	U	9.5	0.95	ug/L		08/01/25 08:55	08/04/25 14:09	1
Phenol	9.5	U	9.5	0.73	ug/L		08/01/25 08:55	08/04/25 14:09	1
2,3,4,6-Tetrachlorophenol	9.5	U	9.5	1.7	ug/L		08/01/25 08:55	08/04/25 14:09	1
3 & 4 Methylphenol	19	U	19	2.3	ug/L		08/01/25 08:55	08/04/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*93*		*43 - 136*	*08/01/25 08:55*	*08/04/25 14:09*	*1*
Phenol-d5 (Surr)	*64*		*10 - 120*	*08/01/25 08:55*	*08/04/25 14:09*	*1*
Nitrobenzene-d5 (Surr)	*77*		*40 - 120*	*08/01/25 08:55*	*08/04/25 14:09*	*1*
2-Fluorophenol (Surr)	*88*		*10 - 127*	*08/01/25 08:55*	*08/04/25 14:09*	*1*
2-Fluorobiphenyl (Surr)	*79*		*41 - 120*	*08/01/25 08:55*	*08/04/25 14:09*	*1*
2,4,6-Tribromophenol (Surr)	*74*		*23 - 127*	*08/01/25 08:55*	*08/04/25 14:09*	*1*

Client Sample ID: 16WDUP
Date Collected: 07/30/25 09:25
Date Received: 07/31/25 10:00

Lab Sample ID: 240-229857-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10	U	10	2.1	ug/L			08/05/25 15:39	1
trans-1,4-Dichloro-2-butene	10	U	10	1.5	ug/L			08/05/25 15:39	1
Acetone	10	U	10	5.4	ug/L			08/05/25 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*78 - 122*		*08/05/25 15:39*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 120*		*08/05/25 15:39*	*1*
4-Bromofluorobenzene (Surr)	*87*		*56 - 136*		*08/05/25 15:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*62 - 137*		*08/05/25 15:39*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
1,4-Naphthoquinone	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
1-Naphthylamine	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
2,4-Dimethylphenol	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
2,4-Dinitrophenol	9.1	U	9.1	5.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
2-Acetylaminofluorene	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
2-Naphthylamine	9.1	U	9.1	6.4	ug/L		08/01/25 08:55	08/04/25 12:19	1
2-Picoline	9.1	U *-	9.1	0.91	ug/L		08/01/25 08:55	08/04/25 12:19	1
3,3'-Dichlorobenzidine	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
3,3'-Dimethylbenzidine	9.1	U	9.1	3.0	ug/L		08/01/25 08:55	08/04/25 12:19	1
3-Methylcholanthrene	9.1	U	9.1	0.91	ug/L		08/01/25 08:55	08/04/25 12:19	1
3-Nitroaniline	9.1	U	9.1	1.8	ug/L		08/01/25 08:55	08/04/25 12:19	1
4,6-Dinitro-2-methylphenol	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
4-Aminobiphenyl	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
4-Chloroaniline	9.1	U	9.1	3.0	ug/L		08/01/25 08:55	08/04/25 12:19	1
4-Nitroaniline	9.1	U	9.1	1.4	ug/L		08/01/25 08:55	08/04/25 12:19	1
4-Nitroquinoline-1-oxide	46	U	46	4.6	ug/L		08/01/25 08:55	08/04/25 12:19	1
7,12-Dimethylbenz(a)anthracene	9.1	U	9.1	1.6	ug/L		08/01/25 08:55	08/04/25 12:19	1
Acetophenone	9.1	U	9.1	0.91	ug/L		08/01/25 08:55	08/04/25 12:19	1
Aniline	9.1	U	9.1	1.0	ug/L		08/01/25 08:55	08/04/25 12:19	1
Aramite, Total	9.1	U	9.1	3.4	ug/L		08/01/25 08:55	08/04/25 12:19	1
Benzyl alcohol	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
Bis(2-chloroethoxy)methane	0.91	U	0.91	0.46	ug/L		08/01/25 08:55	08/04/25 12:19	1
Bis(2-chloroethyl)ether	0.91	U	0.91	0.46	ug/L		08/01/25 08:55	08/04/25 12:19	1
Butyl benzyl phthalate	9.1	U	9.1	0.64	ug/L		08/01/25 08:55	08/04/25 12:19	1
Chlorobenzilate	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
Di-n-butyl phthalate	9.1	U	9.1	1.6	ug/L		08/01/25 08:55	08/04/25 12:19	1
Disulfoton	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
Ethyl Parathion	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
Famphur	9.1	U *+	9.1	4.6	ug/L		08/01/25 08:55	08/04/25 12:19	1
Hexachlorocyclopentadiene	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
Hexachloroethane	9.1	U	9.1	0.37	ug/L		08/01/25 08:55	08/04/25 12:19	1
Isophorone	9.1	U	9.1	0.46	ug/L		08/01/25 08:55	08/04/25 12:19	1
Isosafrole	4.6	U	4.6	1.5	ug/L		08/01/25 08:55	08/04/25 12:19	1
Methapyrilene	9.1	U *-	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
Methyl methanesulfonate	9.1	U	9.1	0.91	ug/L		08/01/25 08:55	08/04/25 12:19	1
Methyl parathion	9.1	U	9.1	2.9	ug/L		08/01/25 08:55	08/04/25 12:19	1
N-Nitrosodi-n-butylamine	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1

Client Sample ID: 16WDUP — Lab Sample ID: 240-229857-5

Date Collected: 07/30/25 09:25 **Matrix: Water**
Date Received: 07/31/25 10:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	9.1	U	9.1	0.46	ug/L		08/01/25 08:55	08/04/25 12:19	1
N-Nitrosodiphenylamine	9.1	U	9.1	0.53	ug/L		08/01/25 08:55	08/04/25 12:19	1
N-Nitrosomethylethylamine	9.1	U	9.1	0.91	ug/L		08/01/25 08:55	08/04/25 12:19	1
N-Nitrosopyrrolidine	9.1	U	9.1	0.46	ug/L		08/01/25 08:55	08/04/25 12:19	1
p-Dimethylamino azobenzene	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
p-Phenylene diamine	140	U *-	140	24	ug/L		08/01/25 08:55	08/04/25 12:19	1
Pronamide	4.6	U	4.6	1.4	ug/L		08/01/25 08:55	08/04/25 12:19	1
Pyridine	9.1	U	9.1	1.8	ug/L		08/01/25 08:55	08/04/25 12:19	1
2-Toluidine	9.1	U	9.1	3.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
4-Nitrophenol	9.1	U	9.1	2.7	ug/L		08/01/25 08:55	08/04/25 12:19	1
2,4,5-Trichlorophenol	9.1	U	9.1	1.8	ug/L		08/01/25 08:55	08/04/25 12:19	1
2,4-Dichlorophenol	9.1	U	9.1	1.5	ug/L		08/01/25 08:55	08/04/25 12:19	1
4-Chloro-3-methylphenol	9.1	U	9.1	0.91	ug/L		08/01/25 08:55	08/04/25 12:19	1
2-Nitrophenol	9.1	U	9.1	1.2	ug/L		08/01/25 08:55	08/04/25 12:19	1
2,4,6-Trichlorophenol	9.1	U	9.1	1.6	ug/L		08/01/25 08:55	08/04/25 12:19	1
2-Methylphenol	9.1	U	9.1	0.88	ug/L		08/01/25 08:55	08/04/25 12:19	1
2,6-Dichlorophenol	9.1	U	9.1	1.3	ug/L		08/01/25 08:55	08/04/25 12:19	1
2-Chlorophenol	9.1	U	9.1	0.91	ug/L		08/01/25 08:55	08/04/25 12:19	1
Phenol	9.1	U	9.1	0.70	ug/L		08/01/25 08:55	08/04/25 12:19	1
2,3,4,6-Tetrachlorophenol	9.1	U	9.1	1.6	ug/L		08/01/25 08:55	08/04/25 12:19	1
3 & 4 Methylphenol	18	U	18	2.3	ug/L		08/01/25 08:55	08/04/25 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*95*		*43 - 136*	*08/01/25 08:55*	*08/04/25 12:19*	*1*
Phenol-d5 (Surr)	*77*		*10 - 120*	*08/01/25 08:55*	*08/04/25 12:19*	*1*
Nitrobenzene-d5 (Surr)	*82*		*40 - 120*	*08/01/25 08:55*	*08/04/25 12:19*	*1*
2-Fluorophenol (Surr)	*111*		*10 - 127*	*08/01/25 08:55*	*08/04/25 12:19*	*1*
2-Fluorobiphenyl (Surr)	*85*		*41 - 120*	*08/01/25 08:55*	*08/04/25 12:19*	*1*
2,4,6-Tribromophenol (Surr)	*82*		*23 - 127*	*08/01/25 08:55*	*08/04/25 12:19*	*1*

Client Sample ID: 16WC1B — Lab Sample ID: 240-229857-6

Date Collected: 07/30/25 09:45 **Matrix: Water**
Date Received: 07/31/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10	U	10	2.1	ug/L			08/05/25 16:03	1
trans-1,4-Dichloro-2-butene	10	U	10	1.5	ug/L			08/05/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*78 - 122*		*08/05/25 16:03*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/05/25 16:03*	*1*
4-Bromofluorobenzene (Surr)	*87*		*56 - 136*		*08/05/25 16:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*62 - 137*		*08/05/25 16:03*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
1,4-Naphthoquinone	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
1-Naphthylamine	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
2,4-Dimethylphenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1

Client Sample ID: 16WC1B
Date Collected: 07/30/25 09:45
Date Received: 07/31/25 10:00

Lab Sample ID: 240-229857-6
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	9.2	U	9.2	5.7	ug/L		08/01/25 08:57	08/04/25 12:41	1
2-Acetylaminofluorene	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
2-Naphthylamine	9.2	U	9.2	6.5	ug/L		08/01/25 08:57	08/04/25 12:41	1
2-Picoline	9.2	U *-	9.2	0.92	ug/L		08/01/25 08:57	08/04/25 12:41	1
3,3'-Dichlorobenzidine	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
3,3'-Dimethylbenzidine	9.2	U	9.2	3.0	ug/L		08/01/25 08:57	08/04/25 12:41	1
3-Methylcholanthrene	9.2	U	9.2	0.92	ug/L		08/01/25 08:57	08/04/25 12:41	1
3-Nitroaniline	9.2	U	9.2	1.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
4,6-Dinitro-2-methylphenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
4-Aminobiphenyl	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
4-Chloroaniline	9.2	U	9.2	3.0	ug/L		08/01/25 08:57	08/04/25 12:41	1
4-Nitroaniline	9.2	U	9.2	1.4	ug/L		08/01/25 08:57	08/04/25 12:41	1
4-Nitroquinoline-1-oxide	46	U	46	4.6	ug/L		08/01/25 08:57	08/04/25 12:41	1
7,12-Dimethylbenz(a)anthracene	9.2	U	9.2	1.7	ug/L		08/01/25 08:57	08/04/25 12:41	1
Acetophenone	9.2	U	9.2	0.92	ug/L		08/01/25 08:57	08/04/25 12:41	1
Aniline	9.2	U	9.2	1.0	ug/L		08/01/25 08:57	08/04/25 12:41	1
Aramite, Total	9.2	U	9.2	3.4	ug/L		08/01/25 08:57	08/04/25 12:41	1
Benzyl alcohol	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
Bis(2-chloroethoxy)methane	0.92	U	0.92	0.46	ug/L		08/01/25 08:57	08/04/25 12:41	1
Bis(2-chloroethyl)ether	0.92	U	0.92	0.46	ug/L		08/01/25 08:57	08/04/25 12:41	1
Butyl benzyl phthalate	9.2	U	9.2	0.65	ug/L		08/01/25 08:57	08/04/25 12:41	1
Chlorobenzilate	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
Di-n-butyl phthalate	9.2	U	9.2	1.7	ug/L		08/01/25 08:57	08/04/25 12:41	1
Disulfoton	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
Ethyl Parathion	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
Famphur	9.2	U *+	9.2	4.6	ug/L		08/01/25 08:57	08/04/25 12:41	1
Hexachlorocyclopentadiene	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
Hexachloroethane	9.2	U	9.2	0.37	ug/L		08/01/25 08:57	08/04/25 12:41	1
Isophorone	9.2	U	9.2	0.46	ug/L		08/01/25 08:57	08/04/25 12:41	1
Isosafrole	4.6	U	4.6	1.5	ug/L		08/01/25 08:57	08/04/25 12:41	1
Methapyrilene	9.2	U *-	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
Methyl methanesulfonate	9.2	U	9.2	0.92	ug/L		08/01/25 08:57	08/04/25 12:41	1
Methyl parathion	9.2	U	9.2	3.0	ug/L		08/01/25 08:57	08/04/25 12:41	1
N-Nitrosodi-n-butylamine	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
N-Nitrosodi-n-propylamine	9.2	U	9.2	0.46	ug/L		08/01/25 08:57	08/04/25 12:41	1
N-Nitrosodiphenylamine	9.2	U	9.2	0.54	ug/L		08/01/25 08:57	08/04/25 12:41	1
N-Nitrosomethylethylamine	9.2	U	9.2	0.92	ug/L		08/01/25 08:57	08/04/25 12:41	1
N-Nitrosopyrrolidine	9.2	U	9.2	0.46	ug/L		08/01/25 08:57	08/04/25 12:41	1
p-Dimethylamino azobenzene	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
p-Phenylene diamine	140	U *-	140	24	ug/L		08/01/25 08:57	08/04/25 12:41	1
Pronamide	4.6	U	4.6	1.4	ug/L		08/01/25 08:57	08/04/25 12:41	1
Pyridine	9.2	U	9.2	1.8	ug/L		08/01/25 08:57	08/04/25 12:41	1
2-Toluidine	9.2	U	9.2	3.7	ug/L		08/01/25 08:57	08/04/25 12:41	1
4-Nitrophenol	9.2	U	9.2	2.8	ug/L		08/01/25 08:57	08/04/25 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*92*		*43 - 136*	*08/01/25 08:57*	*08/04/25 12:41*	*1*
Phenol-d5 (Surr)	*59*		*10 - 120*	*08/01/25 08:57*	*08/04/25 12:41*	*1*
Nitrobenzene-d5 (Surr)	*77*		*40 - 120*	*08/01/25 08:57*	*08/04/25 12:41*	*1*
2-Fluorophenol (Surr)	*88*		*10 - 127*	*08/01/25 08:57*	*08/04/25 12:41*	*1*

Client Sample ID: 16WC1B
Lab Sample ID: 240-229857-6

Date Collected: 07/30/25 09:45
Matrix: Water
Date Received: 07/31/25 10:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		41 - 120	08/01/25 08:57	08/04/25 12:41	1
2,4,6-Tribromophenol (Surr)	79		23 - 127	08/01/25 08:57	08/04/25 12:41	1

Default Detection Limits

Client: TRC, Engineers, Inc.
Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	RL	MDL
Acetone	10 ug/L	5.4 ug/L
Acrolein	10 ug/L	2.1 ug/L
trans-1,4-Dichloro-2-butene	10 ug/L	1.5 ug/L

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Prep: 3510C LVI

Analyte	RL	MDL
1,3,5-Trinitrobenzene	10 ug/L	3.0 ug/L
1,4-Naphthoquinone	10 ug/L	3.0 ug/L
1-Naphthylamine	10 ug/L	3.0 ug/L
2,3,4,6-Tetrachlorophenol	10 ug/L	1.8 ug/L
2,4,5-Trichlorophenol	10 ug/L	2.0 ug/L
2,4,6-Trichlorophenol	10 ug/L	1.8 ug/L
2,4-Dichlorophenol	10 ug/L	1.6 ug/L
2,4-Dimethylphenol	10 ug/L	3.0 ug/L
2,4-Dinitrophenol	10 ug/L	6.2 ug/L
2,6-Dichlorophenol	10 ug/L	1.4 ug/L
2-Acetylaminofluorene	10 ug/L	3.0 ug/L
2-Chlorophenol	10 ug/L	1.0 ug/L
2-Methylphenol	10 ug/L	0.96 ug/L
2-Naphthylamine	10 ug/L	7.0 ug/L
2-Nitrophenol	10 ug/L	1.3 ug/L
2-Picoline	10 ug/L	1.0 ug/L
2-Toluidine	10 ug/L	4.0 ug/L
3 & 4 Methylphenol	20 ug/L	2.5 ug/L
3,3'-Dichlorobenzidine	10 ug/L	3.0 ug/L
3,3'-Dimethylbenzidine	10 ug/L	3.3 ug/L
3-Methylcholanthrene	10 ug/L	1.0 ug/L
3-Nitroaniline	10 ug/L	2.0 ug/L
4,6-Dinitro-2-methylphenol	10 ug/L	3.0 ug/L
4-Aminobiphenyl	10 ug/L	3.0 ug/L
4-Chloro-3-methylphenol	10 ug/L	1.0 ug/L
4-Chloroaniline	10 ug/L	3.3 ug/L
4-Nitroaniline	10 ug/L	1.5 ug/L
4-Nitrophenol	10 ug/L	3.0 ug/L
4-Nitroquinoline-1-oxide	50 ug/L	5.0 ug/L
7,12-Dimethylbenz(a)anthracene	10 ug/L	1.8 ug/L
Acetophenone	10 ug/L	1.0 ug/L
Aniline	10 ug/L	1.1 ug/L
Aramite, Total	10 ug/L	3.7 ug/L
Benzyl alcohol	10 ug/L	3.0 ug/L
Bis(2-chloroethoxy)methane	1.0 ug/L	0.50 ug/L
Bis(2-chloroethyl)ether	1.0 ug/L	0.50 ug/L
Butyl benzyl phthalate	10 ug/L	0.70 ug/L
Chlorobenzilate	10 ug/L	3.0 ug/L
Di-n-butyl phthalate	10 ug/L	1.8 ug/L
Disulfoton	10 ug/L	3.0 ug/L
Ethyl Parathion	10 ug/L	3.0 ug/L
Famphur	10 ug/L	5.0 ug/L
Hexachlorocyclopentadiene	10 ug/L	3.0 ug/L
Hexachloroethane	10 ug/L	0.40 ug/L
Isophorone	10 ug/L	0.50 ug/L

Default Detection Limits

Client: TRC, Engineers, Inc.
Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Prep: 3510C LVI

Analyte	RL	MDL
Isosafrole	5.0 ug/L	1.6 ug/L
Methapyrilene	10 ug/L	3.0 ug/L
Methyl methanesulfonate	10 ug/L	1.0 ug/L
Methyl parathion	10 ug/L	3.2 ug/L
N-Nitrosodi-n-butylamine	10 ug/L	3.0 ug/L
N-Nitrosodi-n-propylamine	10 ug/L	0.50 ug/L
N-Nitrosodiphenylamine	10 ug/L	0.58 ug/L
N-Nitrosomethylethylamine	10 ug/L	1.0 ug/L
N-Nitrosopyrrolidine	10 ug/L	0.50 ug/L
p-Dimethylamino azobenzene	10 ug/L	3.0 ug/L
Phenol	10 ug/L	0.77 ug/L
p-Phenylene diamine	150 ug/L	26 ug/L
Pronamide	5.0 ug/L	1.5 ug/L
Pyridine	10 ug/L	2.0 ug/L

Surrogate Summary

Client: TRC, Engineers, Inc.
Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	DCA
Lab Sample ID	Client Sample ID	(78-122)	(73-120)	(56-136)	(62-137)
240-229857-1	16C1	98	96	101	101
240-229857-2	16MW8	100	96	104	102
240-229857-3	16MW9	99	93	104	100
240-229857-4	16WC1A	94	107	88	110
240-229857-4 MS	16WC1A	96	99	97	99
240-229857-4 MSD	16WC1A	93	95	94	95
240-229857-5	16WDUP	92	104	87	106
240-229857-6	16WC1B	95	107	87	111
LCS 240-666167/3	Lab Control Sample	103	93	105	95
LCS 240-666364/5	Lab Control Sample	103	99	103	99
MB 240-666167/7	Method Blank	102	98	106	103
MB 240-666364/9	Method Blank	94	101	86	104

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TPHL	PHL	NBZ	2FP	FBP	TBP
Lab Sample ID	Client Sample ID	(43-136)	(10-120)	(40-120)	(10-127)	(41-120)	(23-127)
240-229857-1	16C1	99	61	82	91	83	71
240-229857-2	16MW8	94	69	76	101	79	80
240-229857-3	16MW9	96	57	80	89	81	79
240-229857-4	16WC1A	93	64	77	88	79	74
240-229857-4 MS	16WC1A	87	70	80	102	81	88
240-229857-4 MSD	16WC1A	89	78	83	123	80	84
240-229857-5	16WDUP	95	77	82	111	85	82
240-229857-6	16WC1B	92	59	77	88	80	79
LCS 240-666059/2-A	Lab Control Sample	93	62	92	102	89	94
LCS 240-666059/3-A	Lab Control Sample	92	27	79	59	79	88
MB 240-666059/1-A	Method Blank	99	61	79	72	84	80

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-666167/7
Matrix: Water
Analysis Batch: 666167

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10	U	10	2.1	ug/L			08/02/25 23:53	1
trans-1,4-Dichloro-2-butene	10	U	10	1.5	ug/L			08/02/25 23:53	1
Acetone	10	U	10	5.4	ug/L			08/02/25 23:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*78 - 122*		*08/02/25 23:53*	*1*
Dibromofluoromethane (Surr)	*98*		*73 - 120*		*08/02/25 23:53*	*1*
4-Bromofluorobenzene (Surr)	*106*		*56 - 136*		*08/02/25 23:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*62 - 137*		*08/02/25 23:53*	*1*

Lab Sample ID: LCS 240-666167/3
Matrix: Water
Analysis Batch: 666167

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	125	127		ug/L		102	10 - 199
trans-1,4-Dichloro-2-butene	25.0	18.8		ug/L		75	14 - 173
Acetone	50.0	54.2		ug/L		108	50 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*78 - 122*
Dibromofluoromethane (Surr)	*93*		*73 - 120*
4-Bromofluorobenzene (Surr)	*105*		*56 - 136*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*

Lab Sample ID: MB 240-666364/9
Matrix: Water
Analysis Batch: 666364

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	10	U	10	2.1	ug/L			08/05/25 10:55	1
trans-1,4-Dichloro-2-butene	10	U	10	1.5	ug/L			08/05/25 10:55	1
Acetone	10	U	10	5.4	ug/L			08/05/25 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*78 - 122*		*08/05/25 10:55*	*1*
Dibromofluoromethane (Surr)	*101*		*73 - 120*		*08/05/25 10:55*	*1*
4-Bromofluorobenzene (Surr)	*86*		*56 - 136*		*08/05/25 10:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*62 - 137*		*08/05/25 10:55*	*1*

Lab Sample ID: LCS 240-666364/5
Matrix: Water
Analysis Batch: 666364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	125	128		ug/L		102	10 - 199
trans-1,4-Dichloro-2-butene	25.0	25.2		ug/L		101	14 - 173
Acetone	50.0	51.9		ug/L		104	50 - 149

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*103*		*78 - 122*
Dibromofluoromethane (Surr)	*99*		*73 - 120*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*

Lab Sample ID: 240-229857-4 MS
Matrix: Water
Analysis Batch: 666364

Client Sample ID: 16WC1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acrolein	10	U	125	128		ug/L		103	10 - 190
trans-1,4-Dichloro-2-butene	10	U	25.0	19.8		ug/L		79	10 - 149
Acetone	10	U	50.0	47.6		ug/L		95	33 - 149

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*96*		*78 - 122*
Dibromofluoromethane (Surr)	*99*		*73 - 120*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*

Lab Sample ID: 240-229857-4 MSD
Matrix: Water
Analysis Batch: 666364

Client Sample ID: 16WC1A
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acrolein	10	U	125	135		ug/L		108	10 - 190	5	35
trans-1,4-Dichloro-2-butene	10	U	25.0	20.5		ug/L		82	10 - 149	3	26
Acetone	10	U	50.0	47.9		ug/L		96	33 - 149	1	34

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	*93*		*78 - 122*
Dibromofluoromethane (Surr)	*95*		*73 - 120*
4-Bromofluorobenzene (Surr)	*94*		*56 - 136*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-666059/1-A
Matrix: Water
Analysis Batch: 666181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trinitrobenzene	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
1,4-Naphthoquinone	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
1-Naphthylamine	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
2,4-Dimethylphenol	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
2,4-Dinitrophenol	10	U	10	6.2	ug/L		08/01/25 08:55	08/04/25 10:06	1
2-Acetylaminofluorene	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
2-Naphthylamine	10	U	10	7.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
2-Picoline	10	U	10	1.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
3,3'-Dichlorobenzidine	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-666059/1-A
Matrix: Water
Analysis Batch: 666181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dimethylbenzidine	10	U	10	3.3	ug/L		08/01/25 08:55	08/04/25 10:06	1
3-Methylcholanthrene	10	U	10	1.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
3-Nitroaniline	10	U	10	2.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
4,6-Dinitro-2-methylphenol	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
4-Aminobiphenyl	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
4-Chloroaniline	10	U	10	3.3	ug/L		08/01/25 08:55	08/04/25 10:06	1
4-Nitroaniline	10	U	10	1.5	ug/L		08/01/25 08:55	08/04/25 10:06	1
4-Nitroquinoline-1-oxide	50	U	50	5.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
7,12-Dimethylbenz(a)anthracene	10	U	10	1.8	ug/L		08/01/25 08:55	08/04/25 10:06	1
Acetophenone	10	U	10	1.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Aniline	10	U	10	1.1	ug/L		08/01/25 08:55	08/04/25 10:06	1
Aramite, Total	10	U	10	3.7	ug/L		08/01/25 08:55	08/04/25 10:06	1
Benzyl alcohol	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Bis(2-chloroethoxy)methane	1.0	U	1.0	0.50	ug/L		08/01/25 08:55	08/04/25 10:06	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.50	ug/L		08/01/25 08:55	08/04/25 10:06	1
Butyl benzyl phthalate	10	U	10	0.70	ug/L		08/01/25 08:55	08/04/25 10:06	1
Chlorobenzilate	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Di-n-butyl phthalate	10	U	10	1.8	ug/L		08/01/25 08:55	08/04/25 10:06	1
Disulfoton	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Ethyl Parathion	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Famphur	10	U	10	5.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Hexachlorocyclopentadiene	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Hexachloroethane	10	U	10	0.40	ug/L		08/01/25 08:55	08/04/25 10:06	1
Isophorone	10	U	10	0.50	ug/L		08/01/25 08:55	08/04/25 10:06	1
Isosafrole	5.0	U	5.0	1.6	ug/L		08/01/25 08:55	08/04/25 10:06	1
Methapyrilene	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Methyl methanesulfonate	10	U	10	1.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Methyl parathion	10	U	10	3.2	ug/L		08/01/25 08:55	08/04/25 10:06	1
N-Nitrosodi-n-butylamine	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
N-Nitrosodi-n-propylamine	10	U	10	0.50	ug/L		08/01/25 08:55	08/04/25 10:06	1
N-Nitrosodiphenylamine	10	U	10	0.58	ug/L		08/01/25 08:55	08/04/25 10:06	1
N-Nitrosomethylethylamine	10	U	10	1.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
N-Nitrosopyrrolidine	10	U	10	0.50	ug/L		08/01/25 08:55	08/04/25 10:06	1
p-Dimethylamino azobenzene	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
p-Phenylene diamine	150	U	150	26	ug/L		08/01/25 08:55	08/04/25 10:06	1
Pronamide	5.0	U	5.0	1.5	ug/L		08/01/25 08:55	08/04/25 10:06	1
Pyridine	10	U	10	2.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
2-Toluidine	10	U	10	4.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
4-Nitrophenol	10	U	10	3.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
2,4,5-Trichlorophenol	10	U	10	2.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
2,4-Dichlorophenol	10	U	10	1.6	ug/L		08/01/25 08:55	08/04/25 10:06	1
4-Chloro-3-methylphenol	10	U	10	1.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
2-Nitrophenol	10	U	10	1.3	ug/L		08/01/25 08:55	08/04/25 10:06	1
2,4,6-Trichlorophenol	10	U	10	1.8	ug/L		08/01/25 08:55	08/04/25 10:06	1
2-Methylphenol	10	U	10	0.96	ug/L		08/01/25 08:55	08/04/25 10:06	1
2,6-Dichlorophenol	10	U	10	1.4	ug/L		08/01/25 08:55	08/04/25 10:06	1
2-Chlorophenol	10	U	10	1.0	ug/L		08/01/25 08:55	08/04/25 10:06	1
Phenol	10	U	10	0.77	ug/L		08/01/25 08:55	08/04/25 10:06	1
2,3,4,6-Tetrachlorophenol	10	U	10	1.8	ug/L		08/01/25 08:55	08/04/25 10:06	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-666059/1-A
Matrix: Water
Analysis Batch: 666181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	20	U	20	2.5	ug/L		08/01/25 08:55	08/04/25 10:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*99*		*43 - 136*	*08/01/25 08:55*	*08/04/25 10:06*	*1*
Phenol-d5 (Surr)	*61*		*10 - 120*	*08/01/25 08:55*	*08/04/25 10:06*	*1*
Nitrobenzene-d5 (Surr)	*79*		*40 - 120*	*08/01/25 08:55*	*08/04/25 10:06*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 127*	*08/01/25 08:55*	*08/04/25 10:06*	*1*
2-Fluorobiphenyl (Surr)	*84*		*41 - 120*	*08/01/25 08:55*	*08/04/25 10:06*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*23 - 127*	*08/01/25 08:55*	*08/04/25 10:06*	*1*

Lab Sample ID: LCS 240-666059/2-A
Matrix: Water
Analysis Batch: 666181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	32.0	27.4		ug/L		86	33 - 120
2,4-Dinitrophenol	64.0	48.9		ug/L		76	27 - 126
3,3'-Dichlorobenzidine	64.0	60.1		ug/L		94	39 - 150
3-Nitroaniline	32.0	23.7		ug/L		74	13 - 156
4,6-Dinitro-2-methylphenol	64.0	57.2		ug/L		89	45 - 130
4-Chloroaniline	32.0	22.3		ug/L		70	10 - 120
4-Nitroaniline	32.0	30.1		ug/L		94	44 - 156
Acetophenone	32.0	28.7		ug/L		90	52 - 120
Aniline	32.0	13.5		ug/L		42	27 - 120
Benzyl alcohol	32.0	23.2		ug/L		72	19 - 120
Bis(2-chloroethoxy)methane	32.0	27.2		ug/L		85	50 - 121
Bis(2-chloroethyl)ether	32.0	26.0		ug/L		81	47 - 120
Butyl benzyl phthalate	32.0	29.1		ug/L		91	48 - 140
Di-n-butyl phthalate	32.0	31.0		ug/L		97	56 - 138
Hexachlorocyclopentadiene	32.0	22.7		ug/L		71	10 - 120
Hexachloroethane	32.0	25.4		ug/L		79	39 - 120
Isophorone	32.0	27.7		ug/L		87	50 - 127
N-Nitrosodi-n-propylamine	32.0	28.4		ug/L		89	49 - 128
N-Nitrosodiphenylamine	32.0	28.9		ug/L		90	53 - 127
Pyridine	64.0	13.6		ug/L		21	10 - 120
4-Nitrophenol	64.0	38.8		ug/L		61	14 - 120
2,4,5-Trichlorophenol	32.0	30.0		ug/L		94	51 - 129
2,4-Dichlorophenol	32.0	31.0		ug/L		97	57 - 122
4-Chloro-3-methylphenol	32.0	27.7		ug/L		86	57 - 126
2-Nitrophenol	32.0	30.3		ug/L		95	53 - 127
2,4,6-Trichlorophenol	32.0	30.0		ug/L		94	51 - 128
2-Methylphenol	32.0	26.4		ug/L		83	47 - 120
2,6-Dichlorophenol	32.0	29.3		ug/L		91	56 - 120
2-Chlorophenol	32.0	30.9		ug/L		97	57 - 120
Phenol	32.0	19.8		ug/L		62	10 - 120
2,3,4,6-Tetrachlorophenol	32.0	29.7		ug/L		93	46 - 137
3 & 4 Methylphenol	32.0	25.3		ug/L		79	41 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-666059/2-A
Matrix: Water
Analysis Batch: 666181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666059

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	*93*		*43 - 136*
Phenol-d5 (Surr)	*62*		*10 - 120*
Nitrobenzene-d5 (Surr)	*92*		*40 - 120*
2-Fluorophenol (Surr)	*102*		*10 - 127*
2-Fluorobiphenyl (Surr)	*89*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*94*		*23 - 127*

Lab Sample ID: LCS 240-666059/3-A
Matrix: Water
Analysis Batch: 666181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trinitrobenzene	32.0	30.8		ug/L		96	44 - 137
1,4-Naphthoquinone	32.0	29.7		ug/L		93	10 - 133
1-Naphthylamine	32.0	10.7		ug/L		33	10 - 120
2-Acetylaminofluorene	32.0	30.9		ug/L		97	48 - 147
2-Naphthylamine	32.0	15.1		ug/L		47	10 - 120
2-Picoline	32.0	8.39	J *-	ug/L		26	34 - 120
3,3'-Dimethylbenzidine	32.0	11.0		ug/L		34	10 - 129
3-Methylcholanthrene	64.0	44.3		ug/L		69	10 - 156
4-Aminobiphenyl	32.0	17.9		ug/L		56	13 - 122
4-Nitroquinoline-1-oxide	32.0	17.2	J	ug/L		54	16 - 130
7,12-Dimethylbenz(a)anthracene	32.0	29.1		ug/L		91	42 - 120
Aramite, Total	32.0	30.1		ug/L		94	30 - 156
Chlorobenzilate	32.0	31.4		ug/L		98	25 - 147
Disulfoton	32.0	27.5		ug/L		86	38 - 127
Ethyl Parathion	32.0	28.6		ug/L		89	46 - 136
Famphur	32.0	64.9	E *+	ug/L		203	10 - 199
Methapyrilene	64.0	3.37	J *-	ug/L		5	30 - 120
Methyl methanesulfonate	32.0	18.0		ug/L		56	10 - 120
Methyl parathion	32.0	30.1		ug/L		94	47 - 140
N-Nitrosodi-n-butylamine	32.0	28.9		ug/L		90	46 - 127
N-Nitrosomethylethylamine	32.0	25.5		ug/L		80	37 - 120
N-Nitrosopyrrolidine	32.0	24.9		ug/L		78	42 - 122
p-Dimethylamino azobenzene	32.0	26.1		ug/L		82	58 - 120
p-Phenylene diamine	32.0	150	U *-	ug/L		0	10 - 120
2-Toluidine	32.0	23.8		ug/L		74	10 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	*92*		*43 - 136*
Phenol-d5 (Surr)	*27*		*10 - 120*
Nitrobenzene-d5 (Surr)	*79*		*40 - 120*
2-Fluorophenol (Surr)	*59*		*10 - 127*
2-Fluorobiphenyl (Surr)	*79*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*88*		*23 - 127*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-229857-4 MS
Matrix: Water
Analysis Batch: 666181

Client Sample ID: 16WC1A
Prep Type: Total/NA
Prep Batch: 666059

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dimethylphenol	9.5	U	29.4	18.2		ug/L		62	21 - 120
2,4-Dinitrophenol	9.5	U	58.8	42.3		ug/L		72	10 - 140
3,3'-Dichlorobenzidine	9.5	U	58.8	56.5		ug/L		96	10 - 153
3-Nitroaniline	9.5	U	29.4	17.2		ug/L		59	18 - 155
4,6-Dinitro-2-methylphenol	9.5	U	58.8	49.2		ug/L		84	29 - 131
4-Chloroaniline	9.5	U	29.4	17.1		ug/L		58	10 - 120
4-Nitroaniline	9.5	U	29.4	25.4		ug/L		86	30 - 166
Acetophenone	9.5	U	29.4	24.3		ug/L		83	39 - 126
Aniline	9.5	U	29.4	16.0		ug/L		54	28 - 120
Benzyl alcohol	9.5	U	29.4	21.3		ug/L		73	24 - 120
Bis(2-chloroethoxy)methane	0.95	U	29.4	22.5		ug/L		77	52 - 120
Bis(2-chloroethyl)ether	0.95	U	29.4	22.1		ug/L		75	43 - 120
Butyl benzyl phthalate	9.5	U	29.4	25.6		ug/L		87	44 - 139
Di-n-butyl phthalate	9.5	U	29.4	27.9		ug/L		95	50 - 129
Hexachlorocyclopentadiene	9.5	U	29.4	20.1		ug/L		69	10 - 120
Hexachloroethane	9.5	U	29.4	21.0		ug/L		71	10 - 120
Isophorone	9.5	U	29.4	24.0		ug/L		82	52 - 120
N-Nitrosodi-n-propylamine	9.5	U	29.4	24.3		ug/L		83	48 - 120
N-Nitrosodiphenylamine	9.5	U	29.4	24.9		ug/L		85	50 - 120
Pyridine	9.5	U F2	58.8	24.0		ug/L		41	14 - 120
4-Nitrophenol	9.5	U	58.8	43.4		ug/L		74	10 - 123
2,4,5-Trichlorophenol	9.5	U	29.4	25.9		ug/L		88	49 - 120
2,4-Dichlorophenol	9.5	U	29.4	26.3		ug/L		90	54 - 120
4-Chloro-3-methylphenol	9.5	U	29.4	25.1		ug/L		85	53 - 123
2-Nitrophenol	9.5	U	29.4	24.9		ug/L		85	51 - 120
2,4,6-Trichlorophenol	9.5	U	29.4	26.1		ug/L		89	49 - 120
2-Methylphenol	9.5	U	29.4	22.7		ug/L		77	31 - 131
2,6-Dichlorophenol	9.5	U	29.4	24.7		ug/L		84	50 - 120
2-Chlorophenol	9.5	U	29.4	25.8		ug/L		88	48 - 124
Phenol	9.5	U	29.4	20.0		ug/L		68	10 - 134
2,3,4,6-Tetrachlorophenol	9.5	U	29.4	25.7		ug/L		88	57 - 120
3 & 4 Methylphenol	19	U	29.4	22.8		ug/L		77	23 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*87*		*43 - 136*
Phenol-d5 (Surr)	*70*		*10 - 120*
Nitrobenzene-d5 (Surr)	*80*		*40 - 120*
2-Fluorophenol (Surr)	*102*		*10 - 127*
2-Fluorobiphenyl (Surr)	*81*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*88*		*23 - 127*

Lab Sample ID: 240-229857-4 MSD
Matrix: Water
Analysis Batch: 666181

Client Sample ID: 16WC1A
Prep Type: Total/NA
Prep Batch: 666059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	9.5	U	29.6	19.6		ug/L		66	21 - 120	7	35
2,4-Dinitrophenol	9.5	U	59.1	46.3		ug/L		78	10 - 140	9	35

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-229857-4 MSD
Client Sample ID: 16WC1A
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 666181
Prep Batch: 666059

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3,3'-Dichlorobenzidine	9.5	U	59.1	57.8		ug/L		98	10 - 153	2	35
3-Nitroaniline	9.5	U	29.6	15.6		ug/L		53	18 - 155	10	35
4,6-Dinitro-2-methylphenol	9.5	U	59.1	53.0		ug/L		90	29 - 131	7	35
4-Chloroaniline	9.5	U	29.6	17.3		ug/L		59	10 - 120	1	35
4-Nitroaniline	9.5	U	29.6	23.9		ug/L		81	30 - 166	6	35
Acetophenone	9.5	U	29.6	28.3		ug/L		96	39 - 126	15	34
Aniline	9.5	U	29.6	22.0		ug/L		75	28 - 120	32	35
Benzyl alcohol	9.5	U	29.6	25.5		ug/L		86	24 - 120	18	34
Bis(2-chloroethoxy)methane	0.95	U	29.6	23.4		ug/L		79	52 - 120	4	32
Bis(2-chloroethyl)ether	0.95	U	29.6	26.9		ug/L		91	43 - 120	20	35
Butyl benzyl phthalate	9.5	U	29.6	26.6		ug/L		90	44 - 139	4	32
Di-n-butyl phthalate	9.5	U	29.6	28.6		ug/L		97	50 - 129	2	33
Hexachlorocyclopentadiene	9.5	U	29.6	21.4		ug/L		72	10 - 120	6	35
Hexachloroethane	9.5	U	29.6	22.0		ug/L		74	10 - 120	5	35
Isophorone	9.5	U	29.6	24.9		ug/L		84	52 - 120	4	31
N-Nitrosodi-n-propylamine	9.5	U	29.6	28.2		ug/L		96	48 - 120	15	33
N-Nitrosodiphenylamine	9.5	U	29.6	25.7		ug/L		87	50 - 120	3	31
Pyridine	9.5	U F2	59.1	13.9	F2	ug/L		23	14 - 120	54	35
4-Nitrophenol	9.5	U	59.1	43.9		ug/L		74	10 - 123	1	35
2,4,5-Trichlorophenol	9.5	U	29.6	27.0		ug/L		91	49 - 120	4	32
2,4-Dichlorophenol	9.5	U	29.6	28.5		ug/L		96	54 - 120	8	31
4-Chloro-3-methylphenol	9.5	U	29.6	26.0		ug/L		88	53 - 123	4	31
2-Nitrophenol	9.5	U	29.6	27.6		ug/L		93	51 - 120	10	32
2,4,6-Trichlorophenol	9.5	U	29.6	26.7		ug/L		90	49 - 120	2	31
2-Methylphenol	9.5	U	29.6	27.7		ug/L		94	31 - 131	20	34
2,6-Dichlorophenol	9.5	U	29.6	26.0		ug/L		88	50 - 120	5	19
2-Chlorophenol	9.5	U	29.6	32.1		ug/L		109	48 - 124	22	35
Phenol	9.5	U	29.6	23.9		ug/L		81	10 - 134	18	35
2,3,4,6-Tetrachlorophenol	9.5	U	29.6	26.4		ug/L		89	57 - 120	3	18
3 & 4 Methylphenol	19	U	29.6	26.1		ug/L		88	23 - 127	14	34

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*89*		*43 - 136*
Phenol-d5 (Surr)	*78*		*10 - 120*
Nitrobenzene-d5 (Surr)	*83*		*40 - 120*
2-Fluorophenol (Surr)	*123*		*10 - 127*
2-Fluorobiphenyl (Surr)	*80*		*41 - 120*
2,4,6-Tribromophenol (Surr)	*84*		*23 - 127*

GC/MS VOA

Analysis Batch: 666167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-229857-1	16C1	Total/NA	Water	8260D	
240-229857-2	16MW8	Total/NA	Water	8260D	
240-229857-3	16MW9	Total/NA	Water	8260D	
MB 240-666167/7	Method Blank	Total/NA	Water	8260D	
LCS 240-666167/3	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 666364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-229857-4	16WC1A	Total/NA	Water	8260D	
240-229857-5	16WDUP	Total/NA	Water	8260D	
240-229857-6	16WC1B	Total/NA	Water	8260D	
MB 240-666364/9	Method Blank	Total/NA	Water	8260D	
LCS 240-666364/5	Lab Control Sample	Total/NA	Water	8260D	
240-229857-4 MS	16WC1A	Total/NA	Water	8260D	
240-229857-4 MSD	16WC1A	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 666059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-229857-1	16C1	Total/NA	Water	3510C LVI	
240-229857-2	16MW8	Total/NA	Water	3510C LVI	
240-229857-3	16MW9	Total/NA	Water	3510C LVI	
240-229857-4	16WC1A	Total/NA	Water	3510C LVI	
240-229857-5	16WDUP	Total/NA	Water	3510C LVI	
240-229857-6	16WC1B	Total/NA	Water	3510C LVI	
MB 240-666059/1-A	Method Blank	Total/NA	Water	3510C LVI	
LCS 240-666059/2-A	Lab Control Sample	Total/NA	Water	3510C LVI	
LCS 240-666059/3-A	Lab Control Sample	Total/NA	Water	3510C LVI	
240-229857-4 MS	16WC1A	Total/NA	Water	3510C LVI	
240-229857-4 MSD	16WC1A	Total/NA	Water	3510C LVI	

Analysis Batch: 666181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-229857-1	16C1	Total/NA	Water	8270E	666059
240-229857-2	16MW8	Total/NA	Water	8270E	666059
240-229857-3	16MW9	Total/NA	Water	8270E	666059
240-229857-4	16WC1A	Total/NA	Water	8270E	666059
240-229857-5	16WDUP	Total/NA	Water	8270E	666059
240-229857-6	16WC1B	Total/NA	Water	8270E	666059
MB 240-666059/1-A	Method Blank	Total/NA	Water	8270E	666059
LCS 240-666059/2-A	Lab Control Sample	Total/NA	Water	8270E	666059
LCS 240-666059/3-A	Lab Control Sample	Total/NA	Water	8270E	666059
240-229857-4 MS	16WC1A	Total/NA	Water	8270E	666059
240-229857-4 MSD	16WC1A	Total/NA	Water	8270E	666059

Client Sample ID: 16C1 — Lab Sample ID: 240-229857-1

Date Collected: 07/30/25 14:20 — **Matrix: Water**
Date Received: 07/31/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	666167	R5XG	EET CLE	08/03/25 06:32
Total/NA	Prep	3510C LVI			666059	L6TL	EET CLE	08/01/25 08:55
Total/NA	Analysis	8270E		1	666181	MRU	EET CLE	08/04/25 13:03

Client Sample ID: 16MW8 — Lab Sample ID: 240-229857-2

Date Collected: 07/29/25 11:20 — **Matrix: Water**
Date Received: 07/31/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	666167	R5XG	EET CLE	08/03/25 06:55
Total/NA	Prep	3510C LVI			666059	L6TL	EET CLE	08/01/25 08:55
Total/NA	Analysis	8270E		1	666181	MRU	EET CLE	08/04/25 13:25

Client Sample ID: 16MW9 — Lab Sample ID: 240-229857-3

Date Collected: 07/30/25 13:15 — **Matrix: Water**
Date Received: 07/31/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	666167	R5XG	EET CLE	08/03/25 07:19
Total/NA	Prep	3510C LVI			666059	L6TL	EET CLE	08/01/25 08:55
Total/NA	Analysis	8270E		1	666181	MRU	EET CLE	08/04/25 13:47

Client Sample ID: 16WC1A — Lab Sample ID: 240-229857-4

Date Collected: 07/30/25 11:05 — **Matrix: Water**
Date Received: 07/31/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	666364	R5XG	EET CLE	08/05/25 15:16
Total/NA	Prep	3510C LVI			666059	L6TL	EET CLE	08/01/25 08:55
Total/NA	Analysis	8270E		1	666181	MRU	EET CLE	08/04/25 14:09

Client Sample ID: 16WDUP — Lab Sample ID: 240-229857-5

Date Collected: 07/30/25 09:25 — **Matrix: Water**
Date Received: 07/31/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	666364	R5XG	EET CLE	08/05/25 15:39
Total/NA	Prep	3510C LVI			666059	L6TL	EET CLE	08/01/25 08:55
Total/NA	Analysis	8270E		1	666181	MRU	EET CLE	08/04/25 12:19

Client Sample ID: 16WC1B — Lab Sample ID: 240-229857-6

Date Collected: 07/30/25 09:45 — **Matrix: Water**
Date Received: 07/31/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	666364	R5XG	EET CLE	08/05/25 16:03

Lab Chronicle

Client: TRC, Engineers, Inc.
Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Client Sample ID: 16WC1B
Date Collected: 07/30/25 09:45
Date Received: 07/31/25 10:00

Lab Sample ID: 240-229857-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C LVI			666059	L6TL	EET CLE	08/01/25 08:57
Total/NA	Analysis	8270E		1	666181	MRU	EET CLE	08/04/25 12:41

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: TRC, Engineers, Inc.
Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Laboratory: Eurofins Cleveland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Virginia	NELAP	460175	09-14-25

Method Summary

Client: TRC, Engineers, Inc.
Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CLE
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: TRC, Engineers, Inc.
Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
240-229857-1	16C1	Water	07/30/25 14:20	07/31/25 10:00	Virginia
240-229857-2	16MW8	Water	07/29/25 11:20	07/31/25 10:00	Virginia
240-229857-3	16MW9	Water	07/30/25 13:15	07/31/25 10:00	Virginia
240-229857-4	16WC1A	Water	07/30/25 11:05	07/31/25 10:00	Virginia
240-229857-5	16WDUP	Water	07/30/25 09:25	07/31/25 10:00	Virginia
240-229857-6	16WC1B	Water	07/30/25 09:45	07/31/25 10:00	Virginia

Quantitation Limit Exceptions Summary

Client: TRC, Engineers, Inc. Job ID: 240-229857-1
Project/Site: RFAAP, Radford VA HWMU16

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260D	Acrolein	Water	Total/NA	ug/L	10	20
8270E	1,4-Naphthoquinone	Water	Total/NA	ug/L	10	50

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A3UX27 Analysis Batch Number: 664444

Lab Sample ID: IC 240-664444/4 Client Sample ID:

Date Analyzed: 07/18/25 15:22 Lab File ID: 250718-202.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	3.27	Baseline	R5XG	07/21/25 07:36

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A3UX27 Analysis Batch Number: 666364

Lab Sample ID: MB 240-666364/9 Client Sample ID:

Date Analyzed: 08/05/25 10:55 Lab File ID: 250805-007.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,4-Dichloro-2-butene		Invalid Compound ID	R5XG	08/05/25 11:19

Lab Sample ID: 240-229857-4 MS Client Sample ID: 16WC1A MS

Date Analyzed: 08/05/25 18:49 Lab File ID: 250805-027.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	4.48	Peak assignment corrected	X1KD	09/08/25 11:59

Lab Sample ID: 240-229857-4 MSD Client Sample ID: 16WC1A MSD

Date Analyzed: 08/05/25 19:13 Lab File ID: 250805-028.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	4.48	Peak assignment corrected	X1KD	09/08/25 12:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 661637

Lab Sample ID: STD9 240-661637/2 IC Client Sample ID:

Date Analyzed: 06/27/25 08:00 Lab File ID: 250627002.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.13	Poor chromatography	KDZ4	06/27/25 08:44
Caprolactam	7.71	Poor chromatography	KDZ4	06/27/25 08:44
Benzaldehyde		Invalid Compound ID	KDZ4	06/27/25 12:52

Lab Sample ID: STD8 240-661637/3 IC Client Sample ID:

Date Analyzed: 06/27/25 08:22 Lab File ID: 250627003.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.12	Poor chromatography	KDZ4	06/27/25 08:47

Lab Sample ID: STD2 240-661637/9 IC Client Sample ID:

Date Analyzed: 06/27/25 10:38 Lab File ID: 250627009.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid		Invalid Compound ID	KDZ4	06/27/25 10:59

Lab Sample ID: STD1 240-661637/10 IC Client Sample ID:

Date Analyzed: 06/27/25 11:00 Lab File ID: 250627010.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	14.32	Peak assignment corrected	KDZ4	06/27/25 12:49
Indeno[1,2,3-cd]pyrene	16.62	Poor chromatography	KDZ4	06/27/25 12:49
Dibenz(a,h)anthracene	16.63	Poor chromatography	KDZ4	06/27/25 12:49
Benzo[g,h,i]perylene	17.10	Poor chromatography	KDZ4	06/27/25 12:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 661637

Lab Sample ID: ICV 240-661637/11 Client Sample ID:

Date Analyzed: 06/27/25 11:23 Lab File ID: 250627011.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.09	Poor chromatography	KDZ4	06/27/25 13:10

Lab Sample ID: STD5 240-661637/12 IC Client Sample ID:

Date Analyzed: 06/27/25 11:46 Lab File ID: 250627012.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	7.21	Poor chromatography	KDZ4	06/27/25 14:42
p-Phenylene diamine	7.69	Poor chromatography	KDZ4	06/27/25 14:46
Safrole, Total	7.87	Peak assignment corrected	KDZ4	06/27/25 14:46
Isosafrole Peak 1	8.12	Peak assignment corrected	KDZ4	06/27/25 14:43
Diallate Peak 2	9.69	Peak assignment corrected	KDZ4	06/27/25 14:46
Aramite Peak 1	11.41	Peak assignment corrected	KDZ4	06/27/25 14:44
Aramite Peak 2	11.49	Peak assignment corrected	KDZ4	06/27/25 14:44

Lab Sample ID: STD4 240-661637/13 IC Client Sample ID:

Date Analyzed: 06/27/25 12:08 Lab File ID: 250627013.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	7.29	Poor chromatography	KDZ4	06/27/25 14:49
p-Phenylene diamine	7.70	Poor chromatography	KDZ4	06/27/25 14:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 661637

Lab Sample ID: STD3 240-661637/14 IC Client Sample ID:

Date Analyzed: 06/27/25 12:31 Lab File ID: 250627014.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	7.28	Poor chromatography	KDZ4	06/27/25 14:52
p-Phenylene diamine	7.73	Poor chromatography	KDZ4	06/27/25 14:52

Lab Sample ID: STD2 240-661637/15 IC Client Sample ID:

Date Analyzed: 06/27/25 12:53 Lab File ID: 250627015.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	7.28	Poor chromatography	KDZ4	06/27/25 14:53
p-Phenylene diamine	7.73	Poor chromatography	KDZ4	06/27/25 14:53
3,3'-Dimethylbenzidine		Peak assignment corrected	KDZ4	06/27/25 14:54
4,4'-Methylene bis(2-chloroaniline)		Invalid Compound ID	KDZ4	06/27/25 14:54
Methapyrilene	10.80	Poor chromatography	KDZ4	06/27/25 14:54
Dibenz[a,h]acridine	16.19	Poor chromatography	KDZ4	06/27/25 14:55

Lab Sample ID: STD7 240-661637/17 IC Client Sample ID:

Date Analyzed: 06/27/25 13:39 Lab File ID: 250627017.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Famphur		Invalid Compound ID	KDZ4	06/27/25 14:58

Lab Sample ID: STD8 240-661637/18 IC Client Sample ID:

Date Analyzed: 06/27/25 14:01 Lab File ID: 250627018.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Famphur		Invalid Compound ID	KDZ4	06/27/25 14:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 661637

Lab Sample ID: STD9 240-661637/19 IC Client Sample ID:

Date Analyzed: 06/27/25 14:24 Lab File ID: 250627019.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	7.21	Poor chromatography	KDZ4	06/27/25 14:59
Famphur		Invalid Compound ID	KDZ4	06/27/25 15:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 666181

Lab Sample ID: CCV 240-666181/2 CCVIS Client Sample ID:

Date Analyzed: 08/04/25 08:14 Lab File ID: 250804102.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzoic acid	7.13	Poor chromatography	KDZ4	08/04/25 08:35

Lab Sample ID: MB 240-666059/1-A Client Sample ID:

Date Analyzed: 08/04/25 10:06 Lab File ID: 250804008.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aramite Peak 1		Invalid Compound ID	KDZ4	08/04/25 10:50
Aramite Peak 2		Invalid Compound ID	KDZ4	08/04/25 10:50
N-Nitrosodi-n-butylamine		Invalid Compound ID	KDZ4	08/04/25 10:49

Lab Sample ID: LCS 240-666059/2-A Client Sample ID:

Date Analyzed: 08/04/25 10:28 Lab File ID: 250804009.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	6.09	Peak assignment corrected	KDZ4	08/04/25 10:53

Lab Sample ID: 240-229857-5 Client Sample ID: 16WDUP

Date Analyzed: 08/04/25 12:19 Lab File ID: 250804014.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aramite Peak 1		Invalid Compound ID	KDZ4	08/04/25 13:36
Aramite Peak 2		Invalid Compound ID	KDZ4	08/04/25 13:36
N-Nitrosodi-n-butylamine		Invalid Compound ID	KDZ4	08/04/25 13:35
N-Nitrosodiphenylamine		Invalid Compound ID	KDZ4	08/04/25 13:36
Phenol		Invalid Compound ID	D9AH	09/08/25 12:32

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 666181

Lab Sample ID: 240-229857-6 Client Sample ID: 16WC1B

Date Analyzed: 08/04/25 12:41 Lab File ID: 250804015.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetophenone		Invalid Compound ID	KDZ4	08/04/25 13:36
Aramite Peak 1		Invalid Compound ID	KDZ4	08/04/25 13:37
Aramite Peak 2		Invalid Compound ID	KDZ4	08/04/25 13:37
Benzyl alcohol		Invalid Compound ID	KDZ4	08/04/25 13:36
Di-n-butyl phthalate		Invalid Compound ID	KDZ4	08/04/25 13:36
Ethyl Parathion		Invalid Compound ID	KDZ4	08/04/25 13:36
Methyl parathion		Invalid Compound ID	KDZ4	08/04/25 13:36

Lab Sample ID: 240-229857-1 Client Sample ID: 16C1

Date Analyzed: 08/04/25 13:03 Lab File ID: 250804016.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aramite Peak 1		Invalid Compound ID	KDZ4	08/04/25 13:38
Aramite Peak 2		Invalid Compound ID	KDZ4	08/04/25 13:38
N-Nitrosodi-n-butylamine		Invalid Compound ID	KDZ4	08/04/25 13:37

Lab Sample ID: 240-229857-2 Client Sample ID: 16MW8

Date Analyzed: 08/04/25 13:25 Lab File ID: 250804017.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aramite Peak 1		Invalid Compound ID	KDZ4	08/04/25 13:45
Aramite Peak 2		Invalid Compound ID	KDZ4	08/04/25 13:45
Methyl parathion		Invalid Compound ID	KDZ4	08/04/25 13:45
N-Nitrosodi-n-butylamine		Invalid Compound ID	KDZ4	08/04/25 13:44

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 666181

Lab Sample ID: 240-229857-3 Client Sample ID: 16MW9

Date Analyzed: 08/04/25 13:47 Lab File ID: 250804018.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aramite Peak 1		Invalid Compound ID	D9AH	08/05/25 11:22
Aramite Peak 2		Invalid Compound ID	D9AH	08/05/25 11:22
Methyl parathion		Invalid Compound ID	D9AH	08/05/25 11:22
N-Nitrosodi-n-butylamine		Invalid Compound ID	D9AH	08/05/25 11:21
N-Nitrosodiphenylamine		Invalid Compound ID	D9AH	08/05/25 11:21

Lab Sample ID: 240-229857-4 Client Sample ID: 16WC1A

Date Analyzed: 08/04/25 14:09 Lab File ID: 250804019.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aramite Peak 1		Invalid Compound ID	D9AH	08/05/25 11:22
Aramite Peak 2		Invalid Compound ID	D9AH	08/05/25 11:22
N-Nitrosodiphenylamine		Invalid Compound ID	D9AH	08/05/25 11:22

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 666181

Lab Sample ID: 240-229857-4 MS Client Sample ID: 16WC1A MS

Date Analyzed: 08/04/25 14:31 Lab File ID: 250804020.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	6.01	Peak assignment corrected	D9AH	09/08/25 13:22
Bis(2-chloroethyl)ether	6.09	Peak assignment corrected	D9AH	08/05/25 11:23
2-Chlorophenol	6.16	Peak assignment corrected	D9AH	09/08/25 13:22
2-Methylphenol	6.52	Peak assignment corrected	D9AH	09/08/25 13:22
3 & 4 Methylphenol	6.63	Peak assignment corrected	D9AH	09/08/25 13:22
2-Nitrophenol	7.07	Peak assignment corrected	D9AH	09/08/25 13:22
2,4-Dichlorophenol	7.27	Peak assignment corrected	D9AH	09/08/25 13:22
2,6-Dichlorophenol	7.46	Peak assignment corrected	D9AH	09/08/25 13:22
4-Chloro-3-methylphenol	7.83	Peak assignment corrected	D9AH	09/08/25 13:22
2,4,6-Trichlorophenol	8.22	Peak assignment corrected	D9AH	09/08/25 13:22
2,4,5-Trichlorophenol	8.26	Peak assignment corrected	D9AH	09/08/25 13:22
2,3,4,6-Tetrachlorophenol	9.15	Peak assignment corrected	D9AH	09/08/25 13:22
2-Naphthylamine		Invalid Compound ID	D9AH	08/05/25 11:23
2-Toluidine		Invalid Compound ID	D9AH	08/05/25 11:23
4-Aminobiphenyl		Invalid Compound ID	D9AH	08/05/25 11:23
Aramite Peak 1		Invalid Compound ID	D9AH	08/05/25 11:23
Aramite Peak 2		Invalid Compound ID	D9AH	08/05/25 11:23
Disulfoton		Invalid Compound ID	D9AH	08/05/25 11:23
Ethyl Parathion		Invalid Compound ID	D9AH	08/05/25 11:23
Isosafrole Peak 1		Invalid Compound ID	D9AH	08/05/25 11:23
Isosafrole Peak 2		Invalid Compound ID	D9AH	08/05/25 11:23
Methyl parathion		Invalid Compound ID	D9AH	08/05/25 11:23
N-Nitrosodi-n-butylamine		Invalid Compound ID	D9AH	08/05/25 11:23
Pronamide		Invalid Compound ID	D9AH	08/05/25 11:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Analysis Batch Number: 666181

Lab Sample ID: 240-229857-4 MSD Client Sample ID: 16WC1A MSD

Date Analyzed: 08/04/25 14:53 Lab File ID: 250804021.D GC Column: RXI-5SILMS/I ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol	6.01	Peak assignment corrected	D9AH	09/08/25 13:24
2-Chlorophenol	6.16	Peak assignment corrected	D9AH	09/08/25 13:24
2-Methylphenol	6.52	Peak assignment corrected	D9AH	09/08/25 13:23
3 & 4 Methylphenol	6.63	Peak assignment corrected	D9AH	09/08/25 13:23
2-Nitrophenol	7.07	Peak assignment corrected	D9AH	09/08/25 13:23
2,4-Dichlorophenol	7.28	Peak assignment corrected	D9AH	09/08/25 13:23
2,6-Dichlorophenol	7.46	Peak assignment corrected	D9AH	09/08/25 13:23
4-Chloro-3-methylphenol	7.83	Peak assignment corrected	D9AH	09/08/25 13:23
2,4,6-Trichlorophenol	8.22	Peak assignment corrected	D9AH	09/08/25 13:23
2,4,5-Trichlorophenol	8.26	Peak assignment corrected	D9AH	09/08/25 13:23
2,3,4,6-Tetrachlorophenol	9.15	Peak assignment corrected	D9AH	09/08/25 13:23
2-Naphthylamine		Invalid Compound ID	D9AH	08/05/25 11:25
4-Aminobiphenyl		Invalid Compound ID	D9AH	08/05/25 11:25
Aramite Peak 1		Invalid Compound ID	D9AH	08/05/25 11:25
Aramite Peak 2		Invalid Compound ID	D9AH	08/05/25 11:25
Ethyl Parathion		Invalid Compound ID	D9AH	08/05/25 11:25
Isosafrole Peak 1		Invalid Compound ID	D9AH	08/05/25 11:25
Isosafrole Peak 2		Invalid Compound ID	D9AH	08/05/25 11:25
Methyl parathion		Invalid Compound ID	D9AH	08/05/25 11:25
N-Nitrosodi-n-butylamine		Invalid Compound ID	D9AH	08/05/25 11:25
Pronamide		Invalid Compound ID	D9AH	08/05/25 11:25

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
exBENZALDEHYD_00104	01/15/26	07/15/25	MEOH, Lot 24G262002	500 mL	exLIST1_S11_00028	10 mL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
.exLIST1_S11_00028	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
exBNASPIKE_00143	09/30/25	06/16/25	ACETONE, Lot 25A1862002	500 mL	exLIST1_S1_00037	10 mL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Methylphenol	10 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Diphenylamine	17.1 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
					EXLIST1_S10_00029	10 mL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					exLIST1_S9_00034	10 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
.exLIST1_S1_00037	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	500 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	500 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	855 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.EXLIST1_S10_00029	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.exLIST1_S9_00034	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
exBNASURR W_00130	01/15/26	07/15/25	MEOH, Lot 24G262002	2000 mL	exLIST1_SURR_00018	8 mL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.exLIST1_SURR_00018	08/31/29		Restek, Lot A0215854		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
EXLIST2spike_00045	12/16/25	06/16/25	MEOH, Lot 23I0762004	50 mL	exLIST2_S1_00018	1 mL	1,3,5-Trinitrobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Naphthylamine	20 ug/mL
							2-Acetylaminofluorene	20 ug/mL
							2-Naphthylamine	20 ug/mL
							2-Picoline	20 ug/mL
							2-Toluidine	20 ug/mL
							3,3'-Dimethylbenzidine	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Aminobiphenyl	20 ug/mL
							4-Nitroquinoline-1-oxide	20 ug/mL
							Acrylamide	20 ug/mL
							alpha,alpha-Dimethyl phenethylamine	20 ug/mL
							Dibenz[a,h]acridine	20 ug/mL
							N-Nitro-o-toluidine	20 ug/mL
							N-Nitrosodi-n-butylamine	20 ug/mL
							N-Nitrosodiethylamine	20 ug/mL
							N-Nitrosomethylethylamine	20 ug/mL
							N-Nitrosomorpholine	20 ug/mL
							N-Nitrosopiperidine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
							p-Dimethylamino azobenzene	20 ug/mL
							p-Phenylene diamine	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenacetin	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
					exLIST2_S2_00020	1 mL	1,4-Naphthoquinone	20 ug/mL
							1-Chloronaphthalene	20 ug/mL
							2,3,5,6-Tetrachlorophenol	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Dinoseb	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Hexachloropropene	20 ug/mL
							Isodrin	20 ug/mL
							Isosafrole	20 ug/mL
							Isosafrole Peak 1	3.2 ug/mL
							Isosafrole Peak 2	16.8 ug/mL
							Methyl methanesulfonate	20 ug/mL
							Pentachlorobenzene	20 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloroethane	20 ug/mL
					exLIST2_S3_00021	1 mL	3-Methylcholanthrene	40 ug/mL
							6-Methylchrysene	40 ug/mL
					exLIST2_S4_00012	1 mL	Aramite Peak 1	9.2 ug/mL
							Aramite Peak 2	9.8 ug/mL
							Aramite, Total	20 ug/mL
							Diallate	20 ug/mL
							Diallate Peak 1	17 ug/mL
							Diallate Peak 2	3 ug/mL
							Dimethoate	20 ug/mL
							Disulfoton	20 ug/mL
							Ethyl Parathion	20 ug/mL
							Famphur	20 ug/mL
							Methyl parathion	20 ug/mL
							o,o',o''-Triethylphosphorothioate	20 ug/mL
							Phorate	20 ug/mL
							Safrole, Total	20 ug/mL
							Sulfotepp	20 ug/mL
							Thionazin	20 ug/mL
					exLIST2_S5_00017	1 mL	Methapyrilene	40 ug/mL
.exLIST2_S1_00018	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							Acrylamide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
.exLIST2_S2_00020	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,3,5,6-Tetrachlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
.exLIST2_S3_00021	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
.exLIST2_S4_00012	02/28/27		Restek, Lot A0222255		(Purchased Reagent)		Aramite Peak 1	460 ug/mL
							Aramite Peak 2	490 ug/mL
							Aramite, Total	1000 ug/mL
							Diallate	1000 ug/mL
							Diallate Peak 1	850 ug/mL
							Diallate Peak 2	150 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
.exLIST2_S5_00017	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMDFTPPW_00030							4,4'-DDD	
							4,4'-DDE	
							Aramite, Total	
							Creosote	
							Diallate	
							Isosafrole	
							Methyl Phenols,Total	
							Tentatively Identified Compound	
					SMDFTPPR_00022	1 mL	4,4'-DDT	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	25 ug/mL
							DFTPP	25 ug/mL
							Pentachlorophenol	25 ug/mL
.SMDFTPPR_00022	07/31/26		Restek, Lot A0200028		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol	1000 ug/mL
SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
.SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMLIST1 L1+ W_00019	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1PAH+ST_00021	2 uL	1,1'-Biphenyl	0.1 ug/mL
							1-Methylnaphthalene	0.1 ug/mL
							2-Chloronaphthalene	0.1 ug/mL
							2-Methylnaphthalene	0.1 ug/mL
							Acenaphthene	0.1 ug/mL
							Acenaphthylene	0.1 ug/mL
							Anthracene	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[g,h,i]perylene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Chrysene	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Dibenzofuran	0.1 ug/mL
							Fluoranthene	0.1 ug/mL
							Fluorene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Phenanthrene	0.1 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	0.1 ug/mL
							Pyridine	0.2 ug/mL
							Atrazine	0.2 ug/mL
							Benzaldehyde	0.2 ug/mL
							Caprolactam	0.2 ug/mL
							2,4,6-Tribromophenol (Surr)	0.1 ug/mL
							2-Fluorobiphenyl (Surr)	0.1 ug/mL
							2-Fluorophenol (Surr)	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29	Restek, Lot A0218138			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1PAH+ST_00021	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 PAH_00017	1 mL	1,1'-Biphenyl	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 PAH_00017	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L2 W_00025	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00025	10 uL	1,1'-Biphenyl	0.5 ug/mL
							1,2,4,5-Tetrachlorobenzene	0.5 ug/mL
							1,2,4-Trichlorobenzene	0.5 ug/mL
							1,2-Dichlorobenzene	0.5 ug/mL
							1,3-Dichlorobenzene	0.5 ug/mL
							1,3-Dinitrobenzene	0.5 ug/mL
							1,4-Dichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							1-Methylnaphthalene	0.5 ug/mL
							2,2'-oxybis[1-chloropropane]	0.5 ug/mL
							2,3,4,6-Tetrachlorophenol	0.5 ug/mL
							2,4,5-Trichlorophenol	0.5 ug/mL
							2,4,6-Trichlorophenol	0.5 ug/mL
							2,4-Dichlorophenol	0.5 ug/mL
							2,4-Dimethylphenol	0.5 ug/mL
							2,4-Dinitrophenol	1 ug/mL
							2,4-Dinitrotoluene	0.5 ug/mL
							2,6-Dichlorophenol	0.5 ug/mL
							2,6-Dinitrotoluene	0.5 ug/mL
							2-Chloronaphthalene	0.5 ug/mL
							2-Chlorophenol	0.5 ug/mL
							2-Methylnaphthalene	0.5 ug/mL
							2-Methylphenol	0.5 ug/mL
							2-Nitroaniline	0.5 ug/mL
							2-Nitrophenol	0.5 ug/mL
							3 & 4 Methylphenol	0.5 ug/mL
							3-Nitroaniline	0.5 ug/mL
							4,6-Dinitro-2-methylphenol	1 ug/mL
							4-Bromophenyl phenyl ether	0.5 ug/mL
							4-Chloro-3-methylphenol	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							4-Chlorophenyl phenyl ether	0.5 ug/mL
							4-Nitroaniline	0.5 ug/mL
							4-Nitrophenol	1 ug/mL
							Acenaphthene	0.5 ug/mL
							Acenaphthylene	0.5 ug/mL
							Acetophenone	0.5 ug/mL
							Aniline	0.5 ug/mL
							Anthracene	0.5 ug/mL
							Azobenzene	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Benzyl alcohol	0.5 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Bis(2-ethylhexyl) phthalate	0.5 ug/mL
							Butyl benzyl phthalate	0.5 ug/mL
							Carbazole	0.5 ug/mL
							Chrysene	0.5 ug/mL
							Di-n-butyl phthalate	0.5 ug/mL
							Di-n-octyl phthalate	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Dibenzofuran	0.5 ug/mL
							Diethyl phthalate	0.5 ug/mL
							Dimethyl phthalate	0.5 ug/mL
							Diphenylamine	0.425 ug/mL
							Fluoranthene	0.5 ug/mL
							Fluorene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachlorocyclopentadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							Isophorone	0.5 ug/mL
							n-Decane	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							N-Nitrosodimethylamine	0.5 ug/mL
							N-Nitrosodiphenylamine	0.5 ug/mL
							n-Octadecane	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pentachlorophenol	1 ug/mL
							Phenanthrene	0.5 ug/mL
							Phenol	0.5 ug/mL
							Pyrene	0.5 ug/mL
							Pyridine	1 ug/mL
							Benzoic acid	1 ug/mL
							Indene	1 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							2,4,6-Tribromophenol (Surr)	0.5 ug/mL
							2-Fluorobiphenyl (Surr)	0.5 ug/mL
							2-Fluorophenol (Surr)	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00025	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00018	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					SMLIST1 S10_00012	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	200 ug/mL
					SMLIST1 S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00018	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S10_00012	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L3 W_00025	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00025	20 uL	1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,3-Dinitrobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Diphenylamine	0.85 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	2 ug/mL
							Benzoic acid	2 ug/mL
							Indene	2 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl (Surr)	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29	Restek, Lot A0218138			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00025	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00018	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					SMLIST1 S10_00012	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00018	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S10_00012	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L4 W_00025	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00025	40 uL	1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,3-Dinitrobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Diphenylamine	1.7 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	4 ug/mL
							Benzoic acid	4 ug/mL
							Indene	4 ug/mL
							Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl (Surr)	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00025	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00018	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					SMLIST1 S10_00012	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00018	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S10_00012	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L5 W_00025	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00025	100 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,3-Dinitrobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	5 ug/mL
							Diphenylamine	4.25 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	10 ug/mL
							Benzoic acid	10 ug/mL
							Indene	10 ug/mL
							Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl (Surr)	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29	Restek, Lot A0218138			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SMLIST1 STOCK_00025	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00018	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					SMLIST1 S10_00012	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00018	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S10_00012	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L6 W_00025	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00025	200 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Diphenylamine	8.5 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
							Benzoic acid	20 ug/mL
							Indene	20 ug/mL
							Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00025	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00018	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					SMLIST1 S10_00012	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00018	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S10_00012	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S9_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L6 W_00026	12/30/25	06/30/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMLIST1 L6 W_00026	12/30/25	06/30/25	MECL2, Lot 7209492	2 mL	SMLIST1 STOCK_00026	200 uL	2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Phenol	10 ug/mL
							Pyridine	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMLIST1 STOCK_00026	12/30/25	06/30/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00019	1 mL	2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Phenol	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	200 ug/mL
					SMLIST1 S9_00014	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00019	02/28/26		Restek, Lot A0224609		(Purchased Reagent)		2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Phenol	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S9_00014	10/31/26		Restek, Lot A0224695		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L7 W_00025	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00025	300 uL	1,1'-Biphenyl	15 ug/mL
							1,2,4,5-Tetrachlorobenzene	15 ug/mL
							1,2,4-Trichlorobenzene	15 ug/mL
							1,2-Dichlorobenzene	15 ug/mL
							1,3-Dichlorobenzene	15 ug/mL
							1,3-Dinitrobenzene	15 ug/mL
							1,4-Dichlorobenzene	15 ug/mL
							1,4-Dioxane	15 ug/mL
							1-Methylnaphthalene	15 ug/mL
							2,2'-oxybis[1-chloropropane]	15 ug/mL
							2,3,4,6-Tetrachlorophenol	15 ug/mL
							2,4,5-Trichlorophenol	15 ug/mL
							2,4,6-Trichlorophenol	15 ug/mL
							2,4-Dichlorophenol	15 ug/mL
							2,4-Dimethylphenol	15 ug/mL
							2,4-Dinitrophenol	30 ug/mL
							2,4-Dinitrotoluene	15 ug/mL
							2,6-Dichlorophenol	15 ug/mL
							2,6-Dinitrotoluene	15 ug/mL
							2-Chloronaphthalene	15 ug/mL
							2-Chlorophenol	15 ug/mL
							2-Methylnaphthalene	15 ug/mL
							2-Methylphenol	15 ug/mL
							2-Nitroaniline	15 ug/mL
							2-Nitrophenol	15 ug/mL
							3 & 4 Methylphenol	15 ug/mL
							3-Nitroaniline	15 ug/mL
							4,6-Dinitro-2-methylphenol	30 ug/mL
							4-Bromophenyl phenyl ether	15 ug/mL
							4-Chloro-3-methylphenol	15 ug/mL
							4-Chloroaniline	15 ug/mL
							4-Chlorophenyl phenyl ether	15 ug/mL
							4-Nitroaniline	15 ug/mL
							4-Nitrophenol	30 ug/mL
							Acenaphthene	15 ug/mL
							Acenaphthylene	15 ug/mL
							Acetophenone	15 ug/mL
							Aniline	15 ug/mL
							Anthracene	15 ug/mL
							Azobenzene	15 ug/mL
							Benzo[a]anthracene	15 ug/mL
							Benzo[a]pyrene	15 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	15 ug/mL
							Benzo[g,h,i]perylene	15 ug/mL
							Benzo[k]fluoranthene	15 ug/mL
							Benzyl alcohol	15 ug/mL
							Bis(2-chloroethoxy)methane	15 ug/mL
							Bis(2-chloroethyl)ether	15 ug/mL
							Bis(2-ethylhexyl) phthalate	15 ug/mL
							Butyl benzyl phthalate	15 ug/mL
							Carbazole	15 ug/mL
							Chrysene	15 ug/mL
							Di-n-butyl phthalate	15 ug/mL
							Di-n-octyl phthalate	15 ug/mL
							Dibenz(a,h)anthracene	15 ug/mL
							Dibenzofuran	15 ug/mL
							Diethyl phthalate	15 ug/mL
							Dimethyl phthalate	15 ug/mL
							Diphenylamine	12.75 ug/mL
							Fluoranthene	15 ug/mL
							Fluorene	15 ug/mL
							Hexachlorobenzene	15 ug/mL
							Hexachlorobutadiene	15 ug/mL
							Hexachlorocyclopentadiene	15 ug/mL
							Hexachloroethane	15 ug/mL
							Indeno[1,2,3-cd]pyrene	15 ug/mL
							Isophorone	15 ug/mL
							n-Decane	15 ug/mL
							N-Nitrosodi-n-propylamine	15 ug/mL
							N-Nitrosodimethylamine	15 ug/mL
							N-Nitrosodiphenylamine	15 ug/mL
							n-Octadecane	15 ug/mL
							Naphthalene	15 ug/mL
							Nitrobenzene	15 ug/mL
							Pentachlorophenol	30 ug/mL
							Phenanthrene	15 ug/mL
							Phenol	15 ug/mL
							Pyrene	15 ug/mL
							Pyridine	30 ug/mL
							Benzoic acid	30 ug/mL
							Indene	30 ug/mL
							Atrazine	30 ug/mL
							Benzaldehyde	30 ug/mL
							Caprolactam	30 ug/mL
							3,3'-Dichlorobenzidine	30 ug/mL
							Benzidine	30 ug/mL
							2,4,6-Tribromophenol (Surr)	15 ug/mL
							2-Fluorobiphenyl (Surr)	15 ug/mL
							2-Fluorophenol (Surr)	15 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	15 ug/mL
							Phenol-d5 (Surr)	15 ug/mL
							Terphenyl-d14 (Surr)	15 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00025	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00018	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST1 S10_00012	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00018	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S10_00012	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L8 W_00025	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00025	400 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Diphenylamine	17 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
							Benzoic acid	40 ug/mL
							Indene	40 ug/mL
							Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
							3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl (Surr)	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00025	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00018	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					SMLIST1 S10_00012	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00018	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S10_00012	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 L9 W_00025	07/07/25	01/07/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST1 STOCK_00025	500 uL	1,1'-Biphenyl	25 ug/mL
							1,2,4,5-Tetrachlorobenzene	25 ug/mL
							1,2,4-Trichlorobenzene	25 ug/mL
							1,2-Dichlorobenzene	25 ug/mL
							1,3-Dichlorobenzene	25 ug/mL
							1,3-Dinitrobenzene	25 ug/mL
							1,4-Dichlorobenzene	25 ug/mL
							1,4-Dioxane	25 ug/mL
							1-Methylnaphthalene	25 ug/mL
							2,2'-oxybis[1-chloropropane]	25 ug/mL
							2,3,4,6-Tetrachlorophenol	25 ug/mL
							2,4,5-Trichlorophenol	25 ug/mL
							2,4,6-Trichlorophenol	25 ug/mL
							2,4-Dichlorophenol	25 ug/mL
							2,4-Dimethylphenol	25 ug/mL
							2,4-Dinitrophenol	50 ug/mL
							2,4-Dinitrotoluene	25 ug/mL
							2,6-Dichlorophenol	25 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	25 ug/mL
							2-Chloronaphthalene	25 ug/mL
							2-Chlorophenol	25 ug/mL
							2-Methylnaphthalene	25 ug/mL
							2-Methylphenol	25 ug/mL
							2-Nitroaniline	25 ug/mL
							2-Nitrophenol	25 ug/mL
							3 & 4 Methylphenol	25 ug/mL
							3-Nitroaniline	25 ug/mL
							4,6-Dinitro-2-methylphenol	50 ug/mL
							4-Bromophenyl phenyl ether	25 ug/mL
							4-Chloro-3-methylphenol	25 ug/mL
							4-Chloroaniline	25 ug/mL
							4-Chlorophenyl phenyl ether	25 ug/mL
							4-Nitroaniline	25 ug/mL
							4-Nitrophenol	50 ug/mL
							Acenaphthene	25 ug/mL
							Acenaphthylene	25 ug/mL
							Acetophenone	25 ug/mL
							Aniline	25 ug/mL
							Anthracene	25 ug/mL
							Azobenzene	25 ug/mL
							Benzo[a]anthracene	25 ug/mL
							Benzo[a]pyrene	25 ug/mL
							Benzo[b]fluoranthene	25 ug/mL
							Benzo[g,h,i]perylene	25 ug/mL
							Benzo[k]fluoranthene	25 ug/mL
							Benzyl alcohol	25 ug/mL
							Bis(2-chloroethoxy)methane	25 ug/mL
							Bis(2-chloroethyl)ether	25 ug/mL
							Bis(2-ethylhexyl) phthalate	25 ug/mL
							Butyl benzyl phthalate	25 ug/mL
							Carbazole	25 ug/mL
							Chrysene	25 ug/mL
							Di-n-butyl phthalate	25 ug/mL
							Di-n-octyl phthalate	25 ug/mL
							Dibenz(a,h)anthracene	25 ug/mL
							Dibenzofuran	25 ug/mL
							Diethyl phthalate	25 ug/mL
							Dimethyl phthalate	25 ug/mL
							Diphenylamine	21.25 ug/mL
							Fluoranthene	25 ug/mL
							Fluorene	25 ug/mL
							Hexachlorobenzene	25 ug/mL
							Hexachlorobutadiene	25 ug/mL
							Hexachlorocyclopentadiene	25 ug/mL
							Hexachloroethane	25 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	25 ug/mL
							Isophorone	25 ug/mL
							n-Decane	25 ug/mL
							N-Nitrosodi-n-propylamine	25 ug/mL
							N-Nitrosodimethylamine	25 ug/mL
							N-Nitrosodiphenylamine	25 ug/mL
							n-Octadecane	25 ug/mL
							Naphthalene	25 ug/mL
							Nitrobenzene	25 ug/mL
							Pentachlorophenol	50 ug/mL
							Phenanthrene	25 ug/mL
							Phenol	25 ug/mL
							Pyrene	25 ug/mL
							Pyridine	50 ug/mL
							Benzoic acid	50 ug/mL
							Indene	50 ug/mL
							Atrazine	50 ug/mL
							Benzaldehyde	50 ug/mL
							Caprolactam	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
							2,4,6-Tribromophenol (Surr)	25 ug/mL
							2-Fluorobiphenyl (Surr)	25 ug/mL
							2-Fluorophenol (Surr)	25 ug/mL
							Nitrobenzene-d5 (Surr)	25 ug/mL
							Phenol-d5 (Surr)	25 ug/mL
							Terphenyl-d14 (Surr)	25 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29	Restek, Lot A0218138			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST1 STOCK_00025	07/07/25	01/07/25	MECL2, Lot 7209492	10 mL	SMLIST1 S1_00018	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Diphenylamine	85 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					SMLIST1 S10_00012	1 mL	Benzoic acid	200 ug/mL
							Indene	200 ug/mL
					SMLIST1 S11_00016	1 mL	Atrazine	200 ug/mL
							Benzaldehyde	200 ug/mL
							Caprolactam	200 ug/mL
					SMLIST1 S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					SMLIST1 SURR_00018	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 S1_00018	09/30/25		Restek, Lot A0219584		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 S10_00012	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
..SMLIST1 S11_00016	04/30/26		Restek, Lot A0217501		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SMLIST1 S9_00013	11/30/25		Restek, Lot A0211034		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SMLIST1 SURR_00018	04/30/27		Restek, Lot A0184539		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST1 SS W_00028	10/30/25	05/28/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMLIST1 SS W_00028	10/30/25	05/28/25	MECL2, Lot 7209492	2 mL	SMLIST1 SS ST_00027	200 uL	2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Phenol	10 ug/mL
							Pyridine	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl (Surr)	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
.SMLIST1 SS ST_00027	10/31/25	05/28/25	MECL2, Lot 7209492	10 mL	SMLIST1 SS S1_00016	1 mL	2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							Phenol	100 ug/mL
							Pyridine	200 ug/mL
					SMLIST1 SS S9_00013	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
					SMLIST1 SURR_00017	200 uL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl (Surr)	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
..SMLIST1 SS S1_00016	10/31/25		Restek, Lot A0219885		(Purchased Reagent)		2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Phenol	1000 ug/mL
							Pyridine	2000 ug/mL
..SMLIST1 SS S9_00013	10/31/26		Restek, Lot A0224696		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SMLIST1 SURR_00017	05/30/26		Restek, Lot A0172807		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl (Surr)	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SMLIST2 L2 W_00037	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST2 STOCK_00040	10 uL	3-Methylcholanthrene	1 ug/mL
							6-Methylchrysene	1 ug/mL
							1,3,5-Trinitrobenzene	0.5 ug/mL
							1,4-Dinitrobenzene	0.5 ug/mL
							1-Naphthylamine	0.5 ug/mL
							2-Acetylaminofluorene	0.5 ug/mL
							2-Naphthylamine	0.5 ug/mL
							2-Picoline	0.5 ug/mL
							2-Toluidine	0.5 ug/mL
							3,3'-Dimethylbenzidine	0.5 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	0.5 ug/mL
							4-Aminobiphenyl	0.5 ug/mL
							4-Nitroquinoline-1-oxide	0.5 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	0.5 ug/mL
							Dibenz[a,h]acridine	0.5 ug/mL
							N-Nitro-o-toluidine	0.5 ug/mL
							N-Nitrosodi-n-butylamine	0.5 ug/mL
							N-Nitrosodiethylamine	0.5 ug/mL
							N-Nitrosomethylethylamine	0.5 ug/mL
							N-Nitrosomorpholine	0.5 ug/mL
							N-Nitrosopiperidine	0.5 ug/mL
							N-Nitrosopyrrolidine	0.5 ug/mL
							p-Dimethylamino azobenzene	0.5 ug/mL
							p-Phenylene diamine	0.5 ug/mL
							Pentachloronitrobenzene	0.5 ug/mL
							Phenacetin	0.5 ug/mL
							Pronamide	0.5 ug/mL
							Quinoline	0.5 ug/mL
							1,4-Naphthoquinone	0.5 ug/mL
							7,12-Dimethylbenz(a)anthracene	0.5 ug/mL
							Chlorobenzilate	0.5 ug/mL
							Dinoseb	0.5 ug/mL
							Ethyl methanesulfonate	0.5 ug/mL
							Hexachloropropene	0.5 ug/mL
							Isodrin	0.5 ug/mL
							Isosafrole Peak 1	0.08 ug/mL
							Isosafrole Peak 2	0.42 ug/mL
							Methyl methanesulfonate	0.5 ug/mL
							Pentachlorobenzene	0.5 ug/mL
							Pentachloroethane	0.5 ug/mL
							Aramite Peak 1	0.24 ug/mL
							Aramite Peak 2	0.26 ug/mL
							Diallate Peak 1	0.37 ug/mL
							Diallate Peak 2	0.13 ug/mL
							Dimethoate	0.5 ug/mL
							Disulfoton	0.5 ug/mL
							Ethyl Parathion	0.5 ug/mL
							Famphur	0.5 ug/mL
							Methyl parathion	0.5 ug/mL
							o,o',o''-Triethylphosphorothioate	0.5 ug/mL
							Phorate	0.5 ug/mL
							Safrole, Total	0.5 ug/mL
							Sulfotepp	0.5 ug/mL
							Thionazin	0.5 ug/mL
							Methapyrilene	1 ug/mL
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	exLIST2_S3_00020	1 mL	3-Methylcholanthrene	200 ug/mL
							6-Methylchrysene	200 ug/mL
					SMLIST2 S1_00029	1 mL	1,3,5-Trinitrobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							alpha,alpha-Dimethyl phenethylamine	100 ug/mL
							Dibenz[a,h]acridine	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosodiethylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosomorpholine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenacetin	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
					SMLIST2 S2_00033	1 mL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Hexachloropropene	100 ug/mL
							Isodrin	100 ug/mL
							Isosafrole Peak 1	16 ug/mL
							Isosafrole Peak 2	84 ug/mL
							Methyl methanesulfonate	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorobenzene	100 ug/mL
							Pentachloroethane	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite Peak 1	48 ug/mL
							Aramite Peak 2	52 ug/mL
							Diallate Peak 1	74 ug/mL
							Diallate Peak 2	26 ug/mL
							Dimethoate	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
							o,o',o''-Triethylphosphorothioate	100 ug/mL
							Phorate	100 ug/mL
							Safrole, Total	100 ug/mL
							Sulfotepp	100 ug/mL
							Thionazin	100 ug/mL
					SMLIST2 S5_00019	1 mL	Methapyrilene	200 ug/mL
..exLIST2_S3_00020	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..SMLIST2 S1_00029	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite Peak 1	480 ug/mL
							Aramite Peak 2	520 ug/mL
							Diallate Peak 1	740 ug/mL
							Diallate Peak 2	260 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..SMLIST2 S5_00019	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMLIST2 L3 W_00036	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST2 STOCK_00040	20 uL	3-Methylcholanthrene	2 ug/mL
							6-Methylchrysene	2 ug/mL
							1,3,5-Trinitrobenzene	1 ug/mL
							1,4-Dinitrobenzene	1 ug/mL
							1-Naphthylamine	1 ug/mL
							2-Acetylaminofluorene	1 ug/mL
							2-Naphthylamine	1 ug/mL
							2-Picoline	1 ug/mL
							2-Toluidine	1 ug/mL
							3,3'-Dimethylbenzidine	1 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1 ug/mL
							4-Aminobiphenyl	1 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	1 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1 ug/mL
							Dibenz[a,h]acridine	1 ug/mL
							N-Nitro-o-toluidine	1 ug/mL
							N-Nitrosodi-n-butylamine	1 ug/mL
							N-Nitrosodiethylamine	1 ug/mL
							N-Nitrosomethylethylamine	1 ug/mL
							N-Nitrosomorpholine	1 ug/mL
							N-Nitrosopiperidine	1 ug/mL
							N-Nitrosopyrrolidine	1 ug/mL
							p-Dimethylamino azobenzene	1 ug/mL
							p-Phenylene diamine	1 ug/mL
							Pentachloronitrobenzene	1 ug/mL
							Phenacetin	1 ug/mL
							Pronamide	1 ug/mL
							Quinoline	1 ug/mL
							1,4-Naphthoquinone	1 ug/mL
							7,12-Dimethylbenz(a)anthracene	1 ug/mL
							Chlorobenzilate	1 ug/mL
							Dinoseb	1 ug/mL
							Ethyl methanesulfonate	1 ug/mL
							Hexachloropropene	1 ug/mL
							Isodrin	1 ug/mL
							Isosafrole Peak 1	0.16 ug/mL
							Isosafrole Peak 2	0.84 ug/mL
							Methyl methanesulfonate	1 ug/mL
							Pentachlorobenzene	1 ug/mL
							Pentachloroethane	1 ug/mL
							Aramite Peak 1	0.48 ug/mL
							Aramite Peak 2	0.52 ug/mL
							Diallate Peak 1	0.74 ug/mL
							Diallate Peak 2	0.26 ug/mL
							Dimethoate	1 ug/mL
							Disulfoton	1 ug/mL
							Ethyl Parathion	1 ug/mL
							Famphur	1 ug/mL
							Methyl parathion	1 ug/mL
							o,o',o''-Triethylphosphorothioate	1 ug/mL
							Phorate	1 ug/mL
							Safrole, Total	1 ug/mL
							Sulfotepp	1 ug/mL
							Thionazin	1 ug/mL
							Methapyrilene	2 ug/mL
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	exLIST2_S3_00020	1 mL	3-Methylcholanthrene	200 ug/mL
							6-Methylchrysene	200 ug/mL
					SMLIST2 S1_00029	1 mL	1,3,5-Trinitrobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							alpha,alpha-Dimethyl phenethylamine	100 ug/mL
							Dibenz[a,h]acridine	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosodiethylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosomorpholine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenacetin	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
					SMLIST2 S2_00033	1 mL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Hexachloropropene	100 ug/mL
							Isodrin	100 ug/mL
							Isosafrole Peak 1	16 ug/mL
							Isosafrole Peak 2	84 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl methanesulfonate	100 ug/mL
							Pentachlorobenzene	100 ug/mL
							Pentachloroethane	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite Peak 1	48 ug/mL
							Aramite Peak 2	52 ug/mL
							Diallate Peak 1	74 ug/mL
							Diallate Peak 2	26 ug/mL
							Dimethoate	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
							o,o',o''-Triethylphosphorothioate	100 ug/mL
							Phorate	100 ug/mL
							Safrole, Total	100 ug/mL
							Sulfotepp	100 ug/mL
							Thionazin	100 ug/mL
					SMLIST2 S5_00019	1 mL	Methapyrilene	200 ug/mL
..exLIST2_S3_00020	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..SMLIST2 S1_00029	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Quinoline	1000 ug/mL
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite Peak 1	480 ug/mL
							Aramite Peak 2	520 ug/mL
							Diallate Peak 1	740 ug/mL
							Diallate Peak 2	260 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..SMLIST2 S5_00019	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMLIST2 L4 W_00037	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST2 STOCK_00040	40 uL	3-Methylcholanthrene	4 ug/mL
							6-Methylchrysene	4 ug/mL
							1,3,5-Trinitrobenzene	2 ug/mL
							1,4-Dinitrobenzene	2 ug/mL
							1-Naphthylamine	2 ug/mL
							2-Acetylaminofluorene	2 ug/mL
							2-Naphthylamine	2 ug/mL
							2-Picoline	2 ug/mL
							2-Toluidine	2 ug/mL
							3,3'-Dimethylbenzidine	2 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Aminobiphenyl	2 ug/mL
							4-Nitroquinoline-1-oxide	2 ug/mL
							alpha,alpha-Dimethyl phenethylamine	2 ug/mL
							Dibenz[a,h]acridine	2 ug/mL
							N-Nitro-o-toluidine	2 ug/mL
							N-Nitrosodi-n-butylamine	2 ug/mL
							N-Nitrosodiethylamine	2 ug/mL
							N-Nitrosomethylethylamine	2 ug/mL
							N-Nitrosomorpholine	2 ug/mL
							N-Nitrosopiperidine	2 ug/mL
							N-Nitrosopyrrolidine	2 ug/mL
							p-Dimethylamino azobenzene	2 ug/mL
							p-Phenylene diamine	2 ug/mL
							Pentachloronitrobenzene	2 ug/mL
							Phenacetin	2 ug/mL
							Pronamide	2 ug/mL
							Quinoline	2 ug/mL
							1,4-Naphthoquinone	2 ug/mL
							7,12-Dimethylbenz(a)anthracene	2 ug/mL
							Chlorobenzilate	2 ug/mL
							Dinoseb	2 ug/mL
							Ethyl methanesulfonate	2 ug/mL
							Hexachloropropene	2 ug/mL
							Isodrin	2 ug/mL
							Isosafrole Peak 1	0.32 ug/mL
							Isosafrole Peak 2	1.68 ug/mL
							Methyl methanesulfonate	2 ug/mL
							Pentachlorobenzene	2 ug/mL
							Pentachloroethane	2 ug/mL
							Aramite Peak 1	0.96 ug/mL
							Aramite Peak 2	1.04 ug/mL
							Diallate Peak 1	1.48 ug/mL
							Diallate Peak 2	0.52 ug/mL
							Dimethoate	2 ug/mL
							Disulfoton	2 ug/mL
							Ethyl Parathion	2 ug/mL
							Famphur	2 ug/mL
							Methyl parathion	2 ug/mL
							o,o',o''-Triethylphosphorothioate	2 ug/mL
							Phorate	2 ug/mL
							Safrole, Total	2 ug/mL
							Sulfotepp	2 ug/mL
							Thionazin	2 ug/mL
							Methapyrilene	4 ug/mL
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	exLIST2_S3_00020	1 mL	3-Methylcholanthrene	200 ug/mL
							6-Methylchrysene	200 ug/mL
					SMLIST2 S1_00029	1 mL	1,3,5-Trinitrobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							alpha,alpha-Dimethyl phenethylamine	100 ug/mL
							Dibenz[a,h]acridine	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosodiethylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosomorpholine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenacetin	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
					SMLIST2 S2_00033	1 mL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Hexachloropropene	100 ug/mL
							Isodrin	100 ug/mL
							Isosafrole Peak 1	16 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	84 ug/mL
							Methyl methanesulfonate	100 ug/mL
							Pentachlorobenzene	100 ug/mL
							Pentachloroethane	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite Peak 1	48 ug/mL
							Aramite Peak 2	52 ug/mL
							Diallate Peak 1	74 ug/mL
							Diallate Peak 2	26 ug/mL
							Dimethoate	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
							o,o',o''-Triethylphosphorothioate	100 ug/mL
							Phorate	100 ug/mL
							Safrole, Total	100 ug/mL
							Sulfotepp	100 ug/mL
							Thionazin	100 ug/mL
					SMLIST2 S5_00019	1 mL	Methapyrilene	200 ug/mL
..exLIST2_S3_00020	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..SMLIST2 S1_00029	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite Peak 1	480 ug/mL
							Aramite Peak 2	520 ug/mL
							Diallate Peak 1	740 ug/mL
							Diallate Peak 2	260 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..SMLIST2 S5_00019	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMLIST2 L5 W_00036	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST2 STOCK_00040	100 uL	3-Methylcholanthrene	10 ug/mL
							6-Methylchrysene	10 ug/mL
							1,3,5-Trinitrobenzene	5 ug/mL
							1,4-Dinitrobenzene	5 ug/mL
							1-Naphthylamine	5 ug/mL
							2-Acetylaminofluorene	5 ug/mL
							2-Naphthylamine	5 ug/mL
							2-Picoline	5 ug/mL
							2-Toluidine	5 ug/mL
							3,3'-Dimethylbenzidine	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	5 ug/mL
							4-Aminobiphenyl	5 ug/mL
							4-Nitroquinoline-1-oxide	5 ug/mL
							alpha,alpha-Dimethyl phenethylamine	5 ug/mL
							Dibenz[a,h]acridine	5 ug/mL
							N-Nitro-o-toluidine	5 ug/mL
							N-Nitrosodi-n-butylamine	5 ug/mL
							N-Nitrosodiethylamine	5 ug/mL
							N-Nitrosomethylethylamine	5 ug/mL
							N-Nitrosomorpholine	5 ug/mL
							N-Nitrosopiperidine	5 ug/mL
							N-Nitrosopyrrolidine	5 ug/mL
							p-Dimethylamino azobenzene	5 ug/mL
							p-Phenylene diamine	5 ug/mL
							Pentachloronitrobenzene	5 ug/mL
							Phenacetin	5 ug/mL
							Pronamide	5 ug/mL
							Quinoline	5 ug/mL
							1,4-Naphthoquinone	5 ug/mL
							7,12-Dimethylbenz(a)anthracene	5 ug/mL
							Chlorobenzilate	5 ug/mL
							Dinoseb	5 ug/mL
							Ethyl methanesulfonate	5 ug/mL
							Hexachloropropene	5 ug/mL
							Isodrin	5 ug/mL
							Isosafrole Peak 1	0.8 ug/mL
							Isosafrole Peak 2	4.2 ug/mL
							Methyl methanesulfonate	5 ug/mL
							Pentachlorobenzene	5 ug/mL
							Pentachloroethane	5 ug/mL
							Aramite Peak 1	2.4 ug/mL
							Aramite Peak 2	2.6 ug/mL
							Diallate Peak 1	3.7 ug/mL
							Diallate Peak 2	1.3 ug/mL
							Dimethoate	5 ug/mL
							Disulfoton	5 ug/mL
							Ethyl Parathion	5 ug/mL
							Famphur	5 ug/mL
							Methyl parathion	5 ug/mL
							o,o',o''-Triethylphosphorothioate	5 ug/mL
							Phorate	5 ug/mL
							Safrole, Total	5 ug/mL
							Sulfotepp	5 ug/mL
							Thionazin	5 ug/mL
							Methapyrilene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	exLIST2_S3_00020	1 mL	3-Methylcholanthrene	200 ug/mL
							6-Methylchrysene	200 ug/mL
					SMLIST2 S1_00029	1 mL	1,3,5-Trinitrobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							alpha,alpha-Dimethyl phenethylamine	100 ug/mL
							Dibenz[a,h]acridine	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosodiethylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosomorpholine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenacetin	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
					SMLIST2 S2_00033	1 mL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Hexachloropropene	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	100 ug/mL
							Isosafrole Peak 1	16 ug/mL
							Isosafrole Peak 2	84 ug/mL
							Methyl methanesulfonate	100 ug/mL
							Pentachlorobenzene	100 ug/mL
							Pentachloroethane	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite Peak 1	48 ug/mL
							Aramite Peak 2	52 ug/mL
							Diallate Peak 1	74 ug/mL
							Diallate Peak 2	26 ug/mL
							Dimethoate	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
							o,o',o''-Triethylphosphorothioate	100 ug/mL
							Phorate	100 ug/mL
							Safrole, Total	100 ug/mL
							Sulfotepp	100 ug/mL
							Thionazin	100 ug/mL
					SMLIST2 S5_00019	1 mL	Methapyrilene	200 ug/mL
..exLIST2_S3_00020	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..SMLIST2 S1_00029	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite Peak 1	480 ug/mL
							Aramite Peak 2	520 ug/mL
							Diallate Peak 1	740 ug/mL
							Diallate Peak 2	260 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..SMLIST2 S5_00019	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMLIST2 L6 W_00039	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST2 STOCK_00040	200 uL	3-Methylcholanthrene	20 ug/mL
							6-Methylchrysene	20 ug/mL
							1,3,5-Trinitrobenzene	10 ug/mL
							1,4-Dinitrobenzene	10 ug/mL
							1-Naphthylamine	10 ug/mL
							2-Acetylaminofluorene	10 ug/mL
							2-Naphthylamine	10 ug/mL
							2-Picoline	10 ug/mL
							2-Toluidine	10 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dimethylbenzidine	10 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	10 ug/mL
							4-Aminobiphenyl	10 ug/mL
							4-Nitroquinoline-1-oxide	10 ug/mL
							alpha,alpha-Dimethyl phenethylamine	10 ug/mL
							Dibenz[a,h]acridine	10 ug/mL
							N-Nitro-o-toluidine	10 ug/mL
							N-Nitrosodi-n-butylamine	10 ug/mL
							N-Nitrosodiethylamine	10 ug/mL
							N-Nitrosomethylethylamine	10 ug/mL
							N-Nitrosomorpholine	10 ug/mL
							N-Nitrosopiperidine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
							p-Dimethylamino azobenzene	10 ug/mL
							p-Phenylene diamine	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenacetin	10 ug/mL
							Pronamide	10 ug/mL
							Quinoline	10 ug/mL
							1,4-Naphthoquinone	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Chlorobenzilate	10 ug/mL
							Dinoseb	10 ug/mL
							Ethyl methanesulfonate	10 ug/mL
							Hexachloropropene	10 ug/mL
							Isodrin	10 ug/mL
							Isosafrole Peak 1	1.6 ug/mL
							Isosafrole Peak 2	8.4 ug/mL
							Methyl methanesulfonate	10 ug/mL
							Pentachlorobenzene	10 ug/mL
							Pentachloroethane	10 ug/mL
							Aramite Peak 1	4.8 ug/mL
							Aramite Peak 2	5.2 ug/mL
							Diallate Peak 1	7.4 ug/mL
							Diallate Peak 2	2.6 ug/mL
							Dimethoate	10 ug/mL
							Disulfoton	10 ug/mL
							Ethyl Parathion	10 ug/mL
							Famphur	10 ug/mL
							Methyl parathion	10 ug/mL
							o,o',o''-Triethylphosphorothioate	10 ug/mL
							Phorate	10 ug/mL
							Safrole, Total	10 ug/mL
							Sulfotepp	10 ug/mL
							Thionazin	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methapyrilene	20 ug/mL
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	exLIST2_S3_00020	1 mL	3-Methylcholanthrene	200 ug/mL
							6-Methylchrysene	200 ug/mL
					SMLIST2 S1_00029	1 mL	1,3,5-Trinitrobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							alpha,alpha-Dimethyl phenethylamine	100 ug/mL
							Dibenz[a,h]acridine	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosodiethylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosomorpholine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenacetin	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
					SMLIST2 S2_00033	1 mL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloropropene	100 ug/mL
							Isodrin	100 ug/mL
							Isosafrole Peak 1	16 ug/mL
							Isosafrole Peak 2	84 ug/mL
							Methyl methanesulfonate	100 ug/mL
							Pentachlorobenzene	100 ug/mL
							Pentachloroethane	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite Peak 1	48 ug/mL
							Aramite Peak 2	52 ug/mL
							Diallate Peak 1	74 ug/mL
							Diallate Peak 2	26 ug/mL
							Dimethoate	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
							o,o',o''-Triethylphosphorothioate	100 ug/mL
							Phorate	100 ug/mL
							Safrole, Total	100 ug/mL
							Sulfotepp	100 ug/mL
							Thionazin	100 ug/mL
					SMLIST2 S5_00019	1 mL	Methapyrilene	200 ug/mL
..exLIST2_S3_00020	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..SMLIST2 S1_00029	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite Peak 1	480 ug/mL
							Aramite Peak 2	520 ug/mL
							Diallate Peak 1	740 ug/mL
							Diallate Peak 2	260 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..SMLIST2 S5_00019	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMLIST2 L6 W_00039	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMLIST2 STOCK_00040	200 uL	Isosafrole	10 ug/mL
							Aramite, Total	10 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	SMLIST2 S2_00033	1 mL	Isosafrole	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite, Total	100 ug/mL
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		Isosafrole	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite, Total	1000 ug/mL
SMLIST2 L7 W_00036	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST2 STOCK_00040	300 uL	3-Methylcholanthrene	30 ug/mL
							6-Methylchrysene	30 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-Trinitrobenzene	15 ug/mL
							1,4-Dinitrobenzene	15 ug/mL
							1-Naphthylamine	15 ug/mL
							2-Acetylaminofluorene	15 ug/mL
							2-Naphthylamine	15 ug/mL
							2-Picoline	15 ug/mL
							2-Toluidine	15 ug/mL
							3,3'-Dimethylbenzidine	15 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	15 ug/mL
							4-Aminobiphenyl	15 ug/mL
							4-Nitroquinoline-1-oxide	15 ug/mL
							alpha,alpha-Dimethyl phenethylamine	15 ug/mL
							Dibenz[a,h]acridine	15 ug/mL
							N-Nitro-o-toluidine	15 ug/mL
							N-Nitrosodi-n-butylamine	15 ug/mL
							N-Nitrosodiethylamine	15 ug/mL
							N-Nitrosomethylethylamine	15 ug/mL
							N-Nitrosomorpholine	15 ug/mL
							N-Nitrosopiperidine	15 ug/mL
							N-Nitrosopyrrolidine	15 ug/mL
							p-Dimethylamino azobenzene	15 ug/mL
							p-Phenylene diamine	15 ug/mL
							Pentachloronitrobenzene	15 ug/mL
							Phenacetin	15 ug/mL
							Pronamide	15 ug/mL
							Quinoline	15 ug/mL
							1,4-Naphthoquinone	15 ug/mL
							7,12-Dimethylbenz(a)anthracene	15 ug/mL
							Chlorobenzilate	15 ug/mL
							Dinoseb	15 ug/mL
							Ethyl methanesulfonate	15 ug/mL
							Hexachloropropene	15 ug/mL
							Isodrin	15 ug/mL
							Isosafrole Peak 1	2.4 ug/mL
							Isosafrole Peak 2	12.6 ug/mL
							Methyl methanesulfonate	15 ug/mL
							Pentachlorobenzene	15 ug/mL
							Pentachloroethane	15 ug/mL
							Aramite Peak 1	7.2 ug/mL
							Aramite Peak 2	7.8 ug/mL
							Diallate Peak 1	11.1 ug/mL
							Diallate Peak 2	3.9 ug/mL
							Dimethoate	15 ug/mL
							Disulfoton	15 ug/mL
							Ethyl Parathion	15 ug/mL
							Famphur	15 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl parathion	15 ug/mL
							o,o',o''-Triethylphosphorothioate	15 ug/mL
							Phorate	15 ug/mL
							Safrole, Total	15 ug/mL
							Sulfotepp	15 ug/mL
							Thionazin	15 ug/mL
							Methapyrilene	30 ug/mL
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	exLIST2_S3_00020	1 mL	3-Methylcholanthrene	200 ug/mL
							6-Methylchrysene	200 ug/mL
					SMLIST2 S1_00029	1 mL	1,3,5-Trinitrobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							alpha,alpha-Dimethyl phenethylamine	100 ug/mL
							Dibenz[a,h]acridine	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosodiethylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosomorpholine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenacetin	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
					SMLIST2 S2_00033	1 mL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Hexachloropropene	100 ug/mL
							Isodrin	100 ug/mL
							Isosafrole Peak 1	16 ug/mL
							Isosafrole Peak 2	84 ug/mL
							Methyl methanesulfonate	100 ug/mL
							Pentachlorobenzene	100 ug/mL
							Pentachloroethane	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite Peak 1	48 ug/mL
							Aramite Peak 2	52 ug/mL
							Diallate Peak 1	74 ug/mL
							Diallate Peak 2	26 ug/mL
							Dimethoate	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
							o,o',o''-Triethylphosphorothioate	100 ug/mL
							Phorate	100 ug/mL
							Safrole, Total	100 ug/mL
							Sulfotepp	100 ug/mL
							Thionazin	100 ug/mL
					SMLIST2 S5_00019	1 mL	Methapyrilene	200 ug/mL
..exLIST2_S3_00020	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..SMLIST2 S1_00029	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite Peak 1	480 ug/mL
							Aramite Peak 2	520 ug/mL
							Diallate Peak 1	740 ug/mL
							Diallate Peak 2	260 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..SMLIST2 S5_00019	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMLIST2 L8 W_00037	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL
					SMLIST2 STOCK_00040	400 uL	3-Methylcholanthrene	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							6-Methylchrysene	40 ug/mL
							1,3,5-Trinitrobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Naphthylamine	20 ug/mL
							2-Acetylaminofluorene	20 ug/mL
							2-Naphthylamine	20 ug/mL
							2-Picoline	20 ug/mL
							2-Toluidine	20 ug/mL
							3,3'-Dimethylbenzidine	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Aminobiphenyl	20 ug/mL
							4-Nitroquinoline-1-oxide	20 ug/mL
							alpha,alpha-Dimethyl phenethylamine	20 ug/mL
							Dibenz[a,h]acridine	20 ug/mL
							N-Nitro-o-toluidine	20 ug/mL
							N-Nitrosodi-n-butylamine	20 ug/mL
							N-Nitrosodiethylamine	20 ug/mL
							N-Nitrosomethylethylamine	20 ug/mL
							N-Nitrosomorpholine	20 ug/mL
							N-Nitrosopiperidine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
							p-Dimethylamino azobenzene	20 ug/mL
							p-Phenylene diamine	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenacetin	20 ug/mL
							Pronamide	20 ug/mL
							Quinoline	20 ug/mL
							1,4-Naphthoquinone	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Dinoseb	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Hexachloropropene	20 ug/mL
							Isodrin	20 ug/mL
							Isosafrole Peak 1	3.2 ug/mL
							Isosafrole Peak 2	16.8 ug/mL
							Methyl methanesulfonate	20 ug/mL
							Pentachlorobenzene	20 ug/mL
							Pentachloroethane	20 ug/mL
							Aramite Peak 1	9.6 ug/mL
							Aramite Peak 2	10.4 ug/mL
							Diallate Peak 1	14.8 ug/mL
							Diallate Peak 2	5.2 ug/mL
							Dimethoate	20 ug/mL
							Disulfoton	20 ug/mL
							Ethyl Parathion	20 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Famphur	20 ug/mL
							Methyl parathion	20 ug/mL
							o,o',o''-Triethylphosphorothioate	20 ug/mL
							Phorate	20 ug/mL
							Safrole, Total	20 ug/mL
							Sulfotepp	20 ug/mL
							Thionazin	20 ug/mL
							Methapyrilene	40 ug/mL
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29	Restek, Lot A0218138			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	exLIST2_S3_00020	1 mL	3-Methylcholanthrene	200 ug/mL
							6-Methylchrysene	200 ug/mL
					SMLIST2 S1_00029	1 mL	1,3,5-Trinitrobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							alpha,alpha-Dimethyl phenethylamine	100 ug/mL
							Dibenz[a,h]acridine	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosodiethylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosomorpholine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenacetin	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
					SMLIST2 S2_00033	1 mL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Hexachloropropene	100 ug/mL
							Isodrin	100 ug/mL
							Isosafrole Peak 1	16 ug/mL
							Isosafrole Peak 2	84 ug/mL
							Methyl methanesulfonate	100 ug/mL
							Pentachlorobenzene	100 ug/mL
							Pentachloroethane	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite Peak 1	48 ug/mL
							Aramite Peak 2	52 ug/mL
							Diallate Peak 1	74 ug/mL
							Diallate Peak 2	26 ug/mL
							Dimethoate	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
							o,o',o''-Triethylphosphorothioate	100 ug/mL
							Phorate	100 ug/mL
							Safrole, Total	100 ug/mL
							Sulfotepp	100 ug/mL
							Thionazin	100 ug/mL
					SMLIST2 S5_00019	1 mL	Methapyrilene	200 ug/mL
..exLIST2_S3_00020	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..SMLIST2 S1_00029	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Dibenz[a,h]acridine	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite Peak 1	480 ug/mL
							Aramite Peak 2	520 ug/mL
							Diallate Peak 1	740 ug/mL
							Diallate Peak 2	260 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..SMLIST2 S5_00019	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMLIST2 L9 W_00036	11/23/25	06/19/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00036	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL
							Phenanthrene-d10	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMLIST2 STOCK_00040	500 uL	3-Methylcholanthrene	50 ug/mL
							6-Methylchrysene	50 ug/mL
							1,3,5-Trinitrobenzene	25 ug/mL
							1,4-Dinitrobenzene	25 ug/mL
							1-Naphthylamine	25 ug/mL
							2-Acetylaminofluorene	25 ug/mL
							2-Naphthylamine	25 ug/mL
							2-Picoline	25 ug/mL
							2-Toluidine	25 ug/mL
							3,3'-Dimethylbenzidine	25 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	25 ug/mL
							4-Aminobiphenyl	25 ug/mL
							4-Nitroquinoline-1-oxide	25 ug/mL
							alpha,alpha-Dimethyl phenethylamine	25 ug/mL
							Dibenz[a,h]acridine	25 ug/mL
							N-Nitro-o-toluidine	25 ug/mL
							N-Nitrosodi-n-butylamine	25 ug/mL
							N-Nitrosodiethylamine	25 ug/mL
							N-Nitrosomethylethylamine	25 ug/mL
							N-Nitrosomorpholine	25 ug/mL
							N-Nitrosopiperidine	25 ug/mL
							N-Nitrosopyrrolidine	25 ug/mL
							p-Dimethylamino azobenzene	25 ug/mL
							p-Phenylene diamine	25 ug/mL
							Pentachloronitrobenzene	25 ug/mL
							Phenacetin	25 ug/mL
							Pronamide	25 ug/mL
							Quinoline	25 ug/mL
							1,4-Naphthoquinone	25 ug/mL
							7,12-Dimethylbenz(a)anthracene	25 ug/mL
							Chlorobenzilate	25 ug/mL
							Dinoseb	25 ug/mL
							Ethyl methanesulfonate	25 ug/mL
							Hexachloropropene	25 ug/mL
							Isodrin	25 ug/mL
							Isosafrole Peak 1	4 ug/mL
							Isosafrole Peak 2	21 ug/mL
							Methyl methanesulfonate	25 ug/mL
							Pentachlorobenzene	25 ug/mL
							Pentachloroethane	25 ug/mL
							Aramite Peak 1	12 ug/mL
							Aramite Peak 2	13 ug/mL
							Diallate Peak 1	18.5 ug/mL
							Diallate Peak 2	6.5 ug/mL
							Dimethoate	25 ug/mL
							Disulfoton	25 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	25 ug/mL
							Famphur	25 ug/mL
							Methyl parathion	25 ug/mL
							o,o',o''-Triethylphosphorothioate	25 ug/mL
							Phorate	25 ug/mL
							Safrole, Total	25 ug/mL
							Sulfotepp	25 ug/mL
							Thionazin	25 ug/mL
							Methapyrilene	50 ug/mL
.SMIS80PPMW_00036	06/19/26	06/19/25	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29	Restek, Lot A0218138			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SMLIST2 STOCK_00040	11/23/25	06/19/25	MECL2, Lot 7209492	10 mL	exLIST2_S3_00020	1 mL	3-Methylcholanthrene	200 ug/mL
							6-Methylchrysene	200 ug/mL
					SMLIST2 S1_00029	1 mL	1,3,5-Trinitrobenzene	100 ug/mL
							1,4-Dinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							alpha,alpha-Dimethyl phenethylamine	100 ug/mL
							Dibenz[a,h]acridine	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosodiethylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosomorpholine	100 ug/mL
							N-Nitrosopiperidine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	100 ug/mL
							Phenacetin	100 ug/mL
							Pronamide	100 ug/mL
							Quinoline	100 ug/mL
					SMLIST2 S2_00033	1 mL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Dinoseb	100 ug/mL
							Ethyl methanesulfonate	100 ug/mL
							Hexachloropropene	100 ug/mL
							Isodrin	100 ug/mL
							Isosafrole Peak 1	16 ug/mL
							Isosafrole Peak 2	84 ug/mL
							Methyl methanesulfonate	100 ug/mL
							Pentachlorobenzene	100 ug/mL
							Pentachloroethane	100 ug/mL
					SMLIST2 S4_00021	1 mL	Aramite Peak 1	48 ug/mL
							Aramite Peak 2	52 ug/mL
							Diallate Peak 1	74 ug/mL
							Diallate Peak 2	26 ug/mL
							Dimethoate	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
							o,o',o''-Triethylphosphorothioate	100 ug/mL
							Phorate	100 ug/mL
							Safrole, Total	100 ug/mL
							Sulfotepp	100 ug/mL
							Thionazin	100 ug/mL
					SMLIST2 S5_00019	1 mL	Methapyrilene	200 ug/mL
..exLIST2_S3_00020	12/31/25		Restek, Lot A0220331		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
							6-Methylchrysene	2000 ug/mL
..SMLIST2 S1_00029	03/31/26		Restek, Lot A0223314		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz[a,h]acridine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
							Quinoline	1000 ug/mL
..SMLIST2 S2_00033	03/31/26		Restek, Lot A0223205		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Dinoseb	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Isosafrole Peak 1	160 ug/mL
							Isosafrole Peak 2	840 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..SMLIST2 S4_00021	11/23/26		Restek, Lot A0218899		(Purchased Reagent)		Aramite Peak 1	480 ug/mL
							Aramite Peak 2	520 ug/mL
							Diallate Peak 1	740 ug/mL
							Diallate Peak 2	260 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..SMLIST2 S5_00019	11/30/26		Restek, Lot A0219575		(Purchased Reagent)		Methapyrilene	2000 ug/mL
SMLIST2 SS W_00037	08/31/25	03/04/25	MECL2, Lot 7209492	2 mL	SMIS80PPMW_00035	100 uL	1,4-Dichlorobenzene-d4	4 ug/mL
							Acenaphthene-d10	4 ug/mL
							Chrysene-d12	4 ug/mL
							Naphthalene-d8	4 ug/mL
							Perylene-d12	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	4 ug/mL
.SMIS80PPMW_00035	10/30/25	11/05/24	MECL2, Lot 7209492	50 mL	SMIS R_00020	2 mL	1,4-Dichlorobenzene-d4	80 ug/mL
							Acenaphthene-d10	80 ug/mL
							Chrysene-d12	80 ug/mL
							Naphthalene-d8	80 ug/mL
							Perylene-d12	80 ug/mL
							Phenanthrene-d10	80 ug/mL
..SMIS R_00020	10/31/29		Restek, Lot A0218138		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMLIST2 SS W_00037	08/31/25	03/04/25	MECL2, Lot 7209492	2 mL	SMLIST2 SS ST_00039	200 uL	1,3,5-Trinitrobenzene	10 ug/mL
							1-Naphthylamine	10 ug/mL
							2-Acetylaminofluorene	10 ug/mL
							2-Naphthylamine	10 ug/mL
							2-Picoline	10 ug/mL
							2-Toluidine	10 ug/mL
							3,3'-Dimethylbenzidine	10 ug/mL
							4-Aminobiphenyl	10 ug/mL
							4-Nitroquinoline-1-oxide	10 ug/mL
							N-Nitro-o-toluidine	10 ug/mL
							N-Nitrosodi-n-butylamine	10 ug/mL
							N-Nitrosomethylethylamine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
							p-Dimethylamino azobenzene	10 ug/mL
							p-Phenylene diamine	10 ug/mL
							Pronamide	10 ug/mL
							1,4-Naphthoquinone	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Chlorobenzilate	10 ug/mL
							Isosafrole	10 ug/mL
							Isosafrole Peak 1	1.2 ug/mL
							Isosafrole Peak 2	8.8 ug/mL
							Methyl methanesulfonate	10 ug/mL
							3-Methylcholanthrene	20 ug/mL
							Aramite, Total	10 ug/mL
							Disulfoton	10 ug/mL
							Ethyl Parathion	10 ug/mL
							Famphur	10 ug/mL
							Methyl parathion	10 ug/mL
							Methapyrilene	20 ug/mL
.SMLIST2 SS ST_00039	08/31/25	03/04/25	MECL2, Lot 7209492	5 mL	SMLIST2 SS S1_00019	500 uL	1,3,5-Trinitrobenzene	100 ug/mL
							1-Naphthylamine	100 ug/mL
							2-Acetylaminofluorene	100 ug/mL
							2-Naphthylamine	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Picoline	100 ug/mL
							2-Toluidine	100 ug/mL
							3,3'-Dimethylbenzidine	100 ug/mL
							4-Aminobiphenyl	100 ug/mL
							4-Nitroquinoline-1-oxide	100 ug/mL
							N-Nitro-o-toluidine	100 ug/mL
							N-Nitrosodi-n-butylamine	100 ug/mL
							N-Nitrosomethylethylamine	100 ug/mL
							N-Nitrosopyrrolidine	100 ug/mL
							p-Dimethylamino azobenzene	100 ug/mL
							p-Phenylene diamine	100 ug/mL
							Pronamide	100 ug/mL
					SMLIST2 SS S2_00030	500 uL	1,4-Naphthoquinone	100 ug/mL
							7,12-Dimethylbenz(a)anthracene	100 ug/mL
							Chlorobenzilate	100 ug/mL
							Isosafrole	100 ug/mL
							Isosafrole Peak 1	12 ug/mL
							Isosafrole Peak 2	88 ug/mL
							Methyl methanesulfonate	100 ug/mL
					SMLIST2 SS S3_00025	500 uL	3-Methylcholanthrene	200 ug/mL
					SMLIST2 SS S4_00017	500 uL	Aramite, Total	100 ug/mL
							Disulfoton	100 ug/mL
							Ethyl Parathion	100 ug/mL
							Famphur	100 ug/mL
							Methyl parathion	100 ug/mL
					SMLIST2 SS S5_00015	500 uL	Methapyrilene	200 ug/mL
..SMLIST2 SS S1_00019	08/31/25		Restek, Lot A0214847		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pronamide	1000 ug/mL
..SMLIST2 SS S2_00030	08/31/25		Restek, Lot A0215414		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Isosafrole	1000 ug/mL
							Isosafrole Peak 1	120 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isosafrole Peak 2	880 ug/mL
							Methyl methanesulfonate	1000 ug/mL
..SMLIST2 SS S3_00025	01/31/26		Restek, Lot A0220736		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..SMLIST2 SS S4_00017	07/31/26		Restek, Lot A0214408		(Purchased Reagent)		Aramite, Total	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Famphur	1000 ug/mL
							Methyl parathion	1000 ug/mL
..SMLIST2 SS S5_00015	12/31/26		Restek, Lot A0220193		(Purchased Reagent)		Methapyrilene	2000 ug/mL
vm25UX18SS_00017							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							1,4-Dichlorobenzene-d4	
							BFB	
							Chlorobenzene-d5	
							Fluorobenzene	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					VM567650_00038	1 mL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 ug/mL
.VM567650_00038	12/31/25		Restek, Lot A0167135		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
VMAROLISTDW_00604	07/23/25	07/16/25	MEOH, Lot na	4 mL	VMACROLSTD_00146	4 mL	Acrolein	250 ug/mL
.VMACROLSTD_00146	07/23/25	06/23/25	MEOH, Lot 244841	20 mL	VM568720_00047	0.25 mL	Acrolein	250 ug/mL
..VM568720_00047	09/30/25		restek, Lot A0209476		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00606	08/08/25	08/01/25	MEOH, Lot na	4 mL	VMACROLSTD_00147	4 mL	Acrolein	250 ug/mL
.VMACROLSTD_00147	08/17/25	07/16/25	MEOH, Lot 244841	20 mL	VM568720_00047	0.25 mL	Acrolein	250 ug/mL
..VM568720_00047	09/30/25		restek, Lot A0209476		(Purchased Reagent)		Acrolein	20000 ug/mL
vmbfb_00037							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00004	1 mL	BFB	50 ug/mL
.vm30026_00004	02/28/27		restek, Lot A0181998		(Purchased Reagent)		BFB	2000 ug/mL
VMFASAW_00571	07/18/25	07/11/25	MEOH, Lot NA	4 mL	VMFASA_00088	4 mL	Acrolein	250 ug/mL
.VMFASA_00088	08/19/25	03/19/25	MEOH, Lot 242156	100 mL	VM568720S_00044	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00044	03/31/26		restek, Lot A0216484		(Purchased Reagent)		Acrolein	20000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMFASAW_00572	07/26/25	07/19/25	MEOH, Lot NA	4 mL	VMFASA_00088	4 mL	Acrolein	250 ug/mL
.VMFASA_00088	08/19/25	03/19/25	MEOH, Lot 242156	100 mL	VM568720S_00044	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00044	03/31/26		restek, Lot A0216484		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASAW_00573	08/04/25	07/28/25	MEOH, Lot NA	4 mL	VMFASA_00088	4 mL	Acrolein	250 ug/mL
.VMFASA_00088	08/19/25	03/19/25	MEOH, Lot 242156	100 mL	VM568720S_00044	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00044	03/31/26		restek, Lot A0216484		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASAW_00574	08/12/25	08/05/25	MEOH, Lot NA	4 mL	VMFASA_00088	4 mL	Acrolein	250 ug/mL
.VMFASA_00088	08/19/25	03/19/25	MEOH, Lot 242156	100 mL	VM568720S_00044	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00044	03/31/26		restek, Lot A0216484		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASPW_00606	07/21/25	07/15/25	MEOH, Lot n/a	4 mL	VMRFASP_00094	4 mL	trans-1,4-Dichloro-2-butene	50 ug/mL
.VMRFASP_00094	08/31/25	05/03/25	MEOH, Lot 242830	100 mL	VM571992S_00010	2 mL	trans-1,4-Dichloro-2-butene	50 ug/mL
..VM571992S_00010	08/31/25		Restek, Lot A0195252		(Purchased Reagent)		trans-1,4-Dichloro-2-butene	2500 ug/mL
VMFASPW_00608	08/06/25	07/30/25	MEOH, Lot n/a	4 mL	VMRFASP_00094	4 mL	Acetone	100 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
.VMRFASP_00094	08/31/25	05/03/25	MEOH, Lot 242830	100 mL	VM569721S_00008	0.8 mL	Acetone	100 ug/mL
					VM571992S_00010	2 mL	trans-1,4-Dichloro-2-butene	50 ug/mL
..VM569721S_00008	02/28/26		Restek, Lot A0194631		(Purchased Reagent)		Acetone	12500 ug/mL
..VM571992S_00010	08/31/25		Restek, Lot A0195252		(Purchased Reagent)		trans-1,4-Dichloro-2-butene	2500 ug/mL
VMRGAS_00588	07/21/25	07/14/25	MEOH, Lot 245593	20 mL	vm569722_00031	0.4 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00031	05/31/27		Restek, Lot A0211969		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMRPRIMW_00647	07/23/25	07/16/25	MEOH, Lot NA	5 mL	VMRPRIM_00070	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00070	09/26/25	03/26/25	MEOH, Lot 242156	100 mL	VM569721_00009	0.8 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00014	4 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00030	1 mL	Vinyl acetate	50 ug/mL
					VM571992_00007	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
..VM569721_00009	01/31/26		Restek, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00014	01/31/26		restek, Lot A0193735		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00030	09/30/25		Restek, Lot A0209567		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00007	04/30/26		Restek, Lot A0203458		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00649	08/08/25	08/01/25	MEOH, Lot NA	5 mL	VMRPRIM_00070	5 mL	Acetone	100 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
.VMRPRIM_00070	09/26/25	03/26/25	MEOH, Lot 242156	100 mL	VM569721_00009	0.8 mL	Acetone	100 ug/mL
					VM571992_00007	2 mL	trans-1,4-Dichloro-2-butene	50 ug/mL
..VM569721_00009	01/31/26	Restek, Lot A0193494			(Purchased Reagent)		Acetone	12500 ug/mL
..VM571992_00007	04/30/26	Restek, Lot A0203458			(Purchased Reagent)		trans-1,4-Dichloro-2-butene	2500 ug/mL
VMUX11IS_00001	06/05/26	06/05/25	MEOH, Lot 244841	100 mL	vm30241_00011	1 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene	25 ug/mL
.vm30241_00011	12/31/29	restek, Lot A0219959			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vmUX27-SS_00001	07/28/25	01/28/25	MEOH, Lot 24333-1,A453-1,FISHE	200 mL	VM567650_00038	1 mL	1,2-Dichloroethane-d4 (Surr)	12.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromofluorobenzene (Surr)	12.5 ug/mL
							Dibromofluoromethane (Surr)	12.5 ug/mL
							Toluene-d8 (Surr)	12.5 ug/mL
.VM567650_00038	12/31/25		Restek, Lot A0167135		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vmUX27-SS_00002	12/31/25	07/29/25	MEOH, Lot A453-1 lot 245,FISHE	200 mL	VM567650_00038	1 mL	1,2-Dichloroethane-d4 (Surr)	12.5 ug/mL
							4-Bromofluorobenzene (Surr)	12.5 ug/mL
							Dibromofluoromethane (Surr)	12.5 ug/mL
							Toluene-d8 (Surr)	12.5 ug/mL
.VM567650_00038	12/31/25		Restek, Lot A0167135		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
vmUX27IS_00001	07/28/25	01/28/25	MEOH, Lot 24333-1,A453-1,Fishe	100 mL	vm30241_00010	500 uL	1,4-Dichlorobenzene-d4	12.5 ug/mL
							Chlorobenzene-d5	12.5 ug/mL
							Fluorobenzene	12.5 ug/mL
.vm30241_00010	10/31/28		restek, Lot A0203613		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vmUX27IS_00002	11/12/25	05/12/25	MEOH, Lot 244841,A453-1,Fishe	100 mL	vm30241_00010	500 uL	1,4-Dichlorobenzene-d4	12.5 ug/mL
							Chlorobenzene-d5	12.5 ug/mL
							Fluorobenzene	12.5 ug/mL
.vm30241_00010	10/31/28		restek, Lot A0203613		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL

Reagent

exBENZALDEHYD_00104

LABORATORY STANDARDS DOCUMENTATION FORM FOR EUROFINS ENVIRONMENT TESTING NORTH CENTRAL, LLC

Standard No.: 7627911
ID exBENZALDEHYD_00104
Exp: 01/15/26 Prpd: BMB Crt: 07/15/25
Benzaldehyde BNA Spike

Standard Name: _____

Date Created: 7-15-25

Extractionist Initials: BB

Extractionist Comments: Please confirm new spike

Please return copy of chromatogram and recovery results

Date Analyzed: 7/17/25

Passed?: Yes [X] No [ ]

Returned copy of chromatogram and recovery page to Extractions?: Yes [X] No [ ]

Analyst Initials: MU

Analyst Comments: _____

Report Date: 17-Jul-2025 11:33:38 Chrom Revision: 2.3 14-Jul-2025 13:55:14

Preliminary Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4HP7\20250717-157026.b\70717010.D

Injection Date: 17-Jul-2025 10:55:30 Instrument ID: A4HP7 Operator ID:

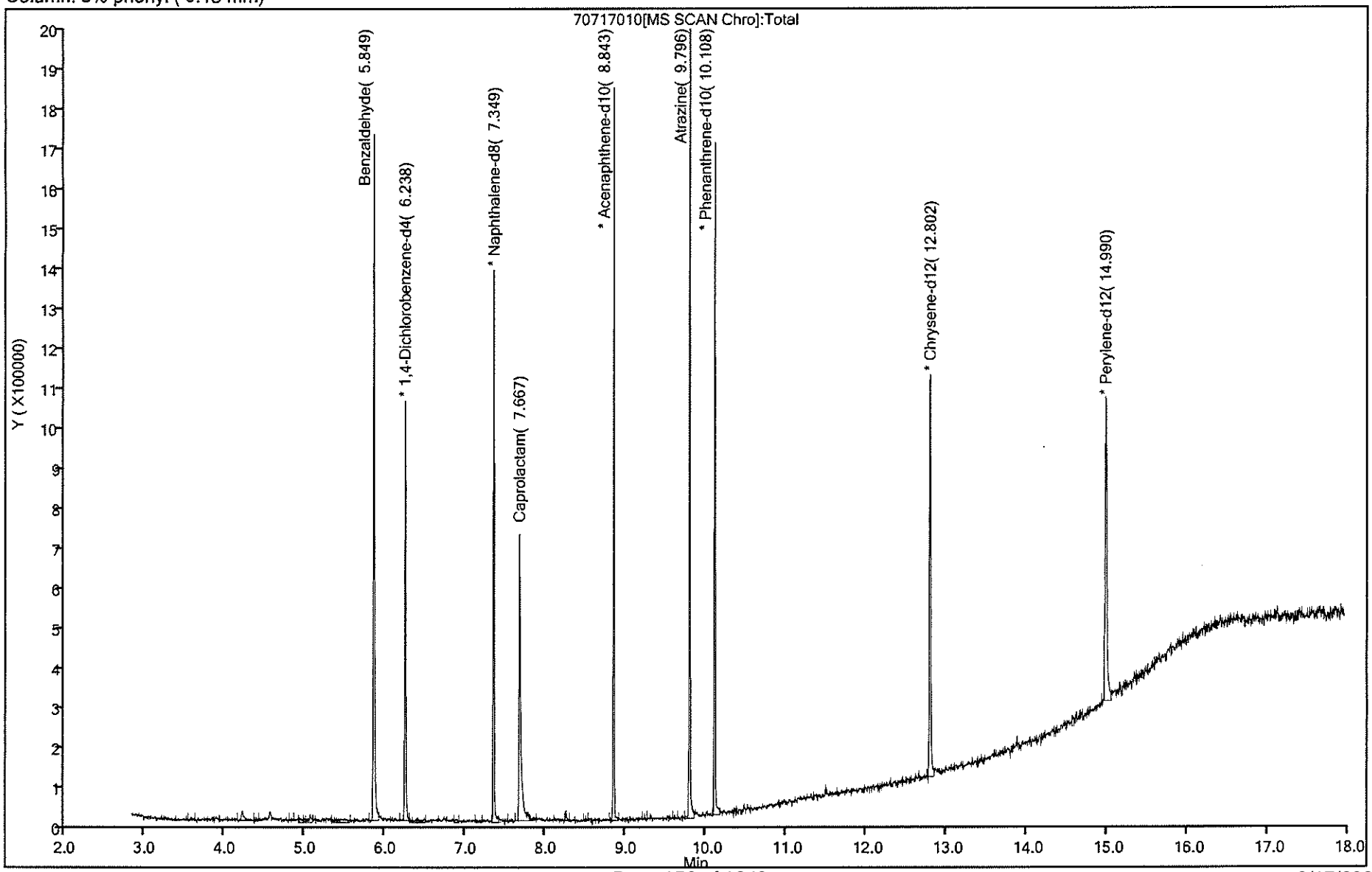
Lims ID: benzspk104 Worklist Smp#: 10

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 5.0000 ALS Bottle#: 10

Method: 8270_hp7 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



Preliminary Report

Eurofins Cleveland

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Canton\ChromData\A4HP7\20250717-157026.b\70717010.D

Lims ID: benzspk104 Inj. Date: 17-Jul-2025 10:55:30

Worklist ID: 240-0157026-010 Instrument: A4HP7

Method: 8270_hp7

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 3546
40 Benzaldehyde	8.00	7.40	92.5	36-168
83 Caprolactam	8.00	6.09	76.2	10-120
140 Atrazine	8.00	6.66	83.3	50-152

Samples for Limit Group: 1, Lims Prep Method: 3546

240-228539-B-2-J

Reagent

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exBNASURR W_00130

LABORATORY STANDARDS DOCUMENTATION FORM FOR EUROFINS ENVIRONMENT TESTING NORTH CENTRAL, LLC

Standard No.: 7627915 ID: exBNASURR W_00130 Exp: 01/15/26 Prpd: BMB Crt: 07/15/25 BNA Surrogates

Standard Name: _____

Date Created: 7-15-25

Extractionist Initials: BB

Extractionist Comments: Please confirm new surrogate

Please return copy of chromatogram and recovery results

Date Analyzed: 7/17/25

Passed?: Yes [X] No [ ]

Returned copy of chromatogram and recovery page to Extractions?: Yes [X] No [ ]

Analyst Initials: MJ

Analyst Comments: _____

Report Date: 17-Jul-2025 10:34:23 Chrom Revision: 2.3 14-Jul-2025 13:55:14

Preliminary Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4HP7\20250717-157026.b\70717008.D

Injection Date: 17-Jul-2025 10:07:30 Instrument ID: A4HP7 Operator ID:

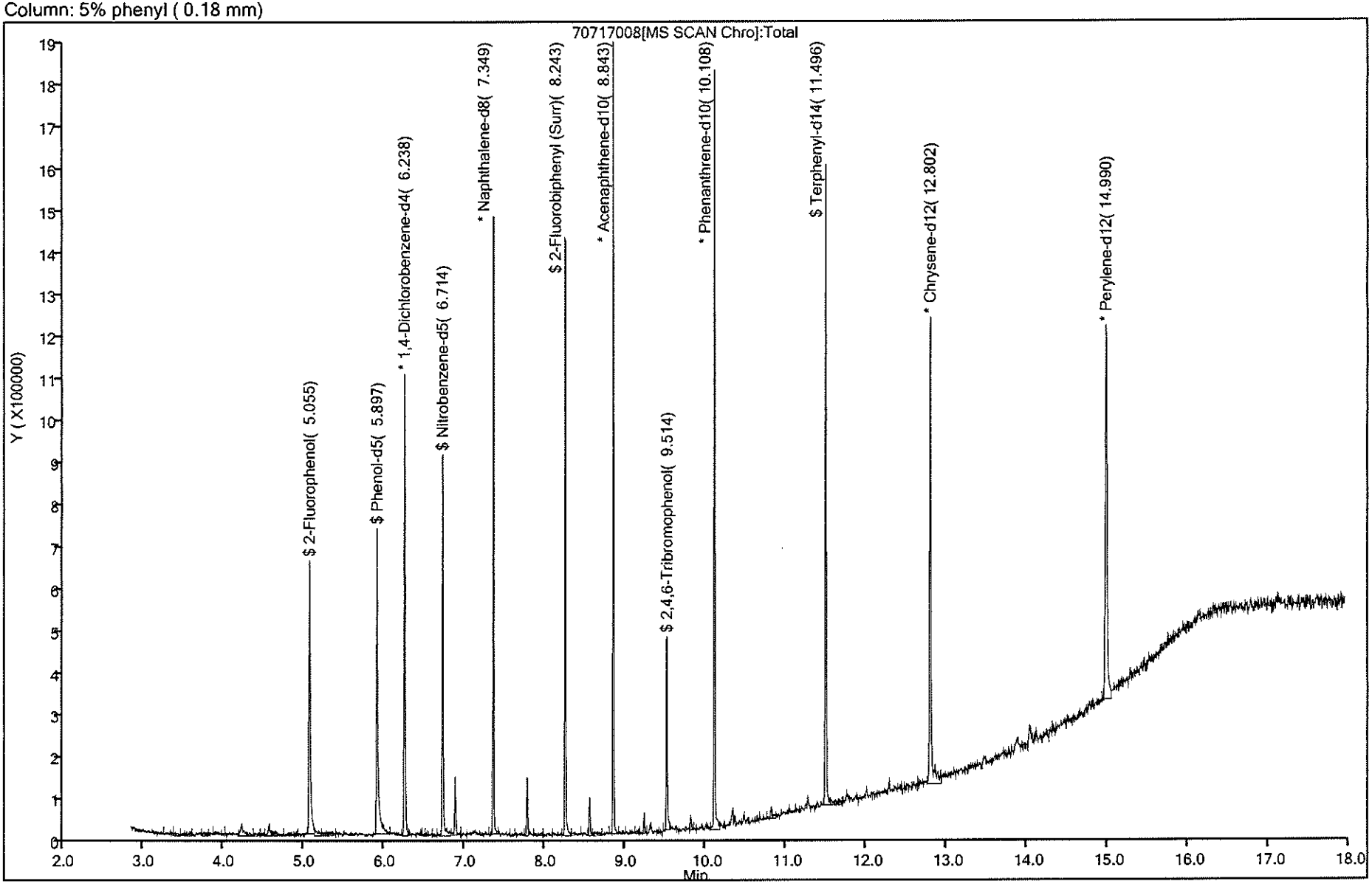
Lims ID: bnasur130 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 5.0000 ALS Bottle#: 8

Method: 8270_hp7 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Report Date: 17-Jul-2025 10:34:22 Chrom Revision: 2.3 14-Jul-2025 13:55:14

Preliminary Report

Eurofins Cleveland

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Canton\ChromData\A4HP7\20250717-157026.b\70717008.D

Lims ID: bnasur130 Inj. Date: 17-Jul-2025 10:07:30

Worklist ID: 240-0157026-008 Instrument: A4HP7

Method: 8270_hp7

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 3546
$ 7 2-Fluorophenol	4.00	3.96	99.1	0-0
$ 8 Phenol-d5	4.00	3.42	85.6	0-0
$ 9 Nitrobenzene-d5	4.00	3.62	90.4	0-0
$ 10 2-Fluorobiphenyl (Surr)	4.00	3.96	99.0	0-0
$ 11 2,4,6-Tribromophenol	4.00	2.93	73.1	0-0
$ 12 Terphenyl-d14	4.00	4.10	102.4	0-0

Samples for Limit Group: 1, Lims Prep Method: 3546

240-228539-B-2-J

Reagent

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exLIST1_S1_00037

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0219584

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBR4317	99%	1,007.2 µg/mL	+/- 18.6087
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,002.8 µg/mL	+/- 18.5275
3	Pyridine	110-86-1	SHBR4811	99%	2,017.3 µg/mL	+/- 37.2711
4	Phenol	108-95-2	MKCK1120	99%	1,007.3 µg/mL	+/- 18.6106
5	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 18.5755
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.7 µg/mL	+/- 18.5441
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,004.5 µg/mL	+/- 18.5589
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,002.2 µg/mL	+/- 18.5164
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,005.5 µg/mL	+/- 18.5773
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.7 µg/mL	+/- 18.5995
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,006.3 µg/mL	+/- 18.5921
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,008.4 µg/mL	+/- 18.6309
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,007.1 µg/mL	+/- 18.6069
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,003.0 µg/mL	+/- 18.5312
15	Acetophenone	98-86-2	STBH8205	99%	1,003.1 µg/mL	+/- 18.5330
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.5 µg/mL	+/- 9.2677

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	504.0	µg/mL	+/- 9.3139
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,001.0	µg/mL	+/- 18.4942
19	Hexachloroethane	67-72-1	DAXRI	99%	1,002.5	µg/mL	+/- 18.5219
20	Nitrobenzene	98-95-3	10224044	99%	1,001.2	µg/mL	+/- 18.4979
21	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 18.5607
22	2-Nitrophenol	88-75-5	RP230710	99%	1,001.7	µg/mL	+/- 18.5071
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.8	µg/mL	+/- 18.5644
24	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,007.1	µg/mL	+/- 18.6069
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 18.5626
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,003.4	µg/mL	+/- 18.5385
27	Naphthalene	91-20-3	STBL1057	99%	1,008.6	µg/mL	+/- 18.6346
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.7	µg/mL	+/- 18.5256
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,002.6	µg/mL	+/- 18.5238
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,001.8	µg/mL	+/- 18.5082
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,007.2	µg/mL	+/- 18.6087
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 18.4757
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 18.4756
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,002.5	µg/mL	+/- 18.5219
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.5	µg/mL	+/- 18.5027
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,007.8	µg/mL	+/- 18.6198
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,009.3	µg/mL	+/- 18.6473
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.0	µg/mL	+/- 18.5496
39	Biphenyl	92-52-4	MKCS5928	99%	1,007.2	µg/mL	+/- 18.6087
40	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,002.1	µg/mL	+/- 18.5145
41	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 18.4756
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.3	µg/mL	+/- 18.6106
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,001.1	µg/mL	+/- 18.4960
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.3	µg/mL	+/- 18.5367
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,002.8	µg/mL	+/- 18.5275
46	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 18.4757
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,000.8	µg/mL	+/- 36.9662
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 18.5755
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,009.5	µg/mL	+/- 37.1270
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,001.9	µg/mL	+/- 18.5108
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.7	µg/mL	+/- 18.5810
52	Fluorene	86-73-7	10246250	98%	1,006.9	µg/mL	+/- 18.6023

53	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	1,003.0	µg/mL	+/- 18.5312
54	Diethylphthalate	84-66-2	BCCJ6241	99%	1,007.4	µg/mL	+/- 18.6124
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,007.2	µg/mL	+/- 18.6087
56	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,006.2	µg/mL	+/- 18.5903
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	2,017.3	µg/mL	+/- 37.2711
58	Diphenylamine	122-39-4	MKCT1512	99%	853.6	µg/mL	+/- 15.7745
59	Azobenzene	103-33-3	BCCK0887	99%	1,002.3	µg/mL	+/- 18.5182
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,001.3	µg/mL	+/- 18.4997
61	Hexachlorobenzene	118-74-1	15458400	99%	1,002.2	µg/mL	+/- 18.5164
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,005.4	µg/mL	+/- 37.0512
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,002.5	µg/mL	+/- 18.5219
64	Phenanthrene	85-01-8	MKCT3391	99%	1,002.7	µg/mL	+/- 18.5256
65	Anthracene	120-12-7	101492T18R	99%	1,008.5	µg/mL	+/- 18.6328
66	Carbazole	86-74-8	14872900	99%	1,006.3	µg/mL	+/- 18.5921
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,003.5	µg/mL	+/- 18.5404
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.6	µg/mL	+/- 18.5422
69	Pyrene	129-00-0	BCCK2592	99%	1,003.7	µg/mL	+/- 18.5441
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.6	µg/mL	+/- 18.5792
71	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.8	µg/mL	+/- 18.5829
72	Chrysene	218-01-9	RP241007RSR	99%	1,002.8	µg/mL	+/- 18.5275
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,001.8	µg/mL	+/- 18.5090
74	Di-n-octyl phthalate	117-84-0	15566400	99%	1,004.8	µg/mL	+/- 18.5644
75	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,001.3	µg/mL	+/- 18.4997
76	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,001.0	µg/mL	+/- 18.4937
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,008.4	µg/mL	+/- 18.6313
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,005.8	µg/mL	+/- 18.5828
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.0	µg/mL	+/- 18.5496
80	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.9	µg/mL	+/- 18.5842

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

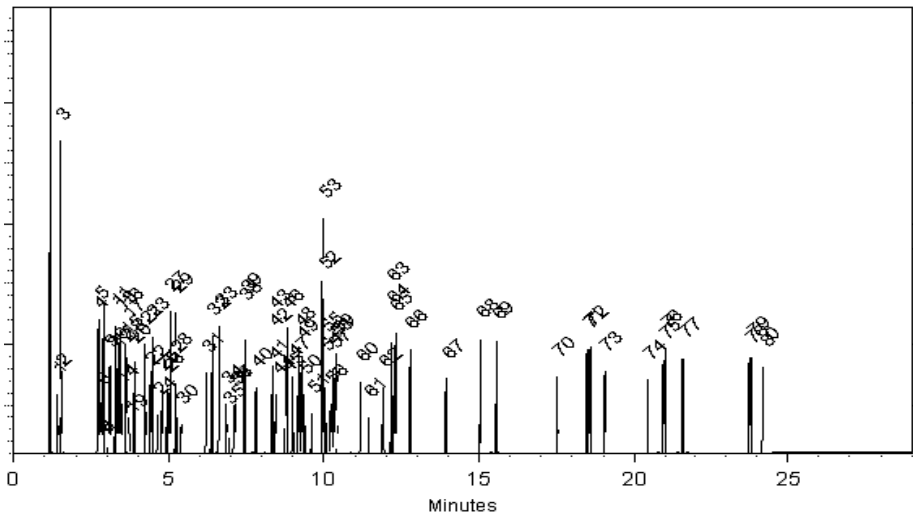
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 26-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 17-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

EXLIST1_S10_00029

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0209261

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD230927	99%	2,019.6 µg/mL	+/- 113.4524
2	Benzoic acid	65-85-0	MKCR2694	99%	2,012.5 µg/mL	+/- 113.0554

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

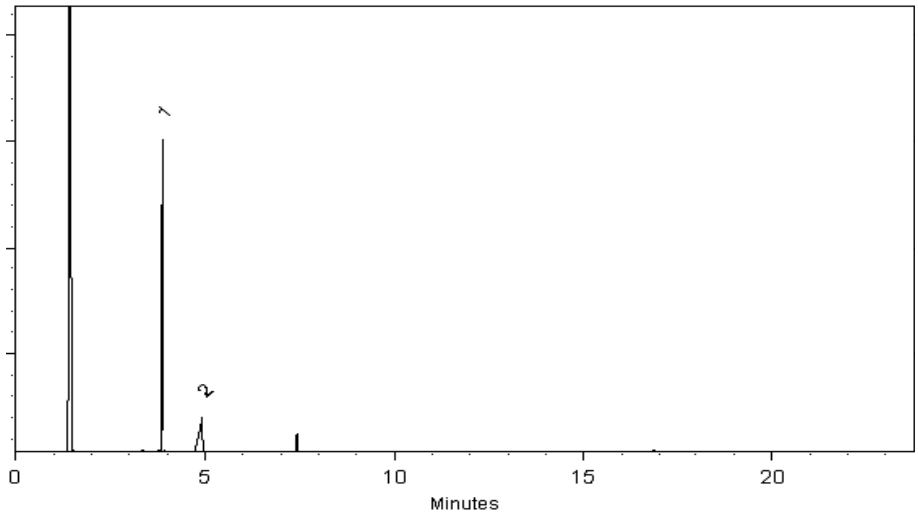
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 20-Mar-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-Mar-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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exLIST1_S9_00034

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0211034

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S240206RSR	99%	2,003.9 µg/mL	+/- 37.0230
2	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	2,019.9 µg/mL	+/- 37.3187

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

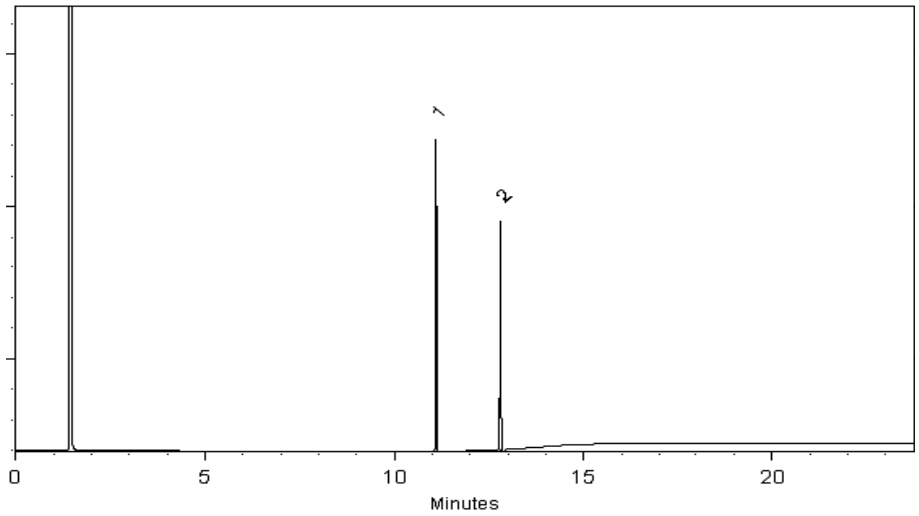
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-May-2024 **Balance Serial #** 1122030677

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 07-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A0215854

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	5,049.5 µg/mL	+/- 152.6869
2	Phenol-d5	4165-62-2	GH-100	99%	5,025.8 µg/mL	+/- 151.9687
3	Nitrobenzene-d5	4165-60-0	PR-33424A	99%	5,038.3 µg/mL	+/- 152.3467
4	2-Fluorobiphenyl	321-60-8	00021384	99%	5,031.9 µg/mL	+/- 152.1539
5	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	5,043.1 µg/mL	+/- 152.4941
6	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,039.0 µg/mL	+/- 152.3694

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

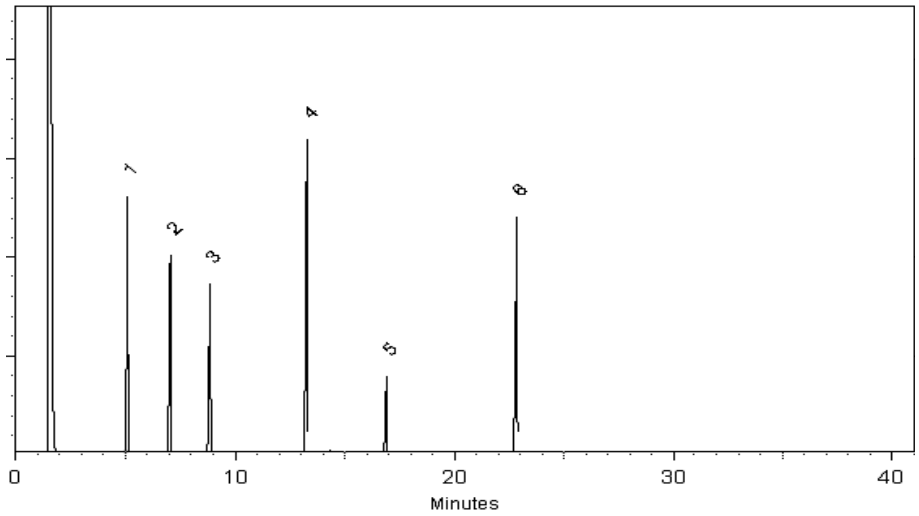
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 29-Aug-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Sep-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667 **Lot No.:** A0223314

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8	STBJ3945	99%	1,002.7 µg/mL	+/- 18.5650
2	N-Nitrosomethylethylamine	10595-95-6	SL240628	99%	1,000.7 µg/mL	+/- 18.5280
3	Acrylamide	79-06-1	01402JA	99%	1,001.3 µg/mL	+/- 18.5403
4	N-Nitrosodiethylamine	55-18-5	UT2EJ	99%	1,002.0 µg/mL	+/- 18.5527
5	N-Nitrosopyrrolidine	930-55-2	711999842-6-1	99%	1,001.3 µg/mL	+/- 18.5403
6	o-Toluidine	95-53-4	03417PZ	99%	1,005.3 µg/mL	+/- 18.6144
7	N-Nitrosomorpholine	59-89-2	GOJNI	99%	1,002.0 µg/mL	+/- 18.5527
8	N-Nitrosopiperidine	100-75-4	15849500	99%	1,004.0 µg/mL	+/- 18.5897
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8	RP250317RSR	99%	1,003.3 µg/mL	+/- 18.5774
10	Quinoline	91-22-5	IFJEH	99%	1,002.0 µg/mL	+/- 18.5527
11	N-Nitrosodi-n-butylamine	924-16-3	7BSAG	99%	1,003.3 µg/mL	+/- 18.5774
12	1,4-Phenylenediamine	106-50-3	15834600	99%	1,005.3 µg/mL	+/- 18.6144
13	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,001.3 µg/mL	+/- 18.5403
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7	WRJNI	99%	1,000.0 µg/mL	+/- 18.5156
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8	825404	99%	1,001.3 µg/mL	+/- 18.5403

16	5-Nitro-o-toluidine	99-55-8	H67GL	99%	1,005.3	µg/mL	+/-	18.6144
17	1,3,5-Trinitrobenzene	99-35-4	A6TDK	99%	1,002.0	µg/mL	+/-	18.5527
18	Phenacetin	62-44-2	317935/11192	99%	1,002.0	µg/mL	+/-	18.5527
19	4-Aminobiphenyl	92-67-1	SLCD6545	99%	1,002.7	µg/mL	+/-	18.5650
20	Propyzamide	23950-58-5	15574800	99%	1,002.0	µg/mL	+/-	18.5527
21	Pentachloronitrobenzene (quintozene)	82-68-8	15781900	98%	1,009.4	µg/mL	+/-	18.6897
22	4-Nitroquinoline-N-oxide	56-57-5	WXBF2413V	97%	997.8	µg/mL	+/-	18.4750
23	p-Dimethylaminoazobenzene	60-11-7	BCBP8840V	98%	1,004.2	µg/mL	+/-	18.5929
24	3,3'-Dimethylbenzidine (o-tolidine)	119-93-7	RP241008RSR	99%	1,000.0	µg/mL	+/-	18.5156
25	2-Acetylaminofluorene	53-96-3	WZDQE	99%	1,002.0	µg/mL	+/-	18.5527
26	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	RP230106	97%	997.8	µg/mL	+/-	18.4750
27	Dibenz(a,h)acridine	226-36-8	012016	99%	1,002.0	µg/mL	+/-	18.5527

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

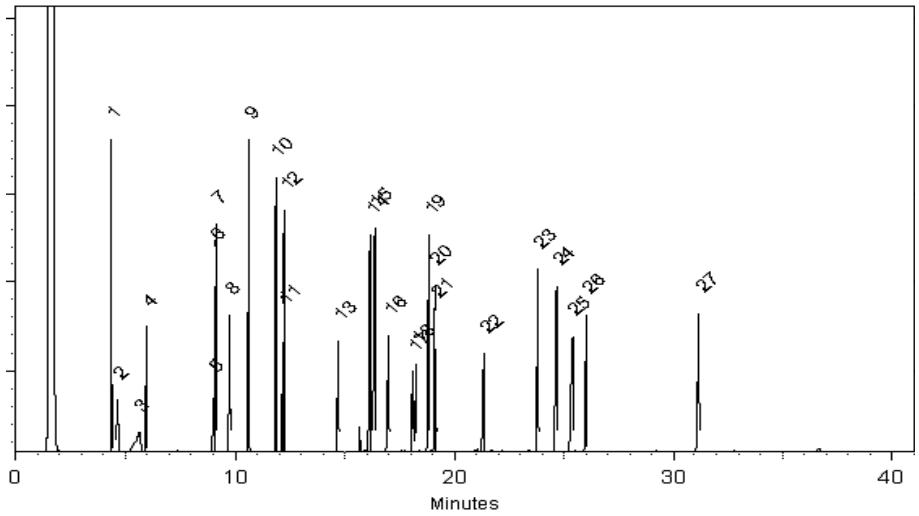
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 13-Mar-2025 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Mar-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733 **Lot No.:** A0223205

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3	MKCT0680	99%	1,004.0 µg/mL	+/- 23.0304
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,002.5 µg/mL	+/- 22.9960
3	Pentachloroethane	76-01-7	15627600	97%	1,004.0 µg/mL	+/- 23.0292
4	Hexachloropropene	1888-71-7	14690500	99%	1,004.5 µg/mL	+/- 23.0418
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,002.0 µg/mL	+/- 22.9847
6	1-Chloronaphthalene	90-13-1	TXRHO	98%	1,001.1 µg/mL	+/- 22.9632
7	1,4-Naphthoquinone	130-15-4	13230700	99%	1,002.0 µg/mL	+/- 22.9845
8	Pentachlorobenzene	608-93-5	MKCS7191	99%	1,004.0 µg/mL	+/- 23.0304
9	2,3,5,6-Tetrachlorophenol	935-95-5	RP250122ECS	99%	1,003.0 µg/mL	+/- 23.0074
10	Dinoseb	88-85-7	S241122RSR-1	98%	1,009.9 µg/mL	+/- 23.1655
11	Isodrin	465-73-6	15745200	98%	1,001.1 µg/mL	+/- 22.9632
12	Chlorobenzilate	510-15-6	15268200	98%	1,001.6 µg/mL	+/- 22.9744
13	7,12-Dimethylbenz(a)anthracene	57-97-6	GZ3DM	99%	1,003.5 µg/mL	+/- 23.0189

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

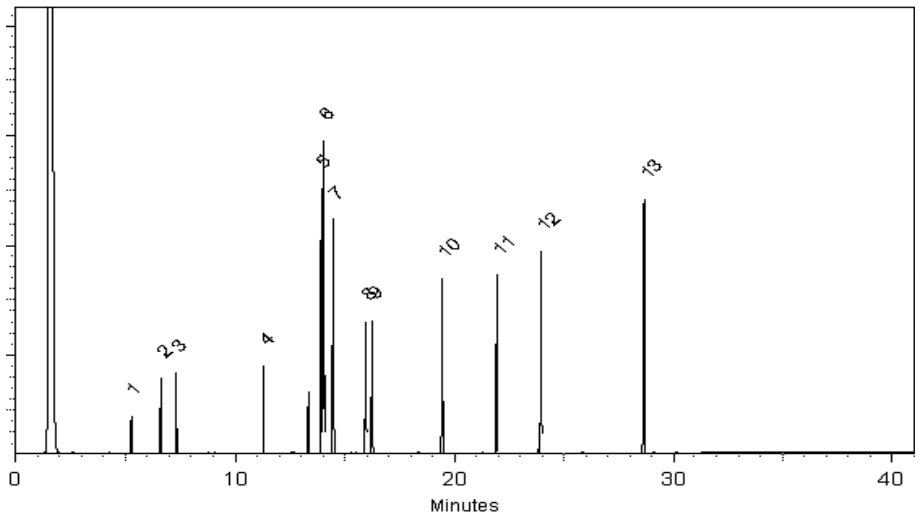
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 11-Mar-2025 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Mar-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

---

exLIST2_S3_00020



Reference Standard Data Pack

8270 List 2 / Std #3

Catalog # 567680

Lot # A0220331

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567680 **Lot No.:** A0220331

Description : 8270 List 2 / Std #3

8270 List 2 / Std #3 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	6-Methylchrysene	1705-85-7	P60507-1024	99%	2,002.0 µg/mL	+/- 90.1854
2	3-Methylcholanthrene	56-49-5	P68278-0327	95%	2,002.6 µg/mL	+/- 90.2125

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

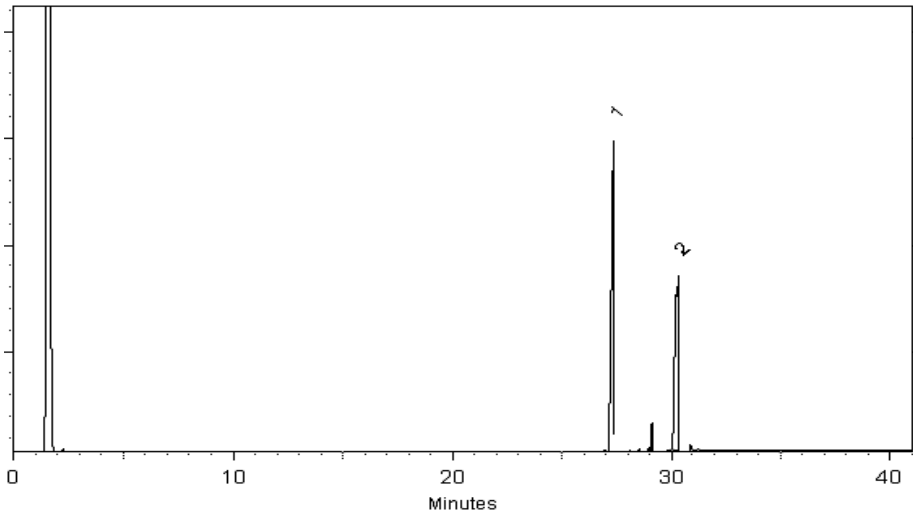
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 19-Dec-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 07-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0220331

Catalog #: 567680	**Target:** 2,000 ug/mL	
Description: 8270 List 2 / Std #3		
Solvent: Methylene chloride	**Solvent Lot:** 242215	**Final Volume:** 150 ml

Made by: Laith Clemente	**Date:** 12/19/2024 7:24:22AM		
Tested by: Alicia Leathers	**Date:** 12/20/2024 10:06:38AM		
Pass	**By:** Brittany Federinko	**Date:** 1/7/2025 10:22:10AM	
Packaged by: Laith Clemente / Laith Clemente	**Date:** 12/19/2024 10:22:55.	**No. Units:** 100	**Pkg Size:** 1 mL
Balance Used: BEDE001735 XP205	**Serial #:** 1128360905		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
3-Methylcholanthrene	56-49-5	R0696	P68278-0327	0.95	2,000.00	315.79 mg	316.20 mg	2,002.6
6-Methylchrysene	1705-85-7	R0960	P60507-1024	0.99	2,000.00	300.00 mg	300.30 mg	2,002.0

QA Report: 8270 List 2 / Std #3 (Cat.#567680)

COMPONENT	Runs of Lot # A0209368 (Cat#567680.SEC) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0220331 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
6-Methylchrysene	5274974	5286955	5398430	5320120	68083	1.28	5340384	5316823	5284103	5313770	28264	0.53	0.12	PASS
3-Methylcholanthrene	4852456	4869896	4963943	4895432	59970	1.23	4966181	4942834	4913725	4940913	26281	0.53	-0.93	PASS

Reagent

exLIST2_S3_00021

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567680 **Lot No.:** A0220331

Description : 8270 List 2 / Std #3

8270 List 2 / Std #3 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	6-Methylchrysene	1705-85-7	P60507-1024	99%	2,002.0 µg/mL	+/- 90.1854
2	3-Methylcholanthrene	56-49-5	P68278-0327	95%	2,002.6 µg/mL	+/- 90.2125

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

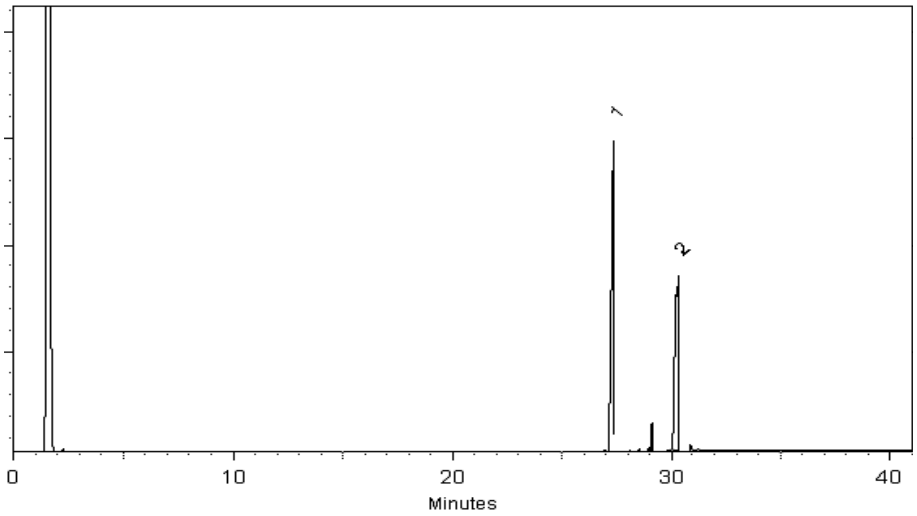
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 19-Dec-2024 **Balance Serial #** 1128360905

Brittany Federinko - Operations Tech I

Date Passed: 07-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

exLIST2_S4_00012

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681 **Lot No.:** A0222255

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1	2-KRR-57-1	98%	1,009.1 µg/mL	+/- 46.0572
2	Safrole	94-59-7	322225/11292	99%	1,007.3 µg/mL	+/- 45.9778
3	Zinophos (thionazine)	297-97-2	15755700	99%	1,003.0 µg/mL	+/- 45.7800
4	Sulfotepp	3689-24-5	15843500	97%	1,005.6 µg/mL	+/- 45.8971
5	Diallate (cis and trans) 74% cis-Diallate; 26% trans-Diallate	2303-16-4	14687600	99%	1,001.7 µg/mL	+/- 45.7191
6	Phorate	298-02-2	15904100	99%	1,008.7 µg/mL	+/- 46.0386
7	Dimethoate	60-51-5	15924900	99%	1,004.0 µg/mL	+/- 45.8256
8	Disulfoton	298-04-4	15536400	99%	1,007.7 µg/mL	+/- 45.9930
9	Methyl parathion	298-00-0	15930400	99%	1,007.3 µg/mL	+/- 45.9778
10	Parathion (Ethyl parathion)	56-38-2	15860000	99%	1,003.3 µg/mL	+/- 45.7952
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8	15464900	99%	1,008.3 µg/mL	+/- 46.0234
12	Famphur	52-85-7	15822900	98%	1,002.2 µg/mL	+/- 45.7441

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

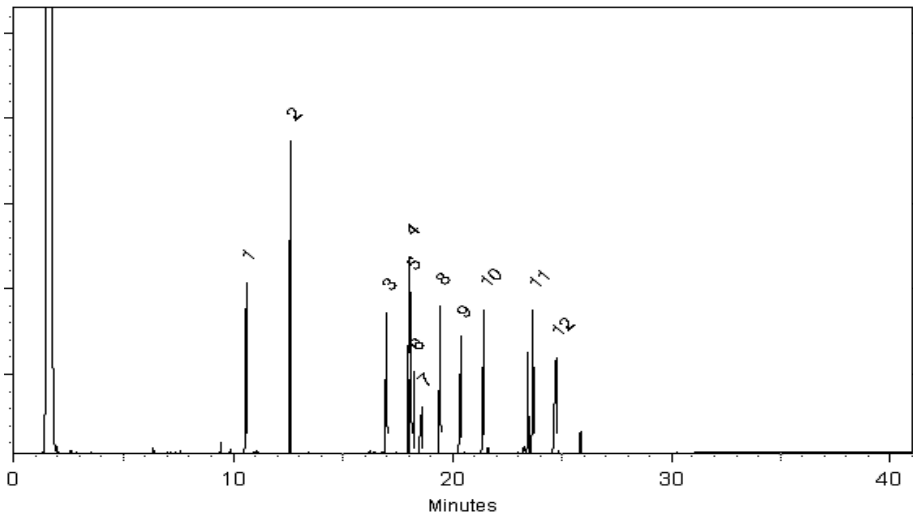
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 13-Feb-2025 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 19-Feb-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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exLIST2_S5_00017

RESTEK
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567682 **Lot No.:** A0219575

Description : 8270 List 2 / Std #5 Methapyrilene

8270 List 2 / Std #5 Methapyrilene 2,000µg/mL, Methylene chloride, 1mL/ampul
*The reported compound masses are for Methapyrilene HCl. Purity is adjusted to correct for the HCl salt. The reported concentration is of Methapyrilene.

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methapyrilene hydrochloride	135-23-9	1-KYM-158-2	87%	2,006.2 µg/mL	+/- 37.1464

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
*The reported compound masses are for Methapyrilene HCl. Purity is adjusted to correct for the HCl salt. The reported concentration is of Methapyrilene, CAS # 91-80-5

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

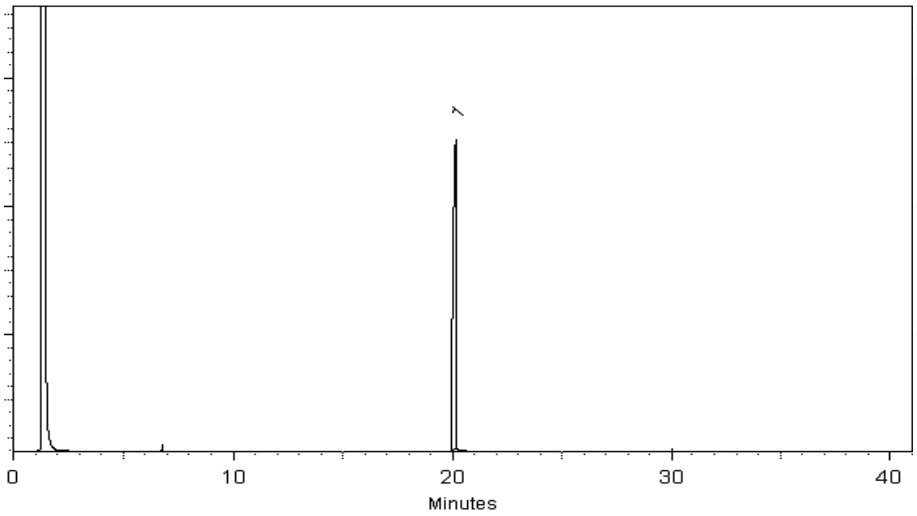
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tyler Brown - Lead Analytical Dev Lab Specialist

Date Mixed: 26-Nov-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

EXLIST2spike_00045

LABORATORY STANDARDS DOCUMENTATION FORM FOR EUROFINS ENVIRONMENT TESTING NORTH CENTRAL, LLC

Standard No.: 7579615
ID: EXLIST2spike_00045
Exp: 12/16/25 Prpd: BMB Crt: 06/16/25
List 2 8270 Spike 20ppm

Standard Name:

Date Created: 6-16-25

Extractionist Initials: BB

Extractionist Comments: Please confirm new spike

Please return copy of chromatogram and recovery results

Date Analyzed: 6/23/25

Passed?: Yes [X] No [ ]

Returned copy of chromatogram and recovery page to Extractions?: Yes [X] No [ ]

Analyst Initials: MV

Analyst Comments:

Report Date: 24-Jun-2025 10:12:46 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Preliminary Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250623-156108.b\250623015.D
Injection Date: 23-Jun-2025 13:37:10 Instrument ID: A4AG3 Operator ID:
Lims ID: 2spk045 Worklist Smp#: 15
Client ID:
Injection Vol: 5.0 ul Dil. Factor: 5.0000 ALS Bottle#: 15
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Column: 5% phenyl (0.18 mm)

Report Date: 24-Jun-2025 10:11:59 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Preliminary Report

Eurofins Cleveland

LCS, Lab Control Sample Report

Sample Path: \\chromfs\Canton\ChromData\A4AG3\20250623-156108.b\250623015.D

Lims ID: 2spk045 Inj. Date: 23-Jun-2025 13:37:10

Worklist ID: 240-0156108-015 Instrument: A4AG3

Method: LVI AG3 8270

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 3510C_LVI
18 2-Picoline	400.0	354.1	88.5	34-120
19 N-Nitrosomethylethylami	400.0	371.1	92.8	37-120
22 Methyl methanesulfonate	400.0	353.9	88.5	10-120
23 N-Nitrosodiethylamine	400.0	380.0	95.0	43-120
24 Ethyl methanesulfonate	400.0	383.3	95.8	29-120
28 Pentachloroethane	400.0	372.1	93.0	10-120
43 N-Nitrosopyrrolidine	400.0	384.1	96.0	42-122
44 N-Nitrosomorpholine	400.0	385.2	96.3	39-120
47 2-Toluidine	400.0	358.8	89.7	10-135
52 N-Nitrosopiperidine	400.0	373.7	93.4	41-120
56 o,o',o"-Triethylphosph	400.0	380.3	95.1	39-121
59 alpha,alpha-Dimethyl ph	400.0	549.6	137.4	31-143
67 Hexachloropropane	400.0	338.5	84.6	20-120
69 Quinoline	400.0	395.0	98.8	10-146
70 N-Nitrosodi-n-butylamin	400.0	388.0	97.0	46-127
71 p-Phenylene diamine	400.0	190.6	47.6	10-120
81 Safrole, Total	400.0	390.4	97.6	41-120
75 Isosafrole Peak 1	64.0	56.3	87.9	47-120
87 Isosafrole Peak 2	336.0	308.6	91.9	47-120
92 1,4-Naphthoquinone	400.0	399.0	99.7	10-133
93 1,4-Dinitrobenzene	400.0	306.5	76.6	41-136
103 Pentachlorobenzene	400.0	368.3	92.1	46-120
106 1-Naphthylamine	400.0	292.7	73.2	10-120
109 2-Naphthylamine	400.0	352.2	88.1	10-120
112 Thionazin	400.0	339.7	84.9	48-138
113 N-Nitro-o-toluidine	400.0	306.8	76.7	50-128
122 Sulfotepp	400.0	343.2	85.8	46-133
123 1,3,5-Trinitrobenzene	400.0	358.8	89.7	44-137
124 Phenacetin	400.0	323.4	80.9	47-139
125 Diallate Peak 1	340.0	282.3	83.0	40-133
126 Phorate	400.0	375.9	94.0	43-131
127 Diallate Peak 2	60.0	90.7	151.1	40-133*
129 Dimethoate	400.0	333.1	83.3	10-159
132 4-Aminobiphenyl	400.0	314.2	78.6	13-122
134 Pronamide	400.0	342.0	85.5	54-137
136 Pentachloronitrobenzene	400.0	332.7	83.2	54-135
137 Disulfoton	400.0	348.9	87.2	38-127
138 Dinoseb	400.0	359.6	89.9	28-151
143 Methyl parathion	400.0	315.0	78.8	47-140
145 Ethyl Parathion	400.0	288.1	72.0	46-136
146 4-Nitroquinoline-1-oxid	400.0	296.9	74.2	16-130

Report Date: 24-Jun-2025 10:11:59 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Preliminary Report

Sample Path: \\chromfs\Canton\ChromData\A4AG3\20250623-156108.b\250623015.D

Compound	Amount Added	Amount Recovered	%Rec	Limits 1 3510C_LVI
147 Methapyrilene	800.0	552.5	69.1	30-120
148 Isodrin	400.0	379.4	94.8	43-124
152 Aramite Peak 1	184.0	150.7	81.9	36-150
153 Aramite Peak 2	196.0	171.5	87.5	36-150
154 p-Dimethylamino azobenz	400.0	324.6	81.1	58-120
155 Chlorobenzilate	400.0	336.1	84.0	25-147
156 Famphur	400.0	406.2	101.6	10-199
158 3,3'-Dimethylbenzidine	400.0	292.4	73.1	10-129
160 2-Acetylaminofluorene	400.0	308.8	77.2	48-147
161 4,4'-Methylene bis(2-ch	400.0	288.9	72.2	55-126
166 6-Methylchrysene	800.0	723.3	90.4	51-124
168 7,12-Dimethylbenz(a)ant	400.0	339.9	85.0	42-120
172 3-Methylcholanthrene	800.0	523.1	65.4	10-156
174 Dibenz[a,h]acridine	400.0	317.7	79.4	53-133
S 199 Isosafrole	400.0	364.9	91.2	46-120
S 200 Diallate	400.0	373.0	93.2	46-128
S 201 Aramite, Total	400.0	322.2	80.6	30-156

Samples for Limit Group: 1, Lims Prep Method: 3510C_LVI

240-226717-D-2-A	240-226717-D-3-A	240-226717-D-4-A
240-226717-D-7-A	240-226717-D-9-A	240-226717-D-5-A
240-226717-E-6-A	240-226717-E-1-A	240-226717-E-8-A
240-226441-D-7-A	240-227123-F-22-A	240-227123-F-23-A
240-227129-E-1-A	240-227129-E-2-A	240-227129-F-3-A
240-227129-F-4-A	240-227141-E-1-A	240-227141-E-2-A
240-227141-C-3-A	240-227141-E-4-A	240-227153-A-1-A

Reagent

SMDFTPPR_00022

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

9/17/2025
1:48:31 PM

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0200028

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230504	99%	1,001.0 µg/mL	+/- 44.7338
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	95%	1,000.7 µg/mL	+/- 44.7189
3	Benzidine	92-87-5	S221205RSR	99%	1,001.0 µg/mL	+/- 44.7338
4	4,4'-DDT	50-29-3	230410JLMA	98%	1,000.9 µg/mL	+/- 44.7296

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Page 214 of 1340

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

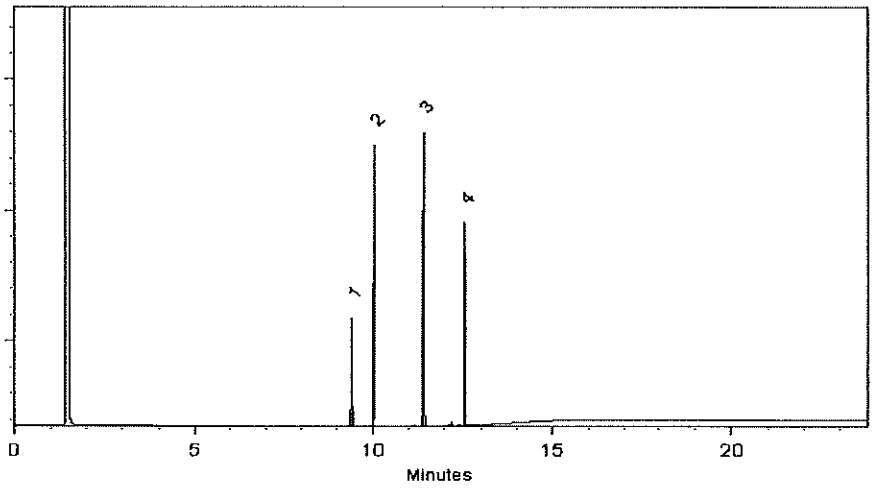
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 18-Jul-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 24-Jul-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

SMIS R_00020

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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chromatographic plus

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567684 **Lot No.:** A0218138

Description : 8270 Internal Standard

8270 Internal Standard 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,002.4 µg/mL	+/- 90.1893
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,013.2 µg/mL	+/- 90.6757
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,017.2 µg/mL	+/- 90.8559
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,014.6 µg/mL	+/- 90.7388
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,009.6 µg/mL	+/- 90.5136
6	Perylene-d12	1520-96-3	PR-33205	99%	2,002.2 µg/mL	+/- 90.1803

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

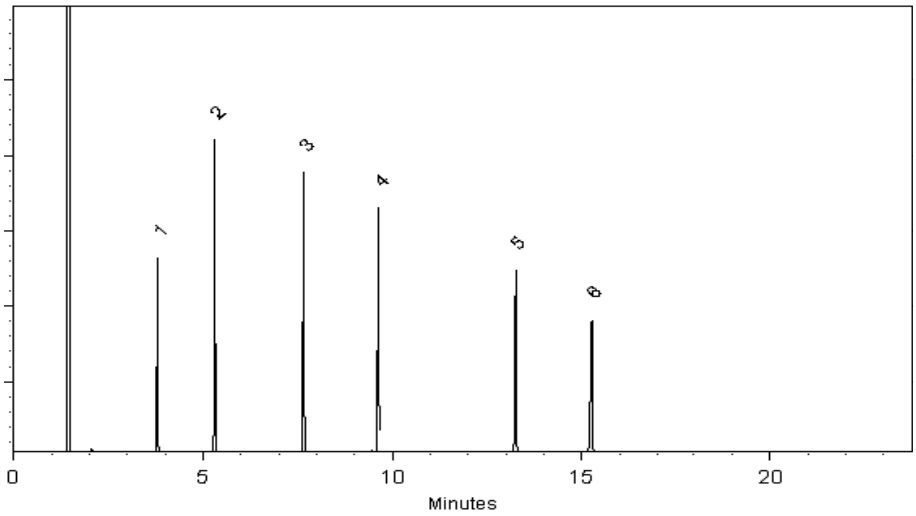
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ven Kelley - Operations Tech I

Date Mixed: 21-Oct-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

SMLIST1 PAH_00017



Reference Standard Data Pack

8270 List 1 / Std #1 MegaMix (2017)

Catalog # 571995

Lot # A0219584

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

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RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0219584

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBR4317	99%	1,007.2 µg/mL	+/- 18.6087
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,002.8 µg/mL	+/- 18.5275
3	Pyridine	110-86-1	SHBR4811	99%	2,017.3 µg/mL	+/- 37.2711
4	Phenol	108-95-2	MKCK1120	99%	1,007.3 µg/mL	+/- 18.6106
5	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 18.5755
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.7 µg/mL	+/- 18.5441
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,004.5 µg/mL	+/- 18.5589
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,002.2 µg/mL	+/- 18.5164
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,005.5 µg/mL	+/- 18.5773
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.7 µg/mL	+/- 18.5995
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,006.3 µg/mL	+/- 18.5921
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,008.4 µg/mL	+/- 18.6309
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,007.1 µg/mL	+/- 18.6069
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,003.0 µg/mL	+/- 18.5312
15	Acetophenone	98-86-2	STBH8205	99%	1,003.1 µg/mL	+/- 18.5330
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.5 µg/mL	+/- 9.2677

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	504.0	µg/mL	+/- 9.3139
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,001.0	µg/mL	+/- 18.4942
19	Hexachloroethane	67-72-1	DAXRI	99%	1,002.5	µg/mL	+/- 18.5219
20	Nitrobenzene	98-95-3	10224044	99%	1,001.2	µg/mL	+/- 18.4979
21	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 18.5607
22	2-Nitrophenol	88-75-5	RP230710	99%	1,001.7	µg/mL	+/- 18.5071
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.8	µg/mL	+/- 18.5644
24	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,007.1	µg/mL	+/- 18.6069
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 18.5626
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,003.4	µg/mL	+/- 18.5385
27	Naphthalene	91-20-3	STBL1057	99%	1,008.6	µg/mL	+/- 18.6346
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.7	µg/mL	+/- 18.5256
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,002.6	µg/mL	+/- 18.5238
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,001.8	µg/mL	+/- 18.5082
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,007.2	µg/mL	+/- 18.6087
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 18.4757
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 18.4756
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,002.5	µg/mL	+/- 18.5219
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.5	µg/mL	+/- 18.5027
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,007.8	µg/mL	+/- 18.6198
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,009.3	µg/mL	+/- 18.6473
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.0	µg/mL	+/- 18.5496
39	Biphenyl	92-52-4	MKCS5928	99%	1,007.2	µg/mL	+/- 18.6087
40	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,002.1	µg/mL	+/- 18.5145
41	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 18.4756
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.3	µg/mL	+/- 18.6106
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,001.1	µg/mL	+/- 18.4960
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.3	µg/mL	+/- 18.5367
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,002.8	µg/mL	+/- 18.5275
46	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 18.4757
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,000.8	µg/mL	+/- 36.9662
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 18.5755
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,009.5	µg/mL	+/- 37.1270
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,001.9	µg/mL	+/- 18.5108
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.7	µg/mL	+/- 18.5810
52	Fluorene	86-73-7	10246250	98%	1,006.9	µg/mL	+/- 18.6023

53	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	1,003.0	µg/mL	+/- 18.5312
54	Diethylphthalate	84-66-2	BCCJ6241	99%	1,007.4	µg/mL	+/- 18.6124
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,007.2	µg/mL	+/- 18.6087
56	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,006.2	µg/mL	+/- 18.5903
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	2,017.3	µg/mL	+/- 37.2711
58	Diphenylamine	122-39-4	MKCT1512	99%	853.6	µg/mL	+/- 15.7745
59	Azobenzene	103-33-3	BCCK0887	99%	1,002.3	µg/mL	+/- 18.5182
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,001.3	µg/mL	+/- 18.4997
61	Hexachlorobenzene	118-74-1	15458400	99%	1,002.2	µg/mL	+/- 18.5164
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,005.4	µg/mL	+/- 37.0512
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,002.5	µg/mL	+/- 18.5219
64	Phenanthrene	85-01-8	MKCT3391	99%	1,002.7	µg/mL	+/- 18.5256
65	Anthracene	120-12-7	101492T18R	99%	1,008.5	µg/mL	+/- 18.6328
66	Carbazole	86-74-8	14872900	99%	1,006.3	µg/mL	+/- 18.5921
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,003.5	µg/mL	+/- 18.5404
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.6	µg/mL	+/- 18.5422
69	Pyrene	129-00-0	BCCK2592	99%	1,003.7	µg/mL	+/- 18.5441
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.6	µg/mL	+/- 18.5792
71	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.8	µg/mL	+/- 18.5829
72	Chrysene	218-01-9	RP241007RSR	99%	1,002.8	µg/mL	+/- 18.5275
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,001.8	µg/mL	+/- 18.5090
74	Di-n-octyl phthalate	117-84-0	15566400	99%	1,004.8	µg/mL	+/- 18.5644
75	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,001.3	µg/mL	+/- 18.4997
76	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,001.0	µg/mL	+/- 18.4937
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,008.4	µg/mL	+/- 18.6313
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,005.8	µg/mL	+/- 18.5828
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.0	µg/mL	+/- 18.5496
80	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.9	µg/mL	+/- 18.5842

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

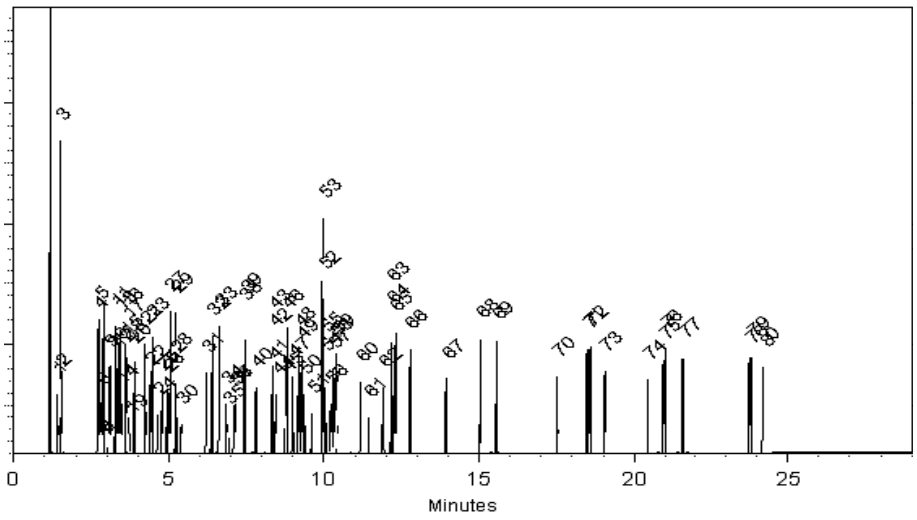
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 26-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 17-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0219584

Catalog #: 571995	**Target:** 500-2,000 ug/mL	
Description: 8270 List 1 / Std #1 MegaMix (2017)		
Solvent: Methylene chloride	**Solvent Lot:** 243834	**Final Volume:** 1,000 ml

Made by: Morgan Craighead	**Date:** 12/4/2024 9:47:56PM			
Tested by: Alicia Leathers	**Date:** 12/5/2024 7:05:38AM			
Pass	**By:** Dillan Murphy		**Date:** 12/17/2024 5:04:09PM	
Packaged by: Richard Zimmerman / Sam Moodler	**Date:** 12/5/2024 6:35:46AM	**No. Units:** 158	**Pkg Size:**	5 mL
Balance Used: BEDE001735 XP205	**Serial #:** 1128360905			

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
N-Nitrosodimethylamine	62-75-9	CAL012	S231113RSR	0.99	1,000.00	1,000.00 mg	1,002.80 mg	1,002.8
Pyridine	110-86-1	F0049	SHBR4811	0.99	2,000.00	2,000.00 mg	2,017.30 mg	2,017.3
Bis(2-chloroethoxy)methane	111-91-1	R0253	15174900	0.99	1,000.00	1,000.00 mg	1,007.10 mg	1,007.1
4-Bromophenyl phenyl ether	101-55-3	R0254	STBH6361	0.99	1,000.00	1,000.00 mg	1,001.30 mg	1,001.3
4-Chlorophenyl phenyl ether	7005-72-3	R0255	MKCT7248	0.99	1,000.00	1,000.00 mg	1,007.20 mg	1,007.2
2,4-Dimethylphenol	105-67-9	R0256	XW5GK	0.99	1,000.00	1,000.00 mg	1,004.80 mg	1,004.8
2-Nitrophenol	88-75-5	R0263	RP230710	0.99	1,000.00	1,000.00 mg	1,001.70 mg	1,001.7
Benz(a)anthracene	56-55-3	R0469	I70012022BAA	0.99	1,000.00	1,000.00 mg	1,005.80 mg	1,005.8
Benzo(b)fluoranthene	205-99-2	R0470	052013B	0.99	1,000.00	1,000.00 mg	1,001.30 mg	1,001.3
Benzo(k)fluoranthene	207-08-9	R0471	012022K	0.98	1,000.00	1,020.41 mg	1,021.40 mg	1,001.0
Benzo(g,h,i)perylene	191-24-2	R0473	RP241014RSR	0.98	1,000.00	1,020.41 mg	1,026.40 mg	1,005.9
Benzo(a)pyrene	50-32-8	R0474	NQLXA	0.98	1,000.00	1,020.41 mg	1,029.00 mg	1,008.4
Benzyl butyl phthalate	85-68-7	R0475	X12I018	0.99	1,000.00	1,000.00 mg	1,005.60 mg	1,005.6
Bis(2-ethylhexyl)phthalate	117-81-7	R0479	MKCS8065	0.99	1,000.00	1,000.00 mg	1,001.80 mg	1,001.8
Carbazole	86-74-8	R0480	14872900	0.99	1,000.00	1,000.00 mg	1,006.30 mg	1,006.3
1,2-Dichlorobenzene	95-50-1	R0484	SHBL6287	0.99	1,000.00	1,000.00 mg	1,008.40 mg	1,008.4
1,3-Dichlorobenzene	541-73-1	R0485	BCCD5315	0.99	1,000.00	1,000.00 mg	1,005.50 mg	1,005.5
1,4-Dichlorobenzene	106-46-7	R0486	MKBS7929V	0.99	1,000.00	1,000.00 mg	1,006.70 mg	1,006.7
2,4-Dinitrotoluene	121-14-2	R0488	102869V26E	0.99	1,000.00	1,000.00 mg	1,001.90 mg	1,001.9
2,6-Dinitrotoluene	606-20-2	R0489	BCCG1833	0.99	1,000.00	1,000.00 mg	1,003.30 mg	1,003.3
2-Methylnaphthalene	91-57-6	R0490	STBL3028	0.99	1,000.00	1,000.00 mg	1,000.00 mg	1,000.0
2-Nitroaniline	88-74-4	R0491	RP240715RSR	0.99	1,000.00	1,000.00 mg	1,002.10 mg	1,002.1

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
3-Nitroaniline	99-09-2	R0492	RP240708RSR	0.99	1,000.00	1,000.00 mg	1,002.80 mg	1,002.8
4-Nitroaniline	100-01-6	R0493	RP240830RSR	0.99	1,000.00	1,000.00 mg	1,006.20 mg	1,006.2
4-Nitrophenol	100-02-7	R0494	20241120-1-AN	0.99	2,000.00	2,000.00 mg	2,009.50 mg	2,009.5
1,2,4-Trichlorobenzene	120-82-1	R0496	SHBP5900	0.99	1,000.00	1,000.00 mg	1,003.40 mg	1,003.4
Acenaphthylene	208-96-8	R0497	RP241029RSR	0.98	1,000.00	1,020.41 mg	1,020.40 mg	1,000.0
Anthracene	120-12-7	R0499	101492T18R	0.99	1,000.00	1,000.00 mg	1,008.50 mg	1,008.5
Pentachlorophenol	87-86-5	R0501	RP240517RSR	0.99	2,000.00	2,000.00 mg	2,005.40 mg	2,005.4
Phenanthrene	85-01-8	R0502	MKCT3391	0.99	1,000.00	1,000.00 mg	1,002.70 mg	1,002.7
Pyrene	129-00-0	R0503	BCCK2592	0.99	1,000.00	1,000.00 mg	1,003.70 mg	1,003.7
Chrysene	218-01-9	R0505	RP241007RSR	0.99	1,000.00	1,000.00 mg	1,002.80 mg	1,002.8
Dibenz(a,h)anthracene	53-70-3	R0507	2-ASA-59-1	0.99	1,000.00	1,000.00 mg	1,004.00 mg	1,004.0
Di-n-butylphthalate	84-74-2	R0508	MKCN4337	0.99	1,000.00	1,000.00 mg	1,003.50 mg	1,003.5
Fluoranthene	206-44-0	R0514	MKCQ4728	0.99	1,000.00	1,000.00 mg	1,003.60 mg	1,003.6
Fluorene	86-73-7	R0515	10246250	0.98	1,000.00	1,020.41 mg	1,027.40 mg	1,006.9
Hexachlorocyclopentadiene	77-47-4	R0517	099063I14L	0.98	1,000.00	1,020.41 mg	1,021.90 mg	1,001.5
Hexachlorobenzene	118-74-1	R0518	15458400	0.99	1,000.00	1,000.00 mg	1,002.20 mg	1,002.2
Hexachlorobutadiene	87-68-3	R0519	X05J	0.98	1,000.00	1,020.41 mg	1,022.20 mg	1,001.8
Hexachloroethane	67-72-1	R0520	DAXRI	0.99	1,000.00	1,000.00 mg	1,002.50 mg	1,002.5
Indeno(1,2,3-cd)pyrene	193-39-5	R0521	12-JKL-118-9	0.97	1,000.00	1,030.93 mg	1,036.90 mg	1,005.8
Naphthalene	91-20-3	R0524	STBL1057	0.99	1,000.00	1,000.00 mg	1,008.60 mg	1,008.6
Nitrobenzene	98-95-3	R0525	10224044	0.99	1,000.00	1,000.00 mg	1,001.20 mg	1,001.2
N-Nitroso-di-n-propylamine	621-64-7	R0527	N63MG	0.99	1,000.00	1,000.00 mg	1,001.00 mg	1,001.0
2,3,4,6-Tetrachlorophenol	58-90-2	R0528	PR-34476	0.99	1,000.00	1,000.00 mg	1,005.70 mg	1,005.7
n-Decane (C10)	124-18-5	R0531	SHBQ1342	0.99	1,000.00	1,000.00 mg	1,004.50 mg	1,004.5
Acenaphthene	83-32-9	R0537	MKCR7169	0.99	1,000.00	1,000.00 mg	1,000.00 mg	1,000.0
2,6-Dichlorophenol	87-65-0	R0548	MKCS9444	0.99	1,000.00	1,000.00 mg	1,002.70 mg	1,002.7
n-Octadecane (C18)	593-45-3	R0549	UE5NG	0.99	1,000.00	1,000.00 mg	1,002.50 mg	1,002.5
1,2,4,5-Tetrachlorobenzene	95-94-3	R0555	MKCT9480	0.99	1,000.00	1,000.00 mg	1,002.50 mg	1,002.5
Acetophenone	98-86-2	R0561	STBH8205	0.99	1,000.00	1,000.00 mg	1,003.10 mg	1,003.1
Biphenyl	92-52-4	R0562	MKCS5928	0.99	1,000.00	1,000.00 mg	1,007.20 mg	1,007.2

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
n-Hexadecane (C16)	544-76-3	R0563	SHBR0669	0.99	1,000.00	1,000.00 mg	1,003.00 mg	1,003.0
1-Methylnaphthalene	90-12-0	R0571	5234.00-8	0.98	1,000.00	1,020.41 mg	1,020.40 mg	1,000.0
1,4-Dioxane	123-91-1	R0581	SHBR4317	0.99	1,000.00	1,000.00 mg	1,007.20 mg	1,007.2
Benzyl alcohol	100-51-6	R0606	SHBK5469	0.99	1,000.00	1,000.00 mg	1,006.30 mg	1,006.3
Bis(2-chloroethyl)ether	111-44-4	R0607	002891T24M	0.99	1,000.00	1,000.00 mg	1,003.70 mg	1,003.7
2,2'-oxybis(1-chloropropane)	108-60-1	R0608	29-MAR-45-5	0.99	1,000.00	1,000.00 mg	1,003.00 mg	1,003.0
4-Chloroaniline	106-47-8	R0609	BCCJ3217	0.99	1,000.00	1,000.00 mg	1,002.60 mg	1,002.6
4-Chloro-3-methylphenol	59-50-7	R0610	BCCD4461	0.99	1,000.00	1,000.00 mg	1,007.20 mg	1,007.2
2-Chloronaphthalene	91-58-7	R0611	RPN7O	0.99	1,000.00	1,000.00 mg	1,004.00 mg	1,004.0
2-Chlorophenol	95-57-8	R0612	STBJ3909	0.99	1,000.00	1,000.00 mg	1,002.20 mg	1,002.2
2,4-Dichlorophenol	120-83-2	R0614	BCCK6969	0.99	1,000.00	1,000.00 mg	1,004.70 mg	1,004.7
4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	R0615	S241008RSR	0.99	2,000.00	2,000.00 mg	2,017.30 mg	2,017.3
2,4-Dinitrophenol	51-28-5	R0616	D240927RSR	0.99	2,000.00	2,000.00 mg	2,000.80 mg	2,000.8
2-Methylphenol (o-cresol)	95-48-7	R0617	SHBN7598	0.99	1,000.00	1,000.00 mg	1,007.10 mg	1,007.1
4-Methylphenol (p-cresol)	106-44-5	R0618	SHBN3411	0.99	500.00	500.00 mg	504.00 mg	504.0
2,4,5-Trichlorophenol	95-95-4	R0620	3YFRE	0.97	1,000.00	1,030.93 mg	1,040.50 mg	1,009.3
2,4,6-Trichlorophenol	88-06-2	R0621	STBK8870	0.99	1,000.00	1,000.00 mg	1,007.80 mg	1,007.8
Phenol	108-95-2	R0627	MKCK1120	0.99	1,000.00	1,000.00 mg	1,007.30 mg	1,007.3
Dibenzofuran	132-64-9	R0630	MKCN1772	0.99	1,000.00	1,000.00 mg	1,005.40 mg	1,005.4
Diethylphthalate	84-66-2	R0631	BCCJ6241	0.99	1,000.00	1,000.00 mg	1,007.40 mg	1,007.4
Dimethylphthalate	131-11-3	R0632	358221L17K	0.99	1,000.00	1,000.00 mg	1,001.10 mg	1,001.1
Di-n-octyl phthalate	117-84-0	R0633	15566400	0.99	1,000.00	1,000.00 mg	1,004.80 mg	1,004.8
Isophorone	78-59-1	R0636	MKCR3249	0.99	1,000.00	1,000.00 mg	1,004.60 mg	1,004.6
Azobenzene	103-33-3	R0645	BCCK0887	0.99	1,000.00	1,000.00 mg	1,002.30 mg	1,002.3
Aniline	62-53-3	R0647	X22F726	0.99	1,000.00	1,000.00 mg	1,005.40 mg	1,005.4
3-Methylphenol (m-cresol)	108-39-4	R0648	STBL3873	0.99	500.00	500.00 mg	501.50 mg	501.5
1,3-Dinitrobenzene	99-65-0	R0690	TRC3-1075941-2-1	0.99	1,000.00	1,000.00 mg	1,007.30 mg	1,007.3
Diphenylamine	122-39-4	R0691	MKCT1512	0.99	850.00	850.00 mg	853.60 mg	853.6

QA Report: 8270 List 1 / Std #1 MegaMix (2017) (Cat.#571995)

COMPONENT	Runs of Lot # A0219584 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0219885 (Cat# 571995.SEC) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
1,4-Dioxane	77102	78989	77954	78015	945	1.21	75306	75411	75549	75422	122	0.16	3.32	PASS
N-Nitrosodimethylamine & Pyridine	453990	466311	459343	459881	6178	1.34	456156	455664	456983	456268	667	0.15	0.79	PASS
Phenol	190727	195750	192768	193082	2526	1.31	193710	193142	193645	193499	311	0.16	-0.22	PASS
Aniline	202260	207693	204479	204811	2732	1.33	201998	201356	201860	201738	338	0.17	1.50	PASS
Bis(2-chloroethyl)ether	69265	70996	69939	70067	873	1.25	68738	68628	68832	68733	102	0.15	1.90	PASS
n-Decane (C10) & 2-Chlorophenol	359269	368485	363371	363708	4617	1.27	357000	356883	357641	357175	408	0.11	1.80	PASS
1,3-Dichlorobenzene	134467	138042	136118	136209	1789	1.31	134904	134851	135123	134959	144	0.11	0.92	PASS
1,4-Dichlorobenzene	135182	138727	136726	136878	1777	1.30	134564	134477	134800	134614	167	0.12	1.65	PASS
Benzyl alcohol	205774	211478	208020	208424	2873	1.38	207977	207000	207462	207480	489	0.24	0.45	PASS
1,2-Dichlorobenzene	137179	140788	138754	138907	1809	1.30	135757	135559	135865	135727	155	0.11	2.29	PASS
2-Methylphenol (o-cresol)	201143	206619	203266	203676	2761	1.36	201585	200687	201211	201161	451	0.22	1.23	PASS
2,2'-oxybis(1-chloropropane)	94623	97118	95662	95801	1253	1.31	94753	94469	94708	94643	153	0.16	1.21	PASS
Acetophenone & 3-Methylphenol (m-cresol) & 4-Methylphenol (p-cresol)	396084	407287	399835	401069	5702	1.42	398036	395398	396864	396766	1322	0.33	1.07	PASS
N-Nitroso-di-n-propylamine	147843	151471	149697	149670	1814	1.21	147448	147022	146783	147084	337	0.23	1.73	PASS
Hexachloroethane	33307	34108	33657	33691	402	1.19	32956	33000	33053	33003	49	0.15	2.04	PASS
Nitrobenzene	155001	159067	156599	156889	2048	1.31	157490	156546	157087	157041	474	0.30	-0.10	PASS
Isophorone	197573	202936	199583	200031	2709	1.35	197165	195642	195906	196238	814	0.41	1.90	PASS
2-Nitrophenol	122163	125394	123592	123716	1619	1.31	123533	122858	123068	123153	345	0.28	0.46	PASS
2,4-Dimethylphenol	204691	210220	206970	207294	2779	1.34	205599	204446	204850	204965	585	0.29	1.12	PASS
Bis(2-chloroethoxy)methane	66396	68269	66922	67196	966	1.44	66697	66356	66494	66516	172	0.26	1.01	PASS
2,4-Dichlorophenol	114158	117214	115278	115550	1546	1.34	114475	113892	114212	114193	292	0.26	1.17	PASS
1,2,4-Trichlorobenzene	113030	115939	114232	114400	1462	1.28	113650	113143	113370	113388	254	0.22	0.89	PASS
Naphthalene	263451	270527	266154	266711	3571	1.34	263335	261913	262470	262573	717	0.27	1.55	PASS
2,6-Dichlorophenol & 4-Chloroaniline	267982	275172	270864	271339	3618	1.33	270207	268292	268849	269116	985	0.37	0.82	PASS
Hexachlorobutadiene	54373	55792	55007	55057	711	1.29	54941	54836	55091	54956	128	0.23	0.18	PASS
4-Chloro-3-methylphenol	157001	161001	158444	158815	2026	1.28	156852	155591	155766	156070	683	0.44	1.73	PASS
2-Methylnaphthalene	240491	246859	242938	243429	3212	1.32	261200	259265	259660	260042	1022	0.39	-6.82	PASS
1-Methylnaphthalene	259440	266214	262091	262582	3414	1.30	257563	255609	256050	256407	1025	0.40	2.35	PASS
1,2,4,5-Tetrachlorobenzene	99565	102131	100519	100738	1297	1.29	98725	97884	98568	98392	447	0.45	2.33	PASS
Hexachlorocyclopentadiene	59977	61410	60400	60596	736	1.22	56346	55929	56420	56232	265	0.47	7.20	PASS
2,4,6-Trichlorophenol	98057	100500	99112	99223	1225	1.23	97059	96294	96313	96555	436	0.45	2.69	PASS
2,4,5-Trichlorophenol	98780	101171	99800	99917	1200	1.20	98598	97836	97931	98122	415	0.42	1.80	PASS
2-Chloronaphthalene & Biphenyl	483467	495705	488387	489186	6158	1.26	484574	480645	481016	482078	2169	0.45	1.45	PASS
2-Nitroaniline	142418	144857	144077	143784	1246	0.87	142266	141358	141438	141687	503	0.35	1.46	PASS
Acenaphthylene & 1,3-Dinitrobenzene & Dimethylphthalate	520413	529503	526156	525357	4597	0.88	527178	523759	524043	524993	1897	0.36	0.07	PASS
2,6-Dinitrotoluene	124339	126165	125658	125387	943	0.75	125847	125146	125268	125420	375	0.30	-0.03	PASS
3-Nitroaniline	143075	144837	144178	144030	890	0.62	142030	141757	141226	141671	409	0.29	1.64	PASS
Acenaphthene	268856	274270	272410	271845	2751	1.01	269258	266857	268085	268067	1201	0.45	1.39	PASS

2,4-Dinitrophenol	179392	180756	183406	181185	2041	1.13	182823	180614	180710	181382	1249	0.69	-0.11	PASS
Dibenzofuran	235494	239554	238309	237786	2080	0.87	234792	233071	233149	233671	972	0.42	1.73	PASS
4-Nitrophenol	257446	259247	261519	259404	2041	0.79	255544	255174	256376	255698	616	0.24	1.43	PASS
2,4-Dinitrotoluene	129819	130771	131629	130740	905	0.69	127410	127120	127499	127343	198	0.16	2.60	PASS
2,3,4,6-Tetrachlorophenol	86604	87841	87606	87350	657	0.75	86834	86148	86233	86405	374	0.43	1.08	PASS
Fluorene & n-Hexadecane (C16)	518721	529274	524194	524063	5278	1.01	516609	513126	513529	514421	1905	0.37	1.84	PASS
Diethylphthalate & 4-Chlorophenyl phenyl ether	345760	350649	349569	348659	2568	0.74	344125	342144	342401	342890	1077	0.31	1.65	PASS
4-Nitroaniline	140105	140895	142161	141054	1037	0.74	139227	139260	139982	139490	427	0.31	1.11	PASS
4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	218100	219442	221231	219591	1571	0.72	212393	213649	214660	213567	1136	0.53	2.74	PASS
Diphenylamine	212873	216744	217242	215620	2392	1.11	212415	211845	212343	212201	310	0.15	1.59	PASS
Azobenzene	217994	219691	218600	218762	860	0.39	219140	217510	217316	217989	1002	0.46	0.35	PASS
4-Bromophenyl phenyl ether	157476	159211	159195	158627	997	0.63	157667	156981	157174	157274	354	0.22	0.85	PASS
Hexachlorobenzene	80480	81184	81417	81027	488	0.60	80237	79922	80066	80075	158	0.20	1.17	PASS
Pentachlorophenol	164764	165872	167698	166111	1482	0.89	154870	155159	155922	155317	544	0.35	6.50	PASS
n-Octadecane (C18) & Phenanthrene	523263	529979	529284	527509	3693	0.70	523000	520737	521896	521878	1132	0.22	1.07	PASS
Anthracene	279242	280476	282969	280896	1899	0.68	277209	276981	278229	277473	665	0.24	1.22	PASS
Carbazole	249058	250078	252657	250598	1855	0.74	248860	248873	250536	249423	964	0.39	0.47	PASS
Di-n-butylphthalate	164042	164364	166390	164932	1273	0.77	173700	173859	174927	174162	667	0.38	-5.60	PASS
Fluoranthene	274295	276165	278052	276171	1879	0.68	275739	275485	277510	276245	1103	0.40	-0.03	PASS
Pyrene	277240	279355	281217	279271	1990	0.71	275562	274945	277079	275862	1098	0.40	1.22	PASS
Benzyl butyl phthalate	175538	177554	177922	177005	1283	0.73	183629	182863	184366	183619	752	0.41	-3.74	PASS
Benz(a)anthracene	273735	277575	277009	276106	2073	0.75	273510	272820	274255	273528	718	0.26	0.93	PASS
Chrysene	270017	273841	273257	272372	2060	0.76	269665	269015	270296	269659	641	0.24	1.00	PASS
Bis(2-ethylhexyl)phthalate	192638	195056	195249	194314	1455	0.75	197303	196307	197910	197173	809	0.41	-1.47	PASS
Di-n-octyl phthalate	177237	179859	179260	178785	1374	0.77	185791	185195	186195	185727	503	0.27	-3.88	PASS
Benzo(b)fluoranthene	268417	272342	272056	270938	2188	0.81	272025	271219	271928	271724	440	0.16	-0.29	PASS
Benzo(k)fluoranthene	275469	279433	278642	277848	2098	0.76	270763	270524	271084	270790	281	0.10	2.54	PASS
Benzo(a)pyrene	267244	271150	270418	269604	2076	0.77	266567	265957	266591	266372	359	0.13	1.20	PASS
Indeno(1,2,3-cd)pyrene	279406	283567	283326	282100	2336	0.83	258833	261064	263150	261016	2159	0.83	7.47	PASS
Dibenz(a,h)anthracene	268357	272037	271374	270589	1961	0.72	264629	264804	265815	265083	640	0.24	2.04	PASS
Benzo(g,h,i)perylene	267578	270935	270585	269699	1845	0.68	245280	255799	259613	253564	7423	2.93	5.98	PASS

Reagent

SMLIST1 S1_00018



Reference Standard Data Pack

8270 List 1 / Std #1 MegaMix (2017)

Catalog # 571995

Lot # A0219584

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0219584

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBR4317	99%	1,007.2 µg/mL	+/- 18.6087
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,002.8 µg/mL	+/- 18.5275
3	Pyridine	110-86-1	SHBR4811	99%	2,017.3 µg/mL	+/- 37.2711
4	Phenol	108-95-2	MKCK1120	99%	1,007.3 µg/mL	+/- 18.6106
5	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 18.5755
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.7 µg/mL	+/- 18.5441
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,004.5 µg/mL	+/- 18.5589
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,002.2 µg/mL	+/- 18.5164
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,005.5 µg/mL	+/- 18.5773
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.7 µg/mL	+/- 18.5995
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,006.3 µg/mL	+/- 18.5921
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,008.4 µg/mL	+/- 18.6309
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,007.1 µg/mL	+/- 18.6069
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,003.0 µg/mL	+/- 18.5312
15	Acetophenone	98-86-2	STBH8205	99%	1,003.1 µg/mL	+/- 18.5330
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.5 µg/mL	+/- 9.2677

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	504.0	µg/mL	+/- 9.3139
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,001.0	µg/mL	+/- 18.4942
19	Hexachloroethane	67-72-1	DAXRI	99%	1,002.5	µg/mL	+/- 18.5219
20	Nitrobenzene	98-95-3	10224044	99%	1,001.2	µg/mL	+/- 18.4979
21	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 18.5607
22	2-Nitrophenol	88-75-5	RP230710	99%	1,001.7	µg/mL	+/- 18.5071
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,004.8	µg/mL	+/- 18.5644
24	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,007.1	µg/mL	+/- 18.6069
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 18.5626
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,003.4	µg/mL	+/- 18.5385
27	Naphthalene	91-20-3	STBL1057	99%	1,008.6	µg/mL	+/- 18.6346
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.7	µg/mL	+/- 18.5256
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,002.6	µg/mL	+/- 18.5238
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,001.8	µg/mL	+/- 18.5082
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,007.2	µg/mL	+/- 18.6087
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 18.4757
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 18.4756
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,002.5	µg/mL	+/- 18.5219
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.5	µg/mL	+/- 18.5027
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,007.8	µg/mL	+/- 18.6198
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,009.3	µg/mL	+/- 18.6473
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.0	µg/mL	+/- 18.5496
39	Biphenyl	92-52-4	MKCS5928	99%	1,007.2	µg/mL	+/- 18.6087
40	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,002.1	µg/mL	+/- 18.5145
41	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 18.4756
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.3	µg/mL	+/- 18.6106
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,001.1	µg/mL	+/- 18.4960
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.3	µg/mL	+/- 18.5367
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,002.8	µg/mL	+/- 18.5275
46	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 18.4757
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,000.8	µg/mL	+/- 36.9662
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 18.5755
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,009.5	µg/mL	+/- 37.1270
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,001.9	µg/mL	+/- 18.5108
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.7	µg/mL	+/- 18.5810
52	Fluorene	86-73-7	10246250	98%	1,006.9	µg/mL	+/- 18.6023

53	n-Hexadecane (C16)	544-76-3	SHBR0669	99%	1,003.0	µg/mL	+/- 18.5312
54	Diethylphthalate	84-66-2	BCCJ6241	99%	1,007.4	µg/mL	+/- 18.6124
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,007.2	µg/mL	+/- 18.6087
56	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,006.2	µg/mL	+/- 18.5903
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	2,017.3	µg/mL	+/- 37.2711
58	Diphenylamine	122-39-4	MKCT1512	99%	853.6	µg/mL	+/- 15.7745
59	Azobenzene	103-33-3	BCCK0887	99%	1,002.3	µg/mL	+/- 18.5182
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,001.3	µg/mL	+/- 18.4997
61	Hexachlorobenzene	118-74-1	15458400	99%	1,002.2	µg/mL	+/- 18.5164
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,005.4	µg/mL	+/- 37.0512
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,002.5	µg/mL	+/- 18.5219
64	Phenanthrene	85-01-8	MKCT3391	99%	1,002.7	µg/mL	+/- 18.5256
65	Anthracene	120-12-7	101492T18R	99%	1,008.5	µg/mL	+/- 18.6328
66	Carbazole	86-74-8	14872900	99%	1,006.3	µg/mL	+/- 18.5921
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,003.5	µg/mL	+/- 18.5404
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.6	µg/mL	+/- 18.5422
69	Pyrene	129-00-0	BCCK2592	99%	1,003.7	µg/mL	+/- 18.5441
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.6	µg/mL	+/- 18.5792
71	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.8	µg/mL	+/- 18.5829
72	Chrysene	218-01-9	RP241007RSR	99%	1,002.8	µg/mL	+/- 18.5275
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,001.8	µg/mL	+/- 18.5090
74	Di-n-octyl phthalate	117-84-0	15566400	99%	1,004.8	µg/mL	+/- 18.5644
75	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,001.3	µg/mL	+/- 18.4997
76	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,001.0	µg/mL	+/- 18.4937
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,008.4	µg/mL	+/- 18.6313
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,005.8	µg/mL	+/- 18.5828
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.0	µg/mL	+/- 18.5496
80	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.9	µg/mL	+/- 18.5842

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

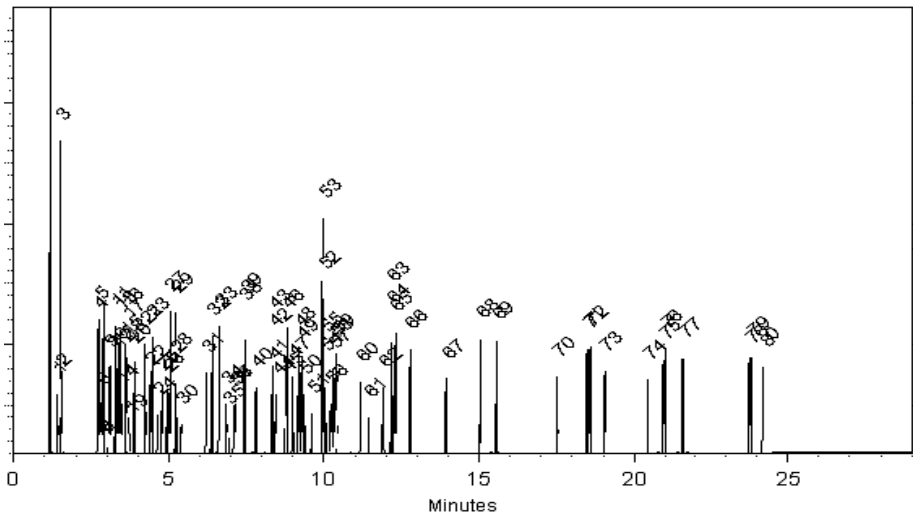
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 26-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 17-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0219584

Catalog #: 571995	**Target:** 500-2,000 ug/mL	
Description: 8270 List 1 / Std #1 MegaMix (2017)		
Solvent: Methylene chloride	**Solvent Lot:** 243834	**Final Volume:** 1,000 ml

Made by: Morgan Craighead	**Date:** 12/4/2024 9:47:56PM			
Tested by: Alicia Leathers	**Date:** 12/5/2024 7:05:38AM			
Pass	**By:** Dillan Murphy		**Date:** 12/17/2024 5:04:09PM	
Packaged by: Richard Zimmerman / Sam Moodler	**Date:** 12/5/2024 6:35:46AM	**No. Units:** 158	**Pkg Size:**	5 mL
Balance Used: BEDE001735 XP205	**Serial #:** 1128360905			

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
N-Nitrosodimethylamine	62-75-9	CAL012	S231113RSR	0.99	1,000.00	1,000.00 mg	1,002.80 mg	1,002.8
Pyridine	110-86-1	F0049	SHBR4811	0.99	2,000.00	2,000.00 mg	2,017.30 mg	2,017.3
Bis(2-chloroethoxy)methane	111-91-1	R0253	15174900	0.99	1,000.00	1,000.00 mg	1,007.10 mg	1,007.1
4-Bromophenyl phenyl ether	101-55-3	R0254	STBH6361	0.99	1,000.00	1,000.00 mg	1,001.30 mg	1,001.3
4-Chlorophenyl phenyl ether	7005-72-3	R0255	MKCT7248	0.99	1,000.00	1,000.00 mg	1,007.20 mg	1,007.2
2,4-Dimethylphenol	105-67-9	R0256	XW5GK	0.99	1,000.00	1,000.00 mg	1,004.80 mg	1,004.8
2-Nitrophenol	88-75-5	R0263	RP230710	0.99	1,000.00	1,000.00 mg	1,001.70 mg	1,001.7
Benz(a)anthracene	56-55-3	R0469	I70012022BAA	0.99	1,000.00	1,000.00 mg	1,005.80 mg	1,005.8
Benzo(b)fluoranthene	205-99-2	R0470	052013B	0.99	1,000.00	1,000.00 mg	1,001.30 mg	1,001.3
Benzo(k)fluoranthene	207-08-9	R0471	012022K	0.98	1,000.00	1,020.41 mg	1,021.40 mg	1,001.0
Benzo(g,h,i)perylene	191-24-2	R0473	RP241014RSR	0.98	1,000.00	1,020.41 mg	1,026.40 mg	1,005.9
Benzo(a)pyrene	50-32-8	R0474	NQLXA	0.98	1,000.00	1,020.41 mg	1,029.00 mg	1,008.4
Benzyl butyl phthalate	85-68-7	R0475	X12I018	0.99	1,000.00	1,000.00 mg	1,005.60 mg	1,005.6
Bis(2-ethylhexyl)phthalate	117-81-7	R0479	MKCS8065	0.99	1,000.00	1,000.00 mg	1,001.80 mg	1,001.8
Carbazole	86-74-8	R0480	14872900	0.99	1,000.00	1,000.00 mg	1,006.30 mg	1,006.3
1,2-Dichlorobenzene	95-50-1	R0484	SHBL6287	0.99	1,000.00	1,000.00 mg	1,008.40 mg	1,008.4
1,3-Dichlorobenzene	541-73-1	R0485	BCCD5315	0.99	1,000.00	1,000.00 mg	1,005.50 mg	1,005.5
1,4-Dichlorobenzene	106-46-7	R0486	MKBS7929V	0.99	1,000.00	1,000.00 mg	1,006.70 mg	1,006.7
2,4-Dinitrotoluene	121-14-2	R0488	102869V26E	0.99	1,000.00	1,000.00 mg	1,001.90 mg	1,001.9
2,6-Dinitrotoluene	606-20-2	R0489	BCCG1833	0.99	1,000.00	1,000.00 mg	1,003.30 mg	1,003.3
2-Methylnaphthalene	91-57-6	R0490	STBL3028	0.99	1,000.00	1,000.00 mg	1,000.00 mg	1,000.0
2-Nitroaniline	88-74-4	R0491	RP240715RSR	0.99	1,000.00	1,000.00 mg	1,002.10 mg	1,002.1

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
3-Nitroaniline	99-09-2	R0492	RP240708RSR	0.99	1,000.00	1,000.00 mg	1,002.80 mg	1,002.8
4-Nitroaniline	100-01-6	R0493	RP240830RSR	0.99	1,000.00	1,000.00 mg	1,006.20 mg	1,006.2
4-Nitrophenol	100-02-7	R0494	20241120-1-AN	0.99	2,000.00	2,000.00 mg	2,009.50 mg	2,009.5
1,2,4-Trichlorobenzene	120-82-1	R0496	SHBP5900	0.99	1,000.00	1,000.00 mg	1,003.40 mg	1,003.4
Acenaphthylene	208-96-8	R0497	RP241029RSR	0.98	1,000.00	1,020.41 mg	1,020.40 mg	1,000.0
Anthracene	120-12-7	R0499	101492T18R	0.99	1,000.00	1,000.00 mg	1,008.50 mg	1,008.5
Pentachlorophenol	87-86-5	R0501	RP240517RSR	0.99	2,000.00	2,000.00 mg	2,005.40 mg	2,005.4
Phenanthrene	85-01-8	R0502	MKCT3391	0.99	1,000.00	1,000.00 mg	1,002.70 mg	1,002.7
Pyrene	129-00-0	R0503	BCCK2592	0.99	1,000.00	1,000.00 mg	1,003.70 mg	1,003.7
Chrysene	218-01-9	R0505	RP241007RSR	0.99	1,000.00	1,000.00 mg	1,002.80 mg	1,002.8
Dibenz(a,h)anthracene	53-70-3	R0507	2-ASA-59-1	0.99	1,000.00	1,000.00 mg	1,004.00 mg	1,004.0
Di-n-butylphthalate	84-74-2	R0508	MKCN4337	0.99	1,000.00	1,000.00 mg	1,003.50 mg	1,003.5
Fluoranthene	206-44-0	R0514	MKCQ4728	0.99	1,000.00	1,000.00 mg	1,003.60 mg	1,003.6
Fluorene	86-73-7	R0515	10246250	0.98	1,000.00	1,020.41 mg	1,027.40 mg	1,006.9
Hexachlorocyclopentadiene	77-47-4	R0517	099063I14L	0.98	1,000.00	1,020.41 mg	1,021.90 mg	1,001.5
Hexachlorobenzene	118-74-1	R0518	15458400	0.99	1,000.00	1,000.00 mg	1,002.20 mg	1,002.2
Hexachlorobutadiene	87-68-3	R0519	X05J	0.98	1,000.00	1,020.41 mg	1,022.20 mg	1,001.8
Hexachloroethane	67-72-1	R0520	DAXRI	0.99	1,000.00	1,000.00 mg	1,002.50 mg	1,002.5
Indeno(1,2,3-cd)pyrene	193-39-5	R0521	12-JKL-118-9	0.97	1,000.00	1,030.93 mg	1,036.90 mg	1,005.8
Naphthalene	91-20-3	R0524	STBL1057	0.99	1,000.00	1,000.00 mg	1,008.60 mg	1,008.6
Nitrobenzene	98-95-3	R0525	10224044	0.99	1,000.00	1,000.00 mg	1,001.20 mg	1,001.2
N-Nitroso-di-n-propylamine	621-64-7	R0527	N63MG	0.99	1,000.00	1,000.00 mg	1,001.00 mg	1,001.0
2,3,4,6-Tetrachlorophenol	58-90-2	R0528	PR-34476	0.99	1,000.00	1,000.00 mg	1,005.70 mg	1,005.7
n-Decane (C10)	124-18-5	R0531	SHBQ1342	0.99	1,000.00	1,000.00 mg	1,004.50 mg	1,004.5
Acenaphthene	83-32-9	R0537	MKCR7169	0.99	1,000.00	1,000.00 mg	1,000.00 mg	1,000.0
2,6-Dichlorophenol	87-65-0	R0548	MKCS9444	0.99	1,000.00	1,000.00 mg	1,002.70 mg	1,002.7
n-Octadecane (C18)	593-45-3	R0549	UE5NG	0.99	1,000.00	1,000.00 mg	1,002.50 mg	1,002.5
1,2,4,5-Tetrachlorobenzene	95-94-3	R0555	MKCT9480	0.99	1,000.00	1,000.00 mg	1,002.50 mg	1,002.5
Acetophenone	98-86-2	R0561	STBH8205	0.99	1,000.00	1,000.00 mg	1,003.10 mg	1,003.1
Biphenyl	92-52-4	R0562	MKCS5928	0.99	1,000.00	1,000.00 mg	1,007.20 mg	1,007.2

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
n-Hexadecane (C16)	544-76-3	R0563	SHBR0669	0.99	1,000.00	1,000.00 mg	1,003.00 mg	1,003.0
1-Methylnaphthalene	90-12-0	R0571	5234.00-8	0.98	1,000.00	1,020.41 mg	1,020.40 mg	1,000.0
1,4-Dioxane	123-91-1	R0581	SHBR4317	0.99	1,000.00	1,000.00 mg	1,007.20 mg	1,007.2
Benzyl alcohol	100-51-6	R0606	SHBK5469	0.99	1,000.00	1,000.00 mg	1,006.30 mg	1,006.3
Bis(2-chloroethyl)ether	111-44-4	R0607	002891T24M	0.99	1,000.00	1,000.00 mg	1,003.70 mg	1,003.7
2,2'-oxybis(1-chloropropane)	108-60-1	R0608	29-MAR-45-5	0.99	1,000.00	1,000.00 mg	1,003.00 mg	1,003.0
4-Chloroaniline	106-47-8	R0609	BCCJ3217	0.99	1,000.00	1,000.00 mg	1,002.60 mg	1,002.6
4-Chloro-3-methylphenol	59-50-7	R0610	BCCD4461	0.99	1,000.00	1,000.00 mg	1,007.20 mg	1,007.2
2-Chloronaphthalene	91-58-7	R0611	RPN7O	0.99	1,000.00	1,000.00 mg	1,004.00 mg	1,004.0
2-Chlorophenol	95-57-8	R0612	STBJ3909	0.99	1,000.00	1,000.00 mg	1,002.20 mg	1,002.2
2,4-Dichlorophenol	120-83-2	R0614	BCCK6969	0.99	1,000.00	1,000.00 mg	1,004.70 mg	1,004.7
4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	R0615	S241008RSR	0.99	2,000.00	2,000.00 mg	2,017.30 mg	2,017.3
2,4-Dinitrophenol	51-28-5	R0616	D240927RSR	0.99	2,000.00	2,000.00 mg	2,000.80 mg	2,000.8
2-Methylphenol (o-cresol)	95-48-7	R0617	SHBN7598	0.99	1,000.00	1,000.00 mg	1,007.10 mg	1,007.1
4-Methylphenol (p-cresol)	106-44-5	R0618	SHBN3411	0.99	500.00	500.00 mg	504.00 mg	504.0
2,4,5-Trichlorophenol	95-95-4	R0620	3YFRE	0.97	1,000.00	1,030.93 mg	1,040.50 mg	1,009.3
2,4,6-Trichlorophenol	88-06-2	R0621	STBK8870	0.99	1,000.00	1,000.00 mg	1,007.80 mg	1,007.8
Phenol	108-95-2	R0627	MKCK1120	0.99	1,000.00	1,000.00 mg	1,007.30 mg	1,007.3
Dibenzofuran	132-64-9	R0630	MKCN1772	0.99	1,000.00	1,000.00 mg	1,005.40 mg	1,005.4
Diethylphthalate	84-66-2	R0631	BCCJ6241	0.99	1,000.00	1,000.00 mg	1,007.40 mg	1,007.4
Dimethylphthalate	131-11-3	R0632	358221L17K	0.99	1,000.00	1,000.00 mg	1,001.10 mg	1,001.1
Di-n-octyl phthalate	117-84-0	R0633	15566400	0.99	1,000.00	1,000.00 mg	1,004.80 mg	1,004.8
Isophorone	78-59-1	R0636	MKCR3249	0.99	1,000.00	1,000.00 mg	1,004.60 mg	1,004.6
Azobenzene	103-33-3	R0645	BCCK0887	0.99	1,000.00	1,000.00 mg	1,002.30 mg	1,002.3
Aniline	62-53-3	R0647	X22F726	0.99	1,000.00	1,000.00 mg	1,005.40 mg	1,005.4
3-Methylphenol (m-cresol)	108-39-4	R0648	STBL3873	0.99	500.00	500.00 mg	501.50 mg	501.5
1,3-Dinitrobenzene	99-65-0	R0690	TRC3-1075941-2-1	0.99	1,000.00	1,000.00 mg	1,007.30 mg	1,007.3
Diphenylamine	122-39-4	R0691	MKCT1512	0.99	850.00	850.00 mg	853.60 mg	853.6

QA Report: 8270 List 1 / Std #1 MegaMix (2017) (Cat.#571995)

COMPONENT	Runs of Lot # A0219584 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0219885 (Cat# 571995.SEC) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
1,4-Dioxane	77102	78989	77954	78015	945	1.21	75306	75411	75549	75422	122	0.16	3.32	PASS
N-Nitrosodimethylamine & Pyridine	453990	466311	459343	459881	6178	1.34	456156	455664	456983	456268	667	0.15	0.79	PASS
Phenol	190727	195750	192768	193082	2526	1.31	193710	193142	193645	193499	311	0.16	-0.22	PASS
Aniline	202260	207693	204479	204811	2732	1.33	201998	201356	201860	201738	338	0.17	1.50	PASS
Bis(2-chloroethyl)ether	69265	70996	69939	70067	873	1.25	68738	68628	68832	68733	102	0.15	1.90	PASS
n-Decane (C10) & 2-Chlorophenol	359269	368485	363371	363708	4617	1.27	357000	356883	357641	357175	408	0.11	1.80	PASS
1,3-Dichlorobenzene	134467	138042	136118	136209	1789	1.31	134904	134851	135123	134959	144	0.11	0.92	PASS
1,4-Dichlorobenzene	135182	138727	136726	136878	1777	1.30	134564	134477	134800	134614	167	0.12	1.65	PASS
Benzyl alcohol	205774	211478	208020	208424	2873	1.38	207977	207000	207462	207480	489	0.24	0.45	PASS
1,2-Dichlorobenzene	137179	140788	138754	138907	1809	1.30	135757	135559	135865	135727	155	0.11	2.29	PASS
2-Methylphenol (o-cresol)	201143	206619	203266	203676	2761	1.36	201585	200687	201211	201161	451	0.22	1.23	PASS
2,2'-oxybis(1-chloropropane)	94623	97118	95662	95801	1253	1.31	94753	94469	94708	94643	153	0.16	1.21	PASS
Acetophenone & 3-Methylphenol (m-cresol) & 4-Methylphenol (p-cresol)	396084	407287	399835	401069	5702	1.42	398036	395398	396864	396766	1322	0.33	1.07	PASS
N-Nitroso-di-n-propylamine	147843	151471	149697	149670	1814	1.21	147448	147022	146783	147084	337	0.23	1.73	PASS
Hexachloroethane	33307	34108	33657	33691	402	1.19	32956	33000	33053	33003	49	0.15	2.04	PASS
Nitrobenzene	155001	159067	156599	156889	2048	1.31	157490	156546	157087	157041	474	0.30	-0.10	PASS
Isophorone	197573	202936	199583	200031	2709	1.35	197165	195642	195906	196238	814	0.41	1.90	PASS
2-Nitrophenol	122163	125394	123592	123716	1619	1.31	123533	122858	123068	123153	345	0.28	0.46	PASS
2,4-Dimethylphenol	204691	210220	206970	207294	2779	1.34	205599	204446	204850	204965	585	0.29	1.12	PASS
Bis(2-chloroethoxy)methane	66396	68269	66922	67196	966	1.44	66697	66356	66494	66516	172	0.26	1.01	PASS
2,4-Dichlorophenol	114158	117214	115278	115550	1546	1.34	114475	113892	114212	114193	292	0.26	1.17	PASS
1,2,4-Trichlorobenzene	113030	115939	114232	114400	1462	1.28	113650	113143	113370	113388	254	0.22	0.89	PASS
Naphthalene	263451	270527	266154	266711	3571	1.34	263335	261913	262470	262573	717	0.27	1.55	PASS
2,6-Dichlorophenol & 4-Chloroaniline	267982	275172	270864	271339	3618	1.33	270207	268292	268849	269116	985	0.37	0.82	PASS
Hexachlorobutadiene	54373	55792	55007	55057	711	1.29	54941	54836	55091	54956	128	0.23	0.18	PASS
4-Chloro-3-methylphenol	157001	161001	158444	158815	2026	1.28	156852	155591	155766	156070	683	0.44	1.73	PASS
2-Methylnaphthalene	240491	246859	242938	243429	3212	1.32	261200	259265	259660	260042	1022	0.39	-6.82	PASS
1-Methylnaphthalene	259440	266214	262091	262582	3414	1.30	257563	255609	256050	256407	1025	0.40	2.35	PASS
1,2,4,5-Tetrachlorobenzene	99565	102131	100519	100738	1297	1.29	98725	97884	98568	98392	447	0.45	2.33	PASS
Hexachlorocyclopentadiene	59977	61410	60400	60596	736	1.22	56346	55929	56420	56232	265	0.47	7.20	PASS
2,4,6-Trichlorophenol	98057	100500	99112	99223	1225	1.23	97059	96294	96313	96555	436	0.45	2.69	PASS
2,4,5-Trichlorophenol	98780	101171	99800	99917	1200	1.20	98598	97836	97931	98122	415	0.42	1.80	PASS
2-Chloronaphthalene & Biphenyl	483467	495705	488387	489186	6158	1.26	484574	480645	481016	482078	2169	0.45	1.45	PASS
2-Nitroaniline	142418	144857	144077	143784	1246	0.87	142266	141358	141438	141687	503	0.35	1.46	PASS
Acenaphthylene & 1,3-Dinitrobenzene & Dimethylphthalate	520413	529503	526156	525357	4597	0.88	527178	523759	524043	524993	1897	0.36	0.07	PASS
2,6-Dinitrotoluene	124339	126165	125658	125387	943	0.75	125847	125146	125268	125420	375	0.30	-0.03	PASS
3-Nitroaniline	143075	144837	144178	144030	890	0.62	142030	141757	141226	141671	409	0.29	1.64	PASS
Acenaphthene	268856	274270	272410	271845	2751	1.01	269258	266857	268085	268067	1201	0.45	1.39	PASS

2,4-Dinitrophenol	179392	180756	183406	181185	2041	1.13	182823	180614	180710	181382	1249	0.69	-0.11	PASS
Dibenzofuran	235494	239554	238309	237786	2080	0.87	234792	233071	233149	233671	972	0.42	1.73	PASS
4-Nitrophenol	257446	259247	261519	259404	2041	0.79	255544	255174	256376	255698	616	0.24	1.43	PASS
2,4-Dinitrotoluene	129819	130771	131629	130740	905	0.69	127410	127120	127499	127343	198	0.16	2.60	PASS
2,3,4,6-Tetrachlorophenol	86604	87841	87606	87350	657	0.75	86834	86148	86233	86405	374	0.43	1.08	PASS
Fluorene & n-Hexadecane (C16)	518721	529274	524194	524063	5278	1.01	516609	513126	513529	514421	1905	0.37	1.84	PASS
Diethylphthalate & 4-Chlorophenyl phenyl ether	345760	350649	349569	348659	2568	0.74	344125	342144	342401	342890	1077	0.31	1.65	PASS
4-Nitroaniline	140105	140895	142161	141054	1037	0.74	139227	139260	139982	139490	427	0.31	1.11	PASS
4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	218100	219442	221231	219591	1571	0.72	212393	213649	214660	213567	1136	0.53	2.74	PASS
Diphenylamine	212873	216744	217242	215620	2392	1.11	212415	211845	212343	212201	310	0.15	1.59	PASS
Azobenzene	217994	219691	218600	218762	860	0.39	219140	217510	217316	217989	1002	0.46	0.35	PASS
4-Bromophenyl phenyl ether	157476	159211	159195	158627	997	0.63	157667	156981	157174	157274	354	0.22	0.85	PASS
Hexachlorobenzene	80480	81184	81417	81027	488	0.60	80237	79922	80066	80075	158	0.20	1.17	PASS
Pentachlorophenol	164764	165872	167698	166111	1482	0.89	154870	155159	155922	155317	544	0.35	6.50	PASS
n-Octadecane (C18) & Phenanthrene	523263	529979	529284	527509	3693	0.70	523000	520737	521896	521878	1132	0.22	1.07	PASS
Anthracene	279242	280476	282969	280896	1899	0.68	277209	276981	278229	277473	665	0.24	1.22	PASS
Carbazole	249058	250078	252657	250598	1855	0.74	248860	248873	250536	249423	964	0.39	0.47	PASS
Di-n-butylphthalate	164042	164364	166390	164932	1273	0.77	173700	173859	174927	174162	667	0.38	-5.60	PASS
Fluoranthene	274295	276165	278052	276171	1879	0.68	275739	275485	277510	276245	1103	0.40	-0.03	PASS
Pyrene	277240	279355	281217	279271	1990	0.71	275562	274945	277079	275862	1098	0.40	1.22	PASS
Benzyl butyl phthalate	175538	177554	177922	177005	1283	0.73	183629	182863	184366	183619	752	0.41	-3.74	PASS
Benz(a)anthracene	273735	277575	277009	276106	2073	0.75	273510	272820	274255	273528	718	0.26	0.93	PASS
Chrysene	270017	273841	273257	272372	2060	0.76	269665	269015	270296	269659	641	0.24	1.00	PASS
Bis(2-ethylhexyl)phthalate	192638	195056	195249	194314	1455	0.75	197303	196307	197910	197173	809	0.41	-1.47	PASS
Di-n-octyl phthalate	177237	179859	179260	178785	1374	0.77	185791	185195	186195	185727	503	0.27	-3.88	PASS
Benzo(b)fluoranthene	268417	272342	272056	270938	2188	0.81	272025	271219	271928	271724	440	0.16	-0.29	PASS
Benzo(k)fluoranthene	275469	279433	278642	277848	2098	0.76	270763	270524	271084	270790	281	0.10	2.54	PASS
Benzo(a)pyrene	267244	271150	270418	269604	2076	0.77	266567	265957	266591	266372	359	0.13	1.20	PASS
Indeno(1,2,3-cd)pyrene	279406	283567	283326	282100	2336	0.83	258833	261064	263150	261016	2159	0.83	7.47	PASS
Dibenz(a,h)anthracene	268357	272037	271374	270589	1961	0.72	264629	264804	265815	265083	640	0.24	2.04	PASS
Benzo(g,h,i)perylene	267578	270935	270585	269699	1845	0.68	245280	255799	259613	253564	7423	2.93	5.98	PASS

Reagent

SMLIST1 S1_00019



Reference Standard Data Pack

8270 List 1 / Std #1 MegaMix (2017)

Catalog # 571995

Lot # A0224609

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0224609

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBS1217	99%	1,008.1 µg/mL	+/- 18.6301
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.0 µg/mL	+/- 18.5724
3	Pyridine	110-86-1	SHBR4811	99%	2,007.3 µg/mL	+/- 37.0854
4	Phenol	108-95-2	MKCT5446	99%	1,001.0 µg/mL	+/- 18.4984
5	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 18.5331
6	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,008.4 µg/mL	+/- 18.6347
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,006.1 µg/mL	+/- 18.5931
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,007.6 µg/mL	+/- 18.6209
9	1,3-Dichlorobenzene	541-73-1	STBL1702	99%	1,005.4 µg/mL	+/- 18.5793
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,004.6 µg/mL	+/- 18.5654
11	Benzyl alcohol	100-51-6	094986P13M	99%	1,003.4 µg/mL	+/- 18.5423
12	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,003.6 µg/mL	+/- 18.5469
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,001.3 µg/mL	+/- 18.5031
14	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.0 µg/mL	+/- 18.6093
15	Acetophenone	98-86-2	STBH8205	99%	1,006.4 µg/mL	+/- 18.5978
16	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	501.9 µg/mL	+/- 9.2746

17	4-Methylphenol (p-cresol)	106-44-5	SHBQ7653	99%	501.4	µg/mL	+/- 9.2654
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,009.4	µg/mL	+/- 18.6532
19	Hexachloroethane	67-72-1	DAXRI	99%	1,006.3	µg/mL	+/- 18.5955
20	Nitrobenzene	98-95-3	10224044	99%	1,005.0	µg/mL	+/- 18.5724
21	Isophorone	78-59-1	MKCR3249	99%	1,009.0	µg/mL	+/- 18.6463
22	2-Nitrophenol	88-75-5	RP230710	99%	1,004.3	µg/mL	+/- 18.5585
23	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,008.3	µg/mL	+/- 18.6324
24	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,002.9	µg/mL	+/- 18.5331
25	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,008.0	µg/mL	+/- 18.6278
26	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	1,009.3	µg/mL	+/- 18.6509
27	Naphthalene	91-20-3	STBL1057	99%	1,002.4	µg/mL	+/- 18.5238
28	2,6-Dichlorophenol	87-65-0	MKCS9444	99%	1,002.1	µg/mL	+/- 18.5192
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.9	µg/mL	+/- 18.6440
30	Hexachlorobutadiene	87-68-3	X05J	98%	1,006.1	µg/mL	+/- 18.5925
31	4-Chloro-3-methylphenol	59-50-7	BCCK5906	99%	1,003.6	µg/mL	+/- 18.5469
32	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.1	µg/mL	+/- 18.4823
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.4	µg/mL	+/- 18.3028
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,006.9	µg/mL	+/- 18.6070
35	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,002.3	µg/mL	+/- 18.5215
36	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,001.6	µg/mL	+/- 18.5100
37	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.2	µg/mL	+/- 18.6314
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,008.9	µg/mL	+/- 18.6440
39	Biphenyl	92-52-4	MKCS5928	99%	1,008.8	µg/mL	+/- 18.6417
40	2-Nitroaniline	88-74-4	RP241202RSR	99%	1,002.1	µg/mL	+/- 18.5192
41	Acenaphthylene	208-96-8	214935V18H	95%	1,000.0	µg/mL	+/- 18.4798
42	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,007.0	µg/mL	+/- 18.6093
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.6	µg/mL	+/- 18.6393
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,004.8	µg/mL	+/- 18.5677
45	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,007.8	µg/mL	+/- 18.6232
46	Acenaphthene	83-32-9	MKCV8166	99%	1,000.0	µg/mL	+/- 18.4800
47	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	2,011.5	µg/mL	+/- 37.1639
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,001.8	µg/mL	+/- 18.5123
49	4-Nitrophenol	100-02-7	20241120-1-AN	99%	2,007.8	µg/mL	+/- 37.0946
50	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.8	µg/mL	+/- 18.6417
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.9	µg/mL	+/- 18.5885
52	Fluorene	86-73-7	10246250	98%	1,003.0	µg/mL	+/- 18.5360

53	n-Hexadecane (C16)	544-76-3	SHBR0670	99%	1,004.1	µg/mL	+/-	18.5562
54	Diethylphthalate	84-66-2	STBL3611	99%	1,004.0	µg/mL	+/-	18.5539
55	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,007.1	µg/mL	+/-	18.6116
56	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,002.5	µg/mL	+/-	18.5262
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	2,011.1	µg/mL	+/-	37.1570
58	Diphenylamine	122-39-4	MKCT1512	99%	852.6	µg/mL	+/-	15.7565
59	Azobenzene	103-33-3	BCCL3292	99%	1,003.0	µg/mL	+/-	18.5354
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.4	µg/mL	+/-	18.5793
61	Hexachlorobenzene	118-74-1	15828800	99%	1,002.9	µg/mL	+/-	18.5331
62	Pentachlorophenol	87-86-5	RP240517RSR	99%	2,006.6	µg/mL	+/-	37.0739
63	n-Octadecane (C18)	593-45-3	UE5NG	99%	1,001.4	µg/mL	+/-	18.5054
64	Phenanthrene	85-01-8	MKCT3391	99%	1,004.1	µg/mL	+/-	18.5562
65	Anthracene	120-12-7	101492T18R	99%	1,005.0	µg/mL	+/-	18.5724
66	Carbazole	86-74-8	15821400	99%	1,008.6	µg/mL	+/-	18.6393
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,001.4	µg/mL	+/-	18.5054
68	Fluoranthene	206-44-0	A0458721	99%	1,005.3	µg/mL	+/-	18.5770
69	Pyrene	129-00-0	BCCK2592	99%	1,004.3	µg/mL	+/-	18.5585
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,005.5	µg/mL	+/-	18.5816
71	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,003.8	µg/mL	+/-	18.5493
72	Chrysene	218-01-9	RP250121RSR	99%	1,001.4	µg/mL	+/-	18.5054
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,005.4	µg/mL	+/-	18.5793
74	Di-n-octyl phthalate	117-84-0	15817300	99%	1,002.8	µg/mL	+/-	18.5308
75	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,003.3	µg/mL	+/-	18.5400
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,007.4	µg/mL	+/-	18.6162
77	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,001.8	µg/mL	+/-	18.5133
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.0	µg/mL	+/-	18.4992
79	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,001.3	µg/mL	+/-	18.5031
80	Benzo(g,h,i)perylene	191-24-2	RP250219RSR	99%	1,001.9	µg/mL	+/-	18.5146

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

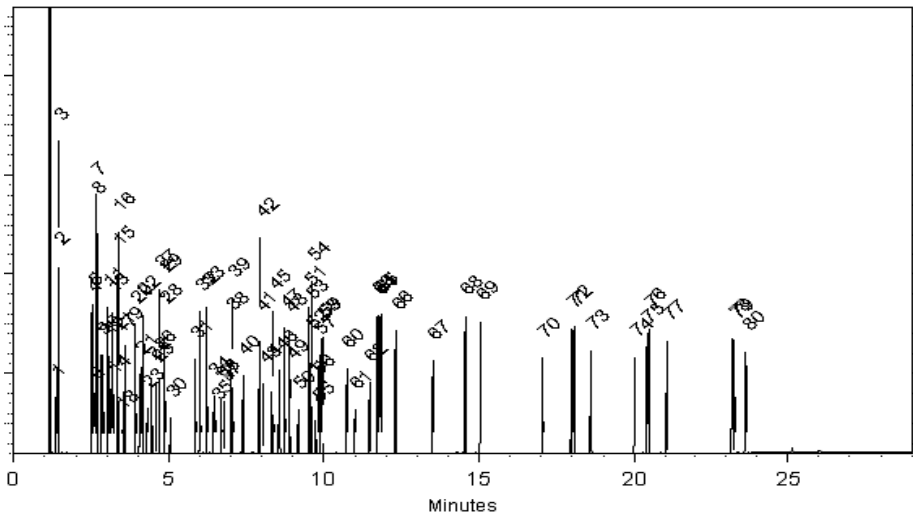
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 14-Apr-2025 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Apr-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0224609

Catalog #: 571995	**Target:** 500-2,000 ug/mL	
Description: 8270 List 1 / Std #1 MegaMix (2017)		
Solvent: Methylene chloride	**Solvent Lot:** 244734	**Final Volume:** 800 ml

Made by: Morgan Craighead	**Date:** 4/23/2025 4:41:51PM		
Tested by: Alicia Leathers	**Date:** 4/24/2025 7:50:45AM		
Pass	**By:** Jennifer Pollino	**Date:** 4/25/2025 12:35:09PM	
Packaged by: Malina Homan / Morgan Craighead	**Date:** 4/23/2025 7:39:59PM	**No. Units:** 137	**Pkg Size:** 5 mL
Balance Used: BEDE1J8ZGP2 XPR504	**Serial #:** C322230531		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
N-Nitrosodimethylamine	62-75-9	CAL012	S241226RSR	0.99	1,000.00	800.00 mg	804.00 mg	1,005.0
Pyridine	110-86-1	F0049	SHBR4811	0.99	2,000.00	1,600.00 mg	1,605.80 mg	2,007.3
Bis(2-chloroethoxy)methane	111-91-1	R0253	15705100	0.99	1,000.00	800.00 mg	802.30 mg	1,002.9
4-Bromophenyl phenyl ether	101-55-3	R0254	STBH6361	0.99	1,000.00	800.00 mg	804.30 mg	1,005.4
4-Chlorophenyl phenyl ether	7005-72-3	R0255	002531K02D	0.99	1,000.00	800.00 mg	805.70 mg	1,007.1
2,4-Dimethylphenol	105-67-9	R0256	DIRAF	0.99	1,000.00	800.00 mg	806.60 mg	1,008.3
2-Nitrophenol	88-75-5	R0263	RP230710	0.99	1,000.00	800.00 mg	803.40 mg	1,004.3
Benz(a)anthracene	56-55-3	R0469	I60012022BAA	0.99	1,000.00	800.00 mg	803.00 mg	1,003.8
Benzo(b)fluoranthene	205-99-2	R0470	022013B	0.99	1,000.00	800.00 mg	802.60 mg	1,003.3
Benzo(k)fluoranthene	207-08-9	R0471	012022K	0.99	1,000.00	800.00 mg	805.90 mg	1,007.4
Benzo(g,h,i)perylene	191-24-2	R0473	RP250219RSR	0.99	1,000.00	800.00 mg	801.50 mg	1,001.9
Benzo(a)pyrene	50-32-8	R0474	NQLXA	0.98	1,000.00	816.33 mg	817.80 mg	1,001.8
Benzyl butyl phthalate	85-68-7	R0475	X12I018	0.99	1,000.00	800.00 mg	804.40 mg	1,005.5
Bis(2-ethylhexyl)phthalate	117-81-7	R0479	MKCS8065	0.99	1,000.00	800.00 mg	804.30 mg	1,005.4
Carbazole	86-74-8	R0480	15821400	0.99	1,000.00	800.00 mg	806.90 mg	1,008.6
1,2-Dichlorobenzene	95-50-1	R0484	SHBL6287	0.99	1,000.00	800.00 mg	802.90 mg	1,003.6
1,3-Dichlorobenzene	541-73-1	R0485	STBL1702	0.99	1,000.00	800.00 mg	804.30 mg	1,005.4
1,4-Dichlorobenzene	106-46-7	R0486	MKBS7929V	0.99	1,000.00	800.00 mg	803.70 mg	1,004.6
2,4-Dinitrotoluene	121-14-2	R0488	102869V26E	0.99	1,000.00	800.00 mg	807.00 mg	1,008.8
2,6-Dinitrotoluene	606-20-2	R0489	BCCG1833	0.99	1,000.00	800.00 mg	803.80 mg	1,004.8
2-Methylnaphthalene	91-57-6	R0490	STBL3028	0.99	1,000.00	800.00 mg	800.10 mg	1,000.1
2-Nitroaniline	88-74-4	R0491	RP241202RSR	0.99	1,000.00	800.00 mg	801.70 mg	1,002.1

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
3-Nitroaniline	99-09-2	R0492	RP240708RSR	0.99	1,000.00	800.00 mg	806.20 mg	1,007.8
4-Nitroaniline	100-01-6	R0493	RP240510RSR	0.99	1,000.00	800.00 mg	802.00 mg	1,002.5
4-Nitrophenol	100-02-7	R0494	20241120-1-AN	0.99	2,000.00	1,600.00 mg	1,606.20 mg	2,007.8
1,2,4-Trichlorobenzene	120-82-1	R0496	SHBR1701	0.99	1,000.00	800.00 mg	807.40 mg	1,009.3
Acenaphthylene	208-96-8	R0497	214935V18H	0.95	1,000.00	842.11 mg	842.10 mg	1,000.0
Anthracene	120-12-7	R0499	101492T18R	0.99	1,000.00	800.00 mg	804.00 mg	1,005.0
Pentachlorophenol	87-86-5	R0501	RP240517RSR	0.99	2,000.00	1,600.00 mg	1,605.30 mg	2,006.6
Phenanthrene	85-01-8	R0502	MKCT3391	0.99	1,000.00	800.00 mg	803.30 mg	1,004.1
Pyrene	129-00-0	R0503	BCCK2592	0.99	1,000.00	800.00 mg	803.40 mg	1,004.3
Chrysene	218-01-9	R0505	RP250121RSR	0.99	1,000.00	800.00 mg	801.10 mg	1,001.4
Dibenz(a,h)anthracene	53-70-3	R0507	712061504-1-1	0.99	1,000.00	800.00 mg	801.00 mg	1,001.3
Di-n-butylphthalate	84-74-2	R0508	MKCN4337	0.99	1,000.00	800.00 mg	801.10 mg	1,001.4
Fluoranthene	206-44-0	R0514	A0458721	0.99	1,000.00	800.00 mg	804.20 mg	1,005.3
Fluorene	86-73-7	R0515	10246250	0.98	1,000.00	816.33 mg	818.80 mg	1,003.0
Hexachlorocyclopentadiene	77-47-4	R0517	099063P13G	0.99	1,000.00	800.00 mg	801.80 mg	1,002.3
Hexachlorobenzene	118-74-1	R0518	15828800	0.99	1,000.00	800.00 mg	802.30 mg	1,002.9
Hexachlorobutadiene	87-68-3	R0519	X05J	0.98	1,000.00	816.33 mg	821.30 mg	1,006.1
Hexachloroethane	67-72-1	R0520	DAXRI	0.99	1,000.00	800.00 mg	805.00 mg	1,006.3
Indeno(1,2,3-cd)pyrene	193-39-5	R0521	12-JKL-118-9	0.97	1,000.00	824.74 mg	825.60 mg	1,001.0
Naphthalene	91-20-3	R0524	STBL1057	0.99	1,000.00	800.00 mg	801.90 mg	1,002.4
Nitrobenzene	98-95-3	R0525	10224044	0.99	1,000.00	800.00 mg	804.00 mg	1,005.0
N-Nitroso-di-n-propylamine	621-64-7	R0527	N63MG	0.99	1,000.00	800.00 mg	807.50 mg	1,009.4
2,3,4,6-Tetrachlorophenol	58-90-2	R0528	PR-34476	0.99	1,000.00	800.00 mg	804.70 mg	1,005.9
n-Decane (C10)	124-18-5	R0531	SHBQ1342	0.99	1,000.00	800.00 mg	804.90 mg	1,006.1
Acenaphthene	83-32-9	R0537	MKCV8166	0.99	1,000.00	800.00 mg	800.00 mg	1,000.0
2,6-Dichlorophenol	87-65-0	R0548	MKCS9444	0.99	1,000.00	800.00 mg	801.70 mg	1,002.1
n-Octadecane (C18)	593-45-3	R0549	UE5NG	0.99	1,000.00	800.00 mg	801.10 mg	1,001.4
1,2,4,5-Tetrachlorobenzene	95-94-3	R0555	MKCT9480	0.99	1,000.00	800.00 mg	805.50 mg	1,006.9
Acetophenone	98-86-2	R0561	STBH8205	0.99	1,000.00	800.00 mg	805.10 mg	1,006.4
Biphenyl	92-52-4	R0562	MKCS5928	0.99	1,000.00	800.00 mg	807.00 mg	1,008.8

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
n-Hexadecane (C16)	544-76-3	R0563	SHBR0670	0.99	1,000.00	800.00 mg	803.30 mg	1,004.1
1-Methylnaphthalene	90-12-0	R0571	5234.00-8	0.98	1,000.00	816.33 mg	808.50 mg	990.4
1,4-Dioxane	123-91-1	R0581	SHBS1217	0.99	1,000.00	800.00 mg	806.50 mg	1,008.1
Benzyl alcohol	100-51-6	R0606	094986P13M	0.99	1,000.00	800.00 mg	802.70 mg	1,003.4
Bis(2-chloroethyl)ether	111-44-4	R0607	002891T24M	0.99	1,000.00	800.00 mg	806.70 mg	1,008.4
2,2'-oxybis(1-chloropropane)	108-60-1	R0608	29-MAR-45-5	0.99	1,000.00	800.00 mg	805.60 mg	1,007.0
4-Chloroaniline	106-47-8	R0609	BCCJ3217	0.99	1,000.00	800.00 mg	807.10 mg	1,008.9
4-Chloro-3-methylphenol	59-50-7	R0610	BCCK5906	0.99	1,000.00	800.00 mg	802.90 mg	1,003.6
2-Chloronaphthalene	91-58-7	R0611	RPN7O	0.99	1,000.00	800.00 mg	807.10 mg	1,008.9
2-Chlorophenol	95-57-8	R0612	STBJ3909	0.99	1,000.00	800.00 mg	806.10 mg	1,007.6
2,4-Dichlorophenol	120-83-2	R0614	BCCK6969	0.99	1,000.00	800.00 mg	806.40 mg	1,008.0
4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	R0615	S240410RSR	0.99	2,000.00	1,600.00 mg	1,608.90 mg	2,011.1
2,4-Dinitrophenol	51-28-5	R0616	D240927RSR	0.99	2,000.00	1,600.00 mg	1,609.20 mg	2,011.5
2-Methylphenol (o-cresol)	95-48-7	R0617	SHBN7598	0.99	1,000.00	800.00 mg	801.00 mg	1,001.3
4-Methylphenol (p-cresol)	106-44-5	R0618	SHBQ7653	0.99	500.00	400.00 mg	401.10 mg	501.4
2,4,5-Trichlorophenol	95-95-4	R0620	3YFRE	0.97	1,000.00	824.74 mg	831.50 mg	1,008.2
2,4,6-Trichlorophenol	88-06-2	R0621	STBK8870	0.99	1,000.00	800.00 mg	801.30 mg	1,001.6
Phenol	108-95-2	R0627	MKCT5446	0.99	1,000.00	800.00 mg	800.80 mg	1,001.0
Dibenzofuran	132-64-9	R0630	MKCN1772	0.99	1,000.00	800.00 mg	801.40 mg	1,001.8
Diethylphthalate	84-66-2	R0631	STBL3611	0.99	1,000.00	800.00 mg	803.20 mg	1,004.0
Dimethylphthalate	131-11-3	R0632	358221L17K	0.99	1,000.00	800.00 mg	806.90 mg	1,008.6
Di-n-octyl phthalate	117-84-0	R0633	15817300	0.99	1,000.00	800.00 mg	802.20 mg	1,002.8
Isophorone	78-59-1	R0636	MKCR3249	0.99	1,000.00	800.00 mg	807.20 mg	1,009.0
Azobenzene	103-33-3	R0645	BCCL3292	0.99	1,000.00	800.00 mg	802.40 mg	1,003.0
Aniline	62-53-3	R0647	X22F726	0.99	1,000.00	800.00 mg	802.30 mg	1,002.9
3-Methylphenol (m-cresol)	108-39-4	R0648	STBL3873	0.99	500.00	400.00 mg	401.50 mg	501.9
1,3-Dinitrobenzene	99-65-0	R0690	TRC3-1075941-2-1	0.99	1,000.00	800.00 mg	805.60 mg	1,007.0
Diphenylamine	122-39-4	R0691	MKCT1512	0.99	850.00	680.00 mg	682.10 mg	852.6

QA Report: 8270 List 1 / Std #1 MegaMix (2017) (Cat.#571995)

	Runs of Lot # A0219885 (Cat#.571955.SEC)						Runs of Lot # A0224609							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
1,4-Dioxane	54263	54781	54715	54586	282	0.52	54755	55367	53952	54691	710	1.30	-0.19	PASS
N-Nitrosodimethylamine & Pyridine	308866	311200	311647	310571	1493	0.48	333490	337730	328719	333313	4508	1.35	-7.32	PASS
Phenol	137802	139282	139915	139000	1084	0.78	134796	136764	133127	134896	1821	1.35	2.95	PASS
Aniline	142469	143335	143831	143212	689	0.48	143422	145237	141603	143421	1817	1.27	-0.15	PASS
Bis(2-chloroethyl)ether	49648	50213	50249	50037	337	0.67	49669	50503	48908	49693	798	1.61	0.69	PASS
n-Decane (C10) & 2-Chlorophenol	257204	259927	259891	259007	1562	0.60	257675	261261	254619	257852	3325	1.29	0.45	PASS
1,3-Dichlorobenzene	97866	98695	98752	98438	496	0.50	96066	97407	94860	96111	1274	1.33	2.36	PASS
1,4-Dichlorobenzene	97612	98442	98518	98191	503	0.51	96974	98347	95758	97026	1295	1.33	1.19	PASS
Benzyl alcohol	149169	150239	150867	150092	859	0.57	146054	148236	144269	146186	1987	1.36	2.60	PASS
1,2-Dichlorobenzene	98568	99333	99267	99056	424	0.43	98493	99751	97330	98525	1211	1.23	0.54	PASS
2-Methylphenol (o-cresol)	144878	145746	146379	145668	754	0.52	142630	144770	140930	142777	1924	1.35	1.98	PASS
2,2'-oxybis(1-chloropropane)	67884	68536	68605	68342	398	0.58	67968	68808	67154	67977	827	1.22	0.53	PASS
Acetophenone & 3-Methylphenol (m-cresol)	296757	296841	299265	297621	1424	0.48	292985	298750	289854	293863	4513	1.54	1.26	PASS
4-Methylphenol (p-cresol)	92576	95141	94801	94173	1393	1.48	95704	95655	94041	95133	946	0.99	-1.02	PASS
N-Nitrosodi-n-propylamine	24033	24227	24282	24181	131	0.54	24243	24566	23912	24240	327	1.35	-0.25	PASS
Hexachloroethane	112906	113586	114114	113535	606	0.53	110903	112530	109509	110981	1512	1.36	2.25	PASS
Nitrobenzene	140923	141697	142608	141743	843	0.60	140411	142234	138660	140435	1787	1.27	0.92	PASS
Isophorone	87679	88315	88774	88256	550	0.62	86073	87333	84987	86131	1174	1.36	2.41	PASS
2-nitrophenol	147073	148179	149070	148107	1000	0.68	145709	147868	143870	145816	2001	1.37	1.55	PASS
2,4-dimethylphenol	47867	48123	48408	48133	271	0.56	46834	47536	46293	46888	623	1.33	2.59	PASS
bis(2-chloroethoxy)methane	79720	81282	81983	80995	1158	1.43	80341	81547	79524	80471	1018	1.26	0.65	PASS
2,4-dichlorophenol	82216	82768	83120	82701	456	0.55	79455	80615	78505	79525	1057	1.33	3.84	PASS
1,2,4-trichlorobenzene	189410	190637	191477	190508	1040	0.55	185726	188378	183456	185853	2463	1.33	2.44	PASS
Naphthalene & 2,6-Dichlorophenol	192248	193670	195262	193727	1508	0.78	189754	192337	187240	189777	2549	1.34	2.04	PASS
4-chloroaniline	39855	40175	40247	40092	209	0.52	40655	41186	40212	40684	488	1.20	-1.48	PASS
Hexachlorobutadiene	110970	112083	113137	112063	1084	0.97	109701	111028	108285	109671	1372	1.25	2.13	PASS
4-chloro-3-methylphenol	187550	188634	189710	188631	1080	0.57	174850	177165	172768	174928	2200	1.26	7.26	PASS
2-methylnaphthalene	184701	185909	187078	185896	1189	0.64	183462	185798	181227	183496	2286	1.25	1.29	PASS
1-methylnaphthalene	71618	71997	72459	72025	421	0.58	70746	71675	69869	70763	903	1.28	1.75	PASS
1,2,4,5-tetrachlorobenzene	36182	38435	39100	37906	1529	4.03	39530	40466	39508	39835	547	1.37	-5.09	PASS
Hexachlorocyclopentadiene	66187	67965	68649	67600	1271	1.88	67438	68327	66827	67531	754	1.12	0.10	PASS
2,4,6-trichlorophenol	65457	67910	68423	67263	1585	2.36	66673	67702	66115	66830	805	1.20	0.64	PASS
2,4,5-trichlorophenol	154831	156506	161448	157595	3440	2.18	154404	156593	152884	154627	1865	1.21	1.88	PASS
2-Chloronaphthalene	193487	193736	190976	192733	1527	0.79	188200	190212	185788	188067	2215	1.18	2.42	PASS
Biphenyl	102937	103726	104261	103641	666	0.64	100546	101308	99327	100394	999	1.00	3.13	PASS
2-Nitroaniline	82683	83343	83604	83210	475	0.57	79741	80977	79776	80165	704	0.88	3.66	PASS
Acenaphthylene & 1,3-Dinitrobenzene	294770	296931	298642	296781	1940	0.65	293831	295964	289538	293111	3273	1.12	1.24	PASS
Dimethylphthalate	90535	91131	91538	91068	504	0.55	87688	88413	86578	87560	924	1.06	3.85	PASS
2,6-Dinitrotoluene	106678	104586	107788	106351	1626	1.53	103957	105151	103082	104063	1039	1.00	2.15	PASS
3-Nitroaniline	189218	193638	192071	191642	2241	1.17	185734	187184	183403	185440	1908	1.03	3.24	PASS

Acenaphthene	110304	115400	117057	114254	3519	3.08	114000	115323	114302	114542	693	0.61	-0.25	PASS
2,4-dinitrophenol	168715	170057	170911	169894	1107	0.65	165219	166793	163397	165136	1700	1.03	2.80	PASS
Dibenzofuran	165104	171017	172979	169700	4099	2.42	166932	169278	166088	167433	1653	0.99	1.34	PASS
4-Nitrophenol	95991	95931	96100	96007	86	0.09	95274	95122	93575	94657	940	0.99	1.41	PASS
2,4-dinitrotoluene	58909	59331	59843	59361	468	0.79	56798	57213	56118	56710	553	0.97	4.47	PASS
2,3,4,6-tetrachlorophenol	198516	200242	201094	199951	1313	0.66	196001	197652	193886	195846	1888	0.96	2.05	PASS
Fluorene & Hexadecane	183466	186931	184487	184961	1781	0.96	182113	184956	179891	182320	2539	1.39	1.43	PASS
Diethylphthalate	238939	238979	243272	240397	2490	1.04	233585	235917	232180	233894	1888	0.81	2.70	PASS
p-chlorophenyl phenyl ether & 4-nitroaniline	100256	101706	102040	101334	948	0.94	99563	100175	98586	99441	801	0.81	1.87	PASS
4,6-Dinitro-2-methylphenol	148826	150548	150493	149956	979	0.65	149592	150557	148022	149390	1279	0.86	0.38	PASS
Diphenylamine	155191	156831	155953	155992	821	0.53	152011	152740	149924	151558	1462	0.96	2.84	PASS
Azobenzene	156968	158897	160940	158935	1986	1.25	154248	155909	152998	154385	1460	0.95	2.86	PASS
4-bromophenyl phenyl ether	113809	114870	115370	114683	797	0.70	112100	113115	111083	112099	1016	0.91	2.25	PASS
Hexachlorobenzene	58640	59235	59415	59097	406	0.69	57860	58308	57314	57827	498	0.86	2.15	PASS
Pentachlorophenol	99127	103796	103718	102214	2673	2.62	103411	102794	102302	102836	556	0.54	-0.61	PASS
n-Octadecane (C18)	199879	202278	202766	201641	1545	0.77	196843	198403	195116	196787	1644	0.84	2.41	PASS
Phenanthrene	180741	182584	183317	182214	1327	0.73	174853	177799	173877	175510	2042	1.16	3.68	PASS
Anthracene	200559	202443	203029	202010	1291	0.64	197099	198484	195294	196959	1600	0.81	2.50	PASS
Carbazole	181619	183422	183886	182976	1198	0.65	178325	179867	177215	178469	1332	0.75	2.46	PASS
Di-n-butylphthalate	126657	128302	128509	127823	1015	0.79	124801	126052	124075	124976	1000	0.80	2.23	PASS
Fluoranthene	202757	204665	205220	204214	1292	0.63	197220	199301	195881	197467	1723	0.87	3.30	PASS
Pyrene	201322	203064	203823	202736	1282	0.63	197996	200076	196520	198197	1787	0.90	2.24	PASS
Benzyl butyl phthalate	136009	137159	137697	136955	862	0.63	134518	136193	133492	134734	1363	1.01	1.62	PASS
Benz(a)anthracene	201909	203805	204708	203474	1429	0.70	199246	201347	197194	199262	2077	1.04	2.07	PASS
Chrysene	199141	200983	201915	200680	1412	0.70	198668	200722	196707	198699	2008	1.01	0.99	PASS
Bis(2-ethylhexyl)phthalate	144169	145617	146019	145268	973	0.67	143665	145798	142849	144104	1523	1.06	0.80	PASS
di-n-octyl phthalate	139379	141045	141515	140646	1122	0.80	138023	140113	137046	138394	1567	1.13	1.60	PASS
Benzo(b)fluoranthene	200118	202286	203019	201808	1508	0.75	196083	197988	193411	195827	2299	1.17	2.96	PASS
Benzo(k)fluoranthene	200106	202390	202537	201678	1363	0.68	197506	199344	195470	197440	1938	0.98	2.10	PASS
Benzo(a)pyrene	196359	198535	198746	197880	1321	0.67	193214	194833	190706	192918	2079	1.08	2.51	PASS
Indeno(1,2,3-cd)pyrene	193097	195271	195276	194548	1257	0.65	200856	202752	198590	200733	2084	1.04	-3.18	PASS
Dibenz(a,h)anthracene	197125	199537	199397	198686	1354	0.68	194220	195958	192070	194083	1948	1.00	2.32	PASS
Benzo(g,h,i)perylene	193161	194488	194506	194052	771	0.40	183160	185012	181090	183087	1962	1.07	5.65	PASS

Reagent

SMLIST1 S10_00012



Reference Standard Data Pack

8270 List 1 / Std #10

Catalog # 569731

Lot # A0209261

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

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110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0209261

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD230927	99%	2,019.6 µg/mL	+/- 113.4524
2	Benzoic acid	65-85-0	MKCR2694	99%	2,012.5 µg/mL	+/- 113.0554

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

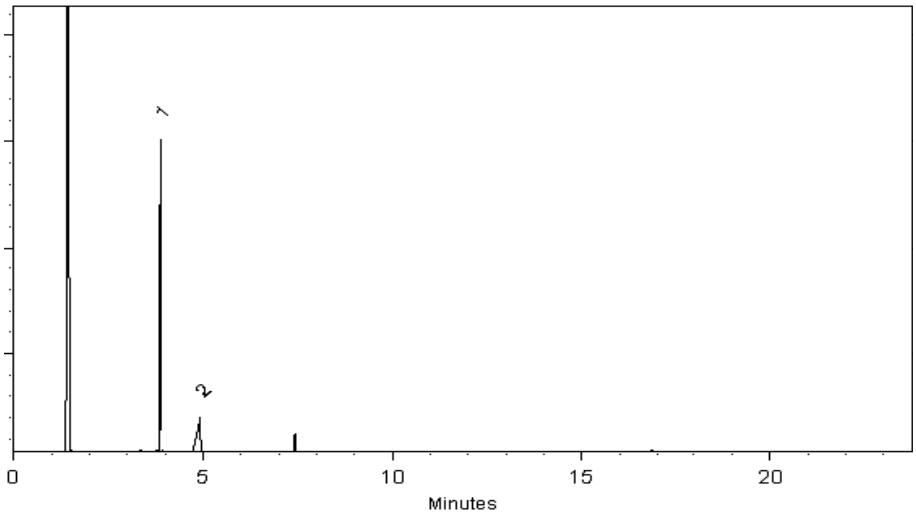
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 20-Mar-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-Mar-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0209261

Catalog #: 569731	**Target:** 2000 ug/mL	
Description: 8270 List 1 / Std #10		
Solvent: Methylene chloride	**Solvent Lot:** 233605	**Final Volume:** 1,500 ml

Made by: Sam Moodler	**Date:** 3/20/2024 11:12:24PM		
Tested by: Amanda Miller	**Date:** 3/21/2024 5:01:52PM		
Pass	**By:** Jennifer Pollino	**Date:** 3/22/2024 8:24:01AM	
Packaged by: Sam Moodler / Penelope Riglin	**Date:** 3/21/2024 2:20:59AM	**No. Units:** 251	**Pkg Size:** 5 mL
Balance Used: BEDEARMBALPC1 XPE205	**Serial #:** B442140311		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Benzoic acid	65-85-0	R0472	MKCR2694	0.99	2,000.00	3,000.00 mg	3,018.80 mg	2,012.5
Indene	95-13-6	R0754	RD230927	0.99	2,000.00	3,000.00 mg	3,029.40 mg	2,019.6

QA Report: 8270 List 1 / Std #10 (Cat.#569731)

	Runs of Lot # A0199695 (Cat# 569731.SEC)						Runs of Lot # A0209261							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Indene	768880	779560	766830	771757	6835	0.89	772732	780395	772694	775274	4435	0.57	-0.46	PASS
Benzoic acid	487845	499776	490817	492813	6211	1.26	485023	490251	485927	487067	2794	0.57	1.17	PASS

Reagent

SMLIST1 S11_00016



Reference Standard Data Pack

8270 List 1 / Std #11

Catalog # 569732

Lot # A0217501

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0217501

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	2,010.8 µg/mL	+/- 59.0568
2	epsilon-Caprolactam	105-60-2	Y16H012	99%	2,016.3 µg/mL	+/- 59.2183
3	Atrazine	1912-24-9	5FYWL	99%	2,015.3 µg/mL	+/- 59.1901

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

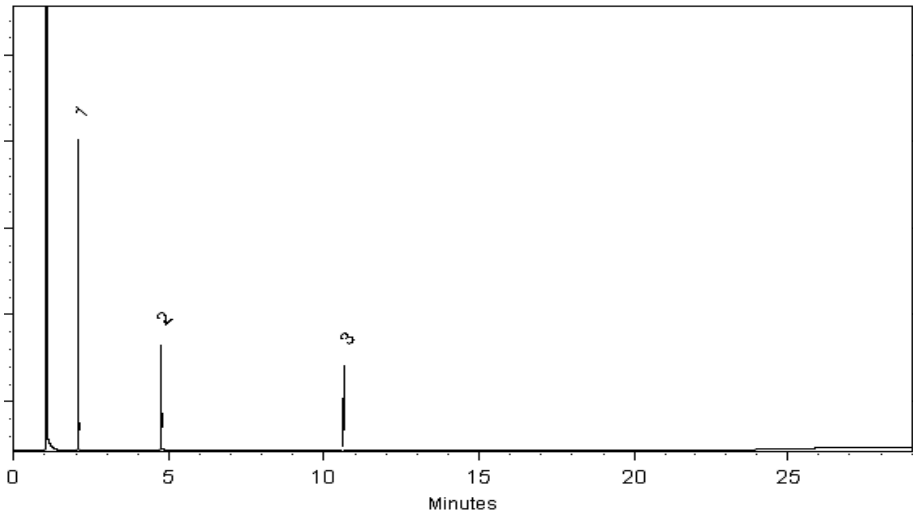
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 07-Oct-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0217501

Catalog #: 569732	**Target:** 2000 ug/mL	
Description: 8270 List 1 / Std #11		
Solvent: Methylene chloride	**Solvent Lot:** 242208	**Final Volume:** 500 ml

Made by: Stacey Wanner	**Date:** 10/7/2024 12:32:53AM		
Tested by: Alicia Leathers	**Date:** 10/7/2024 6:29:19AM		
Pass	**By:** Jennifer Pollino	**Date:** 10/8/2024 10:26:17AM	
Packaged by: Stacey Wanner / Stacey Wanner	**Date:** 10/7/2024 2:46:16AM	**No. Units:** 90	**Pkg Size:** 5 mL
Balance Used: BEDE001735 XP205	**Serial #:** 1128360905		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Atrazine	1912-24-9	R0541	5FYWL	0.99	2,000.00	1,000.00 mg	1,007.67 mg	2,015.3
Benzaldehyde	100-52-7	R0604	RD231129RSRA	0.99	2,000.00	1,000.00 mg	1,005.40 mg	2,010.8
epsilon-Caprolactam	105-60-2	R0814	Y16H012	0.99	2,000.00	1,000.00 mg	1,008.15 mg	2,016.3

QA Report: 8270 List 1 / Std #11 (Cat.#569732)

COMPONENT	Runs of Lot # A0203226 (Cat#569732.SEC) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0217501 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Benzaldehyde	127911	128203	129839	128651	1039	0.81	129656	128953	128035	128881	813	0.63	-0.18	PASS
epsilon-Caprolactam	85938	86261	86540	86246	301	0.35	88547	86875	87648	87690	837	0.95	-1.67	PASS
Atrazine	64452	64892	65115	64820	337	0.52	67147	66901	65872	66640	676	1.01	-2.81	PASS

Reagent

SMLIST1 S9_00013



Reference Standard Data Pack

8270 List 1 / Std #9

Catalog # 569730

Lot # A0211034

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0211034

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S240206RSR	99%	2,003.9 µg/mL	+/- 37.0230
2	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	2,019.9 µg/mL	+/- 37.3187

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

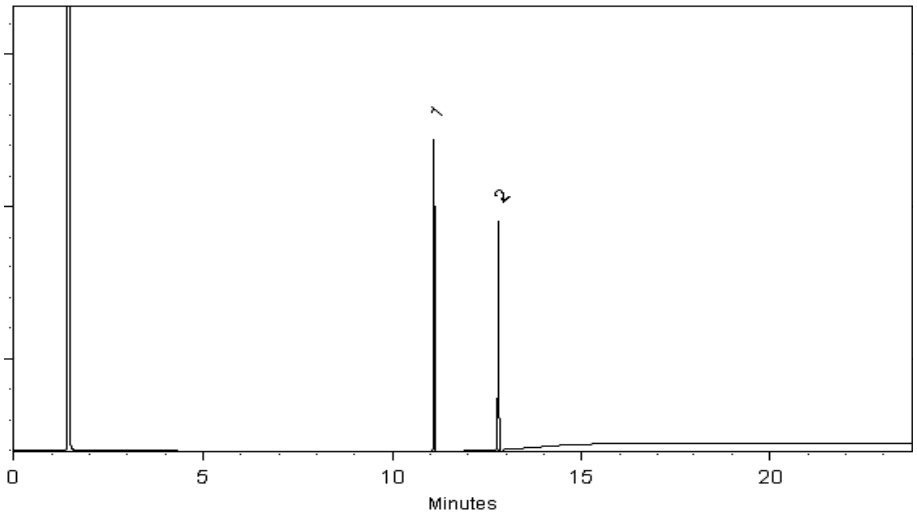
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-May-2024 **Balance Serial #** 1122030677

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 07-May-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0211034

Catalog #: 569730	**Target:** 2000 ug/mL	
Description: 8270 List 1 / Std #9		
Solvent: Methylene chloride	**Solvent Lot:** 233608	**Final Volume:** 800 ml

Made by: Morgan Craighead	**Date:** 5/2/2024 5:43:05PM		
Tested by: Christie Mills	**Date:** 5/7/2024 2:25:27PM		
Pass	**By:** Christie Mills	**Date:** 5/7/2024 2:25:33PM	
Packaged by: Malina Homan / Morgan Craighead	**Date:** 5/2/2024 8:52:36PM	**No. Units:** 110	**Pkg Size:** 5 mL
Balance Used: BEDE001747 AX205DR	**Serial #:** 1122030677		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
3,3'-Dichlorobenzidine	91-94-1	CAL003	S240326RSR	0.99	2,000.00	1,600.00 mg	1,615.90 mg	2,019.9
Benzidine	92-87-5	CAL006	S240206RSR	0.99	2,000.00	1,600.00 mg	1,603.10 mg	2,003.9

QA Report: 8270 List 1 / Std #9 (Cat#569730)

	Runs of Lot # A0202769 (Cat#569730.SEC)						Runs of Lot # A0211034							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Benzidine	133162	136467	136135	135255	1820	1.35	146918	138999	146865	144261	4557	3.16	-6.66	PASS
3,3'-Dichlorobenzidine	105624	107317	107812	106918	1147	1.07	108654	103178	108719	106850	3181	2.98	0.06	PASS

Reagent

SMLIST1 S9_00014



Reference Standard Data Pack

8270 List 1 / Std #9

Catalog # 569730

Lot # A0224695

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1-814-353-1300 1-800-356-1688
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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0224695

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	2,009.0 µg/mL	+/- 37.1177
2	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	2,002.4 µg/mL	+/- 36.9961

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

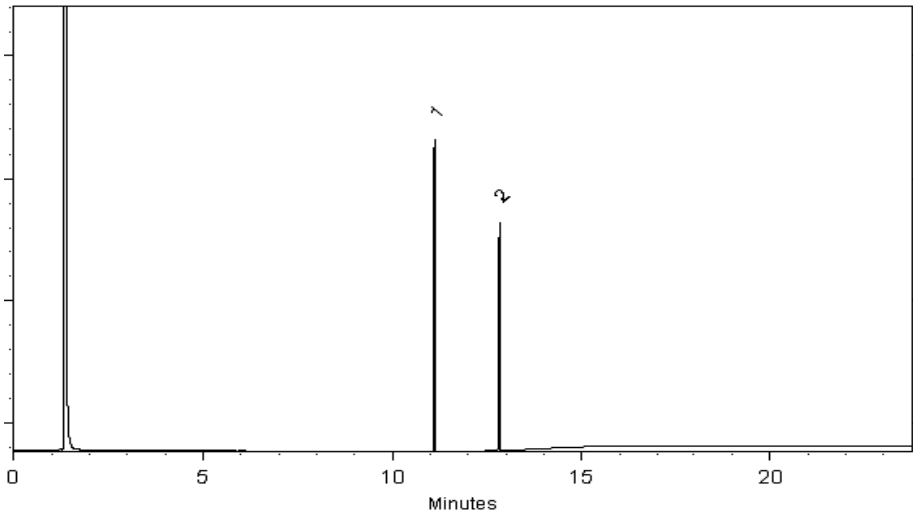
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 16-Apr-2025 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Apr-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0224695

Catalog #: 569730	**Target:** 2000 ug/mL	
Description: 8270 List 1 / Std #9		
Solvent: Methylene chloride	**Solvent Lot:** 244734	**Final Volume:** 1,200 ml

Made by: Morgan Craighead	**Date:** 4/16/2025 3:11:38PM		
Tested by: Alicia Leathers	**Date:** 4/17/2025 6:26:18AM		
Pass	**By:** Jennifer Pollino	**Date:** 4/18/2025 6:13:34AM	
Packaged by: Malina Homan / Morgan Craighead	**Date:** 4/16/2025 8:14:13PM	**No. Units:** 187	**Pkg Size:** 5 mL
Balance Used: BEDE1J8ZGP2 XPR504	**Serial #:** C322230531		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
3,3'-Dichlorobenzidine	91-94-1	CAL003	S250226RSR	0.99	2,000.00	2,400.00 mg	2,402.90 mg	2,002.4
Benzidine	92-87-5	CAL006	S250227ECS	0.99	2,000.00	2,400.00 mg	2,410.80 mg	2,009.0

QC Report: 8270 List 1 / Std #9 (Cat#569730)

	Runs of Lot # A0214932 (Cat#569730.SEC)						Runs of Lot # A0224695							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Benzidine	90586	93337	91390	91771	1415	1.54	91691	91106	89956	90918	883	0.97	0.93	PASS
3,3'-Dichlorobenzidine	68261	70148	68654	69021	996	1.44	68105	67762	66808	67558	672	0.99	2.12	PASS

Reagent

SMLIST1 SS S1_00016



Reference Standard Data Pack

8270 List 1 / Std #1 MegaMix (2017)

Catalog # 571995.SEC

Lot # A0219885

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995.SEC **Lot No.:** A0219885

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1.SEC	4ZVCG	99%	1,005.0 µg/mL	+/- 18.5724
2	N-Nitrosodimethylamine	62-75-9.SEC	61H72	99%	1,005.8 µg/mL	+/- 18.5862
3	Pyridine	110-86-1.SEC	QN8DK	99%	2,010.0 µg/mL	+/- 37.1447
4	Phenol	108-95-2.SEC	EDPYN	99%	1,007.0 µg/mL	+/- 18.6093
5	Aniline	62-53-3.SEC	ZCD3N	99%	1,005.0 µg/mL	+/- 18.5724
6	Bis(2-chloroethyl)ether	111-44-4.SEC	FA010143	99%	1,005.3 µg/mL	+/- 18.5770
7	n-Decane (C10)	124-18-5.SEC	UCVNN	99%	1,007.5 µg/mL	+/- 18.6186
8	2-Chlorophenol	95-57-8.SEC	GJ01	99%	1,007.3 µg/mL	+/- 18.6139
9	1,3-Dichlorobenzene	541-73-1.SEC	ZA2ZI	99%	1,006.0 µg/mL	+/- 18.5908
10	1,4-Dichlorobenzene	106-46-7.SEC	J5GVD	99%	1,005.8 µg/mL	+/- 18.5862
11	Benzyl alcohol	100-51-6.SEC	QZBUO	99%	1,007.5 µg/mL	+/- 18.6186
12	1,2-Dichlorobenzene	95-50-1.SEC	R6QDM	99%	1,005.5 µg/mL	+/- 18.5816
13	2-Methylphenol (o-cresol)	95-48-7.SEC	NC7HL	99%	1,007.3 µg/mL	+/- 18.6139
14	2,2'-oxybis(1-chloropropane)	108-60-1 *	29-MAR-45-5	99%	1,005.5 µg/mL	+/- 18.5816
15	Acetophenone	98-86-2.SEC	NSGTI	99%	1,005.3 µg/mL	+/- 18.5770
16	3-Methylphenol (m-cresol)	108-39-4.SEC	6LHTM	99%	503.0 µg/mL	+/- 9.2954

17	4-Methylphenol (p-cresol)	106-44-5.SEC 65S2E	99%	502.3	µg/mL	+/- 9.2816
18	N-Nitroso-di-n-propylamine	621-64-7.SEC 9566100	99%	1,006.0	µg/mL	+/- 18.5908
19	Hexachloroethane	67-72-1.SEC 10173016	99%	1,005.8	µg/mL	+/- 18.5862
20	Nitrobenzene	98-95-3.SEC FLYIG	99%	1,006.8	µg/mL	+/- 18.6047
21	Isophorone	78-59-1.SEC XHGJI	98%	1,002.1	µg/mL	+/- 18.5178
22	2-Nitrophenol	88-75-5.SEC RP231023CTH	99%	1,006.8	µg/mL	+/- 18.6047
23	2,4-Dimethylphenol	105-67-9.SEC MKBL3650V	99%	1,007.8	µg/mL	+/- 18.6232
24	Bis(2-chloroethoxy)methane	111-91-1 * 15174900	99%	1,007.0	µg/mL	+/- 18.6093
25	2,4-Dichlorophenol	120-83-2.SEC FHM01	99%	1,005.5	µg/mL	+/- 18.5816
26	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	1,006.3	µg/mL	+/- 18.5955
27	Naphthalene	91-20-3.SEC AM5NG	99%	1,005.5	µg/mL	+/- 18.5816
28	2,6-Dichlorophenol	87-65-0.SEC SIDBB	99%	1,006.8	µg/mL	+/- 18.6047
29	4-Chloroaniline	106-47-8.SEC 10171860	99%	1,006.8	µg/mL	+/- 18.6047
30	Hexachlorobutadiene	87-68-3.SEC 13471600	97%	1,003.5	µg/mL	+/- 18.5440
31	4-Chloro-3-methylphenol	59-50-7.SEC FDO02	99%	1,006.5	µg/mL	+/- 18.6001
32	2-Methylnaphthalene	91-57-6.SEC 76023-1	99%	1,007.3	µg/mL	+/- 18.6139
33	1-Methylnaphthalene	90-12-0.SEC OEE3F	99%	1,007.0	µg/mL	+/- 18.6093
34	1,2,4,5-Tetrachlorobenzene	95-94-3.SEC AF02	99%	1,004.0	µg/mL	+/- 18.5539
35	Hexachlorocyclopentadiene	77-47-4.SEC 15819900	99%	1,007.0	µg/mL	+/- 18.6093
36	2,4,6-Trichlorophenol	88-06-2.SEC UUMYM	98%	1,006.7	µg/mL	+/- 18.6039
37	2,4,5-Trichlorophenol	95-95-4.SEC MKBQ9937V	97%	1,006.4	µg/mL	+/- 18.5978
38	2-Chloronaphthalene	91-58-7.SEC 15549900	99%	1,006.3	µg/mL	+/- 18.5955
39	Biphenyl	92-52-4.SEC 33OQE	99%	1,007.5	µg/mL	+/- 18.6186
40	2-Nitroaniline	88-74-4.SEC RP231006S	99%	1,005.3	µg/mL	+/- 18.5770
41	Acenaphthylene	208-96-8.SEC 0012013AN	97%	1,003.7	µg/mL	+/- 18.5485
42	1,3-Dinitrobenzene	99-65-0.SEC 3XXLB	99%	1,005.5	µg/mL	+/- 18.5816
43	Dimethylphthalate	131-11-3.SEC 483WC	99%	1,005.8	µg/mL	+/- 18.5862
44	2,6-Dinitrotoluene	606-20-2.SEC GE01	99%	1,004.5	µg/mL	+/- 18.5631
45	3-Nitroaniline	99-09-2.SEC RP230509B	99%	1,005.8	µg/mL	+/- 18.5862
46	Acenaphthene	83-32-9.SEC BWZJE	99%	1,005.0	µg/mL	+/- 18.5724
47	2,4-Dinitrophenol	51-28-5.SEC YTR6B	99%	2,008.5	µg/mL	+/- 37.1170
48	Dibenzofuran	132-64-9.SEC 27ZGC	99%	1,006.5	µg/mL	+/- 18.6001
49	4-Nitrophenol	100-02-7.SEC RP241121S	99%	2,011.8	µg/mL	+/- 37.1771
50	2,4-Dinitrotoluene	121-14-2.SEC SHRSA	99%	1,005.8	µg/mL	+/- 18.5862
51	2,3,4,6-Tetrachlorophenol	58-90-2.SEC B18W03261	99%	1,007.5	µg/mL	+/- 18.6186
52	Fluorene	86-73-7.SEC 14757200	98%	1,004.5	µg/mL	+/- 18.5631

53	n-Hexadecane (C16)	544-76-3.SEC A0328141	99%	1,008.0	µg/mL	+/- <0.0001
54	Diethylphthalate	84-66-2.SEC UMBJC	99%	1,007.0	µg/mL	+/- 18.6093
55	4-Chlorophenyl phenyl ether	7005-72-3.SECP31G	98%	1,005.5	µg/mL	+/- 18.5812
56	4-Nitroaniline	100-01-6.SEC 5ITRC	99%	1,005.8	µg/mL	+/- 18.5862
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1.SEC DR13924100	99%	2,010.0	µg/mL	+/- 37.1447
58	Diphenylamine	122-39-4.SEC 10164691	99%	855.0	µg/mL	+/- 15.8004
59	Azobenzene	103-33-3.SEC MHV2A	98%	1,005.0	µg/mL	+/- 18.5722
60	4-Bromophenyl phenyl ether	101-55-3.SEC 84C6D	99%	1,005.0	µg/mL	+/- 18.5724
61	Hexachlorobenzene	118-74-1.SEC G1456068	99%	1,008.5	µg/mL	+/- 18.6370
62	Pentachlorophenol	87-86-5.SEC 15277300	99%	2,010.5	µg/mL	+/- 37.1540
63	n-Octadecane (C18)	593-45-3.SEC A0406344	99%	1,007.0	µg/mL	+/- <0.0001
64	Phenanthrene	85-01-8.SEC 8637000	98%	1,002.1	µg/mL	+/- 18.5178
65	Anthracene	120-12-7.SEC WDFNJ	99%	1,005.3	µg/mL	+/- 18.5770
66	Carbazole	86-74-8.SEC LMIZB	99%	1,005.0	µg/mL	+/- 18.5724
67	Di-n-butylphthalate	84-74-2.SEC 42FSG	99%	1,005.8	µg/mL	+/- 18.5862
68	Fluoranthene	206-44-0.SEC FREGF	99%	1,005.3	µg/mL	+/- 18.5770
69	Pyrene	129-00-0.SEC ROVJC	99%	1,005.8	µg/mL	+/- 18.5862
70	Benzyl butyl phthalate	85-68-7.SEC TMXHI	99%	1,006.5	µg/mL	+/- 18.6001
71	Benz(a)anthracene	56-55-3.SEC JIU7N	99%	1,007.5	µg/mL	+/- 18.6186
72	chrysene	218-01-9.SEC RP240920S	99%	1,005.5	µg/mL	+/- 18.5816
73	Bis(2-ethylhexyl)phthalate	117-81-7.SEC MT8AG	99%	1,006.8	µg/mL	+/- 18.6047
74	Di-n-octyl phthalate	117-84-0.SEC O8DLD	99%	1,004.8	µg/mL	+/- 18.5677
75	Benzo(b)fluoranthene	205-99-2.SEC 53NSF	99%	1,006.5	µg/mL	+/- 18.6001
76	Benzo(k)fluoranthene	207-08-9.SEC 15550000	99%	1,007.3	µg/mL	+/- 18.6139
77	Benzo(a)pyrene	50-32-8.SEC ISLCP3775	97%	1,004.7	µg/mL	+/- 18.5664
78	Indeno(1,2,3-cd)pyrene	193-39-5.SEC 022013	99%	1,007.5	µg/mL	+/- 18.6186
79	Dibenz(a,h)anthracene	53-70-3.SEC 712061504-1-1	99%	1,004.8	µg/mL	+/- 18.5677
80	Benzo(g,h,i)perylene	191-24-2.SEC RP240610S	96%	1,004.4	µg/mL	+/- 18.5613

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL. N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine. N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

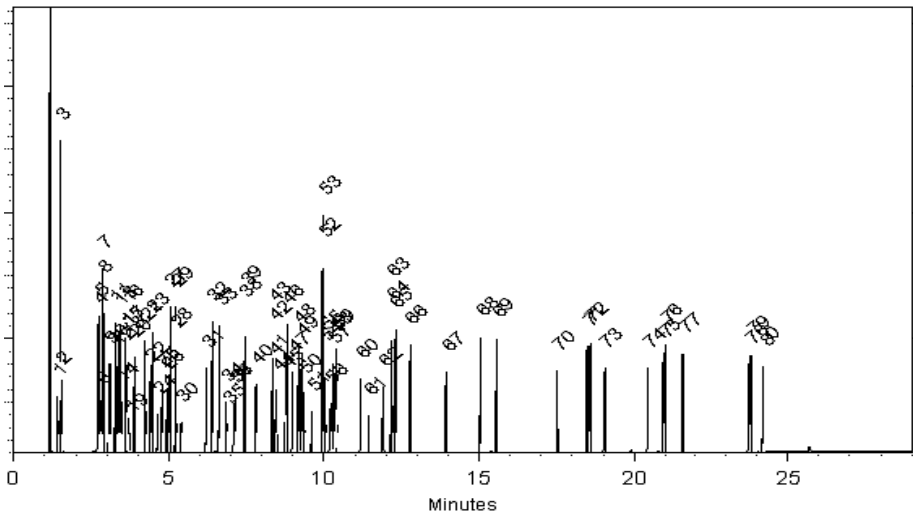
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 09-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 17-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0219885

Catalog #: 571995.SEC	**Target:** 500-2,000 ug/mL	
Description: 8270 List 1 / Std #1 MegaMix (2017)		
Solvent: Methylene chloride	**Solvent Lot:** 243834	**Final Volume:** 400 ml

Made by: Malina Homan	**Date:** 12/16/2024 7:54:36PM		
Tested by: Alicia Leathers	**Date:** 12/17/2024 7:24:29AM		
Pass	**By:** Dillan Murphy	**Date:** 12/17/2024 5:02:44PM	
Packaged by: Malina Homan / Morgan Craighead	**Date:** 12/16/2024 10:34:01	**No. Units:** 58	**Pkg Size:** 5 mL
Balance Used: BEDE001736 XPE504	**Serial #:** B345965662		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
N-Nitrosodimethylamine	62-75-9.SEC	CALS002	61H72	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
Pyridine	110-86-1.SEC	FS068	QN8DK	0.99	2,000.00	800.00 mg	804.00 mg	2,010.0
Bis(2-chloroethoxy)methane	111-91-1	R0253	15174900	0.99	1,000.00	400.00 mg	402.80 mg	1,007.0
2,2'-oxybis(1-chloropropane)	108-60-1	R0608	29-MAR-45-5	0.99	1,000.00	400.00 mg	402.20 mg	1,005.5
1,2-Dichlorobenzene	95-50-1.SEC	RS012	R6QDM	0.99	1,000.00	400.00 mg	402.20 mg	1,005.5
1,3-Dichlorobenzene	541-73-1.SEC	RS013	ZA2ZI	0.99	1,000.00	400.00 mg	402.40 mg	1,006.0
1,4-Dichlorobenzene	106-46-7.SEC	RS014	J5GVD	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
2-Methylnaphthalene	91-57-6.SEC	RS015	76023-1	0.99	1,000.00	400.00 mg	402.90 mg	1,007.3
1,2,4-Trichlorobenzene	120-82-1.SEC	RS016	IGLFA	0.99	1,000.00	400.00 mg	402.50 mg	1,006.3
Hexachlorobutadiene	87-68-3.SEC	RS017	13471600	0.97	1,000.00	412.37 mg	413.80 mg	1,003.5
Naphthalene	91-20-3.SEC	RS018	AM5NG	0.99	1,000.00	400.00 mg	402.20 mg	1,005.5
1,4-Dioxane	123-91-1.SEC	RS030	4ZVCG	0.99	1,000.00	400.00 mg	402.00 mg	1,005.0
4-Nitroaniline	100-01-6.SEC	RS031	5ITRC	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
4-Nitrophenol	100-02-7.SEC	RS032	RP241121S	0.99	2,000.00	800.00 mg	804.70 mg	2,011.8
Benzyl alcohol	100-51-6.SEC	RS034	QZBUO	0.99	1,000.00	400.00 mg	403.00 mg	1,007.5
4-Bromophenyl phenyl ether	101-55-3.SEC	RS035	84C6D	0.99	1,000.00	400.00 mg	402.00 mg	1,005.0
Azobenzene	103-33-3.SEC	RS036	MHV2A	0.98	1,000.00	408.16 mg	410.20 mg	1,005.0
4-Methylphenol (p-cresol)	106-44-5.SEC	RS038	65S2E	0.99	500.00	200.00 mg	200.90 mg	502.3
4-Chloroaniline	106-47-8.SEC	RS039	10171860	0.99	1,000.00	400.00 mg	402.70 mg	1,006.8
3-Methylphenol (m-cresol)	108-39-4.SEC	RS041	6LHTM	0.99	500.00	200.00 mg	201.20 mg	503.0
Phenol	108-95-2.SEC	RS042	EDPYN	0.99	1,000.00	400.00 mg	402.80 mg	1,007.0
Di-n-octyl phthalate	117-84-0.SEC	RS044	O8DLD	0.99	1,000.00	400.00 mg	401.90 mg	1,004.8

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Anthracene	120-12-7.SEC	RS045	WDFNJ	0.99	1,000.00	400.00 mg	402.10 mg	1,005.3
2,4-Dichlorophenol	120-83-2.SEC	RS046	FHM01	0.99	1,000.00	400.00 mg	402.20 mg	1,005.5
2,4-Dinitrotoluene	121-14-2.SEC	RS047	SHRSA	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
n-Decane (C10)	124-18-5.SEC	RS048	UCVNN	0.99	1,000.00	400.00 mg	403.00 mg	1,007.5
Pyrene	129-00-0.SEC	RS049	ROVJC	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
Dimethylphthalate	131-11-3.SEC	RS051	483WC	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
Dibenzofuran	132-64-9.SEC	RS052	27ZGC	0.99	1,000.00	400.00 mg	402.60 mg	1,006.5
Fluoranthene	206-44-0.SEC	RS054	FREGF	0.99	1,000.00	400.00 mg	402.10 mg	1,005.3
chrysene	218-01-9.SEC	RS055	RP240920S	0.99	1,000.00	400.00 mg	402.20 mg	1,005.5
Benzo(a)pyrene	50-32-8.SEC	RS056	ISLCP3775	0.97	1,000.00	412.37 mg	414.30 mg	1,004.7
2,4-Dinitrophenol	51-28-5.SEC	RS057	YTR6B	0.99	2,000.00	800.00 mg	803.40 mg	2,008.5
n-Hexadecane (C16)	544-76-3.SEC	RS058	A0328141	0.99	1,000.00	400.00 mg	403.20 mg	1,008.0
4-Chloro-3-methylphenol	59-50-7.SEC	RS060	FDO02	0.99	1,000.00	400.00 mg	402.60 mg	1,006.5
2,6-Dinitrotoluene	606-20-2.SEC	RS061	GE01	0.99	1,000.00	400.00 mg	401.80 mg	1,004.5
Aniline	62-53-3.SEC	RS062	ZCD3N	0.99	1,000.00	400.00 mg	402.00 mg	1,005.0
Hexachlorocyclopentadiene	77-47-4.SEC	RS065	15819900	0.99	1,000.00	400.00 mg	402.80 mg	1,007.0
Isophorone	78-59-1.SEC	RS066	XHGJI	0.98	1,000.00	408.16 mg	409.00 mg	1,002.1
Acenaphthene	83-32-9.SEC	RS068	BWZJE	0.99	1,000.00	400.00 mg	402.00 mg	1,005.0
Diethylphthalate	84-66-2.SEC	RS069	UMBJC	0.99	1,000.00	400.00 mg	402.80 mg	1,007.0
Di-n-butylphthalate	84-74-2.SEC	RS070	42FSG	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
Benzyl butyl phthalate	85-68-7.SEC	RS071	TMXHI	0.99	1,000.00	400.00 mg	402.60 mg	1,006.5
Carbazole	86-74-8.SEC	RS073	LMIZB	0.99	1,000.00	400.00 mg	402.00 mg	1,005.0
2,6-Dichlorophenol	87-65-0.SEC	RS074	SIDBB	0.99	1,000.00	400.00 mg	402.70 mg	1,006.8
2,4,6-Trichlorophenol	88-06-2.SEC	RS075	UUMYM	0.98	1,000.00	408.16 mg	410.90 mg	1,006.7
2-Nitroaniline	88-74-4.SEC	RS076	RP231006S	0.99	1,000.00	400.00 mg	402.10 mg	1,005.3
2-Nitrophenol	88-75-5.SEC	RS077	RP231023CTH	0.99	1,000.00	400.00 mg	402.70 mg	1,006.8
Biphenyl	92-52-4.SEC	RS078	33OQE	0.99	1,000.00	400.00 mg	403.00 mg	1,007.5
2-Methylphenol (o-cresol)	95-48-7.SEC	RS080	NC7HL	0.99	1,000.00	400.00 mg	402.90 mg	1,007.3
2-Chlorophenol	95-57-8.SEC	RS082	GJ01	0.99	1,000.00	400.00 mg	402.90 mg	1,007.3
1,2,4,5-Tetrachlorobenzene	95-94-3.SEC	RS083	AF02	0.99	1,000.00	400.00 mg	401.60 mg	1,004.0

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Acetophenone	98-86-2.SEC	RS084	NSGTI	0.99	1,000.00	400.00 mg	402.10 mg	1,005.3
Nitrobenzene	98-95-3.SEC	RS085	FLYIG	0.99	1,000.00	400.00 mg	402.70 mg	1,006.8
3-Nitroaniline	99-09-2.SEC	RS086	RP230509B	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
1,3-Dinitrobenzene	99-65-0.SEC	RS088	3XXLB	0.99	1,000.00	400.00 mg	402.20 mg	1,005.5
Bis(2-chloroethyl)ether	111-44-4.SE(	RS089	FA010143	0.99	1,000.00	400.00 mg	402.10 mg	1,005.3
Bis(2-ethylhexyl)phthalate	117-81-7.SE(	RS090	MT8AG	0.99	1,000.00	400.00 mg	402.70 mg	1,006.8
Benz(a)anthracene	56-55-3.SEC	RS091	JIU7N	0.99	1,000.00	400.00 mg	403.00 mg	1,007.5
n-Octadecane (C18)	593-45-3.SE(	RS092	A0406344	0.99	1,000.00	400.00 mg	402.80 mg	1,007.0
Hexachloroethane	67-72-1.SEC	RS094	10173016	0.99	1,000.00	400.00 mg	402.30 mg	1,005.8
4-Chlorophenyl phenyl ether	7005-72-3.SE	RS096	P31G	0.98	1,000.00	408.16 mg	410.40 mg	1,005.5
4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1.SE(	RS100	DR13924100	0.99	2,000.00	800.00 mg	804.00 mg	2,010.0
N-Nitroso-di-n-propylamine	621-64-7.SE(	RS104	9566100	0.99	1,000.00	400.00 mg	402.40 mg	1,006.0
1-Methylnaphthalene	90-12-0.SEC	RS118	OEE3F	0.99	1,000.00	400.00 mg	402.80 mg	1,007.0
Pentachlorophenol	87-86-5.SEC	RS119	15277300	0.99	2,000.00	800.00 mg	804.20 mg	2,010.5
Phenanthrene	85-01-8.SEC	RS122	8637000	0.98	1,000.00	408.16 mg	409.00 mg	1,002.1
Fluorene	86-73-7.SEC	RS123	14757200	0.98	1,000.00	408.16 mg	410.00 mg	1,004.5
Hexachlorobenzene	118-74-1.SE(	RS126	G1456068	0.99	1,000.00	400.00 mg	403.40 mg	1,008.5
2,4-Dimethylphenol	105-67-9.SE(	RS127	MKBL3650V	0.99	1,000.00	400.00 mg	403.10 mg	1,007.8
2-Chloronaphthalene	91-58-7.SEC	RS128	15549900	0.99	1,000.00	400.00 mg	402.50 mg	1,006.3
2,4,5-Trichlorophenol	95-95-4.SEC	RS129	MKBQ9937V	0.97	1,000.00	412.37 mg	415.00 mg	1,006.4
Benzo(g,h,i)perylene	191-24-2.SE(	RS135	RP240610S	0.96	1,000.00	416.67 mg	418.50 mg	1,004.4
Indeno(1,2,3-cd)pyrene	193-39-5.SE(	RS136	022013	0.99	1,000.00	400.00 mg	403.00 mg	1,007.5
Benzo(b)fluoranthene	205-99-2.SE(	RS137	53NSF	0.99	1,000.00	400.00 mg	402.60 mg	1,006.5
Benzo(k)fluoranthene	207-08-9.SE(	RS138	15550000	0.99	1,000.00	400.00 mg	402.90 mg	1,007.3
Acenaphthylene	208-96-8.SE(	RS139	0012013AN	0.97	1,000.00	412.37 mg	413.90 mg	1,003.7
Dibenz(a,h)anthracene	53-70-3.SEC	RS140	712061504-1-1	0.99	1,000.00	400.00 mg	401.90 mg	1,004.8
2,3,4,6-Tetrachlorophenol	58-90-2.SEC	RS141	B18W03261	0.99	1,000.00	400.00 mg	403.00 mg	1,007.5
Diphenylamine	122-39-4.SE(	RS268	10164691	0.99	850.00	340.00 mg	342.00 mg	855.0

COMPONENT	Runs of Lot # A0219584 (Cat# 571995) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0219885 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
1,4-Dioxane	77102	78989	77954	78015	945	1.21	75306	75411	75549	75422	122	0.16	3.32	PASS
N-Nitrosodimethylamine & Pyridine	453990	466311	459343	459881	6178	1.34	456156	455664	456983	456268	667	0.15	0.79	PASS
Phenol	190727	195750	192768	193082	2526	1.31	193710	193142	193645	193499	311	0.16	-0.22	PASS
Aniline	202260	207693	204479	204811	2732	1.33	201998	201356	201860	201738	338	0.17	1.50	PASS
Bis(2-chloroethyl)ether	69265	70996	69939	70067	873	1.25	68738	68628	68832	68733	102	0.15	1.90	PASS
n-Decane (C10) & 2-Chlorophenol	359269	368485	363371	363708	4617	1.27	357000	356883	357641	357175	408	0.11	1.80	PASS
1,3-Dichlorobenzene	134467	138042	136118	136209	1789	1.31	134904	134851	135123	134959	144	0.11	0.92	PASS
1,4-Dichlorobenzene	135182	138727	136726	136878	1777	1.30	134564	134477	134800	134614	167	0.12	1.65	PASS
Benzyl alcohol	205774	211478	208020	208424	2873	1.38	207977	207000	207462	207480	489	0.24	0.45	PASS
1,2-Dichlorobenzene	137179	140788	138754	138907	1809	1.30	135757	135559	135865	135727	155	0.11	2.29	PASS
2-Methylphenol (o-cresol)	201143	206619	203266	203676	2761	1.36	201585	200687	201211	201161	451	0.22	1.23	PASS
2,2'-oxybis(1-chloropropane)	94623	97118	95662	95801	1253	1.31	94753	94469	94708	94643	153	0.16	1.21	PASS
Acetophenone & 3-Methylphenol (m-cresol) & 4-Methylphenol (p-cresol)	396084	407287	399835	401069	5702	1.42	398036	395398	396864	396766	1322	0.33	1.07	PASS
N-Nitroso-di-n-propylamine	147843	151471	149697	149670	1814	1.21	147448	147022	146783	147084	337	0.23	1.73	PASS
Hexachloroethane	33307	34108	33657	33691	402	1.19	32956	33000	33053	33003	49	0.15	2.04	PASS
Nitrobenzene	155001	159067	156599	156889	2048	1.31	157490	156546	157087	157041	474	0.30	-0.10	PASS
Isophorone	197573	202936	199583	200031	2709	1.35	197165	195642	195906	196238	814	0.41	1.90	PASS
2-Nitrophenol	122163	125394	123592	123716	1619	1.31	123533	122858	123068	123153	345	0.28	0.46	PASS
2,4-Dimethylphenol	204691	210220	206970	207294	2779	1.34	205599	204446	204850	204965	585	0.29	1.12	PASS
Bis(2-chloroethoxy)methane	66396	68269	66922	67196	966	1.44	66697	66356	66494	66516	172	0.26	1.01	PASS
2,4-Dichlorophenol	114158	117214	115278	115550	1546	1.34	114475	113892	114212	114193	292	0.26	1.17	PASS
1,2,4-Trichlorobenzene	113030	115939	114232	114400	1462	1.28	113650	113143	113370	113388	254	0.22	0.89	PASS
Naphthalene	263451	270527	266154	266711	3571	1.34	263335	261913	262470	262573	717	0.27	1.55	PASS
2,6-Dichlorophenol & 4-Chloroaniline	267982	275172	270864	271339	3618	1.33	270207	268292	268849	269116	985	0.37	0.82	PASS
Hexachlorobutadiene	54373	55792	55007	55057	711	1.29	54941	54836	55091	54956	128	0.23	0.18	PASS
4-Chloro-3-methylphenol	157001	161001	158444	158815	2026	1.28	156852	155591	155766	156070	683	0.44	1.73	PASS
2-Methylnaphthalene	240491	246859	242938	243429	3212	1.32	261200	259265	259660	260042	1022	0.39	-6.82	PASS
1-Methylnaphthalene	259440	266214	262091	262582	3414	1.30	257563	255609	256050	256407	1025	0.40	2.35	PASS
1,2,4,5-Tetrachlorobenzene	99565	102131	100519	100738	1297	1.29	98725	97884	98568	98392	447	0.45	2.33	PASS
Hexachlorocyclopentadiene	59977	61410	60400	60596	736	1.22	56346	55929	56420	56232	265	0.47	7.20	PASS
2,4,6-Trichlorophenol	98057	100500	99112	99223	1225	1.23	97059	96294	96313	96555	436	0.45	2.69	PASS
2,4,5-Trichlorophenol	98780	101171	99800	99917	1200	1.20	98598	97836	97931	98122	415	0.42	1.80	PASS
2-Chloronaphthalene & Biphenyl	483467	495705	488387	489186	6158	1.26	484574	480645	481016	482078	2169	0.45	1.45	PASS
2-Nitroaniline	142418	144857	144077	143784	1246	0.87	142266	141358	141438	141687	503	0.35	1.46	PASS
Acenaphthylene & 1,3-Dinitrobenzene & Dimethylphthalate	520413	529503	526156	525357	4597	0.88	527178	523759	524043	524993	1897	0.36	0.07	PASS
2,6-Dinitrotoluene	124339	126165	125658	125387	943	0.75	125847	125146	125268	125420	375	0.30	-0.03	PASS
3-Nitroaniline	143075	144837	144178	144030	890	0.62	142030	141757	141226	141671	409	0.29	1.64	PASS
Acenaphthene	268856	274270	272410	271845	2751	1.01	269258	266857	268085	268067	1201	0.45	1.39	PASS

2,4-Dinitrophenol	179392	180756	183406	181185	2041	1.13	182823	180614	180710	181382	1249	0.69	-0.11	PASS
Dibenzofuran	235494	239554	238309	237786	2080	0.87	234792	233071	233149	233671	972	0.42	1.73	PASS
4-Nitrophenol	257446	259247	261519	259404	2041	0.79	255544	255174	256376	255698	616	0.24	1.43	PASS
2,4-Dinitrotoluene	129819	130771	131629	130740	905	0.69	127410	127120	127499	127343	198	0.16	2.60	PASS
2,3,4,6-Tetrachlorophenol	86604	87841	87606	87350	657	0.75	86834	86148	86233	86405	374	0.43	1.08	PASS
Fluorene & n-Hexadecane (C16)	518721	529274	524194	524063	5278	1.01	516609	513126	513529	514421	1905	0.37	1.84	PASS
Diethylphthalate & 4-Chlorophenyl phenyl ether	345760	350649	349569	348659	2568	0.74	344125	342144	342401	342890	1077	0.31	1.65	PASS
4-Nitroaniline	140105	140895	142161	141054	1037	0.74	139227	139260	139982	139490	427	0.31	1.11	PASS
4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	218100	219442	221231	219591	1571	0.72	212393	213649	214660	213567	1136	0.53	2.74	PASS
Diphenylamine	212873	216744	217242	215620	2392	1.11	212415	211845	212343	212201	310	0.15	1.59	PASS
Azobenzene	217994	219691	218600	218762	860	0.39	219140	217510	217316	217989	1002	0.46	0.35	PASS
4-Bromophenyl phenyl ether	157476	159211	159195	158627	997	0.63	157667	156981	157174	157274	354	0.22	0.85	PASS
Hexachlorobenzene	80480	81184	81417	81027	488	0.60	80237	79922	80066	80075	158	0.20	1.17	PASS
Pentachlorophenol	164764	165872	167698	166111	1482	0.89	154870	155159	155922	155317	544	0.35	6.50	PASS
n-Octadecane (C18) & Phenanthrene	523263	529979	529284	527509	3693	0.70	523000	520737	521896	521878	1132	0.22	1.07	PASS
Anthracene	279242	280476	282969	280896	1899	0.68	277209	276981	278229	277473	665	0.24	1.22	PASS
Carbazole	249058	250078	252657	250598	1855	0.74	248860	248873	250536	249423	964	0.39	0.47	PASS
Di-n-butylphthalate	164042	164364	166390	164932	1273	0.77	173700	173859	174927	174162	667	0.38	-5.60	PASS
Fluoranthene	274295	276165	278052	276171	1879	0.68	275739	275485	277510	276245	1103	0.40	-0.03	PASS
Pyrene	277240	279355	281217	279271	1990	0.71	275562	274945	277079	275862	1098	0.40	1.22	PASS
Benzyl butyl phthalate	175538	177554	177922	177005	1283	0.73	183629	182863	184366	183619	752	0.41	-3.74	PASS
Benz(a)anthracene	273735	277575	277009	276106	2073	0.75	273510	272820	274255	273528	718	0.26	0.93	PASS
Chrysene	270017	273841	273257	272372	2060	0.76	269665	269015	270296	269659	641	0.24	1.00	PASS
Bis(2-ethylhexyl)phthalate	192638	195056	195249	194314	1455	0.75	197303	196307	197910	197173	809	0.41	-1.47	PASS
Di-n-octyl phthalate	177237	179859	179260	178785	1374	0.77	185791	185195	186195	185727	503	0.27	-3.88	PASS
Benzo(b)fluoranthene	268417	272342	272056	270938	2188	0.81	272025	271219	271928	271724	440	0.16	-0.29	PASS
Benzo(k)fluoranthene	275469	279433	278642	277848	2098	0.76	270763	270524	271084	270790	281	0.10	2.54	PASS
Benzo(a)pyrene	267244	271150	270418	269604	2076	0.77	266567	265957	266591	266372	359	0.13	1.20	PASS
Indeno(1,2,3-cd)pyrene	279406	283567	283326	282100	2336	0.83	258833	261064	263150	261016	2159	0.83	7.47	PASS
Dibenz(a,h)anthracene	268357	272037	271374	270589	1961	0.72	264629	264804	265815	265083	640	0.24	2.04	PASS
Benzo(g,h,i)perylene	267578	270935	270585	269699	1845	0.68	245280	255799	259613	253564	7423	2.93	5.98	PASS

Reagent

SMLIST1 SS S9_00013



Reference Standard Data Pack

8270 List 1 / Std #9

Catalog # 569730.SEC

Lot # A0224696

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730.SEC **Lot No.:** A0224696

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5.SEC	4458600	99%	2,014.7 µg/mL	+/- 37.2571
2	3,3'-Dichlorobenzidine	91-94-1.SEC	15337800	99%	2,017.3 µg/mL	+/- 37.3064

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

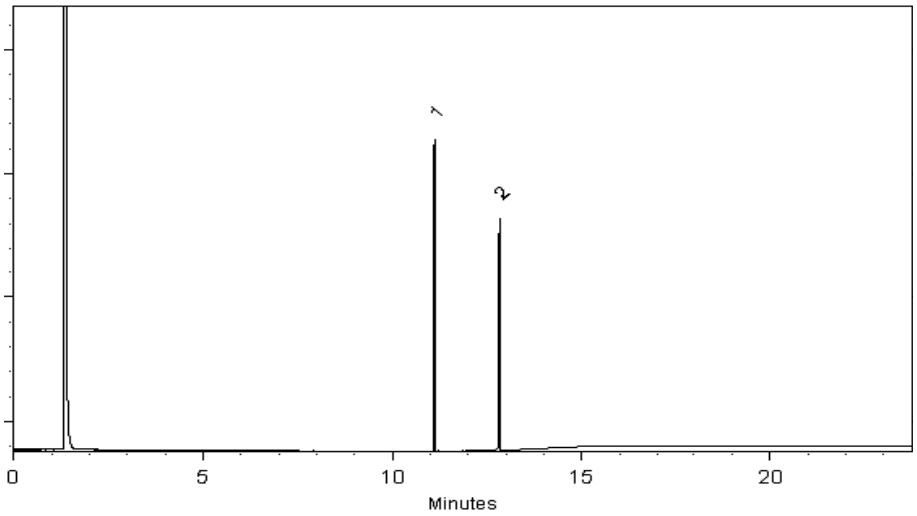
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 16-Apr-2025 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Apr-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0224696

Catalog #: 569730.SEC	**Target:** 2000 ug/mL	
Description: 8270 List 1 / Std #9		
Solvent: Methylene chloride	**Solvent Lot:** 244734	**Final Volume:** 150 ml

Made by: Malina Homan	**Date:** 4/16/2025 3:39:12PM	
Tested by: Alicia Leathers	**Date:** 4/17/2025 6:26:39AM	
Pass	**By:** Jennifer Pollino	**Date:** 4/18/2025 6:16:52AM
Packaged by: Malina Homan / Morgan Craighead	**Date:** 4/16/2025 8:18:36PM	**No. Units:** 24 **Pkg Size:** 5 mL
Balance Used: BEDE001734 XP205	**Serial #:** 1128353505	

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Benzidine	92-87-5.SEC	CALS008	4458600	0.99	2,000.00	300.00 mg	302.20 mg	2,014.7
3,3'-Dichlorobenzidine	91-94-1.SEC	CALS009	15337800	0.99	2,000.00	300.00 mg	302.60 mg	2,017.3

QC Report: 8270 List 1 / Std #9 (Cat#569730.SEC)

	Runs of Lot # A0211034 (Cat#569730)						Runs of Lot # A0224696							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Benzidine	90231	88805	82853	87296	3914	4.48	88170	89263	87620	88351	836	0.95	-1.21	PASS
3,3'-Dichlorobenzidine	67533	66689	62427	65550	2737	4.18	67467	68495	67301	67754	647	0.95	-3.36	PASS

Reagent

SMLIST1 SURR_00017

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A0172807

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Fluorophenol **CAS #** 367-12-4 (Lot STBJ2508) **Purity** 99%	5,004.6 µg/mL	+/- 29.0972 µg/mL +/- 146.0510 µg/mL +/- 177.2273 µg/mL	Gravimetric Unstressed Stressed
2	Phenol-d5 **CAS #** 4165-62-2 (Lot CD-105) **Purity** 99%	5,011.4 µg/mL	+/- 29.1367 µg/mL +/- 146.2494 µg/mL +/- 177.4681 µg/mL	Gravimetric Unstressed Stressed
3	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940B) **Purity** 99%	5,003.0 µg/mL	+/- 29.0879 µg/mL +/- 146.0043 µg/mL +/- 177.1706 µg/mL	Gravimetric Unstressed Stressed
4	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00019169) **Purity** 99%	5,010.2 µg/mL	+/- 29.1297 µg/mL +/- 146.2144 µg/mL +/- 177.4256 µg/mL	Gravimetric Unstressed Stressed
5	2,4,6-Tribromophenol **CAS #** 118-79-6 (Lot MKCJ7664) **Purity** 99%	5,003.9 µg/mL	+/- 29.0931 µg/mL +/- 146.0306 µg/mL +/- 177.2025 µg/mL	Gravimetric Unstressed Stressed
6	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,013.8 µg/mL	+/- 29.1507 µg/mL +/- 146.3195 µg/mL +/- 177.5531 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

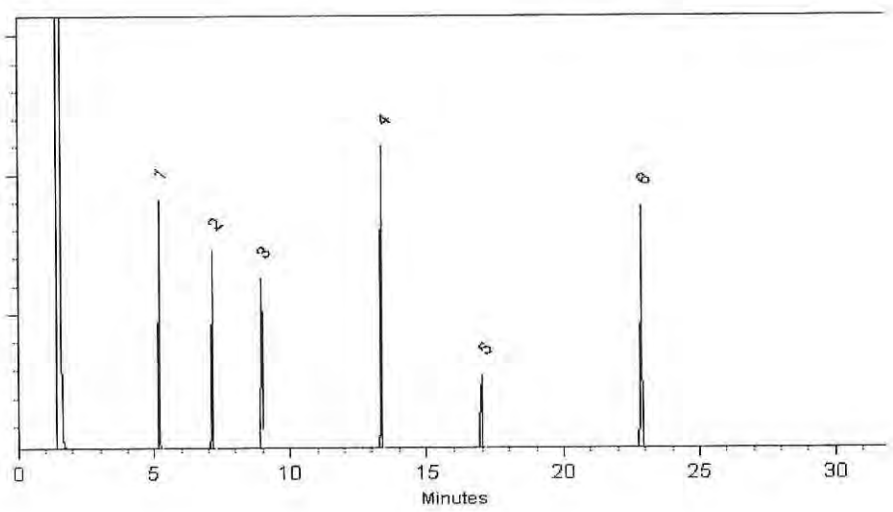
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 27-May-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 28-May-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SMLIST1 SURR_00018

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567685 **Lot No.:** A0184539

Description : 8270 Surrogate Standard

8270 Surrogate Standard 5,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBJ3299)	5,023.5 µg/mL	+/- 29.2073 µg/mL +/- 146.6035 µg/mL +/- 177.8977 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d5 **CAS #** 4165-62-2 **Purity** 99%	(Lot GH-100)	5,000.1 µg/mL	+/- 29.0708 µg/mL +/- 145.9187 µg/mL +/- 177.0667 µg/mL		Gravimetric Unstressed Stressed
3	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	(Lot PR-29940A)	5,012.6 µg/mL	+/- 29.1437 µg/mL +/- 146.2845 µg/mL +/- 177.5106 µg/mL		Gravimetric Unstressed Stressed
4	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	(Lot 00021384)	5,004.9 µg/mL	+/- 29.0991 µg/mL +/- 146.0607 µg/mL +/- 177.2391 µg/mL		Gravimetric Unstressed Stressed
5	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	5,009.7 µg/mL	+/- 29.1270 µg/mL +/- 146.2008 µg/mL +/- 177.4091 µg/mL		Gravimetric Unstressed Stressed
6	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99%	(Lot PR-30504)	5,005.8 µg/mL	+/- 29.1042 µg/mL +/- 146.0860 µg/mL +/- 177.2698 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

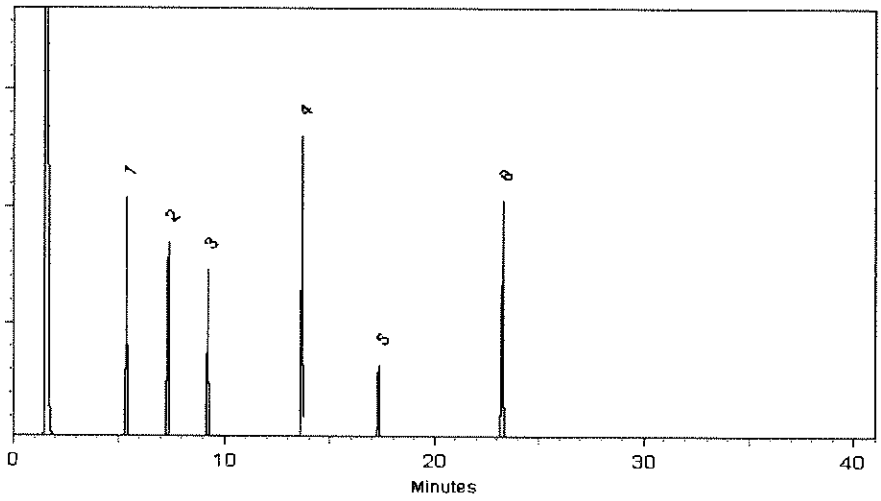
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2022 **Balance:** 1128360905

Date Passed: 29-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SMLIST2 S1_00029



Reference Standard Data Pack

8270 Supplemental Standard #1

Catalog # 570667

Lot # A0223314

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667 **Lot No.:** A0223314

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8	STBJ3945	99%	1,002.7 µg/mL	+/- 18.5650
2	N-Nitrosomethylethylamine	10595-95-6	SL240628	99%	1,000.7 µg/mL	+/- 18.5280
3	Acrylamide	79-06-1	01402JA	99%	1,001.3 µg/mL	+/- 18.5403
4	N-Nitrosodiethylamine	55-18-5	UT2EJ	99%	1,002.0 µg/mL	+/- 18.5527
5	N-Nitrosopyrrolidine	930-55-2	711999842-6-1	99%	1,001.3 µg/mL	+/- 18.5403
6	o-Toluidine	95-53-4	03417PZ	99%	1,005.3 µg/mL	+/- 18.6144
7	N-Nitrosomorpholine	59-89-2	GOJNI	99%	1,002.0 µg/mL	+/- 18.5527
8	N-Nitrosopiperidine	100-75-4	15849500	99%	1,004.0 µg/mL	+/- 18.5897
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8	RP250317RSR	99%	1,003.3 µg/mL	+/- 18.5774
10	Quinoline	91-22-5	IFJEH	99%	1,002.0 µg/mL	+/- 18.5527
11	N-Nitrosodi-n-butylamine	924-16-3	7BSAG	99%	1,003.3 µg/mL	+/- 18.5774
12	1,4-Phenylenediamine	106-50-3	15834600	99%	1,005.3 µg/mL	+/- 18.6144
13	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,001.3 µg/mL	+/- 18.5403
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7	WRJNI	99%	1,000.0 µg/mL	+/- 18.5156
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8	825404	99%	1,001.3 µg/mL	+/- 18.5403

16	5-Nitro-o-toluidine	99-55-8	H67GL	99%	1,005.3	µg/mL	+/- 18.6144
17	1,3,5-Trinitrobenzene	99-35-4	A6TDK	99%	1,002.0	µg/mL	+/- 18.5527
18	Phenacetin	62-44-2	317935/11192	99%	1,002.0	µg/mL	+/- 18.5527
19	4-Aminobiphenyl	92-67-1	SLCD6545	99%	1,002.7	µg/mL	+/- 18.5650
20	Propyzamide	23950-58-5	15574800	99%	1,002.0	µg/mL	+/- 18.5527
21	Pentachloronitrobenzene (quintozene)	82-68-8	15781900	98%	1,009.4	µg/mL	+/- 18.6897
22	4-Nitroquinoline-N-oxide	56-57-5	WXBF2413V	97%	997.8	µg/mL	+/- 18.4750
23	p-Dimethylaminoazobenzene	60-11-7	BCBP8840V	98%	1,004.2	µg/mL	+/- 18.5929
24	3,3'-Dimethylbenzidine (o-tolidine)	119-93-7	RP241008RSR	99%	1,000.0	µg/mL	+/- 18.5156
25	2-Acetylaminofluorene	53-96-3	WZDQE	99%	1,002.0	µg/mL	+/- 18.5527
26	4,4'-Methylene-bis(2-chloroaniline)	101-14-4	RP230106	97%	997.8	µg/mL	+/- 18.4750
27	Dibenz(a,h)acridine	226-36-8	012016	99%	1,002.0	µg/mL	+/- 18.5527

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

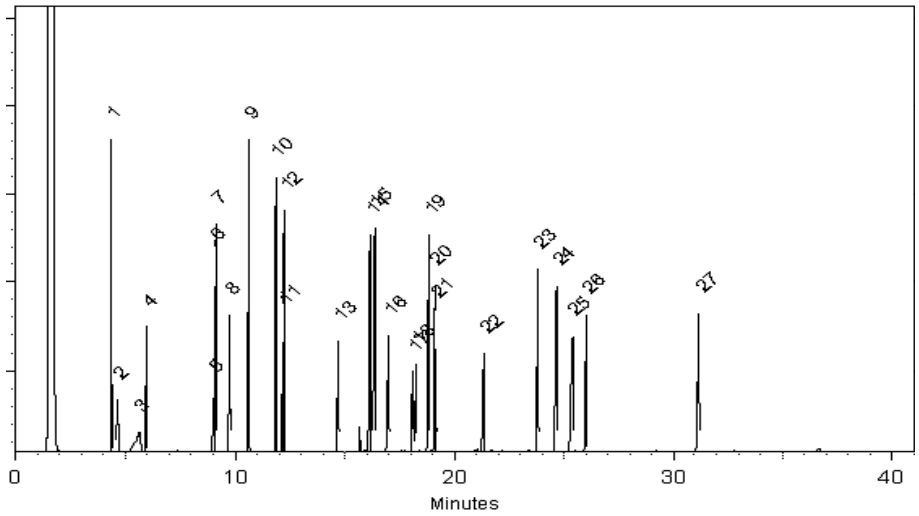
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Rebecca Gingerich - Operations Tech II

Date Mixed: 13-Mar-2025 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Mar-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0223314

Catalog #: 570667	**Target:** 1000 ug/mL	
Description: 8270 Supplemental Standard #1		
Solvent: Methylene chloride	**Solvent Lot:** 244236	**Final Volume:** 150 ml

Made by: Rebecca Gingerich	**Date:** 3/20/2025 11:55:30AM		
Tested by: Alicia Leathers	**Date:** 3/21/2025 9:08:34AM		
Pass	**By:** Jennifer Pollino	**Date:** 3/24/2025 8:03:43AM	
Packaged by: Jess Hoy / Rebecca Gingerich	**Date:** 3/20/2025 1:45:34PM	**No. Units:** 106	**Pkg Size:** 1 mL
Balance Used: BEDE1J8ZGP2 XPR504	**Serial #:** C322230531		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
1-Naphthylamine (1-aminonaphthalene)	134-32-7	CAL001	WRJNI	0.99	1,000.00	150.00 mg	150.00 mg	1,000.0
2-Naphthylamine (2-aminonaphthalene)	91-59-8	CAL005	825404	0.99	1,000.00	150.00 mg	150.20 mg	1,001.3
4-Aminobiphenyl	92-67-1	CAL007	SLCD6545	0.99	1,000.00	150.00 mg	150.40 mg	1,002.7
2-Acetylaminofluorene	53-96-3	CAL010	WZDQE	0.99	1,000.00	150.00 mg	150.30 mg	1,002.0
p-Dimethylaminoazobenzene	60-11-7	CAL011	BCBP8840V	0.98	1,000.00	153.06 mg	153.70 mg	1,004.2
1,3,5-Trinitrobenzene	99-35-4	EB-022	A6TDK	0.99	1,000.00	150.00 mg	150.30 mg	1,002.0
2-Picoline	109-06-8	R0030	STBJ3945	0.99	1,000.00	150.00 mg	150.40 mg	1,002.7
1,4-Phenylenediamine	106-50-3	R0304	15834600	0.99	1,000.00	150.00 mg	150.80 mg	1,005.3
Acrylamide	79-06-1	R0367	01402JA	0.99	1,000.00	150.00 mg	150.20 mg	1,001.3
Dibenz(a,h)acridine	226-36-8	R0444	012016	0.99	1,000.00	150.00 mg	150.30 mg	1,002.0
Pentachloronitrobenzene (quintozene)	82-68-8	R0558	15781900	0.98	1,000.00	153.06 mg	154.50 mg	1,009.4
Propyzamide	23950-58-5	R0576	15574800	0.99	1,000.00	150.00 mg	150.30 mg	1,002.0
5-Nitro-o-toluidine	99-55-8	R0671	H67GL	0.99	1,000.00	150.00 mg	150.80 mg	1,005.3
4-Nitroquinoline-N-oxide	56-57-5	R0672	WXBF2413V	0.97	1,000.00	154.64 mg	154.30 mg	997.8
N-Nitrosodi-n-butylamine	924-16-3	R0673	7BSAG	0.99	1,000.00	150.00 mg	150.50 mg	1,003.3
N-Nitrosodiethylamine	55-18-5	R0674	UT2EJ	0.99	1,000.00	150.00 mg	150.30 mg	1,002.0
N-Nitrosomethylethylamine	10595-95-6	R0675	SL240628	0.99	1,000.00	150.00 mg	150.10 mg	1,000.7
N-Nitrosomorpholine	59-89-2	R0676	GOJNI	0.99	1,000.00	150.00 mg	150.30 mg	1,002.0
N-Nitrosopiperidine	100-75-4	R0677	15849500	0.99	1,000.00	150.00 mg	150.60 mg	1,004.0
N-Nitrosopyrrolidine	930-55-2	R0678	711999842-6-1	0.99	1,000.00	150.00 mg	150.20 mg	1,001.3
o-Toluidine	95-53-4	R0680	03417PZ	0.99	1,000.00	150.00 mg	150.80 mg	1,005.3
3,3'-Dimethylbenzidine (o-tolidine)	119-93-7	R0689	RP241008RSR	0.99	1,000.00	150.00 mg	150.00 mg	1,000.0

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Quinoline	91-22-5	R0731	IFJEH	0.99	1,000.00	150.00 mg	150.30 mg	1,002.0
1,4-Dinitrobenzene	100-25-4	R0774	RP240703RSR	0.99	1,000.00	150.00 mg	150.20 mg	1,001.3
4,4'-Methylene-bis(2-chloroaniline)	101-14-4	R0915	RP230106	0.97	1,000.00	154.64 mg	154.30 mg	997.8
Phenacetin	62-44-2	R1942	317935/11192	0.99	1,000.00	150.00 mg	150.30 mg	1,002.0
Phentermine (a,a-Dimethylphenethylamine)	122-09-8	V001	RP250317RSR	0.99	1,000.00	150.00 mg	150.50 mg	1,003.3

QA Report: 8270 Supplemental Standard #1 (Cat.#570667)

COMPONENT	Runs of Lot # A0221450 (Cat#570667.SEC) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0223314 (Cat#570667.SEC) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
2-Picoline	1563410	1545405	1537733	1548849	13180	0.85	1552375	1513977	1545010	1537121	20378	1.33	0.76	PASS
N-Nitrosodimethylethylamine	839213	829453	825993	831553	6856	0.82	839578	817507	834183	830423	11506	1.39	0.14	PASS
Acryamide	837187	827411	823648	829415	6989	0.84	825415	807236	821782	818144	9620	1.18	1.36	PASS
N-Nitrosodiethylamine	992472	981701	977294	983822	7808	0.79	991361	967649	986770	981927	12576	1.28	0.19	PASS
N-Nitrosopyrrolidine, o-toluidine, & N-Nitrsomorpholine	3440093	3399941	3384224	3408086	28811	0.85	3434389	3354607	3419968	3402988	42515	1.25	0.15	PASS
N-Nitrosopiperidine	1161559	1147980	1142464	1150668	9827	0.85	1149987	1123122	1145449	1139519	14381	1.26	0.97	PASS
Phentermine	1793323	1774956	1766268	1778182	13813	0.78	1729851	1689130	1732356	1717112	24266	1.41	3.43	PASS
Quinoline	1868042	1845788	1837924	1850585	15621	0.84	1862873	1819584	1856421	1846293	23354	1.26	0.23	PASS
N-Nitrosodi-n-butylamine & 1,4-Phenylenediamine	2788850	2760658	2749539	2766349	20264	0.73	2583497	2529303	2581401	2564734	30702	1.20	7.29	PASS
1,4-Dinitrobenzene	915222	906471	902899	908197	6340	0.70	921861	901572	919654	914362	11132	1.22	-0.68	PASS
1-Naphthylamine (1-Aminonaphthalene)	2006801	1968958	1955718	1977159	26511	1.34	1941707	1901134	1941321	1928054	23314	1.21	2.48	PASS
2-Naphthylamine (2-Aminonaphthalene)	1856965	1835625	1828609	1840400	14769	0.80	1851921	1811070	1848151	1837047	22576	1.23	0.18	PASS
5-Nitro-o-toluidine	1239454	1222597	1216768	1226273	11781	0.96	1222151	1193378	1217586	1211038	15464	1.28	1.24	PASS
1,3,5-Trinitrobenzene	681644	681936	683117	682232	780	0.11	687361	671244	684148	680918	8530	1.25	0.19	PASS
Phenacetin	1282874	1257010	1247510	1262465	18302	1.45	1270692	1240018	1263954	1258221	16121	1.28	0.34	PASS
4-Aminobiphenyl	1910038	1886734	1878548	1891773	16339	0.86	1916204	1869818	1908780	1898267	24916	1.31	-0.34	PASS
Propyzamide & Pentachloronitrobenzene (Quintozene)	1788370	1766407	1758344	1771040	15540	0.88	1770970	1729735	1764946	1755217	22273	1.27	0.89	PASS
4-Nitroquinoline-N-oxide	1011842	1027951	1034309	1024701	11581	1.13	1025898	978300	978734	994311	27356	2.75	2.97	PASS
p-Dimethylaminoazobenzene	1540893	1517373	1510086	1522784	16101	1.06	1616303	1579073	1612018	1602465	20371	1.27	-5.23	PASS
3,3'-Dimethylbenzidine (o-Tolidine)	1700379	1676024	1669202	1681868	16390	0.97	1648452	1596658	1623471	1622860	25902	1.60	3.51	PASS
2-Acetylaminofluorene	1564962	1543484	1540107	1549518	13481	0.87	1529395	1492267	1521339	1514334	19530	1.29	2.27	PASS
4,4'-Methylene-bis (2-Chloroaniline)	1254149	1234209	1228378	1238912	13514	1.09	1236058	1205476	1231199	1224244	16434	1.34	1.18	PASS
Dibenz(a,h)acridine	1663796	1642454	1635168	1647139	14878	0.90	1739054	1704660	1738658	1727457	19744	1.14	-4.88	PASS

Reagent

SMLIST2 S2_00033



Reference Standard Data Pack

8270 List 2 / Std #2 (2015)

Catalog # 569733

Lot # A0223205

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733 **Lot No.:** A0223205

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3	MKCT0680	99%	1,004.0 µg/mL	+/- 23.0304
2	Ethyl methanesulfonate	62-50-0	H6VUB	99%	1,002.5 µg/mL	+/- 22.9960
3	Pentachloroethane	76-01-7	15627600	97%	1,004.0 µg/mL	+/- 23.0292
4	Hexachloropropene	1888-71-7	14690500	99%	1,004.5 µg/mL	+/- 23.0418
5	Isosafrole (cis & trans) 16% cis; 84% trans	120-58-1	MKBZ0058V	97%	1,002.0 µg/mL	+/- 22.9847
6	1-Chloronaphthalene	90-13-1	TXRHO	98%	1,001.1 µg/mL	+/- 22.9632
7	1,4-Naphthoquinone	130-15-4	13230700	99%	1,002.0 µg/mL	+/- 22.9845
8	Pentachlorobenzene	608-93-5	MKCS7191	99%	1,004.0 µg/mL	+/- 23.0304
9	2,3,5,6-Tetrachlorophenol	935-95-5	RP250122ECS	99%	1,003.0 µg/mL	+/- 23.0074
10	Dinoseb	88-85-7	S241122RSR-1	98%	1,009.9 µg/mL	+/- 23.1655
11	Isodrin	465-73-6	15745200	98%	1,001.1 µg/mL	+/- 22.9632
12	Chlorobenzilate	510-15-6	15268200	98%	1,001.6 µg/mL	+/- 22.9744
13	7,12-Dimethylbenz(a)anthracene	57-97-6	GZ3DM	99%	1,003.5 µg/mL	+/- 23.0189

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

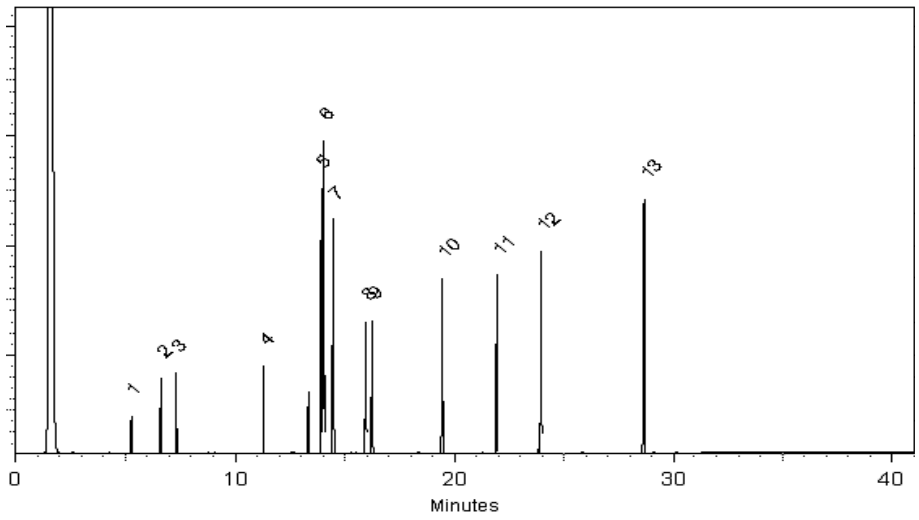
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 11-Mar-2025 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Mar-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0223205

Catalog #: 569733	**Target:** 1000 ug/mL	
Description: 8270 List 2 / Std #2 (2015)		
Solvent: Methylene chloride	**Solvent Lot:** 245864	**Final Volume:** 200 ml

Made by: Laith Clemente	**Date:** 3/12/2025 8:55:12AM		
Tested by: Alicia Leathers	**Date:** 3/13/2025 6:59:29AM		
Pass	**By:** Jennifer Pollino	**Date:** 3/14/2025 9:34:10AM	
Packaged by: Rebecca Gingerich / Laith Clemente	**Date:** 3/12/2025 11:17:37A	**No. Units:** 138	**Pkg Size:** 1 mL
Balance Used: BEDE001735 XP205	**Serial #:** 1128360905		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Pentachloroethane	76-01-7	F0084	15627600	0.97	1,000.00	206.19 mg	207.00 mg	1,004.0
Dinoseb	88-85-7	R0553	S241122RSR-1	0.98	1,000.00	204.08 mg	206.10 mg	1,009.9
Pentachlorobenzene	608-93-5	R0554	MKCS7191	0.99	1,000.00	200.00 mg	200.80 mg	1,004.0
Chlorobenzilate	510-15-6	R0556	15268200	0.98	1,000.00	204.08 mg	204.40 mg	1,001.6
Isodrin	465-73-6	R0683	15745200	0.98	1,000.00	204.08 mg	204.30 mg	1,001.1
7,12-Dimethylbenz(a)anthracene	57-97-6	R0688	GZ3DM	0.99	1,000.00	200.00 mg	200.70 mg	1,003.5
Ethyl methanesulfonate	62-50-0	R0692	H6VUB	0.99	1,000.00	200.00 mg	200.50 mg	1,002.5
Hexachloropropene	1888-71-7	R0693	14690500	0.99	1,000.00	200.00 mg	200.90 mg	1,004.5
Isosafrole (cis & trans)	120-58-1	R0694	MKBZ0058V	0.97	1,000.00	206.19 mg	206.60 mg	1,002.0
Methyl methanesulfonate	66-27-3	R0697	MKCT0680	0.99	1,000.00	200.00 mg	200.80 mg	1,004.0
1,4-Naphthoquinone	130-15-4	R0698	13230700	0.99	1,000.00	200.00 mg	200.40 mg	1,002.0
2,3,5,6-Tetrachlorophenol	935-95-5	R0703	RP250122ECS	0.99	1,000.00	200.00 mg	200.60 mg	1,003.0
1-Chloronaphthalene	90-13-1	R0795	TXRHO	0.98	1,000.00	204.08 mg	204.30 mg	1,001.1

QA Report: 8270 List 2 / Std #2 (2015) (Cat.#569733)

	Runs of Lot # A0220210 (Cat#569733.SEC)						Runs of Lot # A0223205							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Methyl methanesulfonate	180871	185954	179672	182166	3335	1.83	183574	193186	195345	190702	6266	3.29	-4.69	PASS
Ethyl methanesulfonate	366397	375408	362820	368208	6487	1.76	368870	387986	392061	382972	12382	3.23	-4.01	PASS
Pentachloroethane	211647	217475	210253	213125	3831	1.80	210947	222096	223944	218996	7031	3.21	-2.75	PASS
Hexachloropropene	251132	257878	249355	252788	4496	1.78	249977	263020	265516	259504	8345	3.22	-2.66	PASS
Isosafrole (cis & trans)	122427	125427	120980	122945	2268	1.84	165186	173455	175277	171306	5378	3.14		
Isosafrole (cis & trans)	902954	924820	892245	906673	16603	1.83	880038	924264	933971	912758	28749	3.15		
Total Isosafrole	1025381	1050247	1013225	1029618	18871	1.83	1045224	1097719	1109248	1084064	34127	3.15	-5.29	PASS
1-Chloronaphthalene	1242812	1272770	1228264	1247949	22693	1.82	1249800	1312606	1326571	1296326	40893	3.15	-3.88	PASS
1,4-Naphthoquinone	1081725	1108808	1069408	1086647	20156	1.85	1062591	1118269	1128142	1103001	35342	3.20	-1.50	PASS
Pentachlorobenzene	503952	516196	498058	506069	9252	1.83	508943	534377	539911	527744	16515	3.13	-4.28	PASS
2,3,5,6-Tetrachlorophenol	485604	499676	482297	489192	9228	1.89	496688	521346	526837	514957	16058	3.12	-5.27	PASS
Dinoseb	757996	782096	754180	764757	15136	1.98	795053	834004	842853	823970	25431	3.09	-7.74	PASS
Isodrin	667420	684115	659706	670414	12477	1.86	681500	715030	722700	706410	21911	3.10	-5.37	PASS
Chlorobenzilate	890703	912129	879878	894237	16413	1.84	880880	922399	932806	912028	27473	3.01	-1.99	PASS
7,12-Dimethylbenz(a)anthracene	1543436	1580278	1524871	1549528	28201	1.82	1550079	1622369	1641113	1604520	48070	3.00	-3.55	PASS

Reagent

SMLIST2 S4_00021



Reference Standard Data Pack

8270 List 2 / Std #4

Catalog # 567681

Lot # A0218899

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681 **Lot No.:** A0218899

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1	2-KRR-57-1	98%	1,003.2 µg/mL	+/- 45.7962
2	Safrole	94-59-7	322225/11292	99%	1,003.1 µg/mL	+/- 45.7949
3	Zinophos (thionazine)	297-97-2	15755700	99%	1,003.4 µg/mL	+/- 45.8063
4	Sulfotepp	3689-24-5	15403200	97%	1,006.1 µg/mL	+/- 45.9322
5	Diallate (cis and trans) 74% cis-Diallate; 26% trans-Diallate	2303-16-4	15517500	98%	1,003.5 µg/mL	+/- 45.8129
6	Phorate	298-02-2	15495900	99%	1,003.0 µg/mL	+/- 45.7892
7	Dimethoate	60-51-5	15665700	99%	1,003.3 µg/mL	+/- 45.8006
8	Disulfoton	298-04-4	15536400	99%	1,003.4 µg/mL	+/- 45.8063
9	Methyl parathion	298-00-0	15493800	99%	1,004.0 µg/mL	+/- 45.8348
10	Parathion (Ethyl parathion)	56-38-2	822666	99%	1,004.4 µg/mL	+/- 45.8520
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8	15464900	99%	1,003.3 µg/mL	+/- 45.8006
12	Famphur	52-85-7	15268300	99%	1,003.6 µg/mL	+/- 45.8177

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

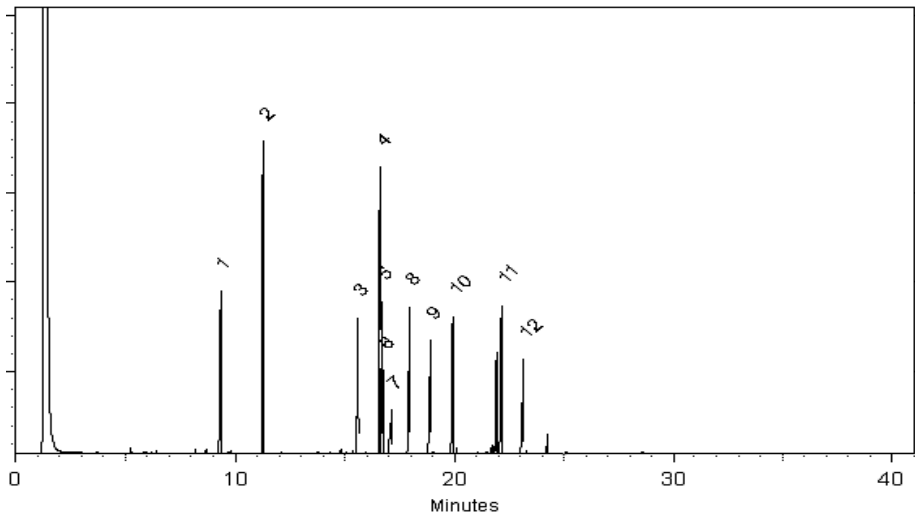
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 08-Nov-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 12-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0218899

Catalog #: 567681	**Target:** 1000 ug/mL	
Description: 8270 List 2 / Std #4		
Solvent: Methylene chloride	**Solvent Lot:** 242215	**Final Volume:** 80 ml

Made by: Penelope Riglin	**Date:** 11/10/2024 9:56:41PM		
Tested by: Jennifer Pollino	**Date:** 11/11/2024 7:34:25AM		
Pass	**By:** Jennifer Pollino	**Date:** 11/12/2024 1:33:51PM	
Packaged by: Penelope Riglin / Penelope Riglin	**Date:** 11/10/2024 11:53:34	**No. Units:** 50	**Pkg Size:** 1 mL
Balance Used: BEDE001735 XP205	**Serial #:** 1128360905		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Aramite	140-57-8	F0174	15464900	0.99	1,000.00	80.00 mg	80.26 mg	1,003.3
Sulfotepp	3689-24-5	R0291	15403200	0.97	1,000.00	82.47 mg	82.98 mg	1,006.1
Methyl parathion	298-00-0	R0551	15493800	0.99	1,000.00	80.00 mg	80.32 mg	1,004.0
Parathion (Ethyl parathion)	56-38-2	R0552	822666	0.99	1,000.00	80.00 mg	80.35 mg	1,004.4
Phorate	298-02-2	R0567	15495900	0.99	1,000.00	80.00 mg	80.24 mg	1,003.0
Disulfoton	298-04-4	R0585	15536400	0.99	1,000.00	80.00 mg	80.27 mg	1,003.4
Dimethoate	60-51-5	R0586	15665700	0.99	1,000.00	80.00 mg	80.26 mg	1,003.3
Safrole	94-59-7	R0679	322225/11292	0.99	1,000.00	80.00 mg	80.25 mg	1,003.1
Diallate (cis and trans)	2303-16-4	R0687	15517500	0.98	1,000.00	81.63 mg	81.92 mg	1,003.5
o,o,o-Triethyl phosphorothioate	126-68-1	R0702	2-KRR-57-1	0.98	1,000.00	81.63 mg	81.89 mg	1,003.2
Zinophos (thionazine)	297-97-2	R0728	15755700	0.99	1,000.00	80.00 mg	80.27 mg	1,003.4
Famphur	52-85-7	R0796	15268300	0.99	1,000.00	80.00 mg	80.29 mg	1,003.6

QA Report: 8270 List 2 / Std #4 (Cat.#567681)

COMPONENT	Runs of Lot # A0214408 (Cat#567681.sec) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0218899 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
o,o,o-Triethyl phosphorothioate	1244702	1252453	1267308	1254821	11488	0.92	1243449	1255391	1237904	1245581	8936	0.72	0.74	PASS
Safrole	2452403	2468014	2495185	2471867	21650	0.88	2458975	2477843	2444687	2460502	16631	0.68	0.46	PASS
Zinophos	1267969	1278443	1289263	1278558	10647	0.83	1243635	1245872	1235450	1241652	5487	0.44	2.89	PASS
Sulfotepp	2497108	2532938	2551805	2527284	27783	1.10	2404863	2410284	2404128	2406425	3362	0.14	4.78	PASS
Diallate (cis)	895356	888916	898067	894113	4700	0.53	958324	961244	938172	952580	12563	1.32		
Phorate	398989	402502	406490	402660	3753	0.93	401120	402366	398626	400704	1904	0.48	0.49	PASS
Diallate (trans)	727186	733426	740896	733836	6864	0.94	713138	714930	710935	713001	2001	0.28		
Total Diallate (cis & trans)	1622542	1622342	1638963	1627949	9539	0.59	1671462	1676174	1649107	1665581	14460	0.87	-2.31	PASS
Dimethoate	1322225	1334458	1344472	1333718	11142	0.84	1304119	1307282	1296602	1302668	5486	0.42	2.33	PASS
Disulfoton	1298464	1309501	1322722	1310229	12145	0.93	1259801	1262183	1254348	1258777	4017	0.32	3.93	PASS
Methyl parathion	1490767	1504617	1516083	1503822	12677	0.84	1499682	1502590	1493144	1498472	4838	0.32	0.36	PASS
Parathion	686066	691305	695848	691073	4895	0.71	688369	688909	685167	687482	2023	0.29	0.52	PASS
Aramite	1163212	1171262	1179472	1171315	8130	0.69	1165837	1166504	1161064	1164468	2967	0.25	0.58	PASS
Famphur	1204995	1204620	1221684	1210433	9745	0.81	1191020	1192382	1186607	1190003	3019	0.25	1.69	PASS

Reagent

SMLIST2 S5_00019



Reference Standard Data Pack

8270 List 2 / Std #5 Methapyrilene

Catalog # 567682

Lot # A0219575

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567682 **Lot No.:** A0219575

Description : 8270 List 2 / Std #5 Methapyrilene

8270 List 2 / Std #5 Methapyrilene 2,000µg/mL, Methylene chloride, 1mL/ampul
*The reported compound masses are for Methapyrilene HCl. Purity is adjusted to correct for the HCl salt. The reported concentration is of Methapyrilene.

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methapyrilene hydrochloride	135-23-9	1-KYM-158-2	87%	2,006.2 µg/mL	+/- 37.1464

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
*The reported compound masses are for Methapyrilene HCl. Purity is adjusted to correct for the HCl salt. The reported concentration is of Methapyrilene, CAS # 91-80-5

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

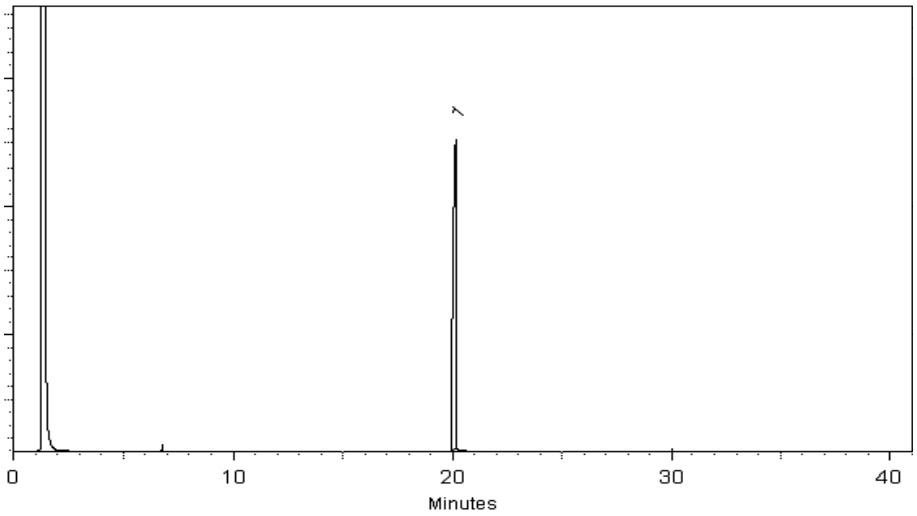
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tyler Brown - Lead Analytical Dev Lab Specialist

Date Mixed: 26-Nov-2024 **Balance Serial #** C322230531

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0219575

Catalog #: 567682	**Target:** 2000 ug/mL	
Description: 8270 List 2 / Std #5 Methapyrilene		
Solvent: Methylene chloride	**Solvent Lot:** 242215	**Final Volume:** 50 ml

Made by: Tyler Brown	**Date:** 11/26/2024 8:00:01AM		
Tested by: Alicia Leathers	**Date:** 11/27/2024 5:43:26AM		
Pass	**By:** Jennifer Pollino	**Date:** 12/2/2024 1:27:22PM	
Packaged by: Tyler Brown / Tom Suckar	**Date:** 11/26/2024 10:39:44	**No. Units:** 28	**Pkg Size:** 1 mL
Balance Used: BEDE1J8ZGP2 XPR504	**Serial #:** C322230531		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Methapyrilene hydrochloride	135-23-9	R0235	1-KYM-158-2	0.87	2,000.00	114.94 mg	115.30 mg	2,006.2

QA Report: 8270 List 2 / Std #5 Methapyrilene (Cat.#567682)

	Runs of Lot # A0211239 (Cat.#567682.SEC)						Runs of Lot # A0219575							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Methapyrilene hydrochloride	3725161	3647505	3675599	3682755	39319	1.07	3599339	3623515	3661564	3628139	31369	0.86	1.48	PASS

Reagent

SMLIST2 SS S1_00019



Reference Standard Data Pack

8270 Supplemental Standard #1

Catalog # 570667.SEC

Lot # A0214847

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

FOR LABORATORY USE ONLY. READ SDS PRIOR TO USE.

RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

MANUFACTURED UNDER RESTEK'S ISO 9001 REGISTERED QUALITY SYSTEM

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570667.SEC **Lot No.:** A0214847

Description : 8270 Supplemental Standard #1

8270 Supplemental Standard #1 1,000µg/mL, Methylene chloride, 1mL/ampul
Also described as 8270 List 2 / Std #1

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Picoline	109-06-8.SEC	PUXDM	99%	1,004.0 µg/mL	+/- 18.5897
2	N-Nitrosomethylethylamine	10595-95-6.SEC	C-RFS-156-7	99%	1,004.0 µg/mL	+/- 18.5897
3	Acrylamide	79-06-1.SEC	CQRXE	99%	1,005.0 µg/mL	+/- 18.6082
4	N-Nitrosodiethylamine	55-18-5.SEC	14436300	99%	1,001.0 µg/mL	+/- 18.5342
5	N-Nitrosopyrrolidine	930-55-2.SEC	13339800	99%	1,004.0 µg/mL	+/- 18.5897
6	o-Toluidine	95-53-4.SEC	42MPF	99%	1,000.0 µg/mL	+/- 18.5156
7	N-Nitrosomorpholine	59-89-2.SEC	14676500	99%	1,001.0 µg/mL	+/- 18.5342
8	N-Nitrosopiperidine	100-75-4.SEC	1-VAM-19-3	99%	1,002.0 µg/mL	+/- 18.5527
9	Phentermine (a,a-Dimethylphenethylamine)	122-09-8 *	231012JLM	99%	1,002.0 µg/mL	+/- 18.5527
10	Quinoline	91-22-5.SEC	H15Y033	99%	1,000.0 µg/mL	+/- 18.5156
11	N-Nitrosodi-n-butylamine	924-16-3.SEC	15225800	99%	1,000.0 µg/mL	+/- 18.5156
12	1,4-Phenylenediamine	106-50-3.SEC	4RPQC	99%	1,000.0 µg/mL	+/- 18.5156
13	1,4-Dinitrobenzene	100-25-4.SEC	RP230814S	99%	1,004.0 µg/mL	+/- 18.5897
14	1-Naphthylamine (1-aminonaphthalene)	134-32-7.SEC	RP220413	99%	1,001.0 µg/mL	+/- 18.5342
15	2-Naphthylamine (2-aminonaphthalene)	91-59-8.SEC	14839100	97%	1,002.0 µg/mL	+/- 18.5529

16	5-Nitro-o-toluidine	99-55-8.SEC	FHM03	99%	1,003.0	µg/mL	+/-	18.5712
17	1,3,5-Trinitrobenzene	99-35-4.SEC	17599	99%	1,000.0	µg/mL	+/-	18.5156
18	Phenacetin	62-44-2.SEC	NU3QA	99%	1,001.0	µg/mL	+/-	18.5342
19	4-Aminobiphenyl	92-67-1.SEC	81202620	99%	1,000.0	µg/mL	+/-	18.5156
20	Propyzamide	23950-58-5.SEC	BCCJ3170	99%	1,004.0	µg/mL	+/-	18.5897
21	Pentachloronitrobenzene (quintozene)	82-68-8.SEC	G990774	99%	1,000.0	µg/mL	+/-	18.5156
22	4-Nitroquinoline-N-oxide	56-57-5.SEC	I2DRK	99%	1,001.0	µg/mL	+/-	18.5342
23	p-Dimethylaminoazobenzene	60-11-7.SEC	RP220411S	99%	1,003.0	µg/mL	+/-	18.5712
24	3,3'-Dimethylbenzidine (o-tolidine)	119-93-7.SEC	RP220405S	99%	1,004.0	µg/mL	+/-	18.5897
25	2-Acetylaminofluorene	53-96-3.SEC	11324500	99%	1,003.0	µg/mL	+/-	18.5712
26	4,4'-Methylene-bis(2-chloroaniline)	101-14-4.SEC	RP220407S	96%	1,003.2	µg/mL	+/-	18.5749
27	Dibenz(a,h)acridine	226-36-8.SEC	CM-710-188-1	99%	1,003.0	µg/mL	+/-	18.5712

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

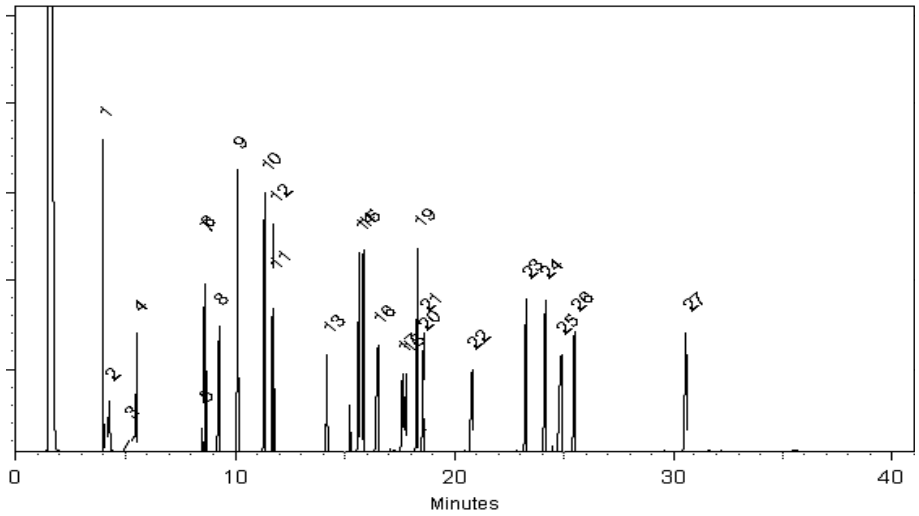
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Matt Fragassi - Mix Technician

Date Mixed: 06-Aug-2024 **Balance Serial #** 1128353505

Dillan Murphy - Operations Technician I

Date Passed: 20-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0214847

Catalog #: 570667.SEC	**Target:** 1000 ug/mL	
Description: 8270 Supplemental Standard #1		
Solvent: Methylene chloride	**Solvent Lot:** 241703	**Final Volume:** 100 ml

Made by: Matt Fragassi	**Date:** 8/6/2024 1:18:43PM		
Tested by: Dillan Murphy	**Date:** 8/20/2024 7:22:59AM		
Pass	**By:** Dillan Murphy	**Date:** 8/20/2024 7:23:02AM	
Packaged by: Matt Fragassi / Matt Fragassi	**Date:** 8/6/2024 2:43:40PM	**No. Units:** 54	**Pkg Size:** 1 mL
Balance Used: BEDE001734 XP205	**Serial #:** 1128353505		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
1-Naphthylamine (1-aminonaphthalene)	134-32-7.SEC	CALS003	RP220413	0.99	1,000.00	100.00 mg	100.10 mg	1,001.0
p-Dimethylaminoazobenzene	60-11-7.SEC	CALS004	RP220411S	0.99	1,000.00	100.00 mg	100.30 mg	1,003.0
4-Aminobiphenyl	92-67-1.SEC	CALS005	81202620	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
2-Acetylaminofluorene	53-96-3.SEC	CALS006	11324500	0.99	1,000.00	100.00 mg	100.30 mg	1,003.0
2-Naphthylamine (2-aminonaphthalene)	91-59-8.SEC	CALS007	14839100	0.97	1,000.00	103.09 mg	103.30 mg	1,002.0
1,3,5-Trinitrobenzene	99-35-4.SEC	EBS002	17599	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
1,4-Dinitrobenzene	100-25-4.SEC	RS033	RP230814S	0.99	1,000.00	100.00 mg	100.40 mg	1,004.0
1,4-Phenylenediamine	106-50-3.SEC	RS040	4RPQC	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
2-Picoline	109-06-8.SEC	RS043	PUXDM	0.99	1,000.00	100.00 mg	100.40 mg	1,004.0
4-Nitroquinoline-N-oxide	56-57-5.SEC	RS059	I2DRK	0.99	1,000.00	100.00 mg	100.10 mg	1,001.0
Acrylamide	79-06-1.SEC	RS067	CQRXE	0.99	1,000.00	100.00 mg	100.50 mg	1,005.0
o-Toluidine	95-53-4.SEC	RS081	42MPF	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
5-Nitro-o-toluidine	99-55-8.SEC	RS087	FHM03	0.99	1,000.00	100.00 mg	100.30 mg	1,003.0
Quinoline	91-22-5.SEC	RS095	H15Y033	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
Propyzamide	23950-58-5.S	RS099	BCCJ3170	0.99	1,000.00	100.00 mg	100.40 mg	1,004.0
N-Nitrosodiethylamine	55-18-5.SEC	RS101	14436300	0.99	1,000.00	100.00 mg	100.10 mg	1,001.0
N-Nitrosomorpholine	59-89-2.SEC	RS102	14676500	0.99	1,000.00	100.00 mg	100.10 mg	1,001.0
Pentachloronitrobenzene (quintozene)	82-68-8.SEC	RS105	G990774	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
N-Nitrosodi-n-butylamine	924-16-3.SEC	RS106	15225800	0.99	1,000.00	100.00 mg	100.00 mg	1,000.0
N-Nitrosopyrrolidine	930-55-2.SEC	RS107	13339800	0.99	1,000.00	100.00 mg	100.40 mg	1,004.0
N-Nitrosomethylethylamine	10595-95-6.S	RS130	5-RFS-156-7	0.99	1,000.00	100.00 mg	100.40 mg	1,004.0
N-Nitrosopiperidine	100-75-4.SEC	RS131	1-VAM-19-3	0.99	1,000.00	100.00 mg	100.20 mg	1,002.0
3,3'-Dimethylbenzidine (o-tolidine)	119-93-7.SEC	RS269	RP220405S	0.99	1,000.00	100.00 mg	100.40 mg	1,004.0
4,4'-Methylene-bis(2-chloroaniline)	101-14-4.SEC	RS270	RP220407S	0.96	1,000.00	104.17 mg	104.50 mg	1,003.2
Phenacetin	62-44-2.SEC	RS273	NU3QA	0.99	1,000.00	100.00 mg	100.10 mg	1,001.0
Dibenz(a,h)acridine	226-36-8.SEC	RS285	CM-710-188-1	0.99	1,000.00	100.00 mg	100.30 mg	1,003.0
Phentermine (a,a-Dimethylphenethylamin	122-09-8	V001	231012JLM	0.99	1,000.00	100.00 mg	100.20 mg	1,002.0

QA Report: 8270 Supplemental Standard #1 (Cat.#570667.SEC)

COMPONENT	Runs of Lot # A0214847 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0215076 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
2-Picoline	1473597	1479597	1465599	1472931	7023	0.48	1517188	1507193	1530685	1518355	11789	0.78	-3.08	PASS
N-Nitrosomethylethylamine	811127	815597	806844	811189	4377	0.54	830920	825201	837072	831064	5937	0.71	-2.45	PASS
Acrylamide & N-Nitrosodiethylamine	1713949	1734720	1715402	1721357	11595	0.67	1732438	1720191	1741359	1731329	10627	0.61	-0.58	PASS
N-Nitrosopyrrolidine & o-Toluidine & N-Nitrosomorpholine	3293728	3305840	3276389	3291986	14803	0.45	3319660	3296777	3331734	3316057	17755	0.54	-0.73	PASS
N-Nitrosopiperidine	1098421	1101811	1092754	1097662	4576	0.42	1119951	1112326	1122995	1118424	5496	0.49	-1.89	PASS
Phentermine (a,a-Dimethylphenethylamine)	1536713	1541484	1529930	1536042	5806	0.38	1588443	1575952	1592920	1585772	8794	0.55	-3.24	PASS
Quinoline	1787841	1792547	1777720	1786036	7577	0.42	1806211	1794998	1810913	1804041	8176	0.45	-1.01	PASS
N-Nitrosodi-n-butylamine & 1,4-Phenylenediamine	2596116	2601953	2581058	2593042	10781	0.42	2666124	2649738	2668132	2661331	10090	0.38	-2.63	PASS
1,4-Dinitrobenzene	884382	885968	881180	883843	2439	0.28	882662	878277	883253	881397	2718	0.31	0.28	PASS
1-Naphthylamine (1-aminonaphthalene)	210487	213118	212558	212054	1386	0.65	207127	206627	207398	207051	391	0.19	2.36	PASS
2-Naphthylamine (2-aminonaphthalene)	1956326	1951622	1939559	1949169	8648	0.44	1938147	1926441	1936042	1933543	6240	0.32	0.80	PASS
5-Nitro-o-toluidine	1822840	1825851	1817636	1822109	4156	0.23	1785641	1777236	1786576	1783151	5144	0.29	2.14	PASS
1,3,5-Trinitrobenzene	1186921	1188161	1182901	1185994	2750	0.23	1172240	1167104	1171175	1170173	2711	0.23	1.33	PASS
Phenacetin	623609	626979	625274	625287	1685	0.27	628640	625868	628165	627558	1482	0.24	-0.36	PASS
4-Aminobiphenyl	1222059	1222183	1216308	1220183	3357	0.28	1224020	1219153	1222722	1221965	2520	0.21	-0.15	PASS
Propyzamide	1738233	1740715	1732672	1737207	4119	0.24	1852421	1843839	1849998	1848753	4424	0.24	-6.42	PASS
Pentachloronitrobenzene (quinotzene)	1645980	1647712	1639253	1644315	4469	0.27	1690374	1684688	1692186	1689083	3912	0.23	-2.72	PASS
4-Nitroquinoline-N-oxide	832873	853473	861940	849429	14950	1.76	892803	894696	898215	895238	2746	0.31	-5.39	PASS
p-Dimethylaminoazobenzene	1525192	1527357	1518834	1523794	4430	0.29	1418583	1411927	1413049	1414520	3563	0.25	7.17	PASS
3,3'-Dimethylbenzidine (o-tolidine)	1534783	1539461	1528423	1534222	5540	0.36	1529975	1520623	1519900	1523499	5620	0.37	0.70	PASS
2-Acetylaminofluorene	1404348	1407399	1397513	1403087	5062	0.36	1400575	1393023	1392875	1395491	4403	0.32	0.54	PASS
4,4'-Methylene-bis(2-chloroaniline)	1114596	1116948	1108633	1113392	4286	0.38	1119973	1113705	1113608	1115762	3647	0.33	-0.21	PASS
Dibenz(a,h)acridine	1623775	1626947	1619703	1623475	3631	0.22	1525541	1517964	1523174	1522226	3876	0.25	6.24	PASS

Reagent

SMLIST2 SS S2_00030



Reference Standard Data Pack

8270 List 2 / Std #2 (2015)

Catalog # 569733.SEC

Lot # A0215414

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
www.restek.com

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Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569733.SEC **Lot No.:** A0215414

Description : 8270 List 2 / Std #2 (2015)

8270 List 2 / Std #2 (2015) 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** -20°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl methanesulfonate	66-27-3.SEC	LO7ZB	99%	1,008.0 µg/mL	+/- 23.1406
2	Ethyl methanesulfonate	62-50-0.SEC	10207660	99%	1,008.0 µg/mL	+/- 23.1406
3	Pentachloroethane	76-01-7.SEC	817964	97%	999.1 µg/mL	+/- 22.9363
4	Hexachloropropene	1888-71-7.SEC	I4690500	98%	1,009.4 µg/mL	+/- 23.1727
5	Isosafrole (cis & trans) 12% cis; 88% trans	120-58-1.SEC	6732500	99%	1,008.0 µg/mL	+/- 23.1406
6	1-Chloronaphthalene	90-13-1 *	TXRHO	98%	1,007.4 µg/mL	+/- 23.1277
7	1,4-Naphthoquinone	130-15-4.SEC	FQB5E	99%	1,002.0 µg/mL	+/- 23.0028
8	Pentachlorobenzene	608-93-5.SEC	14839000	98%	1,003.5 µg/mL	+/- 23.0377
9	2,3,5,6-Tetrachlorophenol	935-95-5.SEC	RP231027RSR	99%	1,002.0 µg/mL	+/- 23.0028
10	Dinoseb	88-85-7.SEC	14147400	99%	1,004.0 µg/mL	+/- 23.0487
11	Isodrin	465-73-6.SEC	G1388008	99%	1,002.0 µg/mL	+/- 23.0028
12	Chlorobenzilate	510-15-6.SEC	G171850	99%	1,008.0 µg/mL	+/- 23.1406
13	7,12-Dimethylbenz(a)anthracene	57-97-6.SEC	10589600	99%	1,004.0 µg/mL	+/- 23.0487

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

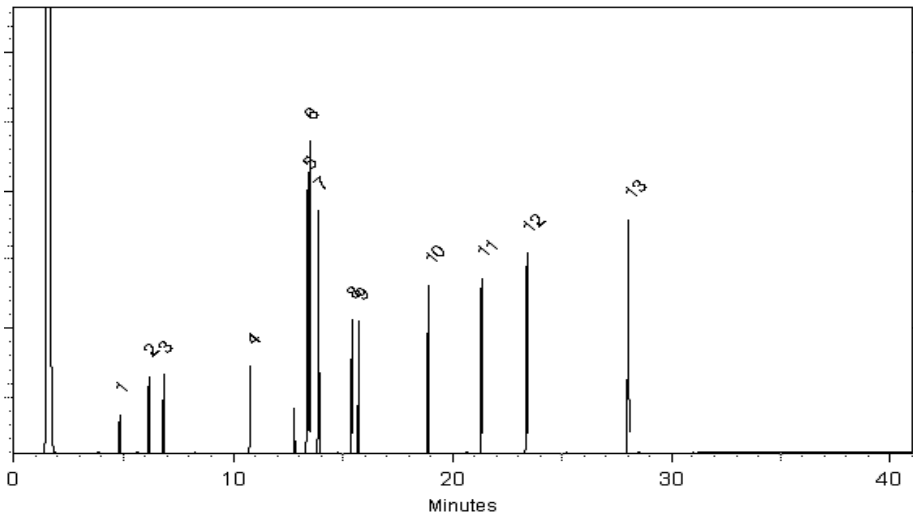
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 20-Aug-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 22-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reference Material Batch Record
Lot #: A0215414

Catalog #: 569733.SEC	**Target:** 1000 ug/mL	
Description: 8270 List 2 / Std #2 (2015)		
Solvent: Methylene chloride	**Solvent Lot:** 241703	**Final Volume:** 50 ml

Made by: Aaron Enyart	**Date:** 8/20/2024 3:32:32PM		
Tested by: Alicia Leathers	**Date:** 8/21/2024 8:05:39AM		
Pass	**By:** Dillan Murphy	**Date:** 8/22/2024 12:39:13PM	
Packaged by: Aaron Enyart / Morgan Craighead	**Date:** 8/20/2024 8:10:24PM	**No. Units:** 30	**Pkg Size:** 1 mL
Balance Used: BEDE001736 XPE504	**Serial #:** B345965662		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Pentachloroethane	76-01-7.SEC	FS056	817964	0.97	1,000.00	51.55 mg	51.50 mg	999.1
1-Chloronaphthalene	90-13-1	R0795	TXRHO	0.98	1,000.00	51.02 mg	51.40 mg	1,007.4
1,4-Naphthoquinone	130-15-4.SEC	RS050	FQB5E	0.99	1,000.00	50.00 mg	50.10 mg	1,002.0
Methyl methanesulfonate	66-27-3.SEC	RS064	LO7ZB	0.99	1,000.00	50.00 mg	50.40 mg	1,008.0
Ethyl methanesulfonate	62-50-0.SEC	RS093	10207660	0.99	1,000.00	50.00 mg	50.40 mg	1,008.0
Isosafrole (cis & trans)	120-58-1.SEC	RS097	6732500	0.99	1,000.00	50.00 mg	50.40 mg	1,008.0
Hexachloropropene	1888-71-7.SE	RS098	14690500	0.98	1,000.00	51.02 mg	51.50 mg	1,009.4
Pentachlorobenzene	608-93-5.SEC	RS103	14839000	0.98	1,000.00	51.02 mg	51.20 mg	1,003.5
2,3,5,6-Tetrachlorophenol	935-95-5.SEC	RS108	RP231027RSR	0.99	1,000.00	50.00 mg	50.10 mg	1,002.0
Dinoseb	88-85-7.SEC	RS120	14147400	0.99	1,000.00	50.00 mg	50.20 mg	1,004.0
7,12-Dimethylbenz(a)anthracene	57-97-6.SEC	RS121	10589600	0.99	1,000.00	50.00 mg	50.20 mg	1,004.0
Isodrin	465-73-6.SEC	RS124	G1388008	0.99	1,000.00	50.00 mg	50.10 mg	1,002.0
Chlorobenzilate	510-15-6.SEC	RS125	G171850	0.99	1,000.00	50.00 mg	50.40 mg	1,008.0

QA Report: 8270 List 2 / Std #2 (2015) (Cat.#569733.SEC)

COMPONENT	Runs of Lot # A0210015 (Cat.#569733) Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Runs of Lot # A0215414 Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Methyl methanesulfonate	149470	151744	150919	150711	1151	0.76	149947	146817	145603	147456	2241	1.52	2.16	PASS
Ethyl methanesulfonate	304109	306961	305619	305563	1427	0.47	304199	296933	297426	299519	4060	1.36	1.98	PASS
Pentachloroethane	176817	178727	177615	177720	959	0.54	174533	169340	170275	171383	2768	1.62	3.57	PASS
Hexachloropropene	192537	196498	196918	195318	2417	1.24	200630	198005	197441	198692	1702	0.86	-1.73	PASS
Isosafrole (cis)	132407	133700	133077	133061	647	0.49	98743	96770	96726	97413	1152	1.18		
Isosafrole (trans)	727238	733693	730954	730628	3240	0.44	745295	733396	730822	736504	7721	1.05		
Total Isosafrole	859645	867393	864031	863690	3885	0.45	844038	830166	827548	833917	8862	1.06	3.45	PASS
1-Chloronaphthalene	1033883	1042655	1039420	1038653	4436	0.43	1034630	1017823	1015070	1022508	10588	1.04	1.55	PASS
1,4-Naphthoquinone	869078	878373	876678	874710	4950	0.57	887549	876358	871803	878570	8103	0.92	-0.44	PASS
Pentachlorobenzene	414554	418447	417346	416782	2007	0.48	418680	412523	411132	414112	4017	0.97	0.64	PASS
2,3,5,6-Tetrachlorophenol	383455	388878	389205	387179	3230	0.83	387803	382704	380306	383604	3829	1.00	0.92	PASS
Dinoseb	579055	590413	592422	587297	7208	1.23	601286	599416	593066	597923	4309	0.72	-1.81	PASS
Isodrin	549672	555669	556002	553781	3562	0.64	544078	539936	535406	539807	4337	0.80	2.52	PASS
Chlorobenzilate	682369	689220	689329	686973	3987	0.58	714582	713548	704259	710796	5685	0.80	-3.47	PASS
7,12-Dimethylbenz(a)anthracene	1163379	1175577	1178494	1172483	8018	0.68	1175838	1198276	1169385	1181166	15165	1.28	-0.74	PASS

Reagent

SMLIST2 SS S3_00025



Reference Standard Data Pack

8270 List 2 / Std #3

Catalog # 567680.SEC

Lot # A0220736

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567680.SEC **Lot No.:** A0220736

Description : 8270 List 2 / Std #3

8270 List 2 / Std #3 2,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	6-Methylchrysene	1705-85-7.SEC	012016	99%	2,012.0 µg/mL	+/- 91.7907
2	3-Methylcholanthrene	56-49-5 *	P78243-0808	95%	1,998.8 µg/mL	+/- 91.1885

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

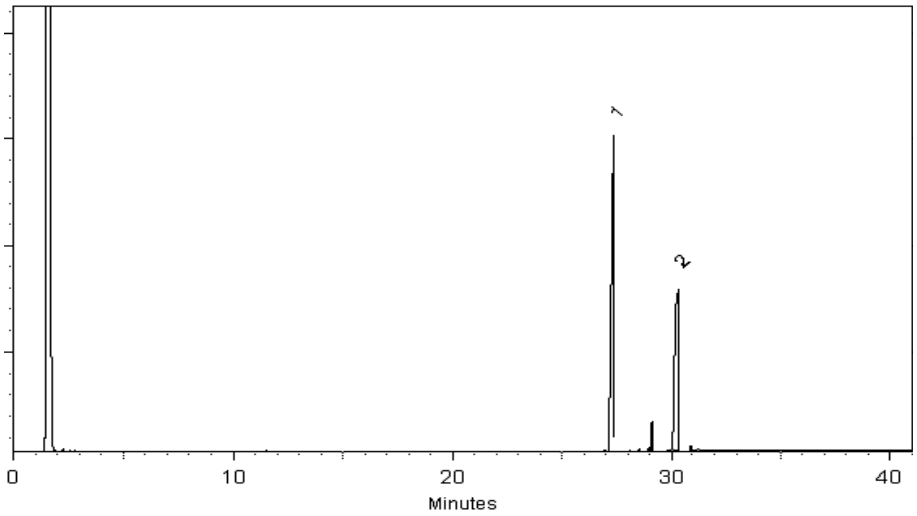
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Parker Owens - Operations Tech I

Date Mixed: 03-Jan-2025 **Balance Serial #** 1128353505

Brittany Federinko - Operations Tech I

Date Passed: 07-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0220736

Catalog #: 567680.SEC	**Target:** 2000 ug/mL	
Description: 8270 List 2 / Std #3		
Solvent: Methylene chloride	**Solvent Lot:** 244236	**Final Volume:** 25 ml

Made by: Parker Owens	**Date:** 1/3/2025 2:57:45PM		
Tested by: Amanda Miller	**Date:** 1/6/2025 5:07:48PM		
Pass	**By:** Brittany Federinko	**Date:** 1/7/2025 10:31:24AM	
Packaged by: Parker Owens / Parker Owens	**Date:** 1/3/2025 4:00:36PM	**No. Units:** 11	**Pkg Size:** 1 mL
Balance Used: BEDE001734 XP205	**Serial #:** 1128353505		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
3-Methylcholanthrene	56-49-5	R0696	P78243-0808	0.95	2,000.00	52.63 mg	52.60 mg	1,998.8
6-Methylchrysene	1705-85-7.SE	RS134	012016	0.99	2,000.00	50.00 mg	50.30 mg	2,012.0

QA Report: 8270 List 2 / Std #3 (Cat.#567680.SEC)

	Runs of Lot # A0209687			(Cat# 567680 Primary)			Runs of Lot # A0220736							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
6-Methylchrysene	5338562	5317218	5333502	5329761	11153	0.21	5394513	5399157	5384708	5392793	7377	0.14	-1.18	PASS
3-Methylcholanthrene	4891981	4866093	4888511	4882195	14052	0.29	4989919	4998900	4982458	4990426	8233	0.16	-2.22	PASS

Reagent

SMLIST2 SS S4_00017



Reference Standard Data Pack

8270 List 2 / Std #4

Catalog # 567681.SEC

Lot # A0214408

110 Benner Circle Bellefonte, PA 16823-8812
1-814-353-1300 1-800-356-1688
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567681.SEC **Lot No.:** A0214408

Description : 8270 List 2 / Std #4

8270 List 2 / Std #4 1,000µg/mL, Methylene chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	o,o,o-Triethyl phosphorothioate	126-68-1 *	2-KRR-57-1	98%	1,003.5 µg/mL	+/- 45.8129
2	Safrole	94-59-7.SEC	793000	99%	1,008.0 µg/mL	+/- 46.0175
3	Zinophos (thionazine)	297-97-2.SEC	G1302249	99%	1,006.0 µg/mL	+/- 45.9262
4	Sulfotepp	3689-24-5.SEC	G1018121	99%	1,002.0 µg/mL	+/- 45.7435
5	Diallate (cis and trans) 75% cis-Isomer; 25% trans-Isomer	2303-16-4.SEC	G1112714	96%	1,000.3 µg/mL	+/- 45.6668
6	Phorate	298-02-2.SEC	G1394764	98%	1,005.5 µg/mL	+/- 45.9024
7	Dimethoate	60-51-5.SEC	G1209610	99%	1,004.0 µg/mL	+/- 45.8348
8	Disulfoton	298-04-4.SEC	G1016814	99%	1,008.0 µg/mL	+/- 46.0175
9	Methyl parathion	298-00-0.SEC	G1143686	98%	1,001.6 µg/mL	+/- 45.7235
10	Parathion (ethyl parathion)	56-38-2.SEC	G166343	99%	1,006.0 µg/mL	+/- 45.9262
11	Aramite 2% Isomer 1; 2% Isomer 2; 36% Isomer 3; 60% Isomer 4	140-57-8 *	15149600	99%	1,002.0 µg/mL	+/- 45.7435
12	Famphur	52-85-7.SEC	G150065	98%	1,001.6 µg/mL	+/- 45.7235

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

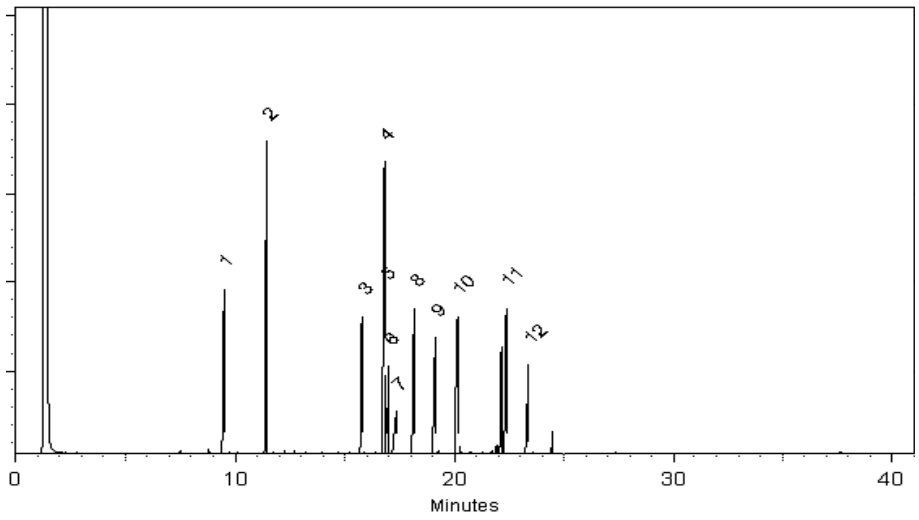
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 25-Jul-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reference Material Batch Record
Lot #: A0214408

Catalog #: 567681.SEC	**Target:** 1000 ug/mL	
Description: 8270 List 2 / Std #4		
Solvent: Methylene chloride	**Solvent Lot:** 241698	**Final Volume:** 50 ml

Made by: Aaron Enyart	**Date:** 7/26/2024 9:49:02AM		
Tested by: Alicia Leathers	**Date:** 7/29/2024 9:27:24AM		
Pass	**By:** Dillan Murphy	**Date:** 8/1/2024 9:54:15AM	
Packaged by: Aaron Enyart / Rebecca Gingerich	**Date:** 7/26/2024 11:28:21A	**No. Units:** 24	**Pkg Size:** 1 mL
Balance Used: BEDE001736 XPE504	**Serial #:** B345965662		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Aramite	140-57-8	F0174	15149600	0.99	1,000.00	50.00 mg	50.10 mg	1,002.0
o,o,o-Triethyl phosphorothioate	126-68-1	R0702	2-KRR-57-1	0.98	1,000.00	51.02 mg	51.20 mg	1,003.5
Safrole	94-59-7.SEC	RS109	793000	0.99	1,000.00	50.00 mg	50.40 mg	1,008.0
Diallate (cis and trans)	2303-16-4.SE	RS110	G1112714	0.96	1,000.00	52.08 mg	52.10 mg	1,000.3
Methyl parathion	298-00-0.SE(	RS111	G1143686	0.98	1,000.00	51.02 mg	51.10 mg	1,001.6
Phorate	298-02-2.SE(	RS112	G1394764	0.98	1,000.00	51.02 mg	51.30 mg	1,005.5
Disulfoton	298-04-4.SE(	RS113	G1016814	0.99	1,000.00	50.00 mg	50.40 mg	1,008.0
Famphur	52-85-7.SEC	RS115	G150065	0.98	1,000.00	51.02 mg	51.10 mg	1,001.6
Parathion (ethyl parathion)	56-38-2.SEC	RS116	G166343	0.99	1,000.00	50.00 mg	50.30 mg	1,006.0
Dimethoate	60-51-5.SEC	RS117	G1209610	0.99	1,000.00	50.00 mg	50.20 mg	1,004.0
Zinophos (thionazine)	297-97-2.SE(	RS142	G1302249	0.99	1,000.00	50.00 mg	50.30 mg	1,006.0
Sulfotepp	3689-24-5.SE	RS281	G1018121	0.99	1,000.00	50.00 mg	50.10 mg	1,002.0

QA Report: 8270 List 2 / Std #4 (Cat.#567681.SEC)

	Runs of Lot # A0193163 (Cat#567681)						Runs of Lot # A0214408							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
o,o,o-Triethyl phosphorothioate	1305499	1303407	1296432	1301779	4748	0.36	1292670	1295371	1299226	1295756	3295	0.25	0.46	PASS
Safrole	2580670	2562996	2561275	2568314	10735	0.42	2555124	2576063	2567300	2566162	10516	0.41	0.08	PASS
Zinophos (thionazine)	1317834	1295902	1309131	1307622	11044	0.84	1324768	1351410	1328335	1334838	14462	1.08	-2.08	PASS
Sulfotepp & Diallate (Cis)	2504862	2450924	2537046	2497611	43517	1.74	2551334	2583441	2562189	2565655	16332	0.64	-2.72	PASS
Phorate	1043980	1042214	988497	1024897	31536	3.08	981558	1019958	979360	993625	22831	2.30	3.05	PASS
Diallate (trans)	428623	421035	424824	424827	3794	0.89	417298	425820	418512	420543	4610	1.10	1.01	PASS
Dimethoate	737710	734361	741293	737788	3467	0.47	747883	762121	751247	753750	7442	0.99	-2.16	PASS
Disulfoton	1414510	1391139	1405082	1403577	11758	0.84	1382775	1412282	1385878	1393645	16215	1.16	0.71	PASS
Methyl parathion	1308262	1301279	1311978	1307173	5432	0.42	1336441	1360725	1341588	1346251	12796	0.95	-2.99	PASS
Parathion (ethyl parathion)	1564385	1544850	1558603	1555946	10035	0.64	1545909	1577296	1549996	1557734	17064	1.10	-0.11	PASS
Aramite	1926643	1907475	1921563	1918560	9931	0.52	1973789	2011374	1979325	1988163	20291	1.02	-3.63	PASS
Famphur	1129258	1143409	1146017	1139561	9018	0.79	1121044	1132301	1128788	1127378	5759	0.51	1.07	PASS

Reagent

SMLIST2 SS S5_00015



Reference Standard Data Pack

8270 List 2 / Std #5 Methapyrilene

Catalog # 567682.SEC

Lot # A0220193

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RAW MATERIAL TEST INFORMATION AVAILABLE UPON REQUEST

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567682.SEC **Lot No.:** A0220193

Description : 8270 List 2 / Std #5 Methapyrilene

8270 List 2 / Std #5 Methapyrilene 2,000µg/mL, Methylene Chloride, 1mL/ampul
*The reported compound masses are for Methapyrilene HCl. Purity is adjusted to correct for the HCl salt. The reported concentration is of Methapyrilene.

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methapyrilene hydrochloride	135-23-9.sec	B2020	86%	2,005.5 µg/mL	+/- 39.8099

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:
*The reported compound masses are for Methapyrilene HCl. Purity is adjusted to correct for the HCl salt. The reported concentration is of Methapyrilene, CAS # 91-80-5

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

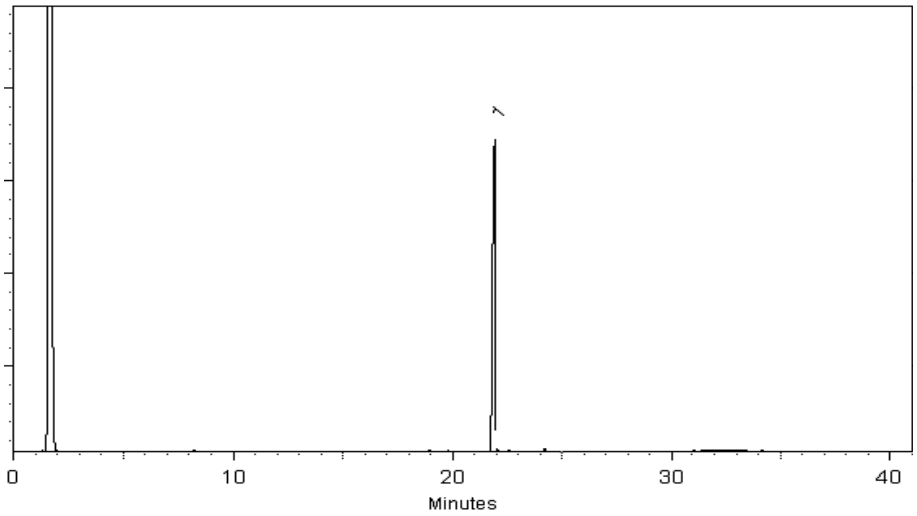
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Richard Zimmerman - Operations Tech I

Date Mixed: 17-Dec-2024 **Balance Serial #** B345965662

Dillan Murphy - Operations Technician I

Date Passed: 20-Dec-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK

Reference Material Batch Record
Lot #: A0220193

Catalog #: 567682.SEC	**Target:** 2000 ug/mL	
Description: 8270 List 2 / Std #5 Methapyrilene		
Solvent: Methylene chloride	**Solvent Lot:** 243834	**Final Volume:** 25 ml

Made by: Richard Zimmerman	**Date:** 12/17/2024 4:09:30AM		
Tested by: Alicia Leathers	**Date:** 12/18/2024 7:33:02AM		
Pass	**By:** Dillan Murphy	**Date:** 12/20/2024 4:21:22PM	
Packaged by: Richard Zimmerman / Richard Zimmerman	**Date:** 12/17/2024 4:51:55A	**No. Units:** 10	**Pkg Size:** 1 mL
Balance Used: BEDE001736 XPE504	**Serial #:** B345965662		

Compound	CAS	Storage Location	Lot #	Purity	Target Conc(ug/mL)	Target	Actual	Calc Conc(ug/mL)
Methapyrilene hydrochloride	135-23-9.sec	RS275	B2020	0.86	2,000.00	58.14 mg	58.30 mg	2,005.5

QA Report: 8270 List 2 / Std #5 Methapyrilene (Cat.#567682.SEC)

	Runs of Lot # A0193415 (Cat.#567682)						Runs of Lot # A0220193							
COMPONENT	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	Run #1	Run #2	Run #3	AVG	STD DEV	% RSD	%D MEAN	P/F
Methapyrilene hydrochloride	4938571	5078853	5167133	5061519	115263	2.28	5157999	5167096	5177187	5167427	9598	0.19	-2.09	PASS

Reagent

vm30026_00004

VM30026_00004 Rcvd 6/3/22

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30026 **Lot No.:** A0181998

Description : 4-Bromofluorobenzene Mixture

4-Bromofluorobenzene 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1-Bromo-4-fluorobenzene (BFB)	2,002.0 µg/mL	+/- 11.7489	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/- 112.2615	µg/mL	Unstressed
	Purity 99%		+/- 114.8878	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm30241_00010

VM 30241_ 0 0010

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30241 **Lot No.:** A0203613

Description : 8260A Internal Standard Mix

8260A Internal Standard Mix 2,500 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

Recd 12.21.23 KB

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Fluorobenzene	462-06-6	BCBZ5549	99%	2,500.0 µg/mL	+/- 140.4392
2	Chlorobenzene-d5	3114-55-4	PR-29571	99%	2,502.5 µg/mL	+/- 140.5796
3	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,501.5 µg/mL	+/- 140.5234

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

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vm30241_00011

Rec'd 2-6-25 vm-30241_02511

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30241 **Lot No.:** A0219959

Description : 8260A Internal Standard Mix

8260A Internal Standard Mix 2,500 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Fluorobenzene	462-06-6	BCBZ5549	99%	2,523.7 µg/mL	+/- 141.7829
2	Chlorobenzene-d5	3114-55-4	PR-31132	99%	2,523.7 µg/mL	+/- 141.7829
3	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,516.0 µg/mL	+/- 141.3522

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

VM567650_00038

Rec: 4/16/21 (29)
VM567650-00038

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0167135

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Dibromofluoromethane **CAS #** 1868-53-7 (Lot 0012016) **Purity** 99%	2,523.0 µg/mL	+/- 14.6689 µg/mL +/- 141.4621 µg/mL +/- 144.7721 µg/mL	Gravimetric Unstressed Stressed
2	1,2-Dichloroethane-d4 **CAS #** 17060-07-0 (Lot PR-29377) **Purity** 99%	2,509.4 µg/mL	+/- 14.5899 µg/mL +/- 140.6996 µg/mL +/- 143.9918 µg/mL	Gravimetric Unstressed Stressed
3	Toluene-d8 **CAS #** 2037-26-5 (Lot PR-30867) **Purity** 99%	2,503.2 µg/mL	+/- 14.5538 µg/mL +/- 140.3519 µg/mL +/- 143.6360 µg/mL	Gravimetric Unstressed Stressed
4	1-Bromo-4-fluorobenzene (BFB) **CAS #** 460-00-4 (Lot 20401KO) **Purity** 99%	2,523.8 µg/mL	+/- 14.6736 µg/mL +/- 141.5070 µg/mL +/- 144.8180 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM568720_00047

Rec'd 11/1/24 VM 568720_00047

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0209476

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acrolein	107-02-8	RP240118CTH	99%	19,917.5 µg/mL	+/- 585.1357

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Water
CAS # 7732-18-5
Purity 99%

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Reagent

VM568720S_00044

Rec'd 10/31/24 VM 5hd 72°sec 00044

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720.SEC **Lot No.:** A0216484

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acrolein	107-02-8.SEC	RD240426S	99%	19,822.0 µg/mL	+/- 582.3829

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Water
CAS # 7732-18-5
Purity 99%

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9/17/2025 1:48:31 PM

Reagent

VM569721_00009

Rec'd 7-13-23 VM 569721_00009

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0193494

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	12,581.8 µg/mL	+/- 434.7671
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	12,578.5 µg/mL	+/- 434.6548
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	12,602.3 µg/mL	+/- 435.4755
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,587.5 µg/mL	+/- 434.9658

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721S_00008

Rec'd 1/23/24 U1456972 Sec. 00008

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Catalog No. : 569721.SEC **Lot No.:** A0194631

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	S25F025	99%	12,530.8 µg/mL	+/- 433.0935
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,522.8 µg/mL	+/- 432.8170
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,555.6 µg/mL	+/- 433.9507
4	2-Hexanone	591-78-6.SEC	Y3TUO	99%	12,580.4 µg/mL	+/- 434.8078

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

vm569722_00031

Rcd 4/4/25 UM 569722 - 00031

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Catalog No. : 569722 **Lot No.:** A0211969

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,523.8 µg/mL	+/- 142.4301
2	Chloromethane (methyl chloride)	74-87-3	SHBP8835	99%	2,527.3 µg/mL	+/- 142.5086
3	Vinyl chloride	75-01-4	00015559	99%	2,526.1 µg/mL	+/- 142.4075
4	1,3-Butadiene	106-99-0	00019375	99%	2,523.9 µg/mL	+/- 142.3851
5	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,520.8 µg/mL	+/- 142.6962
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,520.7 µg/mL	+/- 142.3441
7	Dichlorofluoromethane (CFC-21)	75-43-4	14485600	90%	2,524.5 µg/mL	+/- 141.8155
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,518.0 µg/mL	+/- 141.8687

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

VM569723_00014

Rcd 8-30-23

VM ~~569723~~ 8/31/23 — VM569723_00014

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Catalog No. : 569723 **Lot No.:** A0193735

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCK6742	99%	2,500.0 µg/mL	+/- 31.1129

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569724_00030

Rcd 1-8-25 VM 569724_00030

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0209567

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RP231030CTH	98%	5,034.8 µg/mL	+/- 173.9777

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM571992_00007

Rcvd 1/23/24 VM571992_00007

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0203458

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7	SHBQ1495	99%	2,515.0 µg/mL	+/- 86.9068
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1	00016133	99%	2,518.8 µg/mL	+/- 87.0364
3	1,1-dichloroethene	75-35-4	SHBG8609V	99%	2,516.3 µg/mL	+/- 86.9500
4	tert-Butanol (TBA)	75-65-0	SHBQ8002	99%	25,095.0 µg/mL	+/- 867.1659
5	Methyl acetate	79-20-9	SHBP3100	99%	5,016.4 µg/mL	+/- 173.3427
6	Iodomethane (methyl iodide)	74-88-4	MKCN8012	99%	2,517.4 µg/mL	+/- 86.9888
7	Allyl chloride (3-chloropropene)	107-05-1	RD230914ECS	99%	2,515.9 µg/mL	+/- 86.9370
8	Methylene chloride (dichloromethane)	75-09-2	SHBQ6376	99%	2,513.8 µg/mL	+/- 86.8636
9	Carbon disulfide	75-15-0	Q30J743	99%	2,512.9 µg/mL	+/- 86.8333
10	Acrylonitrile	107-13-1	102466R02E	99%	25,031.9 µg/mL	+/- 864.9846
11	Methyl-tert-butyl ether (MTBE)	1634-04-4	SHBP0179	99%	2,513.8 µg/mL	+/- 86.8636
12	cis-1,2-Dichloroethene	156-59-2	MKCP7830	99%	2,514.0 µg/mL	+/- 86.8722
13	n-Hexane (C6)	110-54-3	STBG6381	99%	2,520.3 µg/mL	+/- 87.0882
14	1,1-Dichloroethane	75-34-3	852900	99%	2,514.0 µg/mL	+/- 86.8722
15	2,2-Dichloropropane	594-20-7	RD230426	99%	2,521.3 µg/mL	+/- 87.1227
16	trans-1,2-Dichloroethene	156-60-5	MKCP9516	99%	2,514.9 µg/mL	+/- 86.9025

17	Isobutanol (2-Methyl-1-propanol)	78-83-1	SHBP7066	99%	62,561.0	µg/mL	+/- 2,161.8157
18	chloroform	67-66-3	SHBN8469	99%	2,513.6	µg/mL	+/- 86.8593
19	Bromochloromethane	74-97-5	230810JLM	99%	2,513.5	µg/mL	+/- 86.8549
20	Tetrahydrofuran	109-99-9	SHBQ8516	99%	5,020.9	µg/mL	+/- 173.4982
21	1,1,1-trichloroethane	71-55-6	RD230728RSR	99%	2,513.5	µg/mL	+/- 86.8549
22	Cyclohexane	110-82-7	MKCQ2001	99%	2,513.5	µg/mL	+/- 86.8549
23	1,1-Dichloropropene	563-58-6	230825JLM	99%	2,514.3	µg/mL	+/- 86.8809
24	carbon tetrachloride	56-23-5	SHBP4875	99%	2,513.0	µg/mL	+/- 86.8377
25	n-Heptane (C7)	142-82-5	044743T01D	99%	2,515.4	µg/mL	+/- 86.9197
26	1,2-Dichloroethane	107-06-2	SHBQ0693	99%	2,513.5	µg/mL	+/- 86.8549
27	Benzene	71-43-2	MKCS3357	99%	2,513.4	µg/mL	+/- 86.8506
28	Trichloroethene	79-01-6	SHBN3720	99%	2,513.6	µg/mL	+/- 86.8593
29	Methylcyclohexane	108-87-2	SHBN1699	99%	2,514.8	µg/mL	+/- 86.8981
30	1,2-Dichloropropane	78-87-5	BCBR0882V	99%	2,514.9	µg/mL	+/- 86.9025
31	1,4-Dioxane	123-91-1	SHBQ2407	99%	50,131.4	µg/mL	+/- 1,732.3059
32	Dibromomethane	74-95-3	10233302	99%	2,514.6	µg/mL	+/- 86.8938
33	cis-1,3-Dichloropropene	10061-01-5	RD230406RSR	99%	2,513.5	µg/mL	+/- 86.8549
34	Toluene	108-88-3	MKCS9989	99%	2,512.9	µg/mL	+/- 86.8333
35	Ethyl methacrylate	97-63-2	MKCN6206	97%	2,508.3	µg/mL	+/- 86.6752
36	trans-1,3-Dichloropropene	10061-02-6	RD220816	99%	2,512.9	µg/mL	+/- 86.8333
37	1,1,2-Trichloroethane	79-00-5	FGB01	99%	2,513.5	µg/mL	+/- 86.8549
38	1,3-Dichloropropane	142-28-9	BCCH5357	99%	2,514.1	µg/mL	+/- 86.8765
39	Tetrachloroethene	127-18-4	SHBQ0051	99%	2,514.0	µg/mL	+/- 86.8722
40	dibromochloromethane	124-48-1	MKCQ4517	99%	2,512.9	µg/mL	+/- 86.8333
41	1,2-Dibromoethane (EDB)	106-93-4	BCCH7113	99%	2,515.0	µg/mL	+/- 86.9068
42	Chlorobenzene	108-90-7	SHBN6640	99%	2,515.0	µg/mL	+/- 86.9068
43	m-Xylene	108-38-3	SHBN6673	99%	1,254.8	µg/mL	+/- 43.3584
44	p-Xylene	106-42-3	SHBP5191	99%	1,257.0	µg/mL	+/- 43.4361
45	Ethylbenzene	100-41-4	094632L21G	99%	2,514.1	µg/mL	+/- 86.8765
46	1,1,1,2-Tetrachloroethane	630-20-6	GC01	99%	2,514.9	µg/mL	+/- 86.9025
47	o-Xylene	95-47-6	50069309	99%	2,514.0	µg/mL	+/- 86.8722
48	Styrene	100-42-5	MKCQ3390	99%	2,514.0	µg/mL	+/- 86.8722
49	Isopropylbenzene (cumene)	98-82-8	Z20D022	99%	2,514.1	µg/mL	+/- 86.8765
50	bromoform	75-25-2	050494L04R	99%	2,515.3	µg/mL	+/- 86.9154
51	bromodichloromethane	75-27-4	MKCF8470	99%	2,512.5	µg/mL	+/- 86.8204
52	1,1,2,2-Tetrachloroethane	79-34-5	QQJ41	99%	2,515.3	µg/mL	+/- 86.9154

53	1,2,3-Trichloropropane	96-18-4	Q91-34	98%	2,513.5	µg/mL	+/- 86.8534
54	trans-1,4-dichloro-2-butene	110-57-6	RD230720RSR	94%	2,504.7	µg/mL	+/- 86.5525
55	n-Propylbenzene	103-65-1	G08M	98%	2,511.4	µg/mL	+/- 86.7814
56	Bromobenzene	108-86-1	MKCQ7174	99%	2,514.8	µg/mL	+/- 86.8981
57	1,3,5-Trimethylbenzene	108-67-8	BCCF4166	99%	2,513.8	µg/mL	+/- 86.8636
58	2-Chlorotoluene	95-49-8	235783M23T	99%	2,514.8	µg/mL	+/- 86.8981
59	4-Chlorotoluene	106-43-4	BCCG9286	99%	2,514.9	µg/mL	+/- 86.9025
60	tert-Butylbenzene	98-06-6	STBJ1937	99%	2,514.0	µg/mL	+/- 86.8722
61	1,2,4-Trimethylbenzene	95-63-6	MKCS3775	99%	2,515.9	µg/mL	+/- 86.9370
62	sec-Butylbenzene	135-98-8	MKCP2266	99%	2,515.3	µg/mL	+/- 86.9154
63	p-Isopropyltoluene (p-Cymene)	99-87-6	MKCR6143	99%	2,514.9	µg/mL	+/- 86.9025
64	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,515.3	µg/mL	+/- 86.9154
65	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,514.9	µg/mL	+/- 86.9025
66	n-Butylbenzene	104-51-8	09418JJ	99%	2,514.5	µg/mL	+/- 86.8895
67	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	2,514.3	µg/mL	+/- 86.8809
68	1,2-Dibromo-3-chloropropane	96-12-8	HBMVB	97%	2,510.4	µg/mL	+/- 86.7464
69	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	2,514.9	µg/mL	+/- 86.9025
70	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	2,510.0	µg/mL	+/- 86.7349
71	Naphthalene	91-20-3	STBL1057	99%	2,514.3	µg/mL	+/- 86.8809
72	1,2,3-Trichlorobenzene	87-61-6	MKBX7627V	99%	2,514.1	µg/mL	+/- 86.8765

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM571992S_00010

VM571992.SEC_00010 Rcd. 9/3/24

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Catalog No. : 571992.SEC **Lot No.:** A0195252

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7.SEC	F23X068	99%	2,516.7 µg/mL	+/- 86.9644
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	2,520.0 µg/mL	+/- 87.0795
3	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	2,525.0 µg/mL	+/- 87.2523
4	tert-Butanol (TBA)	75-65-0.SEC	DI34O	99%	25,129.5 µg/mL	+/- 868.3580
5	Methyl acetate	79-20-9.SEC	UCNEL	99%	5,029.0 µg/mL	+/- 173.7790
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	2,521.7 µg/mL	+/- 87.1371
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	2,518.2 µg/mL	+/- 87.0162
8	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	2,516.7 µg/mL	+/- 86.9644
9	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	2,511.7 µg/mL	+/- 86.7916
10	Acrylonitrile	107-13-1.SEC	V54AD	99%	25,200.3 µg/mL	+/- 870.8057
11	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	CDCQG	99%	2,517.3 µg/mL	+/- 86.9874
12	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	2,515.3 µg/mL	+/- 86.9183
13	n-Hexane (C6)	110-54-3.SEC	10188491	99%	2,514.7 µg/mL	+/- 86.8953
14	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	2,512.6 µg/mL	+/- 86.8223
15	2,2-Dichloropropane	594-20-7.SEC	GI01	99%	2,521.5 µg/mL	+/- 87.1314
16	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	2,525.0 µg/mL	+/- 87.2523

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17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC	PH2XK	99%	62,830.8	µg/mL	+/- 2,171.1398
18	Chloroform	67-66-3.SEC	1297547	99%	2,511.7	µg/mL	+/- 86.7916
19	Bromochloromethane	74-97-5 *	230206JLM	99%	2,515.7	µg/mL	+/- 86.9298
20	Tetrahydrofuran	109-99-9.SEC	3NYHE	99%	5,018.5	µg/mL	+/- 173.4162
21	1,1,1-Trichloroethane	71-55-6.SEC	13891800	99%	2,506.5	µg/mL	+/- 86.6130
22	Cyclohexane	110-82-7.SEC	YADRA	99%	2,523.3	µg/mL	+/- 87.1947
23	1,1-Dichloropropene	563-58-6.SEC	556500	99%	2,520.5	µg/mL	+/- 87.0968
24	Carbon tetrachloride	56-23-5.SEC	11466	99%	2,520.5	µg/mL	+/- 87.0968
25	n-Heptane (C7)	142-82-5.SEC	TFHUC	99%	2,516.5	µg/mL	+/- 86.9586
26	1,2-Dichloroethane	107-06-2.SEC	00016165	99%	2,519.8	µg/mL	+/- 87.0738
27	Benzene	71-43-2.SEC	101960P29K	99%	2,518.8	µg/mL	+/- 87.0392
28	Trichloroethene	79-01-6.SEC	H04X050	99%	2,524.3	µg/mL	+/- 87.2293
29	Methylcyclohexane	108-87-2.SEC	Q02QG	99%	2,515.8	µg/mL	+/- 86.9356
30	1,2-Dichloropropane	78-87-5.SEC	ERRBI-RH	99%	2,516.8	µg/mL	+/- 86.9701
31	1,4-Dioxane	123-91-1.SEC	QHRWO	99%	50,137.2	µg/mL	+/- 1,732.5061
32	Dibromomethane	74-95-3.SEC	MOKKJ	99%	2,516.3	µg/mL	+/- 86.9528
33	cis-1,3-Dichloropropene	10061-01-5.SEC	ZLXJ-TJ	99%	2,502.8	µg/mL	+/- 86.4863
34	Toluene	108-88-3.SEC	YND2B-BD	99%	2,522.2	µg/mL	+/- 87.1544
35	Ethyl methacrylate	97-63-2.SEC	AQSPO	99%	2,510.8	µg/mL	+/- 86.7628
36	trans-1,3-Dichloropropene	10061-02-6.SEC	ZDMSL	98%	2,517.1	µg/mL	+/- 86.9804
37	1,1,2-Trichloroethane	79-00-5.SEC	9245400	99%	2,512.2	µg/mL	+/- 86.8089
38	1,3-Dichloropropane	142-28-9.SEC	IQCON	99%	2,519.3	µg/mL	+/- 87.0565
39	Tetrachloroethene	127-18-4.SEC	F09W014	99%	2,521.3	µg/mL	+/- 87.1256
40	Dibromochloromethane	124-48-1.SEC	10234064	99%	2,517.5	µg/mL	+/- 86.9932
41	1,2-Dibromoethane (EDB)	106-93-4.SEC	050675P15E	99%	2,518.3	µg/mL	+/- 87.0220
42	Chlorobenzene	108-90-7.SEC	1161936	99%	2,515.8	µg/mL	+/- 86.9356
43	m-Xylene	108-38-3.SEC	7ZV6F	99%	1,255.3	µg/mL	+/- 43.3814
44	p-Xylene	106-42-3.SEC	D6UOA	99%	1,260.3	µg/mL	+/- 43.5541
45	Ethylbenzene	100-41-4.SEC	PI4SE	99%	2,517.7	µg/mL	+/- 86.9989
46	1,1,1,2-Tetrachloroethane	630-20-6.SEC	13789800	99%	2,517.5	µg/mL	+/- 86.9932
47	o-Xylene	95-47-6.SEC	UJ6RI	99%	2,515.8	µg/mL	+/- 86.9356
48	Styrene	100-42-5.SEC	QGQ7F	99%	2,521.3	µg/mL	+/- 87.1256
49	Isopropylbenzene (cumene)	98-82-8.SEC	7P24L	99%	2,515.0	µg/mL	+/- 86.9068
50	Bromoform	75-25-2.SEC	13723500	99%	2,522.5	µg/mL	+/- 87.1659
51	Bromodichloromethane	75-27-4.SEC	28128	99%	2,524.2	µg/mL	+/- 87.2235
52	1,1,2,2-Tetrachloroethane	79-34-5.SEC	BCCD5088	99%	2,523.7	µg/mL	+/- 87.2063

53	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	2,522.2	µg/mL	+/- 87.1544
54	trans-1,4-Dichloro-2-butene	110-57-6.SEC RD230316RSR	96%	2,517.0	µg/mL	+/- 86.9745
55	n-Propylbenzene	103-65-1.SEC XCGEC	99%	2,518.8	µg/mL	+/- 87.0392
56	Bromobenzene	108-86-1.SEC 2FUHG-EM	99%	2,518.3	µg/mL	+/- 87.0220
57	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	2,514.3	µg/mL	+/- 86.8837
58	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	2,515.7	µg/mL	+/- 86.9298
59	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	2,518.8	µg/mL	+/- 87.0392
60	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	2,522.0	µg/mL	+/- 87.1487
61	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	2,517.3	µg/mL	+/- 86.9874
62	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	2,522.0	µg/mL	+/- 87.1487
63	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	2,518.1	µg/mL	+/- 87.0142
64	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	2,515.0	µg/mL	+/- 86.9068
65	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	2,522.5	µg/mL	+/- 87.1659
66	n-Butylbenzene	104-51-8.SEC MMPGA	99%	2,523.7	µg/mL	+/- 87.2063
67	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	2,512.0	µg/mL	+/- 86.8031
68	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	2,517.7	µg/mL	+/- 86.9989
69	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	2,515.7	µg/mL	+/- 86.9298
70	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	2,520.4	µg/mL	+/- 87.0928
71	Naphthalene	91-20-3.SEC AM5NG	99%	2,520.0	µg/mL	+/- 87.0795
72	1,2,3-Trichlorobenzene	87-61-6.SEC A0043055	99%	2,517.8	µg/mL	+/- 87.0047

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
16C1	240-229857-1	96	101	98	101
16MW8	240-229857-2	96	102	100	104
16MW9	240-229857-3	93	100	99	104
16WC1A	240-229857-4	107	110	94	88
16WDUP	240-229857-5	104	106	92	87
16WC1B	240-229857-6	107	111	95	87
	MB 240-666167/7	98	103	102	106
	MB 240-666364/9	101	104	94	86
	LCS 240-666167/3	93	95	103	105
	LCS 240-666364/5	99	99	103	103
16WC1A MS	240-229857-4 MS	99	99	96	97
	240-229830-B-16 MS	89	90	101	106
16WC1A MSD	240-229857-4 MSD	95	95	93	94
	240-229830-B-16 MSD	89	92	100	103

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 080225-034.D

Lab ID: LCS 240-666167/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acrolein	125	127	102	10-199	
trans-1,4-Dichloro-2-butene	25.0	18.8	75	14-173	
Acetone	50.0	54.2	108	50-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 250805-003.D

Lab ID: LCS 240-666364/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acrolein	125	128	102	10-199	
trans-1,4-Dichloro-2-butene	25.0	25.2	101	14-173	
Acetone	50.0	51.9	104	50-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 250805-027.D

Lab ID: 240-229857-4 MS Client ID: 16WC1A MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acrolein	125	10 U	128	103	10-190	
trans-1,4-Dichloro-2-butene	25.0	10 U	19.8	79	10-149	
Acetone	50.0	10 U	47.6	95	33-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 250805-028.D

Lab ID: 240-229857-4 MSD Client ID: 16WC1A MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acrolein	125	135	108	5	35	10-190	
trans-1,4-Dichloro-2-butene	25.0	20.5	82	3	26	10-149	
Acetone	50.0	47.9	96	1	34	33-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: 080225-038.D Lab Sample ID: MB 240-666167/7

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX22 Date Analyzed: 08/02/2025 23:53

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-666167/3	080225-034.D	08/02/2025 22:19
16C1	240-229857-1	080225-055.D	08/03/2025 06:32
16MW8	240-229857-2	080225-056.D	08/03/2025 06:55
16MW9	240-229857-3	080225-057.D	08/03/2025 07:19
	240-229830-B-16 MSD	080225-059.D	08/03/2025 08:06
	240-229830-B-16 MS	080225-060.D	08/03/2025 08:29

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: 250805-007.D Lab Sample ID: MB 240-666364/9

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX27 Date Analyzed: 08/05/2025 10:55

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-666364/5	250805-003.D	08/05/2025 09:20
16WC1A	240-229857-4	250805-018.D	08/05/2025 15:16
16WDUP	240-229857-5	250805-019.D	08/05/2025 15:39
16WC1B	240-229857-6	250805-020.D	08/05/2025 16:03
16WC1A MS	240-229857-4 MS	250805-027.D	08/05/2025 18:49
16WC1A MSD	240-229857-4 MSD	250805-028.D	08/05/2025 19:13

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: BFB072125-01.D BFB Injection Date: 07/21/2025

Instrument ID: A3UX22 BFB Injection Time: 11:27

Analysis Batch No.: 664587

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	47.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	Greater than 50% of mass 95	79.8	
175	5.0 - 9.0 % of mass 174	5.8	(7.3) 1
176	95.0 - 101.0 % of mass 174	78.0	(97.7) 1
177	5.0 - 9.0 % of mass 176	5.5	(7.0) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 240-664587/4	072125-002.D	07/21/2025	12:14
	IC 240-664587/5	072125-003.D	07/21/2025	12:37
	IC 240-664587/6	072125-004.D	07/21/2025	13:00
	IC 240-664587/7	072125-005.D	07/21/2025	13:24
	IC 240-664587/8	072125-006.D	07/21/2025	13:47
	ICIS 240-664587/9	072125-007.D	07/21/2025	14:11
	IC 240-664587/10	072125-008.D	07/21/2025	14:34
	IC 240-664587/11	072125-009.D	07/21/2025	14:58
	IC 240-664587/12	072125-010.D	07/21/2025	15:22
	ICV 240-664587/14	072125-012.D	07/21/2025	16:09

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: BFB072925-07.D BFB Injection Date: 08/02/2025

Instrument ID: A3UX22 BFB Injection Time: 09:24

Analysis Batch No.: 666158

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.0	
75	30.0 - 60.0 % of mass 95	49.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	85.3	
175	5.0 - 9.0 % of mass 174	5.5	(6.5) 1
176	95.0 - 101.0 % of mass 174	82.3	(96.5) 1
177	5.0 - 9.0 % of mass 176	5.8	(7.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-666167/1	080225-032.D	08/02/2025	21:32
	CCV 240-666167/2	080225-033.D	08/02/2025	21:56
	LCS 240-666167/3	080225-034.D	08/02/2025	22:19
	MB 240-666167/7	080225-038.D	08/02/2025	23:53
16C1	240-229857-1	080225-055.D	08/03/2025	6:32
16MW8	240-229857-2	080225-056.D	08/03/2025	6:55
16MW9	240-229857-3	080225-057.D	08/03/2025	7:19
	240-229830-B-16 MSD	080225-059.D	08/03/2025	8:06
	240-229830-B-16 MS	080225-060.D	08/03/2025	8:29

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: BFBUX27071325-007.D BFB Injection Date: 07/18/2025

Instrument ID: A3UX27 BFB Injection Time: 14:32

Analysis Batch No.: 664444

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.6	
75	30.0 - 60.0 % of mass 95	47.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	1.0	(0.9) 1
174	Greater than 50% of mass 95	105.1	
175	5.0 - 9.0 % of mass 174	7.7	(7.3) 1
176	95.0 - 101.0 % of mass 174	101.7	(96.7) 1
177	5.0 - 9.0 % of mass 176	6.9	(6.8) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 240-664444/4	250718-202.D	07/18/2025	15:22
	IC 240-664444/5	250718-203.D	07/18/2025	15:45
	IC 240-664444/6	250718-204.D	07/18/2025	16:09
	IC 240-664444/7	250718-205.D	07/18/2025	16:33
	IC 240-664444/8	250718-206.D	07/18/2025	16:57
	ICIS 240-664444/9	250718-207.D	07/18/2025	17:20
	IC 240-664444/10	250718-208.D	07/18/2025	17:44
	IC 240-664444/11	250718-209.D	07/18/2025	18:08
	IC 240-664444/12	250718-210.D	07/18/2025	18:31
	ICV 240-664444/14	250718-212.D	07/18/2025	19:19

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: BFBUX27071325-018.D BFB Injection Date: 08/05/2025

Instrument ID: A3UX27 BFB Injection Time: 08:03

Analysis Batch No.: 666364

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.0	
75	30.0 - 60.0 % of mass 95	46.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.9	(0.9) 1
174	Greater than 50% of mass 95	105.7	
175	5.0 - 9.0 % of mass 174	8.1	(7.6) 1
176	95.0 - 101.0 % of mass 174	104.4	(98.9) 1
177	5.0 - 9.0 % of mass 176	6.6	(6.3) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-666364/3	250805-001.D	08/05/2025	8:32
	CCV 240-666364/4	250805-002.D	08/05/2025	8:56
	LCS 240-666364/5	250805-003.D	08/05/2025	9:20
	MB 240-666364/9	250805-007.D	08/05/2025	10:55
16WC1A	240-229857-4	250805-018.D	08/05/2025	15:16
16WDUP	240-229857-5	250805-019.D	08/05/2025	15:39
16WC1B	240-229857-6	250805-020.D	08/05/2025	16:03
16WC1A MS	240-229857-4 MS	250805-027.D	08/05/2025	18:49
16WC1A MSD	240-229857-4 MSD	250805-028.D	08/05/2025	19:13

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Sample No.: ICIS 240-664587/9 Date Analyzed: 07/21/2025 14:11

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 072125-007.D Heated Purge: (Y/N) N

Calibration ID: 78267

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		945881	7.23	741056	10.39	445548	12.37
UPPER LIMIT		1891762	7.73	1482112	10.89	891096	12.87
LOWER LIMIT		472941	6.73	370528	9.89	222774	11.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-664587/14		962415	7.23	750327	10.39	447302	12.37
CCVIS 240-666167/1		1011820	7.23	762881	10.39	444132	12.37

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Sample No.: CCVIS 240-666167/1 Date Analyzed: 08/02/2025 21:32

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 080225-032.D Heated Purge: (Y/N) N

Calibration ID: 78269

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1011820	7.23	762881	10.39	444132	12.37
UPPER LIMIT		2023640	7.73	1525762	10.89	888264	12.87
LOWER LIMIT		505910	6.73	381441	9.89	222066	11.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-666167/2		969452	7.23	738530	10.39	428207	12.37
LCS 240-666167/3		972003	7.23	742725	10.39	429443	12.37
MB 240-666167/7		920149	7.23	727727	10.39	432525	12.37
240-229857-1	16C1	924325	7.23	735813	10.39	435179	12.37
240-229857-2	16MW8	950282	7.23	755344	10.39	444916	12.37
240-229857-3	16MW9	953429	7.23	747327	10.39	439482	12.37
240-229830-B-16 MSD		1021049	7.23	781622	10.39	441440	12.37
240-229830-B-16 MS		1028260	7.23	767690	10.39	439603	12.37

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Sample No.: ICIS 240-664444/9 Date Analyzed: 07/18/2025 17:20

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 250718-207.D Heated Purge: (Y/N) N

Calibration ID: 78258

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1135393	7.71	860110	10.66	502961	12.34
UPPER LIMIT		2270786	8.21	1720220	11.16	1005922	12.84
LOWER LIMIT		567697	7.21	430055	10.16	251481	11.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-664444/14		1162413	7.70	885976	10.66	506923	12.35
CCVIS 240-666364/3		1134783	7.70	841568	10.65	478157	12.34

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Sample No.: CCVIS 240-666364/3 Date Analyzed: 08/05/2025 08:32

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 250805-001.D Heated Purge: (Y/N) N

Calibration ID: 78260

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1134783	7.70	841568	10.65	478157	12.34
UPPER LIMIT		2269566	8.20	1683136	11.15	956314	12.84
LOWER LIMIT		567392	7.20	420784	10.15	239079	11.84
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-666364/4		1078924	7.70	833053	10.65	438766	12.34
LCS 240-666364/5		1101763	7.70	818426	10.65	470108	12.34
MB 240-666364/9		993096	7.71	759251	10.66	389247	12.34
240-229857-4	16WC1A	976053	7.70	766219	10.65	392567	12.35
240-229857-5	16WDUP	986831	7.70	754488	10.66	388827	12.34
240-229857-6	16WC1B	946817	7.70	736836	10.65	377146	12.35
240-229857-4 MS	16WC1A MS	1064120	7.70	834774	10.65	479754	12.35
240-229857-4 MSD	16WC1A MSD	1117705	7.71	871558	10.66	496856	12.34

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16C1 | Lab Sample ID: 240-229857-1

Matrix: Water | Lab File ID: 080225-055.D

Analysis Method: 8260D | Date Collected: 07/30/2025 14:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/03/2025 06:32

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666167 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX22

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	10	U	10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	10	U	10	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		78-122
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-055.D
Lims ID: 240-229857-B-1
Client ID: 16C1
Sample Type: Client
Inject. Date: 03-Aug-2025 06:32:29 ALS Bottle#: 54 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-B-1
Misc. Info.: 240-0157588-024
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: X1KD Date: 08-Sep-2025 11:49:52

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	7.232	7.233	-0.001	99	924325	25.0	
*	2 Chlorobenzene-d5	117	10.387	10.387	0.000	85	735813	25.0	
*	3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	95	435179	25.0	
$	4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	245023	23.9	
$	5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.901	-0.001	0	278398	25.3	
$	6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	861086	24.6	
$	7 4-Bromofluorobenzene (Surr)	95	11.419	11.419	0.000	91	371646	25.2	
	22 Acrolein	56		2.833				ND	
	101 trans-1,4-Dichloro-2-butene	53		11.620				ND	
	25 Acetone	43	3.058	3.058	0.000	99	8839	2.79	

QC Flag Legend
Processing Flags

Reagents:

vm25UX18SS_00017	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added: 0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added: 5.00	Units: uL	Run Reagent

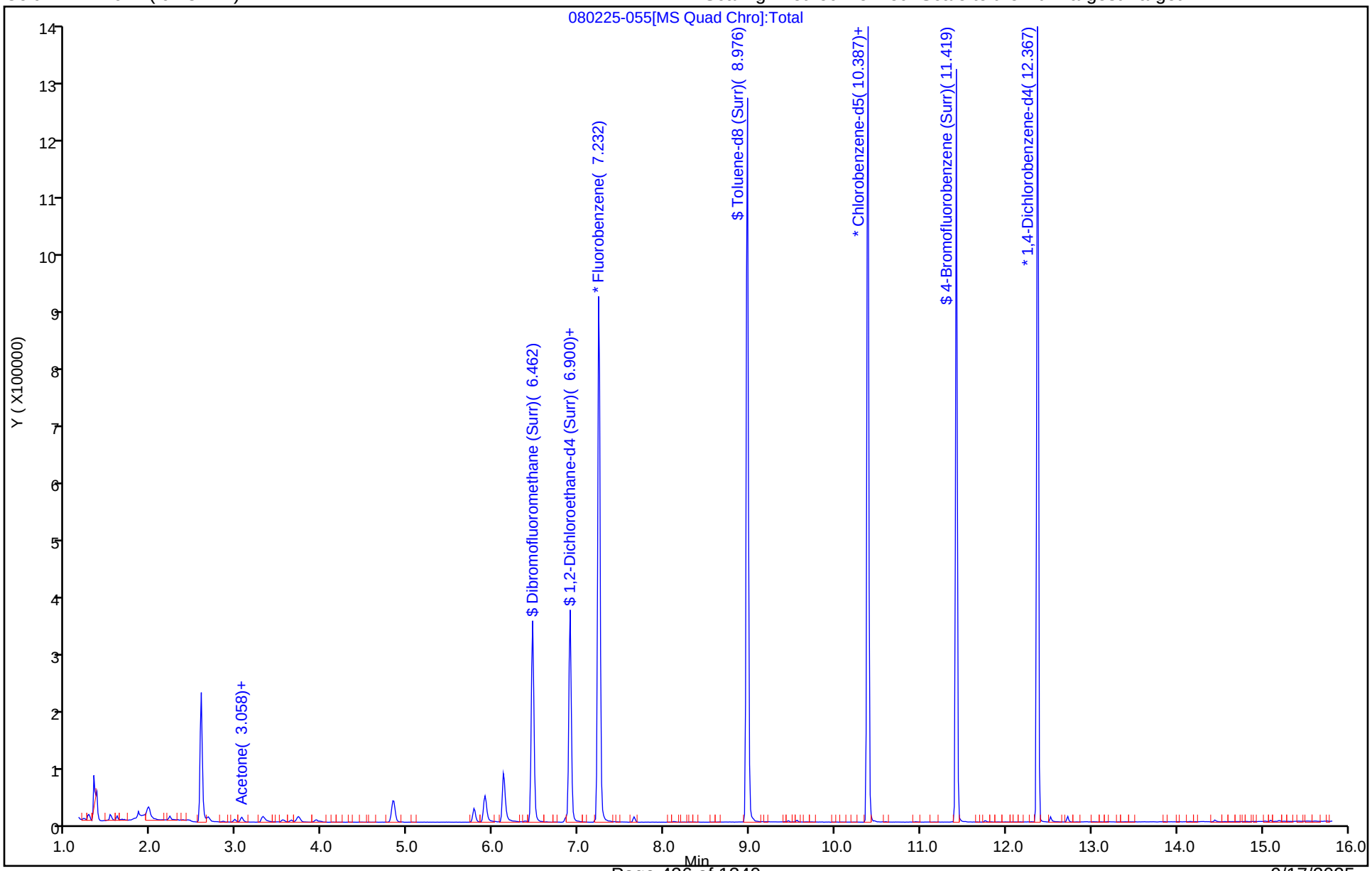
Report Date: 08-Sep-2025 11:49:53 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-055.D

Injection Date:	03-Aug-2025 06:32:29	Instrument ID:	A3UX22	Operator ID:	
Lims ID:	240-229857-B-1	Lab Sample ID:	240-229857-1	Worklist Smp#:	24
Client ID:	16C1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	54
Method:	8260_22	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



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Eurofins Cleveland
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-055.D				
Lims ID:	240-229857-B-1				
Client ID:	16C1				
Sample Type:	Client				
Inject. Date:	03-Aug-2025 06:32:29	ALS Bottle#:	54	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-229857-B-1				
Misc. Info.:	240-0157588-024				
Operator ID:		Instrument ID:	A3UX22		
Method:	\\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	04-Aug-2025 13:51:03	Calib Date:	21-Jul-2025 20:50:46		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1615				

First Level Reviewer: X1KD Date: 08-Sep-2025 11:49:52

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	23.9	95.70
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.3	101.09
$ 6 Toluene-d8 (Surr)	25.0	24.6	98.20
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.2	100.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16MW8 | Lab Sample ID: 240-229857-2

Matrix: Water | Lab File ID: 080225-056.D

Analysis Method: 8260D | Date Collected: 07/29/2025 11:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/03/2025 06:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666167 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX22

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	10	U	10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	10	U	10	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		78-122
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
460-00-4	4-Bromofluorobenzene (Surr)	104		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-056.D
Lims ID: 240-229857-C-2
Client ID: 16MW8
Sample Type: Client
Inject. Date: 03-Aug-2025 06:55:54 ALS Bottle#: 55 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-C-2
Misc. Info.: 240-0157588-025
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 04-Aug-2025 13:49:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.233	0.000	99	950282	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	85	755344	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	96	444916	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	253994	24.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.901	6.901	0.000	0	288544	25.5	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	904410	25.1	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.419	0.000	90	394061	26.1	
22 Acrolein	56		2.833				ND	
101 trans-1,4-Dichloro-2-butene	53		11.620				ND	
25 Acetone	43	3.047	3.058	-0.011	99	10400	3.19	

QC Flag Legend
Processing Flags

Reagents:

vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

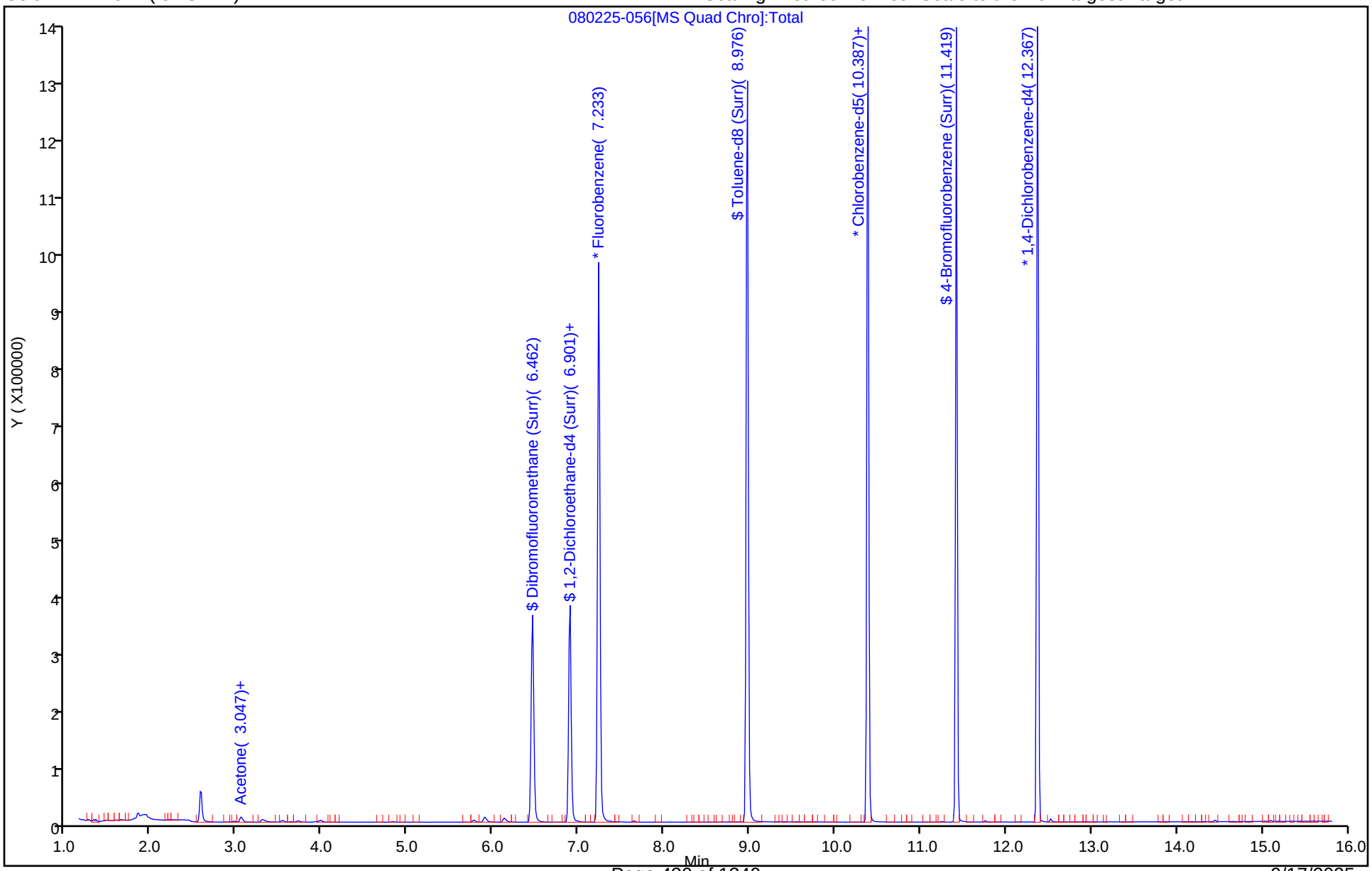
Report Date: 08-Sep-2025 11:50:25 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-056.D

Injection Date:	03-Aug-2025 06:55:54	Instrument ID:	A3UX22	Operator ID:	
Lims ID:	240-229857-C-2	Lab Sample ID:	240-229857-2	Worklist Smp#:	25
Client ID:	16MW8				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	55
Method:	8260_22	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



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Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-056.D
Lims ID: 240-229857-C-2
Client ID: 16MW8
Sample Type: Client
Inject. Date: 03-Aug-2025 06:55:54 ALS Bottle#: 55 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-C-2
Misc. Info.: 240-0157588-025
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 04-Aug-2025 13:49:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	24.1	96.49
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.5	101.91
$ 6 Toluene-d8 (Surr)	25.0	25.1	100.48
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.1	104.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16MW9 | Lab Sample ID: 240-229857-3

Matrix: Water | Lab File ID: 080225-057.D

Analysis Method: 8260D | Date Collected: 07/30/2025 13:15

Sample wt/vol: 5(mL) | Date Analyzed: 08/03/2025 07:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666167 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX22

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	10	U	10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	10	U	10	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		78-122
1868-53-7	Dibromofluoromethane (Surr)	93		73-120
460-00-4	4-Bromofluorobenzene (Surr)	104		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-057.D
Lims ID: 240-229857-A-3
Client ID: 16MW9
Sample Type: Client
Inject. Date: 03-Aug-2025 07:19:20 ALS Bottle#: 56 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-A-3
Misc. Info.: 240-0157588-026
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 04-Aug-2025 13:50:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.232	7.233	-0.001	99	953429	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	85	747327	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	96	439482	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	246466	23.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.901	-0.001	0	282968	24.9	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	881263	24.7	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.419	0.000	89	387734	25.9	
22 Acrolein	56		2.833				ND	
101 trans-1,4-Dichloro-2-butene	53		11.620				ND	
25 Acetone	43	3.046	3.058	-0.012	100	7513	2.30	

QC Flag Legend

Processing Flags

Reagents:

vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

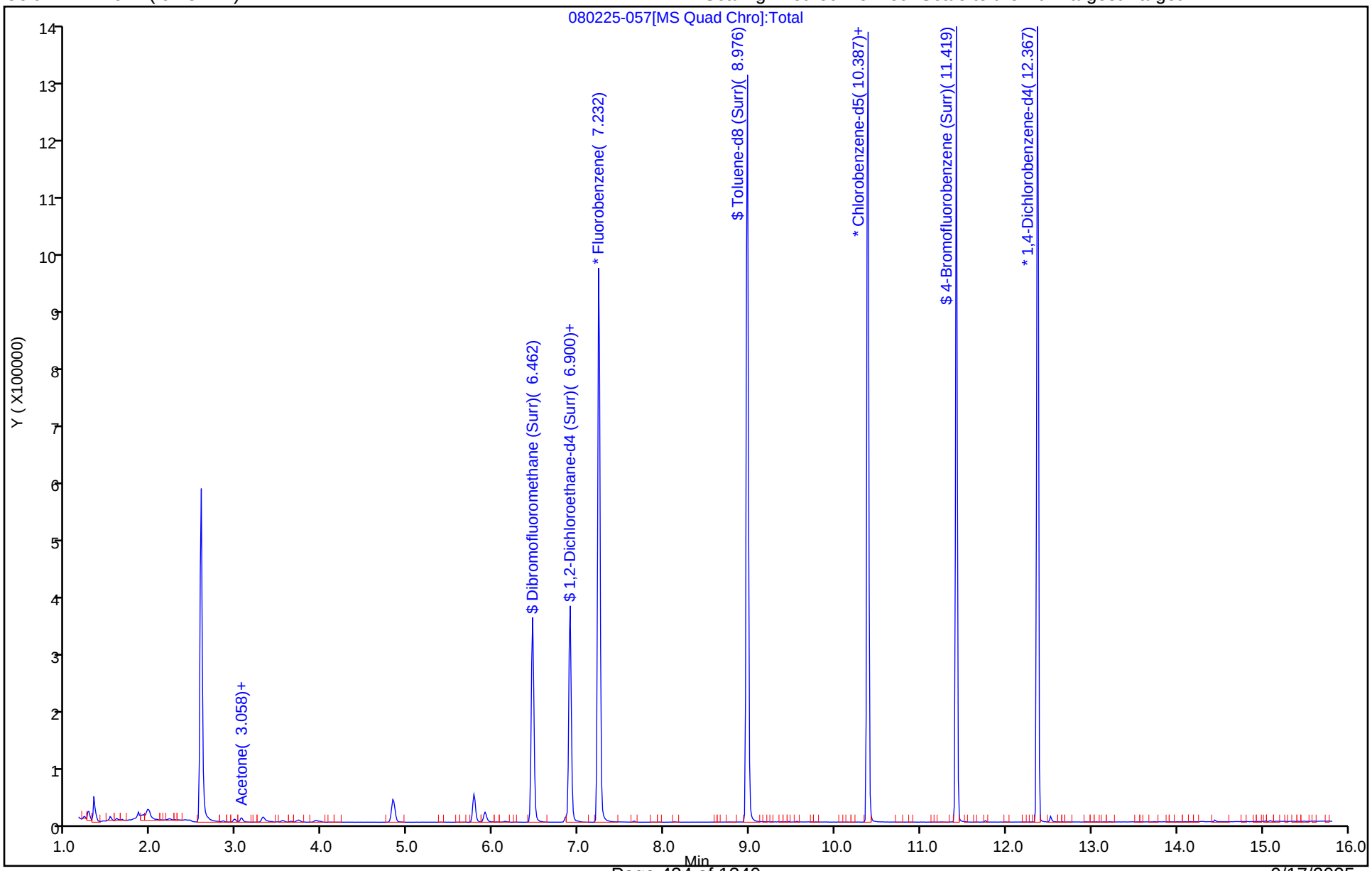
Report Date: 08-Sep-2025 11:50:52 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-057.D

Injection Date:	03-Aug-2025 07:19:20	Instrument ID:	A3UX22	Operator ID:	
Lims ID:	240-229857-A-3	Lab Sample ID:	240-229857-3	Worklist Smp#:	26
Client ID:	16MW9				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	56
Method:	8260_22	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



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Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-057.D
Lims ID: 240-229857-A-3
Client ID: 16MW9
Sample Type: Client
Inject. Date: 03-Aug-2025 07:19:20 ALS Bottle#: 56 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-A-3
Misc. Info.: 240-0157588-026
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 04-Aug-2025 13:50:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	23.3	93.32
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.9	99.61
$ 6 Toluene-d8 (Surr)	25.0	24.7	98.96
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.9	103.70

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A | Lab Sample ID: 240-229857-4

Matrix: Water | Lab File ID: 250805-018.D

Analysis Method: 8260D | Date Collected: 07/30/2025 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/05/2025 15:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666364 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX27

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	10	U	10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	10	U	10	1.5
67-64-1	Acetone	10	U	10	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		78-122
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
460-00-4	4-Bromofluorobenzene (Surr)	88		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-018.D
Lims ID: 240-229857-B-4
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 05-Aug-2025 15:16:03 ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-B-4
Misc. Info.: 240-0157638-020
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:03:09 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 07:57:23

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	7.696	7.696	0.000	99	976053	25.0	
*	2 Chlorobenzene-d5	117	10.649	10.649	0.000	84	766219	25.0	
*	3 1,4-Dichlorobenzene-d4	152	12.345	12.344	0.001	93	392567	25.0	
$	4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	95	293271	26.7	
$	5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.364	0.012	97	345356	27.4	
$	6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	990144	23.6	
$	7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	321670	22.1	
	20 Acrolein	56		4.292				ND	
	97 trans-1,4-Dichloro-2-butene	53		11.645				ND	
	24 Acetone	43		4.482				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

vmUX27IS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vmUX27-SS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added: 0.00	Units:	Run Reagent

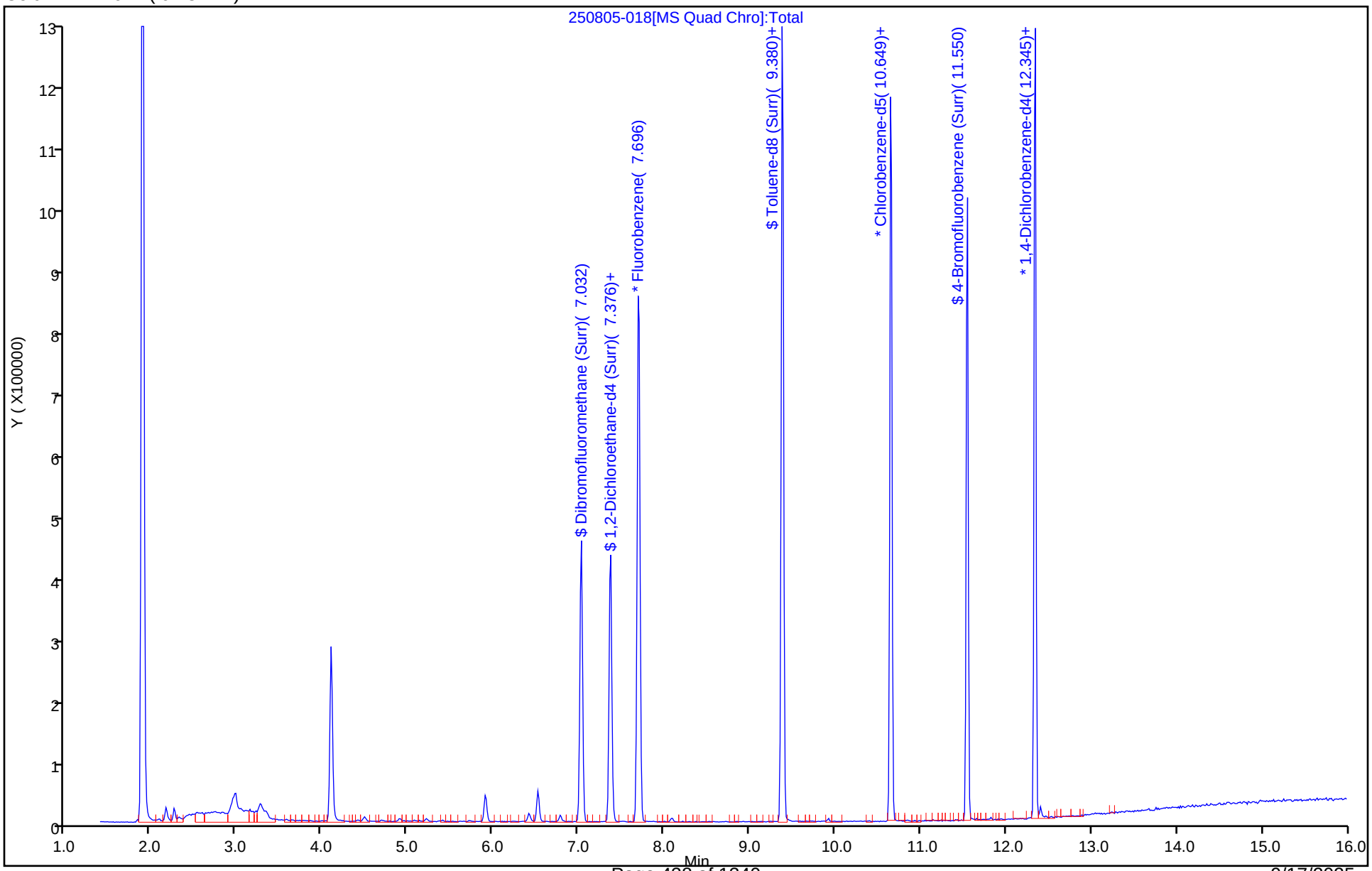
Report Date: 08-Sep-2025 11:56:51 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-018.D

Injection Date:	05-Aug-2025 15:16:03	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	240-229857-B-4	Lab Sample ID:	240-229857-4	Worklist Smp#:	20
Client ID:	16WC1A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



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Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-018.D
Lims ID: 240-229857-B-4
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 05-Aug-2025 15:16:03 ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-B-4
Misc. Info.: 240-0157638-020
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:03:09 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 07:57:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	26.7	106.69
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	27.4	109.76
$ 6 Toluene-d8 (Surr)	25.0	23.6	94.35
$ 7 4-Bromofluorobenzene (Surr)	25.0	22.1	88.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WDUP | Lab Sample ID: 240-229857-5

Matrix: Water | Lab File ID: 250805-019.D

Analysis Method: 8260D | Date Collected: 07/30/2025 09:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/05/2025 15:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666364 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX27

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	10	U	10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	10	U	10	1.5
67-64-1	Acetone	10	U	10	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	92		78-122
1868-53-7	Dibromofluoromethane (Surr)	104		73-120
460-00-4	4-Bromofluorobenzene (Surr)	87		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-019.D
Lims ID: 240-229857-C-5
Client ID: 16WDUP
Sample Type: Client
Inject. Date: 05-Aug-2025 15:39:47 ALS Bottle#: 19 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-C-5
Misc. Info.: 240-0157638-021
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:03:09 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 07:57:32

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	7.696	7.696	0.000	99	986831	25.0	
*	2 Chlorobenzene-d5	117	10.660	10.649	0.011	84	754488	25.0	
*	3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	93	388827	25.0	
$	4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	94	288222	25.9	
$	5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.364	0.012	97	336941	26.5	
$	6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	948905	23.0	
$	7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	86	312326	21.8	
	20 Acrolein	56		4.292				ND	
	97 trans-1,4-Dichloro-2-butene	53		11.645				ND	
	24 Acetone	43		4.482				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

vmUX27IS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vmUX27-SS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added: 0.00	Units:	Run Reagent

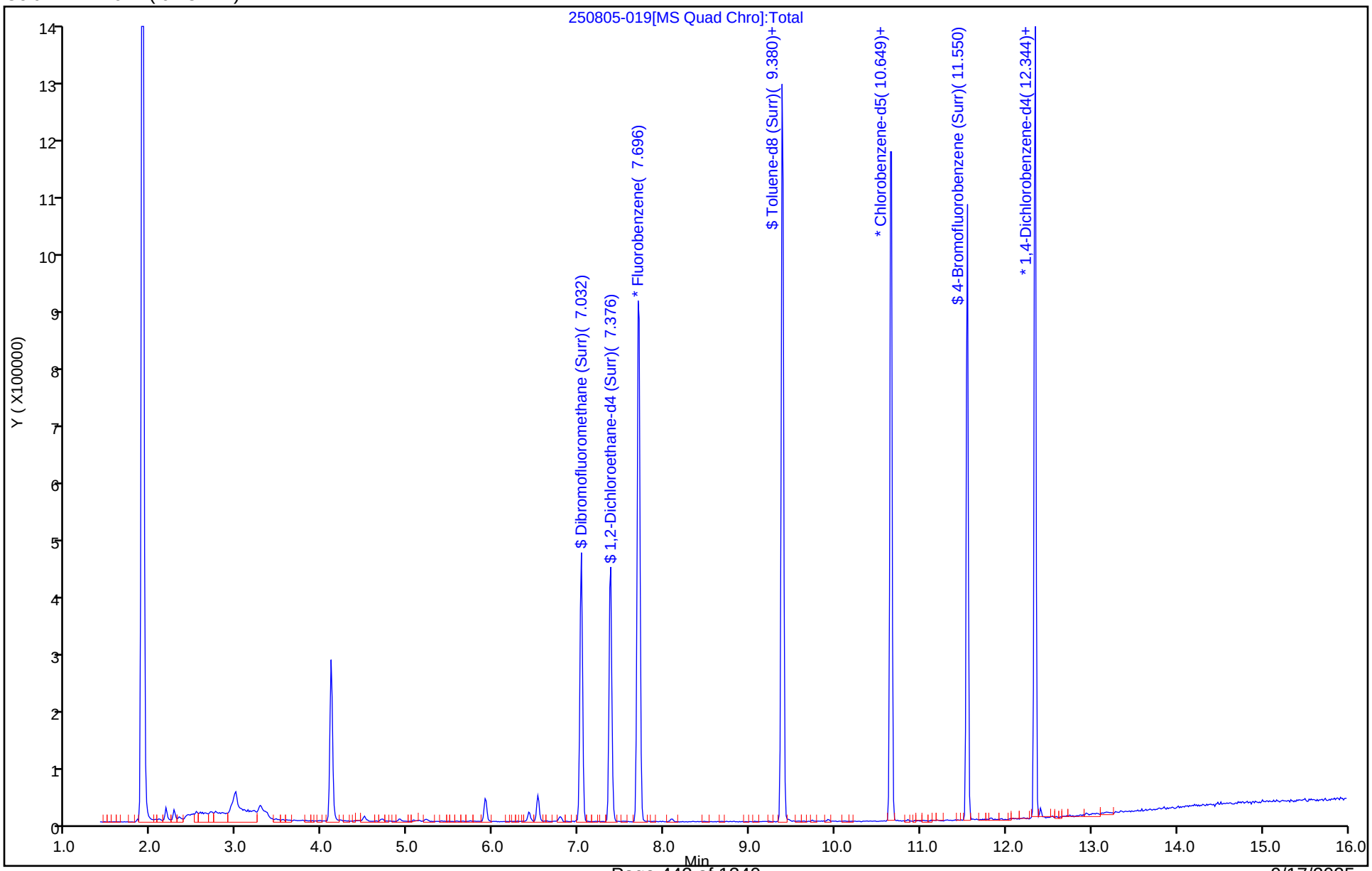
Report Date: 08-Sep-2025 11:57:32 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-019.D

Injection Date:	05-Aug-2025 15:39:47	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	240-229857-C-5	Lab Sample ID:	240-229857-5	Worklist Smp#:	21
Client ID:	16WDUP				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



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Eurofins Cleveland
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-019.D				
Lims ID:	240-229857-C-5				
Client ID:	16WDUP				
Sample Type:	Client				
Inject. Date:	05-Aug-2025 15:39:47	ALS Bottle#:	19	Worklist Smp#:	21
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-229857-C-5				
Misc. Info.:	240-0157638-021				
Operator ID:		Instrument ID:	A3UX27		
Method:	\\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	06-Aug-2025 08:03:09	Calib Date:	19-Jul-2025 00:03:51		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1615				
First Level Reviewer: R5XG		Date:	06-Aug-2025 07:57:32		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.9	103.71
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.5	105.91
$ 6 Toluene-d8 (Surr)	25.0	23.0	91.83
$ 7 4-Bromofluorobenzene (Surr)	25.0	21.8	87.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1B | Lab Sample ID: 240-229857-6

Matrix: Water | Lab File ID: 250805-020.D

Analysis Method: 8260D | Date Collected: 07/30/2025 09:45

Sample wt/vol: 5(mL) | Date Analyzed: 08/05/2025 16:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666364 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX27

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	10	U	10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	10	U	10	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		78-122
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
460-00-4	4-Bromofluorobenzene (Surr)	87		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	111		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-020.D
Lims ID: 240-229857-C-6
Client ID: 16WC1B
Sample Type: Client
Inject. Date: 05-Aug-2025 16:03:28 ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-C-6
Misc. Info.: 240-0157638-022
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:03:09 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 07:57:45

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	7.696	7.696	0.000	99	946817	25.0	
*	2 Chlorobenzene-d5	117	10.649	10.649	0.000	83	736836	25.0	
*	3 1,4-Dichlorobenzene-d4	152	12.345	12.344	0.001	93	377146	25.0	
$	4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	96	284748	26.7	
$	5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.364	0.012	97	340188	27.9	
$	6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	961548	23.8	
$	7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	86	303405	21.7	
	20 Acrolein	56		4.292				ND	
	97 trans-1,4-Dichloro-2-butene	53		11.645				ND	7
	24 Acetone	43		4.482				ND	7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

vmUX27IS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vmUX27-SS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added: 0.00	Units:	Run Reagent

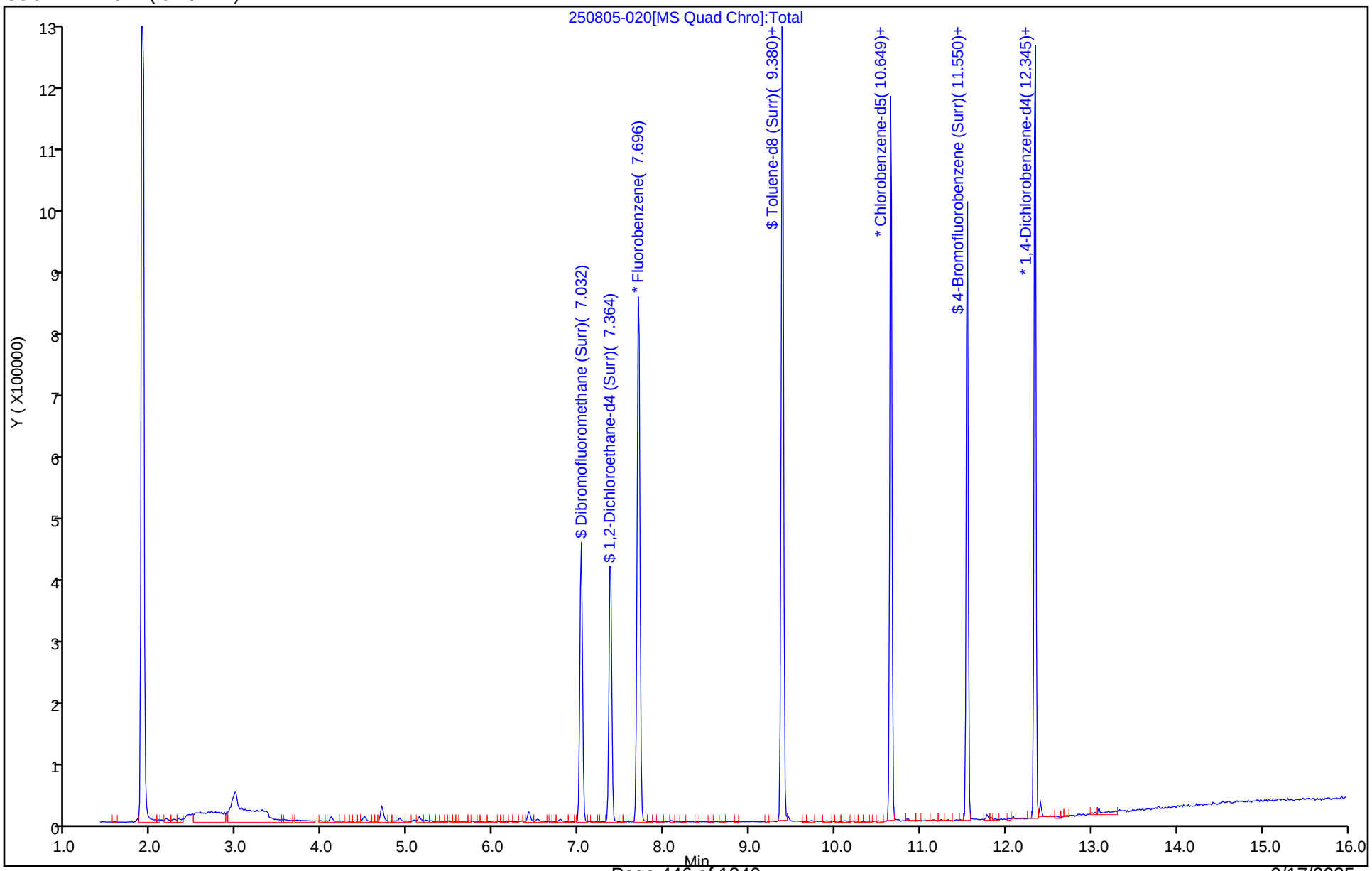
Report Date: 08-Sep-2025 11:58:03 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-020.D

Injection Date:	05-Aug-2025 16:03:28	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	240-229857-C-6	Lab Sample ID:	240-229857-6	Worklist Smp#:	22
Client ID:	16WC1B				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



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Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-020.D
Lims ID: 240-229857-C-6
Client ID: 16WC1B
Sample Type: Client
Inject. Date: 05-Aug-2025 16:03:28 ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-C-6
Misc. Info.: 240-0157638-022
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:03:09 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 07:57:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	26.7	106.79
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	27.9	111.45
$ 6 Toluene-d8 (Surr)	25.0	23.8	95.28
$ 7 4-Bromofluorobenzene (Surr)	25.0	21.7	86.76

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 Calibration End Date: 07/21/2025 15:22 Calibration ID: 78267

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-664587/4	072125-002.D
Level 2	IC 240-664587/5	072125-003.D
Level 3	IC 240-664587/6	072125-004.D
Level 4	IC 240-664587/7	072125-005.D
Level 5	IC 240-664587/8	072125-006.D
Level 6	ICIS 240-664587/9	072125-007.D
Level 7	IC 240-664587/10	072125-008.D
Level 8	IC 240-664587/11	072125-009.D
Level 9	IC 240-664587/12	072125-010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2660 0.2851	0.3172 0.2907	0.2955 0.2852	0.3074 0.2780	0.2964	Ave		0.2913			0.1000	5.2		20.0			
Chloromethane	0.3188 0.2166	0.3000 0.2253	0.2422 0.2173	0.2404 0.2157	0.2304	Ave		0.2452			0.1000	15.5		20.0			
Vinyl chloride	0.2534 0.2349	0.2795 0.2409	0.2476 0.2331	0.2518 0.2269	0.2450	Ave		0.2459			0.1000	6.3		20.0			
Butadiene	0.2272 0.2307	0.2743 0.2365	0.2538 0.2268	0.2576 0.2226	0.2427	Ave		0.2414				7.2		20.0			
Bromomethane	0.5599 0.0825	0.3258 0.0889	0.1545 0.0835	0.1087 0.0850	0.0879	Lin1	0.2320	0.0787			0.0500	15.2		20.0	0.9960		0.9900
Chloroethane	+++++ 0.1060	0.1747 0.0965	0.1357 0.0887	0.1325 0.0853	0.1202	Qua	0.1066	0.1119	-0.000469		0.0500	19.3		20.0	0.9990		0.9900
Trichlorofluoromethane	0.3846 0.3884	0.4472 0.3893	0.4165 0.3705	0.4275 0.3525	0.4090	Ave		0.3984			0.1000	7.4		20.0			
Dichlorofluoromethane	+++++ 0.4734	0.6435 0.4765	0.5717 0.4475	0.5255 0.4320	0.4950	Ave		0.5081				13.8		20.0			
Ethyl ether	0.1777 0.1367	0.1526 0.1400	0.1439 0.1332	0.1448 0.1350	0.1390	Ave		0.1448				9.5		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1579 0.1929	0.1991 0.1986	0.1993 0.1903	0.2079 0.1856	0.1906	Ave		0.1913			0.0500	7.4		20.0			
Acrolein	0.0164 0.0157	0.0204 0.0161	0.0161 0.0152	0.0177 0.0152	0.0157	Ave		0.0165				9.9		20.0			
1,1-Dichloroethene	0.1669 0.1802	0.1980 0.1884	0.1976 0.1819	0.1974 0.1790	0.1876	Ave		0.1863			0.1000	5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 Calibration End Date: 07/21/2025 15:22 Calibration ID: 78267

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Iodomethane	+++++ 0.1207	0.2153 0.1456	0.1327 0.1559	0.1089 0.1732	0.1083	Qua	0.0867	0.0883	0.0013384			19.4		20.0	1.0000		0.9900
Acetone	+++++ 0.0800	0.1078 0.0817	0.0926 0.0799	0.0862 0.0782	0.0799	Ave		0.0858			0.0100	11.7		20.0			
Carbon disulfide	0.5510 0.5267	0.6012 0.5540	0.5734 0.5292	0.5772 0.5191	0.5476	Ave		0.5533			0.1000	4.9		20.0			
3-Chloro-1-propene	0.2382 0.2371	0.2627 0.2413	0.2525 0.2266	0.2555 0.2132	0.2523	Ave		0.2421				6.4		20.0			
Methyl acetate	0.2386 0.1806	0.2124 0.1839	0.1806 0.1802	0.1816 0.1807	0.1790	Ave		0.1908			0.0500	10.9		20.0			
Methylene Chloride	0.3113 0.2008	0.2536 0.2066	0.2224 0.1962	0.2184 0.1943	0.2060	Ave		0.2233			0.1000	16.9		20.0			
2-Methyl-2-propanol	0.0448 0.0394	0.0421 0.0407	0.0381 0.0400	0.0394 0.0399	0.0395	Ave		0.0404				4.9		20.0			
trans-1,2-Dichloroethene	0.2128 0.2137	0.2191 0.2211	0.2289 0.2128	0.2284 0.2092	0.2185	Ave		0.2183			0.1000	3.2		20.0			
Methyl tert-butyl ether	0.5113 0.5307	0.5221 0.5482	0.5122 0.5309	0.5347 0.5264	0.5222	Ave		0.5265			0.1000	2.2		20.0			
Acrylonitrile	0.0923 0.0936	0.0983 0.0960	0.0942 0.0934	0.0957 0.0928	0.0937	Ave		0.0944				2.0		20.0			
Hexane	0.1985 0.2548	0.2468 0.2719	0.2461 0.2550	0.2620 0.2487	0.2402	Ave		0.2471				8.3		20.0			
1,1-Dichloroethane	0.3469 0.3395	0.3691 0.3519	0.3566 0.3371	0.3576 0.3322	0.3462	Ave		0.3486			0.2000	3.3		20.0			
Vinyl acetate	0.2333 0.2386	0.1698 0.2508	0.2004 0.1990	0.2260 0.2495	0.2370	Ave		0.2227				12.2		20.0			
2,2-Dichloropropane	0.0519 0.0603	0.0685 0.0625	0.0623 0.0597	0.0618 0.0600	0.0605	Ave		0.0608				7.0		20.0			
cis-1,2-Dichloroethene	0.2321 0.2339	0.2590 0.2402	0.2464 0.2306	0.2505 0.2287	0.2374	Ave		0.2399			0.1000	4.3		20.0			
2-Butanone (MEK)	0.0375 0.0353	0.0361 0.0381	0.0337 0.0372	0.0352 0.0378	0.0345	Ave		0.0361			0.0100	4.3		20.0			
Chlorobromomethane	0.1502 0.1369	0.1582 0.1377	0.1490 0.1273	0.1539 0.1243	0.1431	Ave		0.1423				8.2		20.0			
Tetrahydrofuran	+++++ 0.0782	0.1116 0.0797	0.0879 0.0785	0.0830 0.0781	0.0805	Ave		0.0847				13.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 Calibration End Date: 07/21/2025 15:22 Calibration ID: 78267

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Chloroform	0.3604 0.3676	0.3995 0.3751	0.3937 0.3597	0.3936 0.3548	0.3766	Ave		0.3757			0.2000	4.4		20.0			
Cyclohexane	0.2447 0.3255	0.3248 0.3387	0.3478 0.3255	0.3494 0.3154	0.3265	Ave		0.3220			0.1000	9.7		20.0			
1,1,1-Trichloroethane	0.3094 0.3366	0.3419 0.3497	0.3544 0.3349	0.3518 0.3269	0.3461	Ave		0.3391			0.1000	4.2		20.0			
Carbon tetrachloride	0.2507 0.3005	0.3114 0.3175	0.3179 0.3058	0.3231 0.2970	0.3092	Ave		0.3037			0.1000	7.1		20.0			
1,1-Dichloropropene	0.2588 0.2896	0.2928 0.3064	0.2978 0.2916	0.3039 0.2843	0.2990	Ave		0.2916				4.8		20.0			
Benzene	0.7819 0.7973	0.8313 0.8285	0.8246 0.8037	0.8330 0.7871	0.8219	Ave		0.8121			0.5000	2.4		20.0			
Isobutyl alcohol	0.0097 0.0108	0.0100 0.0112	0.0097 0.0111	0.0100 0.0111	0.0103	Ave		0.0104				5.8		20.0			
1,2-Dichloroethane	0.2975 0.2696	0.2888 0.2690	0.2765 0.2552	0.2853 0.2495	0.2681	Ave		0.2733			0.1000	5.7		20.0			
n-Heptane	0.0413 0.0610	0.0568 0.0641	0.0583 0.0600	0.0624 0.0592	0.0580	Ave		0.0579				11.5		20.0			
Trichloroethene	0.2314 0.2503	0.2585 0.2612	0.2526 0.2634	0.2557 0.2503	0.2530	Ave		0.2529			0.1500	3.7		20.0			
Methylcyclohexane	0.2672 0.3656	0.3568 0.3871	0.3657 0.3680	0.3761 0.3599	0.3547	Ave		0.3557			0.1000	9.7		20.0			
1,2-Dichloropropane	0.1809 0.1908	0.1930 0.1963	0.1910 0.1863	0.1972 0.1848	0.1891	Ave		0.1899			0.1000	2.8		20.0			
Dibromomethane	0.1536 0.1611	0.1695 0.1641	0.1678 0.1559	0.1668 0.1562	0.1624	Ave		0.1619				3.5		20.0			
1,4-Dioxane	0.0042 0.0048	0.0046 0.0050	0.0045 0.0049	0.0050 0.0048	0.0048	Ave		0.0047				5.3		20.0			
Dichlorobromomethane	0.2475 0.2667	0.2612 0.2720	0.2689 0.2657	0.2724 0.2612	0.2687	Ave		0.2649			0.1500	2.9		20.0			
2-Chloroethyl vinyl ether	0.1222 0.1382	0.1209 0.1451	0.1292 0.1412	0.1334 0.1411	0.1327	Ave		0.1338				6.4		20.0			
cis-1,3-Dichloropropene	0.2941 0.3212	0.3060 0.3386	0.3098 0.3231	0.3152 0.3202	0.3122	Ave		0.3156			0.1500	3.9		20.0			
4-Methyl-2-pentanone (MIBK)	0.2927 0.2184	0.2671 0.2260	0.2166 0.2204	0.2125 0.2201	0.2120	Ave		0.2318			0.0500	12.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 Calibration End Date: 07/21/2025 15:22 Calibration ID: 78267

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Toluene	1.1534 1.1352	1.1691 1.1880	1.1697 1.1442	1.1726 1.1163	1.1300	Ave		1.1532			0.4000	2.0		20.0			
trans-1,3-Dichloropropene	0.2821 0.3638	0.3253 0.3818	0.3160 0.3631	0.3342 0.3715	0.3396	Ave		0.3419			0.1000	9.2		20.0			
Ethyl methacrylate	0.2944 0.3380	0.2846 0.3539	0.2960 0.3488	0.3114 0.3535	0.3162	Ave		0.3219				8.5		20.0			
1,1,2-Trichloroethane	0.2044 0.2440	0.2307 0.2516	0.2259 0.2437	0.2365 0.2428	0.2340	Ave		0.2348			0.1000	5.9		20.0			
Tetrachloroethene	0.2896 0.3299	0.3354 0.3545	0.3308 0.3429	0.3425 0.3320	0.3272	Ave		0.3316			0.1500	5.4		20.0			
1,3-Dichloropropane	0.3597 0.4085	0.3799 0.4171	0.3816 0.4042	0.4004 0.4024	0.3983	Ave		0.3947				4.5		20.0			
2-Hexanone	0.1935 0.2199	0.2043 0.2223	0.1953 0.2190	0.2052 0.2170	0.2145	Ave		0.2101			0.0500	5.2		20.0			
Chlorodibromomethane	0.2309 0.2838	0.2577 0.2967	0.2618 0.2896	0.2703 0.2894	0.2713	Ave		0.2724				7.5		20.0			
Ethylene Dibromide	0.2446 0.2690	0.2395 0.2784	0.2427 0.2701	0.2576 0.2664	0.2553	Ave		0.2582				5.3		20.0			
Chlorobenzene	0.7594 0.7694	0.7826 0.8037	0.7844 0.7779	0.7937 0.7609	0.7629	Ave		0.7772			0.3000	2.0		20.0			
Ethylbenzene	0.4027 0.4244	0.4292 0.4461	0.4425 0.4267	0.4370 0.4176	0.4180	Ave		0.4271				3.2		20.0			
1,1,1,2-Tetrachloroethane	0.2315 0.2716	0.2556 0.2868	0.2382 0.2781	0.2571 0.2736	0.2602	Ave		0.2614				7.0		20.0			
m-Xylene & p-Xylene	0.4892 0.5183	0.5258 0.5556	0.5212 0.5254	0.5322 0.5108	0.5210	Ave		0.5222				3.4		20.0			
o-Xylene	0.4858 0.5024	0.5296 0.5299	0.4899 0.5020	0.5028 0.4949	0.4984	Ave		0.5040				3.1		20.0			
Styrene	0.7199 0.8385	0.7887 0.8703	0.7895 0.8414	0.8298 0.8213	0.8029	Ave		0.8114			0.3000	5.3		20.0			
Bromoform	0.1862 0.2168	0.1860 0.2289	0.1875 0.2231	0.1975 0.2226	0.2024	Ave		0.2057			0.1000	8.5		20.0			
Isopropylbenzene	1.0967 1.2121	1.2171 1.2932	1.2292 1.2432	1.2540 1.1915	1.2121	Ave		1.2166			0.1000	4.4		20.0			
Bromobenzene	0.5336 0.5634	0.5583 0.5939	0.5527 0.5736	0.5922 0.5697	0.5506	Ave		0.5653				3.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 Calibration End Date: 07/21/2025 15:22 Calibration ID: 78267

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	0.5327 0.6203	0.5925 0.6478	0.5823 0.6122	0.6089 0.6257	0.5982	Ave		0.6023			0.3000	5.4		20.0			
N-Propylbenzene	0.5325 0.6456	0.6228 0.6833	0.6274 0.6607	0.6584 0.6461	0.6261	Ave		0.6336				6.7		20.0			
1,2,3-Trichloropropane	0.1750 0.2198	0.2187 0.2298	0.2009 0.2222	0.2196 0.2203	0.2134	Ave		0.2133				7.6		20.0			
trans-1,4-Dichloro-2-butene	0.1590 0.1809	0.1687 0.1851	0.1631 0.1824	0.1708 0.1791	0.1695	Ave		0.1732				5.3		20.0			
2-Chlorotoluene	0.4682 0.5501	0.5521 0.5718	0.5284 0.5578	0.5650 0.5397	0.5408	Ave		0.5415				5.6		20.0			
1,3,5-Trimethylbenzene	1.5761 1.7974	1.7459 1.9141	1.7519 1.8509	1.8595 1.7991	1.7935	Ave		1.7876				5.4		20.0			
4-Chlorotoluene	0.4939 0.5614	0.5347 0.5949	0.5566 0.5721	0.5894 0.5571	0.5556	Ave		0.5573				5.4		20.0			
tert-Butylbenzene	1.4251 1.6441	1.6237 1.7936	1.6377 1.7078	1.7266 1.6385	1.6351	Ave		1.6480				6.1		20.0			
1,2,4-Trimethylbenzene	1.6215 1.8392	1.7806 1.9630	1.7961 1.8735	1.9067 1.8257	1.8215	Ave		1.8253				5.2		20.0			
sec-Butylbenzene	1.9699 2.3435	2.2744 2.5662	2.3275 2.4462	2.4769 2.3294	2.3354	Ave		2.3410				7.1		20.0			
1,3-Dichlorobenzene	0.9782 1.0763	1.0185 1.1306	1.0712 1.1033	1.1108 1.0633	1.0675	Ave		1.0689			0.6000	4.4		20.0			
4-Isopropyltoluene	1.7515 2.0614	1.9648 2.2297	1.9870 2.1499	2.1777 2.0578	2.0468	Ave		2.0474				6.9		20.0			
1,4-Dichlorobenzene	1.0186 1.0666	1.0902 1.1222	1.0507 1.0875	1.1322 1.0614	1.0470	Ave		1.0752			0.5000	3.4		20.0			
n-Butylbenzene	1.4203 1.7382	1.6323 1.8639	1.6399 1.8017	1.7763 1.7431	1.6999	Ave		1.7017				7.6		20.0			
1,2-Dichlorobenzene	0.9535 1.0132	0.9941 1.0504	1.0046 1.0147	1.0281 0.9861	0.9886	Ave		1.0037			0.4000	2.8		20.0			
1,2-Dibromo-3-Chloropropane	0.1546 0.2042	0.1901 0.2130	0.1866 0.2104	0.1874 0.2068	0.1956	Ave		0.1943			0.0500	9.2		20.0			
1,2,4-Trichlorobenzene	0.5380 0.6424	0.5927 0.6907	0.5942 0.6673	0.6703 0.6506	0.6382	Ave		0.6316			0.2000	7.6		20.0			
Hexachlorobutadiene	0.2414 0.2846	0.2857 0.3130	0.2915 0.2984	0.2934 0.2882	0.2772	Ave		0.2859				6.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 Calibration End Date: 07/21/2025 15:22 Calibration ID: 78267

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	1.7660 1.9990	1.7820 2.1145	1.8367 2.0400	1.9878 2.0260	1.9530	Ave		1.9450				6.3		20.0			
1,2,3-Trichlorobenzene	0.5347 0.5990	0.5699 0.6500	0.5646 0.6247	0.6000 0.6065	0.6014	Ave		0.5945				5.7		20.0			
Dibromofluoromethane (Surr)	0.2890 0.2695	0.2899 0.2734	0.2883 0.2665	0.2814 0.2616	0.2733	Ave		0.2770				3.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3148 0.2879	0.3167 0.2910	0.3121 0.2834	0.3021 0.2787	0.2948	Ave		0.2979				4.7		20.0			
Toluene-d8 (Surr)	1.1744 1.1845	1.1678 1.2160	1.1937 1.2205	1.1947 1.2005	1.1726	Ave		1.1916				1.6		20.0			
4-Bromofluorobenzene (Surr)	0.5013 0.4977	0.5031 0.5114	0.5051 0.4996	0.5000 0.4970	0.4874	Ave		0.5003				1.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-664587/4	072125-002.D
Level 2	IC 240-664587/5	072125-003.D
Level 3	IC 240-664587/6	072125-004.D
Level 4	IC 240-664587/7	072125-005.D
Level 5	IC 240-664587/8	072125-006.D
Level 6	ICIS 240-664587/9	072125-007.D
Level 7	IC 240-664587/10	072125-008.D
Level 8	IC 240-664587/11	072125-009.D
Level 9	IC 240-664587/12	072125-010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	4902 269683	11245 409686	27258 561067	69661 688933	137796	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chloromethane	FB	Ave	5874 204841	10633 317570	22340 427565	54474 534541	107128	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl chloride	FB	Ave	4670 222219	9906 339550	22846 458604	57063 562289	113900	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Butadiene	FB	Ave	4186 218262	9723 333324	23415 446231	58380 551595	112820	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Bromomethane	FB	Lin1	10318 77999	11548 125348	14251 164325	24624 210573	40884	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chloroethane	FB	Qua	+++++ 100238	6191 135951	12515 174559	30021 211354	55902	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichlorofluoromethane	FB	Ave	7087 367388	15852 548617	38424 728863	96876 873549	190150	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dichlorofluoromethane	FB	Ave	+++++ 447789	22810 671573	52738 880389	119087 1070511	230161	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl ether	FB	Ave	3275 129297	5411 197295	13272 262093	32815 334618	64614	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2910 182450	7056 279932	18385 374368	47105 459891	88595	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acrolein	FB	Ave	1511 74462	3611 113616	7429 149167	20112 188298	36580	2.50 125	5.00 188	12.5 250	31.3 313	62.5
1,1-Dichloroethene	FB	Ave	3075 170454	7019 265442	18228 357870	44729 443582	87213	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Iodomethane	FB	Qua	+++++ 114167	7631 205160	12243 306730	24688 429173	50350	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acetone	FB	Ave	+++++ 151320	7642 230407	17088 314288	39066 387510	74296	+++++ 50.0	2.00 75.0	5.00 100	12.5 125	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbon disulfide	FB	Ave	10153 498220	21310 780771	52899 1041093	130816 1286381	254583	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
3-Chloro-1-propene	FB	Ave	4390 224250	9311 340075	23297 445711	57903 528259	117282	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methyl acetate	FB	Ave	8795 341719	15057 518256	33322 709092	82299 895406	166462	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Methylene Chloride	FB	Ave	5737 189920	8990 291136	20515 385980	49496 481485	95786	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Methyl-2-propanol	FB	Ave	8263 372208	14932 573779	35139 787441	89390 988140	183880	5.00 250	10.0 375	25.0 500	62.5 625	125
trans-1,2-Dichloroethene	FB	Ave	3921 202089	7766 311541	21112 418551	51767 518510	101571	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methyl tert-butyl ether	FB	Ave	9422 501948	18508 772599	47253 1044461	121171 1304326	242796	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acrylonitrile	FB	Ave	17004 885087	34862 1352246	86946 1837568	216987 2299011	435536	5.00 250	10.0 375	25.0 500	62.5 625	125
Hexane	FB	Ave	3657 241007	8748 383204	22703 501728	59372 616179	111677	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloroethane	FB	Ave	6393 321096	13082 495873	32900 663147	81042 823289	160956	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl acetate	FB	Ave	4300 225640	6020 353474	18490 391392	51222 618304	110176	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2,2-Dichloropropane	FB	Ave	956 57033	2427 88109	5745 117521	13995 148796	28147	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
cis-1,2-Dichloroethene	FB	Ave	4277 221225	9180 338558	22734 453636	56759 566692	110356	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Butanone (MEK)	FB	Ave	1382 66738	2557 107265	6223 146359	15940 187138	32089	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Chlorobromomethane	FB	Ave	2768 129521	5607 194085	13743 250468	34874 308073	66550	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrahydrofuran	FB	Ave	+++++ 147962	7913 224727	16226 308723	37634 387132	74834	+++++ 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Chloroform	FB	Ave	6642 347693	14160 528597	36321 707540	89199 879210	175076	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Cyclohexane	FB	Ave	4509 307878	11513 477334	32085 640435	79184 781590	151783	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,1-Trichloroethane	FB	Ave	5701 318364	12118 492786	32692 658924	79738 810036	160928	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Carbon tetrachloride	FB	Ave	4620 284208	11040 447504	29327 601513	73234 735907	143752	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloropropene	FB	Ave	4769	10379	27470	68867	139007	0.500	1.00	2.50	6.25	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			273945	431779	573681	704528		25.0	37.5	50.0	62.5	
Benzene	FB	Ave	14408 754193	29468 1167610	76070 1581003	188789 1950391	382110	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Isobutyl alcohol	FB	Ave	4483 255044	8859 394457	22314 543459	56658 686523	119817	12.5 625	25.0 938	62.5 1250	156 1563	313
1,2-Dichloroethane	FB	Ave	5482 254965	10237 379111	25507 502097	64661 618230	124653	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
n-Heptane	FB	Ave	761 57696	2012 90358	5375 118050	14145 146723	26967	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichloroethene	FB	Ave	4265 236715	9162 368079	23299 518170	57937 620191	117630	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methylcyclohexane	FB	Ave	4923 345820	12648 545481	33734 724029	85240 891911	164904	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichloropropane	FB	Ave	3333 180518	6841 276682	17621 366425	44693 457849	87909	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dibromomethane	FB	Ave	2831 152380	6007 231284	15484 306738	37792 387019	75494	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,4-Dioxane	FB	Ave	1546 91249	3294 140028	8281 190987	22544 238847	44246	10.0 500	20.0 750	50.0 1000	125 1250	250
Dichlorobromomethane	FB	Ave	4561 252226	9260 383274	24811 522623	61728 647327	124931	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chloroethyl vinyl ether	FB	Ave	4505 261454	8574 409003	23830 555612	60476 699367	123374	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
cis-1,3-Dichloropropene	FB	Ave	5419 303864	10847 477183	28582 635629	71425 793429	145165	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
4-Methyl-2-pentanone (MIBK)	FB	Ave	10788 413132	18934 637130	39970 866988	96311 1090762	197178	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Toluene	CBNZd5	Ave	17272 841278	33922 1316598	87902 1757040	214320 2147179	421433	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
trans-1,3-Dichloropropene	CBNZd5	Ave	4224 269620	9440 423170	23745 557529	61088 714483	126640	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl methacrylate	CBNZd5	Ave	4409 250444	8257 392188	22247 535656	56910 679863	117933	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,2-Trichloroethane	CBNZd5	Ave	3061 180841	6695 278843	16973 374230	43221 466984	87260	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrachloroethene	CBNZd5	Ave	4337 244458	9733 392887	24858 526584	62603 638535	122028	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,3-Dichloropropane	CBNZd5	Ave	5386 302720	11022 462291	28678 620648	73188 774012	148534	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Hexanone	CBNZd5	Ave	5796 325926	11856 492711	29355 672547	75002 834601	160021	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Chlorodibromomethane	CBNZd5	Ave	3458 210333	7477 328813	19671 444762	49400 556597	101189	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethylene Dibromide	CBNZd5	Ave	3663 199347	6948 308516	18235 414786	47084 512345	95216	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chlorobenzene	CBNZd5	Ave	11372 570165	22706 890733	58948 1194585	145070 1463554	284537	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethylbenzene	CBNZd5	Ave	6030 314519	12453 494417	33251 655252	79877 803159	155892	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	3467 201236	7416 317827	17898 427071	46992 526211	97046	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
m-Xylene & p-Xylene	CBNZd5	Ave	7326 384057	15255 615723	39168 806811	97267 982469	194325	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
o-Xylene	CBNZd5	Ave	7275 372307	15365 587314	36812 770843	91892 951835	185892	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Styrene	CBNZd5	Ave	10781 621403	22884 964494	59327 1292043	151663 1579748	299460	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Bromoform	CBNZd5	Ave	2789 160629	5396 253684	14089 342635	36105 428085	75471	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Isopropylbenzene	CBNZd5	Ave	16423 898197	35314 1433273	92375 1909109	229188 2291838	452068	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Bromobenzene	DCBd4	Ave	4862 251006	9758 390130	24984 516986	64133 645477	122977	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,2,2-Tetrachloroethane	DCBd4	Ave	4854 276382	10355 425508	26322 551768	65947 708895	133602	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
N-Propylbenzene	DCBd4	Ave	4852 287631	10885 448823	28360 595440	71303 731999	139830	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,3-Trichloropropane	DCBd4	Ave	1595	3823	9082	23788	47659	0.500	1.00	2.50	6.25	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			97930	150952	200235	249532		25.0	37.5	50.0	62.5	
trans-1,4-Dichloro-2-butene	DCBd4	Ave	1449 80580	2948 121583	7371 164424	18498 202947	37865	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chlorotoluene	DCBd4	Ave	4266 245085	9649 375575	23887 502767	61189 611410	120780	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,3,5-Trimethylbenzene	DCBd4	Ave	14362 800812	30513 1257333	79193 1668153	201394 2038283	400557	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
4-Chlorotoluene	DCBd4	Ave	4501 250151	9345 390790	25160 515579	63836 631128	124087	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
tert-Butylbenzene	DCBd4	Ave	12986 732516	28377 1178165	74029 1539166	186994 1856245	365186	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,4-Trimethylbenzene	DCBd4	Ave	14776 819461	31120 1289457	81191 1688486	206504 2068402	406811	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
sec-Butylbenzene	DCBd4	Ave	17950 1044131	39749 1685685	105213 2204675	268258 2638964	521593	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,3-Dichlorobenzene	DCBd4	Ave	8914 479564	17800 742689	48422 994368	120310 1204589	238414	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
4-Isopropyltoluene	DCBd4	Ave	15960 918465	34339 1464660	89819 1937649	235858 2331341	457134	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,4-Dichlorobenzene	DCBd4	Ave	9282 475227	19053 737171	47495 980172	122618 1202439	233832	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
n-Butylbenzene	DCBd4	Ave	12942 774440	28527 1224358	74131 1623792	192383 1974743	379651	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichlorobenzene	DCBd4	Ave	8689 451416	17374 690009	45414 914534	111353 1117150	220787	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1409 90967	3323 139895	8433 189587	20296 234235	43678	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,4-Trichlorobenzene	DCBd4	Ave	4902 286230	10359 453694	26858 601454	72595 737115	142537	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Hexachlorobutadiene	DCBd4	Ave	2200 126792	4993 205614	13178 268922	31776 326519	61917	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Naphthalene	DCBd4	Ave	16092 890671	31144 1388985	83026 1838555	215291 2295283	436184	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,3-Trichlorobenzene	DCBd4	Ave	4872 266899	9960 426979	25522 563028	64981 687101	134323	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dibromofluoromethane (Surr)	FB	Ave	266316 254962	256940 256909	266001 262100	255074 259253	254164	25.0 25.0	25.0 25.0	25.0 25.0	25.0 25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	290005 272327	280632 273439	287961 278777	273811 276241	274136	25.0 25.0	25.0 25.0	25.0 25.0	25.0 25.0	25.0
Toluene-d8 (Surr)	CBNZd5	Ave	879376	847121	897041	873446	874652	25.0	25.0	25.0	25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 Calibration End Date: 07/21/2025 15:22 Calibration ID: 78267

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			877759	898472	937104	923632		25.0	25.0	25.0	25.0	
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	375320	364950	379539	365562	363586	25.0	25.0	25.0	25.0	25.0
			368831	377853	383592	382413		25.0	25.0	25.0	25.0	

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-664587/4	072125-002.D
Level 2	IC 240-664587/5	072125-003.D
Level 3	IC 240-664587/6	072125-004.D
Level 4	IC 240-664587/7	072125-005.D
Level 5	IC 240-664587/8	072125-006.D
Level 6	ICIS 240-664587/9	072125-007.D
Level 7	IC 240-664587/10	072125-008.D
Level 8	IC 240-664587/11	072125-009.D
Level 9	IC 240-664587/12	072125-010.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-8.7 -0.2	8.9 -2.1	1.4 -4.6	5.5	1.7	-2.1	50 30	30 30	30 30	30	30	30
Chloromethane	30.0 -8.1	22.3 -11.4	-1.2 -12.0	-2.0	-6.0	-11.7	50 30	30 30	30 30	30	30	30
Vinyl chloride	3.1 -2.0	13.6 -5.2	0.7 -7.7	2.4	-0.4	-4.5	50 30	30 30	30 30	30	30	30
Butadiene	-5.9 -2.0	13.6 -6.0	5.2 -7.8	6.7	0.5	-4.4	50 30	30 30	30 30	30	30	30
Bromomethane	21.9 5.1	19.2 0.2	-21.6 3.2	-9.1	-11.9	-7.0	50 30	30 30	30 30	30	30	30
Chloroethane	+++++ -0.9	-39.1 -2.9	-16.2 1.8	6.0	5.6	1.7	 30	50 30	30 30	30	30	30
Trichlorofluoromethane	-3.5 -2.3	12.3 -7.0	4.5 -11.5	7.3	2.7	-2.5	50 30	30 30	30 30	30	30	30
Dichlorofluoromethane	+++++ -6.2	26.6 -11.9	12.5 -15.0	3.4	-2.6	-6.8	 30	50 30	30 30	30	30	30
Ethyl ether	22.8 -3.3	5.4 -8.0	-0.6 -6.7	0.0	-4.0	-5.6	50 30	30 30	30 30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	-17.5 3.8	4.0 -0.5	4.2 -3.0	8.6	-0.4	0.8	50 30	30 30	30 30	30	30	30
Acrolein	-0.7 -2.3	23.4 -8.1	-2.5 -8.0	7.5	-4.7	-4.6	50 30	30 30	30 30	30	30	30
1,1-Dichloroethene	-10.4 1.1	6.3 -2.4	6.0 -3.9	5.9	0.7	-3.3	50 30	30 30	30 30	30	30	30
Iodomethane	+++++ 2.5	42.5 -0.5	6.7 -0.1	-1.5	-3.0	-2.9	 30	50 30	30 30	30	30	30
Acetone	+++++ -4.7	25.7 -6.9	8.0 -8.9	0.5	-6.9	-6.8	 30	50 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Carbon disulfide	-0.4 0.1	8.7 -4.3	3.6 -6.2	4.3	-1.0	-4.8	50 30	30 30	30 30	30	30	30
3-Chloro-1-propene	-1.6 -0.3	8.5 -6.4	4.3 -12.0	5.5	4.2	-2.1	50 30	30 30	30 30	30	30	30
Methyl acetate	25.0 -3.7	11.3 -5.6	-5.4 -5.3	-4.9	-6.2	-5.4	50 30	30 30	30 30	30	30	30
Methylene Chloride	39.4 -7.5	13.6 -12.1	-0.4 -13.0	-2.2	-7.7	-10.1	50 30	30 30	30 30	30	30	30
2-Methyl-2-propanol	10.9 0.7	4.1 -1.0	-5.8 -1.4	-2.5	-2.2	-2.7	50 30	30 30	30 30	30	30	30
trans-1,2-Dichloroethene	-2.5 1.3	0.4 -2.5	4.9 -4.1	4.7	0.1	-2.1	50 30	30 30	30 30	30	30	30
Methyl tert-butyl ether	-2.9 4.1	-0.8 0.8	-2.7 0.0	1.5	-0.8	0.8	50 30	30 30	30 30	30	30	30
Acrylonitrile	-2.3 1.6	4.1 -1.1	-0.2 -1.8	1.4	-0.8	-0.9	50 30	30 30	30 30	30	30	30
Hexane	-19.7 10.0	-0.1 3.2	-0.4 0.6	6.0	-2.8	3.1	50 30	30 30	30 30	30	30	30
1,1-Dichloroethane	-0.5 0.9	5.9 -3.3	2.3 -4.7	2.6	-0.7	-2.6	50 30	30 30	30 30	30	30	30
Vinyl acetate	4.8 12.6	-23.7 -10.7	-10.0 12.0	1.5	6.4	7.1	50 30	30 30	30 30	30	30	30
2,2-Dichloropropane	-14.7 2.8	12.5 -1.8	2.4 -1.3	1.5	-0.5	-0.9	50 30	30 30	30 30	30	30	30
cis-1,2-Dichloroethene	-3.2 0.2	8.0 -3.9	2.7 -4.7	4.4	-1.0	-2.5	50 30	30 30	30 30	30	30	30
2-Butanone (MEK)	3.8 5.3	-0.2 2.9	-6.7 4.5	-2.7	-4.5	-2.4	50 30	30 30	30 30	30	30	30
Chlorobromomethane	5.6 -3.2	11.2 -10.5	4.7 -12.6	8.1	0.6	-3.8	50 30	30 30	30 30	30	30	30
Tetrahydrofuran	+++++ -5.9	31.8 -7.4	3.8 -7.8	-2.0	-5.0	-7.7	 30	50 30	30 30	30	30	30
Chloroform	-4.0 -0.2	6.3 -4.3	4.8 -5.6	4.8	0.2	-2.1	50 30	30 30	30 30	30	30	30
Cyclohexane	-24.0 5.2	0.9 1.1	8.0 -2.1	8.5	1.4	1.1	50 30	30 30	30 30	30	30	30
1,1,1-Trichloroethane	-8.8 3.1	0.8 -1.2	4.5 -3.6	3.8	2.1	-0.7	50 30	30 30	30 30	30	30	30
Carbon tetrachloride	-17.4 4.6	2.6 0.7	4.7 -2.2	6.4	1.8	-1.1	50 30	30 30	30 30	30	30	30
1,1-Dichloropropene	-11.2 5.1	0.4 0.0	2.1 -2.5	4.2	2.5	-0.7	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Benzene	-3.7 2.0	2.4 -1.0	1.5 -3.1	2.6	1.2	-1.8	50 30	30 30	30 30	30	30	30
Isobutyl alcohol	-6.7 7.4	-4.1 6.0	-7.2 6.3	-4.1	-1.1	3.5	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane	8.9 -1.6	5.7 -6.6	1.2 -8.7	4.4	-1.9	-1.4	50 30	30 30	30 30	30	30	30
n-Heptane	-28.7 10.7	-2.0 3.6	0.6 2.3	7.8	0.2	5.4	50 30	30 30	30 30	30	30	30
Trichloroethene	-8.5 3.3	2.2 4.1	-0.1 -1.0	1.1	0.0	-1.1	50 30	30 30	30 30	30	30	30
Methylcyclohexane	-24.9 8.8	0.3 3.5	2.8 1.2	5.7	-0.3	2.8	50 30	30 30	30 30	30	30	30
1,2-Dichloropropane	-4.8 3.4	1.6 -1.9	0.6 -2.7	3.8	-0.4	0.5	50 30	30 30	30 30	30	30	30
Dibromomethane	-5.1 1.3	4.7 -3.7	3.7 -3.6	3.0	0.3	-0.5	50 30	30 30	30 30	30	30	30
1,4-Dioxane	-11.2 5.1	-1.7 2.7	-5.0 2.0	5.3	0.7	2.1	50 30	30 30	30 30	30	30	30
Dichlorobromomethane	-6.6 2.7	-1.4 0.3	1.5 -1.4	2.8	1.4	0.7	50 30	30 30	30 30	30	30	30
2-Chloroethyl vinyl ether	-8.6 8.5	-9.6 5.6	-3.5 5.5	-0.3	-0.8	3.3	50 30	30 30	30 30	30	30	30
cis-1,3-Dichloropropene	-6.8 7.3	-3.0 2.4	-1.8 1.5	-0.1	-1.1	1.8	50 30	30 30	30 30	30	30	30
4-Methyl-2-pentanone (MIBK)	26.3 -2.5	15.2 -4.9	-6.5 -5.0	-8.3	-8.5	-5.8	50 30	30 30	30 30	30	30	30
Toluene	0.0 3.0	1.4 -0.8	1.4 -3.2	1.7	-2.0	-1.6	50 30	30 30	30 30	30	30	30
trans-1,3-Dichloropropene	-17.5 11.7	-4.8 6.2	-7.6 8.6	-2.3	-0.7	6.4	50 30	30 30	30 30	30	30	30
Ethyl methacrylate	-8.5 9.9	-11.6 8.4	-8.0 9.8	-3.3	-1.8	5.0	50 30	30 30	30 30	30	30	30
1,1,2-Trichloroethane	-13.0 7.1	-1.7 3.8	-3.8 3.4	0.7	-0.4	3.9	50 30	30 30	30 30	30	30	30
Tetrachloroethene	-12.7 6.9	1.1 3.4	-0.3 0.1	3.3	-1.3	-0.5	50 30	30 30	30 30	30	30	30
1,3-Dichloropropane	-8.9 5.7	-3.7 2.4	-3.3 2.0	1.5	0.9	3.5	50 30	30 30	30 30	30	30	30
2-Hexanone	-7.9 5.8	-2.8 4.2	-7.0 3.3	-2.3	2.1	4.7	50 30	30 30	30 30	30	30	30
Chlorodibromomethane	-15.2 8.9	-5.4 6.3	-3.9 6.2	-0.8	-0.4	4.2	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 Calibration End Date: 07/21/2025 15:22 Calibration ID: 78267

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Ethylene Dibromide	-5.3 7.8	-7.2 4.6	-6.0 3.2	-0.2	-1.1	4.2	50 30	30 30	30 30	30	30	30
Chlorobenzene	-2.3 3.4	0.7 0.1	0.9 -2.1	2.1	-1.8	-1.0	50 30	30 30	30 30	30	30	30
Ethylbenzene	-5.7 4.4	0.5 -0.1	3.6 -2.2	2.3	-2.1	-0.6	50 30	30 30	30 30	30	30	30
1,1,1,2-Tetrachloroethane	-11.4 9.7	-2.2 6.4	-8.9 4.7	-1.6	-0.5	3.9	50 30	30 30	30 30	30	30	30
m-Xylene & p-Xylene	-6.3 6.4	0.7 0.6	-0.2 -2.2	1.9	-0.2	-0.7	50 30	30 30	30 30	30	30	30
o-Xylene	-3.6 5.2	5.1 -0.4	-2.8 -1.8	-0.2	-1.1	-0.3	50 30	30 30	30 30	30	30	30
Styrene	-11.3 7.3	-2.8 3.7	-2.7 1.2	2.3	-1.0	3.3	50 30	30 30	30 30	30	30	30
Bromoform	-9.4 11.3	-9.6 8.5	-8.8 8.2	-3.9	-1.6	5.4	50 30	30 30	30 30	30	30	30
Isopropylbenzene	-9.9 6.3	0.0 2.2	1.0 -2.1	3.1	-0.4	-0.4	50 30	30 30	30 30	30	30	30
Bromobenzene	-5.6 5.1	-1.2 1.5	-2.2 0.8	4.7	-2.6	-0.3	50 30	30 30	30 30	30	30	30
1,1,2,2-Tetrachloroethane	-11.6 7.6	-1.6 1.6	-3.3 3.9	1.1	-0.7	3.0	50 30	30 30	30 30	30	30	30
N-Propylbenzene	-16.0 7.8	-1.7 4.3	-1.0 2.0	3.9	-1.2	1.9	50 30	30 30	30 30	30	30	30
1,2,3-Trichloropropane	-17.9 7.7	2.6 4.2	-5.8 3.3	3.0	0.0	3.0	50 30	30 30	30 30	30	30	30
trans-1,4-Dichloro-2-butene	-8.2 6.9	-2.6 5.3	-5.8 3.4	-1.4	-2.1	4.4	50 30	30 30	30 30	30	30	30
2-Chlorotoluene	-13.5 5.6	2.0 3.0	-2.4 -0.3	4.3	-0.1	1.6	50 30	30 30	30 30	30	30	30
1,3,5-Trimethylbenzene	-11.8 7.1	-2.3 3.5	-2.0 0.6	4.0	0.3	0.5	50 30	30 30	30 30	30	30	30
4-Chlorotoluene	-11.4 6.7	-4.1 2.6	-0.1 0.0	5.8	-0.3	0.7	50 30	30 30	30 30	30	30	30
tert-Butylbenzene	-13.5 8.8	-1.5 3.6	-0.6 -0.6	4.8	-0.8	-0.2	50 30	30 30	30 30	30	30	30
1,2,4-Trimethylbenzene	-11.2 7.5	-2.4 2.6	-1.6 0.0	4.5	-0.2	0.8	50 30	30 30	30 30	30	30	30
sec-Butylbenzene	-15.9 9.6	-2.8 4.5	-0.6 -0.5	5.8	-0.2	0.1	50 30	30 30	30 30	30	30	30
1,3-Dichlorobenzene	-8.5 5.8	-4.7 3.2	0.2 -0.5	3.9	-0.1	0.7	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664587

SDG No.:

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/21/2025 12:14 | Calibration End Date: 07/21/2025 15:22 | Calibration ID: 78267

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
4-Isopropyltoluene	-14.5 8.9	-4.0 5.0	-3.0 0.5	6.4	0.0	0.7	50 30	30 30	30 30	30	30	30
1,4-Dichlorobenzene	-5.3 4.4	1.4 1.2	-2.3 -1.3	5.3	-2.6	-0.8	50 30	30 30	30 30	30	30	30
n-Butylbenzene	-16.5 9.5	-4.1 5.9	-3.6 2.4	4.4	-0.1	2.1	50 30	30 30	30 30	30	30	30
1,2-Dichlorobenzene	-5.0 4.7	-1.0 1.1	0.1 -1.8	2.4	-1.5	0.9	50 30	30 30	30 30	30	30	30
1,2-Dibromo-3-Chloropropane	-20.4 9.6	-2.1 8.3	-4.0 6.4	-3.5	0.7	5.1	50 30	30 30	30 30	30	30	30
1,2,4-Trichlorobenzene	-14.8 9.4	-6.2 5.7	-5.9 3.0	6.1	1.0	1.7	50 30	30 30	30 30	30	30	30
Hexachlorobutadiene	-15.6 9.5	-0.1 4.4	2.0 0.8	2.6	-3.0	-0.5	50 30	30 30	30 30	30	30	30
Naphthalene	-9.2 8.7	-8.4 4.9	-5.6 4.2	2.2	0.4	2.8	50 30	30 30	30 30	30	30	30
1,2,3-Trichlorobenzene	-10.1 9.3	-4.1 5.1	-5.0 2.0	0.9	1.2	0.8	50 30	30 30	30 30	30	30	30
Dibromofluoromethane (Surr)	4.3 -1.3	4.7 -3.8	4.1 -5.6	1.6	-1.3	-2.7	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane-d4 (Surr)	5.6 -2.3	6.3 -4.9	4.8 -6.5	1.4	-1.1	-3.4	50 30	30 30	30 30	30	30	30
Toluene-d8 (Surr)	-1.4 2.0	-2.0 2.4	0.2 0.7	0.3	-1.6	-0.6	50 30	30 30	30 30	30	30	30
4-Bromofluorobenzene (Surr)	0.2 2.2	0.6 -0.1	1.0 -0.7	-0.1	-2.6	-0.5	50 30	30 30	30 30	30	30	30

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-002.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Jul-2025 12:14:01 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 240-0157172-004
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:04 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 13:40:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.232	7.232	0.000	99	921368	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	85	748765	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	96	455615	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.461	6.462	-0.001	94	266316	25.0	26.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.900	0.000	0	290005	25.0	26.4	
$ 6 Toluene-d8 (Surr)	98	8.975	8.976	-0.001	93	879376	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.418	11.418	0.000	90	375320	25.0	25.0	
9 Dichlorodifluoromethane	85	1.232	1.232	0.000	98	4902	0.5000	0.4566	
10 Chloromethane	50	1.421	1.422	-0.001	98	5874	0.5000	0.6501	
12 Vinyl chloride	62	1.516	1.516	0.000	97	4670	0.5000	0.5153	
13 Butadiene	54	1.540	1.552	-0.012	90	4186	0.5000	0.4706	
14 Bromomethane	94	1.848	1.849	0.000	93	10318	0.5000	0.6096	
15 Chloroethane	64	1.943	1.943	0.000	57	3768	0.5000	-0.0391	
16 Trichlorofluoromethane	101	2.192	2.181	0.011	98	7087	0.5000	0.4827	
18 Dichlorofluoromethane	67	2.216	2.216	0.000	96	16414	0.5000	0.8765	
19 Ethyl ether	59	2.584	2.584	0.000	86	3275	0.5000	0.6138	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.809	2.809	0.000	86	2910	0.5000	0.4127	
22 Acrolein	56	2.833	2.833	0.000	53	1511	2.50	2.48	
23 1,1-Dichloroethene	96	2.844	2.833	0.011	98	3075	0.5000	0.4478	
26 Iodomethane	142	3.058	3.058	0.000	99	6595	0.5000	1.03	
25 Acetone	43	3.058	3.058	0.000	75	5469	1.00	1.73	
27 Carbon disulfide	76	3.082	3.082	0.000	100	10153	0.5000	0.4979	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	86	4390	0.5000	0.4919	
29 Methyl acetate	43	3.485	3.485	0.000	95	8795	1.00	1.25	
31 Methylene Chloride	84	3.639	3.639	0.000	86	5737	0.5000	0.6971	
32 2-Methyl-2-propanol	59	3.924	3.936	-0.012	98	8263	5.00	5.54	
33 Methyl tert-butyl ether	73	3.995	3.983	0.012	90	9422	0.5000	0.4855	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	80	3921	0.5000	0.4875	
35 Acrylonitrile	53	4.184	4.185	-0.001	97	17004	5.00	4.89	
36 Hexane	57	4.339	4.339	0.000	85	3657	0.5000	0.4016	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	94	6393	0.5000	0.4977	
40 Vinyl acetate	43	4.979	4.967	0.012	96	4300	0.5000	0.5239	
42 2,2-Dichloropropane	97	5.702	5.703	-0.001	90	956	0.5000	0.4264	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	39	4277	0.5000	0.4838	
44 2-Butanone (MEK)	72	5.880	5.869	0.011	95	1382	1.00	1.04	
48 Chlorobromomethane	49	6.117	6.118	-0.001	89	2768	0.5000	0.5278	
49 Tetrahydrofuran	42	6.129	6.118	0.011	82	4816	1.00	1.54	
51 Chloroform	83	6.236	6.248	-0.012	90	6642	0.5000	0.4798	
52 Cyclohexane	84	6.331	6.331	0.000	87	4509	0.5000	0.3799	
53 1,1,1-Trichloroethane	97	6.378	6.379	-0.001	98	5701	0.5000	0.4562	
54 Carbon tetrachloride	117	6.532	6.533	-0.001	96	4620	0.5000	0.4128	
55 1,1-Dichloropropene	75	6.604	6.604	0.000	94	4769	0.5000	0.4438	
56 Benzene	78	6.853	6.853	0.000	89	14408	0.5000	0.4814	
57 Isobutyl alcohol	41	6.948	6.948	0.000	94	4483	12.5	11.7	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	97	5482	0.5000	0.5443	
60 n-Heptane	100	7.125	7.126	-0.001	81	761	0.5000	0.3566	
61 Trichloroethene	130	7.647	7.647	0.000	92	4265	0.5000	0.4576	
63 Methylcyclohexane	83	7.754	7.754	0.000	82	4923	0.5000	0.3756	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	93	3333	0.5000	0.4762	
67 Dibromomethane	174	8.098	8.098	0.000	88	2831	0.5000	0.4744	
68 1,4-Dioxane	88	8.110	8.110	0.000	45	1546	10.0	8.88	
70 Dichlorobromomethane	83	8.276	8.276	0.000	95	4561	0.5000	0.4671	
72 2-Chloroethyl vinyl ether	63	8.631	8.632	-0.001	90	4505	1.00	0.9137	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	95	5419	0.5000	0.4659	
74 4-Methyl-2-pentanone (MIBK)	43	8.940	8.928	0.012	90	10788	1.00	1.26	
75 Toluene	91	9.047	9.047	-0.001	97	17272	0.5000	0.5001	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	90	4224	0.5000	0.4125	
77 Ethyl methacrylate	69	9.414	9.402	0.012	86	4409	0.5000	0.4574	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	91	3061	0.5000	0.4352	
79 Tetrachloroethene	166	9.556	9.557	-0.001	94	4337	0.5000	0.4366	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	5386	0.5000	0.4556	
82 2-Hexanone	43	9.770	9.758	0.012	92	5796	1.00	0.9210	
84 Chlorodibromomethane	129	9.877	9.877	0.000	87	3458	0.5000	0.4239	
85 Ethylene Dibromide	107	9.983	9.984	-0.001	99	3663	0.5000	0.4737	
87 Chlorobenzene	112	10.410	10.410	0.000	94	11372	0.5000	0.4885	
88 Ethylbenzene	106	10.481	10.482	-0.001	97	6030	0.5000	0.4714	
89 1,1,1,2-Tetrachloroethane	131	10.493	10.493	0.000	94	3467	0.5000	0.4428	
90 m-Xylene & p-Xylene	106	10.588	10.588	0.000	99	7326	0.5000	0.4684	
92 o-Xylene	106	10.944	10.944	0.000	95	7275	0.5000	0.4820	
93 Styrene	104	10.968	10.968	0.000	93	10781	0.5000	0.4436	
94 Bromoform	173	11.145	11.146	-0.001	94	2789	0.5000	0.4528	
95 Isopropylbenzene	105	11.252	11.252	0.000	95	16423	0.5000	0.4507	
97 Bromobenzene	156	11.537	11.537	0.000	90	4862	0.5000	0.4719	
98 1,1,2,2-Tetrachloroethane	83	11.572	11.573	-0.001	95	4854	0.5000	0.4422	
99 N-Propylbenzene	120	11.596	11.596	0.000	99	4852	0.5000	0.4202	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	81	1595	0.5000	0.4103	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	74	1449	0.5000	0.4591	
102 2-Chlorotoluene	126	11.691	11.691	0.000	97	4266	0.5000	0.4323	
103 1,3,5-Trimethylbenzene	105	11.750	11.750	0.000	96	14362	0.5000	0.4408	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	4501	0.5000	0.4432	
105 tert-Butylbenzene	119	11.999	12.000	-0.001	92	12986	0.5000	0.4324	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	96	14776	0.5000	0.4442	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.189	12.189	0.000	93	17950	0.5000	0.4207	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	96	8914	0.5000	0.4576	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	15960	0.5000	0.4277	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	90	9282	0.5000	0.4737	
114 n-Butylbenzene	91	12.640	12.628	0.012	97	12942	0.5000	0.4173	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	97	8689	0.5000	0.4750	
116 1,2-Dibromo-3-Chloropropane	157	13.339	13.340	-0.001	85	1409	0.5000	0.3979	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	92	4902	0.5000	0.4259	
119 Hexachlorobutadiene	225	14.039	14.039	0.000	94	2200	0.5000	0.4222	
121 Naphthalene	128	14.158	14.158	0.000	97	16092	0.5000	0.4540	
122 1,2,3-Trichlorobenzene	180	14.347	14.348	-0.001	94	4872	0.5000	0.4496	
S 127 Trihalomethanes, Total	1				0		2.00	1.82	
S 126 Total BTEX	1				0		2.50	2.40	
S 128 1,2-Dichloroethene, Total	96				0			0.9713	
S 129 1,3-Dichloropropene, Total	75				0			0.8784	
S 130 Xylenes, Total	106				0		1.00	0.9504	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00647	Amount Added:	0.40	Units: uL	
VMAROLISTDW_00604	Amount Added:	0.40	Units: uL	
VMRGAS_00588	Amount Added:	0.40	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Jul-2025 09:28:05 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-002.D

Injection Date: 21-Jul-2025 12:14:01 Instrument ID: A3UX22 Operator ID:

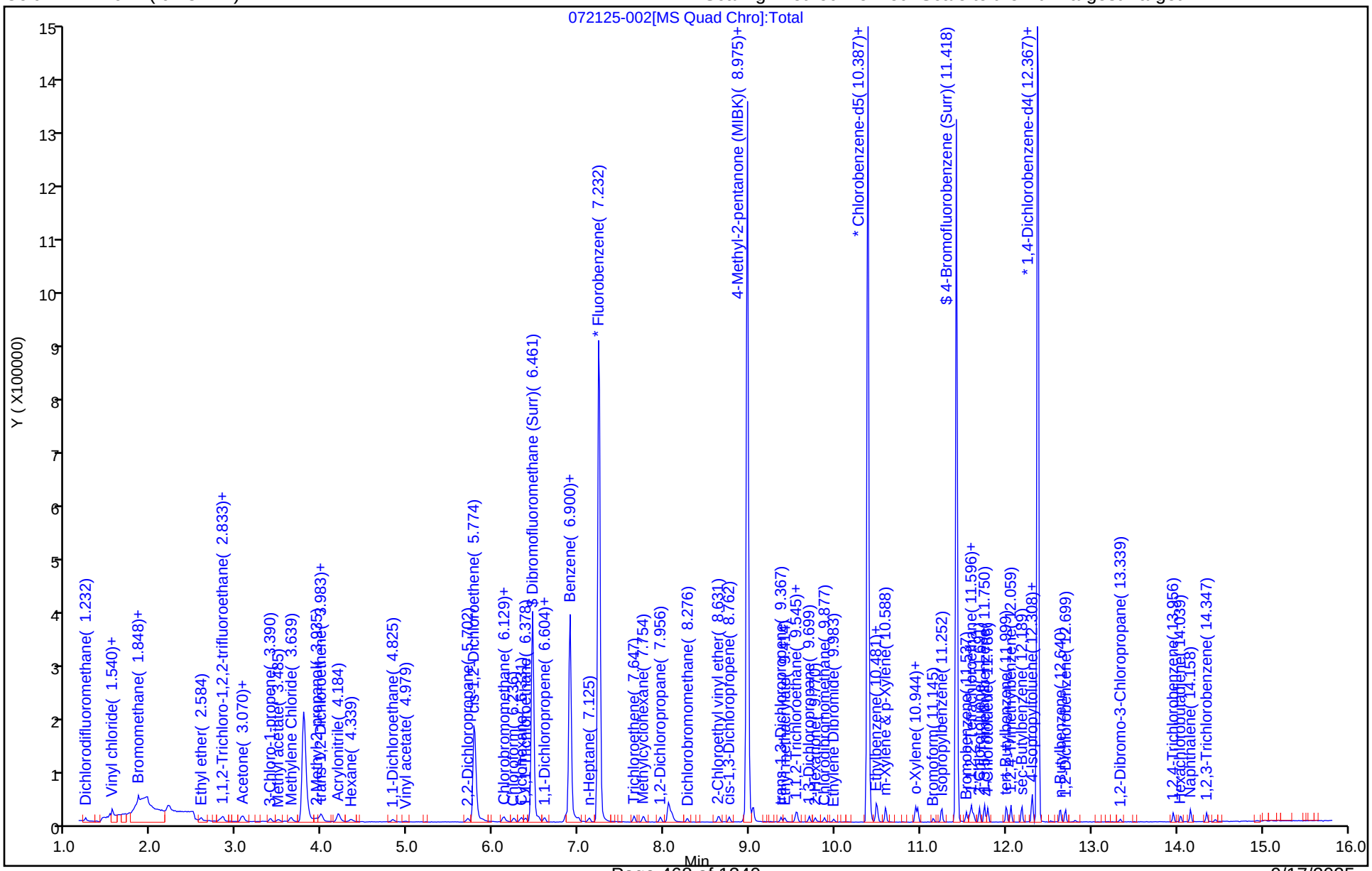
Lims ID: IC Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-003.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Jul-2025 12:37:26 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 240-0157172-005
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:11 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 13:41:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.232	0.001	99	886180	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	84	725373	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	96	436921	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	93	256940	25.0	26.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.900	0.000	0	280632	25.0	26.6	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	94	847121	25.0	24.5	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.418	0.001	91	364950	25.0	25.1	
9 Dichlorodifluoromethane	85	1.232	1.232	0.000	99	11245	1.00	1.09	
10 Chloromethane	50	1.422	1.422	0.000	99	10633	1.00	1.22	
12 Vinyl chloride	62	1.517	1.516	0.001	97	9906	1.00	1.14	
13 Butadiene	54	1.552	1.552	0.000	88	9723	1.00	1.14	
14 Bromomethane	94	1.849	1.849	0.001	94	11548	1.00	1.19	
15 Chloroethane	64	1.955	1.943	0.012	91	6191	1.00	0.6094	
16 Trichlorofluoromethane	101	2.193	2.181	0.012	98	15852	1.00	1.12	
18 Dichlorofluoromethane	67	2.216	2.216	0.000	97	22810	1.00	1.27	
19 Ethyl ether	59	2.584	2.584	0.000	86	5411	1.00	1.05	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.809	2.809	0.000	90	7056	1.00	1.04	
22 Acrolein	56	2.833	2.833	0.000	46	3611	5.00	6.17	
23 1,1-Dichloroethene	96	2.845	2.833	0.012	98	7019	1.00	1.06	
26 Iodomethane	142	3.058	3.058	0.000	99	7631	1.00	1.42	
25 Acetone	43	3.058	3.058	0.000	97	7642	2.00	2.51	
27 Carbon disulfide	76	3.082	3.082	0.000	99	21310	1.00	1.09	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	86	9311	1.00	1.08	
29 Methyl acetate	43	3.485	3.485	0.000	96	15057	2.00	2.23	
31 Methylene Chloride	84	3.639	3.639	0.000	89	8990	1.00	1.14	
32 2-Methyl-2-propanol	59	3.924	3.936	-0.012	99	14932	10.0	10.4	
33 Methyl tert-butyl ether	73	3.995	3.983	0.012	91	18508	1.00	0.99	
34 trans-1,2-Dichloroethene	96	3.995	3.983	0.012	82	7766	1.00	1.00	
35 Acrylonitrile	53	4.185	4.185	0.000	100	34862	10.0	10.4	
36 Hexane	57	4.339	4.339	0.000	88	8748	1.00	1.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.837	4.825	0.012	95	13082	1.00	1.06	
40 Vinyl acetate	43	4.968	4.967	0.001	97	6020	1.00	0.7625	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	89	2427	1.00	1.13	
43 cis-1,2-Dichloroethene	96	5.786	5.774	0.012	40	9180	1.00	1.08	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	96	2557	2.00	2.00	
48 Chlorobromomethane	49	6.118	6.118	0.000	85	5607	1.00	1.11	
49 Tetrahydrofuran	42	6.130	6.118	0.012	79	7913	2.00	2.64	
51 Chloroform	83	6.248	6.248	0.000	96	14160	1.00	1.06	
52 Cyclohexane	84	6.331	6.331	0.000	86	11513	1.00	1.01	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	97	12118	1.00	1.01	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	11040	1.00	1.03	
55 1,1-Dichloropropene	75	6.604	6.604	0.000	95	10379	1.00	1.00	
56 Benzene	78	6.853	6.853	0.000	96	29468	1.00	1.02	
57 Isobutyl alcohol	41	6.948	6.948	0.000	92	8859	25.0	24.0	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	97	10237	1.00	1.06	
60 n-Heptane	100	7.126	7.126	0.000	85	2012	1.00	0.9804	
61 Trichloroethene	130	7.648	7.647	0.001	96	9162	1.00	1.02	
63 Methylcyclohexane	83	7.754	7.754	0.000	86	12648	1.00	1.00	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	93	6841	1.00	1.02	
67 Dibromomethane	174	8.098	8.098	0.000	95	6007	1.00	1.05	
68 1,4-Dioxane	88	8.110	8.110	0.000	48	3294	20.0	19.7	
70 Dichlorobromomethane	83	8.264	8.276	-0.012	98	9260	1.00	0.9861	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	95	8574	2.00	1.81	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	10847	1.00	0.9696	
74 4-Methyl-2-pentanone (MIBK)	43	8.940	8.928	0.012	95	18934	2.00	2.30	
75 Toluene	91	9.047	9.047	0.000	98	33922	1.00	1.01	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	88	9440	1.00	0.9515	
77 Ethyl methacrylate	69	9.415	9.402	0.013	87	8257	1.00	0.8842	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	91	6695	1.00	0.9826	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	9733	1.00	1.01	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	89	11022	1.00	0.9625	
82 2-Hexanone	43	9.770	9.758	0.012	94	11856	2.00	1.94	
84 Chlorodibromomethane	129	9.877	9.877	0.000	88	7477	1.00	0.9461	
85 Ethylene Dibromide	107	9.984	9.984	0.000	97	6948	1.00	0.9276	
87 Chlorobenzene	112	10.411	10.410	0.001	97	22706	1.00	1.01	
88 Ethylbenzene	106	10.482	10.482	0.000	98	12453	1.00	1.00	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.493	0.001	93	7416	1.00	0.9778	
90 m-Xylene & p-Xylene	106	10.589	10.588	0.001	99	15255	1.00	1.01	
92 o-Xylene	106	10.944	10.944	0.000	94	15365	1.00	1.05	
93 Styrene	104	10.968	10.968	0.000	94	22884	1.00	0.9721	
94 Bromoform	173	11.146	11.146	0.000	97	5396	1.00	0.9043	
95 Isopropylbenzene	105	11.253	11.252	0.001	95	35314	1.00	1.00	
97 Bromobenzene	156	11.537	11.537	0.000	88	9758	1.00	0.9876	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	96	10355	1.00	0.9837	
99 N-Propylbenzene	120	11.597	11.596	0.000	99	10885	1.00	0.9829	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	87	3823	1.00	1.03	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	78	2948	1.00	0.9740	
102 2-Chlorotoluene	126	11.691	11.691	0.000	98	9649	1.00	1.02	
103 1,3,5-Trimethylbenzene	105	11.751	11.750	0.001	95	30513	1.00	0.9767	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	9345	1.00	0.9594	
105 tert-Butylbenzene	119	12.000	12.000	0.000	92	28377	1.00	0.9852	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	31120	1.00	0.9755	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.189	12.189	0.000	94	39749	1.00	0.9715	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	34339	1.00	0.9597	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	96	17800	1.00	0.9529	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	92	19053	1.00	1.01	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	28527	1.00	0.9592	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	17374	1.00	0.99	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	90	3323	1.00	0.9787	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	93	10359	1.00	0.9385	
119 Hexachlorobutadiene	225	14.051	14.039	0.012	96	4993	1.00	1.00	
121 Naphthalene	128	14.158	14.158	0.000	97	31144	1.00	0.9162	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	96	9960	1.00	0.9586	
S 127 Trihalomethanes, Total	1				0		4.00	3.90	
S 126 Total BTEX	1				0		5.00	5.10	
S 128 1,2-Dichloroethene, Total	96				0			2.08	
S 129 1,3-Dichloropropene, Total	75				0			1.92	
S 130 Xylenes, Total	106				0		2.00	2.06	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00604	Amount Added:	0.80	Units: uL	
VMRPRIMW_00647	Amount Added:	0.80	Units: uL	
VMRGAS_00588	Amount Added:	0.80	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Jul-2025 09:28:11 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-003.D

Injection Date: 21-Jul-2025 12:37:26 Instrument ID: A3UX22 Operator ID:

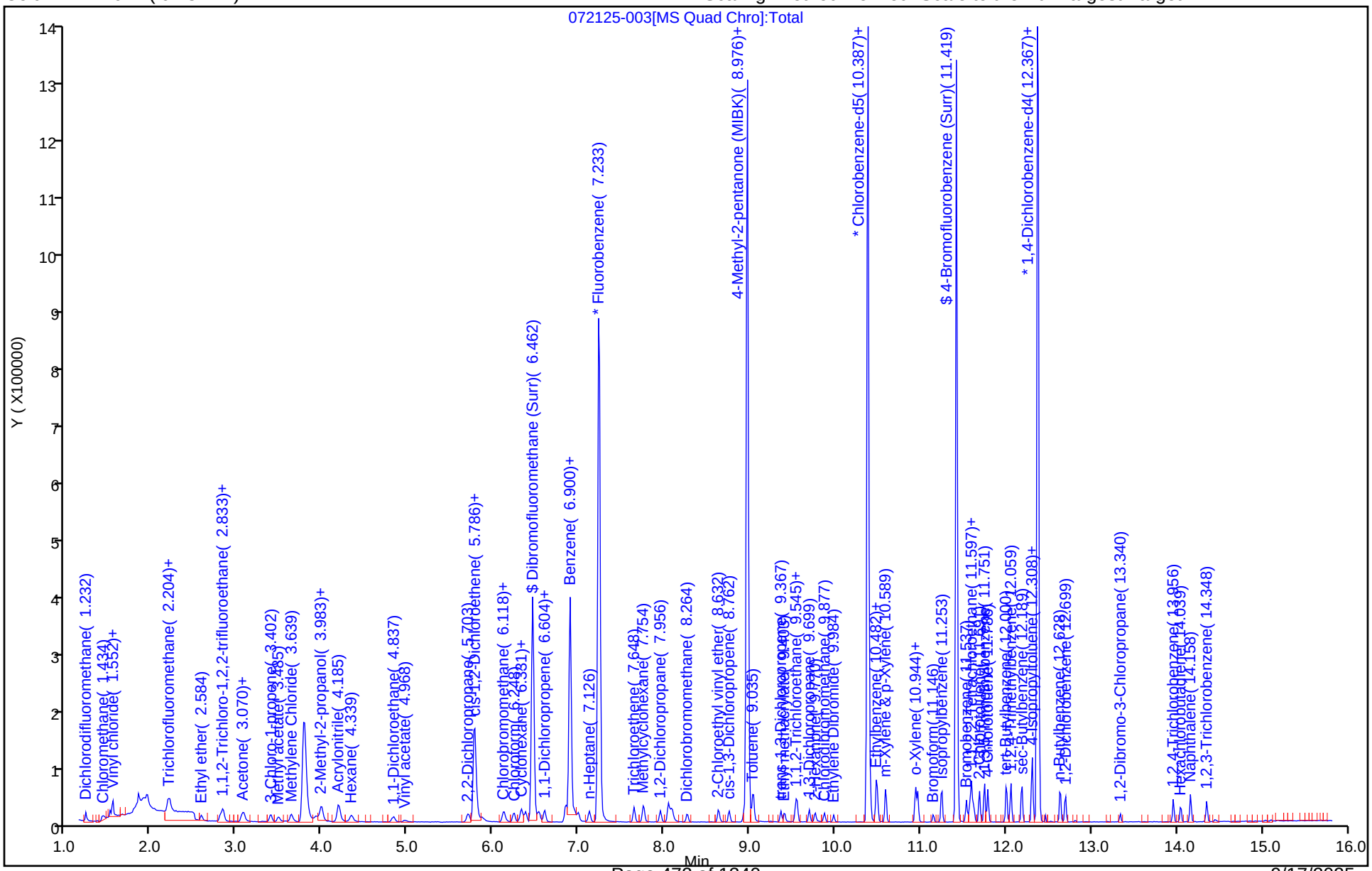
Lims ID: IC Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-004.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Jul-2025 13:00:56 ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 240-0157172-006
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:16 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 13:42:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.232	0.001	99	922525	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	84	751481	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	96	452039	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	266001	25.0	26.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.900	0.000	0	287961	25.0	26.2	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	897041	25.0	25.0	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.418	0.001	91	379539	25.0	25.2	
9 Dichlorodifluoromethane	85	1.220	1.232	-0.012	99	27258	2.50	2.54	
10 Chloromethane	50	1.422	1.422	0.000	98	22340	2.50	2.47	
12 Vinyl chloride	62	1.517	1.516	0.001	97	22846	2.50	2.52	
13 Butadiene	54	1.540	1.552	-0.012	88	23415	2.50	2.63	
14 Bromomethane	94	1.849	1.849	0.001	95	14251	2.50	1.96	
15 Chloroethane	64	1.944	1.943	0.001	95	12515	2.50	2.10	
16 Trichlorofluoromethane	101	2.181	2.181	0.000	97	38424	2.50	2.61	
18 Dichlorofluoromethane	67	2.204	2.216	-0.012	97	52738	2.50	2.81	
19 Ethyl ether	59	2.584	2.584	0.000	88	13272	2.50	2.48	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.809	2.809	0.000	92	18385	2.50	2.60	
22 Acrolein	56	2.833	2.833	0.000	45	7429	12.5	12.2	
23 1,1-Dichloroethene	96	2.833	2.833	0.000	97	18228	2.50	2.65	
26 Iodomethane	142	3.046	3.058	-0.012	78	12243	2.50	2.67	
25 Acetone	43	3.046	3.058	-0.012	99	17088	5.00	5.40	
27 Carbon disulfide	76	3.070	3.082	-0.012	100	52899	2.50	2.59	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	85	23297	2.50	2.61	
29 Methyl acetate	43	3.473	3.485	-0.012	96	33322	5.00	4.73	
31 Methylene Chloride	84	3.627	3.639	-0.012	90	20515	2.50	2.49	
32 2-Methyl-2-propanol	59	3.924	3.936	-0.012	98	35139	25.0	23.5	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	91	47253	2.50	2.43	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	82	21112	2.50	2.62	
35 Acrylonitrile	53	4.185	4.185	0.000	98	86946	25.0	24.9	
36 Hexane	57	4.339	4.339	0.000	90	22703	2.50	2.49	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	32900	2.50	2.56	
40 Vinyl acetate	43	4.968	4.967	0.001	97	18490	2.50	2.25	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	91	5745	2.50	2.56	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	78	22734	2.50	2.57	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	97	6223	5.00	4.67	
48 Chlorobromomethane	49	6.106	6.118	-0.012	85	13743	2.50	2.62	
49 Tetrahydrofuran	42	6.130	6.118	0.012	82	16226	5.00	5.19	
51 Chloroform	83	6.236	6.248	-0.012	95	36321	2.50	2.62	
52 Cyclohexane	84	6.331	6.331	0.000	87	32085	2.50	2.70	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	98	32692	2.50	2.61	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	29327	2.50	2.62	
55 1,1-Dichloropropene	75	6.604	6.604	0.000	97	27470	2.50	2.55	
56 Benzene	78	6.853	6.853	0.000	95	76070	2.50	2.54	
57 Isobutyl alcohol	41	6.948	6.948	0.000	92	22314	62.5	58.0	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	25507	2.50	2.53	
60 n-Heptane	100	7.126	7.126	0.000	84	5375	2.50	2.52	
61 Trichloroethene	130	7.648	7.647	0.001	96	23299	2.50	2.50	
63 Methylcyclohexane	83	7.754	7.754	0.000	87	33734	2.50	2.57	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	94	17621	2.50	2.51	
67 Dibromomethane	174	8.086	8.098	-0.012	92	15484	2.50	2.59	
68 1,4-Dioxane	88	8.110	8.110	0.000	90	8281	50.0	47.5	
70 Dichlorobromomethane	83	8.264	8.276	-0.012	98	24811	2.50	2.54	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	92	23830	5.00	4.83	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	94	28582	2.50	2.45	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	94	39970	5.00	4.67	
75 Toluene	91	9.035	9.047	-0.012	98	87902	2.50	2.54	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	92	23745	2.50	2.31	
77 Ethyl methacrylate	69	9.403	9.402	0.001	87	22247	2.50	2.30	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	91	16973	2.50	2.40	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	24858	2.50	2.49	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	28678	2.50	2.42	
82 2-Hexanone	43	9.758	9.758	0.000	94	29355	5.00	4.65	
84 Chlorodibromomethane	129	9.877	9.877	0.000	90	19671	2.50	2.40	
85 Ethylene Dibromide	107	9.984	9.984	0.000	99	18235	2.50	2.35	
87 Chlorobenzene	112	10.411	10.410	0.001	96	58948	2.50	2.52	
88 Ethylbenzene	106	10.482	10.482	0.000	98	33251	2.50	2.59	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.493	0.001	94	17898	2.50	2.28	
90 m-Xylene & p-Xylene	106	10.589	10.588	0.001	99	39168	2.50	2.50	
92 o-Xylene	106	10.944	10.944	0.000	97	36812	2.50	2.43	
93 Styrene	104	10.968	10.968	0.000	94	59327	2.50	2.43	
94 Bromoform	173	11.146	11.146	0.000	97	14089	2.50	2.28	
95 Isopropylbenzene	105	11.253	11.252	0.001	95	92375	2.50	2.53	
97 Bromobenzene	156	11.537	11.537	0.000	88	24984	2.50	2.44	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	26322	2.50	2.42	
99 N-Propylbenzene	120	11.597	11.596	0.000	99	28360	2.50	2.48	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	86	9082	2.50	2.35	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	77	7371	2.50	2.35	
102 2-Chlorotoluene	126	11.691	11.691	0.000	97	23887	2.50	2.44	
103 1,3,5-Trimethylbenzene	105	11.751	11.750	0.001	95	79193	2.50	2.45	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	25160	2.50	2.50	
105 tert-Butylbenzene	119	12.000	12.000	0.000	92	74029	2.50	2.48	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	81191	2.50	2.46	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.189	12.189	0.000	94	105213	2.50	2.49	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	97	48422	2.50	2.51	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	89819	2.50	2.43	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	95	47495	2.50	2.44	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	74131	2.50	2.41	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	98	45414	2.50	2.50	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	88	8433	2.50	2.40	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	95	26858	2.50	2.35	
119 Hexachlorobutadiene	225	14.051	14.039	0.012	98	13178	2.50	2.55	
121 Naphthalene	128	14.158	14.158	0.000	97	83026	2.50	2.36	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	96	25522	2.50	2.37	
S 127 Trihalomethanes, Total	1				0		10.0	9.84	
S 126 Total BTEX	1				0		12.5	12.6	
S 128 1,2-Dichloroethene, Total	96				0			5.19	
S 129 1,3-Dichloropropene, Total	75				0			4.76	
S 130 Xylenes, Total	106				0		5.00	4.93	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00588	Amount Added:	2.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	2.00	Units: uL	
VMRPRIMW_00647	Amount Added:	2.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Jul-2025 09:28:17 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-004.D

Injection Date: 21-Jul-2025 13:00:56 Instrument ID: A3UX22 Operator ID:

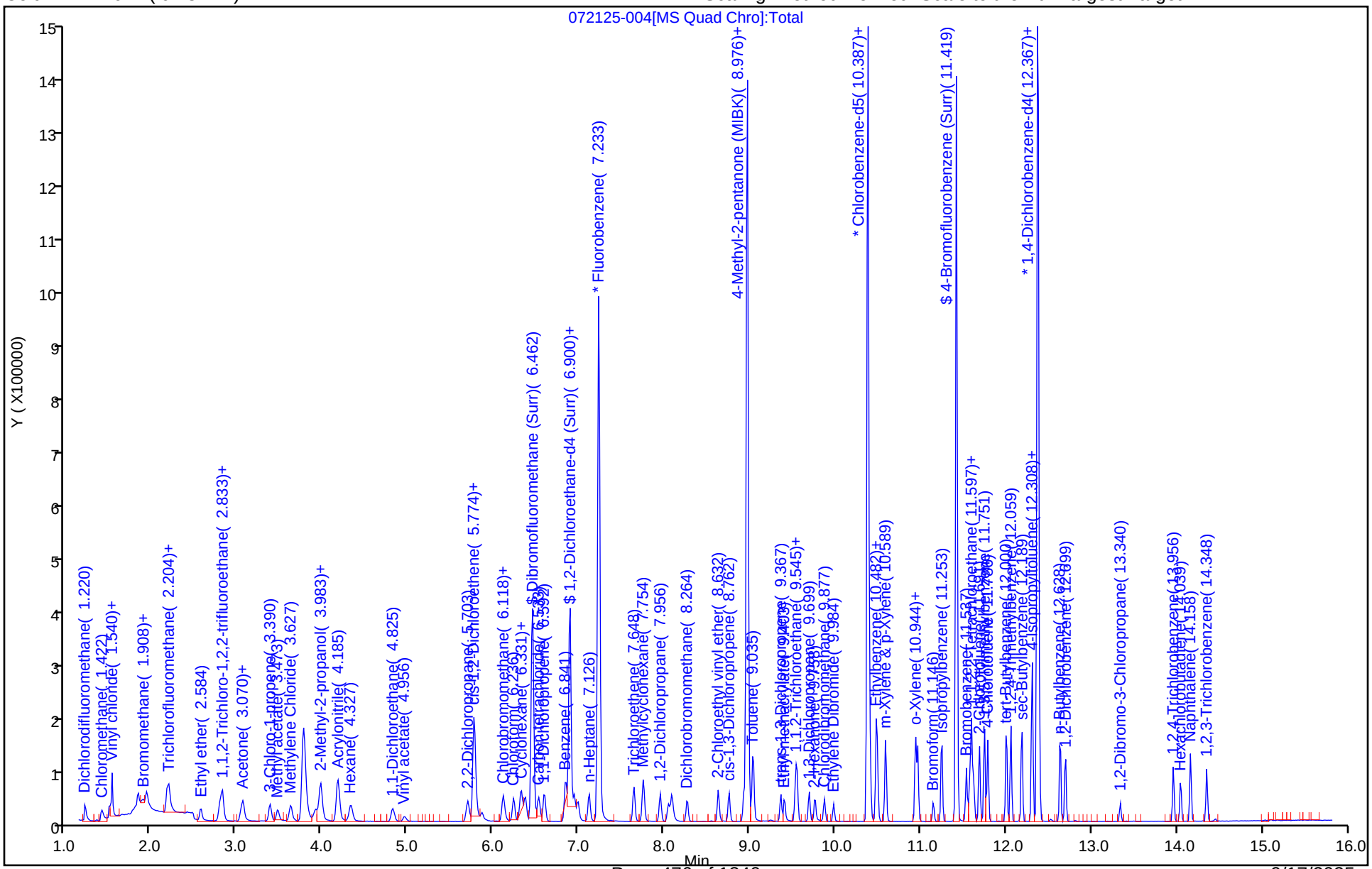
Lims ID: IC Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-005.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Jul-2025 13:24:25 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 240-0157172-007
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:22 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 14:07:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.232	0.001	99	906503	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	84	731076	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	95	433218	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	255074	25.0	25.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.900	0.000	0	273811	25.0	25.3	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	873446	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.418	0.001	91	365562	25.0	25.0	
9 Dichlorodifluoromethane	85	1.232	1.232	0.000	99	69661	6.25	6.60	
10 Chloromethane	50	1.422	1.422	0.000	99	54474	6.25	6.13	
12 Vinyl chloride	62	1.517	1.516	0.001	98	57063	6.25	6.40	
13 Butadiene	54	1.540	1.552	-0.012	90	58380	6.25	6.67	
14 Bromomethane	94	1.849	1.849	0.001	90	24624	6.25	5.68	
15 Chloroethane	64	1.944	1.943	0.001	98	30021	6.25	6.63	
16 Trichlorofluoromethane	101	2.193	2.181	0.012	98	96876	6.25	6.71	
18 Dichlorofluoromethane	67	2.216	2.216	0.000	97	119087	6.25	6.46	
19 Ethyl ether	59	2.584	2.584	0.000	89	32815	6.25	6.25	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.809	2.809	0.000	91	47105	6.25	6.79	
22 Acrolein	56	2.833	2.833	0.000	99	20112	31.3	33.6	
23 1,1-Dichloroethene	96	2.833	2.833	0.000	98	44729	6.25	6.62	
26 Iodomethane	142	3.058	3.058	0.000	72	24688	6.25	6.15	
25 Acetone	43	3.058	3.058	0.000	100	39066	12.5	12.6	
27 Carbon disulfide	76	3.082	3.082	0.000	100	130816	6.25	6.52	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	86	57903	6.25	6.59	
29 Methyl acetate	43	3.485	3.485	0.000	96	82299	12.5	11.9	
31 Methylene Chloride	84	3.639	3.639	0.000	88	49496	6.25	6.11	
32 2-Methyl-2-propanol	59	3.924	3.936	-0.012	98	89390	62.5	61.0	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	91	121171	6.25	6.35	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	78	51767	6.25	6.54	
35 Acrylonitrile	53	4.185	4.185	0.000	98	216987	62.5	63.4	
36 Hexane	57	4.339	4.339	0.000	89	59372	6.25	6.63	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	95	81042	6.25	6.41	
40 Vinyl acetate	43	4.968	4.967	0.001	97	51222	6.25	6.34	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	89	13995	6.25	6.34	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	77	56759	6.25	6.53	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	99	15940	12.5	12.2	
48 Chlorobromomethane	49	6.106	6.118	-0.012	89	34874	6.25	6.76	
49 Tetrahydrofuran	42	6.118	6.118	0.000	83	37634	12.5	12.3	
51 Chloroform	83	6.236	6.248	-0.012	93	89199	6.25	6.55	
52 Cyclohexane	84	6.331	6.331	0.000	87	79184	6.25	6.78	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	98	79738	6.25	6.49	
54 Carbon tetrachloride	117	6.533	6.533	0.000	98	73234	6.25	6.65	
55 1,1-Dichloropropene	75	6.604	6.604	0.000	97	68867	6.25	6.51	
56 Benzene	78	6.853	6.853	0.000	94	188789	6.25	6.41	
57 Isobutyl alcohol	41	6.948	6.948	0.000	91	56658	156.3	149.9	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	64661	6.25	6.53	
60 n-Heptane	100	7.126	7.126	0.000	86	14145	6.25	6.74	
61 Trichloroethene	130	7.648	7.647	0.001	96	57937	6.25	6.32	
63 Methylcyclohexane	83	7.754	7.754	0.000	86	85240	6.25	6.61	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	94	44693	6.25	6.49	
67 Dibromomethane	174	8.086	8.098	-0.012	94	37792	6.25	6.44	
68 1,4-Dioxane	88	8.110	8.110	0.000	90	22544	125.0	131.6	
70 Dichlorobromomethane	83	8.276	8.276	0.000	99	61728	6.25	6.43	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	93	60476	12.5	12.5	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	95	71425	6.25	6.24	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	95	96311	12.5	11.5	
75 Toluene	91	9.047	9.047	0.000	98	214320	6.25	6.36	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	93	61088	6.25	6.11	
77 Ethyl methacrylate	69	9.403	9.402	0.001	86	56910	6.25	6.05	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	94	43221	6.25	6.29	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	62603	6.25	6.45	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	73188	6.25	6.34	
82 2-Hexanone	43	9.758	9.758	0.000	94	75002	12.5	12.2	
84 Chlorodibromomethane	129	9.877	9.877	0.000	90	49400	6.25	6.20	
85 Ethylene Dibromide	107	9.984	9.984	0.000	98	47084	6.25	6.24	
87 Chlorobenzene	112	10.411	10.410	0.001	98	145070	6.25	6.38	
88 Ethylbenzene	106	10.482	10.482	0.000	98	79877	6.25	6.40	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.493	0.001	95	46992	6.25	6.15	
90 m-Xylene & p-Xylene	106	10.589	10.588	0.001	100	97267	6.25	6.37	
92 o-Xylene	106	10.944	10.944	0.000	96	91892	6.25	6.24	
93 Styrene	104	10.968	10.968	0.000	94	151663	6.25	6.39	
94 Bromoform	173	11.146	11.146	0.000	97	36105	6.25	6.00	
95 Isopropylbenzene	105	11.253	11.252	0.001	95	229188	6.25	6.44	
97 Bromobenzene	156	11.537	11.537	0.000	89	64133	6.25	6.55	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	65947	6.25	6.32	
99 N-Propylbenzene	120	11.597	11.596	0.000	99	71303	6.25	6.49	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	85	23788	6.25	6.44	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	79	18498	6.25	6.16	
102 2-Chlorotoluene	126	11.691	11.691	0.000	97	61189	6.25	6.52	
103 1,3,5-Trimethylbenzene	105	11.751	11.750	0.001	95	201394	6.25	6.50	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	63836	6.25	6.61	
105 tert-Butylbenzene	119	12.000	12.000	0.000	92	186994	6.25	6.55	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	206504	6.25	6.53	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.189	12.189	0.000	93	268258	6.25	6.61	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	235858	6.25	6.65	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	98	120310	6.25	6.50	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	96	122618	6.25	6.58	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	192383	6.25	6.52	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	111353	6.25	6.40	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	88	20296	6.25	6.03	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	94	72595	6.25	6.63	
119 Hexachlorobutadiene	225	14.051	14.039	0.012	98	31776	6.25	6.41	
121 Naphthalene	128	14.158	14.158	0.000	97	215291	6.25	6.39	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	95	64981	6.25	6.31	
S 127 Trihalomethanes, Total	1				0		25.0	25.2	
S 126 Total BTEX	1				0		31.3	31.8	
S 128 1,2-Dichloroethene, Total	96				0			13.1	
S 129 1,3-Dichloropropene, Total	75				0			12.4	
S 130 Xylenes, Total	106				0		12.5	12.6	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00647	Amount Added:	5.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	5.00	Units: uL	
VMRGAS_00588	Amount Added:	5.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Jul-2025 09:28:23 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-005.D

Injection Date: 21-Jul-2025 13:24:25 Instrument ID: A3UX22 Operator ID:

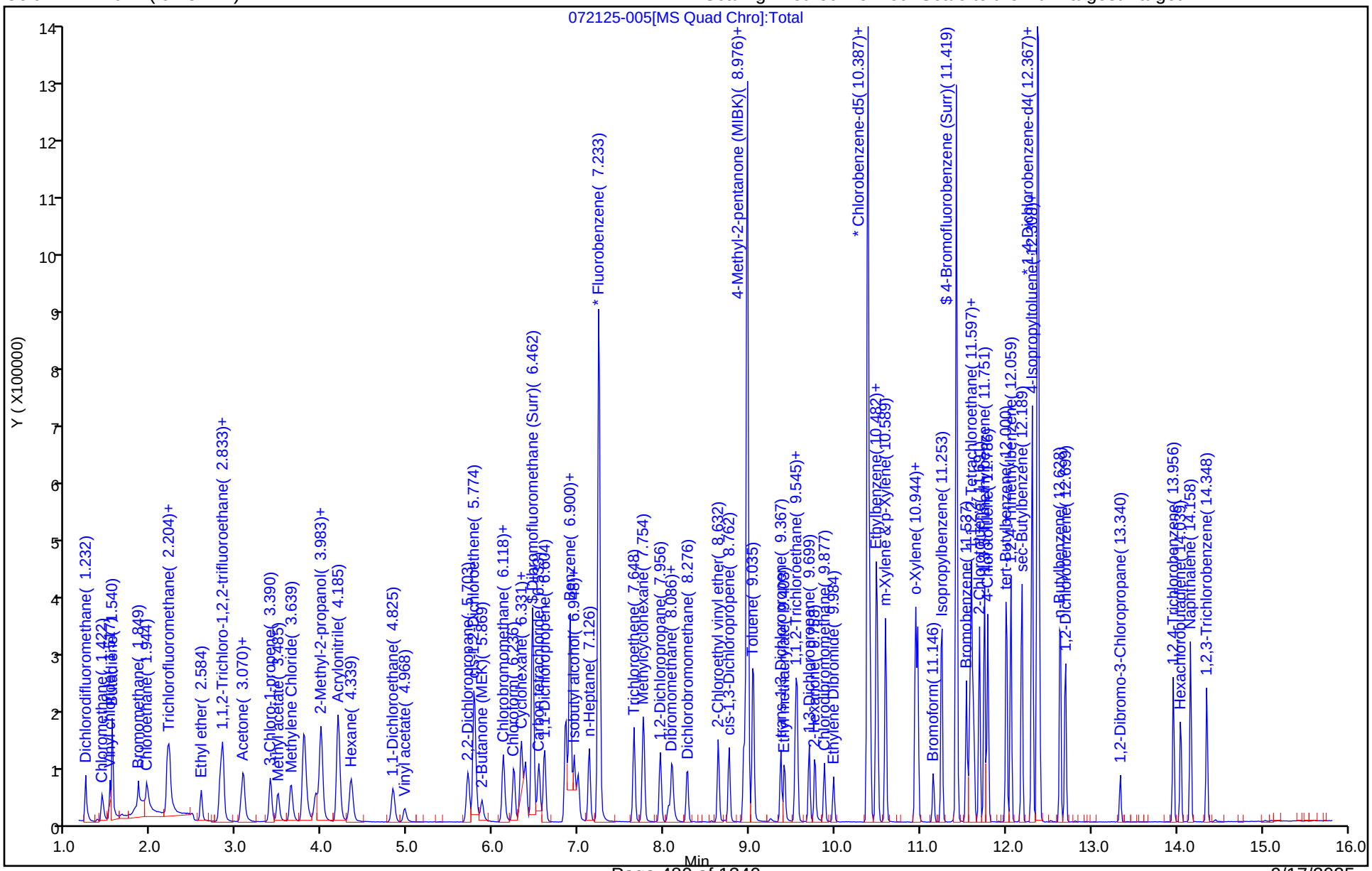
Lims ID: IC Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-006.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Jul-2025 13:47:52 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 240-0157172-008
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:28 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 15:20:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.232	0.001	99	929872	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	84	745909	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	95	446679	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	254164	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.901	6.900	0.001	0	274136	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	874652	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.418	0.001	91	363586	25.0	24.4	
9 Dichlorodifluoromethane	85	1.232	1.232	0.000	99	137796	12.5	12.7	
10 Chloromethane	50	1.422	1.422	0.000	99	107128	12.5	11.7	
12 Vinyl chloride	62	1.517	1.516	0.001	98	113900	12.5	12.5	
13 Butadiene	54	1.552	1.552	0.000	88	112820	12.5	12.6	
14 Bromomethane	94	1.849	1.849	0.001	91	40884	12.5	11.0	
15 Chloroethane	64	1.944	1.943	0.001	99	55902	12.5	13.2	
16 Trichlorofluoromethane	101	2.193	2.181	0.012	99	190150	12.5	12.8	
18 Dichlorofluoromethane	67	2.216	2.216	0.000	97	230161	12.5	12.2	
19 Ethyl ether	59	2.584	2.584	0.000	88	64614	12.5	12.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.809	2.809	0.000	93	88595	12.5	12.4	
22 Acrolein	56	2.833	2.833	0.000	97	36580	62.5	59.6	
23 1,1-Dichloroethene	96	2.845	2.833	0.012	98	87213	12.5	12.6	
26 Iodomethane	142	3.058	3.058	0.000	99	50350	12.5	12.1	
25 Acetone	43	3.058	3.058	0.000	100	74296	25.0	23.3	
27 Carbon disulfide	76	3.082	3.082	0.000	100	254583	12.5	12.4	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	87	117282	12.5	13.0	
29 Methyl acetate	43	3.485	3.485	0.000	97	166462	25.0	23.5	
31 Methylene Chloride	84	3.639	3.639	0.000	88	95786	12.5	11.5	
32 2-Methyl-2-propanol	59	3.936	3.936	0.000	99	183880	125.0	122.2	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	91	242796	12.5	12.4	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	77	101571	12.5	12.5	
35 Acrylonitrile	53	4.185	4.185	0.000	98	435536	125.0	124.0	
36 Hexane	57	4.339	4.339	0.000	91	111677	12.5	12.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	160956	12.5	12.4	
40 Vinyl acetate	43	4.968	4.967	0.001	97	110176	12.5	13.3	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	90	28147	12.5	12.4	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	87	110356	12.5	12.4	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	98	32089	25.0	23.9	
48 Chlorobromomethane	49	6.118	6.118	0.000	89	66550	12.5	12.6	
49 Tetrahydrofuran	42	6.118	6.118	0.000	83	74834	25.0	23.8	
51 Chloroform	83	6.237	6.248	-0.012	93	175076	12.5	12.5	
52 Cyclohexane	84	6.331	6.331	0.000	87	151783	12.5	12.7	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	98	160928	12.5	12.8	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	143752	12.5	12.7	
55 1,1-Dichloropropene	75	6.604	6.604	0.000	97	139007	12.5	12.8	
56 Benzene	78	6.853	6.853	0.000	95	382110	12.5	12.6	
57 Isobutyl alcohol	41	6.948	6.948	0.000	92	119817	312.5	309.0	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	124653	12.5	12.3	
60 n-Heptane	100	7.126	7.126	0.000	85	26967	12.5	12.5	
61 Trichloroethene	130	7.648	7.647	0.001	96	117630	12.5	12.5	
63 Methylcyclohexane	83	7.754	7.754	0.000	87	164904	12.5	12.5	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	94	87909	12.5	12.4	
67 Dibromomethane	174	8.098	8.098	0.000	92	75494	12.5	12.5	
68 1,4-Dioxane	88	8.110	8.110	0.000	89	44246	250.0	251.8	
70 Dichlorobromomethane	83	8.276	8.276	0.000	99	124931	12.5	12.7	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	93	123374	25.0	24.8	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	145165	12.5	12.4	
74 4-Methyl-2-pentanone (MIBK)	43	8.940	8.928	0.012	94	197178	25.0	22.9	
75 Toluene	91	9.047	9.047	0.000	98	421433	12.5	12.2	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	93	126640	12.5	12.4	
77 Ethyl methacrylate	69	9.403	9.402	0.001	86	117933	12.5	12.3	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	92	87260	12.5	12.5	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	122028	12.5	12.3	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	89	148534	12.5	12.6	
82 2-Hexanone	43	9.759	9.758	0.001	95	160021	25.0	25.5	
84 Chlorodibromomethane	129	9.877	9.877	0.000	90	101189	12.5	12.5	
85 Ethylene Dibromide	107	9.984	9.984	0.000	99	95216	12.5	12.4	
87 Chlorobenzene	112	10.411	10.410	0.001	97	284537	12.5	12.3	
88 Ethylbenzene	106	10.482	10.482	0.000	98	155892	12.5	12.2	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.493	0.001	95	97046	12.5	12.4	
90 m-Xylene & p-Xylene	106	10.589	10.588	0.001	100	194325	12.5	12.5	
92 o-Xylene	106	10.944	10.944	0.000	96	185892	12.5	12.4	
93 Styrene	104	10.968	10.968	0.000	94	299460	12.5	12.4	
94 Bromoform	173	11.146	11.146	0.000	97	75471	12.5	12.3	
95 Isopropylbenzene	105	11.253	11.252	0.001	95	452068	12.5	12.5	
97 Bromobenzene	156	11.537	11.537	0.000	88	122977	12.5	12.2	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	133602	12.5	12.4	
99 N-Propylbenzene	120	11.597	11.596	0.001	99	139830	12.5	12.4	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	86	47659	12.5	12.5	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	79	37865	12.5	12.2	
102 2-Chlorotoluene	126	11.691	11.691	0.000	97	120780	12.5	12.5	
103 1,3,5-Trimethylbenzene	105	11.751	11.750	0.001	94	400557	12.5	12.5	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	124087	12.5	12.5	
105 tert-Butylbenzene	119	12.012	12.000	0.012	92	365186	12.5	12.4	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	406811	12.5	12.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.190	12.189	0.001	93	521593	12.5	12.5	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	98	238414	12.5	12.5	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	457134	12.5	12.5	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	96	233832	12.5	12.2	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	379651	12.5	12.5	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	220787	12.5	12.3	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	91	43678	12.5	12.6	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	94	142537	12.5	12.6	
119 Hexachlorobutadiene	225	14.051	14.039	0.012	97	61917	12.5	12.1	
121 Naphthalene	128	14.158	14.158	0.000	97	436184	12.5	12.6	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	97	134323	12.5	12.6	
S 127 Trihalomethanes, Total	1				0		50.0	50.0	
S 126 Total BTEX	1				0		62.5	62.0	
S 128 1,2-Dichloroethene, Total	96				0			24.9	
S 129 1,3-Dichloropropene, Total	75				0			24.8	
S 130 Xylenes, Total	106				0		25.0	24.8	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00588	Amount Added:	10.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	10.00	Units: uL	
VMRPRIMW_00647	Amount Added:	10.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Jul-2025 09:28:28 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-006.D

Injection Date: 21-Jul-2025 13:47:52 Instrument ID: A3UX22 Operator ID:

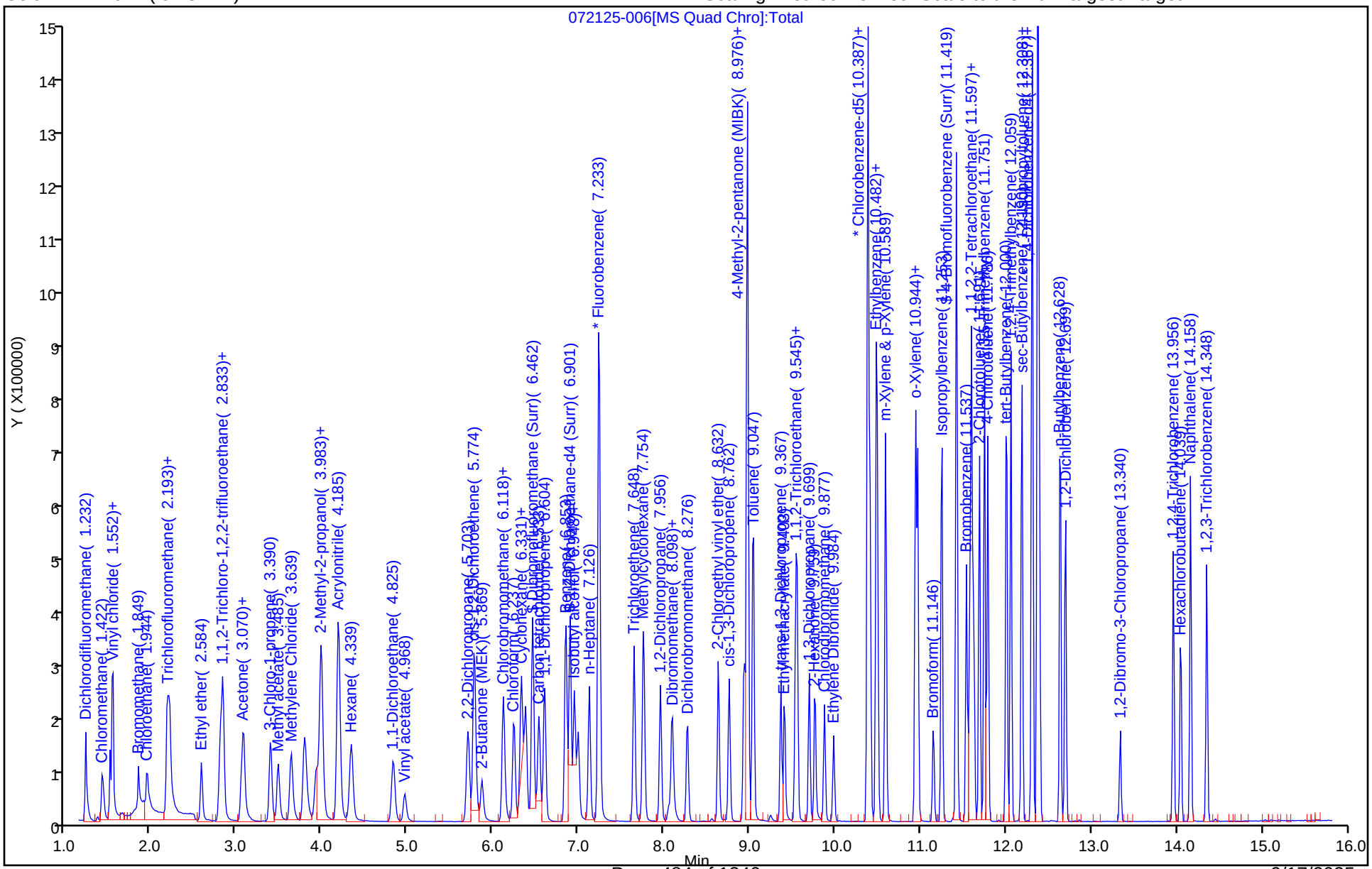
Lims ID: IC Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-007.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 21-Jul-2025 14:11:23 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icis
Misc. Info.: 240-0157172-009
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:34 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 15:21:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.232	7.232	0.000	99	945881	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	84	741056	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	96	445548	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	254962	25.0	24.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.900	0.000	0	272327	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	877759	25.0	24.8	
$ 7 4-Bromofluorobenzene (Surr)	95	11.418	11.418	0.000	91	368831	25.0	24.9	
9 Dichlorodifluoromethane	85	1.232	1.232	0.000	99	269683	25.0	24.5	
10 Chloromethane	50	1.422	1.422	0.000	98	204841	25.0	22.1	
12 Vinyl chloride	62	1.516	1.516	0.000	98	222219	25.0	23.9	
13 Butadiene	54	1.552	1.552	0.000	89	218262	25.0	23.9	
14 Bromomethane	94	1.849	1.849	0.000	90	77999	25.0	23.2	
15 Chloroethane	64	1.943	1.943	0.000	99	100238	25.0	25.4	
16 Trichlorofluoromethane	101	2.181	2.181	0.000	98	367388	25.0	24.4	
18 Dichlorofluoromethane	67	2.216	2.216	0.000	97	447789	25.0	23.3	
19 Ethyl ether	59	2.584	2.584	0.000	88	129297	25.0	23.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.809	2.809	0.000	92	182450	25.0	25.2	
22 Acrolein	56	2.833	2.833	0.000	46	74462	125.0	119.2	
23 1,1-Dichloroethene	96	2.833	2.833	0.000	98	170454	25.0	24.2	
26 Iodomethane	142	3.058	3.058	0.000	98	114167	25.0	24.3	
25 Acetone	43	3.058	3.058	0.000	100	151320	50.0	46.6	
27 Carbon disulfide	76	3.082	3.082	0.000	99	498220	25.0	23.8	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	87	224250	25.0	24.5	
29 Methyl acetate	43	3.485	3.485	0.000	96	341719	50.0	47.3	
31 Methylene Chloride	84	3.639	3.639	0.000	87	189920	25.0	22.5	
32 2-Methyl-2-propanol	59	3.936	3.936	0.000	98	372208	250.0	243.2	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	91	501948	25.0	25.2	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	75	202089	25.0	24.5	
35 Acrylonitrile	53	4.185	4.185	0.000	98	885087	250.0	247.7	
36 Hexane	57	4.339	4.339	0.000	90	241007	25.0	25.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	321096	25.0	24.3	
40 Vinyl acetate	43	4.967	4.967	0.000	97	225640	25.0	26.8	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	89	57033	25.0	24.8	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	78	221225	25.0	24.4	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	99	66738	50.0	48.8	
48 Chlorobromomethane	49	6.118	6.118	0.000	88	129521	25.0	24.1	
49 Tetrahydrofuran	42	6.118	6.118	0.000	83	147962	50.0	46.2	
51 Chloroform	83	6.248	6.248	0.000	93	347693	25.0	24.5	
52 Cyclohexane	84	6.331	6.331	0.000	87	307878	25.0	25.3	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	98	318364	25.0	24.8	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	284208	25.0	24.7	
55 1,1-Dichloropropene	75	6.604	6.604	0.000	97	273945	25.0	24.8	
56 Benzene	78	6.853	6.853	0.000	95	754193	25.0	24.5	
57 Isobutyl alcohol	41	6.948	6.948	0.000	92	255044	625.0	646.6	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	254965	25.0	24.7	
60 n-Heptane	100	7.126	7.126	0.000	85	57696	25.0	26.3	
61 Trichloroethene	130	7.647	7.647	0.000	97	236715	25.0	24.7	
63 Methylcyclohexane	83	7.754	7.754	0.000	86	345820	25.0	25.7	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	94	180518	25.0	25.1	
67 Dibromomethane	174	8.098	8.098	0.000	92	152380	25.0	24.9	
68 1,4-Dioxane	88	8.110	8.110	0.000	90	91249	500.0	510.4	
70 Dichlorobromomethane	83	8.276	8.276	0.000	99	252226	25.0	25.2	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	93	261454	50.0	51.7	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	303864	25.0	25.4	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	95	413132	50.0	47.1	
75 Toluene	91	9.047	9.047	0.000	99	841278	25.0	24.6	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	92	269620	25.0	26.6	
77 Ethyl methacrylate	69	9.402	9.402	0.000	87	250444	25.0	26.3	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	93	180841	25.0	26.0	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	244458	25.0	24.9	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	302720	25.0	25.9	
82 2-Hexanone	43	9.758	9.758	0.000	96	325926	50.0	52.3	
84 Chlorodibromomethane	129	9.877	9.877	0.000	90	210333	25.0	26.0	
85 Ethylene Dibromide	107	9.984	9.984	0.000	99	199347	25.0	26.0	
87 Chlorobenzene	112	10.410	10.410	0.000	96	570165	25.0	24.7	
88 Ethylbenzene	106	10.482	10.482	0.000	98	314519	25.0	24.8	
89 1,1,1,2-Tetrachloroethane	131	10.493	10.493	0.000	96	201236	25.0	26.0	
90 m-Xylene & p-Xylene	106	10.588	10.588	0.000	100	384057	25.0	24.8	
92 o-Xylene	106	10.944	10.944	0.000	96	372307	25.0	24.9	
93 Styrene	104	10.968	10.968	0.000	94	621403	25.0	25.8	
94 Bromoform	173	11.146	11.146	0.000	97	160629	25.0	26.3	
95 Isopropylbenzene	105	11.252	11.252	0.000	95	898197	25.0	24.9	
97 Bromobenzene	156	11.537	11.537	0.000	88	251006	25.0	24.9	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	276382	25.0	25.7	
99 N-Propylbenzene	120	11.596	11.596	0.000	99	287631	25.0	25.5	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	85	97930	25.0	25.8	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	79	80580	25.0	26.1	
102 2-Chlorotoluene	126	11.691	11.691	0.000	98	245085	25.0	25.4	
103 1,3,5-Trimethylbenzene	105	11.750	11.750	0.000	95	800812	25.0	25.1	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	250151	25.0	25.2	
105 tert-Butylbenzene	119	12.000	12.000	0.000	92	732516	25.0	24.9	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	819461	25.0	25.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.189	12.189	0.000	93	1044131	25.0	25.0	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	918465	25.0	25.2	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	98	479564	25.0	25.2	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	96	475227	25.0	24.8	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	774440	25.0	25.5	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	451416	25.0	25.2	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	91	90967	25.0	26.3	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	94	286230	25.0	25.4	
119 Hexachlorobutadiene	225	14.039	14.039	0.000	98	126792	25.0	24.9	
121 Naphthalene	128	14.158	14.158	0.000	97	890671	25.0	25.7	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	96	266899	25.0	25.2	
S 127 Trihalomethanes, Total	1				0		100.0	102.0	
S 126 Total BTEX	1				0		125.0	123.7	
S 130 Xylenes, Total	106				0		50.0	49.7	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00647	Amount Added: 20.00	Units: uL		
VMAROLISTDW_00604	Amount Added: 20.00	Units: uL		
VMRGAS_00588	Amount Added: 20.00	Units: uL		
vm25UX18SS_00017	Amount Added: 5.00	Units: uL	Run Reagent	
vm40ml_vials_00077	Amount Added: 0.00	Units:	Run Reagent	
vmDist_H2o_00279	Amount Added: 0.00	Units:	Run Reagent	
VMUX11IS_00001	Amount Added: 5.00	Units: uL	Run Reagent	

Report Date: 22-Jul-2025 09:28:34 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-007.D

Injection Date: 21-Jul-2025 14:11:23 Instrument ID: A3UX22 Operator ID:

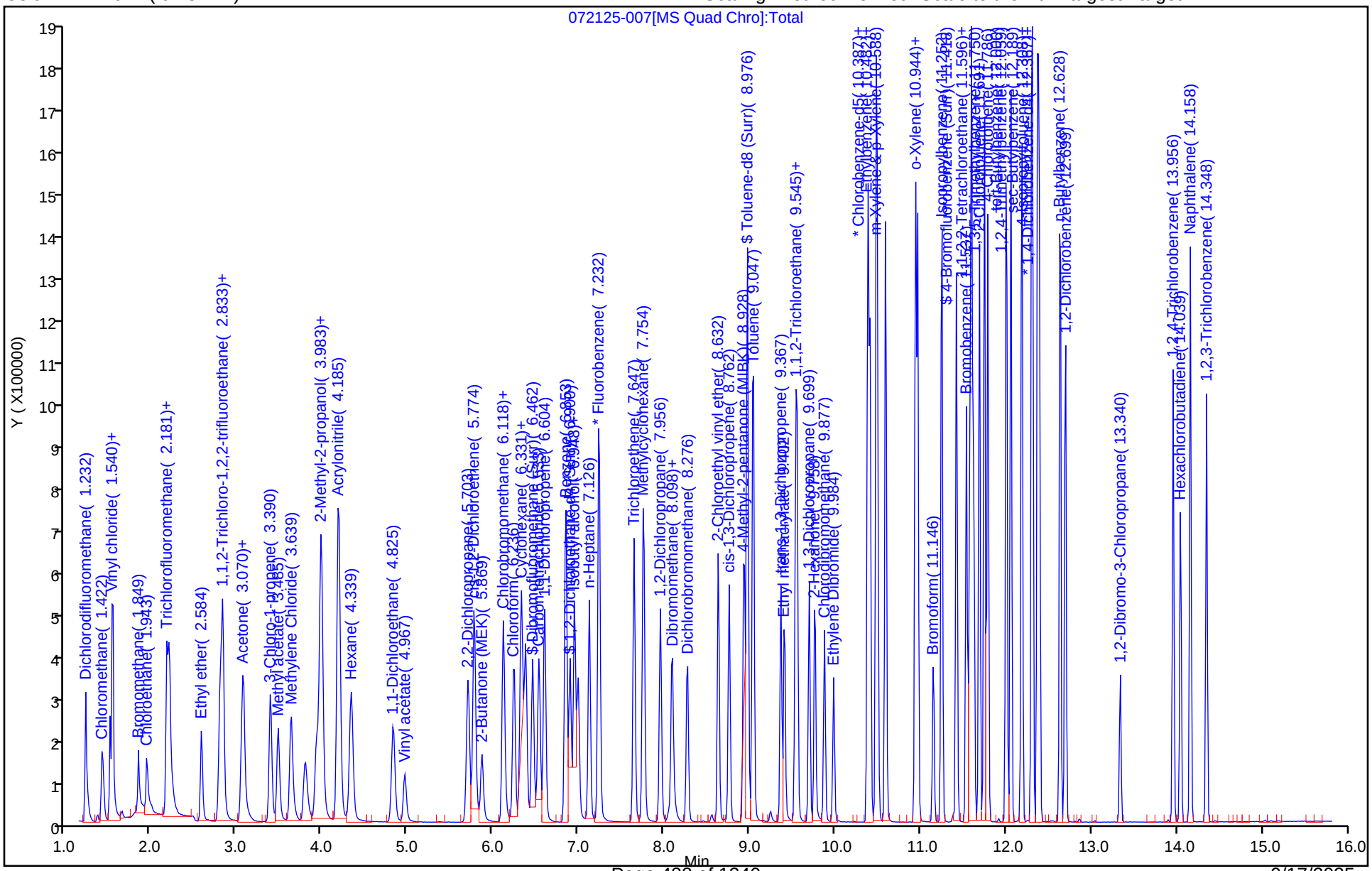
Lims ID: ICIS Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-008.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 21-Jul-2025 14:34:54 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 240-0157172-010
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:37 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 15:21:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.232	0.001	99	939522	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	86	738855	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	94	437920	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	256909	25.0	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.901	6.900	0.001	0	273439	25.0	24.4	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	898472	25.0	25.5	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.418	0.001	91	377853	25.0	25.6	
9 Dichlorodifluoromethane	85	1.232	1.232	0.000	99	409686	37.5	37.4	
10 Chloromethane	50	1.422	1.422	0.000	99	317570	37.5	34.5	
12 Vinyl chloride	62	1.517	1.516	0.001	98	339550	37.5	36.7	
13 Butadiene	54	1.540	1.552	-0.012	90	333324	37.5	36.7	
14 Bromomethane	94	1.849	1.849	0.001	90	125348	37.5	39.4	
15 Chloroethane	64	1.944	1.943	0.001	99	135951	37.5	37.1	
16 Trichlorofluoromethane	101	2.169	2.181	-0.012	98	548617	37.5	36.6	
18 Dichlorofluoromethane	67	2.205	2.216	-0.012	98	671573	37.5	35.2	
19 Ethyl ether	59	2.584	2.584	0.000	88	197295	37.5	36.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.797	2.809	-0.012	92	279932	37.5	38.9	
22 Acrolein	56	2.833	2.833	0.000	45	113616	187.5	183.1	
23 1,1-Dichloroethene	96	2.833	2.833	0.000	97	265442	37.5	37.9	
26 Iodomethane	142	3.046	3.058	-0.012	99	205160	37.5	38.4	
25 Acetone	43	3.058	3.058	0.000	100	230407	75.0	71.5	
27 Carbon disulfide	76	3.070	3.082	-0.012	99	780771	37.5	37.6	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	86	340075	37.5	37.4	
29 Methyl acetate	43	3.485	3.485	0.000	96	518256	75.0	72.3	
31 Methylene Chloride	84	3.628	3.639	-0.011	87	291136	37.5	34.7	
32 2-Methyl-2-propanol	59	3.936	3.936	0.000	99	573779	375.0	377.5	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	94	772599	37.5	39.0	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	90	311541	37.5	38.0	
35 Acrylonitrile	53	4.185	4.185	0.000	98	1352246	375.0	381.0	
36 Hexane	57	4.339	4.339	0.000	90	383204	37.5	41.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	495873	37.5	37.9	
40 Vinyl acetate	43	4.968	4.967	0.001	97	353474	37.5	42.2	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	88	88109	37.5	38.5	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	76	338558	37.5	37.6	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	98	107265	75.0	79.0	
48 Chlorobromomethane	49	6.106	6.118	-0.012	88	194085	37.5	36.3	
49 Tetrahydrofuran	42	6.118	6.118	0.000	82	224727	75.0	70.6	
51 Chloroform	83	6.236	6.248	-0.012	93	528597	37.5	37.4	
52 Cyclohexane	84	6.331	6.331	0.000	87	477334	37.5	39.4	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	98	492786	37.5	38.7	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	447504	37.5	39.2	
55 1,1-Dichloropropene	75	6.604	6.604	0.000	97	431779	37.5	39.4	
56 Benzene	78	6.853	6.853	0.000	95	1167610	37.5	38.3	
57 Isobutyl alcohol	41	6.948	6.948	0.000	92	394457	937.5	1006.8	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	379111	37.5	36.9	
60 n-Heptane	100	7.126	7.126	0.000	86	90358	37.5	41.5	
61 Trichloroethene	130	7.648	7.647	0.001	97	368079	37.5	38.7	
63 Methylcyclohexane	83	7.754	7.754	0.000	86	545481	37.5	40.8	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	94	276682	37.5	38.8	
67 Dibromomethane	174	8.098	8.098	0.000	92	231284	37.5	38.0	
68 1,4-Dioxane	88	8.110	8.110	0.000	91	140028	750.0	788.6	
70 Dichlorobromomethane	83	8.264	8.276	-0.012	99	383274	37.5	38.5	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	93	409003	75.0	81.3	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	477183	37.5	40.2	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	95	637130	75.0	73.2	
75 Toluene	91	9.047	9.047	0.000	99	1316598	37.5	38.6	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	91	423170	37.5	41.9	
77 Ethyl methacrylate	69	9.403	9.402	0.001	86	392188	37.5	41.2	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	93	278843	37.5	40.2	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	392887	37.5	40.1	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	462291	37.5	39.6	
82 2-Hexanone	43	9.758	9.758	0.000	95	492711	75.0	79.3	
84 Chlorodibromomethane	129	9.877	9.877	0.000	90	328813	37.5	40.8	
85 Ethylene Dibromide	107	9.984	9.984	0.000	99	308516	37.5	40.4	
87 Chlorobenzene	112	10.411	10.410	0.001	96	890733	37.5	38.8	
88 Ethylbenzene	106	10.482	10.482	0.000	98	494417	37.5	39.2	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.493	0.001	96	317827	37.5	41.1	
90 m-Xylene & p-Xylene	106	10.589	10.588	0.001	100	615723	37.5	39.9	
92 o-Xylene	106	10.944	10.944	0.000	96	587314	37.5	39.4	
93 Styrene	104	10.968	10.968	0.000	94	964494	37.5	40.2	
94 Bromoform	173	11.146	11.146	0.000	98	253684	37.5	41.7	
95 Isopropylbenzene	105	11.253	11.252	0.001	95	1433273	37.5	39.9	
97 Bromobenzene	156	11.537	11.537	0.000	87	390130	37.5	39.4	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	425508	37.5	40.3	
99 N-Propylbenzene	120	11.597	11.596	0.001	99	448823	37.5	40.4	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	85	150952	37.5	40.4	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	78	121583	37.5	40.1	
102 2-Chlorotoluene	126	11.691	11.691	0.000	97	375575	37.5	39.6	
103 1,3,5-Trimethylbenzene	105	11.751	11.750	0.001	94	1257333	37.5	40.2	
104 4-Chlorotoluene	126	11.786	11.786	0.000	96	390790	37.5	40.0	
105 tert-Butylbenzene	119	12.000	12.000	0.000	92	1178165	37.5	40.8	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	1289457	37.5	40.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.189	12.189	0.000	93	1685685	37.5	41.1	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	98	742689	37.5	39.7	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	1464660	37.5	40.8	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	95	737171	37.5	39.1	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	1224358	37.5	41.1	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	690009	37.5	39.2	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	92	139895	37.5	41.1	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	94	453694	37.5	41.0	
119 Hexachlorobutadiene	225	14.051	14.039	0.012	98	205614	37.5	41.1	
121 Naphthalene	128	14.158	14.158	0.000	97	1388985	37.5	40.8	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	96	426979	37.5	41.0	
S 127 Trihalomethanes, Total	1				0		150.0	158.5	
S 126 Total BTEX	1				0		187.5	195.4	
S 128 1,2-Dichloroethene, Total	96				0			75.5	
S 129 1,3-Dichloropropene, Total	75				0			82.1	
S 130 Xylenes, Total	106				0		75.0	79.3	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00588	Amount Added:	30.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	30.00	Units: uL	
VMRPRIMW_00647	Amount Added:	30.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Jul-2025 09:28:38 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-008.D

Injection Date: 21-Jul-2025 14:34:54 Instrument ID: A3UX22 Operator ID:

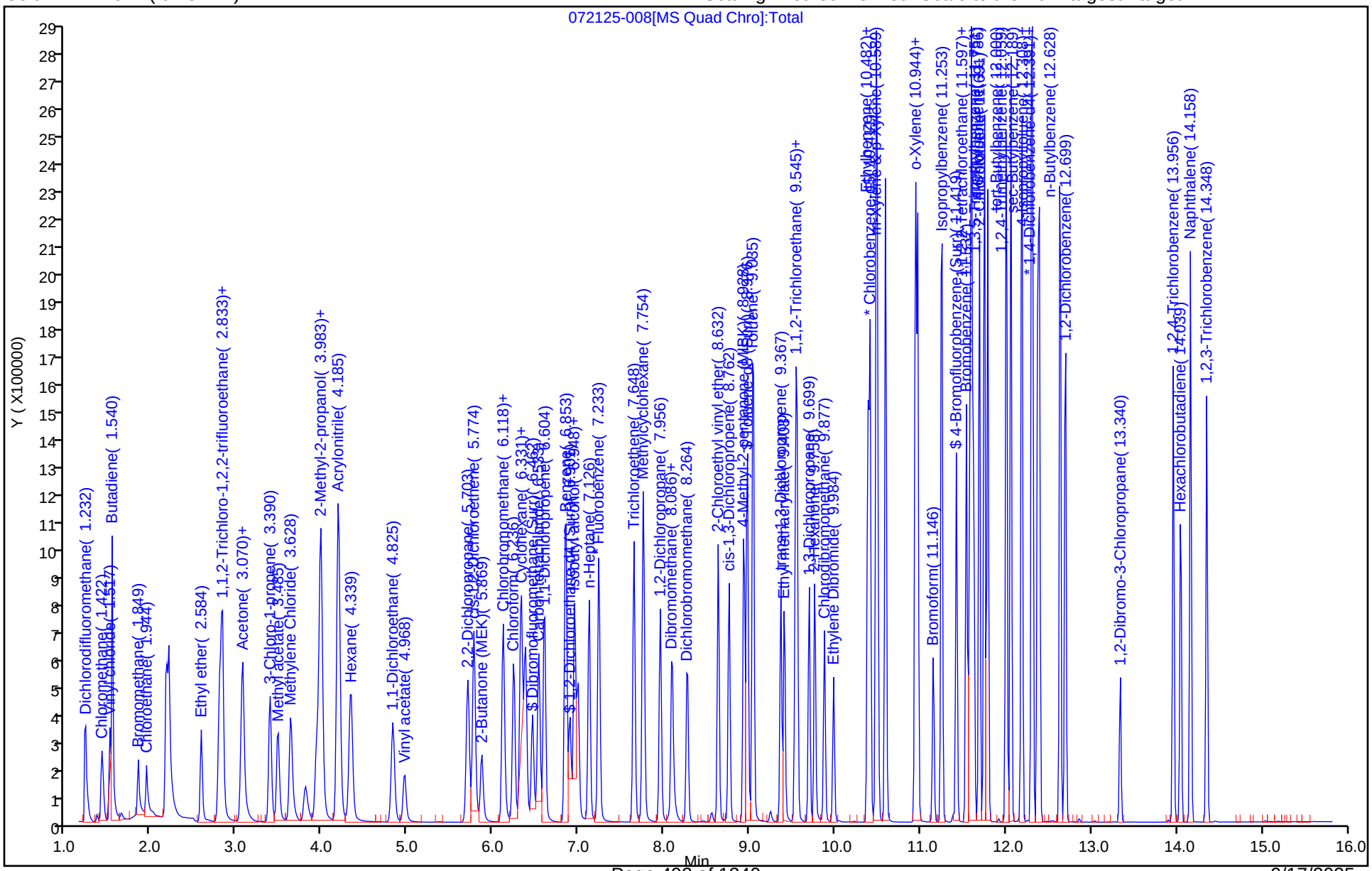
Lims ID: IC Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-009.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 21-Jul-2025 14:58:35 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 240-0157172-011
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:40 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 15:27:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.232	7.232	0.000	99	983625	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	83	767801	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	94	450634	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	262100	25.0	24.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.900	0.000	0	278777	25.0	23.8	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	937104	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.418	0.001	91	383592	25.0	25.0	
9 Dichlorodifluoromethane	85	1.220	1.232	-0.012	99	561067	50.0	49.0	
10 Chloromethane	50	1.422	1.422	0.000	99	427565	50.0	44.3	
12 Vinyl chloride	62	1.517	1.516	0.001	98	458604	50.0	47.4	
13 Butadiene	54	1.540	1.552	-0.012	89	446231	50.0	47.0	
14 Bromomethane	94	1.849	1.849	0.001	90	164325	50.0	50.1	
15 Chloroethane	64	1.944	1.943	0.001	99	174559	50.0	48.6	
16 Trichlorofluoromethane	101	2.169	2.181	-0.012	98	728863	50.0	46.5	
18 Dichlorofluoromethane	67	2.204	2.216	-0.012	97	880389	50.0	44.0	
19 Ethyl ether	59	2.584	2.584	0.000	87	262093	50.0	46.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.797	2.809	-0.012	92	374368	50.0	49.7	
22 Acrolein	56	2.833	2.833	0.000	99	149167	250.0	229.6	
23 1,1-Dichloroethene	96	2.821	2.833	-0.012	98	357870	50.0	48.8	
26 Iodomethane	142	3.046	3.058	-0.012	99	306730	50.0	49.8	
25 Acetone	43	3.058	3.058	0.000	100	314288	100.0	93.1	
27 Carbon disulfide	76	3.070	3.082	-0.012	99	1041093	50.0	47.8	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	87	445711	50.0	46.8	
29 Methyl acetate	43	3.473	3.485	-0.012	96	709092	100.0	94.4	
31 Methylene Chloride	84	3.627	3.639	-0.012	86	385980	50.0	43.9	
32 2-Methyl-2-propanol	59	3.936	3.936	0.000	99	787441	500.0	494.8	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	97	1044461	50.0	50.4	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	97	418551	50.0	48.7	
35 Acrylonitrile	53	4.185	4.185	0.000	98	1837568	500.0	494.5	
36 Hexane	57	4.327	4.339	-0.012	90	501728	50.0	51.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	663147	50.0	48.4	
40 Vinyl acetate	43	4.956	4.967	-0.011	97	391392	50.0	44.7	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	90	117521	50.0	49.1	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	76	453636	50.0	48.1	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	98	146359	100.0	102.9	
48 Chlorobromomethane	49	6.106	6.118	-0.012	87	250468	50.0	44.7	
49 Tetrahydrofuran	42	6.118	6.118	0.000	82	308723	100.0	92.6	
51 Chloroform	83	6.236	6.248	-0.012	93	707540	50.0	47.9	
52 Cyclohexane	84	6.331	6.331	0.000	86	640435	50.0	50.5	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	98	658924	50.0	49.4	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	601513	50.0	50.3	
55 1,1-Dichloropropene	75	6.592	6.604	-0.012	96	573681	50.0	50.0	
56 Benzene	78	6.841	6.853	-0.012	95	1581003	50.0	49.5	
57 Isobutyl alcohol	41	6.948	6.948	0.000	93	543459	1250.0	1325.0	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	502097	50.0	46.7	
60 n-Heptane	100	7.126	7.126	0.000	86	118050	50.0	51.8	
61 Trichloroethene	130	7.648	7.647	0.001	96	518170	50.0	52.1	
63 Methylcyclohexane	83	7.754	7.754	0.000	86	724029	50.0	51.7	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	94	366425	50.0	49.0	
67 Dibromomethane	174	8.086	8.098	-0.012	93	306738	50.0	48.1	
68 1,4-Dioxane	88	8.110	8.110	0.000	90	190987	1000.0	1027.3	
70 Dichlorobromomethane	83	8.264	8.276	-0.012	99	522623	50.0	50.1	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	93	555612	100.0	105.6	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	635629	50.0	51.2	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	95	866988	100.0	95.1	
75 Toluene	91	9.047	9.047	0.000	99	1757040	50.0	49.6	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	91	557529	50.0	53.1	
77 Ethyl methacrylate	69	9.403	9.402	0.001	86	535656	50.0	54.2	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	93	374230	50.0	51.9	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	526584	50.0	51.7	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	620648	50.0	51.2	
82 2-Hexanone	43	9.758	9.758	0.000	95	672547	100.0	104.2	
84 Chlorodibromomethane	129	9.877	9.877	0.000	89	444762	50.0	53.2	
85 Ethylene Dibromide	107	9.984	9.984	0.000	99	414786	50.0	52.3	
87 Chlorobenzene	112	10.411	10.410	0.001	97	1194585	50.0	50.0	
88 Ethylbenzene	106	10.482	10.482	0.000	98	655252	50.0	50.0	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.493	0.001	95	427071	50.0	53.2	
90 m-Xylene & p-Xylene	106	10.588	10.588	0.000	100	806811	50.0	50.3	
92 o-Xylene	106	10.944	10.944	0.000	96	770843	50.0	49.8	
93 Styrene	104	10.968	10.968	0.000	94	1292043	50.0	51.9	
94 Bromoform	173	11.146	11.146	0.000	98	342635	50.0	54.2	
95 Isopropylbenzene	105	11.253	11.252	0.001	95	1909109	50.0	51.1	
97 Bromobenzene	156	11.537	11.537	0.000	88	516986	50.0	50.7	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	551768	50.0	50.8	
99 N-Propylbenzene	120	11.596	11.596	0.000	99	595440	50.0	52.1	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	85	200235	50.0	52.1	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	80	164424	50.0	52.7	
102 2-Chlorotoluene	126	11.691	11.691	0.000	98	502767	50.0	51.5	
103 1,3,5-Trimethylbenzene	105	11.751	11.750	0.001	94	1668153	50.0	51.8	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	515579	50.0	51.3	
105 tert-Butylbenzene	119	12.012	12.000	0.012	92	1539166	50.0	51.8	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	1688486	50.0	51.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.189	12.189	0.000	93	2204675	50.0	52.2	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	1937649	50.0	52.5	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	98	994368	50.0	51.6	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	95	980172	50.0	50.6	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	1623792	50.0	52.9	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	914534	50.0	50.5	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	92	189587	50.0	54.1	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	94	601454	50.0	52.8	
119 Hexachlorobutadiene	225	14.051	14.039	0.012	97	268922	50.0	52.2	
121 Naphthalene	128	14.158	14.158	0.000	97	1838555	50.0	52.4	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	96	563028	50.0	52.5	
S 127 Trihalomethanes, Total	1				0		200.0	205.4	
S 126 Total BTEX	1				0		250.0	249.2	
S 128 1,2-Dichloroethene, Total	96				0			96.8	
S 129 1,3-Dichloropropene, Total	75				0			104.3	
S 130 Xylenes, Total	106				0		100.0	100.1	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00647	Amount Added:	40.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	40.00	Units: uL	
VMRGAS_00588	Amount Added:	40.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Jul-2025 09:28:41 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-009.D

Injection Date: 21-Jul-2025 14:58:35 Instrument ID: A3UX22 Operator ID:

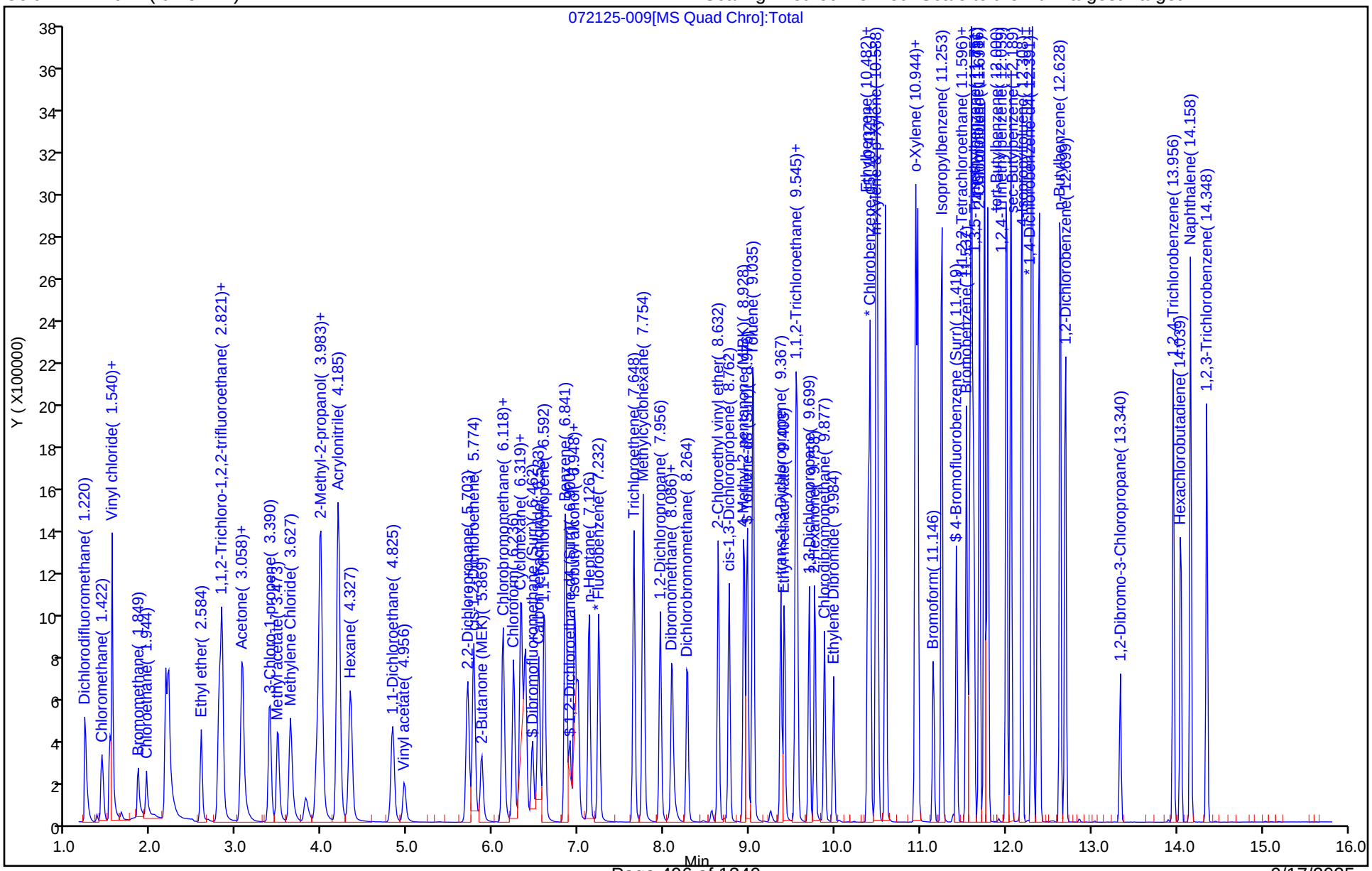
Lims ID: IC Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-010.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 21-Jul-2025 15:22:13 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ic
Misc. Info.: 240-0157172-012
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:28:43 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 16:22:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.232	7.232	0.000	99	991217	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	85	769386	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	95	453166	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	259253	25.0	23.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.900	0.000	0	276241	25.0	23.4	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	923632	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.418	0.001	92	382413	25.0	24.8	
9 Dichlorodifluoromethane	85	1.220	1.232	-0.012	99	688933	62.5	59.7	
10 Chloromethane	50	1.422	1.422	0.000	99	534541	62.5	55.0	
12 Vinyl chloride	62	1.517	1.516	0.001	97	562289	62.5	57.7	
13 Butadiene	54	1.540	1.552	-0.012	89	551595	62.5	57.6	
14 Bromomethane	94	1.849	1.849	0.001	90	210573	62.5	64.5	
15 Chloroethane	64	1.944	1.943	0.001	99	211354	62.5	63.7	
16 Trichlorofluoromethane	101	2.169	2.181	-0.012	98	873549	62.5	55.3	
18 Dichlorofluoromethane	67	2.204	2.216	-0.012	97	1070511	62.5	53.1	
19 Ethyl ether	59	2.584	2.584	0.000	87	334618	62.5	58.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.785	2.809	-0.024	93	459891	62.5	60.6	
22 Acrolein	56	2.833	2.833	0.000	99	188298	312.5	287.6	
23 1,1-Dichloroethene	96	2.821	2.833	-0.012	97	443582	62.5	60.0	
26 Iodomethane	142	3.046	3.058	-0.012	98	429173	62.5	62.5	
25 Acetone	43	3.058	3.058	0.000	44	387510	125.0	113.9	
27 Carbon disulfide	76	3.058	3.082	-0.024	99	1286381	62.5	58.6	
28 3-Chloro-1-propene	41	3.378	3.390	-0.012	86	528259	62.5	55.0	
29 Methyl acetate	43	3.485	3.485	0.000	96	895406	125.0	118.3	
31 Methylene Chloride	84	3.627	3.639	-0.012	86	481485	62.5	54.4	
32 2-Methyl-2-propanol	59	3.948	3.936	0.012	98	988140	625.0	616.2	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	99	1304326	62.5	62.5	
34 trans-1,2-Dichloroethene	96	3.971	3.983	-0.012	99	518510	62.5	59.9	
35 Acrylonitrile	53	4.185	4.185	0.000	98	2299011	625.0	614.0	
36 Hexane	57	4.327	4.339	-0.012	90	616179	62.5	62.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	823289	62.5	59.6	
40 Vinyl acetate	43	4.956	4.967	-0.011	97	618304	62.5	70.0	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	90	148796	62.5	61.7	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	77	566692	62.5	59.6	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	98	187138	125.0	130.6	
48 Chlorobromomethane	49	6.106	6.118	-0.012	89	308073	62.5	54.6	
49 Tetrahydrofuran	42	6.118	6.118	0.000	82	387132	125.0	115.3	
51 Chloroform	83	6.236	6.248	-0.012	93	879210	62.5	59.0	
52 Cyclohexane	84	6.331	6.331	0.000	87	781590	62.5	61.2	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	98	810036	62.5	60.3	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	735907	62.5	61.1	
55 1,1-Dichloropropene	75	6.592	6.604	-0.012	97	704528	62.5	60.9	
56 Benzene	78	6.841	6.853	-0.012	96	1950391	62.5	60.6	
57 Isobutyl alcohol	41	6.960	6.948	0.012	93	686523	1562.5	1660.9	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	618230	62.5	57.1	
60 n-Heptane	100	7.126	7.126	0.000	86	146723	62.5	63.9	
61 Trichloroethene	130	7.648	7.647	0.001	96	620191	62.5	61.8	
63 Methylcyclohexane	83	7.754	7.754	0.000	85	891911	62.5	63.2	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	95	457849	62.5	60.8	
67 Dibromomethane	174	8.086	8.098	-0.012	95	387019	62.5	60.3	
68 1,4-Dioxane	88	8.110	8.110	0.000	90	238847	1250.0	1274.9	
70 Dichlorobromomethane	83	8.264	8.276	-0.012	99	647327	62.5	61.6	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	93	699367	125.0	131.8	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	793429	62.5	63.4	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	96	1090762	125.0	118.7	
75 Toluene	91	9.047	9.047	0.000	99	2147179	62.5	60.5	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	91	714483	62.5	67.9	
77 Ethyl methacrylate	69	9.403	9.402	0.001	86	679863	62.5	68.6	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	92	466984	62.5	64.6	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	638535	62.5	62.6	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	774012	62.5	63.7	
82 2-Hexanone	43	9.758	9.758	0.000	95	834601	125.0	129.1	
84 Chlorodibromomethane	129	9.877	9.877	0.000	89	556597	62.5	66.4	
85 Ethylene Dibromide	107	9.984	9.984	0.000	99	512345	62.5	64.5	
87 Chlorobenzene	112	10.411	10.410	0.001	97	1463554	62.5	61.2	
88 Ethylbenzene	106	10.482	10.482	0.000	98	803159	62.5	61.1	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.493	0.001	96	526211	62.5	65.4	
90 m-Xylene & p-Xylene	106	10.588	10.588	0.000	100	982469	62.5	61.1	
92 o-Xylene	106	10.944	10.944	0.000	96	951835	62.5	61.4	
93 Styrene	104	10.968	10.968	0.000	94	1579748	62.5	63.3	
94 Bromoform	173	11.146	11.146	0.000	98	428085	62.5	67.6	
95 Isopropylbenzene	105	11.253	11.252	0.001	95	2291838	62.5	61.2	
97 Bromobenzene	156	11.537	11.537	0.000	87	645477	62.5	63.0	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	708895	62.5	64.9	
99 N-Propylbenzene	120	11.596	11.596	0.000	98	731999	62.5	63.7	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	85	249532	62.5	64.5	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	79	202947	62.5	64.7	
102 2-Chlorotoluene	126	11.691	11.691	0.000	98	611410	62.5	62.3	
103 1,3,5-Trimethylbenzene	105	11.751	11.750	0.001	95	2038283	62.5	62.9	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	631128	62.5	62.5	
105 tert-Butylbenzene	119	12.011	12.000	0.011	92	1856245	62.5	62.1	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	2068402	62.5	62.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.189	12.189	0.000	93	2638964	62.5	62.2	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	98	1204589	62.5	62.2	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	2331341	62.5	62.8	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	95	1202439	62.5	61.7	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	1974743	62.5	64.0	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	1117150	62.5	61.4	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	92	234235	62.5	66.5	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	94	737115	62.5	64.4	
119 Hexachlorobutadiene	225	14.051	14.039	0.012	97	326519	62.5	63.0	
121 Naphthalene	128	14.158	14.158	0.000	97	2295283	62.5	65.1	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	96	687101	62.5	63.8	
S 127 Trihalomethanes, Total	1				0		250.0	254.7	
S 126 Total BTEX	1				0		312.5	304.7	
S 128 1,2-Dichloroethene, Total	96				0			119.5	
S 129 1,3-Dichloropropene, Total	75				0			131.3	
S 130 Xylenes, Total	106				0		125.0	122.5	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00588	Amount Added:	50.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	50.00	Units: uL	
VMRPRIMW_00647	Amount Added:	50.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Jul-2025 09:28:44 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-010.D

Injection Date: 21-Jul-2025 15:22:13 Instrument ID: A3UX22 Operator ID:

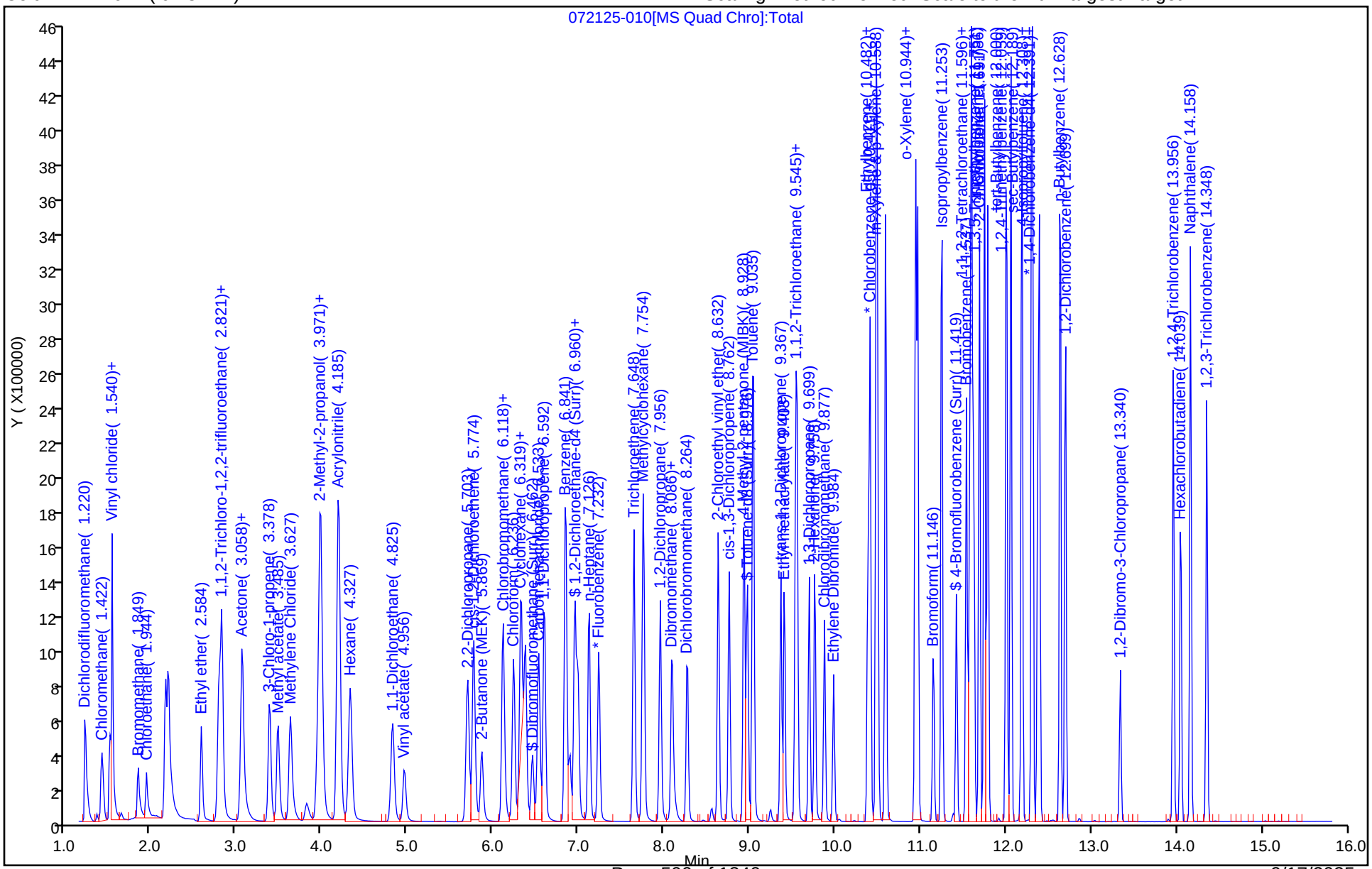
Lims ID: IC Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

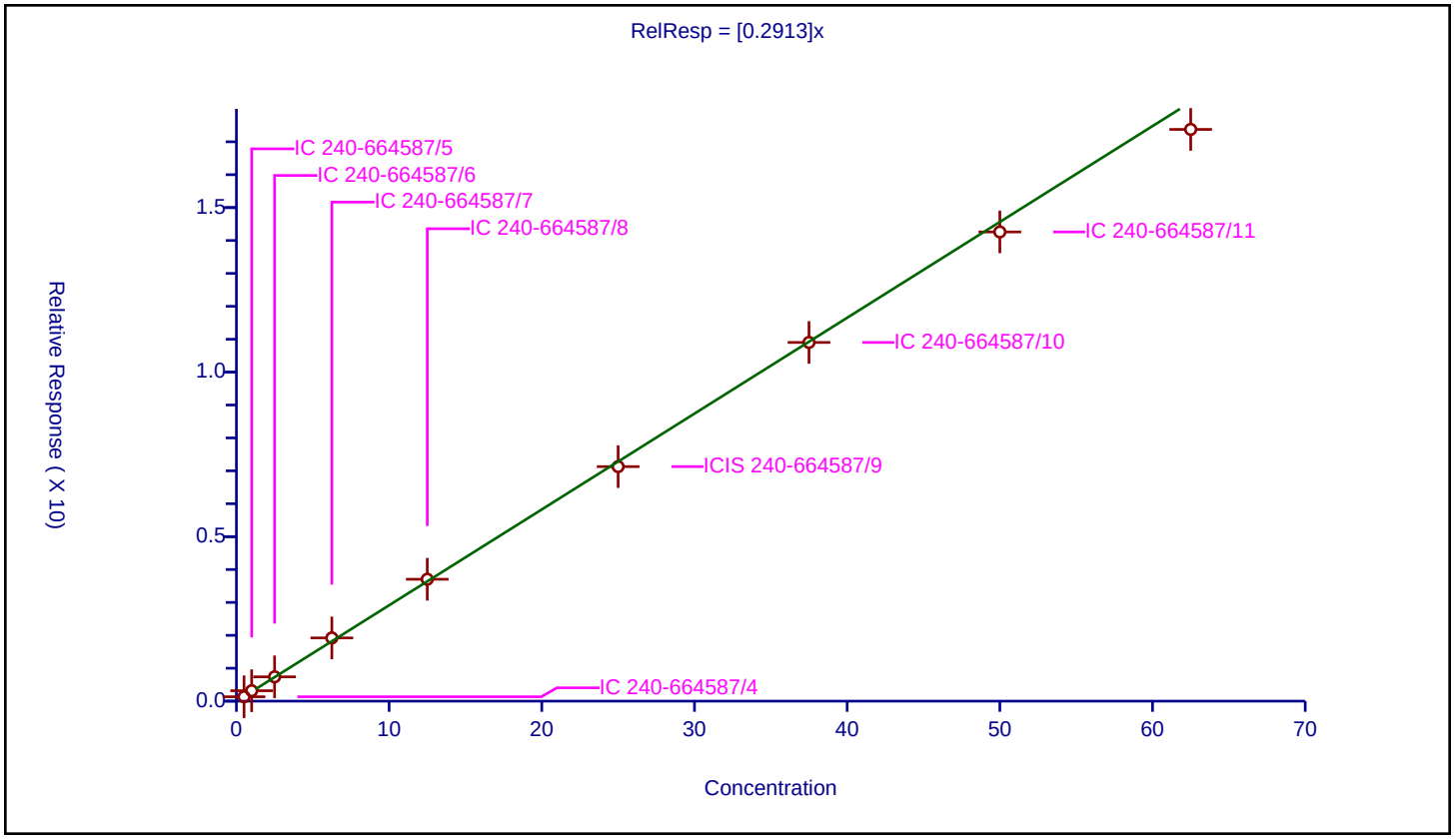
Curve Coefficients

Intercept:	0
Slope:	0.2913

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.133009	25.0	921368.0	0.266017	Y
2	IC 240-664587/5	1.0	0.317232	25.0	886180.0	0.317232	Y
3	IC 240-664587/6	2.5	0.738679	25.0	922525.0	0.295472	Y
4	IC 240-664587/7	6.25	1.921146	25.0	906503.0	0.307383	Y
5	IC 240-664587/8	12.5	3.704703	25.0	929872.0	0.296376	Y
6	ICIS 240-664587/9	25.0	7.127826	25.0	945881.0	0.285113	Y
7	IC 240-664587/10	37.5	10.901448	25.0	939522.0	0.290705	Y
8	IC 240-664587/11	50.0	14.260186	25.0	983625.0	0.285204	Y
9	IC 240-664587/12	62.5	17.375938	25.0	991217.0	0.278015	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

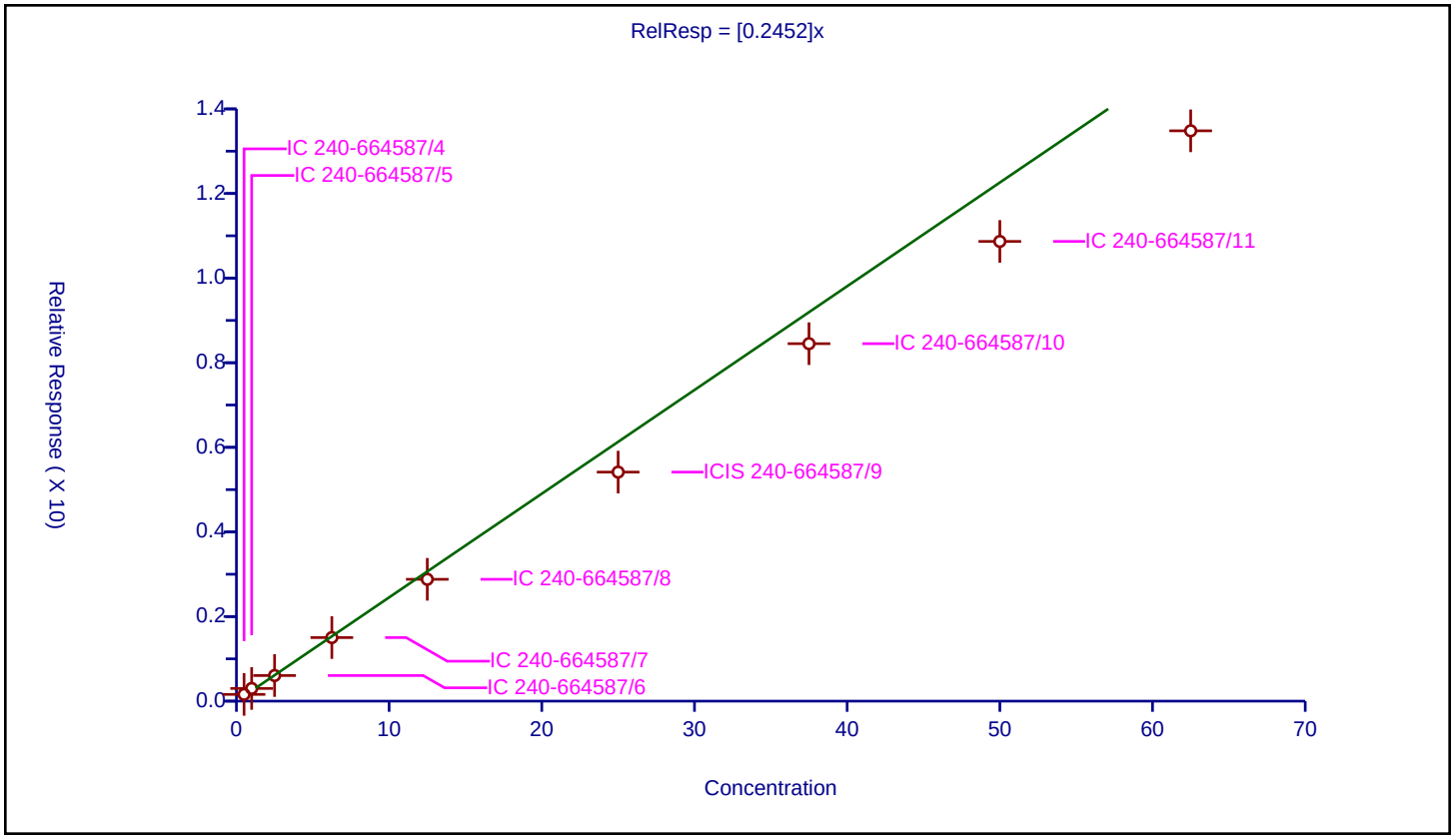
Curve Coefficients

Intercept:	0
Slope:	0.2452

Error Coefficients

Relative Standard Deviation:	15.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.159383	25.0	921368.0	0.318765	Y
2	IC 240-664587/5	1.0	0.299967	25.0	886180.0	0.299967	Y
3	IC 240-664587/6	2.5	0.605404	25.0	922525.0	0.242161	Y
4	IC 240-664587/7	6.25	1.502312	25.0	906503.0	0.24037	Y
5	IC 240-664587/8	12.5	2.880181	25.0	929872.0	0.230415	Y
6	ICIS 240-664587/9	25.0	5.414027	25.0	945881.0	0.216561	Y
7	IC 240-664587/10	37.5	8.450308	25.0	939522.0	0.225342	Y
8	IC 240-664587/11	50.0	10.867073	25.0	983625.0	0.217341	Y
9	IC 240-664587/12	62.5	13.481937	25.0	991217.0	0.215711	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

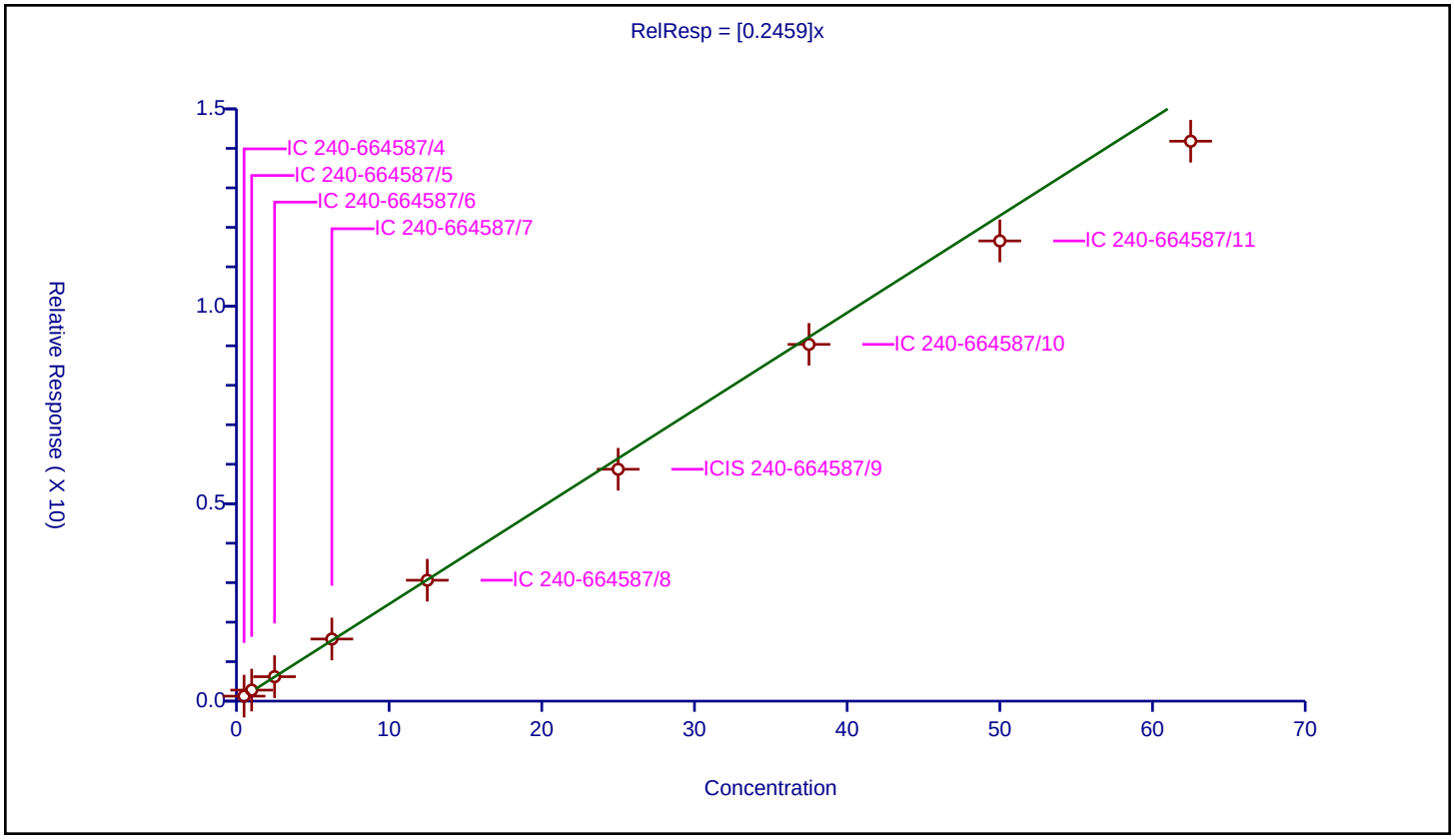
Curve Coefficients

Intercept:	0
Slope:	0.2459

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.126714	25.0	921368.0	0.253428	Y
2	IC 240-664587/5	1.0	0.279458	25.0	886180.0	0.279458	Y
3	IC 240-664587/6	2.5	0.619116	25.0	922525.0	0.247646	Y
4	IC 240-664587/7	6.25	1.573712	25.0	906503.0	0.251794	Y
5	IC 240-664587/8	12.5	3.062249	25.0	929872.0	0.24498	Y
6	ICIS 240-664587/9	25.0	5.873334	25.0	945881.0	0.234933	Y
7	IC 240-664587/10	37.5	9.03518	25.0	939522.0	0.240938	Y
8	IC 240-664587/11	50.0	11.655966	25.0	983625.0	0.233119	Y
9	IC 240-664587/12	62.5	14.181784	25.0	991217.0	0.226909	Y



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Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

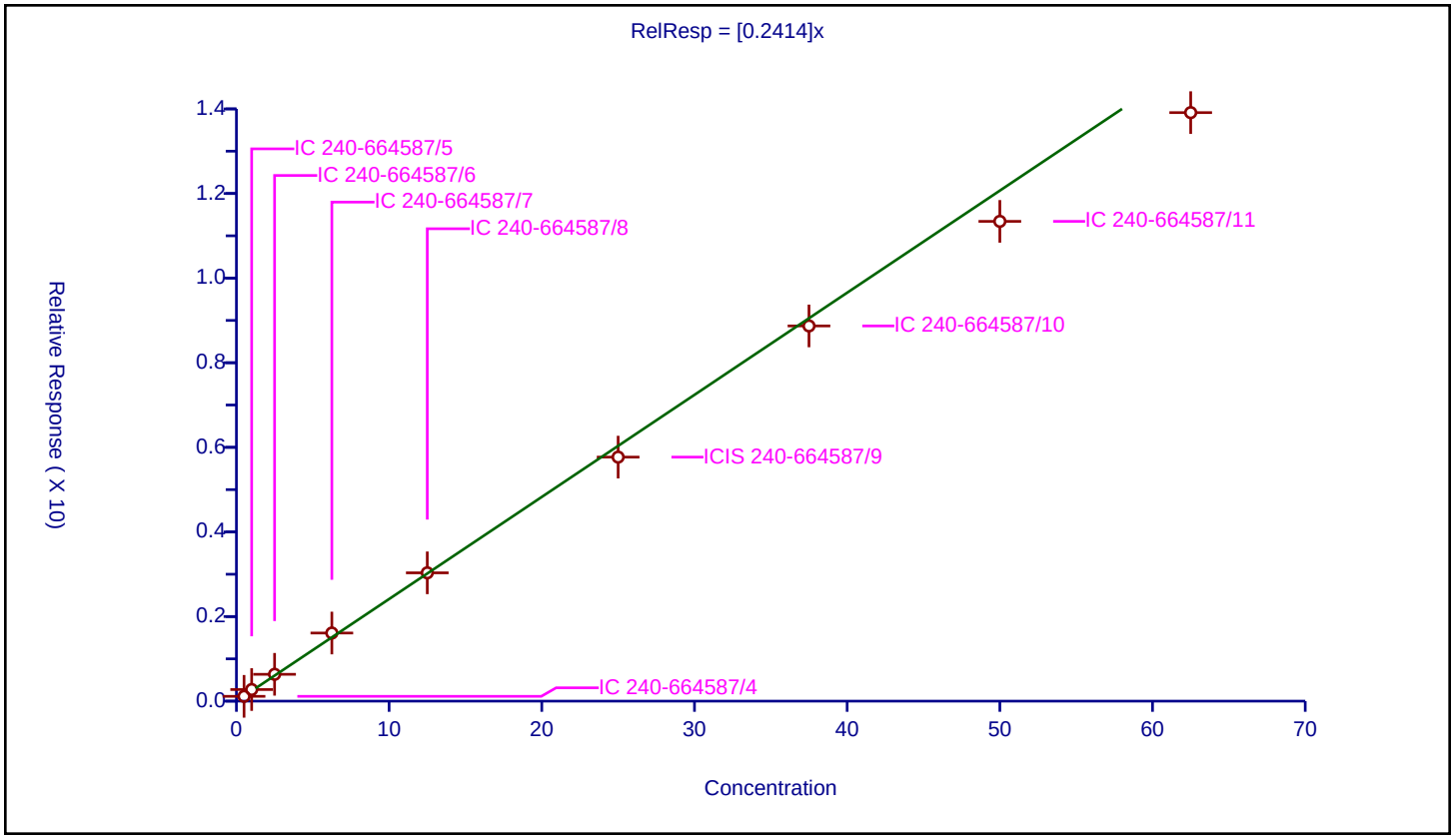
Curve Coefficients

Intercept:	0
Slope:	0.2414

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.113581	25.0	921368.0	0.227162	Y
2	IC 240-664587/5	1.0	0.274295	25.0	886180.0	0.274295	Y
3	IC 240-664587/6	2.5	0.634536	25.0	922525.0	0.253814	Y
4	IC 240-664587/7	6.25	1.610033	25.0	906503.0	0.257605	Y
5	IC 240-664587/8	12.5	3.033213	25.0	929872.0	0.242657	Y
6	ICIS 240-664587/9	25.0	5.768749	25.0	945881.0	0.23075	Y
7	IC 240-664587/10	37.5	8.86951	25.0	939522.0	0.23652	Y
8	IC 240-664587/11	50.0	11.341492	25.0	983625.0	0.22683	Y
9	IC 240-664587/12	62.5	13.912065	25.0	991217.0	0.222593	Y



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Calibration / Bromomethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

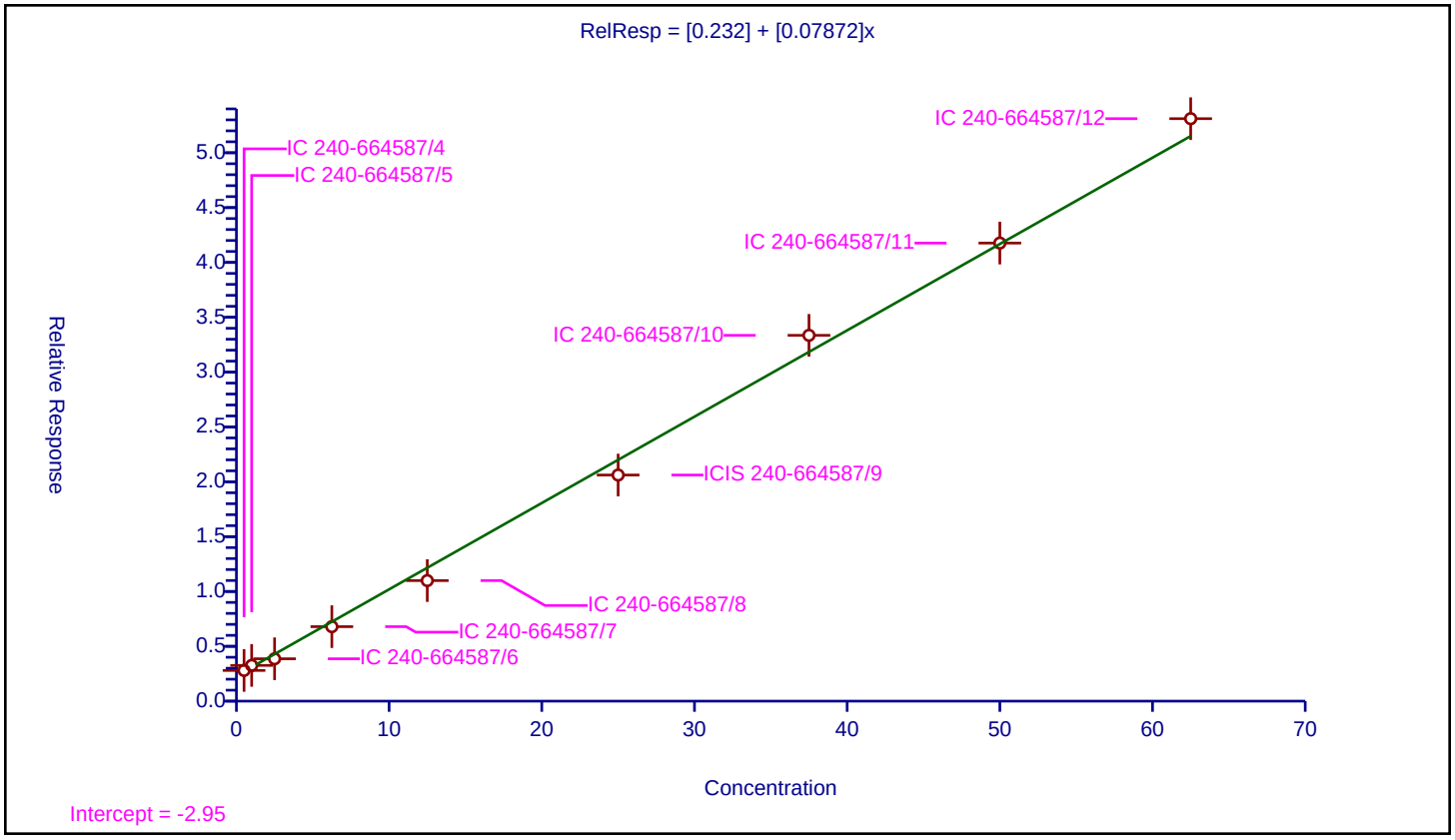
Curve Coefficients

Intercept:	0.232
Slope:	0.07872

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.279964	25.0	921368.0	0.559928	Y
2	IC 240-664587/5	1.0	0.32578	25.0	886180.0	0.32578	Y
3	IC 240-664587/6	2.5	0.386195	25.0	922525.0	0.154478	Y
4	IC 240-664587/7	6.25	0.679093	25.0	906503.0	0.108655	Y
5	IC 240-664587/8	12.5	1.099184	25.0	929872.0	0.087935	Y
6	ICIS 240-664587/9	25.0	2.061544	25.0	945881.0	0.082462	Y
7	IC 240-664587/10	37.5	3.33542	25.0	939522.0	0.088945	Y
8	IC 240-664587/11	50.0	4.176515	25.0	983625.0	0.08353	Y
9	IC 240-664587/12	62.5	5.310971	25.0	991217.0	0.084976	Y



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Calibration / Chloroethane

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

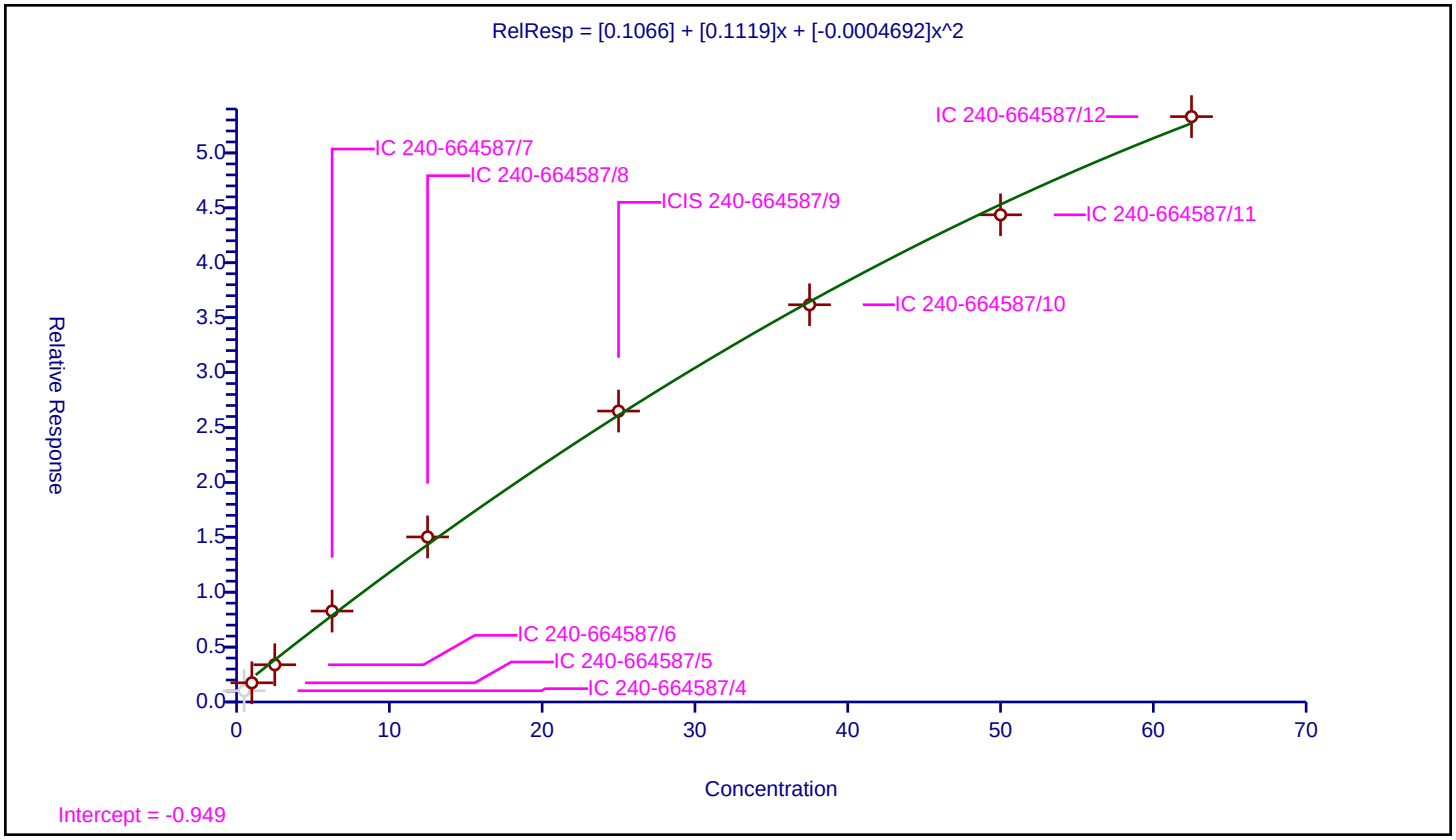
Curve Coefficients

Intercept:	0.1066
Slope:	0.1119
Second Order:	-0.0004692

Error Coefficients

Relative Standard Deviation:	19.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.102239	25.0	921368.0	0.204479	N
2	IC 240-664587/5	1.0	0.174654	25.0	886180.0	0.174654	Y
3	IC 240-664587/6	2.5	0.339151	25.0	922525.0	0.13566	Y
4	IC 240-664587/7	6.25	0.827934	25.0	906503.0	0.13247	Y
5	IC 240-664587/8	12.5	1.502949	25.0	929872.0	0.120236	Y
6	ICIS 240-664587/9	25.0	2.649329	25.0	945881.0	0.105973	Y
7	IC 240-664587/10	37.5	3.617558	25.0	939522.0	0.096468	Y
8	IC 240-664587/11	50.0	4.436625	25.0	983625.0	0.088732	Y
9	IC 240-664587/12	62.5	5.330669	25.0	991217.0	0.085291	Y



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Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

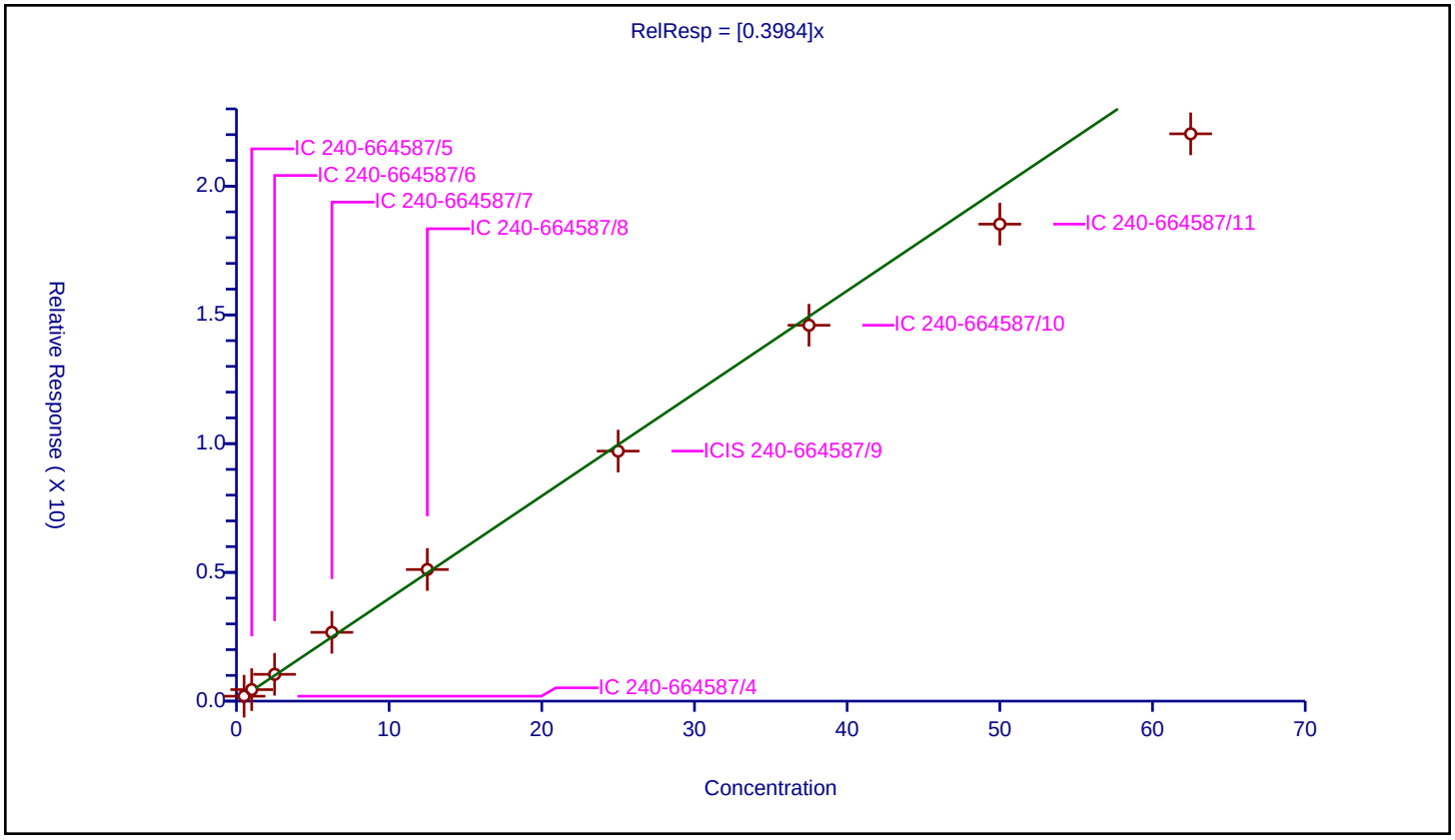
Curve Coefficients

Intercept:	0
Slope:	0.3984

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.192296	25.0	921368.0	0.384591	Y
2	IC 240-664587/5	1.0	0.4472	25.0	886180.0	0.4472	Y
3	IC 240-664587/6	2.5	1.041273	25.0	922525.0	0.416509	Y
4	IC 240-664587/7	6.25	2.671696	25.0	906503.0	0.427471	Y
5	IC 240-664587/8	12.5	5.112263	25.0	929872.0	0.408981	Y
6	ICIS 240-664587/9	25.0	9.710207	25.0	945881.0	0.388408	Y
7	IC 240-664587/10	37.5	14.598301	25.0	939522.0	0.389288	Y
8	IC 240-664587/11	50.0	18.524921	25.0	983625.0	0.370498	Y
9	IC 240-664587/12	62.5	22.032234	25.0	991217.0	0.352516	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

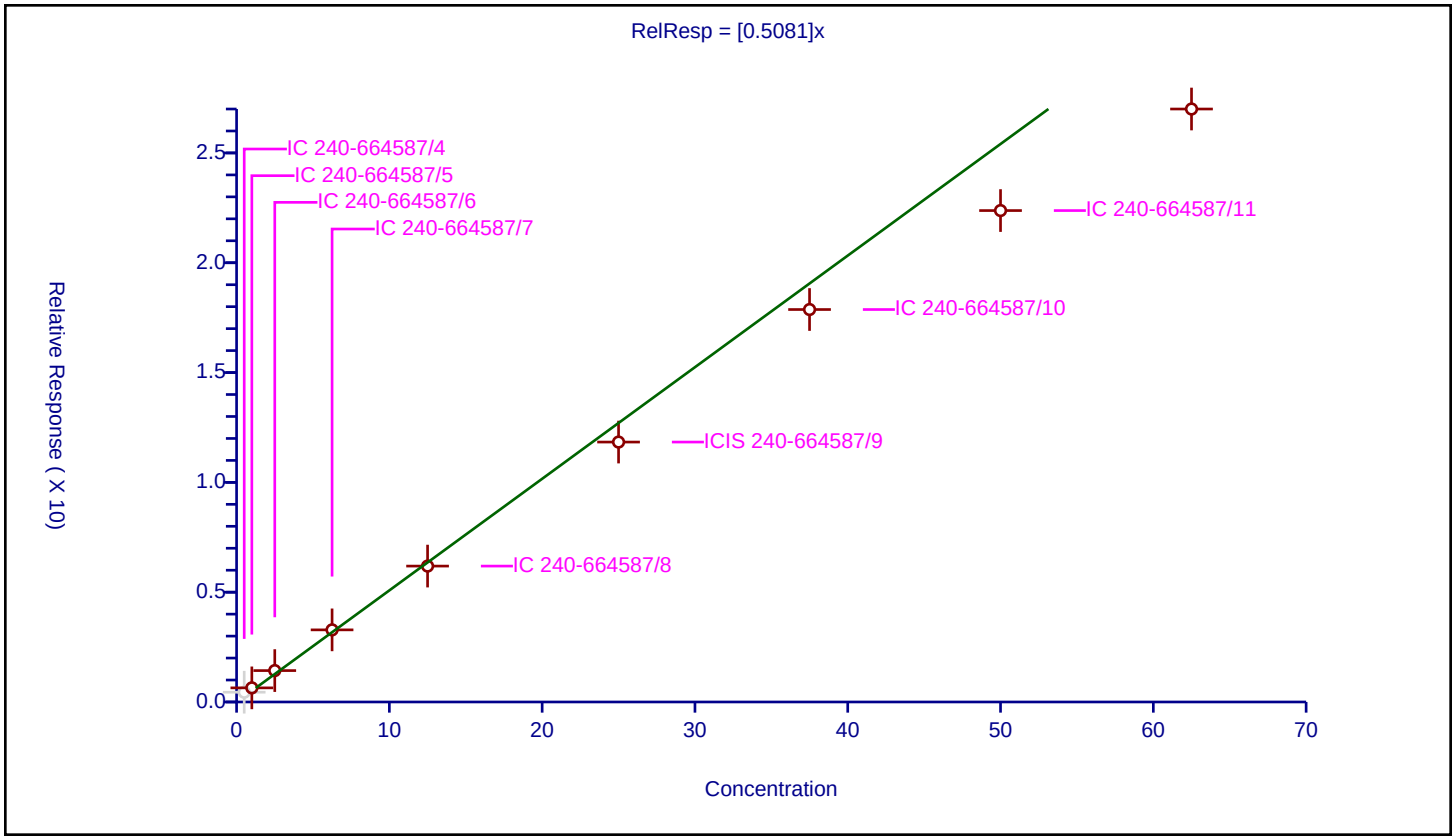
Curve Coefficients

Intercept:	0
Slope:	0.5081

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.44537	25.0	921368.0	0.890741	N
2	IC 240-664587/5	1.0	0.643492	25.0	886180.0	0.643492	Y
3	IC 240-664587/6	2.5	1.429175	25.0	922525.0	0.57167	Y
4	IC 240-664587/7	6.25	3.284242	25.0	906503.0	0.525479	Y
5	IC 240-664587/8	12.5	6.187975	25.0	929872.0	0.495038	Y
6	ICIS 240-664587/9	25.0	11.835236	25.0	945881.0	0.473409	Y
7	IC 240-664587/10	37.5	17.870071	25.0	939522.0	0.476535	Y
8	IC 240-664587/11	50.0	22.376134	25.0	983625.0	0.447523	Y
9	IC 240-664587/12	62.5	26.999915	25.0	991217.0	0.431999	Y



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Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

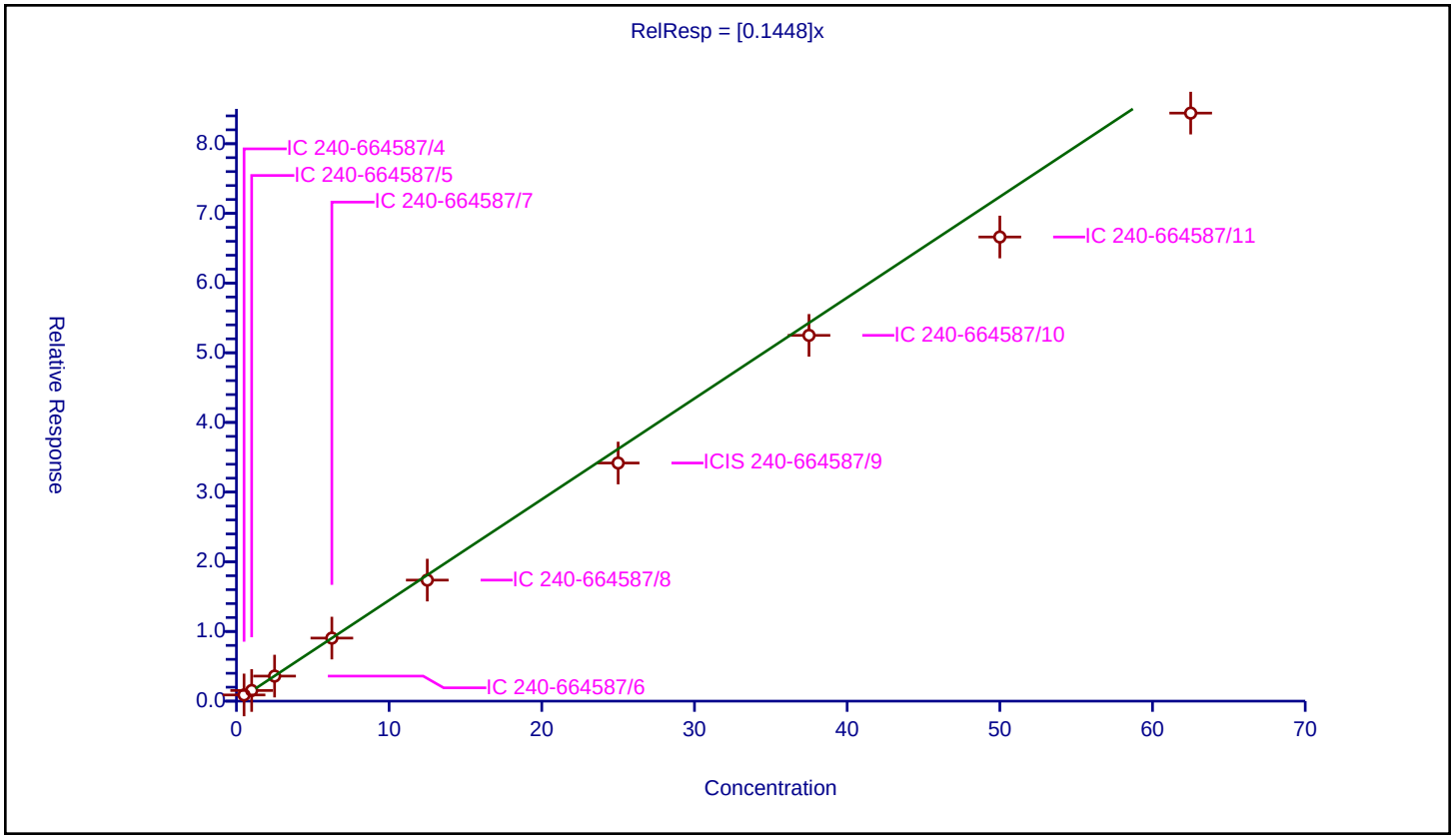
Curve Coefficients

Intercept:	0
Slope:	0.1448

Error Coefficients

Relative Standard Deviation:	9.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.088862	25.0	921368.0	0.177725	Y
2	IC 240-664587/5	1.0	0.15265	25.0	886180.0	0.15265	Y
3	IC 240-664587/6	2.5	0.359665	25.0	922525.0	0.143866	Y
4	IC 240-664587/7	6.25	0.904989	25.0	906503.0	0.144798	Y
5	IC 240-664587/8	12.5	1.737175	25.0	929872.0	0.138974	Y
6	ICIS 240-664587/9	25.0	3.41737	25.0	945881.0	0.136695	Y
7	IC 240-664587/10	37.5	5.249877	25.0	939522.0	0.139997	Y
8	IC 240-664587/11	50.0	6.661406	25.0	983625.0	0.133228	Y
9	IC 240-664587/12	62.5	8.439575	25.0	991217.0	0.135033	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

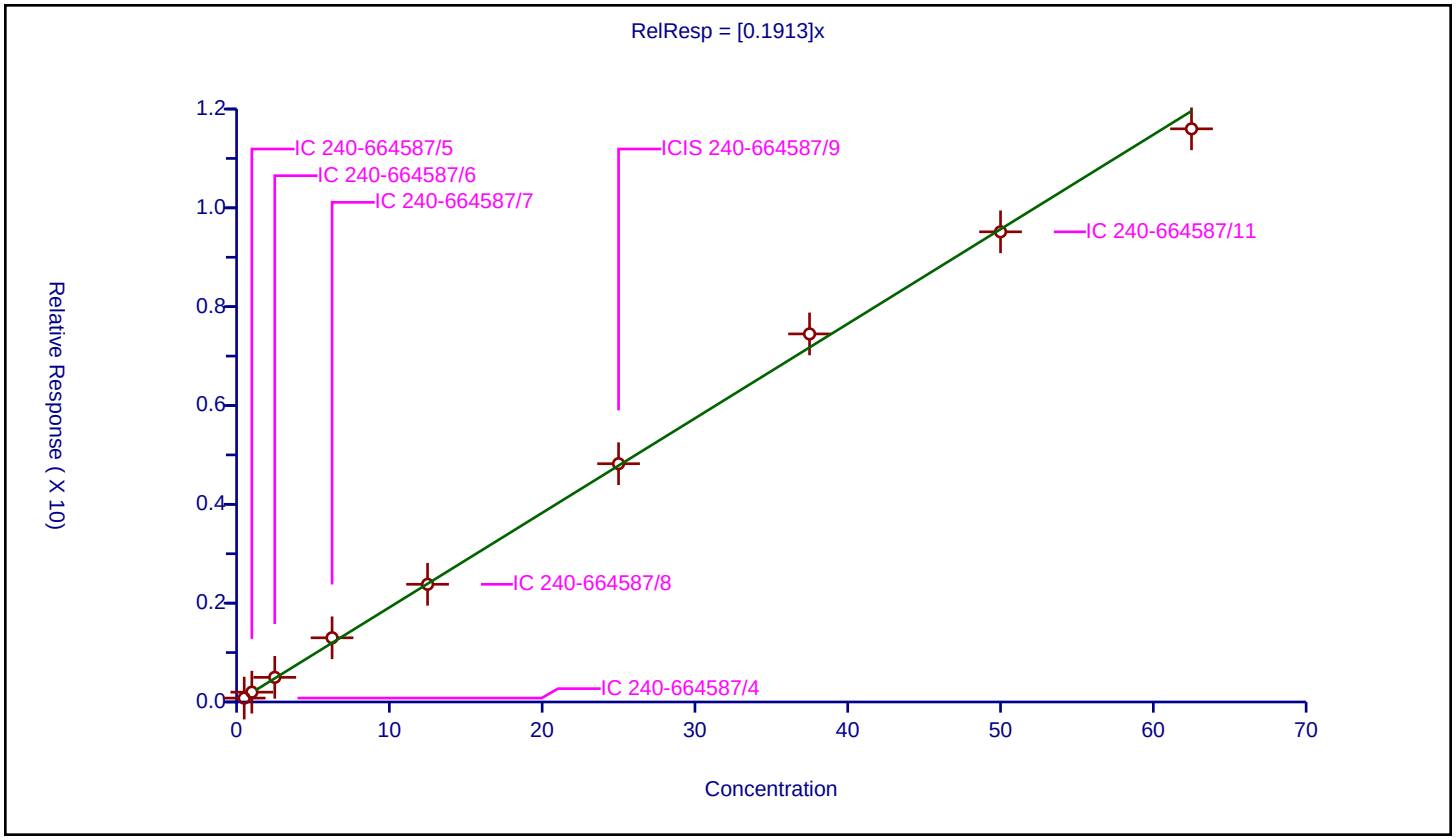
Curve Coefficients

Intercept:	0
Slope:	0.1913

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.078959	25.0	921368.0	0.157917	Y
2	IC 240-664587/5	1.0	0.199057	25.0	886180.0	0.199057	Y
3	IC 240-664587/6	2.5	0.498225	25.0	922525.0	0.19929	Y
4	IC 240-664587/7	6.25	1.299086	25.0	906503.0	0.207854	Y
5	IC 240-664587/8	12.5	2.381914	25.0	929872.0	0.190553	Y
6	ICIS 240-664587/9	25.0	4.822224	25.0	945881.0	0.192889	Y
7	IC 240-664587/10	37.5	7.448788	25.0	939522.0	0.198634	Y
8	IC 240-664587/11	50.0	9.515008	25.0	983625.0	0.1903	Y
9	IC 240-664587/12	62.5	11.59915	25.0	991217.0	0.185586	Y



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Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

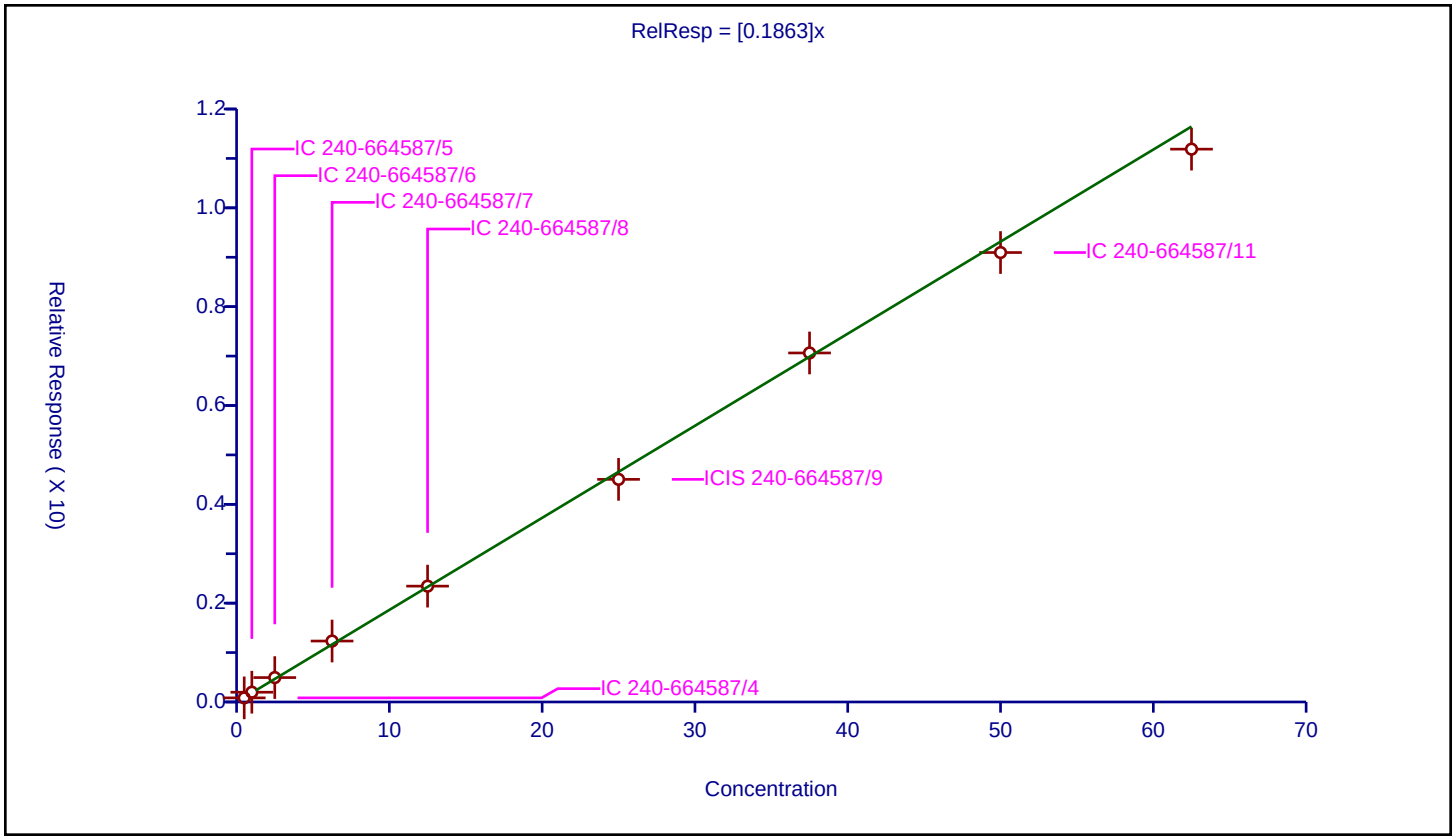
Curve Coefficients

Intercept:	0
Slope:	0.1863

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.083436	25.0	921368.0	0.166871	Y
2	IC 240-664587/5	1.0	0.198013	25.0	886180.0	0.198013	Y
3	IC 240-664587/6	2.5	0.49397	25.0	922525.0	0.197588	Y
4	IC 240-664587/7	6.25	1.233559	25.0	906503.0	0.197369	Y
5	IC 240-664587/8	12.5	2.344758	25.0	929872.0	0.187581	Y
6	ICIS 240-664587/9	25.0	4.505165	25.0	945881.0	0.180207	Y
7	IC 240-664587/10	37.5	7.063219	25.0	939522.0	0.188353	Y
8	IC 240-664587/11	50.0	9.095692	25.0	983625.0	0.181914	Y
9	IC 240-664587/12	62.5	11.187813	25.0	991217.0	0.179005	Y



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Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

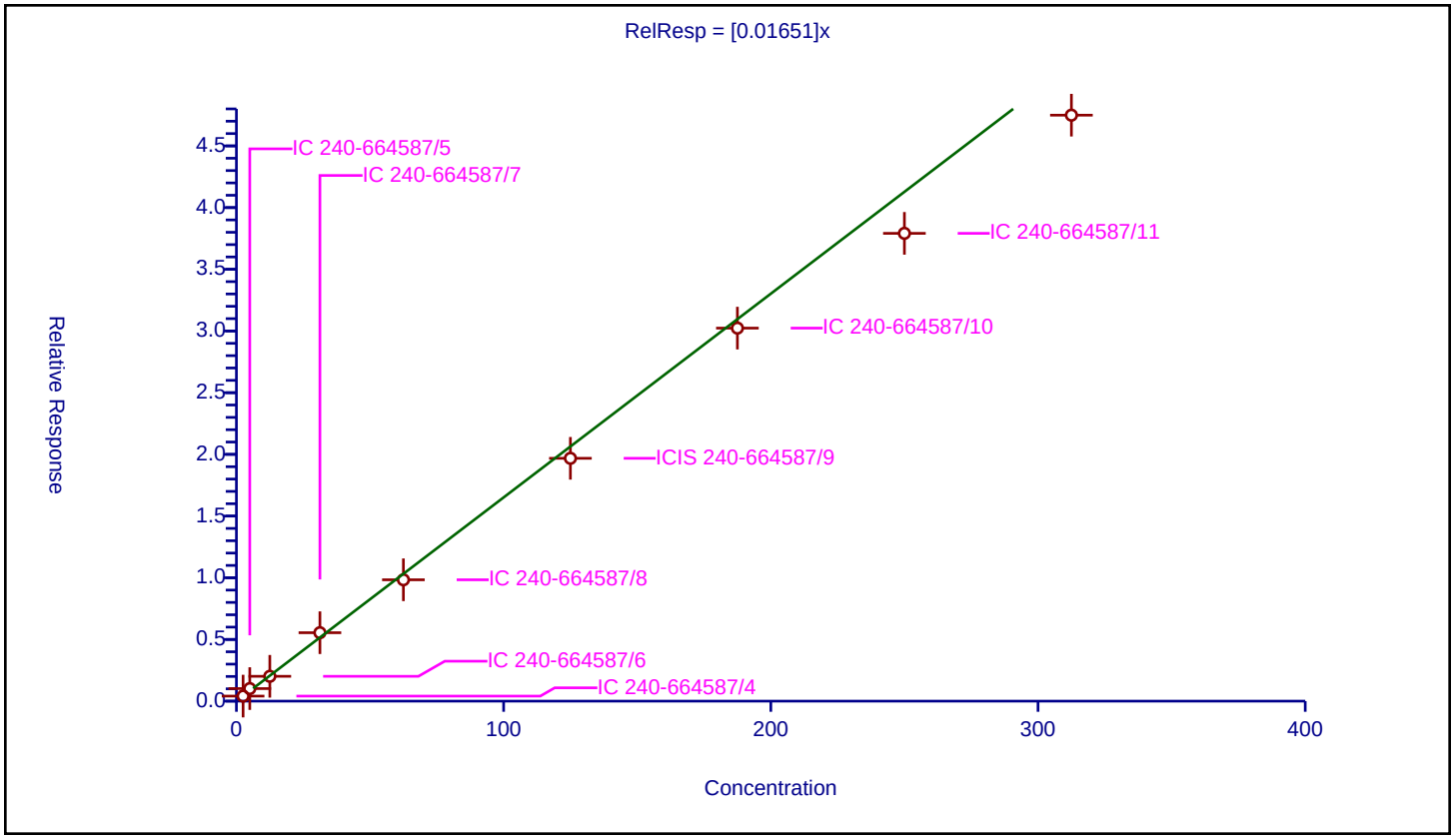
Curve Coefficients

Intercept:	0
Slope:	0.01651

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	2.5	0.040999	25.0	921368.0	0.0164	Y
2	IC 240-664587/5	5.0	0.10187	25.0	886180.0	0.020374	Y
3	IC 240-664587/6	12.5	0.201322	25.0	922525.0	0.016106	Y
4	IC 240-664587/7	31.25	0.554659	25.0	906503.0	0.017749	Y
5	IC 240-664587/8	62.5	0.983469	25.0	929872.0	0.015735	Y
6	ICIS 240-664587/9	125.0	1.968059	25.0	945881.0	0.015744	Y
7	IC 240-664587/10	187.5	3.023239	25.0	939522.0	0.016124	Y
8	IC 240-664587/11	250.0	3.791257	25.0	983625.0	0.015165	Y
9	IC 240-664587/12	312.5	4.749162	25.0	991217.0	0.015197	Y



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Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

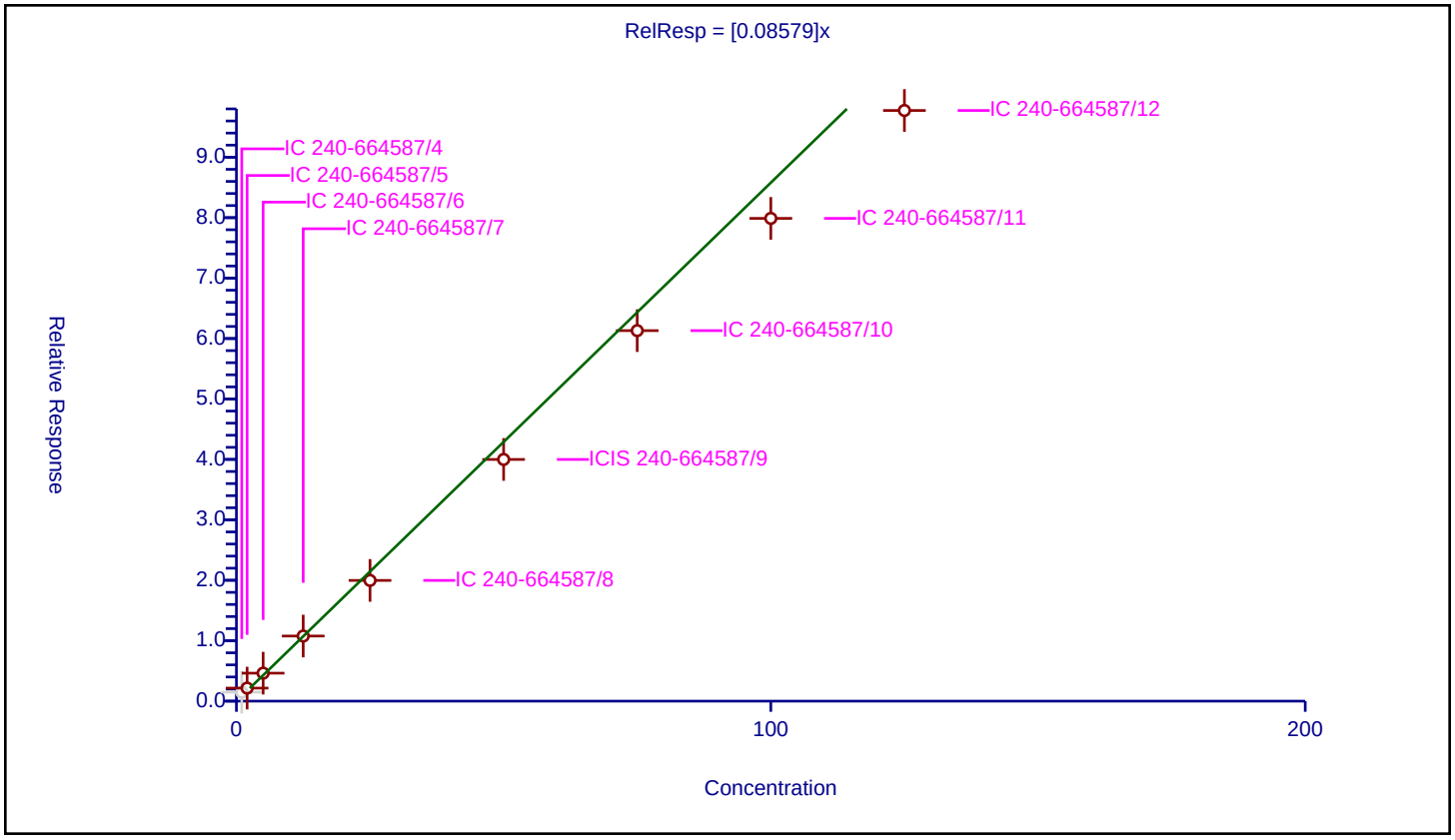
Curve Coefficients

Intercept:	0
Slope:	0.08579

Error Coefficients

Relative Standard Deviation:	11.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	1.0	0.148393	25.0	921368.0	0.148393	N
2	IC 240-664587/5	2.0	0.215588	25.0	886180.0	0.107794	Y
3	IC 240-664587/6	5.0	0.463077	25.0	922525.0	0.092615	Y
4	IC 240-664587/7	12.5	1.077382	25.0	906503.0	0.086191	Y
5	IC 240-664587/8	25.0	1.997479	25.0	929872.0	0.079899	Y
6	ICIS 240-664587/9	50.0	3.999446	25.0	945881.0	0.079989	Y
7	IC 240-664587/10	75.0	6.130963	25.0	939522.0	0.081746	Y
8	IC 240-664587/11	100.0	7.988004	25.0	983625.0	0.07988	Y
9	IC 240-664587/12	125.0	9.773591	25.0	991217.0	0.078189	Y



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Calibration / Iodomethane

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

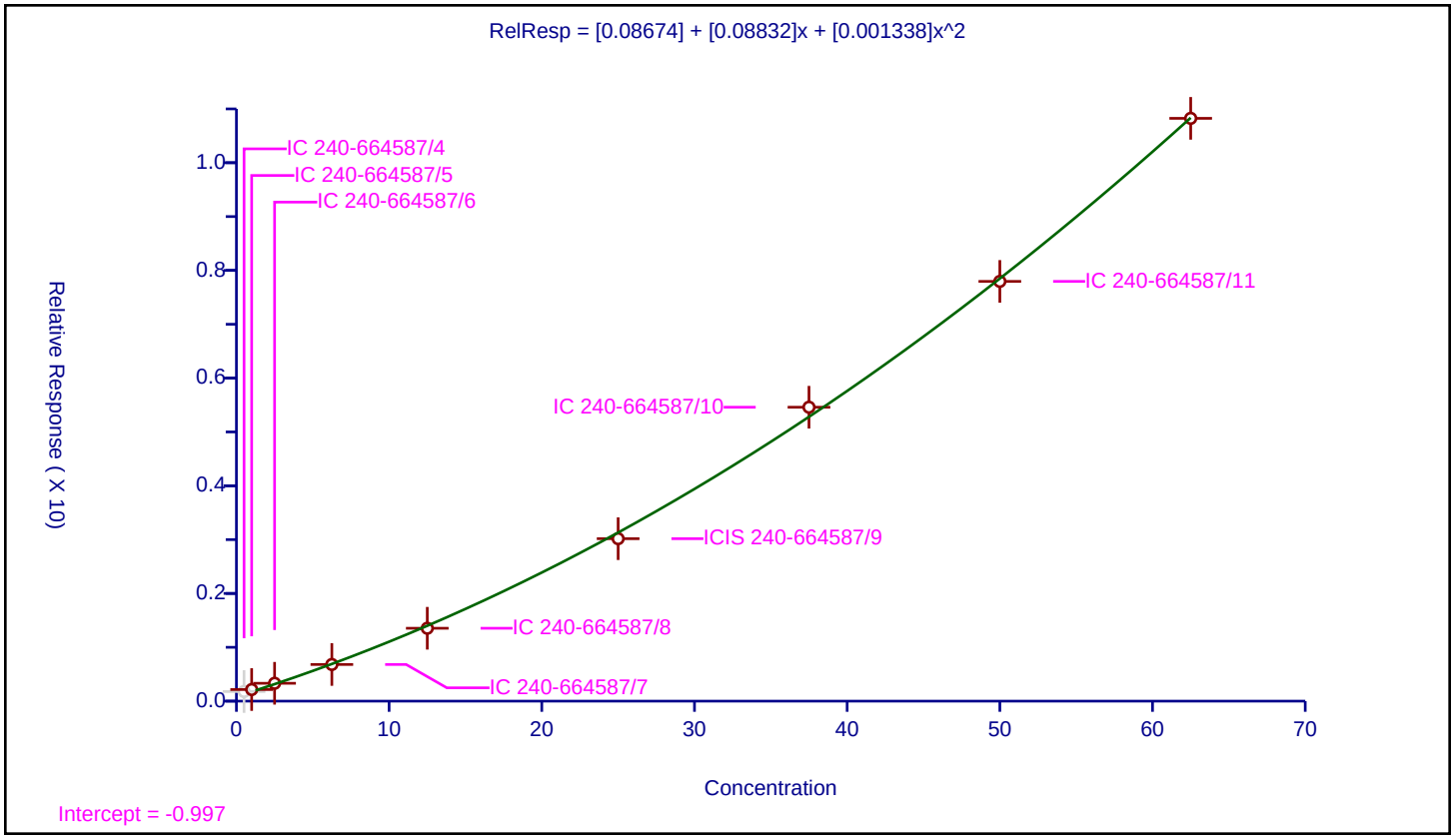
Curve Coefficients

Intercept:	0.08674
Slope:	0.08832
Second Order:	0.001338

Error Coefficients

Relative Standard Deviation:	19.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.178946	25.0	921368.0	0.357892	N
2	IC 240-664587/5	1.0	0.215278	25.0	886180.0	0.215278	Y
3	IC 240-664587/6	2.5	0.33178	25.0	922525.0	0.132712	Y
4	IC 240-664587/7	6.25	0.680858	25.0	906503.0	0.108937	Y
5	IC 240-664587/8	12.5	1.353681	25.0	929872.0	0.108294	Y
6	ICIS 240-664587/9	25.0	3.017478	25.0	945881.0	0.120699	Y
7	IC 240-664587/10	37.5	5.459159	25.0	939522.0	0.145578	Y
8	IC 240-664587/11	50.0	7.795908	25.0	983625.0	0.155918	Y
9	IC 240-664587/12	62.5	10.824396	25.0	991217.0	0.17319	Y



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Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

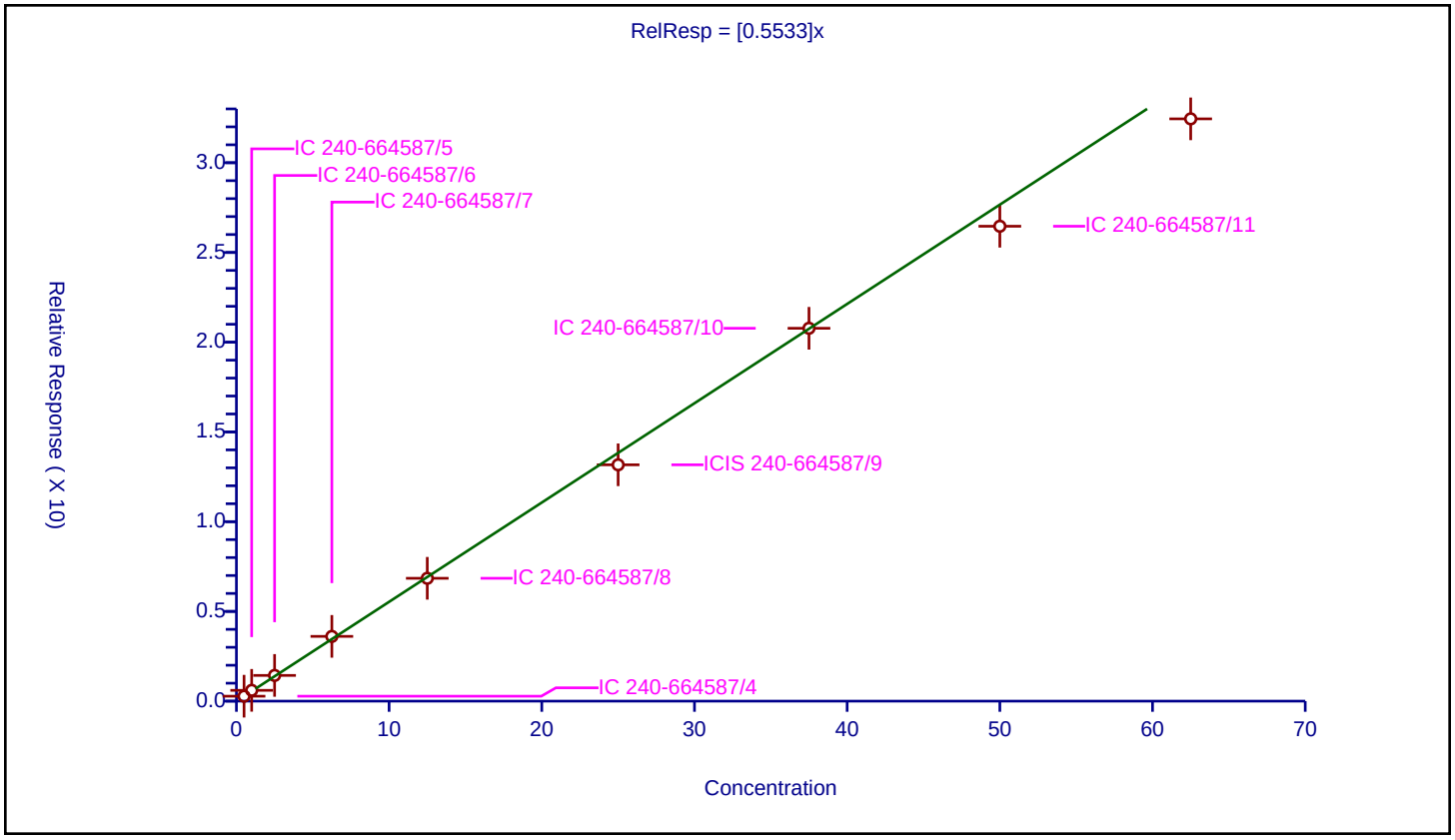
Curve Coefficients

Intercept:	0
Slope:	0.5533

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.275487	25.0	921368.0	0.550974	Y
2	IC 240-664587/5	1.0	0.601176	25.0	886180.0	0.601176	Y
3	IC 240-664587/6	2.5	1.433538	25.0	922525.0	0.573415	Y
4	IC 240-664587/7	6.25	3.60771	25.0	906503.0	0.577234	Y
5	IC 240-664587/8	12.5	6.844571	25.0	929872.0	0.547566	Y
6	ICIS 240-664587/9	25.0	13.168147	25.0	945881.0	0.526726	Y
7	IC 240-664587/10	37.5	20.775751	25.0	939522.0	0.55402	Y
8	IC 240-664587/11	50.0	26.460618	25.0	983625.0	0.529212	Y
9	IC 240-664587/12	62.5	32.444485	25.0	991217.0	0.519112	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

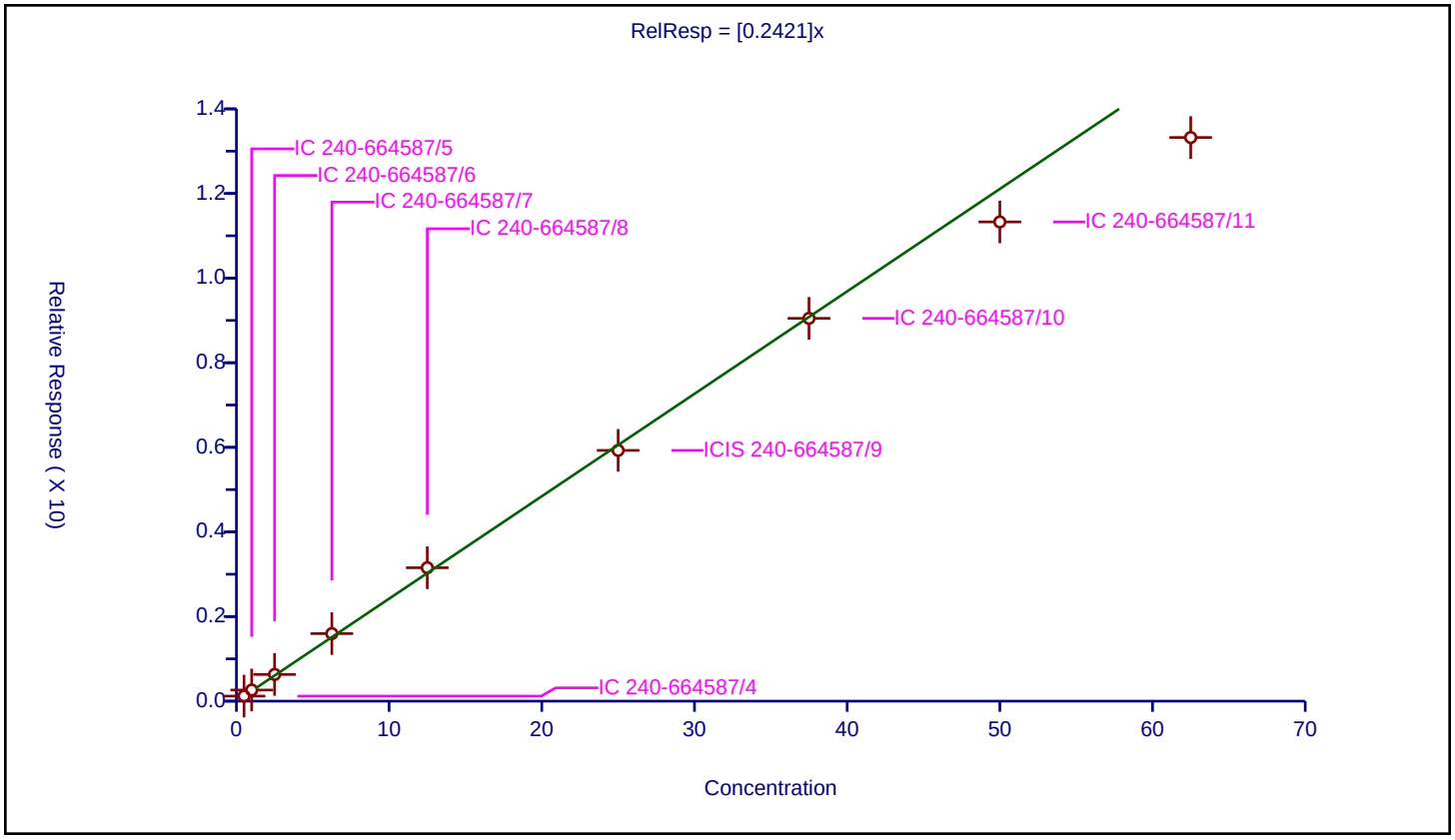
Curve Coefficients

Intercept:	0
Slope:	0.2421

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.119116	25.0	921368.0	0.238233	Y
2	IC 240-664587/5	1.0	0.262672	25.0	886180.0	0.262672	Y
3	IC 240-664587/6	2.5	0.631338	25.0	922525.0	0.252535	Y
4	IC 240-664587/7	6.25	1.596878	25.0	906503.0	0.255501	Y
5	IC 240-664587/8	12.5	3.153176	25.0	929872.0	0.252254	Y
6	ICIS 240-664587/9	25.0	5.927014	25.0	945881.0	0.237081	Y
7	IC 240-664587/10	37.5	9.049149	25.0	939522.0	0.241311	Y
8	IC 240-664587/11	50.0	11.328276	25.0	983625.0	0.226566	Y
9	IC 240-664587/12	62.5	13.323495	25.0	991217.0	0.213176	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

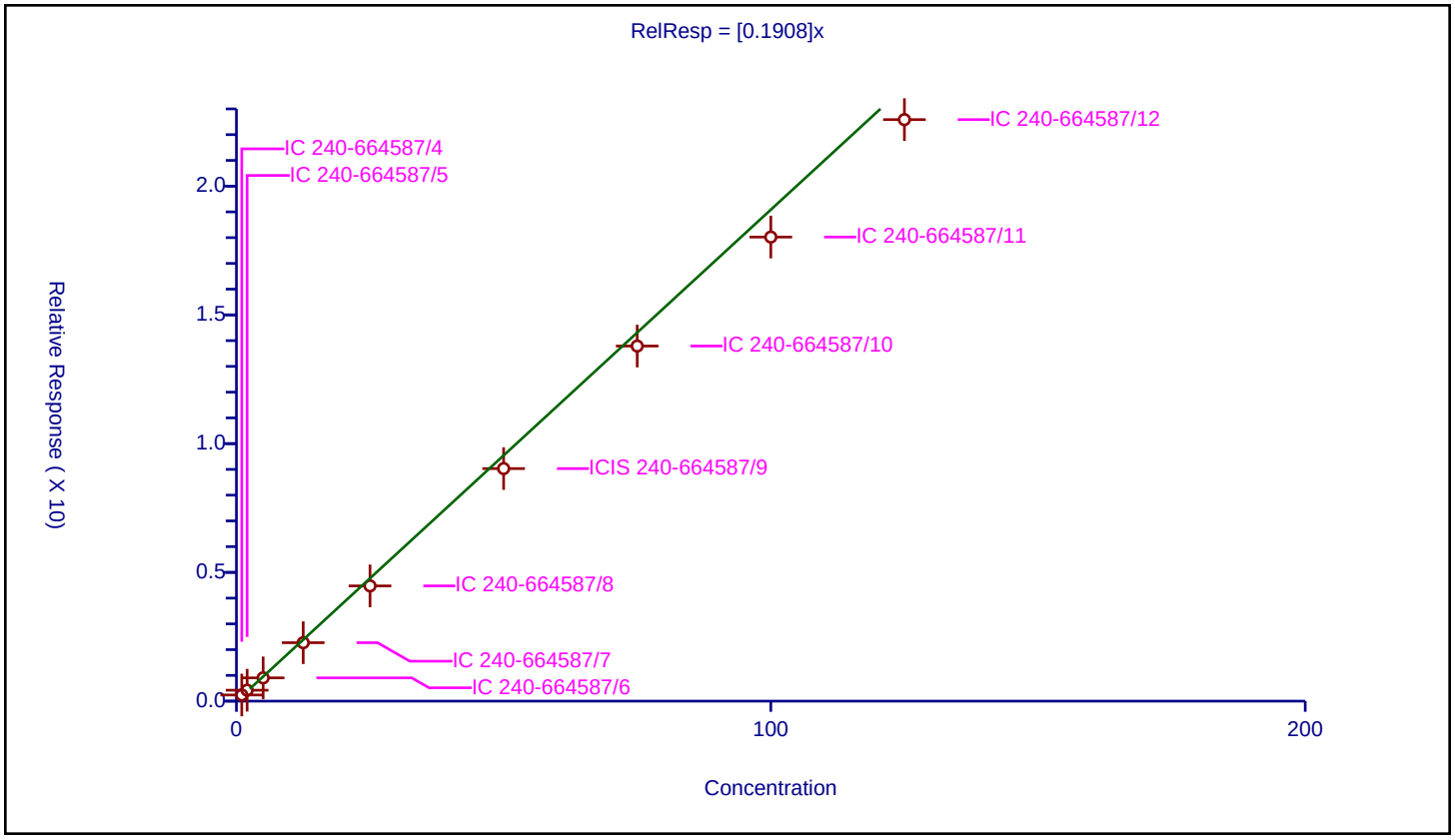
Curve Coefficients

Intercept:	0
Slope:	0.1908

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	1.0	0.23864	25.0	921368.0	0.23864	Y
2	IC 240-664587/5	2.0	0.424773	25.0	886180.0	0.212386	Y
3	IC 240-664587/6	5.0	0.903011	25.0	922525.0	0.180602	Y
4	IC 240-664587/7	12.5	2.269684	25.0	906503.0	0.181575	Y
5	IC 240-664587/8	25.0	4.475401	25.0	929872.0	0.179016	Y
6	ICIS 240-664587/9	50.0	9.031765	25.0	945881.0	0.180635	Y
7	IC 240-664587/10	75.0	13.790417	25.0	939522.0	0.183872	Y
8	IC 240-664587/11	100.0	18.022417	25.0	983625.0	0.180224	Y
9	IC 240-664587/12	125.0	22.583501	25.0	991217.0	0.180668	Y



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Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

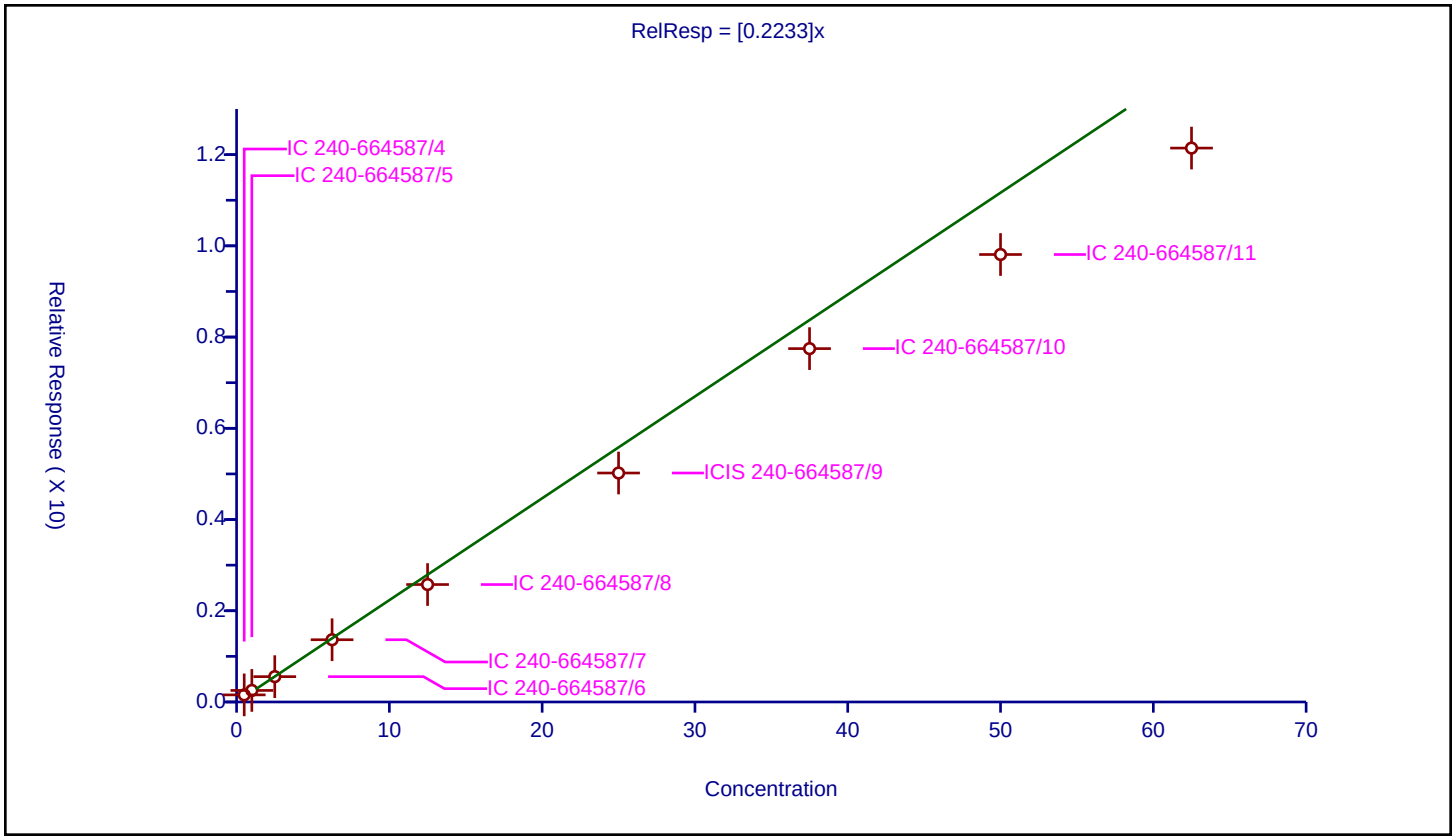
Curve Coefficients

Intercept:	0
Slope:	0.2233

Error Coefficients

Relative Standard Deviation:	16.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.155665	25.0	921368.0	0.311331	Y
2	IC 240-664587/5	1.0	0.253617	25.0	886180.0	0.253617	Y
3	IC 240-664587/6	2.5	0.555947	25.0	922525.0	0.222379	Y
4	IC 240-664587/7	6.25	1.365026	25.0	906503.0	0.218404	Y
5	IC 240-664587/8	12.5	2.575247	25.0	929872.0	0.20602	Y
6	ICIS 240-664587/9	25.0	5.019659	25.0	945881.0	0.200786	Y
7	IC 240-664587/10	37.5	7.746918	25.0	939522.0	0.206584	Y
8	IC 240-664587/11	50.0	9.810141	25.0	983625.0	0.196203	Y
9	IC 240-664587/12	62.5	12.143784	25.0	991217.0	0.194301	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

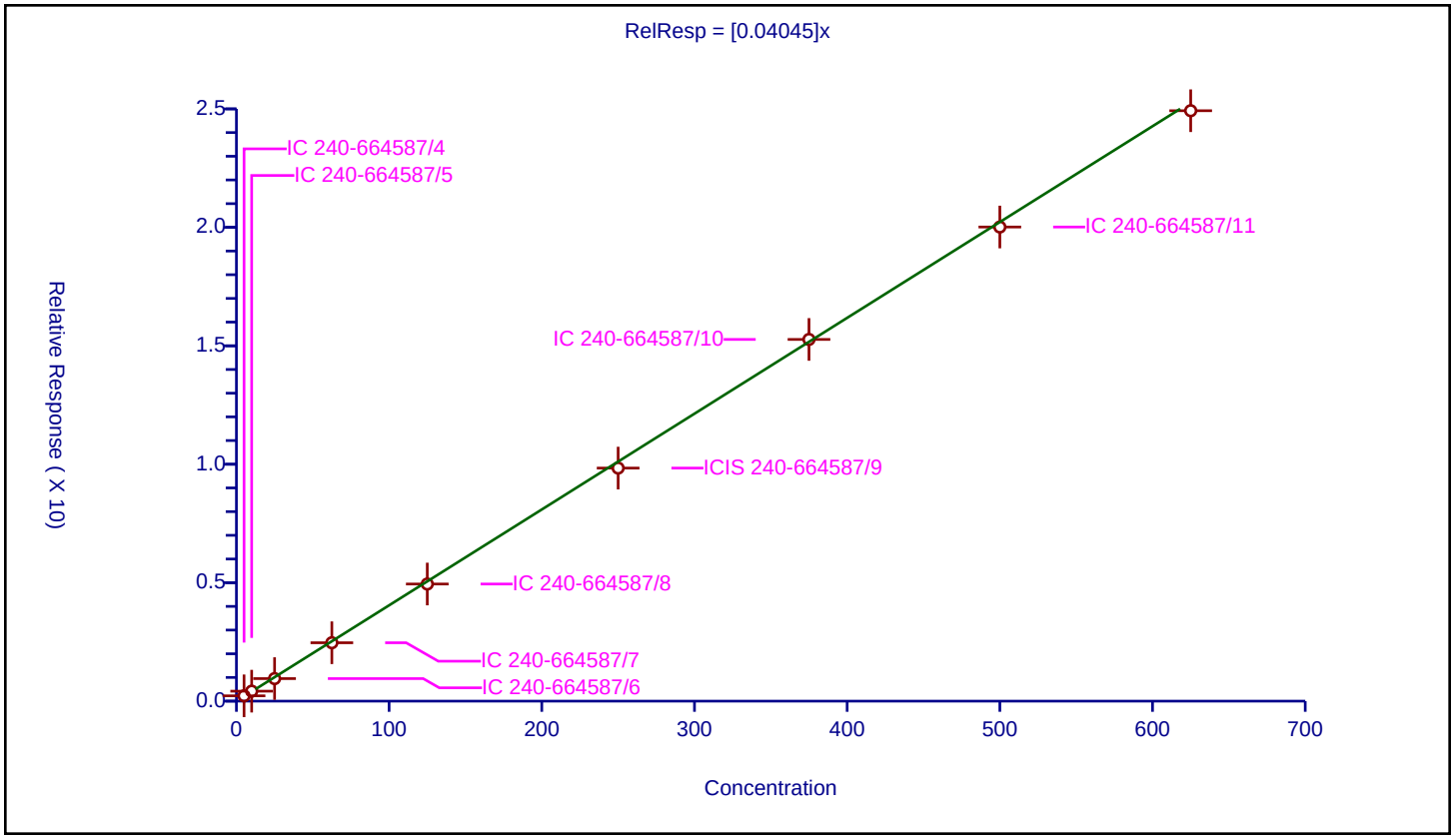
Curve Coefficients

Intercept:	0
Slope:	0.04045

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	5.0	0.224205	25.0	921368.0	0.044841	Y
2	IC 240-664587/5	10.0	0.421246	25.0	886180.0	0.042125	Y
3	IC 240-664587/6	25.0	0.952251	25.0	922525.0	0.03809	Y
4	IC 240-664587/7	62.5	2.465243	25.0	906503.0	0.039444	Y
5	IC 240-664587/8	125.0	4.943691	25.0	929872.0	0.03955	Y
6	ICIS 240-664587/9	250.0	9.837601	25.0	945881.0	0.03935	Y
7	IC 240-664587/10	375.0	15.267844	25.0	939522.0	0.040714	Y
8	IC 240-664587/11	500.0	20.01375	25.0	983625.0	0.040028	Y
9	IC 240-664587/12	625.0	24.922393	25.0	991217.0	0.039876	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

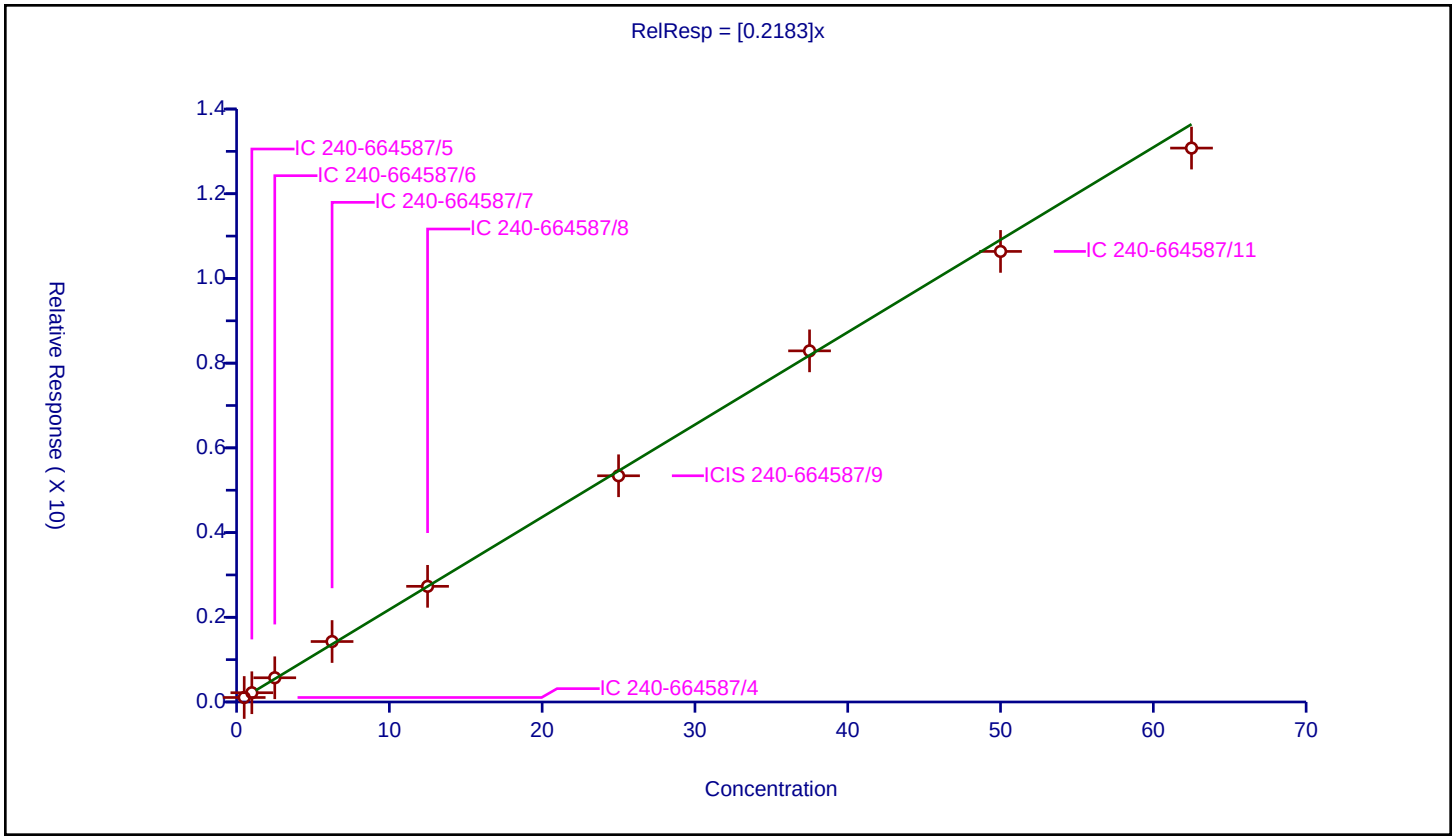
Curve Coefficients

Intercept:	0
Slope:	0.2183

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.106391	25.0	921368.0	0.212781	Y
2	IC 240-664587/5	1.0	0.219086	25.0	886180.0	0.219086	Y
3	IC 240-664587/6	2.5	0.572125	25.0	922525.0	0.22885	Y
4	IC 240-664587/7	6.25	1.427657	25.0	906503.0	0.228425	Y
5	IC 240-664587/8	12.5	2.730779	25.0	929872.0	0.218462	Y
6	ICIS 240-664587/9	25.0	5.34129	25.0	945881.0	0.213652	Y
7	IC 240-664587/10	37.5	8.28988	25.0	939522.0	0.221063	Y
8	IC 240-664587/11	50.0	10.637972	25.0	983625.0	0.212759	Y
9	IC 240-664587/12	62.5	13.077611	25.0	991217.0	0.209242	Y



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Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

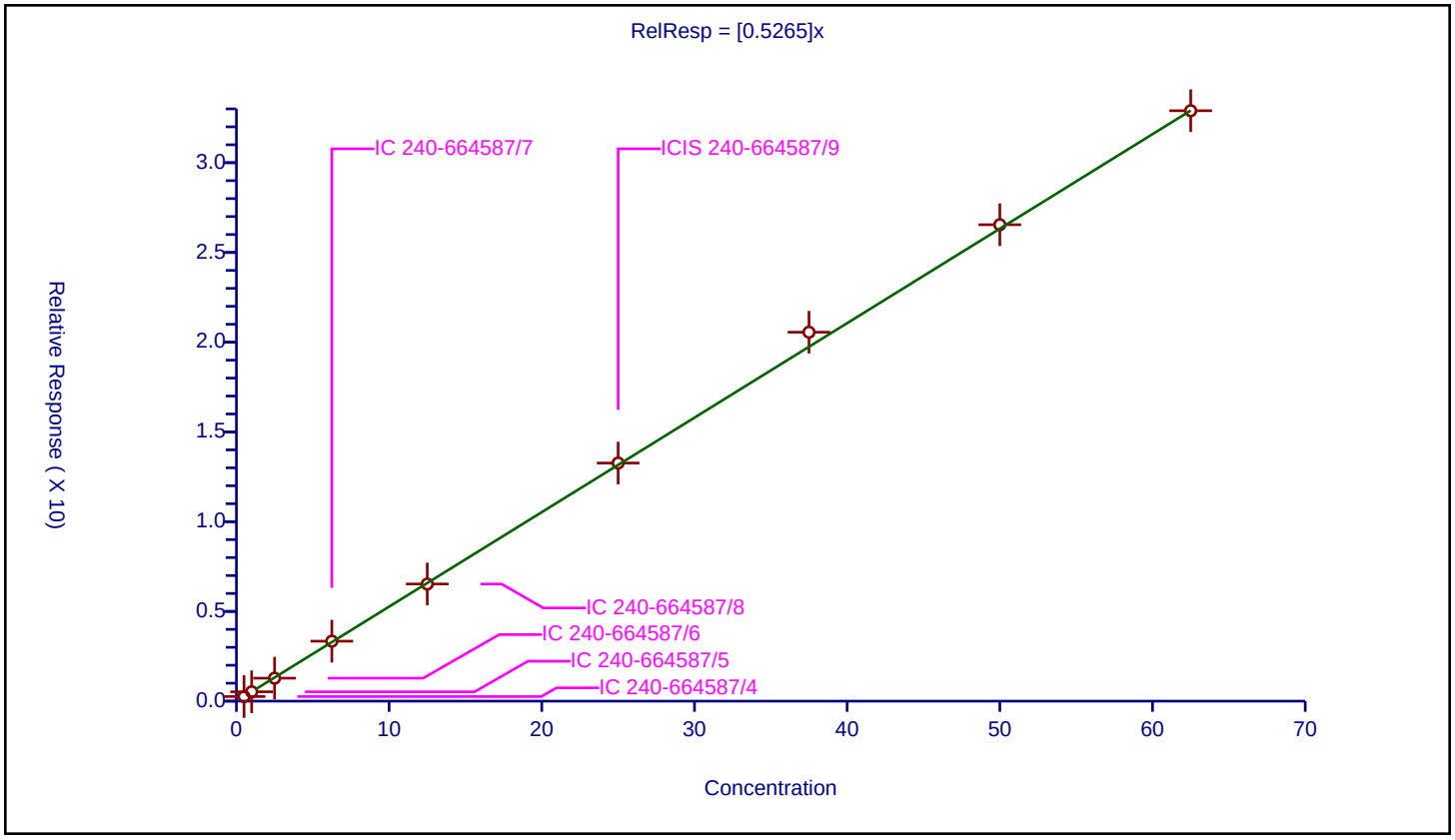
Curve Coefficients

Intercept:	0
Slope:	0.5265

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.255652	25.0	921368.0	0.511305	Y
2	IC 240-664587/5	1.0	0.522129	25.0	886180.0	0.522129	Y
3	IC 240-664587/6	2.5	1.280534	25.0	922525.0	0.512214	Y
4	IC 240-664587/7	6.25	3.341715	25.0	906503.0	0.534674	Y
5	IC 240-664587/8	12.5	6.527673	25.0	929872.0	0.522214	Y
6	ICIS 240-664587/9	25.0	13.266679	25.0	945881.0	0.530667	Y
7	IC 240-664587/10	37.5	20.5583	25.0	939522.0	0.548221	Y
8	IC 240-664587/11	50.0	26.546219	25.0	983625.0	0.530924	Y
9	IC 240-664587/12	62.5	32.897085	25.0	991217.0	0.526353	Y



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Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

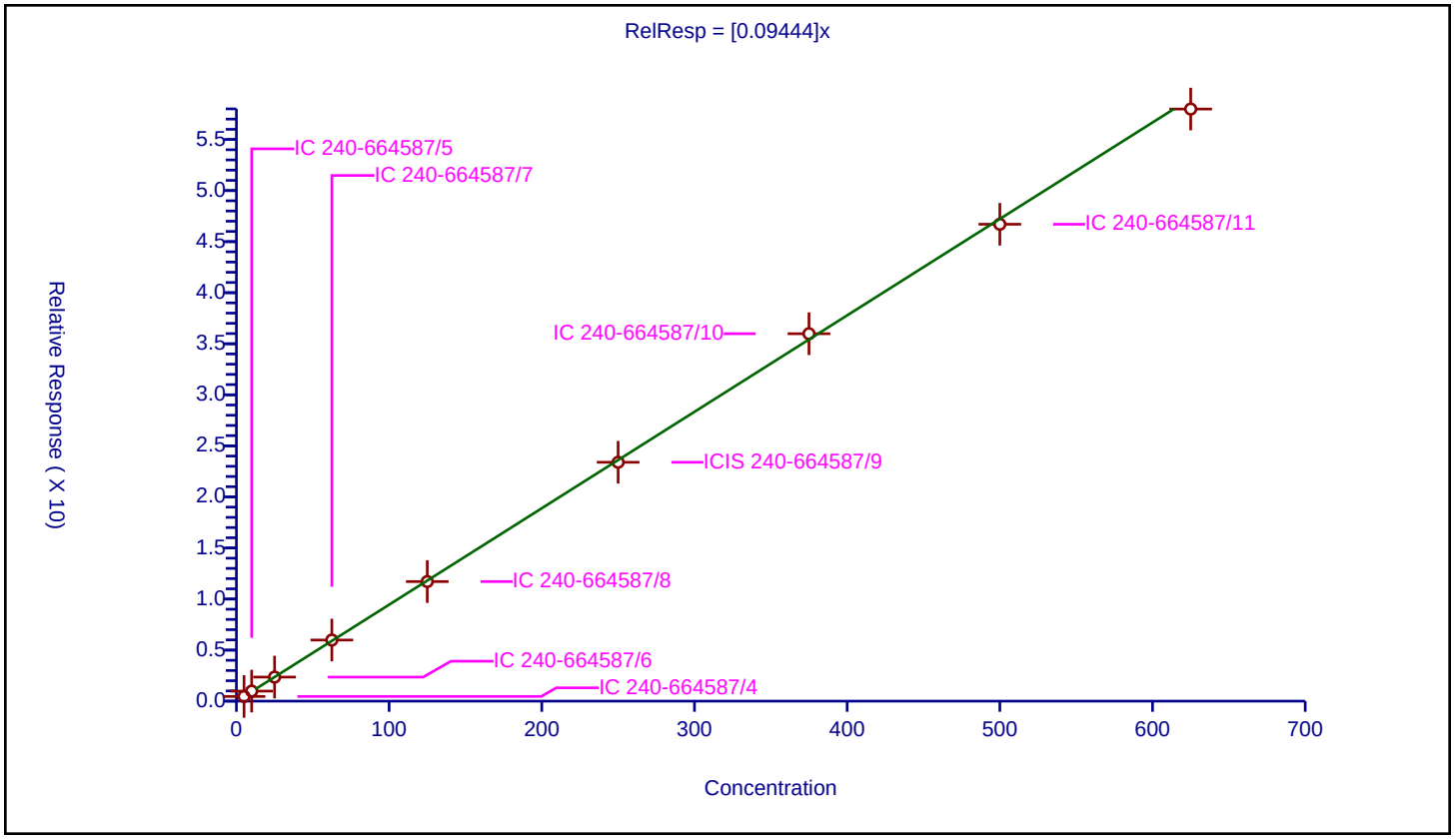
Curve Coefficients

Intercept:	0
Slope:	0.09444

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	5.0	0.461379	25.0	921368.0	0.092276	Y
2	IC 240-664587/5	10.0	0.983491	25.0	886180.0	0.098349	Y
3	IC 240-664587/6	25.0	2.356196	25.0	922525.0	0.094248	Y
4	IC 240-664587/7	62.5	5.984178	25.0	906503.0	0.095747	Y
5	IC 240-664587/8	125.0	11.709569	25.0	929872.0	0.093677	Y
6	ICIS 240-664587/9	250.0	23.393191	25.0	945881.0	0.093573	Y
7	IC 240-664587/10	375.0	35.982287	25.0	939522.0	0.095953	Y
8	IC 240-664587/11	500.0	46.703978	25.0	983625.0	0.093408	Y
9	IC 240-664587/12	625.0	57.984553	25.0	991217.0	0.092775	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

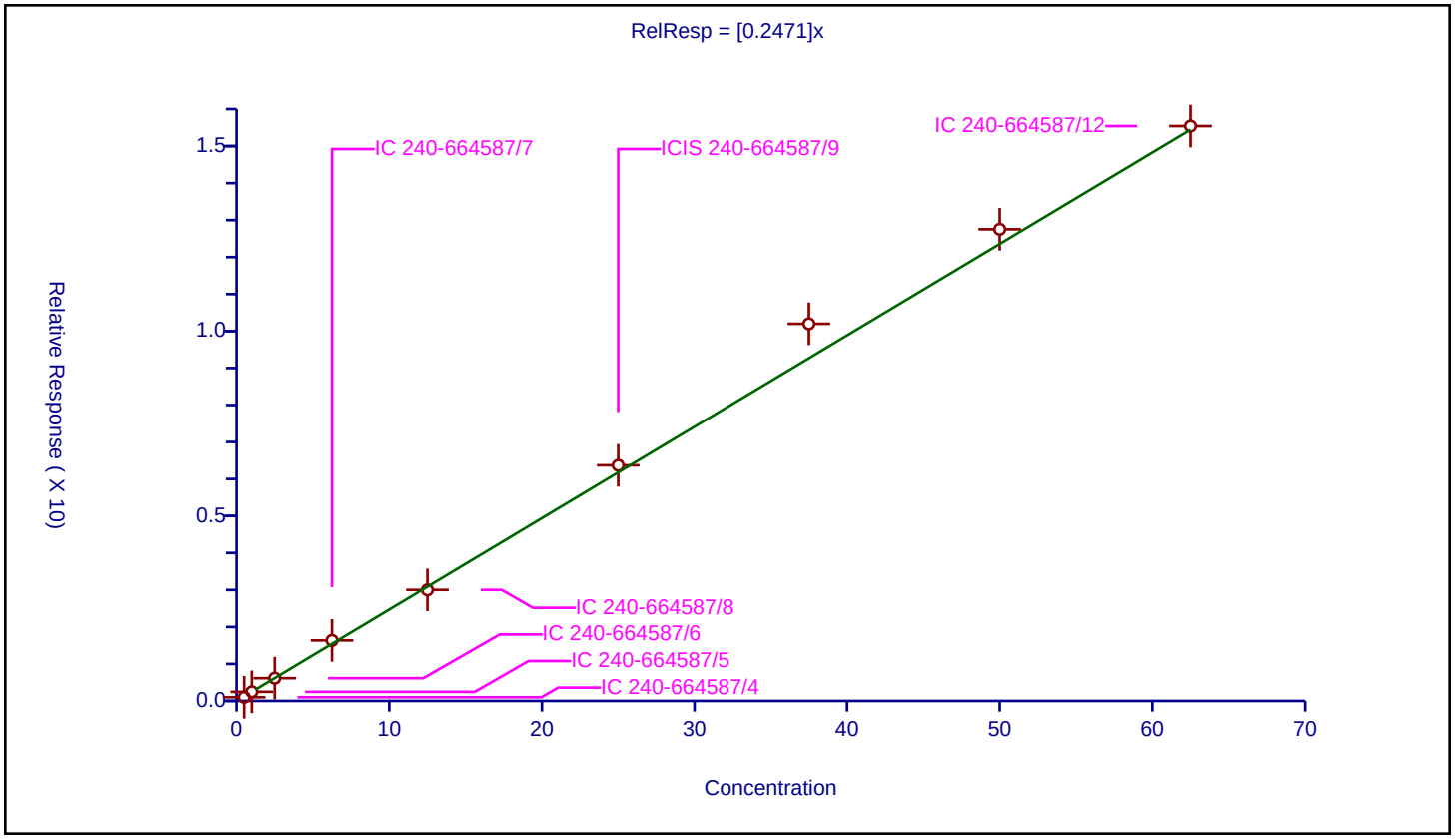
Curve Coefficients

Intercept:	0
Slope:	0.2471

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.099227	25.0	921368.0	0.198455	Y
2	IC 240-664587/5	1.0	0.24679	25.0	886180.0	0.24679	Y
3	IC 240-664587/6	2.5	0.615241	25.0	922525.0	0.246096	Y
4	IC 240-664587/7	6.25	1.637391	25.0	906503.0	0.261983	Y
5	IC 240-664587/8	12.5	3.002483	25.0	929872.0	0.240199	Y
6	ICIS 240-664587/9	25.0	6.369908	25.0	945881.0	0.254796	Y
7	IC 240-664587/10	37.5	10.196781	25.0	939522.0	0.271914	Y
8	IC 240-664587/11	50.0	12.752014	25.0	983625.0	0.25504	Y
9	IC 240-664587/12	62.5	15.540971	25.0	991217.0	0.248656	Y



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Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

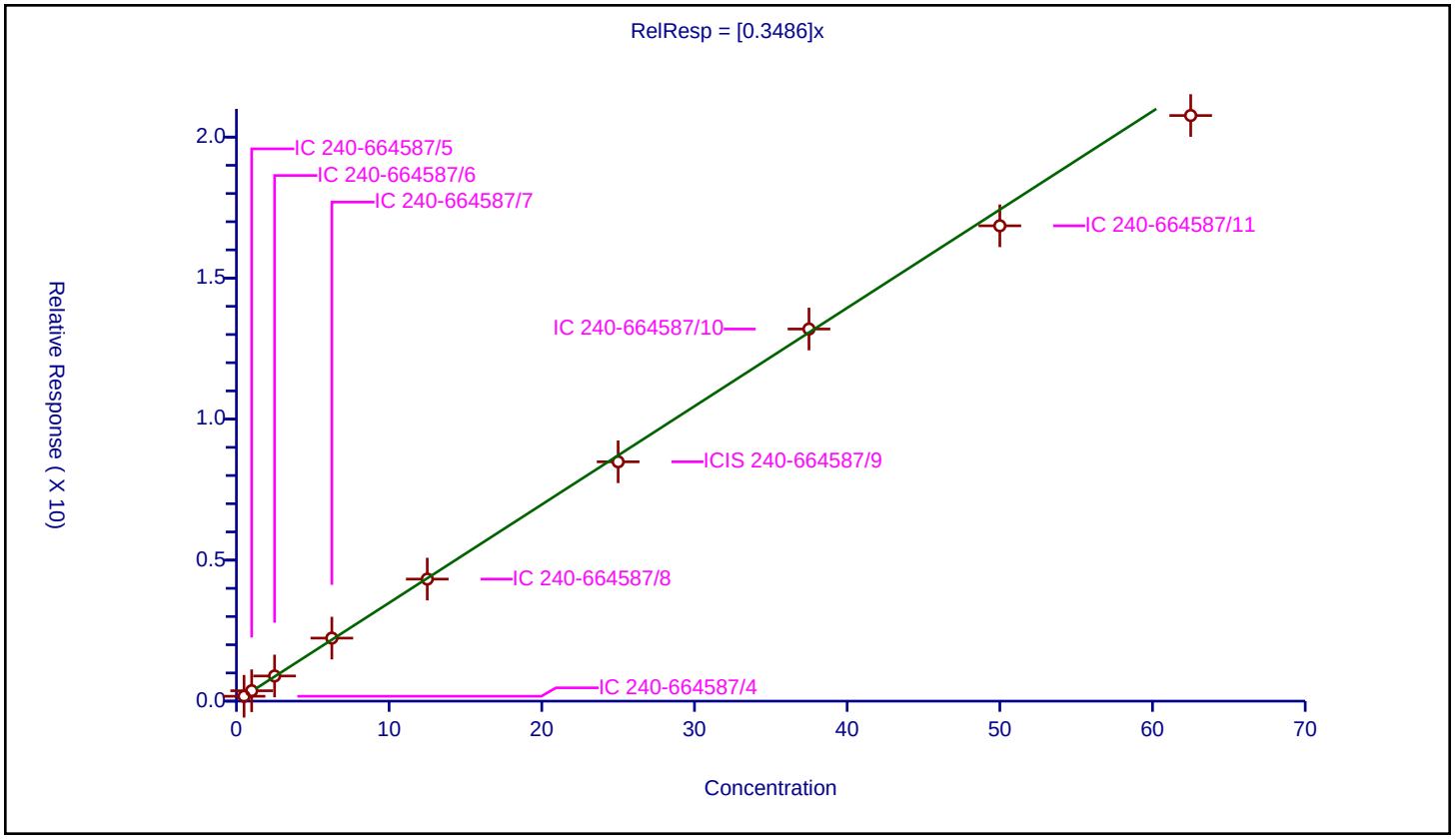
Curve Coefficients

Intercept:	0
Slope:	0.3486

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.173465	25.0	921368.0	0.34693	Y
2	IC 240-664587/5	1.0	0.369056	25.0	886180.0	0.369056	Y
3	IC 240-664587/6	2.5	0.891575	25.0	922525.0	0.35663	Y
4	IC 240-664587/7	6.25	2.235017	25.0	906503.0	0.357603	Y
5	IC 240-664587/8	12.5	4.32737	25.0	929872.0	0.34619	Y
6	ICIS 240-664587/9	25.0	8.486691	25.0	945881.0	0.339468	Y
7	IC 240-664587/10	37.5	13.194821	25.0	939522.0	0.351862	Y
8	IC 240-664587/11	50.0	16.85467	25.0	983625.0	0.337093	Y
9	IC 240-664587/12	62.5	20.7646	25.0	991217.0	0.332234	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

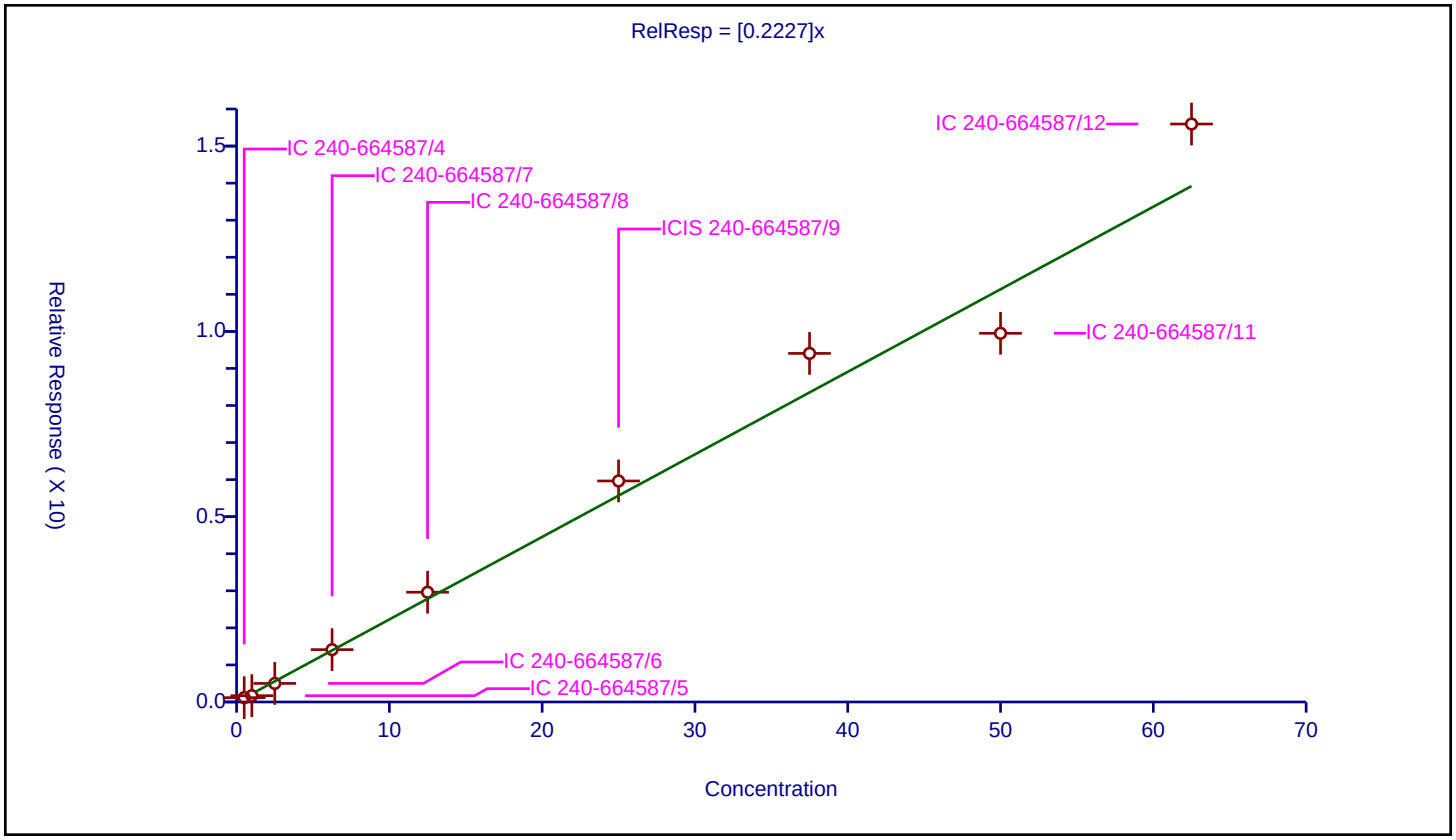
Curve Coefficients

Intercept:	0
Slope:	0.2227

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.116674	25.0	921368.0	0.233349	Y
2	IC 240-664587/5	1.0	0.16983	25.0	886180.0	0.16983	Y
3	IC 240-664587/6	2.5	0.50107	25.0	922525.0	0.200428	Y
4	IC 240-664587/7	6.25	1.412626	25.0	906503.0	0.22602	Y
5	IC 240-664587/8	12.5	2.962128	25.0	929872.0	0.23697	Y
6	ICIS 240-664587/9	25.0	5.963752	25.0	945881.0	0.23855	Y
7	IC 240-664587/10	37.5	9.405687	25.0	939522.0	0.250818	Y
8	IC 240-664587/11	50.0	9.947693	25.0	983625.0	0.198954	Y
9	IC 240-664587/12	62.5	15.594567	25.0	991217.0	0.249513	Y



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Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

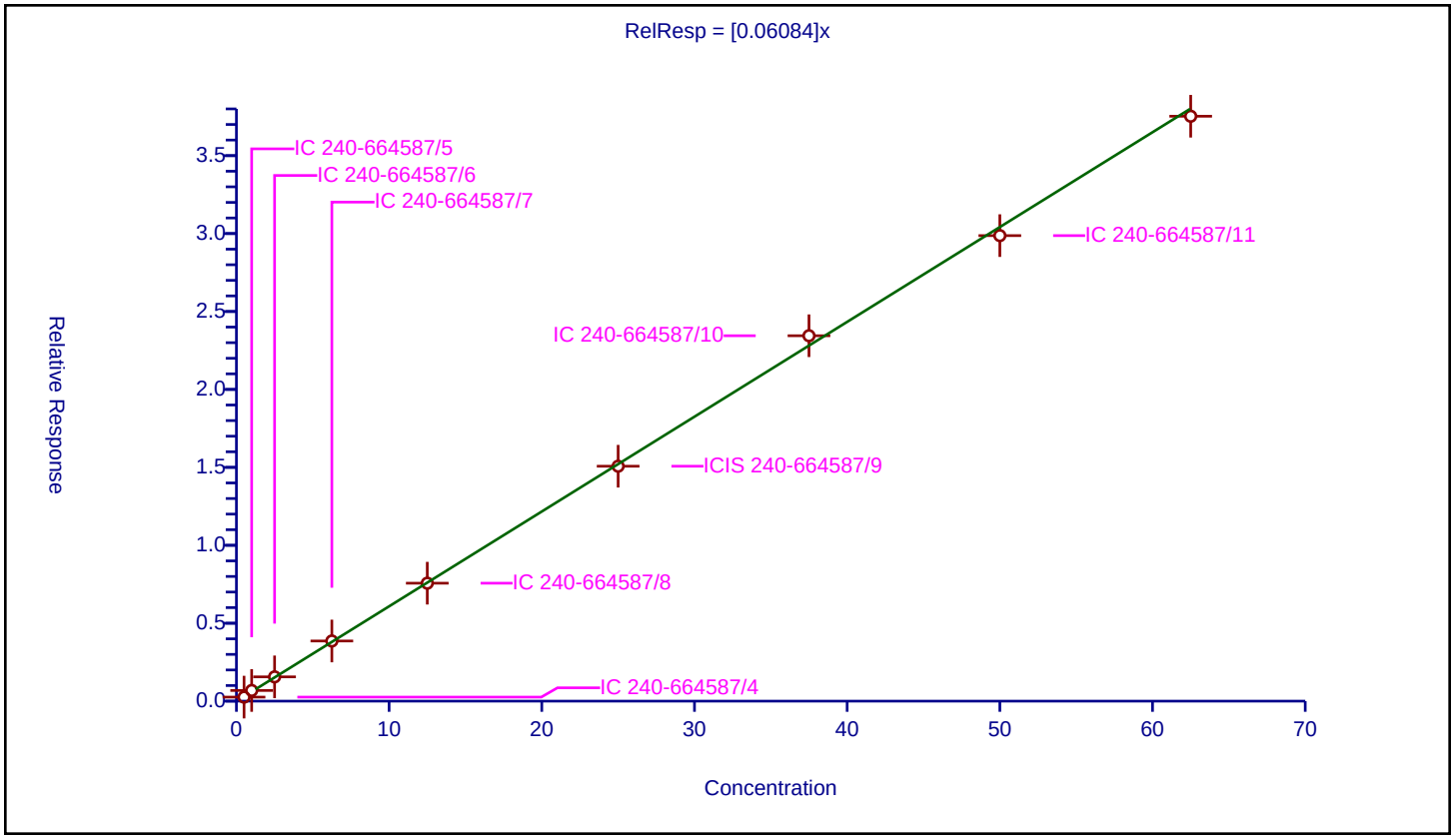
Curve Coefficients

Intercept:	0
Slope:	0.06084

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.02594	25.0	921368.0	0.051879	Y
2	IC 240-664587/5	1.0	0.068468	25.0	886180.0	0.068468	Y
3	IC 240-664587/6	2.5	0.155687	25.0	922525.0	0.062275	Y
4	IC 240-664587/7	6.25	0.385961	25.0	906503.0	0.061754	Y
5	IC 240-664587/8	12.5	0.756744	25.0	929872.0	0.06054	Y
6	ICIS 240-664587/9	25.0	1.507404	25.0	945881.0	0.060296	Y
7	IC 240-664587/10	37.5	2.344517	25.0	939522.0	0.06252	Y
8	IC 240-664587/11	50.0	2.986936	25.0	983625.0	0.059739	Y
9	IC 240-664587/12	62.5	3.752861	25.0	991217.0	0.060046	Y



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Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

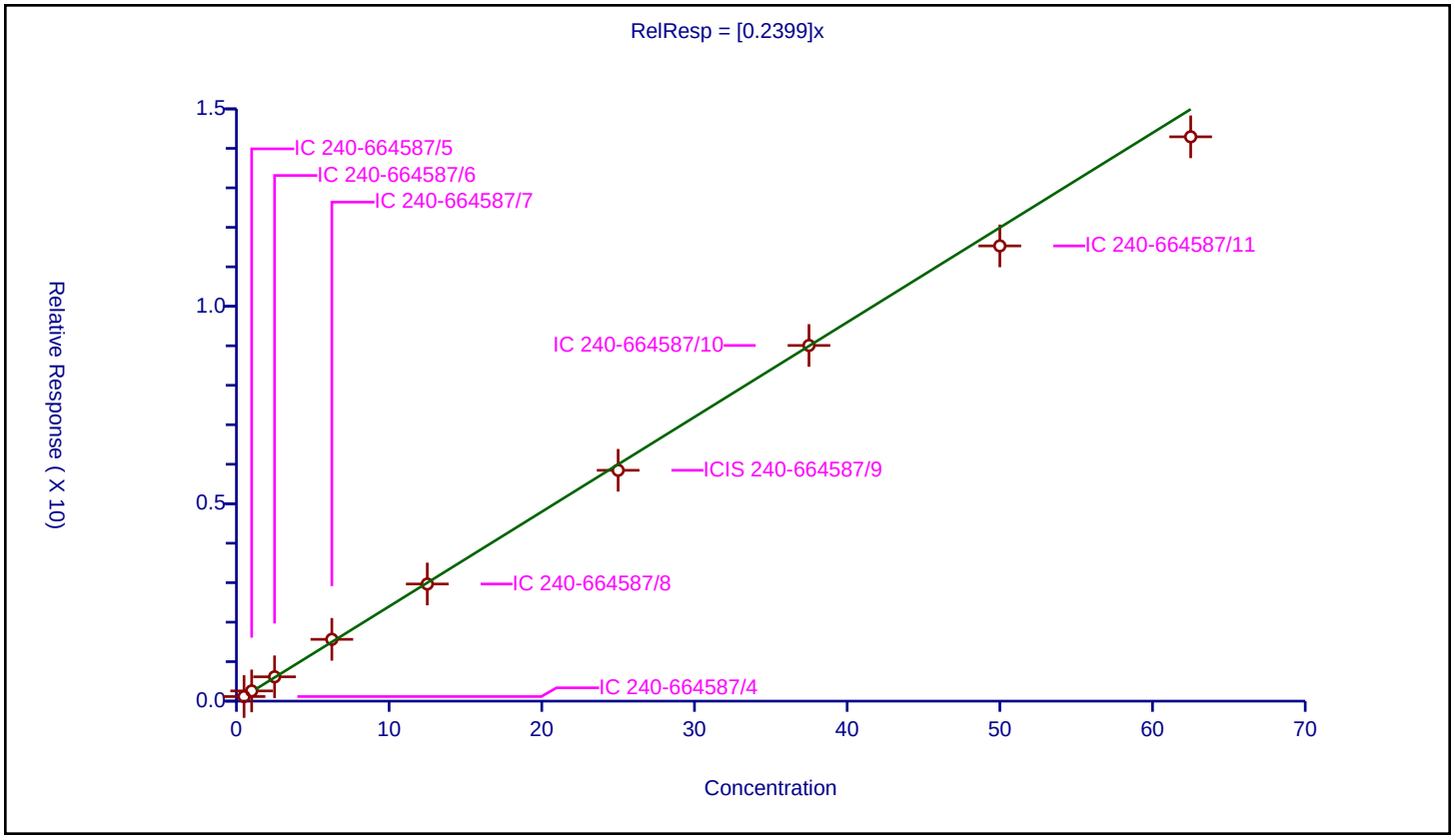
Curve Coefficients

Intercept:	0
Slope:	0.2399

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.11605	25.0	921368.0	0.232101	Y
2	IC 240-664587/5	1.0	0.258977	25.0	886180.0	0.258977	Y
3	IC 240-664587/6	2.5	0.616081	25.0	922525.0	0.246432	Y
4	IC 240-664587/7	6.25	1.565329	25.0	906503.0	0.250453	Y
5	IC 240-664587/8	12.5	2.966967	25.0	929872.0	0.237357	Y
6	ICIS 240-664587/9	25.0	5.847062	25.0	945881.0	0.233882	Y
7	IC 240-664587/10	37.5	9.008783	25.0	939522.0	0.240234	Y
8	IC 240-664587/11	50.0	11.529699	25.0	983625.0	0.230594	Y
9	IC 240-664587/12	62.5	14.292834	25.0	991217.0	0.228685	Y



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Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

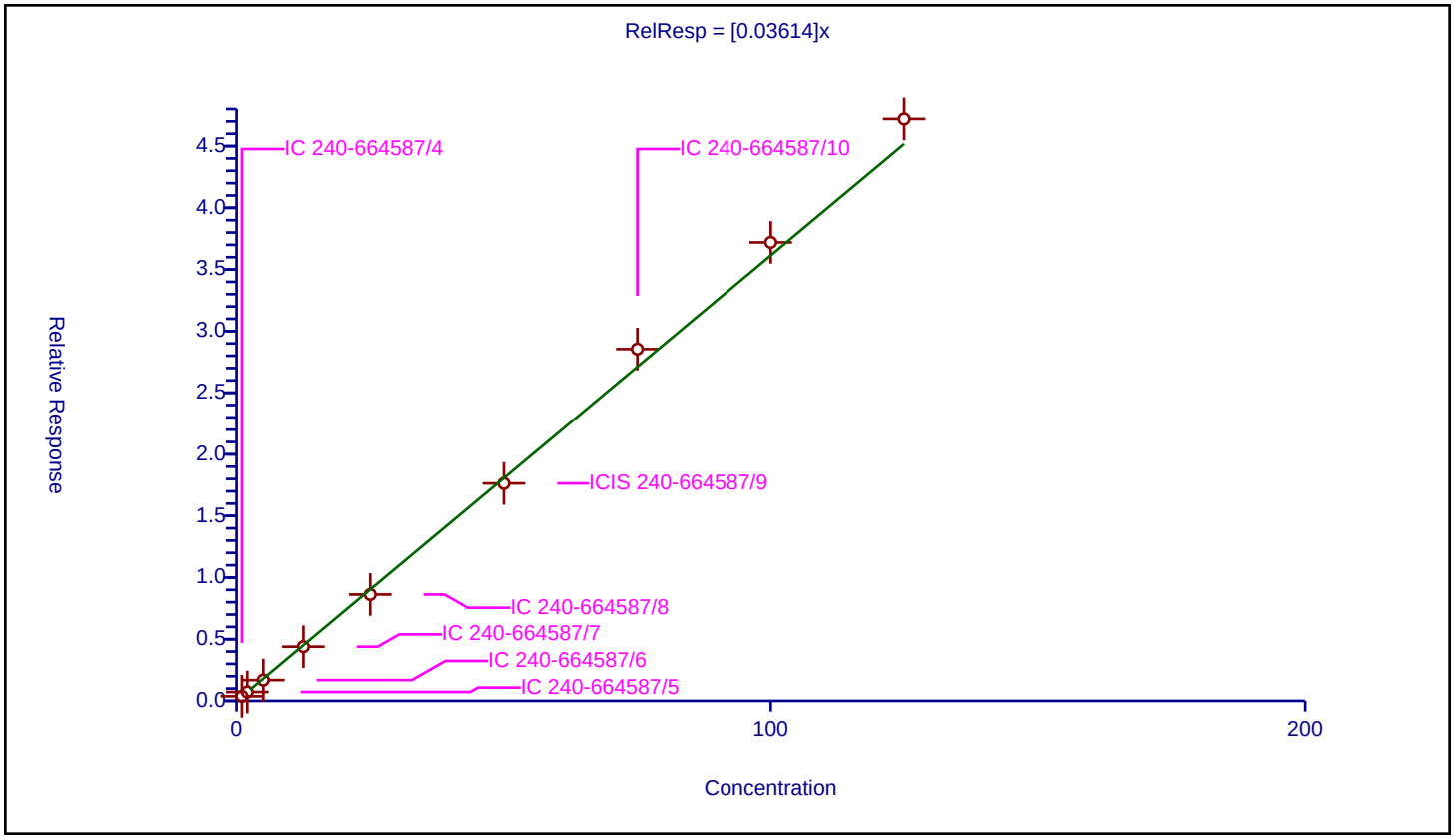
Curve Coefficients

Intercept:	0
Slope:	0.03614

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	1.0	0.037499	25.0	921368.0	0.037499	Y
2	IC 240-664587/5	2.0	0.072135	25.0	886180.0	0.036068	Y
3	IC 240-664587/6	5.0	0.16864	25.0	922525.0	0.033728	Y
4	IC 240-664587/7	12.5	0.439601	25.0	906503.0	0.035168	Y
5	IC 240-664587/8	25.0	0.862726	25.0	929872.0	0.034509	Y
6	ICIS 240-664587/9	50.0	1.763911	25.0	945881.0	0.035278	Y
7	IC 240-664587/10	75.0	2.854244	25.0	939522.0	0.038057	Y
8	IC 240-664587/11	100.0	3.719888	25.0	983625.0	0.037199	Y
9	IC 240-664587/12	125.0	4.719905	25.0	991217.0	0.037759	Y



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Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

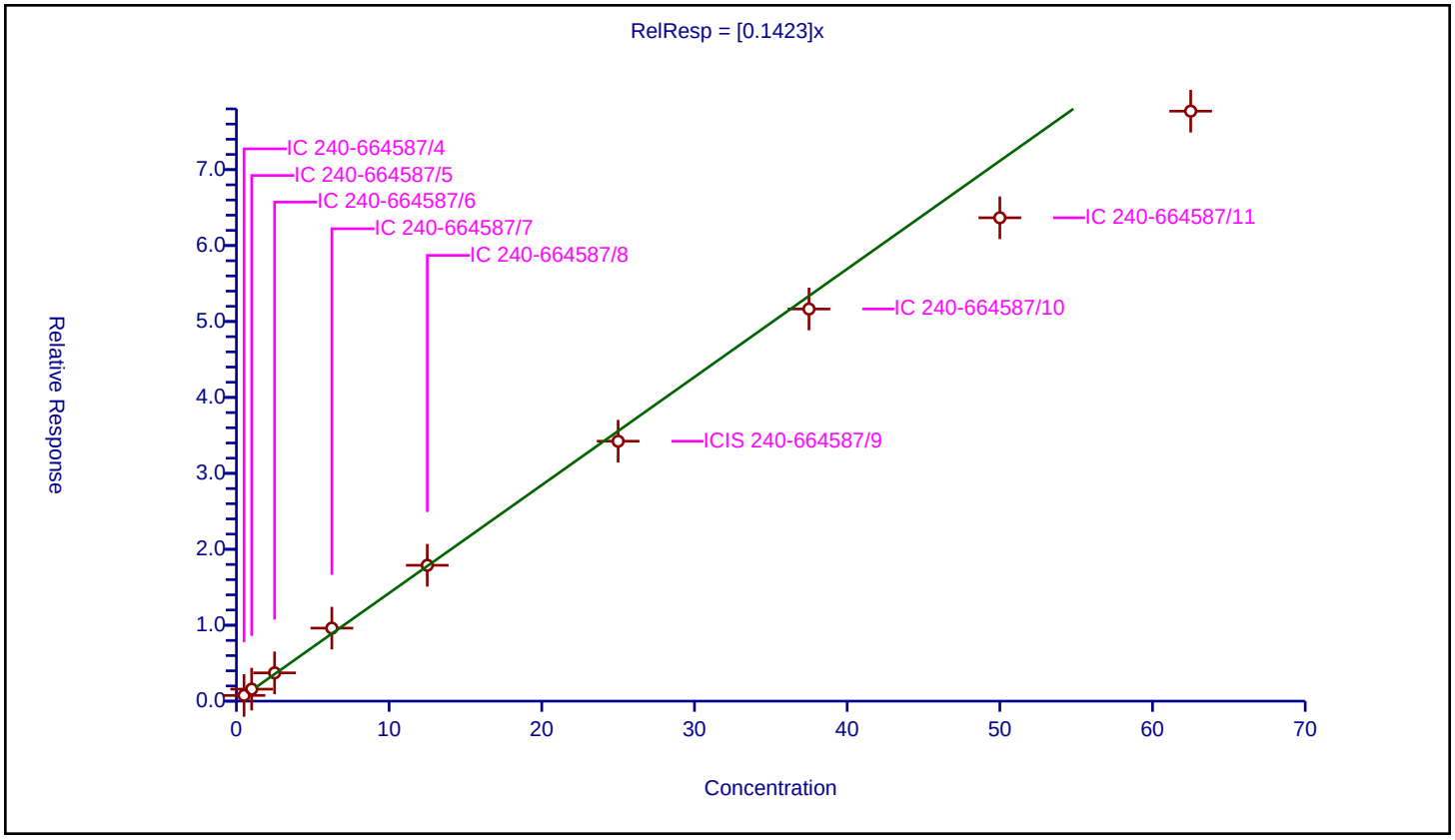
Curve Coefficients

Intercept:	0
Slope:	0.1423

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.075106	25.0	921368.0	0.150211	Y
2	IC 240-664587/5	1.0	0.158179	25.0	886180.0	0.158179	Y
3	IC 240-664587/6	2.5	0.372429	25.0	922525.0	0.148972	Y
4	IC 240-664587/7	6.25	0.961773	25.0	906503.0	0.153884	Y
5	IC 240-664587/8	12.5	1.789225	25.0	929872.0	0.143138	Y
6	ICIS 240-664587/9	25.0	3.42329	25.0	945881.0	0.136932	Y
7	IC 240-664587/10	37.5	5.164461	25.0	939522.0	0.137719	Y
8	IC 240-664587/11	50.0	6.365942	25.0	983625.0	0.127319	Y
9	IC 240-664587/12	62.5	7.77007	25.0	991217.0	0.124321	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

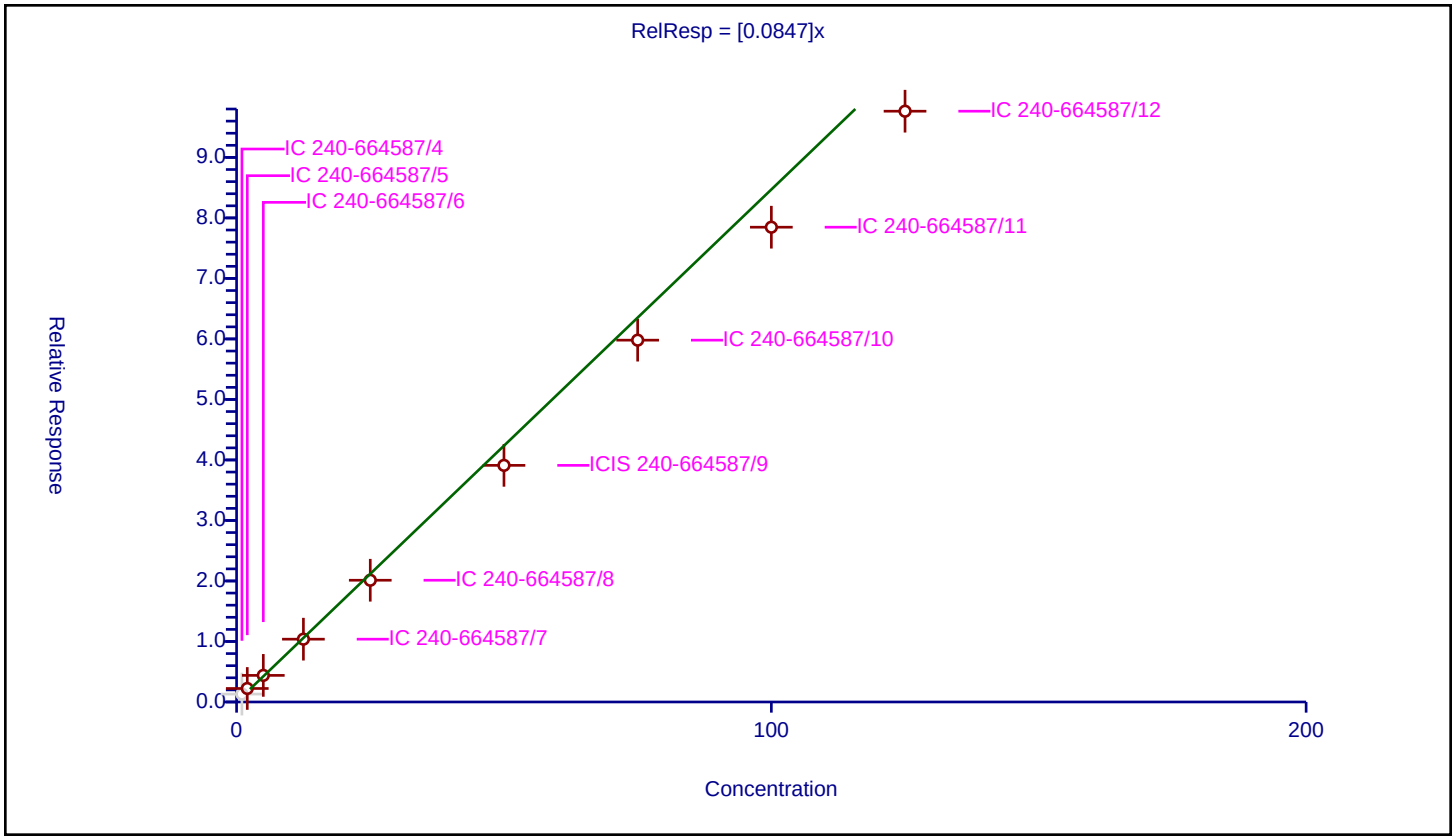
Curve Coefficients

Intercept:	0
Slope:	0.0847

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	1.0	0.130675	25.0	921368.0	0.130675	N
2	IC 240-664587/5	2.0	0.223233	25.0	886180.0	0.111617	Y
3	IC 240-664587/6	5.0	0.439717	25.0	922525.0	0.087943	Y
4	IC 240-664587/7	12.5	1.03789	25.0	906503.0	0.083031	Y
5	IC 240-664587/8	25.0	2.011944	25.0	929872.0	0.080478	Y
6	ICIS 240-664587/9	50.0	3.910693	25.0	945881.0	0.078214	Y
7	IC 240-664587/10	75.0	5.979823	25.0	939522.0	0.079731	Y
8	IC 240-664587/11	100.0	7.846562	25.0	983625.0	0.078466	Y
9	IC 240-664587/12	125.0	9.764058	25.0	991217.0	0.078112	Y



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Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

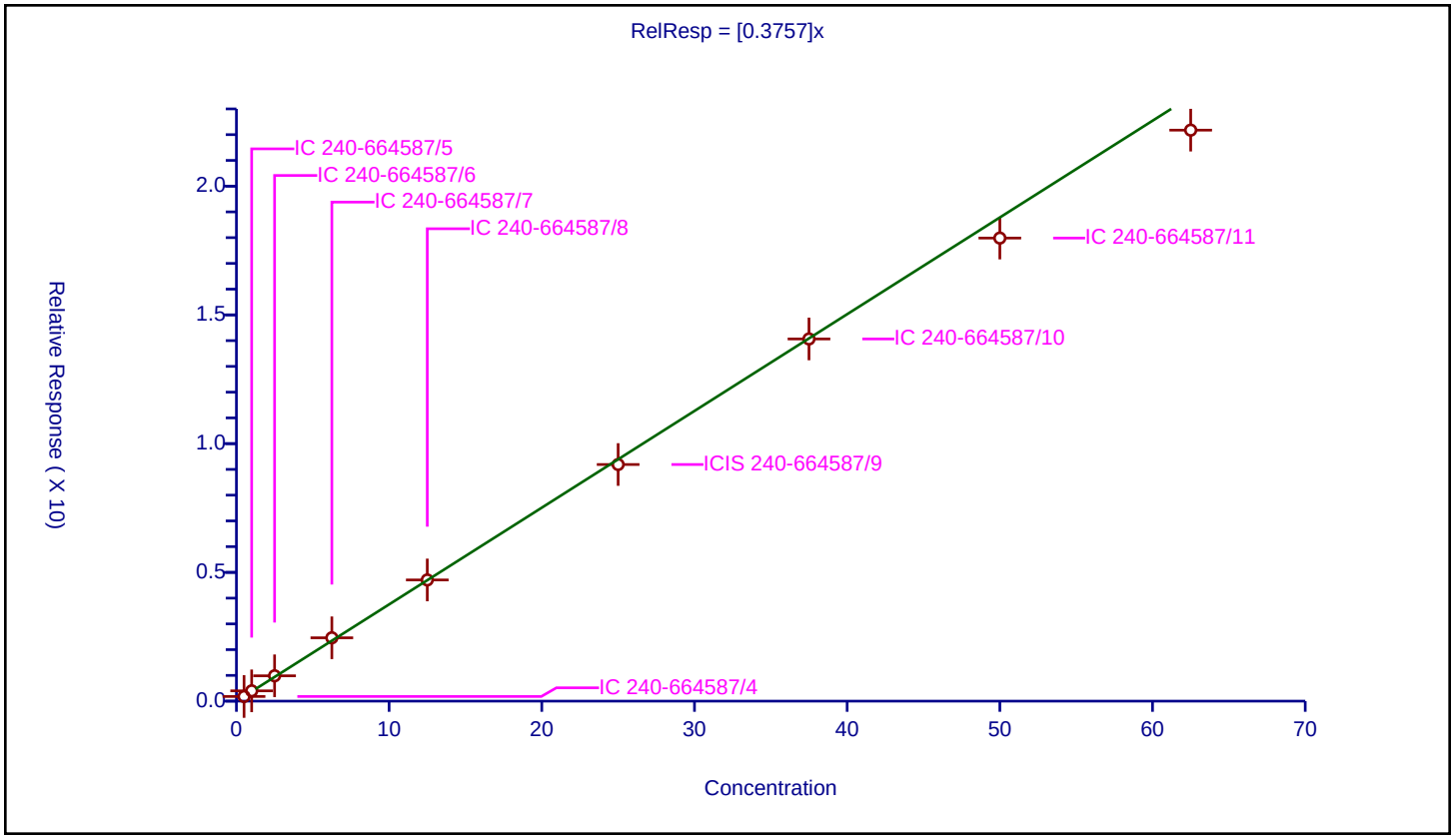
Curve Coefficients

Intercept:	0
Slope:	0.3757

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.180221	25.0	921368.0	0.360442	Y
2	IC 240-664587/5	1.0	0.399467	25.0	886180.0	0.399467	Y
3	IC 240-664587/6	2.5	0.984282	25.0	922525.0	0.393713	Y
4	IC 240-664587/7	6.25	2.459975	25.0	906503.0	0.393596	Y
5	IC 240-664587/8	12.5	4.706992	25.0	929872.0	0.376559	Y
6	ICIS 240-664587/9	25.0	9.18966	25.0	945881.0	0.367586	Y
7	IC 240-664587/10	37.5	14.065583	25.0	939522.0	0.375082	Y
8	IC 240-664587/11	50.0	17.982971	25.0	983625.0	0.359659	Y
9	IC 240-664587/12	62.5	22.175013	25.0	991217.0	0.3548	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

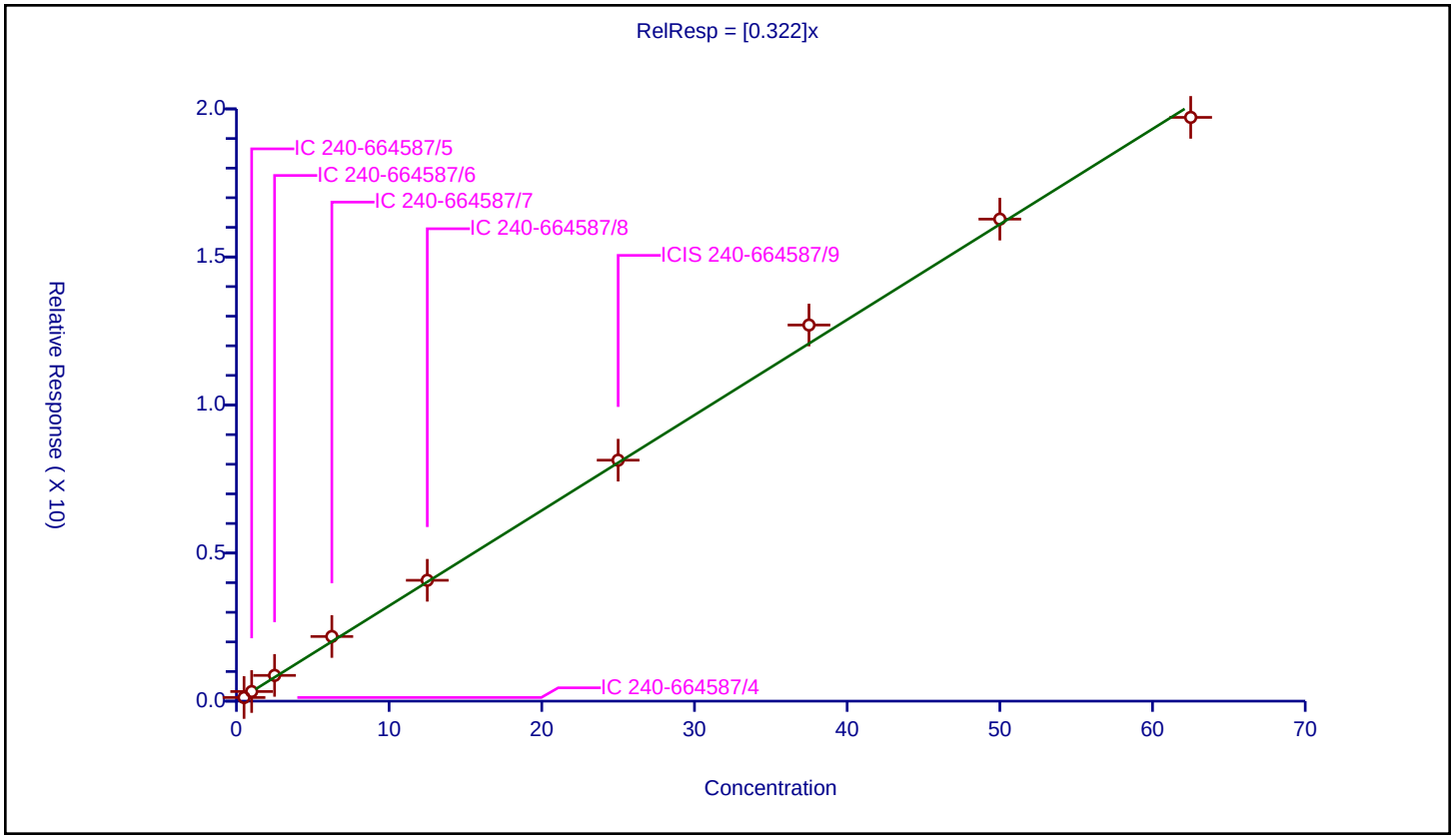
Curve Coefficients

Intercept:	0
Slope:	0.322

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.122345	25.0	921368.0	0.244691	Y
2	IC 240-664587/5	1.0	0.324793	25.0	886180.0	0.324793	Y
3	IC 240-664587/6	2.5	0.869489	25.0	922525.0	0.347795	Y
4	IC 240-664587/7	6.25	2.183777	25.0	906503.0	0.349404	Y
5	IC 240-664587/8	12.5	4.08075	25.0	929872.0	0.32646	Y
6	ICIS 240-664587/9	25.0	8.137334	25.0	945881.0	0.325493	Y
7	IC 240-664587/10	37.5	12.701512	25.0	939522.0	0.338707	Y
8	IC 240-664587/11	50.0	16.277418	25.0	983625.0	0.325548	Y
9	IC 240-664587/12	62.5	19.712888	25.0	991217.0	0.315406	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

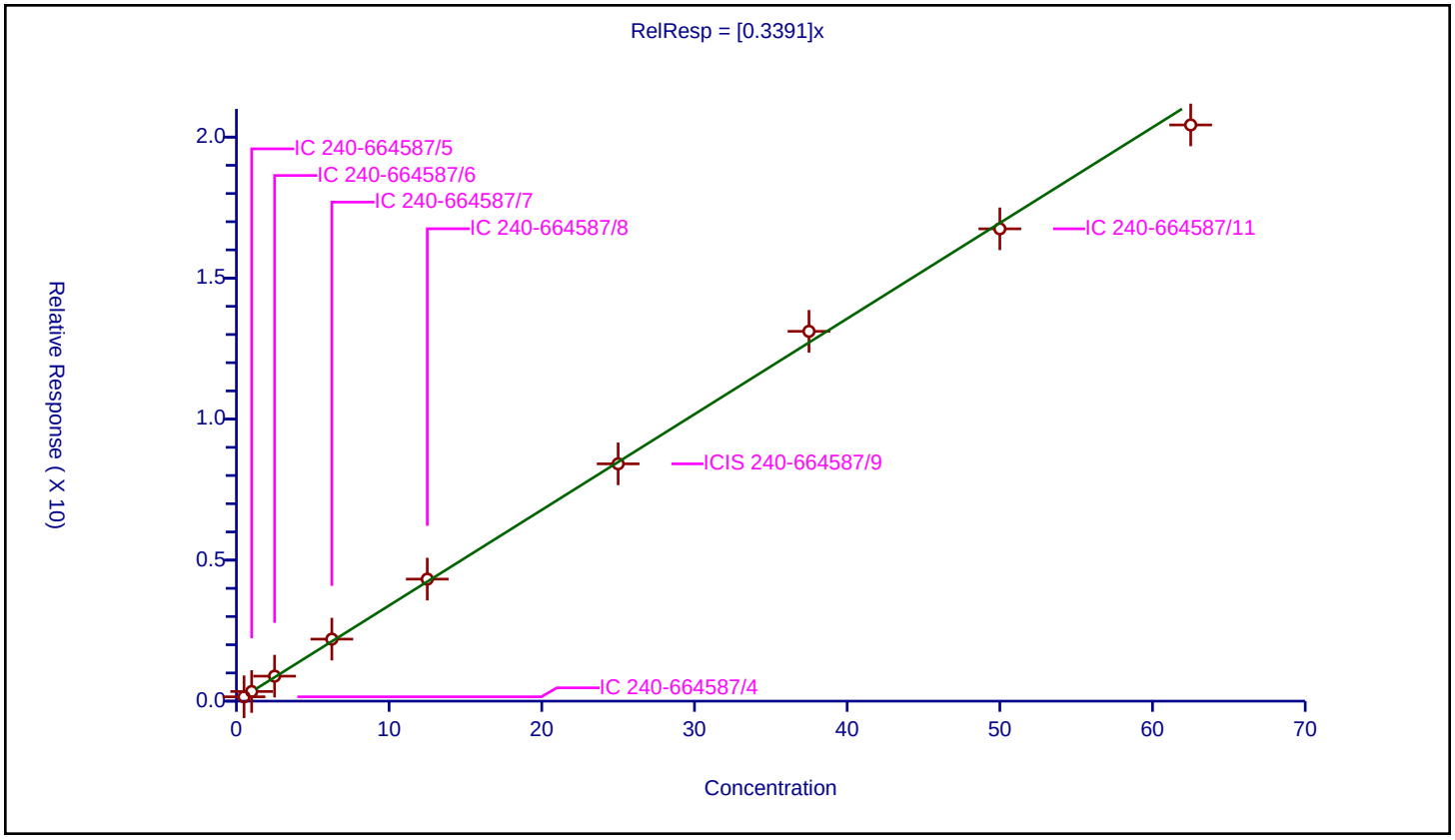
Curve Coefficients

Intercept:	0
Slope:	0.3391

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.154688	25.0	921368.0	0.309377	Y
2	IC 240-664587/5	1.0	0.341861	25.0	886180.0	0.341861	Y
3	IC 240-664587/6	2.5	0.885938	25.0	922525.0	0.354375	Y
4	IC 240-664587/7	6.25	2.199055	25.0	906503.0	0.351849	Y
5	IC 240-664587/8	12.5	4.326617	25.0	929872.0	0.346129	Y
6	ICIS 240-664587/9	25.0	8.414483	25.0	945881.0	0.336579	Y
7	IC 240-664587/10	37.5	13.112679	25.0	939522.0	0.349671	Y
8	IC 240-664587/11	50.0	16.747338	25.0	983625.0	0.334947	Y
9	IC 240-664587/12	62.5	20.43034	25.0	991217.0	0.326885	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

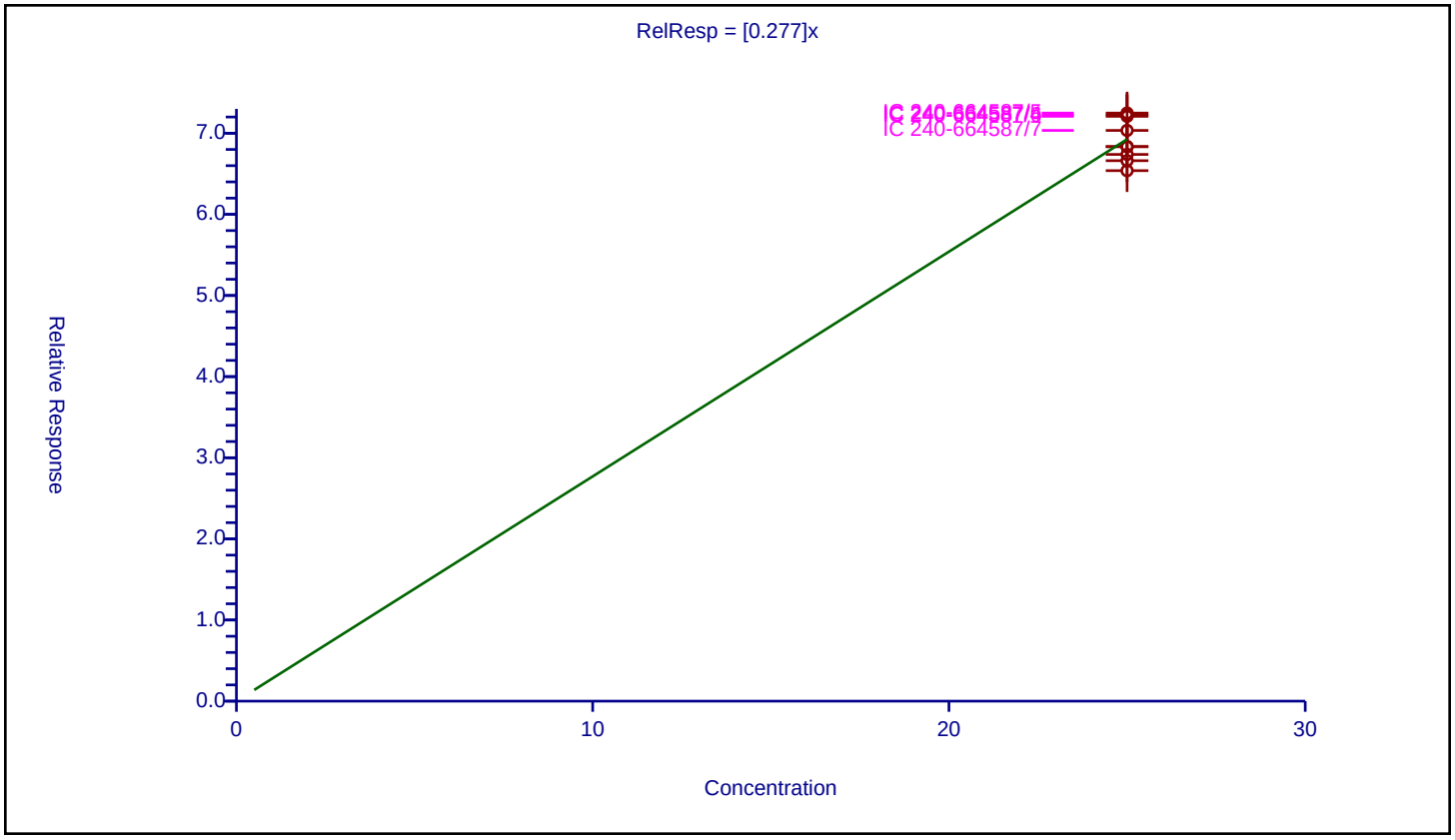
Curve Coefficients

Intercept:	0
Slope:	0.277

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	25.0	7.226103	25.0	921368.0	0.289044	Y
2	IC 240-664587/5	25.0	7.248527	25.0	886180.0	0.289941	Y
3	IC 240-664587/6	25.0	7.208504	25.0	922525.0	0.28834	Y
4	IC 240-664587/7	25.0	7.03456	25.0	906503.0	0.281382	Y
5	IC 240-664587/8	25.0	6.833306	25.0	929872.0	0.273332	Y
6	ICIS 240-664587/9	25.0	6.738744	25.0	945881.0	0.26955	Y
7	IC 240-664587/10	25.0	6.836162	25.0	939522.0	0.273446	Y
8	IC 240-664587/11	25.0	6.661583	25.0	983625.0	0.266463	Y
9	IC 240-664587/12	25.0	6.538755	25.0	991217.0	0.26155	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

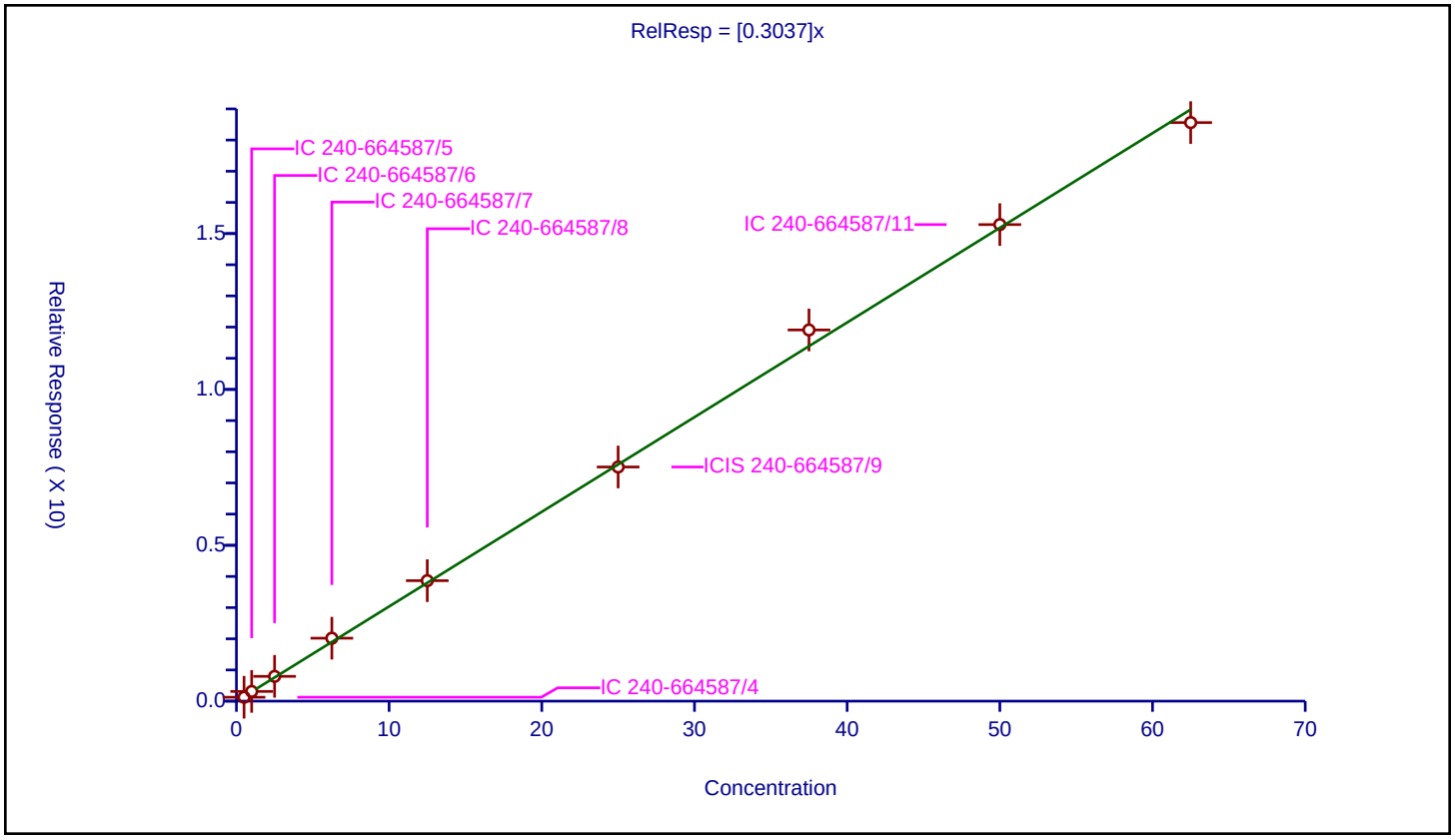
Curve Coefficients

Intercept:	0
Slope:	0.3037

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.125357	25.0	921368.0	0.250714	Y
2	IC 240-664587/5	1.0	0.311449	25.0	886180.0	0.311449	Y
3	IC 240-664587/6	2.5	0.794748	25.0	922525.0	0.317899	Y
4	IC 240-664587/7	6.25	2.019684	25.0	906503.0	0.32315	Y
5	IC 240-664587/8	12.5	3.864833	25.0	929872.0	0.309187	Y
6	ICIS 240-664587/9	25.0	7.511727	25.0	945881.0	0.300469	Y
7	IC 240-664587/10	37.5	11.907757	25.0	939522.0	0.31754	Y
8	IC 240-664587/11	50.0	15.288169	25.0	983625.0	0.305763	Y
9	IC 240-664587/12	62.5	18.560694	25.0	991217.0	0.296971	Y



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Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

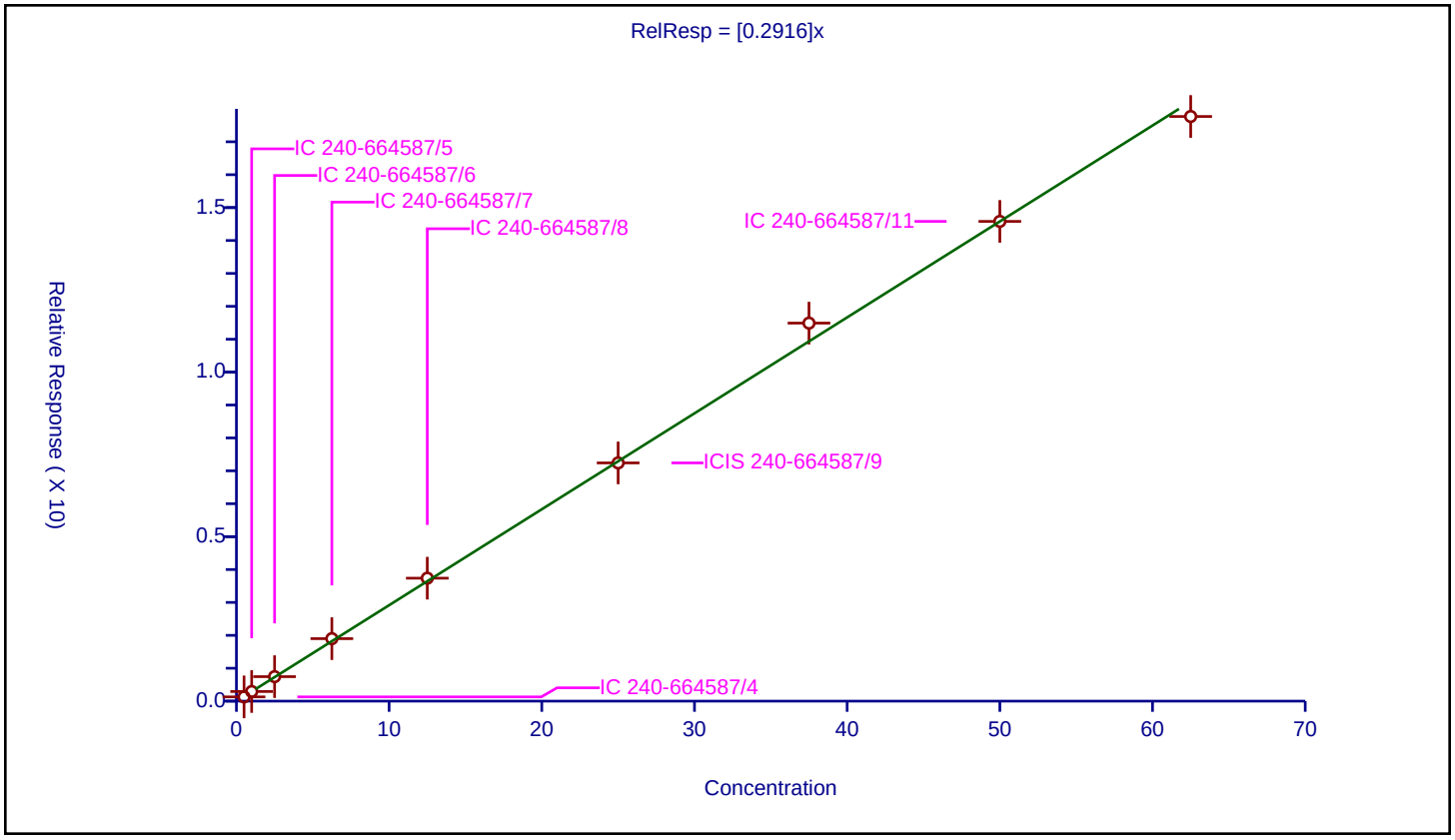
Curve Coefficients

Intercept:	0
Slope:	0.2916

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.1294	25.0	921368.0	0.2588	Y
2	IC 240-664587/5	1.0	0.292802	25.0	886180.0	0.292802	Y
3	IC 240-664587/6	2.5	0.744424	25.0	922525.0	0.29777	Y
4	IC 240-664587/7	6.25	1.899249	25.0	906503.0	0.30388	Y
5	IC 240-664587/8	12.5	3.737262	25.0	929872.0	0.298981	Y
6	ICIS 240-664587/9	25.0	7.240472	25.0	945881.0	0.289619	Y
7	IC 240-664587/10	37.5	11.489326	25.0	939522.0	0.306382	Y
8	IC 240-664587/11	50.0	14.580785	25.0	983625.0	0.291616	Y
9	IC 240-664587/12	62.5	17.769267	25.0	991217.0	0.284308	Y



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Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

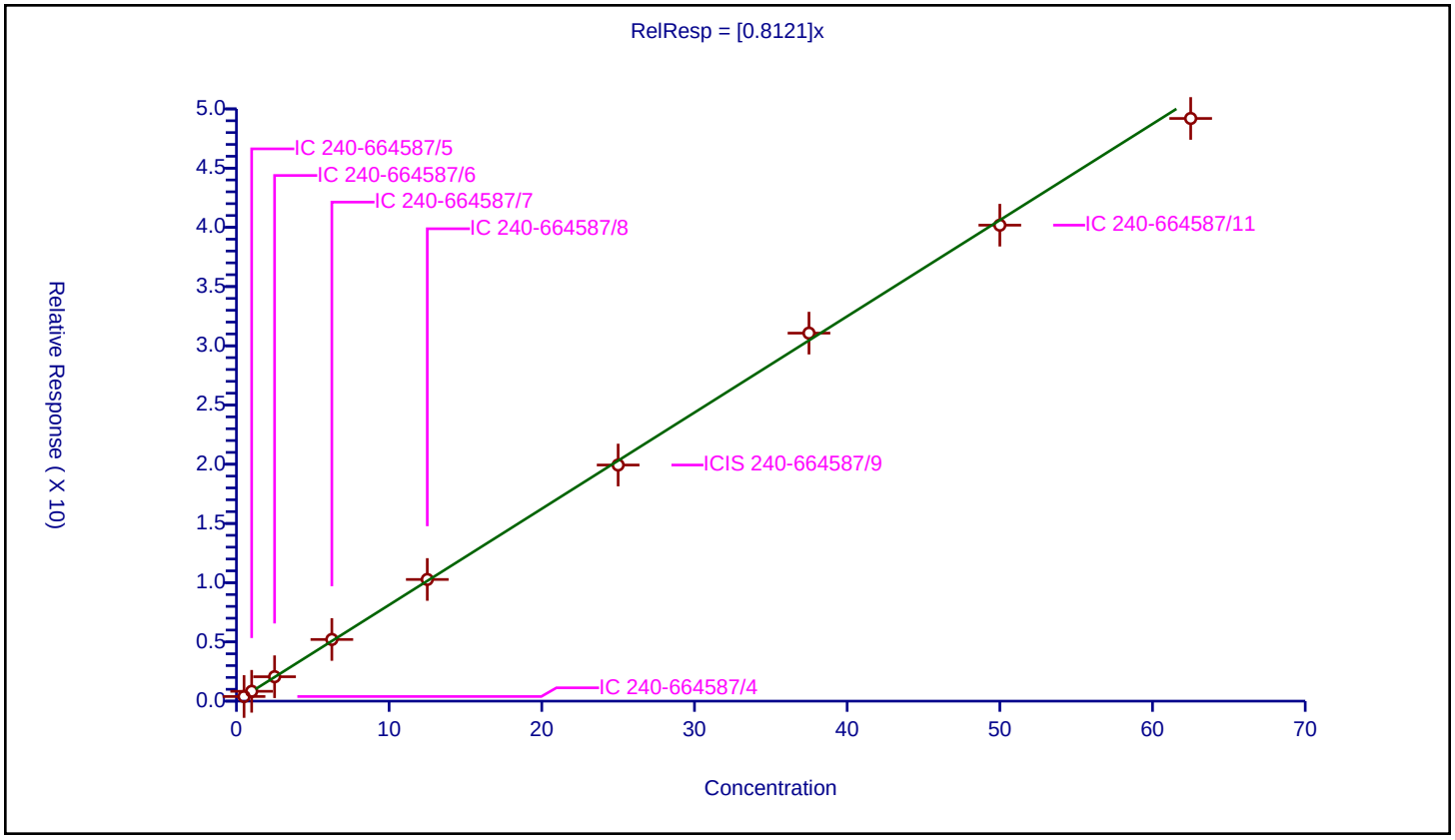
Curve Coefficients

Intercept:	0
Slope:	0.8121

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.39094	25.0	921368.0	0.781881	Y
2	IC 240-664587/5	1.0	0.831321	25.0	886180.0	0.831321	Y
3	IC 240-664587/6	2.5	2.061462	25.0	922525.0	0.824585	Y
4	IC 240-664587/7	6.25	5.206519	25.0	906503.0	0.833043	Y
5	IC 240-664587/8	12.5	10.273188	25.0	929872.0	0.821855	Y
6	ICIS 240-664587/9	25.0	19.933612	25.0	945881.0	0.797344	Y
7	IC 240-664587/10	37.5	31.069256	25.0	939522.0	0.828514	Y
8	IC 240-664587/11	50.0	40.183073	25.0	983625.0	0.803661	Y
9	IC 240-664587/12	62.5	49.191827	25.0	991217.0	0.787069	Y



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Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

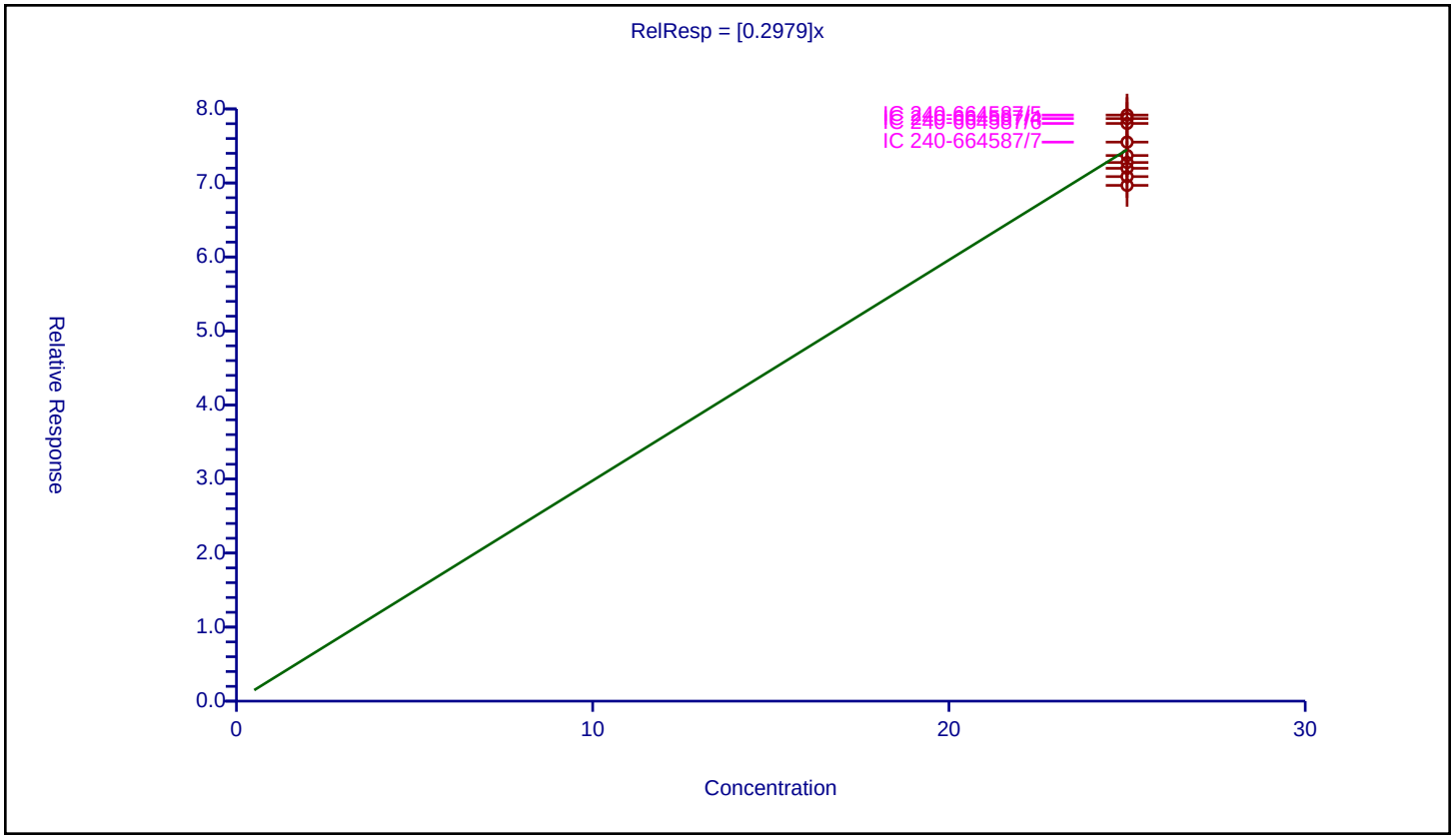
Curve Coefficients

Intercept:	0
Slope:	0.2979

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	25.0	7.86887	25.0	921368.0	0.314755	Y
2	IC 240-664587/5	25.0	7.916902	25.0	886180.0	0.316676	Y
3	IC 240-664587/6	25.0	7.80361	25.0	922525.0	0.312144	Y
4	IC 240-664587/7	25.0	7.551299	25.0	906503.0	0.302052	Y
5	IC 240-664587/8	25.0	7.370262	25.0	929872.0	0.29481	Y
6	ICIS 240-664587/9	25.0	7.197708	25.0	945881.0	0.287908	Y
7	IC 240-664587/10	25.0	7.276014	25.0	939522.0	0.291041	Y
8	IC 240-664587/11	25.0	7.085449	25.0	983625.0	0.283418	Y
9	IC 240-664587/12	25.0	6.967218	25.0	991217.0	0.278689	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

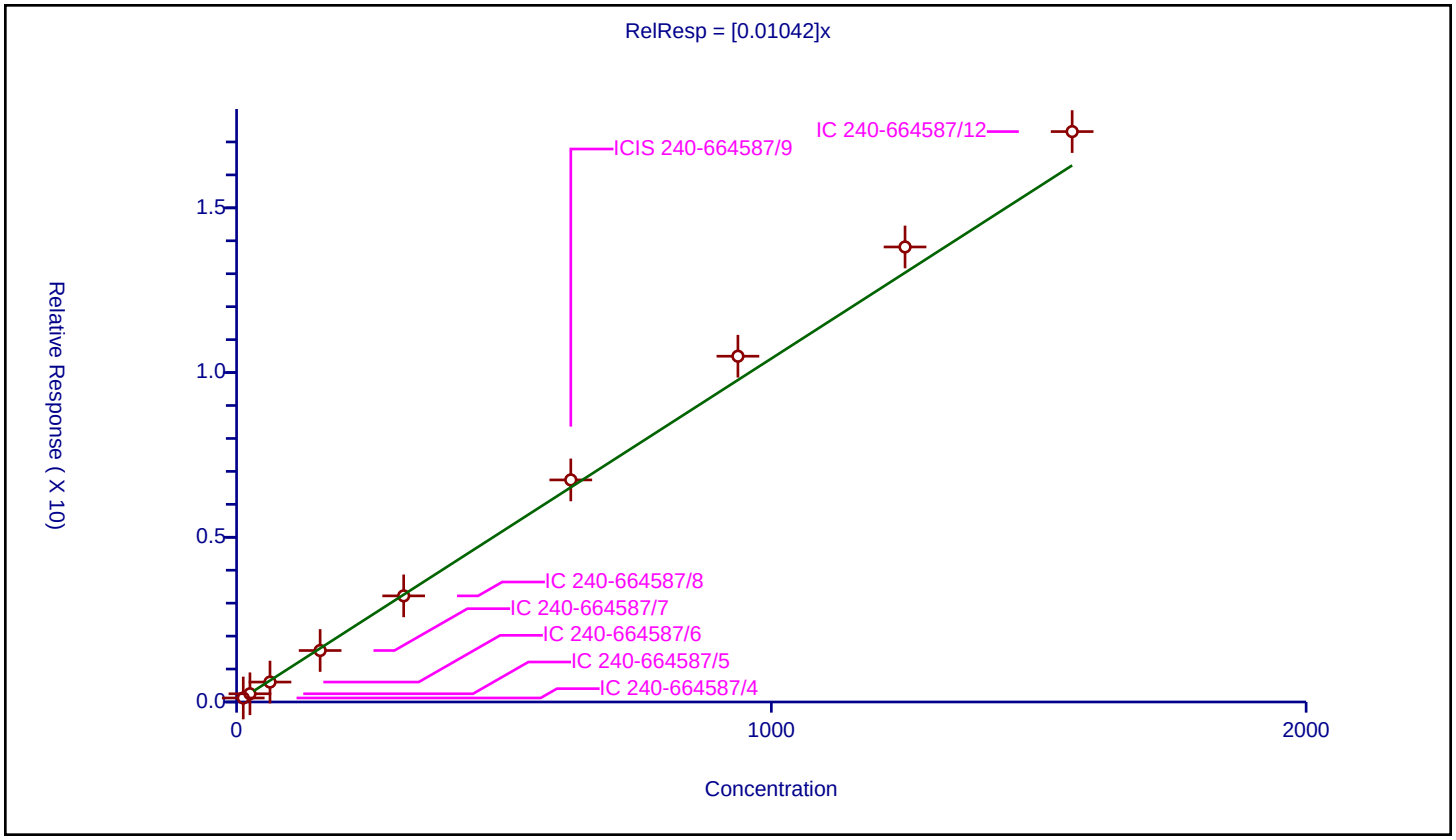
Curve Coefficients

Intercept:	0
Slope:	0.01042

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	12.5	0.12164	25.0	921368.0	0.009731	Y
2	IC 240-664587/5	25.0	0.249921	25.0	886180.0	0.009997	Y
3	IC 240-664587/6	62.5	0.604699	25.0	922525.0	0.009675	Y
4	IC 240-664587/7	156.25	1.562543	25.0	906503.0	0.01	Y
5	IC 240-664587/8	312.5	3.22133	25.0	929872.0	0.010308	Y
6	ICIS 240-664587/9	625.0	6.740911	25.0	945881.0	0.010785	Y
7	IC 240-664587/10	937.5	10.496215	25.0	939522.0	0.011196	Y
8	IC 240-664587/11	1250.0	13.812657	25.0	983625.0	0.01105	Y
9	IC 240-664587/12	1562.5	17.315154	25.0	991217.0	0.011082	Y



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Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

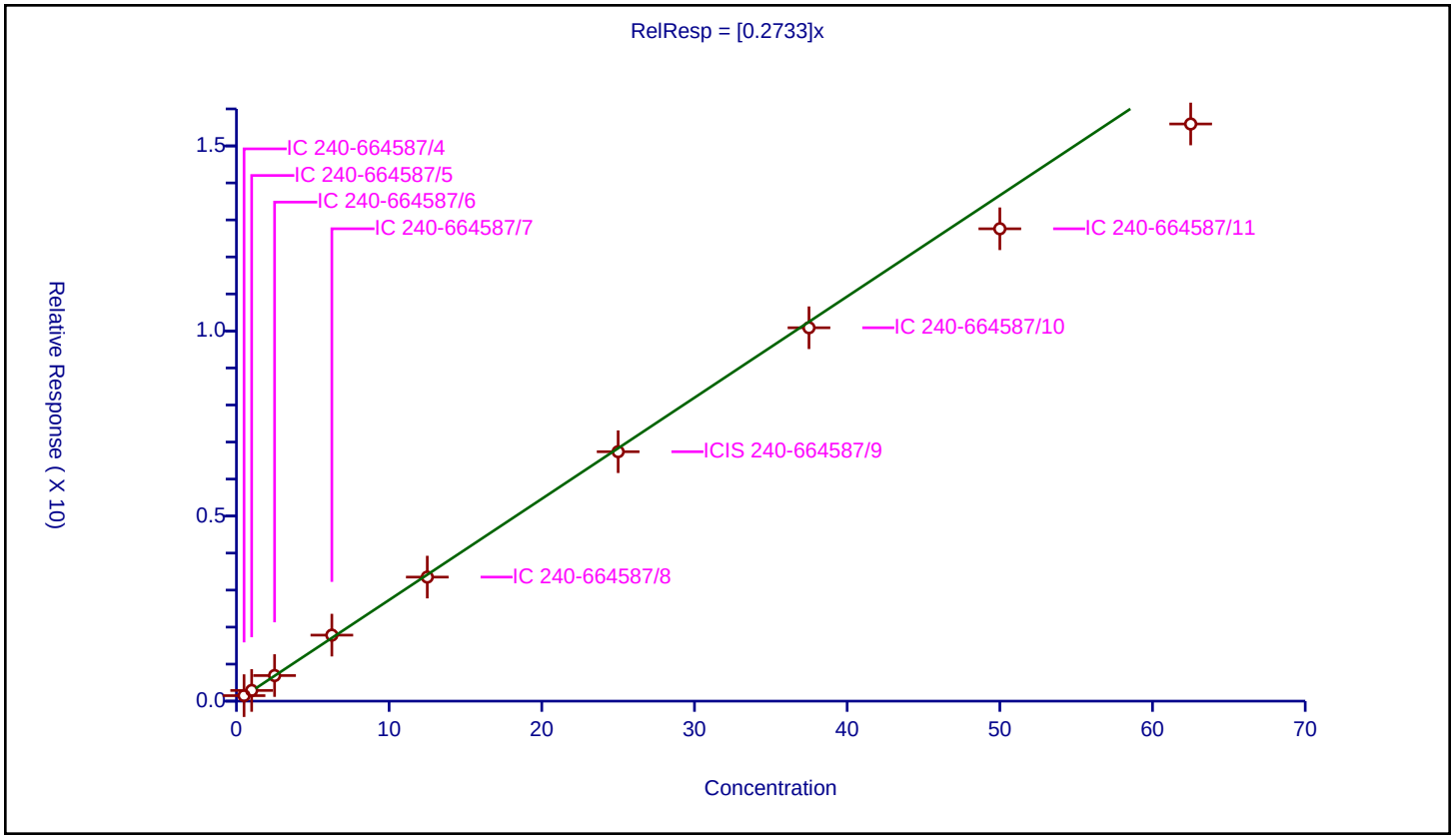
Curve Coefficients

Intercept:	0
Slope:	0.2733

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.148746	25.0	921368.0	0.297492	Y
2	IC 240-664587/5	1.0	0.288796	25.0	886180.0	0.288796	Y
3	IC 240-664587/6	2.5	0.691228	25.0	922525.0	0.276491	Y
4	IC 240-664587/7	6.25	1.783254	25.0	906503.0	0.285321	Y
5	IC 240-664587/8	12.5	3.351348	25.0	929872.0	0.268108	Y
6	ICIS 240-664587/9	25.0	6.738823	25.0	945881.0	0.269553	Y
7	IC 240-664587/10	37.5	10.087869	25.0	939522.0	0.26901	Y
8	IC 240-664587/11	50.0	12.761393	25.0	983625.0	0.255228	Y
9	IC 240-664587/12	62.5	15.592701	25.0	991217.0	0.249483	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

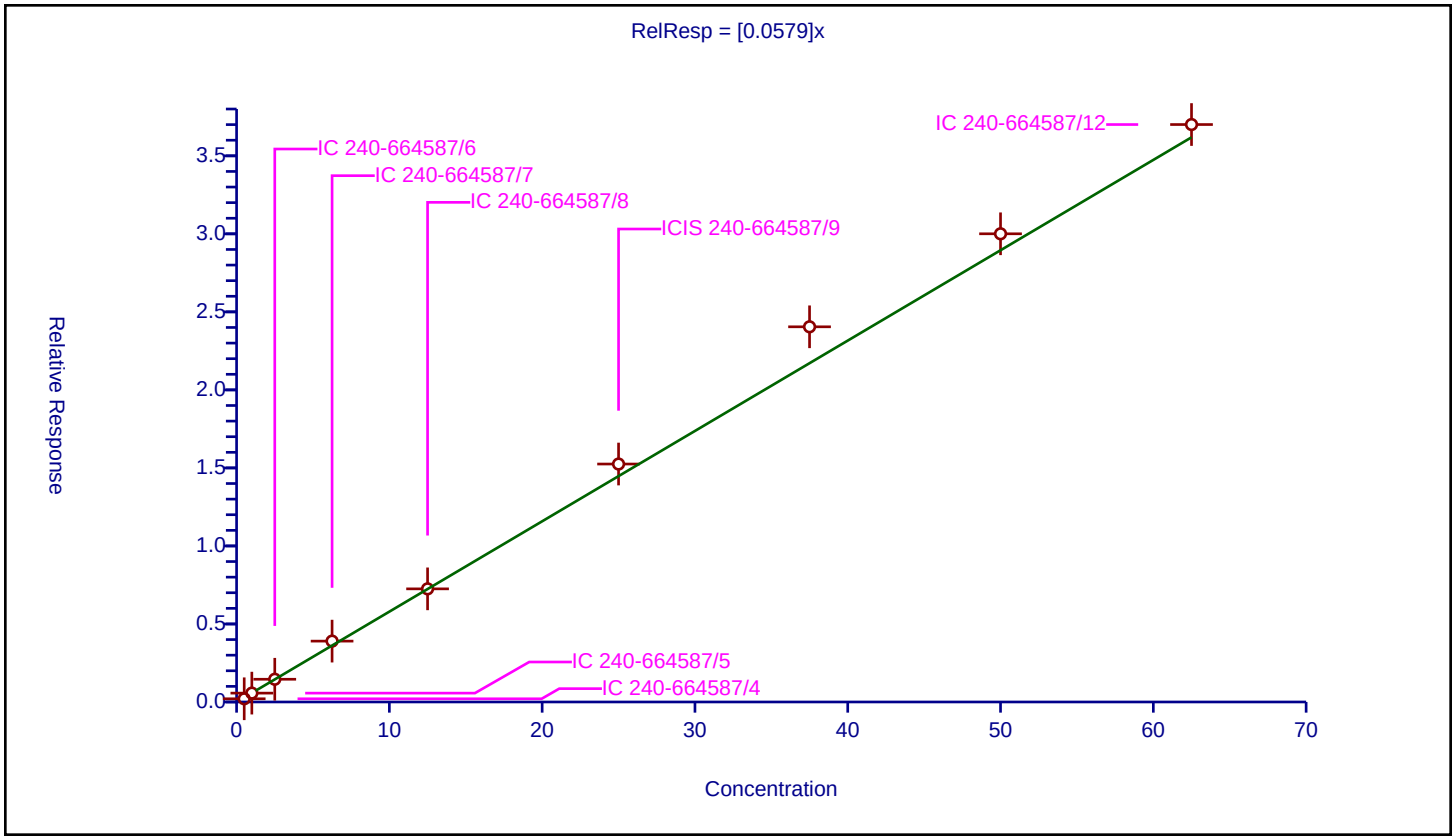
Curve Coefficients

Intercept:	0
Slope:	0.0579

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.020649	25.0	921368.0	0.041297	Y
2	IC 240-664587/5	1.0	0.05676	25.0	886180.0	0.05676	Y
3	IC 240-664587/6	2.5	0.14566	25.0	922525.0	0.058264	Y
4	IC 240-664587/7	6.25	0.390098	25.0	906503.0	0.062416	Y
5	IC 240-664587/8	12.5	0.725019	25.0	929872.0	0.058002	Y
6	ICIS 240-664587/9	25.0	1.524928	25.0	945881.0	0.060997	Y
7	IC 240-664587/10	37.5	2.404361	25.0	939522.0	0.064116	Y
8	IC 240-664587/11	50.0	3.000381	25.0	983625.0	0.060008	Y
9	IC 240-664587/12	62.5	3.700577	25.0	991217.0	0.059209	Y



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Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

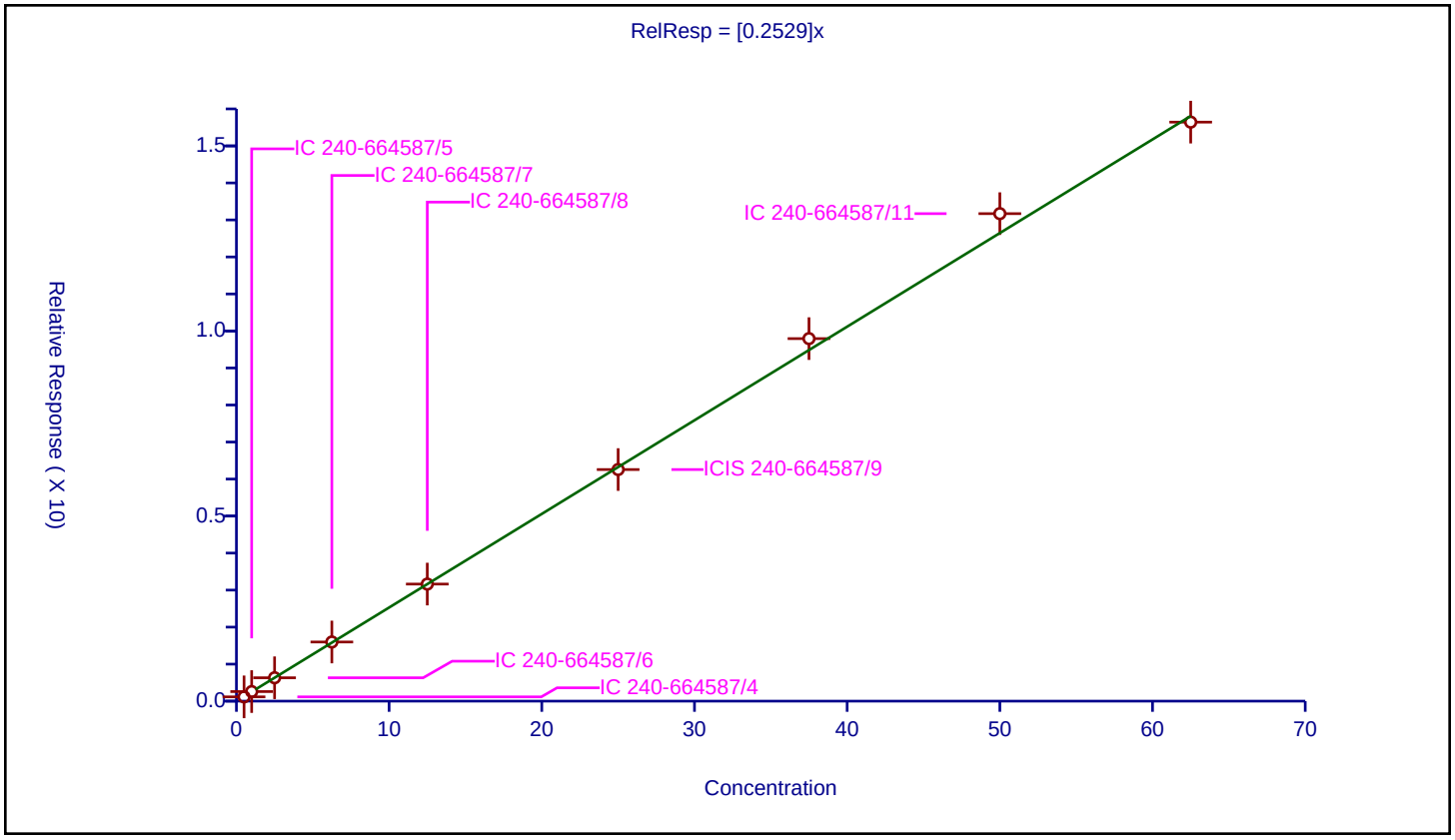
Curve Coefficients

Intercept:	0
Slope:	0.2529

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.115725	25.0	921368.0	0.231449	Y
2	IC 240-664587/5	1.0	0.258469	25.0	886180.0	0.258469	Y
3	IC 240-664587/6	2.5	0.631392	25.0	922525.0	0.252557	Y
4	IC 240-664587/7	6.25	1.597816	25.0	906503.0	0.255651	Y
5	IC 240-664587/8	12.5	3.162532	25.0	929872.0	0.253003	Y
6	ICIS 240-664587/9	25.0	6.256469	25.0	945881.0	0.250259	Y
7	IC 240-664587/10	37.5	9.794316	25.0	939522.0	0.261182	Y
8	IC 240-664587/11	50.0	13.169907	25.0	983625.0	0.263398	Y
9	IC 240-664587/12	62.5	15.64216	25.0	991217.0	0.250275	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

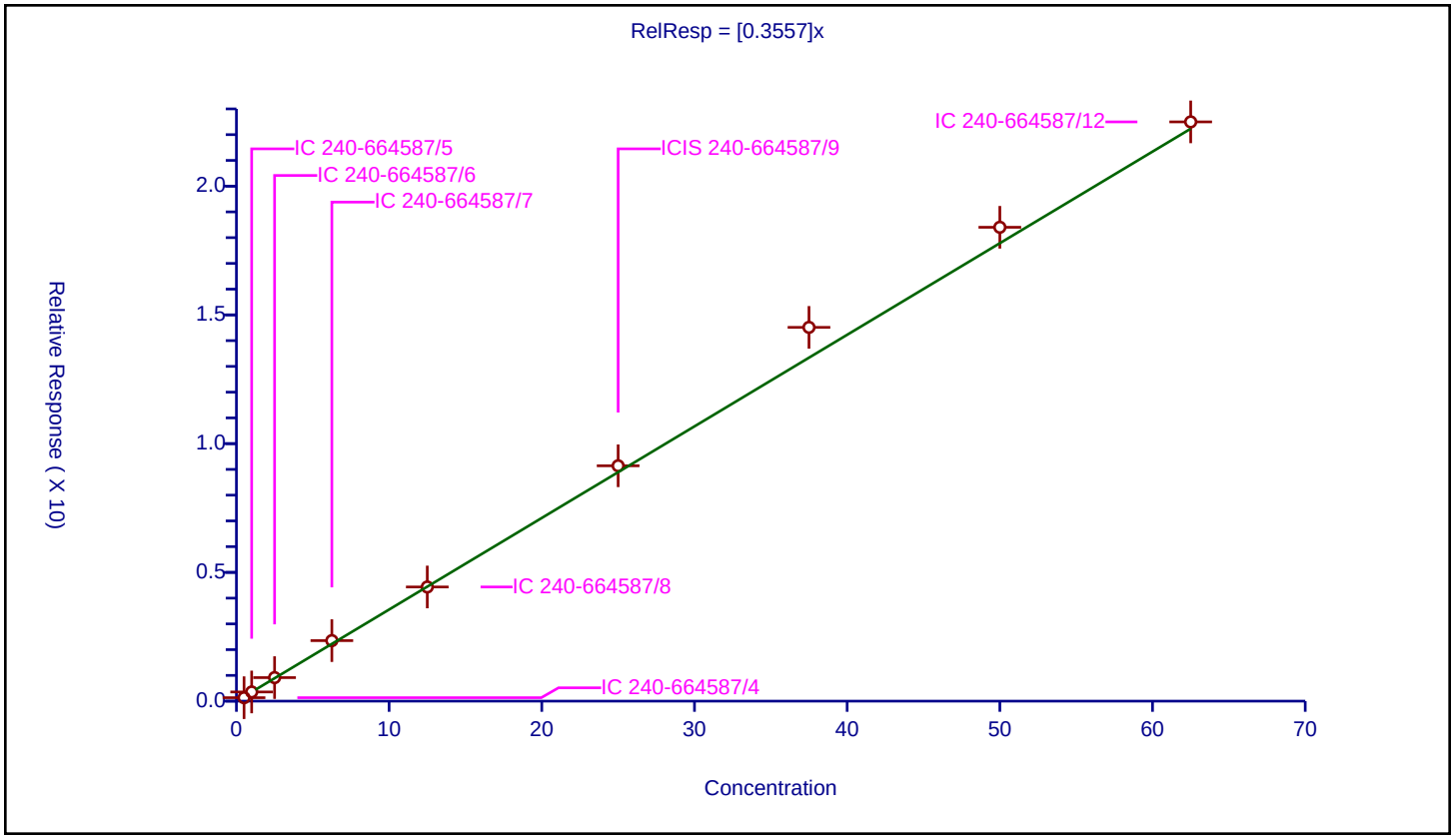
Curve Coefficients

Intercept:	0
Slope:	0.3557

Error Coefficients

Relative Standard Deviation:	9.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.133579	25.0	921368.0	0.267157	Y
2	IC 240-664587/5	1.0	0.356812	25.0	886180.0	0.356812	Y
3	IC 240-664587/6	2.5	0.914176	25.0	922525.0	0.36567	Y
4	IC 240-664587/7	6.25	2.350792	25.0	906503.0	0.376127	Y
5	IC 240-664587/8	12.5	4.433513	25.0	929872.0	0.354681	Y
6	ICIS 240-664587/9	25.0	9.140156	25.0	945881.0	0.365606	Y
7	IC 240-664587/10	37.5	14.514854	25.0	939522.0	0.387063	Y
8	IC 240-664587/11	50.0	18.402059	25.0	983625.0	0.368041	Y
9	IC 240-664587/12	62.5	22.495352	25.0	991217.0	0.359926	Y



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Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

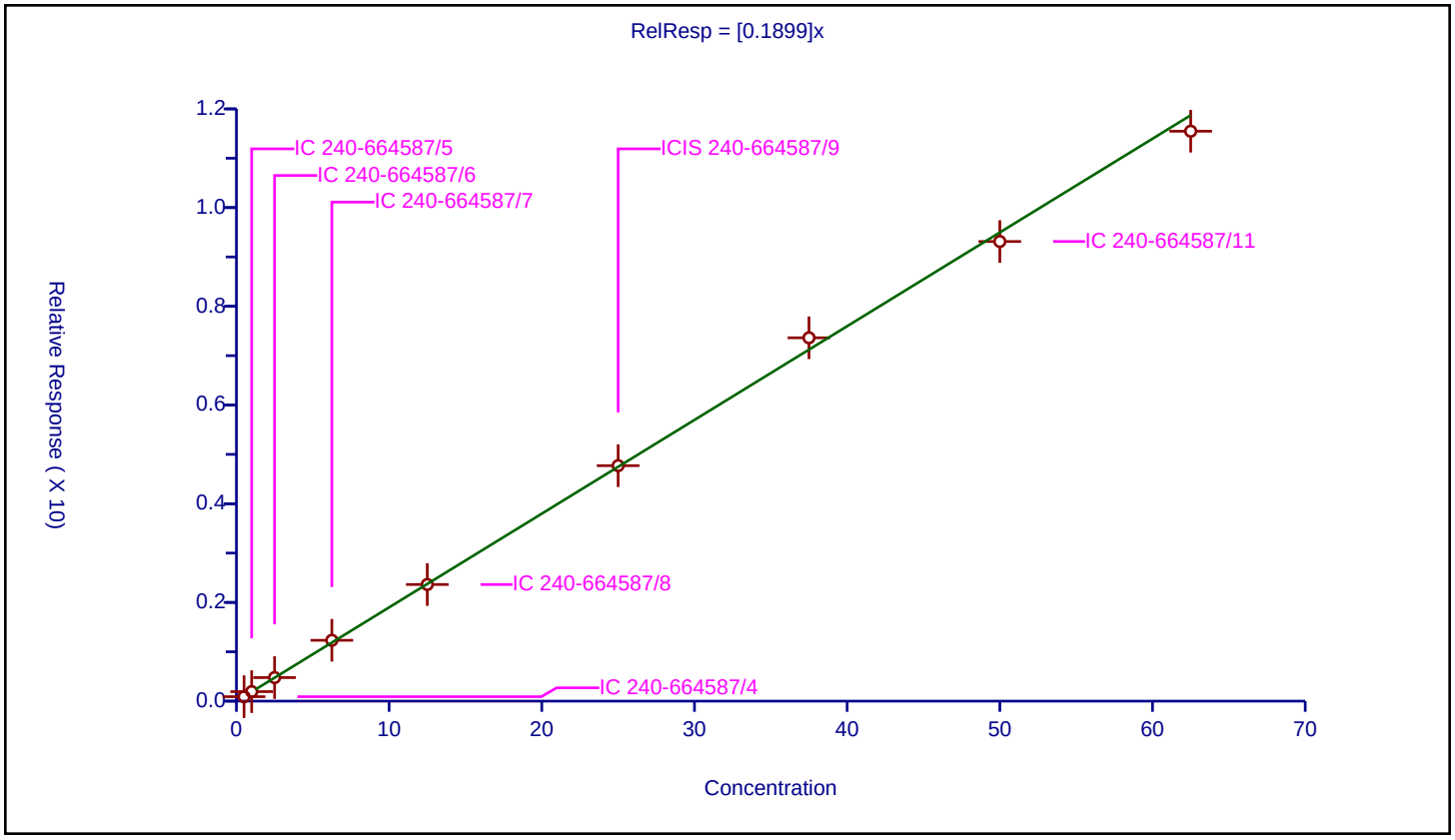
Curve Coefficients

Intercept:	0
Slope:	0.1899

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.090436	25.0	921368.0	0.180872	Y
2	IC 240-664587/5	1.0	0.192991	25.0	886180.0	0.192991	Y
3	IC 240-664587/6	2.5	0.477521	25.0	922525.0	0.191008	Y
4	IC 240-664587/7	6.25	1.232566	25.0	906503.0	0.197211	Y
5	IC 240-664587/8	12.5	2.36347	25.0	929872.0	0.189078	Y
6	ICIS 240-664587/9	25.0	4.77116	25.0	945881.0	0.190846	Y
7	IC 240-664587/10	37.5	7.362308	25.0	939522.0	0.196328	Y
8	IC 240-664587/11	50.0	9.313127	25.0	983625.0	0.186263	Y
9	IC 240-664587/12	62.5	11.547648	25.0	991217.0	0.184762	Y



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Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

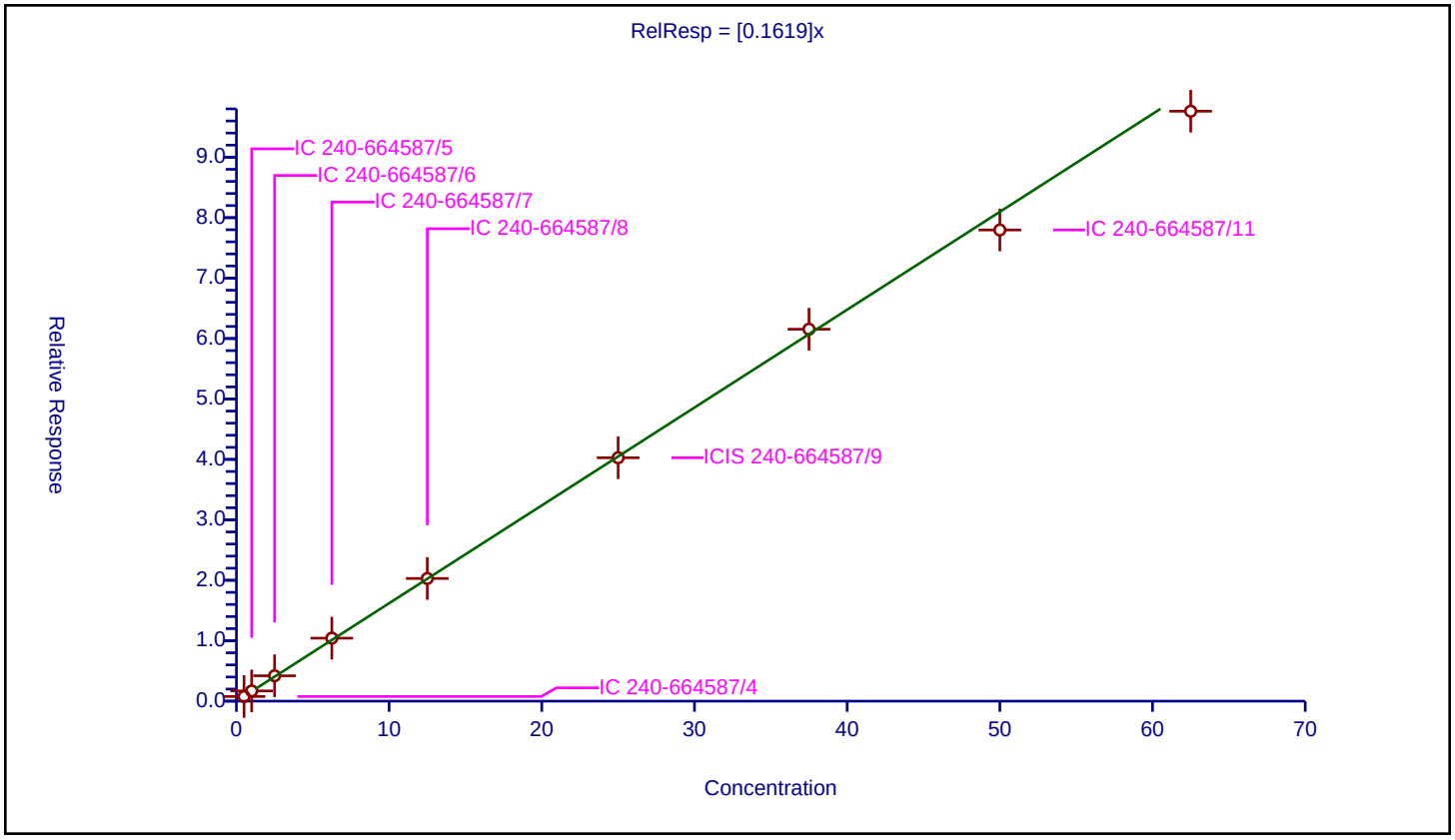
Curve Coefficients

Intercept:	0
Slope:	0.1619

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.076815	25.0	921368.0	0.15363	Y
2	IC 240-664587/5	1.0	0.169463	25.0	886180.0	0.169463	Y
3	IC 240-664587/6	2.5	0.419609	25.0	922525.0	0.167844	Y
4	IC 240-664587/7	6.25	1.042247	25.0	906503.0	0.16676	Y
5	IC 240-664587/8	12.5	2.029688	25.0	929872.0	0.162375	Y
6	ICIS 240-664587/9	25.0	4.027462	25.0	945881.0	0.161098	Y
7	IC 240-664587/10	37.5	6.1543	25.0	939522.0	0.164115	Y
8	IC 240-664587/11	50.0	7.796111	25.0	983625.0	0.155922	Y
9	IC 240-664587/12	62.5	9.761208	25.0	991217.0	0.156179	Y



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Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

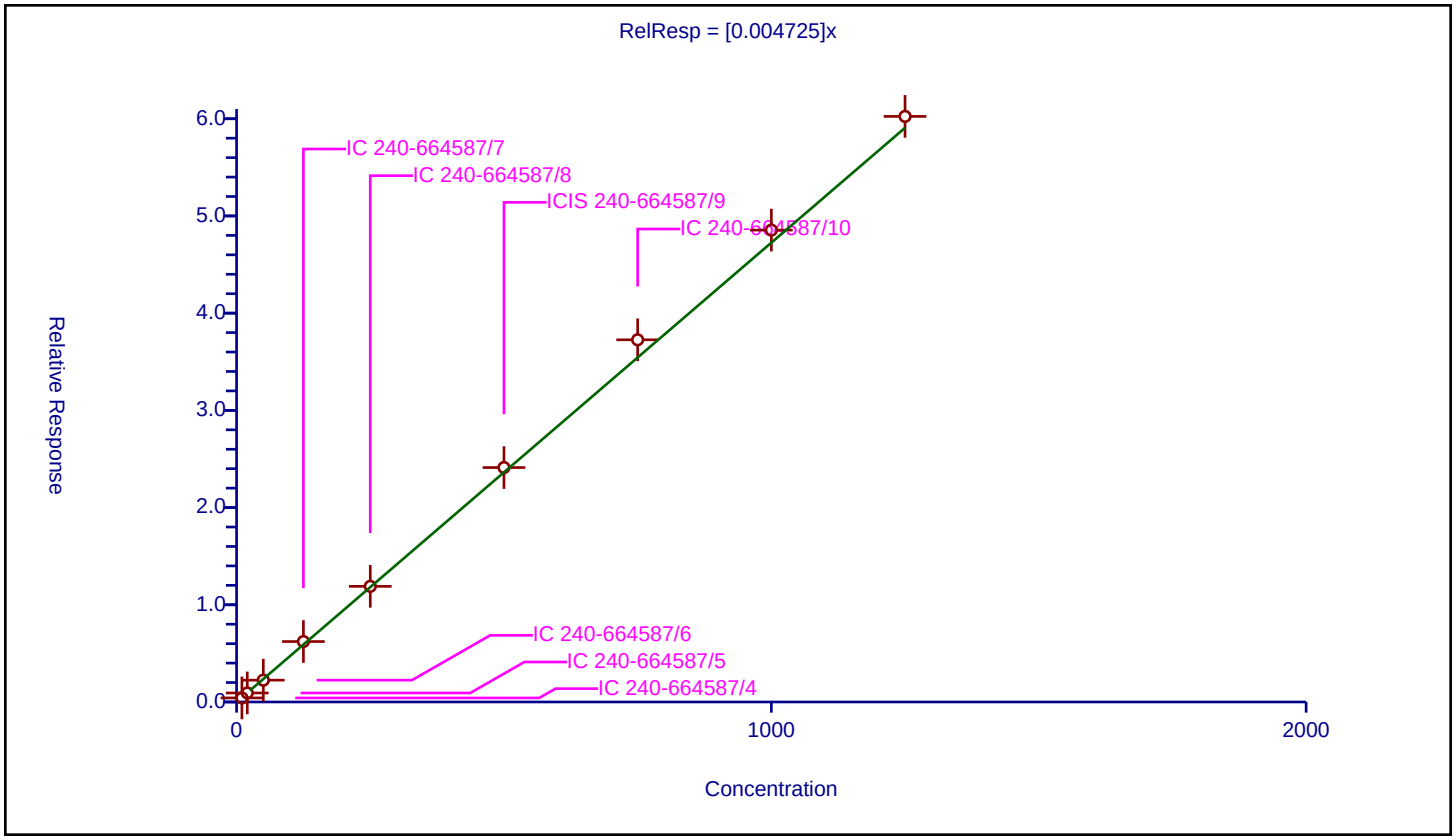
Curve Coefficients

Intercept:	0
Slope:	0.004725

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	10.0	0.041948	25.0	921368.0	0.004195	Y
2	IC 240-664587/5	20.0	0.092927	25.0	886180.0	0.004646	Y
3	IC 240-664587/6	50.0	0.224411	25.0	922525.0	0.004488	Y
4	IC 240-664587/7	125.0	0.62173	25.0	906503.0	0.004974	Y
5	IC 240-664587/8	250.0	1.189572	25.0	929872.0	0.004758	Y
6	ICIS 240-664587/9	500.0	2.411746	25.0	945881.0	0.004823	Y
7	IC 240-664587/10	750.0	3.726044	25.0	939522.0	0.004968	Y
8	IC 240-664587/11	1000.0	4.854162	25.0	983625.0	0.004854	Y
9	IC 240-664587/12	1250.0	6.024085	25.0	991217.0	0.004819	Y



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Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

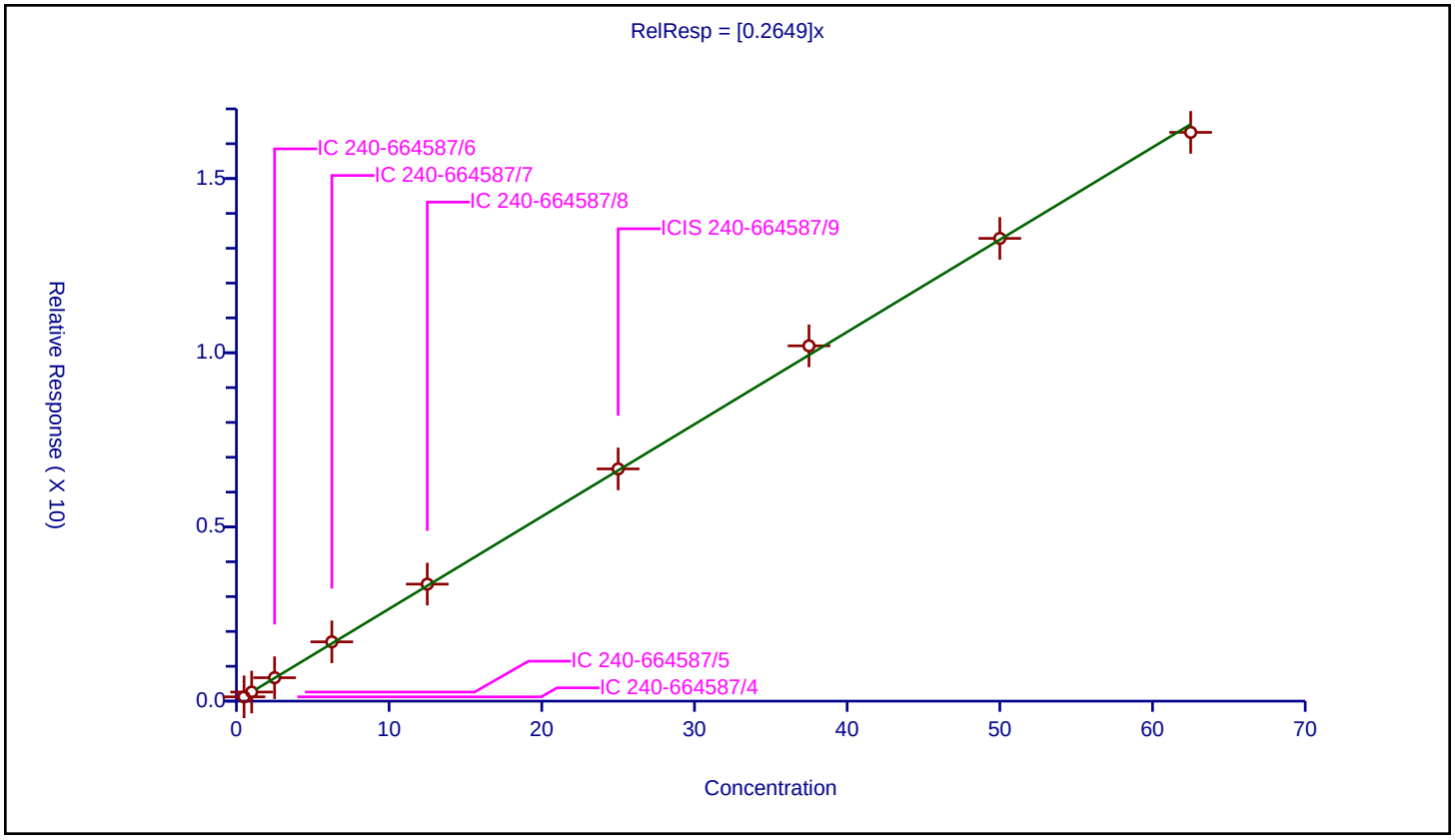
Curve Coefficients

Intercept:	0
Slope:	0.2649

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.123756	25.0	921368.0	0.247512	Y
2	IC 240-664587/5	1.0	0.261234	25.0	886180.0	0.261234	Y
3	IC 240-664587/6	2.5	0.672367	25.0	922525.0	0.268947	Y
4	IC 240-664587/7	6.25	1.702366	25.0	906503.0	0.272379	Y
5	IC 240-664587/8	12.5	3.358823	25.0	929872.0	0.268706	Y
6	ICIS 240-664587/9	25.0	6.666431	25.0	945881.0	0.266657	Y
7	IC 240-664587/10	37.5	10.198644	25.0	939522.0	0.271964	Y
8	IC 240-664587/11	50.0	13.283086	25.0	983625.0	0.265662	Y
9	IC 240-664587/12	62.5	16.326571	25.0	991217.0	0.261225	Y



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Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

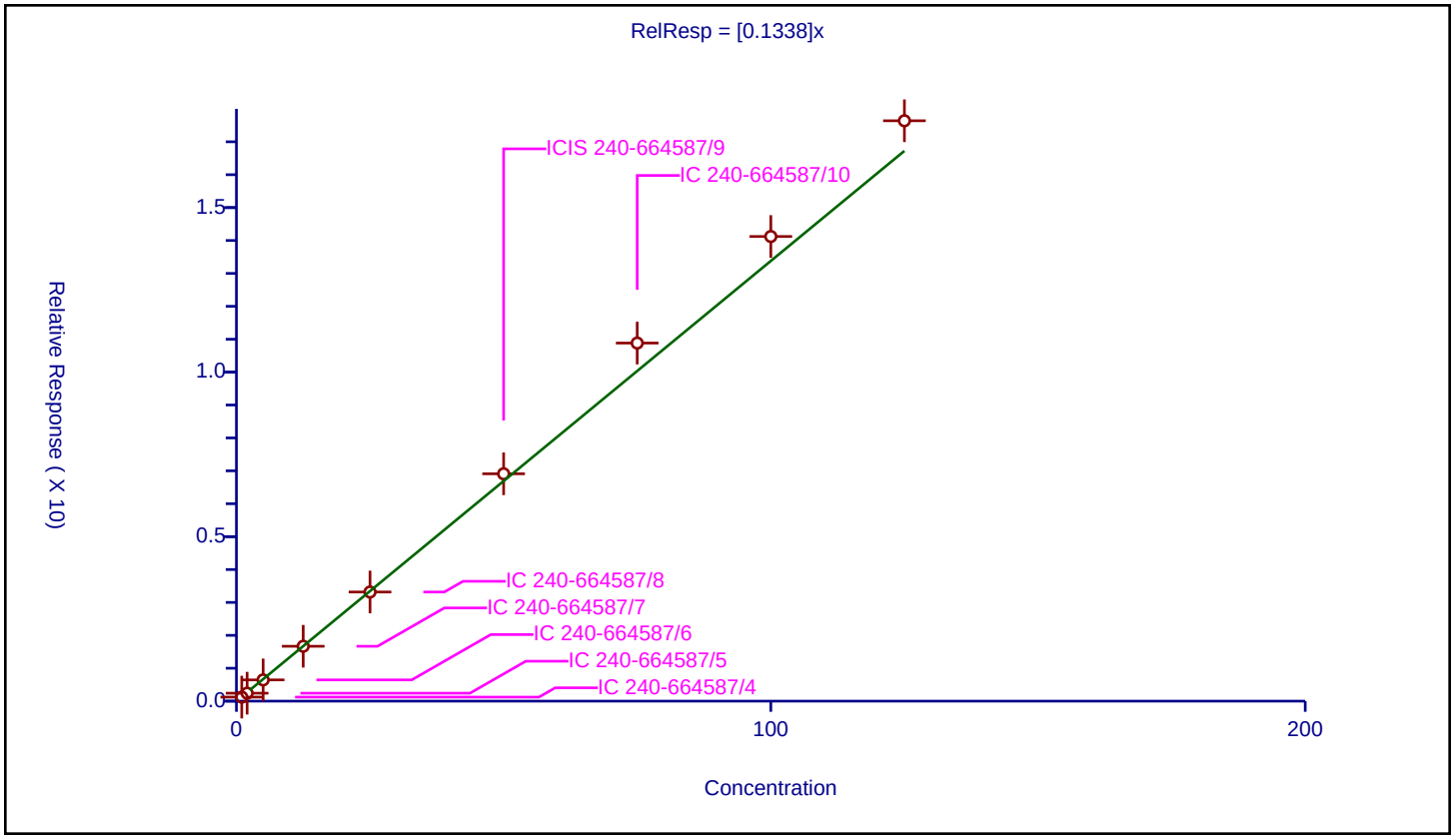
Curve Coefficients

Intercept:	0
Slope:	0.1338

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	1.0	0.122237	25.0	921368.0	0.122237	Y
2	IC 240-664587/5	2.0	0.241881	25.0	886180.0	0.12094	Y
3	IC 240-664587/6	5.0	0.645782	25.0	922525.0	0.129156	Y
4	IC 240-664587/7	12.5	1.667838	25.0	906503.0	0.133427	Y
5	IC 240-664587/8	25.0	3.316962	25.0	929872.0	0.132678	Y
6	ICIS 240-664587/9	50.0	6.91033	25.0	945881.0	0.138207	Y
7	IC 240-664587/10	75.0	10.883274	25.0	939522.0	0.14511	Y
8	IC 240-664587/11	100.0	14.12154	25.0	983625.0	0.141215	Y
9	IC 240-664587/12	125.0	17.639099	25.0	991217.0	0.141113	Y



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Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

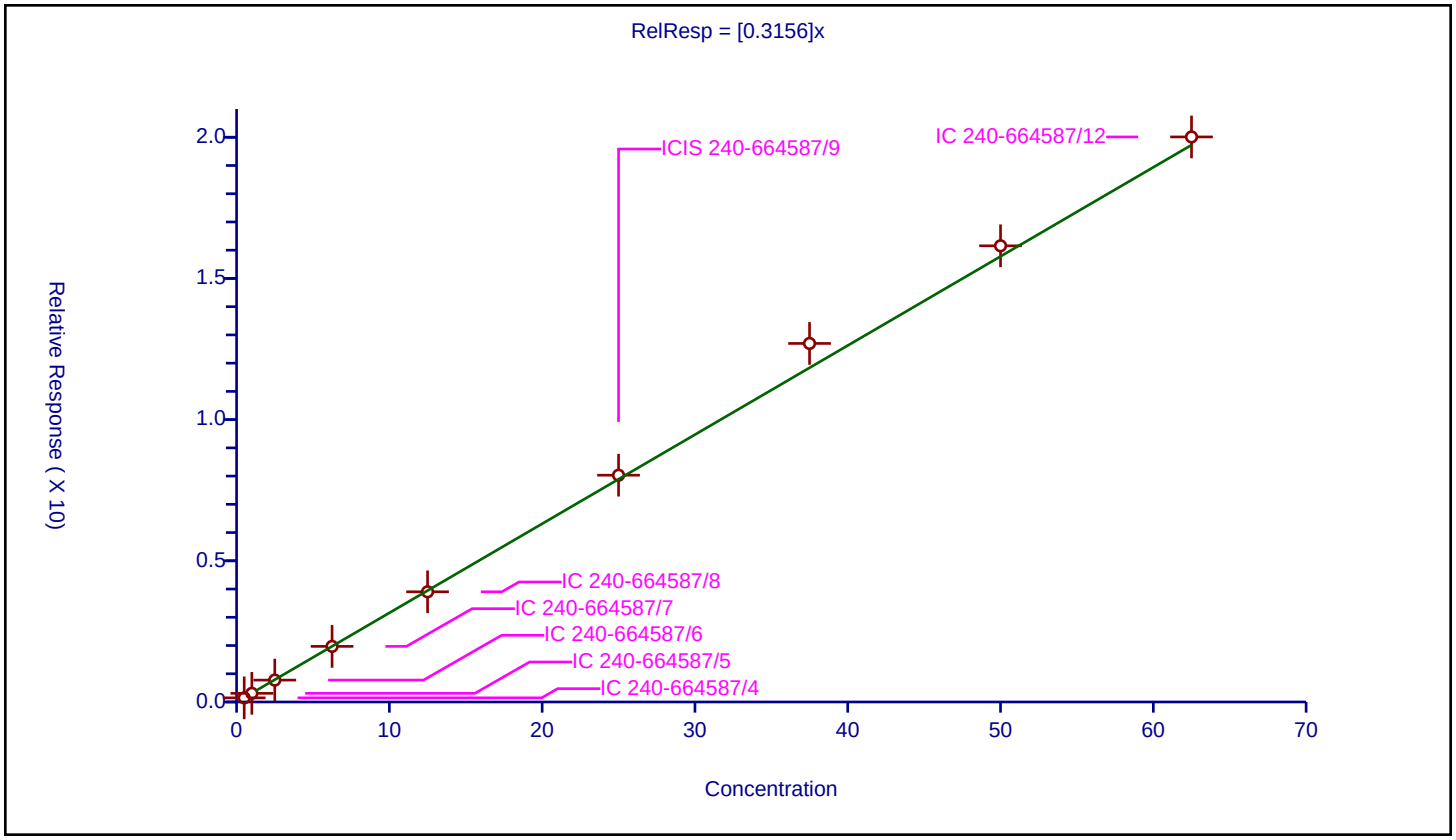
Curve Coefficients

Intercept:	0
Slope:	0.3156

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.147037	25.0	921368.0	0.294074	Y
2	IC 240-664587/5	1.0	0.306004	25.0	886180.0	0.306004	Y
3	IC 240-664587/6	2.5	0.774559	25.0	922525.0	0.309824	Y
4	IC 240-664587/7	6.25	1.969795	25.0	906503.0	0.315167	Y
5	IC 240-664587/8	12.5	3.902822	25.0	929872.0	0.312226	Y
6	ICIS 240-664587/9	25.0	8.031243	25.0	945881.0	0.32125	Y
7	IC 240-664587/10	37.5	12.697494	25.0	939522.0	0.3386	Y
8	IC 240-664587/11	50.0	16.155268	25.0	983625.0	0.323105	Y
9	IC 240-664587/12	62.5	20.011486	25.0	991217.0	0.320184	Y



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Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

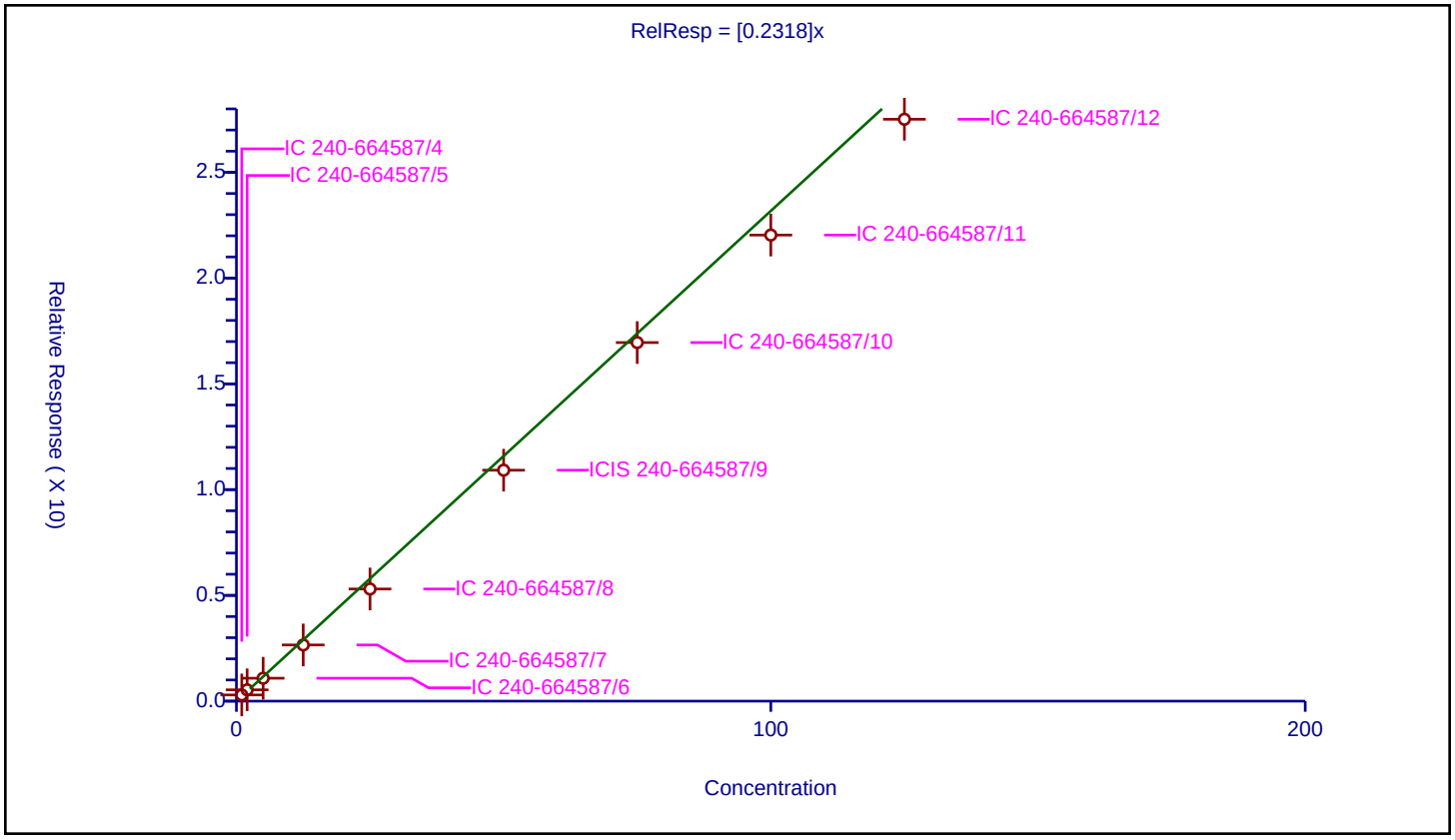
Curve Coefficients

Intercept:	0
Slope:	0.2318

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	1.0	0.292717	25.0	921368.0	0.292717	Y
2	IC 240-664587/5	2.0	0.534147	25.0	886180.0	0.267073	Y
3	IC 240-664587/6	5.0	1.083168	25.0	922525.0	0.216634	Y
4	IC 240-664587/7	12.5	2.656114	25.0	906503.0	0.212489	Y
5	IC 240-664587/8	25.0	5.301214	25.0	929872.0	0.212049	Y
6	ICIS 240-664587/9	50.0	10.919238	25.0	945881.0	0.218385	Y
7	IC 240-664587/10	75.0	16.953568	25.0	939522.0	0.226048	Y
8	IC 240-664587/11	100.0	22.035532	25.0	983625.0	0.220355	Y
9	IC 240-664587/12	125.0	27.510676	25.0	991217.0	0.220085	Y



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Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

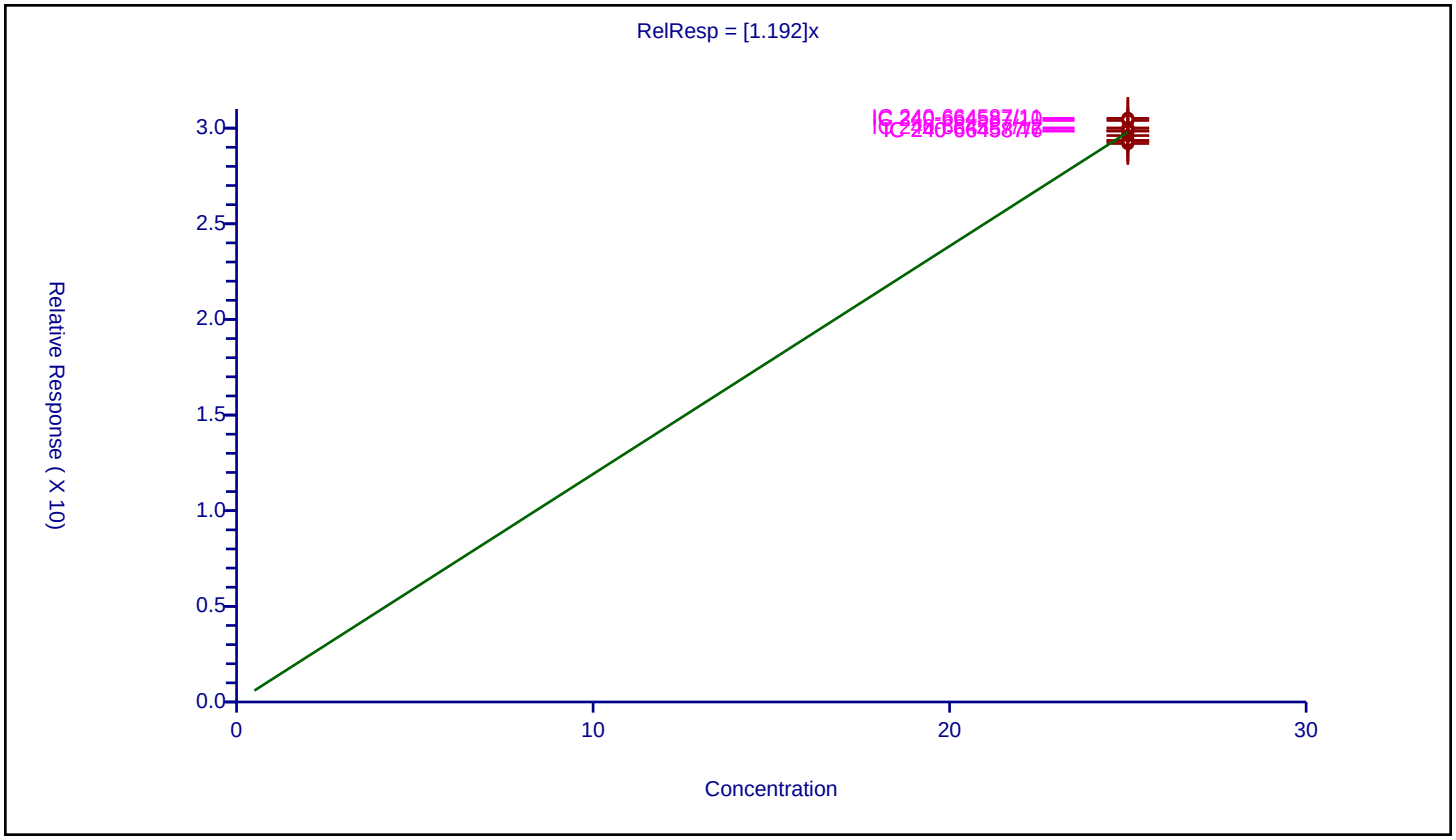
Curve Coefficients

Intercept:	0
Slope:	1.192

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	25.0	29.360881	25.0	748765.0	1.174435	Y
2	IC 240-664587/5	25.0	29.196048	25.0	725373.0	1.167842	Y
3	IC 240-664587/6	25.0	29.842438	25.0	751481.0	1.193698	Y
4	IC 240-664587/7	25.0	29.868509	25.0	731076.0	1.19474	Y
5	IC 240-664587/8	25.0	29.31497	25.0	745909.0	1.172599	Y
6	ICIS 240-664587/9	25.0	29.611763	25.0	741056.0	1.184471	Y
7	IC 240-664587/10	25.0	30.400823	25.0	738855.0	1.216033	Y
8	IC 240-664587/11	25.0	30.512594	25.0	767801.0	1.220504	Y
9	IC 240-664587/12	25.0	30.011984	25.0	769386.0	1.200479	Y



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Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

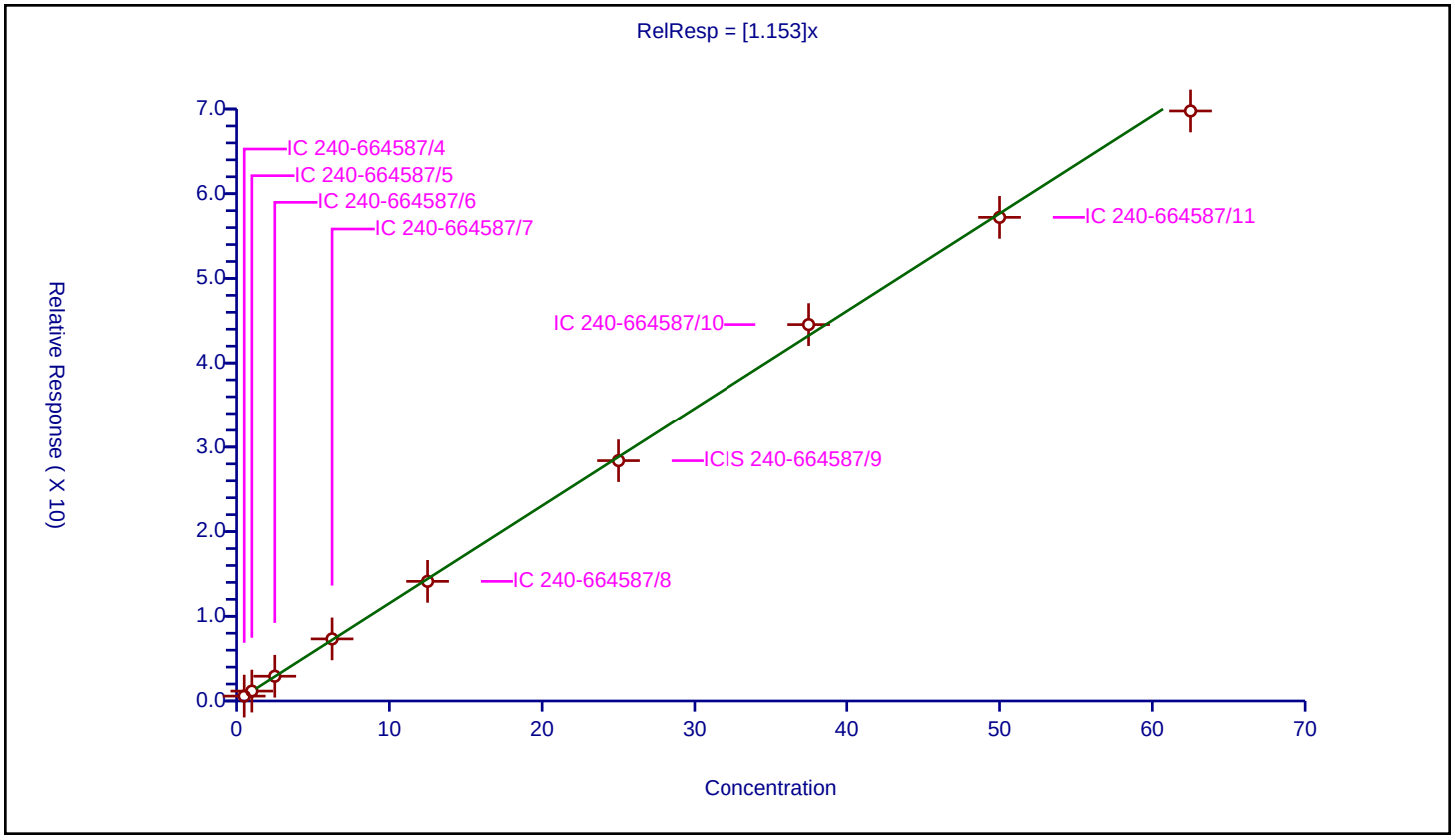
Curve Coefficients

Intercept:	0
Slope:	1.153

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.576683	25.0	748765.0	1.153366	Y
2	IC 240-664587/5	1.0	1.169123	25.0	725373.0	1.169123	Y
3	IC 240-664587/6	2.5	2.924292	25.0	751481.0	1.169717	Y
4	IC 240-664587/7	6.25	7.328923	25.0	731076.0	1.172628	Y
5	IC 240-664587/8	12.5	14.124813	25.0	745909.0	1.129985	Y
6	ICIS 240-664587/9	25.0	28.381054	25.0	741056.0	1.135242	Y
7	IC 240-664587/10	37.5	44.548592	25.0	738855.0	1.187962	Y
8	IC 240-664587/11	50.0	57.210136	25.0	767801.0	1.144203	Y
9	IC 240-664587/12	62.5	69.769238	25.0	769386.0	1.116308	Y



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Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

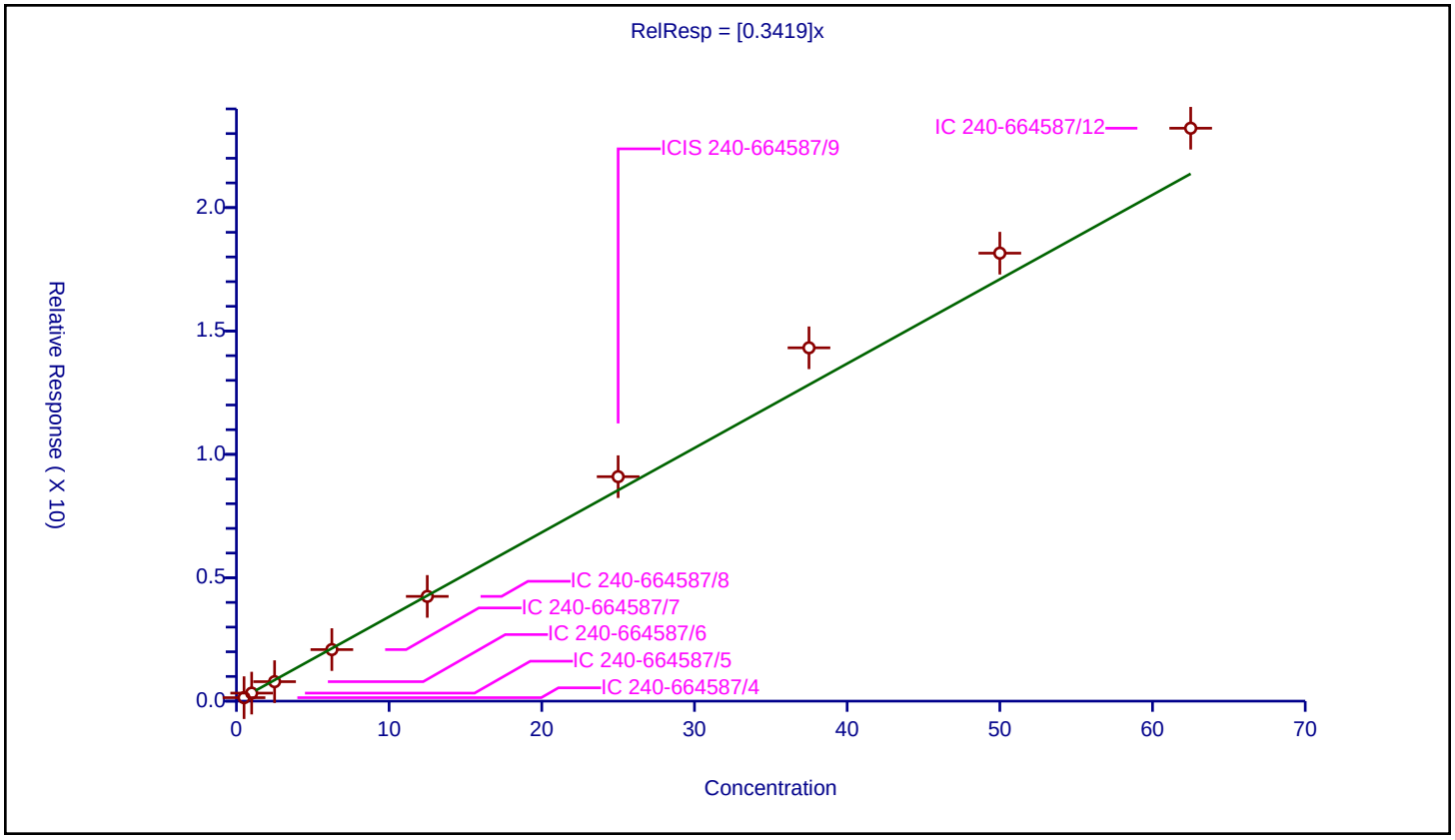
Curve Coefficients

Intercept:	0
Slope:	0.3419

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.141032	25.0	748765.0	0.282064	Y
2	IC 240-664587/5	1.0	0.32535	25.0	725373.0	0.32535	Y
3	IC 240-664587/6	2.5	0.78994	25.0	751481.0	0.315976	Y
4	IC 240-664587/7	6.25	2.088976	25.0	731076.0	0.334236	Y
5	IC 240-664587/8	12.5	4.244486	25.0	745909.0	0.339559	Y
6	ICIS 240-664587/9	25.0	9.095804	25.0	741056.0	0.363832	Y
7	IC 240-664587/10	37.5	14.318439	25.0	738855.0	0.381825	Y
8	IC 240-664587/11	50.0	18.153434	25.0	767801.0	0.363069	Y
9	IC 240-664587/12	62.5	23.216013	25.0	769386.0	0.371456	Y



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Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

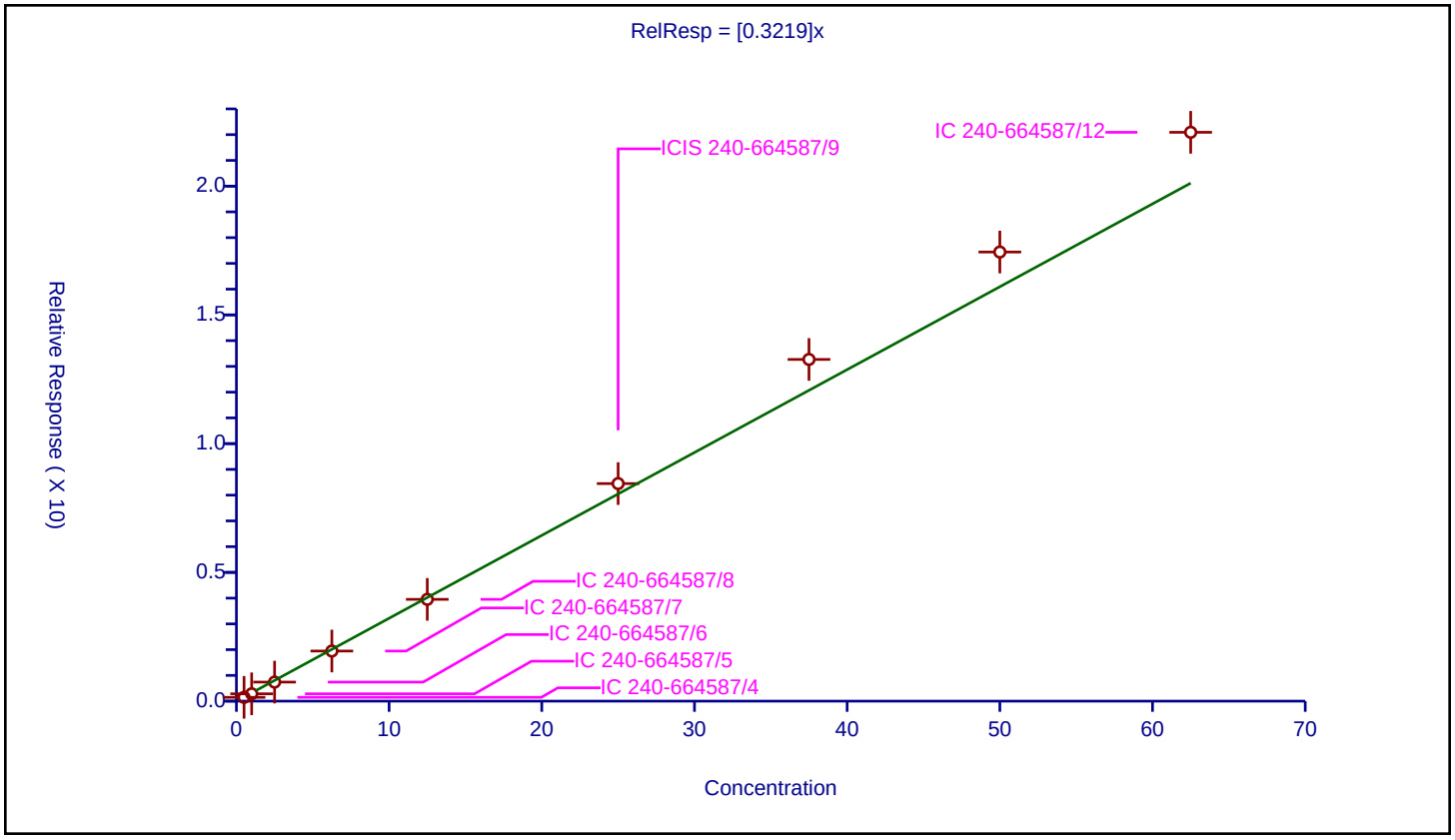
Curve Coefficients

Intercept:	0
Slope:	0.3219

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.147209	25.0	748765.0	0.294418	Y
2	IC 240-664587/5	1.0	0.284578	25.0	725373.0	0.284578	Y
3	IC 240-664587/6	2.5	0.740105	25.0	751481.0	0.296042	Y
4	IC 240-664587/7	6.25	1.946104	25.0	731076.0	0.311377	Y
5	IC 240-664587/8	12.5	3.95266	25.0	745909.0	0.316213	Y
6	ICIS 240-664587/9	25.0	8.448889	25.0	741056.0	0.337956	Y
7	IC 240-664587/10	37.5	13.270127	25.0	738855.0	0.35387	Y
8	IC 240-664587/11	50.0	17.441238	25.0	767801.0	0.348825	Y
9	IC 240-664587/12	62.5	22.09109	25.0	769386.0	0.353457	Y



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Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

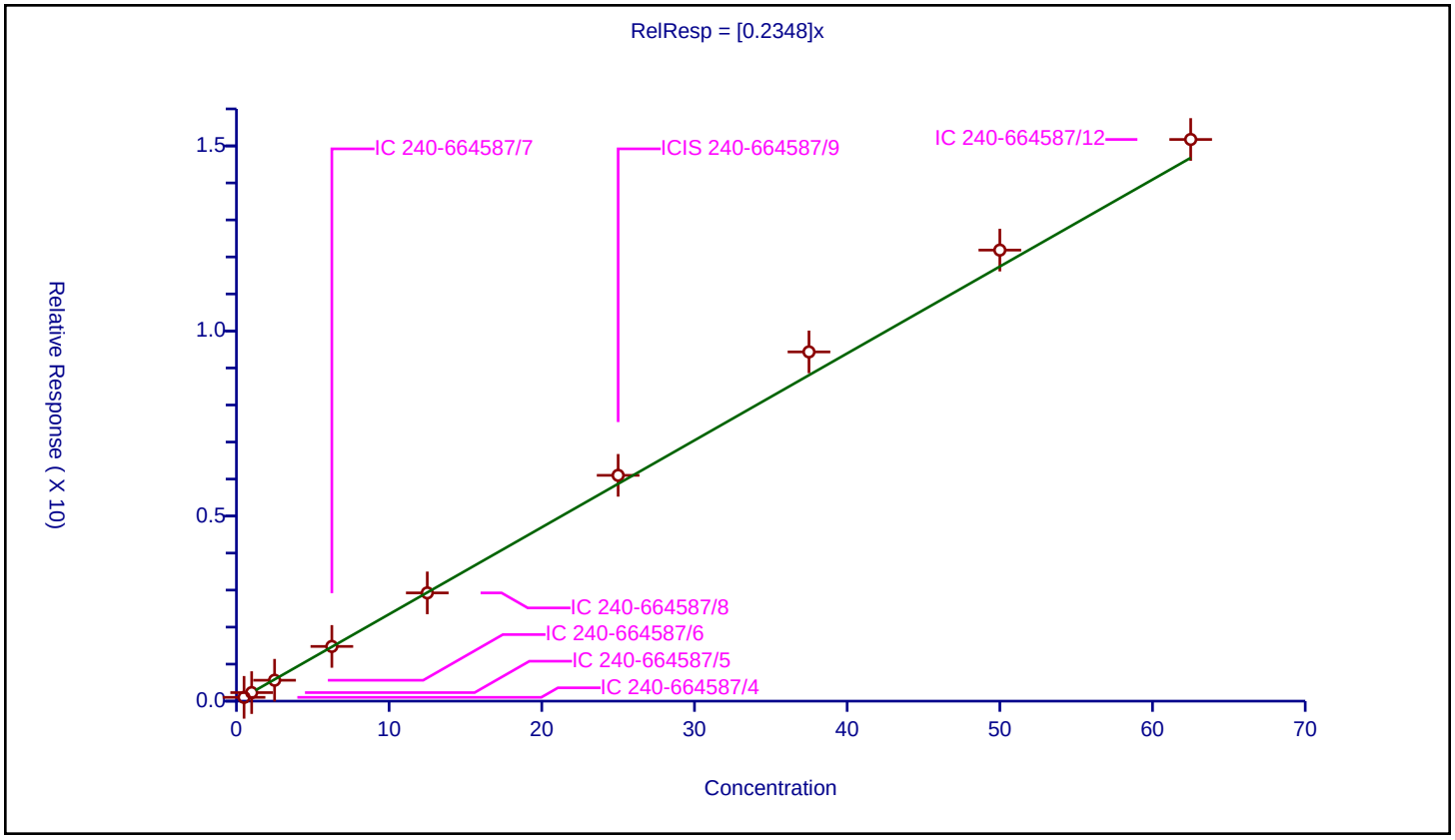
Curve Coefficients

Intercept:	0
Slope:	0.2348

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.102202	25.0	748765.0	0.204403	Y
2	IC 240-664587/5	1.0	0.230743	25.0	725373.0	0.230743	Y
3	IC 240-664587/6	2.5	0.564652	25.0	751481.0	0.225861	Y
4	IC 240-664587/7	6.25	1.477993	25.0	731076.0	0.236479	Y
5	IC 240-664587/8	12.5	2.924619	25.0	745909.0	0.23397	Y
6	ICIS 240-664587/9	25.0	6.100787	25.0	741056.0	0.244031	Y
7	IC 240-664587/10	37.5	9.43497	25.0	738855.0	0.251599	Y
8	IC 240-664587/11	50.0	12.185123	25.0	767801.0	0.243702	Y
9	IC 240-664587/12	62.5	15.173918	25.0	769386.0	0.242783	Y



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Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

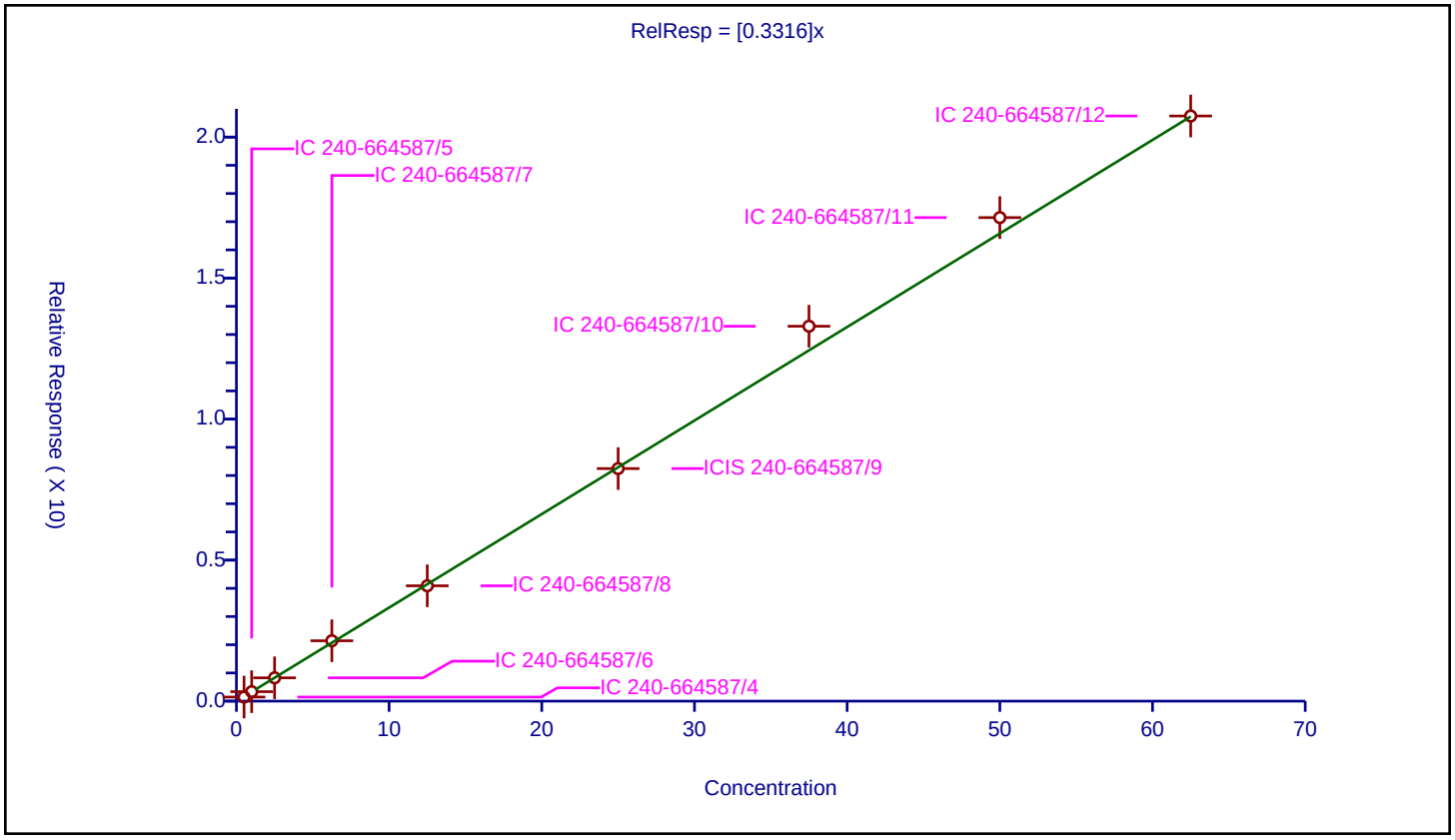
Curve Coefficients

Intercept:	0
Slope:	0.3316

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.144805	25.0	748765.0	0.28961	Y
2	IC 240-664587/5	1.0	0.335448	25.0	725373.0	0.335448	Y
3	IC 240-664587/6	2.5	0.826967	25.0	751481.0	0.330787	Y
4	IC 240-664587/7	6.25	2.140783	25.0	731076.0	0.342525	Y
5	IC 240-664587/8	12.5	4.089909	25.0	745909.0	0.327193	Y
6	ICIS 240-664587/9	25.0	8.246948	25.0	741056.0	0.329878	Y
7	IC 240-664587/10	37.5	13.293779	25.0	738855.0	0.354501	Y
8	IC 240-664587/11	50.0	17.145849	25.0	767801.0	0.342917	Y
9	IC 240-664587/12	62.5	20.748201	25.0	769386.0	0.331971	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

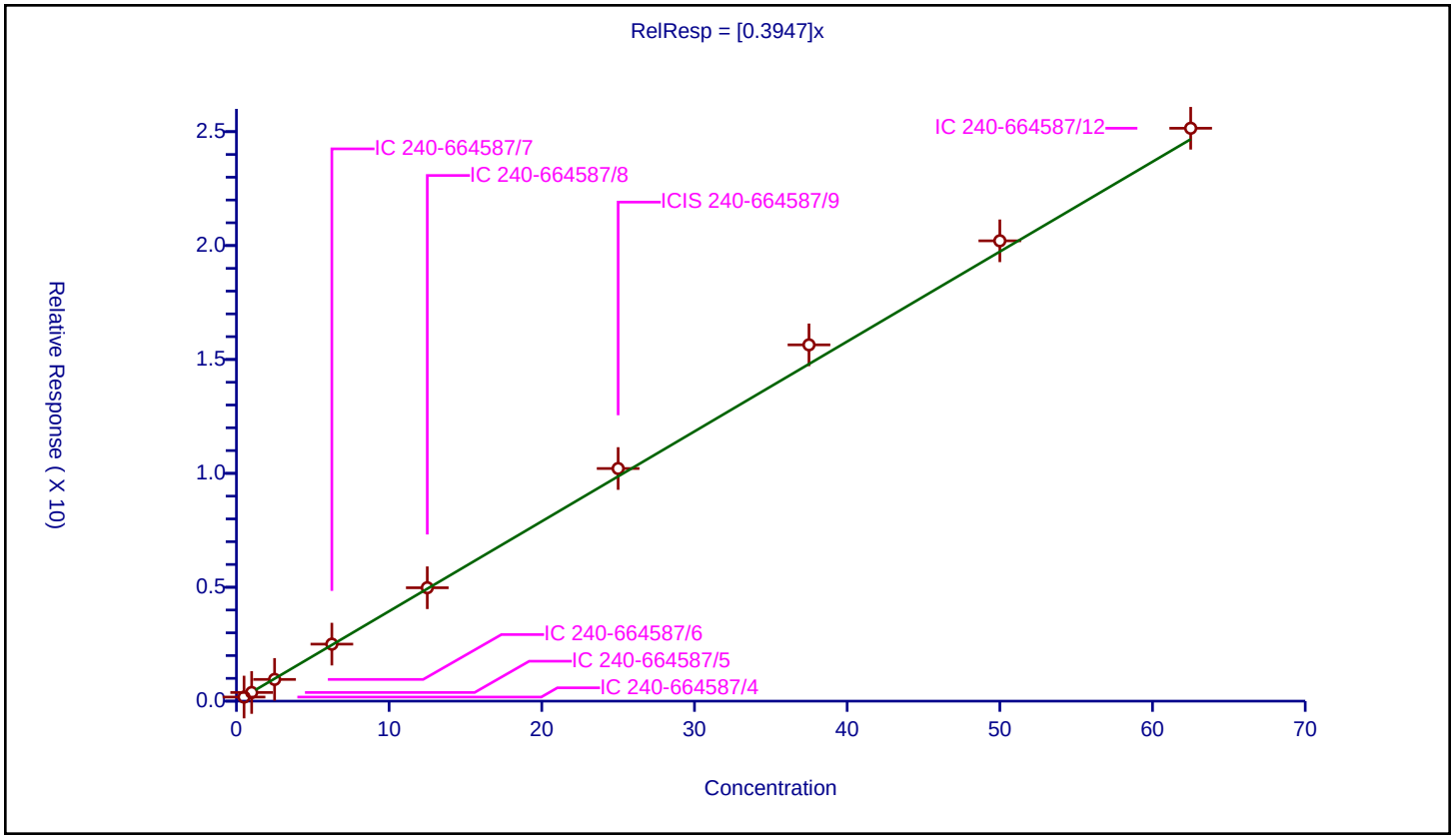
Curve Coefficients

Intercept:	0
Slope:	0.3947

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.179829	25.0	748765.0	0.359659	Y
2	IC 240-664587/5	1.0	0.379874	25.0	725373.0	0.379874	Y
3	IC 240-664587/6	2.5	0.954049	25.0	751481.0	0.38162	Y
4	IC 240-664587/7	6.25	2.502749	25.0	731076.0	0.40044	Y
5	IC 240-664587/8	12.5	4.978288	25.0	745909.0	0.398263	Y
6	ICIS 240-664587/9	25.0	10.212454	25.0	741056.0	0.408498	Y
7	IC 240-664587/10	37.5	15.642142	25.0	738855.0	0.417124	Y
8	IC 240-664587/11	50.0	20.208622	25.0	767801.0	0.404172	Y
9	IC 240-664587/12	62.5	25.150315	25.0	769386.0	0.402405	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

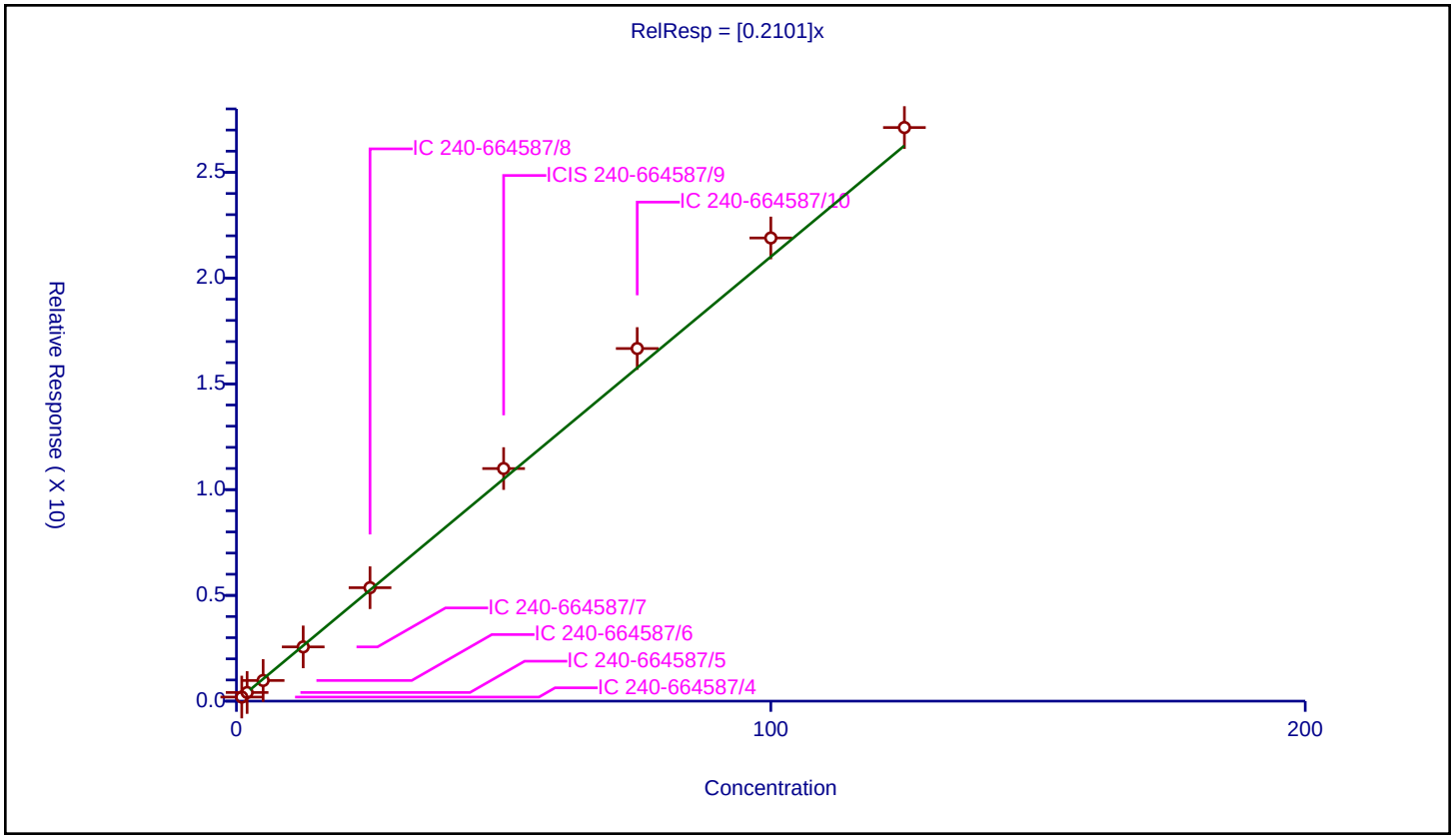
Curve Coefficients

Intercept:	0
Slope:	0.2101

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	1.0	0.193519	25.0	748765.0	0.193519	Y
2	IC 240-664587/5	2.0	0.408617	25.0	725373.0	0.204309	Y
3	IC 240-664587/6	5.0	0.976572	25.0	751481.0	0.195314	Y
4	IC 240-664587/7	12.5	2.564781	25.0	731076.0	0.205182	Y
5	IC 240-664587/8	25.0	5.363288	25.0	745909.0	0.214532	Y
6	ICIS 240-664587/9	50.0	10.995323	25.0	741056.0	0.219906	Y
7	IC 240-664587/10	75.0	16.671438	25.0	738855.0	0.222286	Y
8	IC 240-664587/11	100.0	21.89848	25.0	767801.0	0.218985	Y
9	IC 240-664587/12	125.0	27.11906	25.0	769386.0	0.216952	Y



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Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

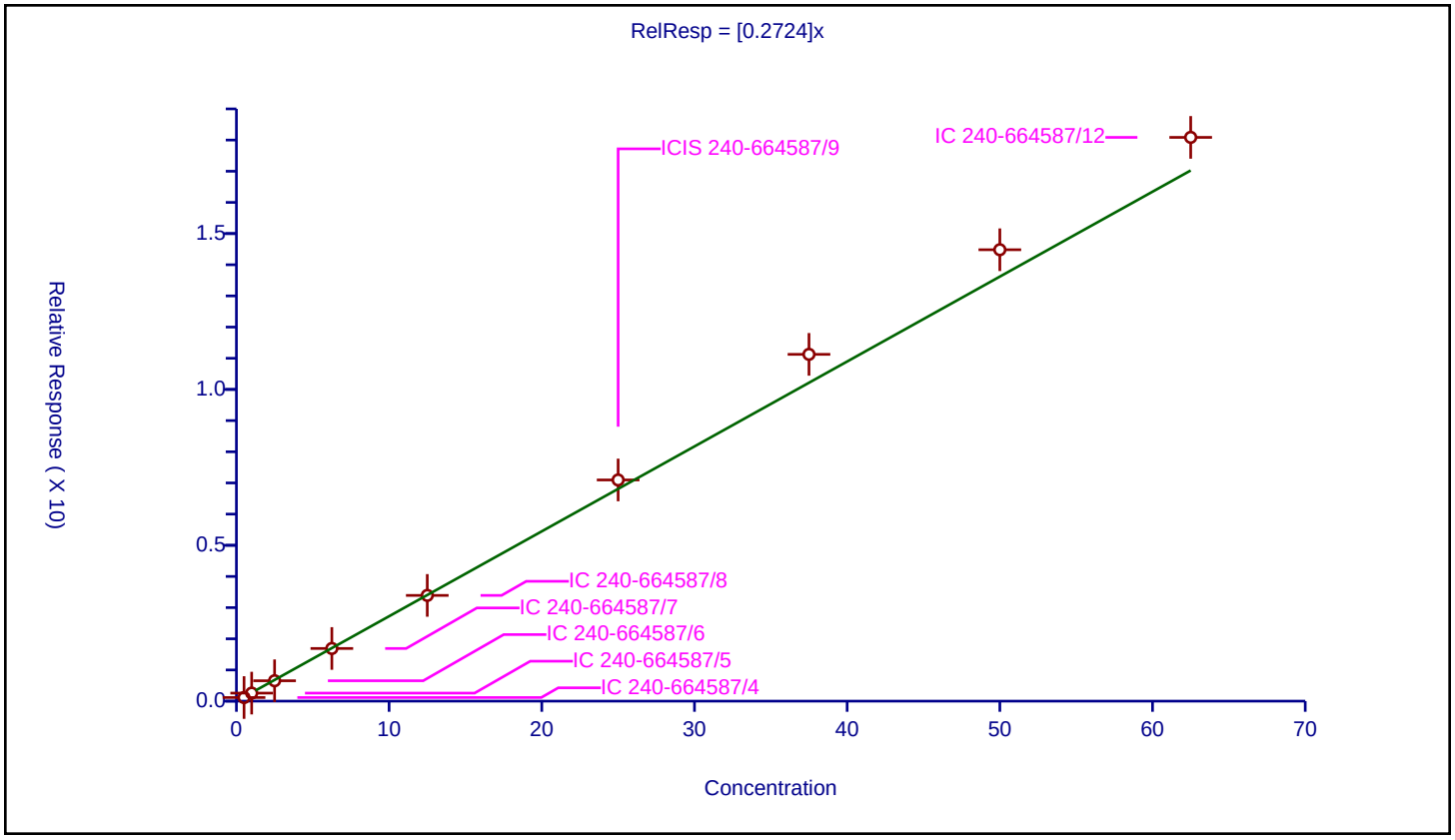
Curve Coefficients

Intercept:	0
Slope:	0.2724

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.115457	25.0	748765.0	0.230914	Y
2	IC 240-664587/5	1.0	0.257695	25.0	725373.0	0.257695	Y
3	IC 240-664587/6	2.5	0.654408	25.0	751481.0	0.261763	Y
4	IC 240-664587/7	6.25	1.689291	25.0	731076.0	0.270287	Y
5	IC 240-664587/8	12.5	3.391466	25.0	745909.0	0.271317	Y
6	ICIS 240-664587/9	25.0	7.095719	25.0	741056.0	0.283829	Y
7	IC 240-664587/10	37.5	11.125762	25.0	738855.0	0.296687	Y
8	IC 240-664587/11	50.0	14.481682	25.0	767801.0	0.289634	Y
9	IC 240-664587/12	62.5	18.085753	25.0	769386.0	0.289372	Y



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Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

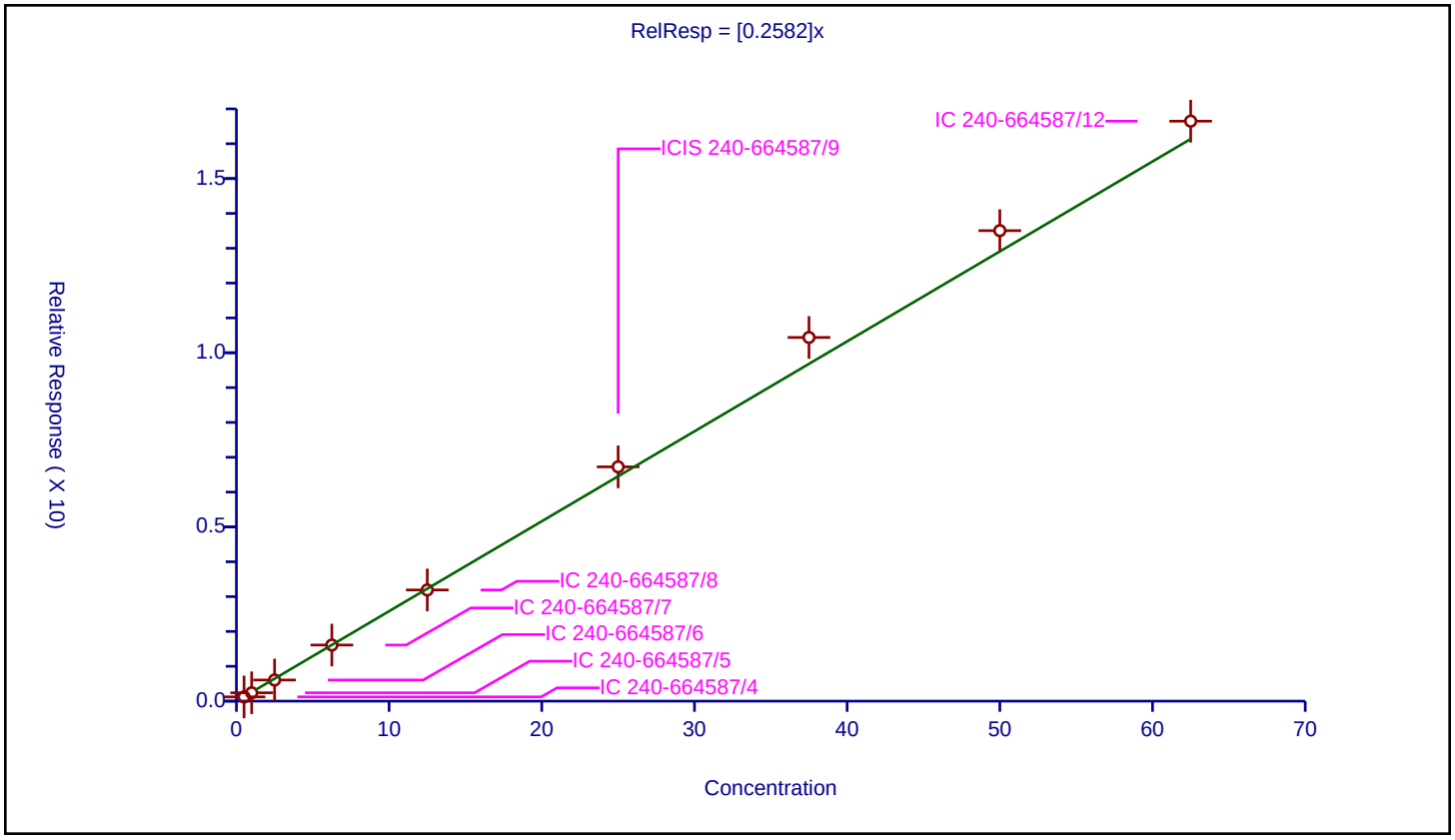
Curve Coefficients

Intercept:	0
Slope:	0.2582

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.122301	25.0	748765.0	0.244603	Y
2	IC 240-664587/5	1.0	0.239463	25.0	725373.0	0.239463	Y
3	IC 240-664587/6	2.5	0.606635	25.0	751481.0	0.242654	Y
4	IC 240-664587/7	6.25	1.610093	25.0	731076.0	0.257615	Y
5	IC 240-664587/8	12.5	3.191274	25.0	745909.0	0.255302	Y
6	ICIS 240-664587/9	25.0	6.725099	25.0	741056.0	0.269004	Y
7	IC 240-664587/10	37.5	10.43899	25.0	738855.0	0.278373	Y
8	IC 240-664587/11	50.0	13.505648	25.0	767801.0	0.270113	Y
9	IC 240-664587/12	62.5	16.647853	25.0	769386.0	0.266366	Y



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Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

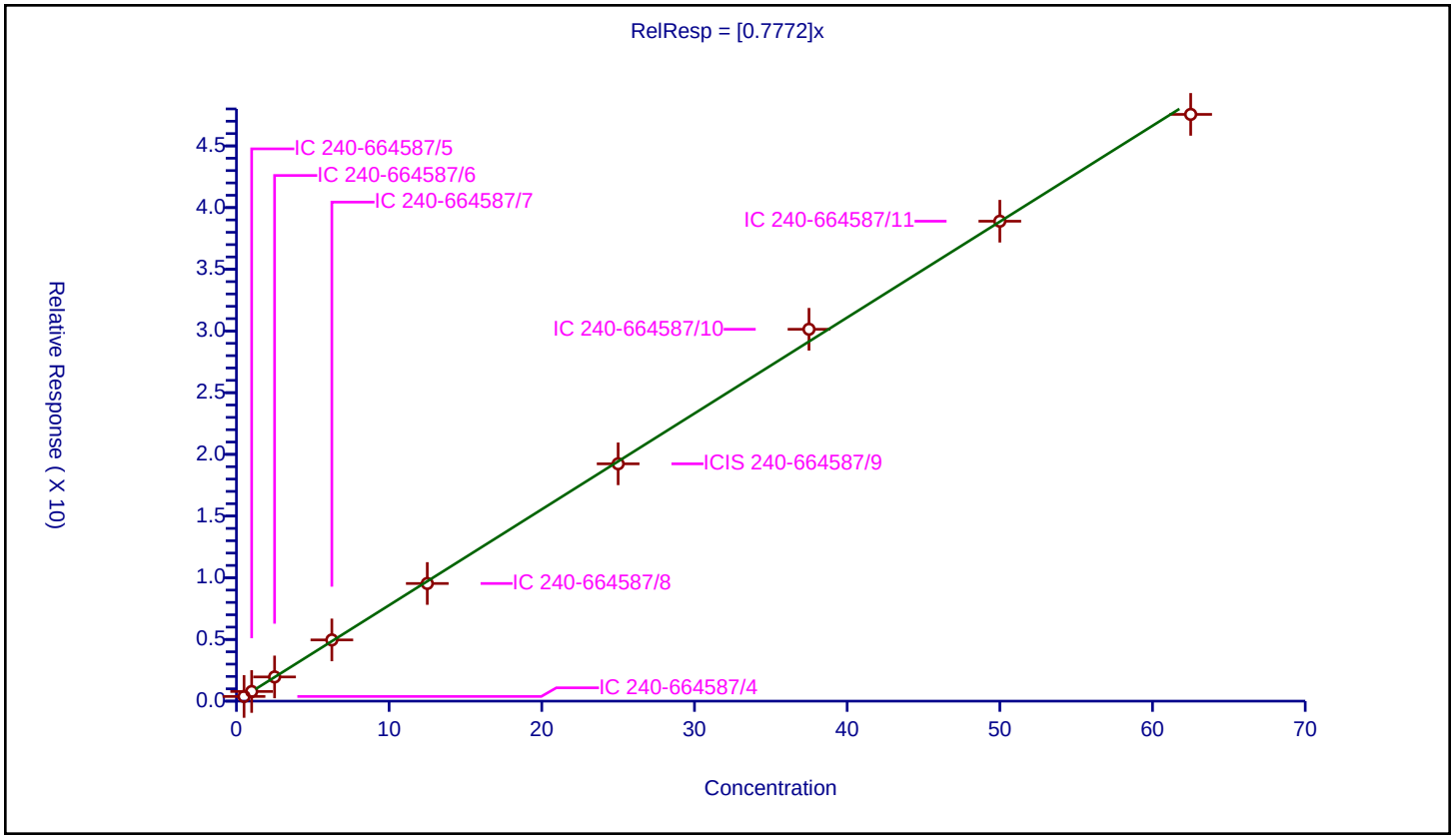
Curve Coefficients

Intercept:	0
Slope:	0.7772

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.379692	25.0	748765.0	0.759384	Y
2	IC 240-664587/5	1.0	0.782563	25.0	725373.0	0.782563	Y
3	IC 240-664587/6	2.5	1.961061	25.0	751481.0	0.784424	Y
4	IC 240-664587/7	6.25	4.960839	25.0	731076.0	0.793734	Y
5	IC 240-664587/8	12.5	9.536586	25.0	745909.0	0.762927	Y
6	ICIS 240-664587/9	25.0	19.234882	25.0	741056.0	0.769395	Y
7	IC 240-664587/10	37.5	30.138965	25.0	738855.0	0.803706	Y
8	IC 240-664587/11	50.0	38.896309	25.0	767801.0	0.777926	Y
9	IC 240-664587/12	62.5	47.555908	25.0	769386.0	0.760895	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

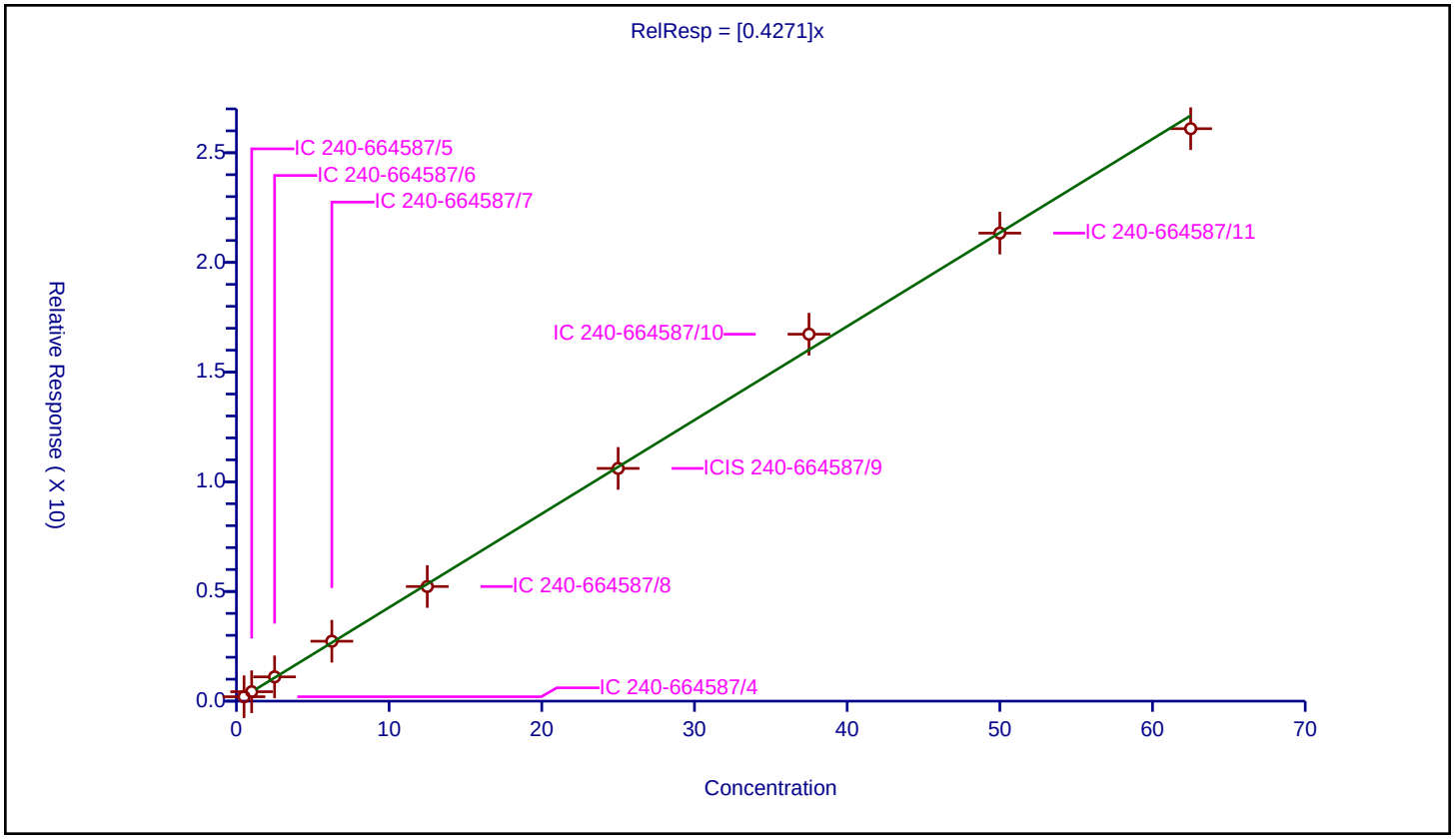
Curve Coefficients

Intercept:	0
Slope:	0.4271

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.201332	25.0	748765.0	0.402663	Y
2	IC 240-664587/5	1.0	0.429193	25.0	725373.0	0.429193	Y
3	IC 240-664587/6	2.5	1.106182	25.0	751481.0	0.442473	Y
4	IC 240-664587/7	6.25	2.731488	25.0	731076.0	0.437038	Y
5	IC 240-664587/8	12.5	5.2249	25.0	745909.0	0.417992	Y
6	ICIS 240-664587/9	25.0	10.6105	25.0	741056.0	0.42442	Y
7	IC 240-664587/10	37.5	16.729162	25.0	738855.0	0.446111	Y
8	IC 240-664587/11	50.0	21.335346	25.0	767801.0	0.426707	Y
9	IC 240-664587/12	62.5	26.097401	25.0	769386.0	0.417558	Y



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Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

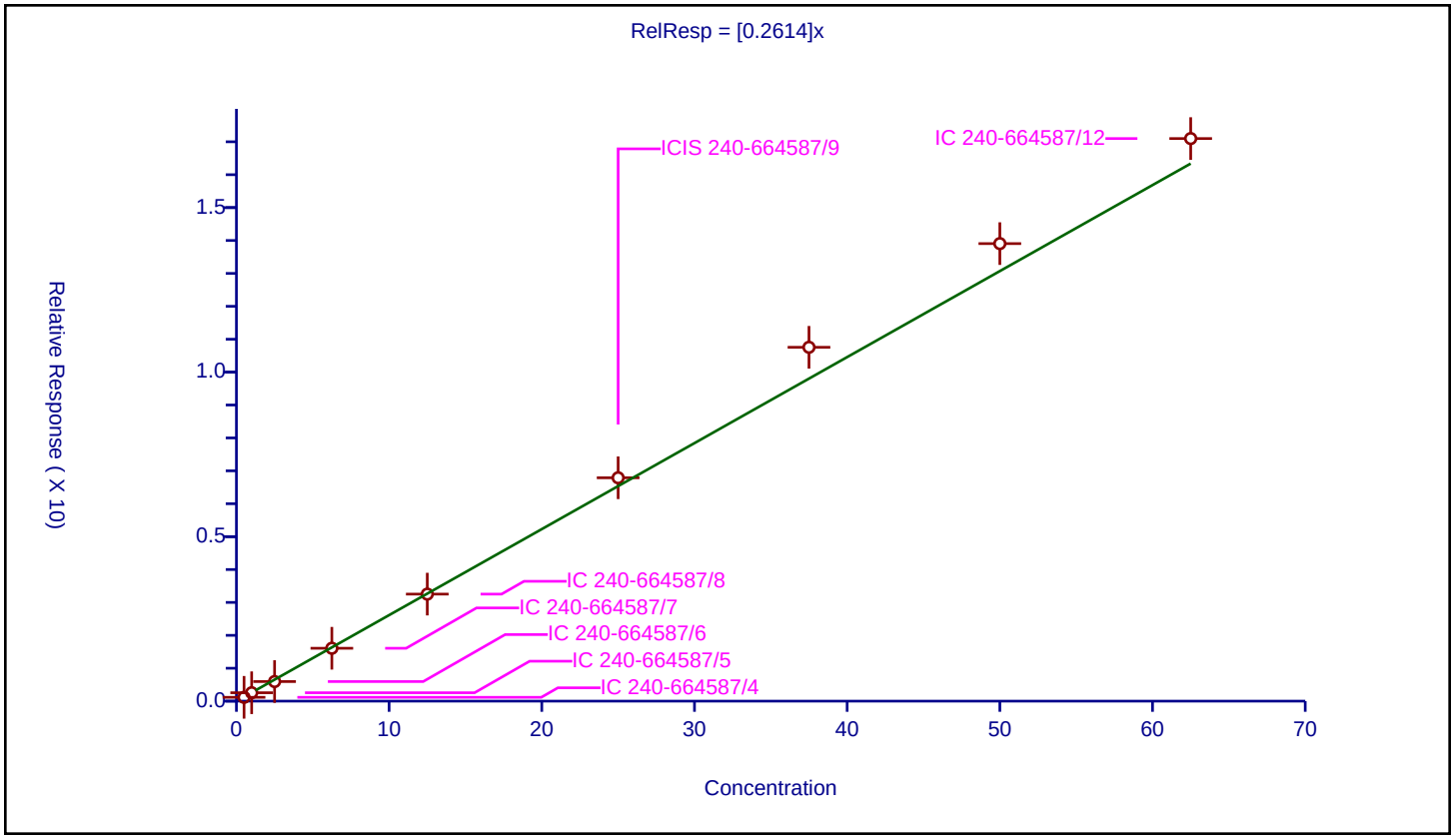
Curve Coefficients

Intercept:	0
Slope:	0.2614

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.115757	25.0	748765.0	0.231515	Y
2	IC 240-664587/5	1.0	0.255593	25.0	725373.0	0.255593	Y
3	IC 240-664587/6	2.5	0.595424	25.0	751481.0	0.23817	Y
4	IC 240-664587/7	6.25	1.606946	25.0	731076.0	0.257111	Y
5	IC 240-664587/8	12.5	3.252609	25.0	745909.0	0.260209	Y
6	ICIS 240-664587/9	25.0	6.788826	25.0	741056.0	0.271553	Y
7	IC 240-664587/10	37.5	10.754038	25.0	738855.0	0.286774	Y
8	IC 240-664587/11	50.0	13.905654	25.0	767801.0	0.278113	Y
9	IC 240-664587/12	62.5	17.098407	25.0	769386.0	0.273575	Y



Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

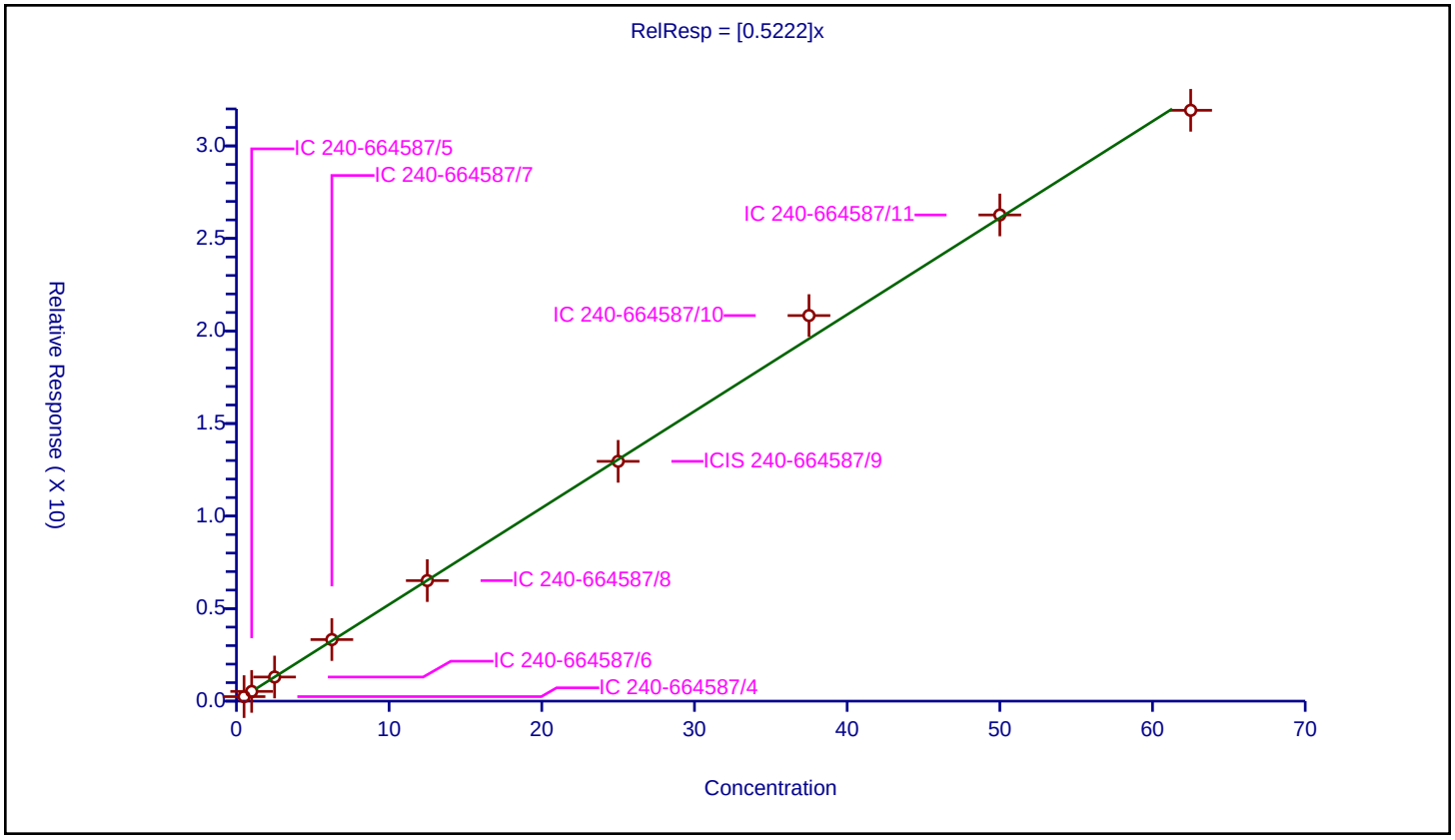
Curve Coefficients

Intercept:	0
Slope:	0.5222

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.244603	25.0	748765.0	0.489206	Y
2	IC 240-664587/5	1.0	0.525764	25.0	725373.0	0.525764	Y
3	IC 240-664587/6	2.5	1.303027	25.0	751481.0	0.521211	Y
4	IC 240-664587/7	6.25	3.326159	25.0	731076.0	0.532185	Y
5	IC 240-664587/8	12.5	6.513026	25.0	745909.0	0.521042	Y
6	ICIS 240-664587/9	25.0	12.95641	25.0	741056.0	0.518256	Y
7	IC 240-664587/10	37.5	20.833689	25.0	738855.0	0.555565	Y
8	IC 240-664587/11	50.0	26.270186	25.0	767801.0	0.525404	Y
9	IC 240-664587/12	62.5	31.9238	25.0	769386.0	0.510781	Y



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Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

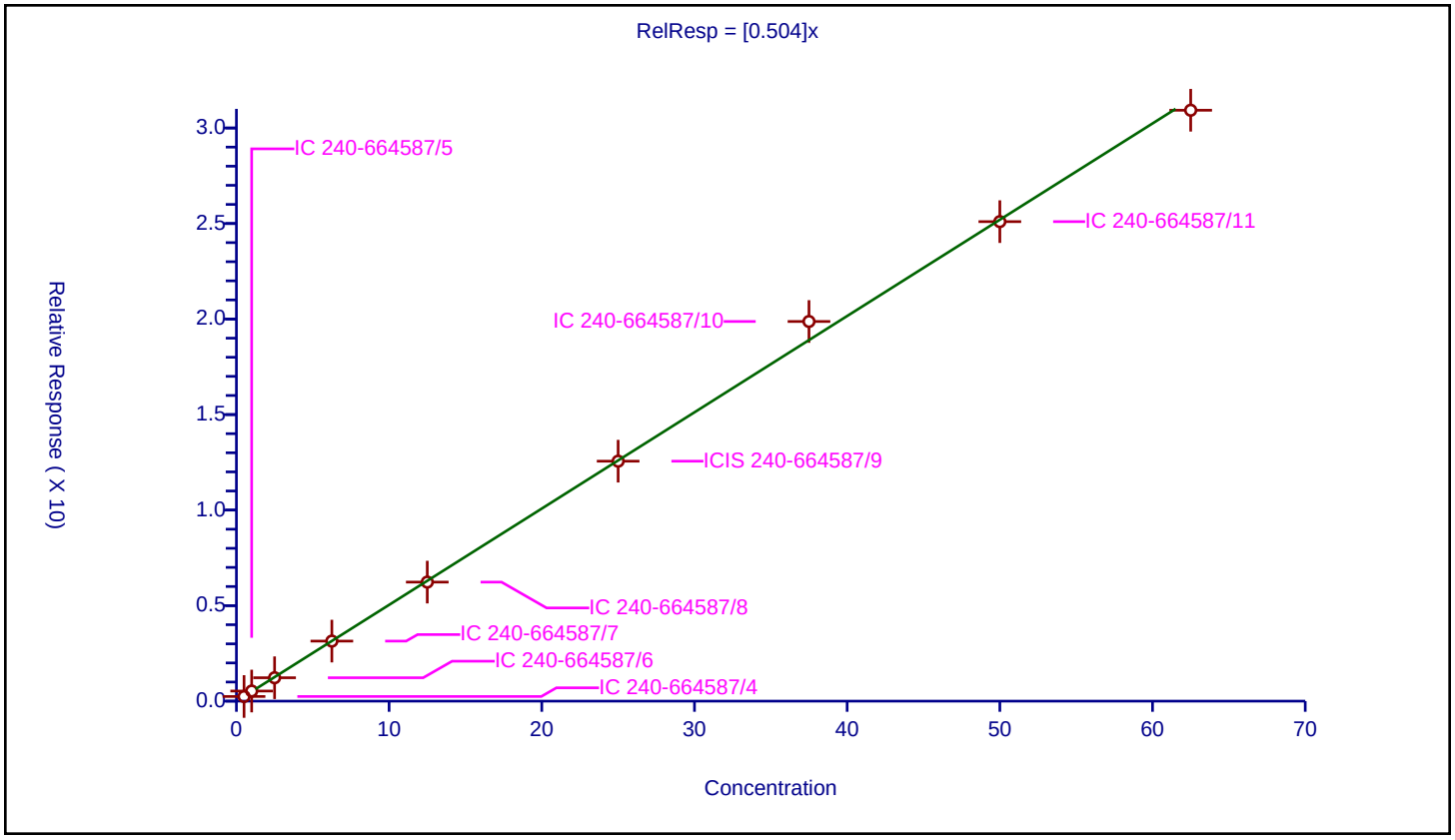
Curve Coefficients

Intercept:	0
Slope:	0.504

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.2429	25.0	748765.0	0.4858	Y
2	IC 240-664587/5	1.0	0.529555	25.0	725373.0	0.529555	Y
3	IC 240-664587/6	2.5	1.224648	25.0	751481.0	0.489859	Y
4	IC 240-664587/7	6.25	3.142355	25.0	731076.0	0.502777	Y
5	IC 240-664587/8	12.5	6.230385	25.0	745909.0	0.498431	Y
6	ICIS 240-664587/9	25.0	12.560016	25.0	741056.0	0.502401	Y
7	IC 240-664587/10	37.5	19.872438	25.0	738855.0	0.529932	Y
8	IC 240-664587/11	50.0	25.099049	25.0	767801.0	0.501981	Y
9	IC 240-664587/12	62.5	30.928396	25.0	769386.0	0.494854	Y



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Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

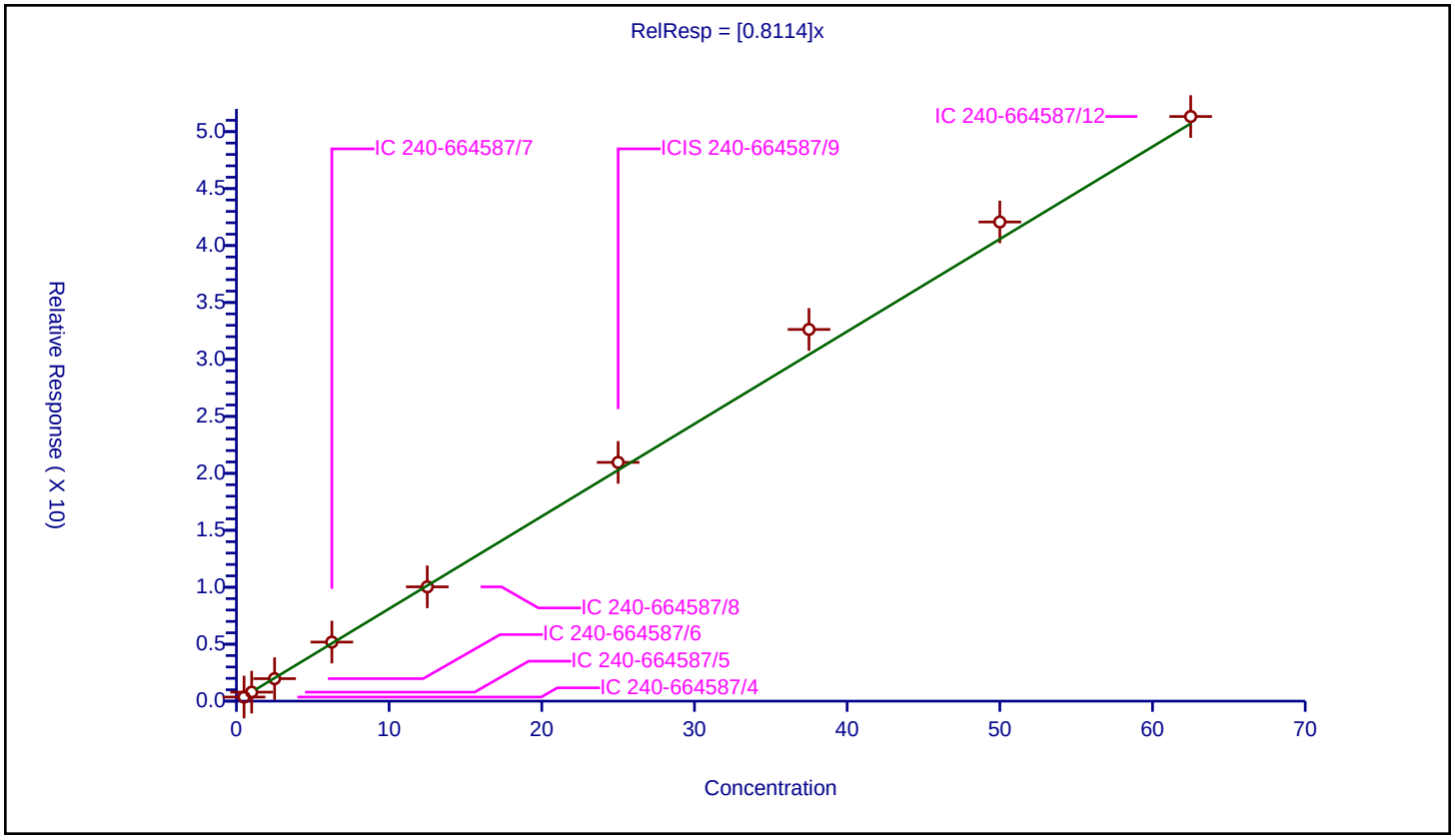
Curve Coefficients

Intercept:	0
Slope:	0.8114

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.359959	25.0	748765.0	0.719919	Y
2	IC 240-664587/5	1.0	0.788698	25.0	725373.0	0.788698	Y
3	IC 240-664587/6	2.5	1.973669	25.0	751481.0	0.789468	Y
4	IC 240-664587/7	6.25	5.186294	25.0	731076.0	0.829807	Y
5	IC 240-664587/8	12.5	10.036747	25.0	745909.0	0.80294	Y
6	ICIS 240-664587/9	25.0	20.963429	25.0	741056.0	0.838537	Y
7	IC 240-664587/10	37.5	32.634752	25.0	738855.0	0.87026	Y
8	IC 240-664587/11	50.0	42.069592	25.0	767801.0	0.841392	Y
9	IC 240-664587/12	62.5	51.331451	25.0	769386.0	0.821303	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

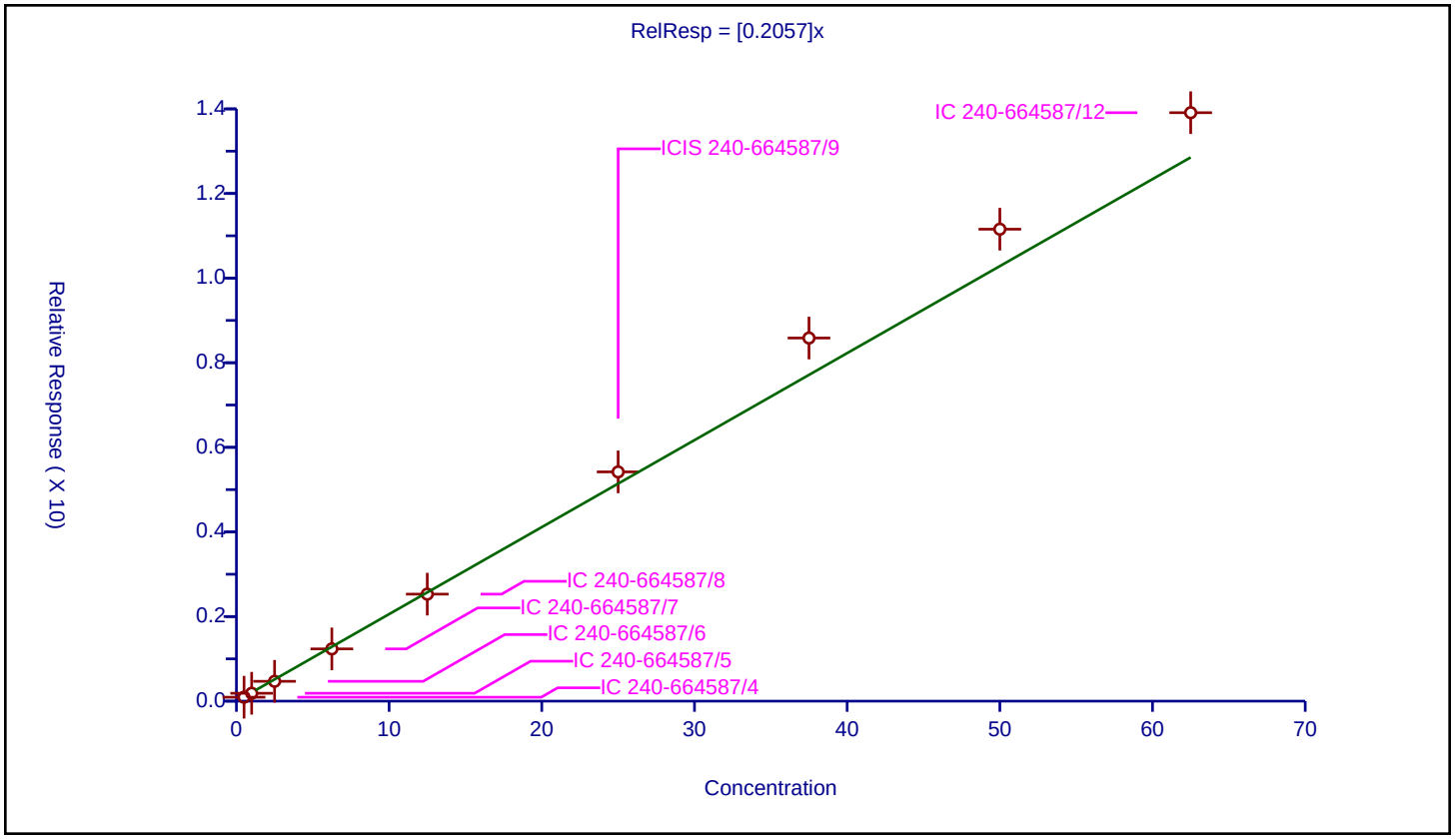
Curve Coefficients

Intercept:	0
Slope:	0.2057

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.09312	25.0	748765.0	0.18624	Y
2	IC 240-664587/5	1.0	0.185973	25.0	725373.0	0.185973	Y
3	IC 240-664587/6	2.5	0.468708	25.0	751481.0	0.187483	Y
4	IC 240-664587/7	6.25	1.234653	25.0	731076.0	0.197544	Y
5	IC 240-664587/8	12.5	2.529498	25.0	745909.0	0.20236	Y
6	ICIS 240-664587/9	25.0	5.418922	25.0	741056.0	0.216757	Y
7	IC 240-664587/10	37.5	8.583687	25.0	738855.0	0.228898	Y
8	IC 240-664587/11	50.0	11.156374	25.0	767801.0	0.223127	Y
9	IC 240-664587/12	62.5	13.909955	25.0	769386.0	0.222559	Y



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Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

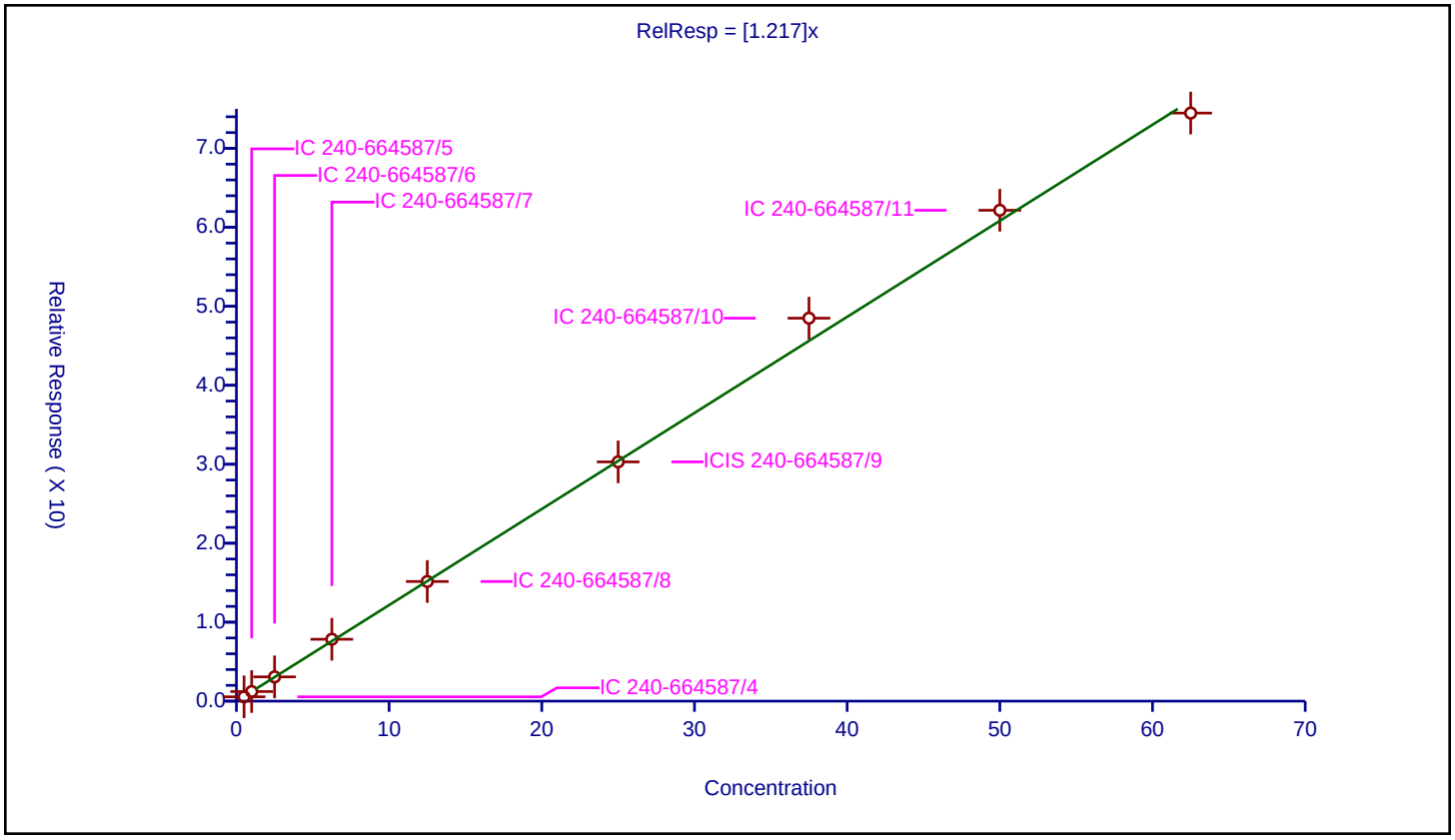
Curve Coefficients

Intercept:	0
Slope:	1.217

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.548336	25.0	748765.0	1.096673	Y
2	IC 240-664587/5	1.0	1.217098	25.0	725373.0	1.217098	Y
3	IC 240-664587/6	2.5	3.073098	25.0	751481.0	1.229239	Y
4	IC 240-664587/7	6.25	7.837352	25.0	731076.0	1.253976	Y
5	IC 240-664587/8	12.5	15.15158	25.0	745909.0	1.212126	Y
6	ICIS 240-664587/9	25.0	30.301253	25.0	741056.0	1.21205	Y
7	IC 240-664587/10	37.5	48.496424	25.0	738855.0	1.293238	Y
8	IC 240-664587/11	50.0	62.161582	25.0	767801.0	1.243232	Y
9	IC 240-664587/12	62.5	74.469707	25.0	769386.0	1.191515	Y



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Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

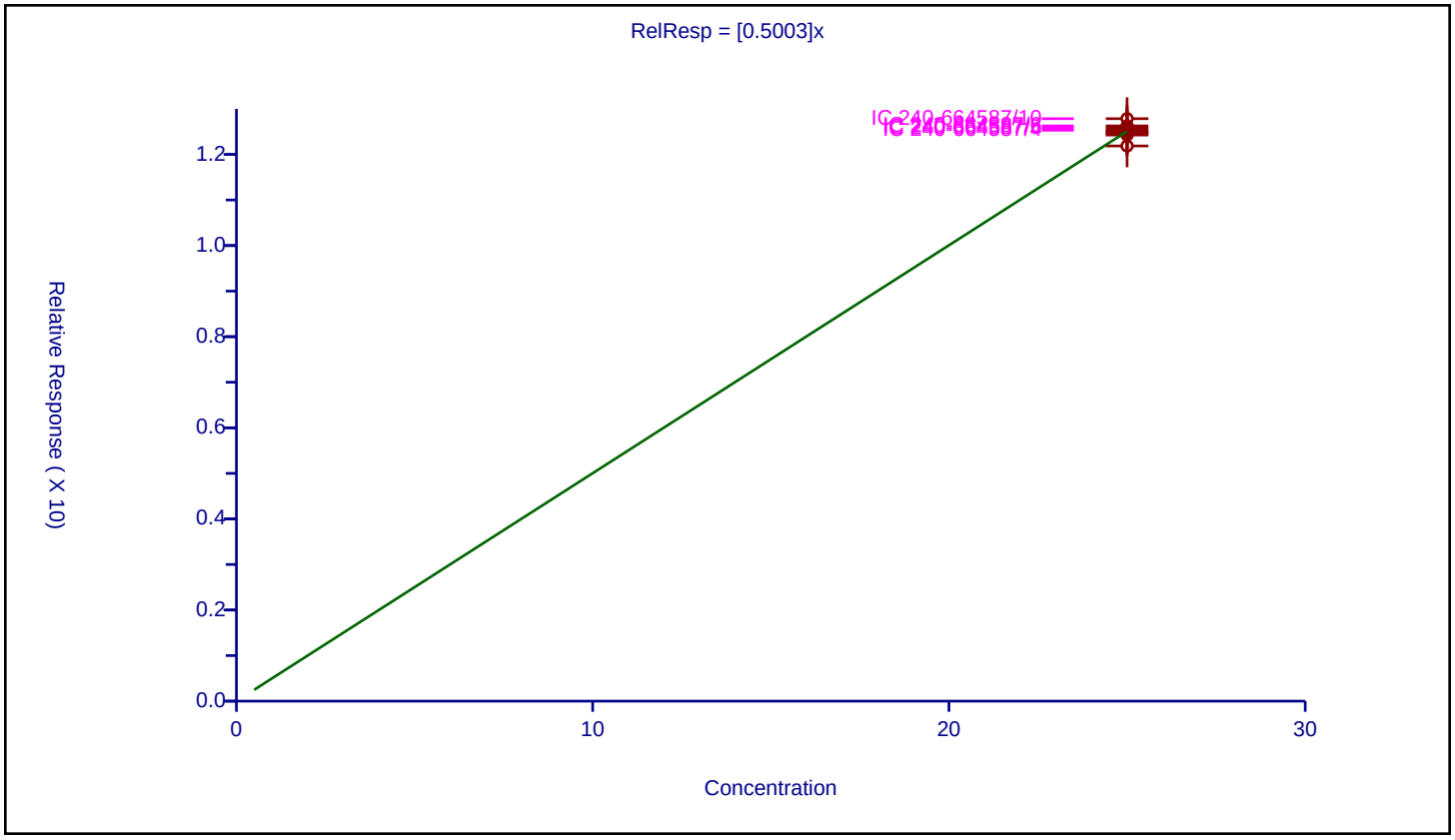
Curve Coefficients

Intercept:	0
Slope:	0.5003

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	25.0	12.531302	25.0	748765.0	0.501252	Y
2	IC 240-664587/5	25.0	12.578012	25.0	725373.0	0.50312	Y
3	IC 240-664587/6	25.0	12.626367	25.0	751481.0	0.505055	Y
4	IC 240-664587/7	25.0	12.500821	25.0	731076.0	0.500033	Y
5	IC 240-664587/8	25.0	12.186004	25.0	745909.0	0.48744	Y
6	ICIS 240-664587/9	25.0	12.442751	25.0	741056.0	0.49771	Y
7	IC 240-664587/10	25.0	12.785086	25.0	738855.0	0.511403	Y
8	IC 240-664587/11	25.0	12.489955	25.0	767801.0	0.499598	Y
9	IC 240-664587/12	25.0	12.425915	25.0	769386.0	0.497037	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

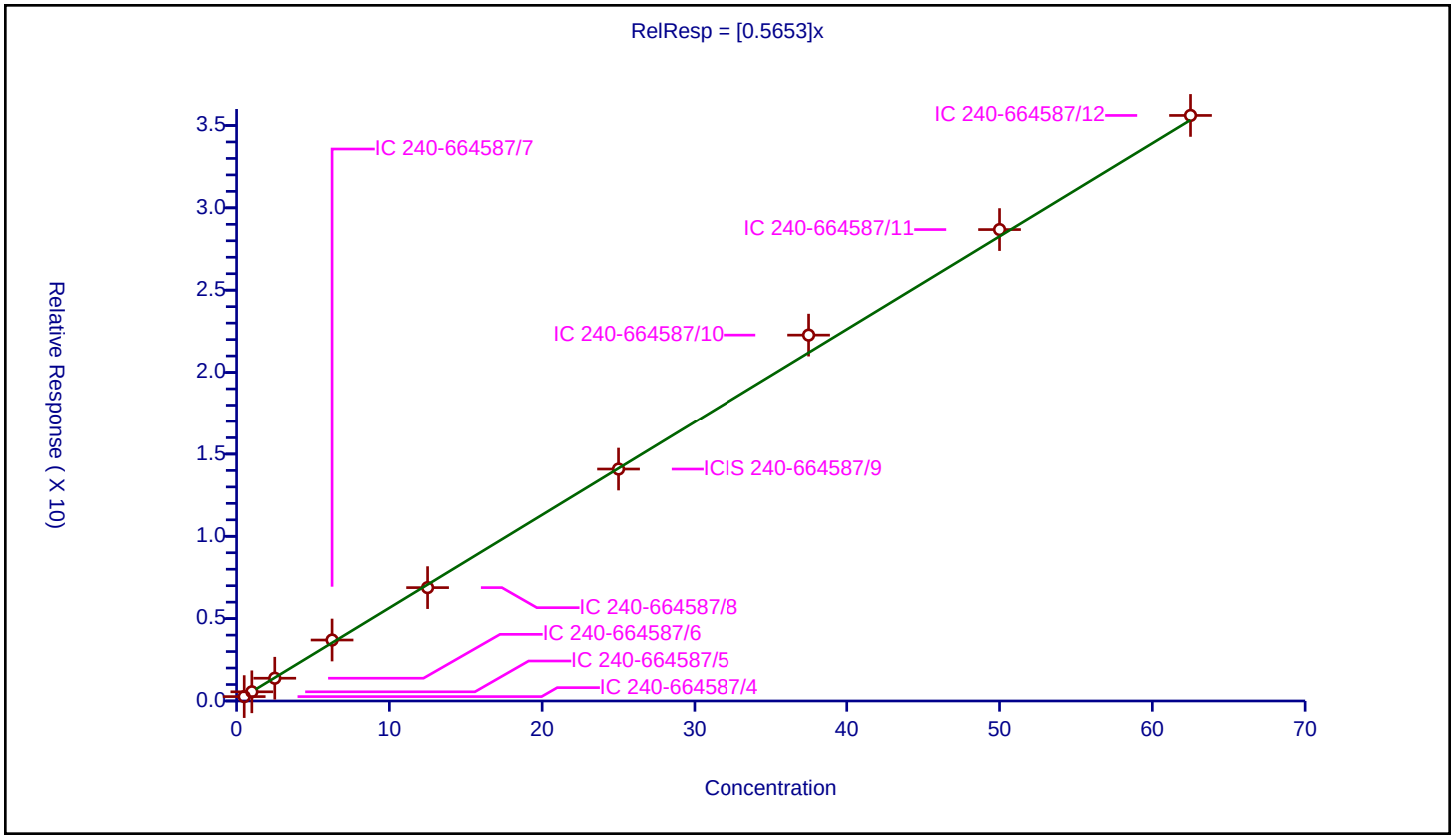
Curve Coefficients

Intercept:	0
Slope:	0.5653

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.266782	25.0	455615.0	0.533565	Y
2	IC 240-664587/5	1.0	0.558339	25.0	436921.0	0.558339	Y
3	IC 240-664587/6	2.5	1.381739	25.0	452039.0	0.552696	Y
4	IC 240-664587/7	6.25	3.700966	25.0	433218.0	0.592155	Y
5	IC 240-664587/8	12.5	6.882851	25.0	446679.0	0.550628	Y
6	ICIS 240-664587/9	25.0	14.084117	25.0	445548.0	0.563365	Y
7	IC 240-664587/10	37.5	22.271762	25.0	437920.0	0.593914	Y
8	IC 240-664587/11	50.0	28.681036	25.0	450634.0	0.573621	Y
9	IC 240-664587/12	62.5	35.609302	25.0	453166.0	0.569749	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

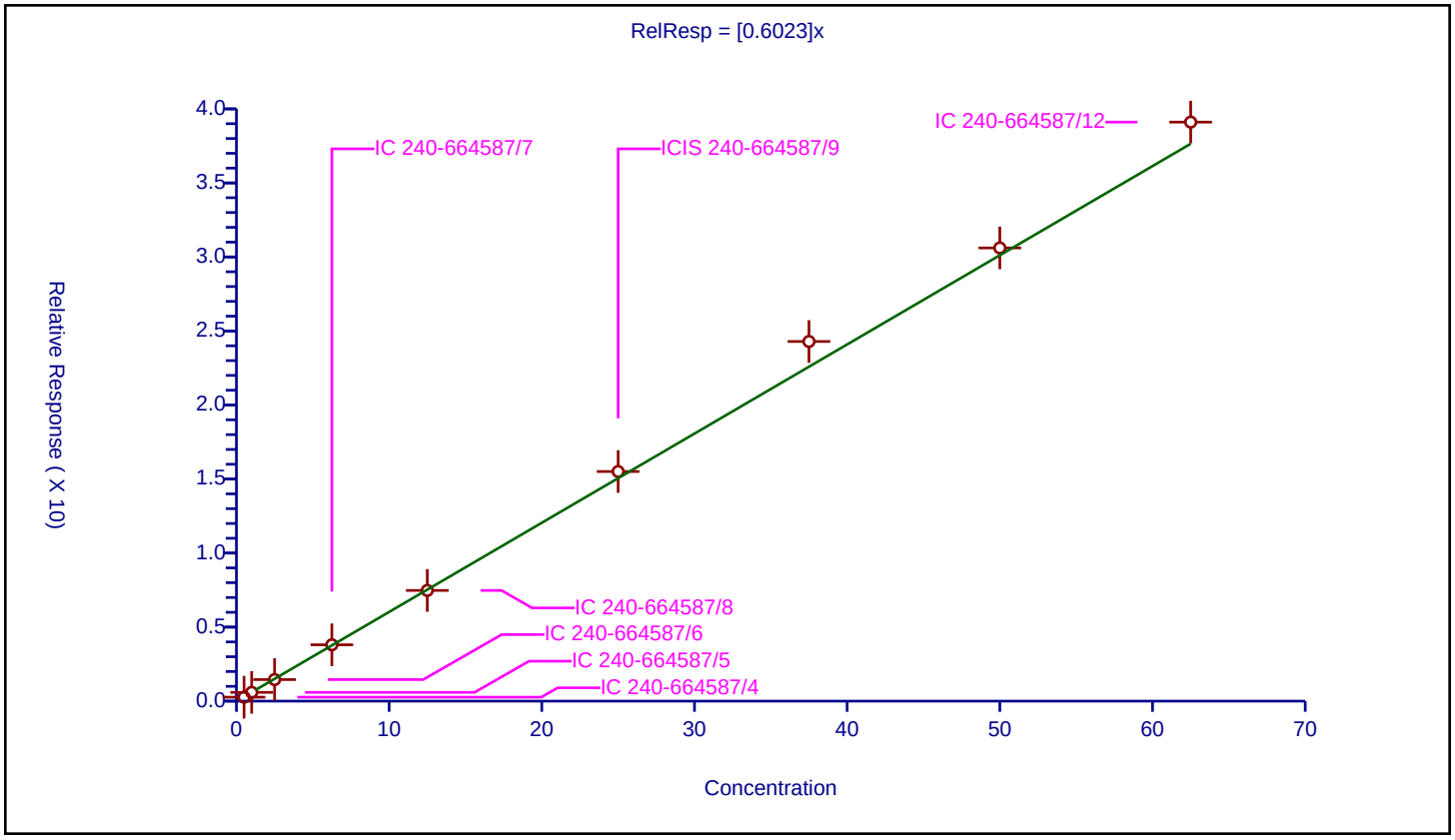
Curve Coefficients

Intercept:	0
Slope:	0.6023

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.266343	25.0	455615.0	0.532687	Y
2	IC 240-664587/5	1.0	0.592498	25.0	436921.0	0.592498	Y
3	IC 240-664587/6	2.5	1.455737	25.0	452039.0	0.582295	Y
4	IC 240-664587/7	6.25	3.805648	25.0	433218.0	0.608904	Y
5	IC 240-664587/8	12.5	7.477517	25.0	446679.0	0.598201	Y
6	ICIS 240-664587/9	25.0	15.507981	25.0	445548.0	0.620319	Y
7	IC 240-664587/10	37.5	24.291423	25.0	437920.0	0.647771	Y
8	IC 240-664587/11	50.0	30.610651	25.0	450634.0	0.612213	Y
9	IC 240-664587/12	62.5	39.10791	25.0	453166.0	0.625727	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

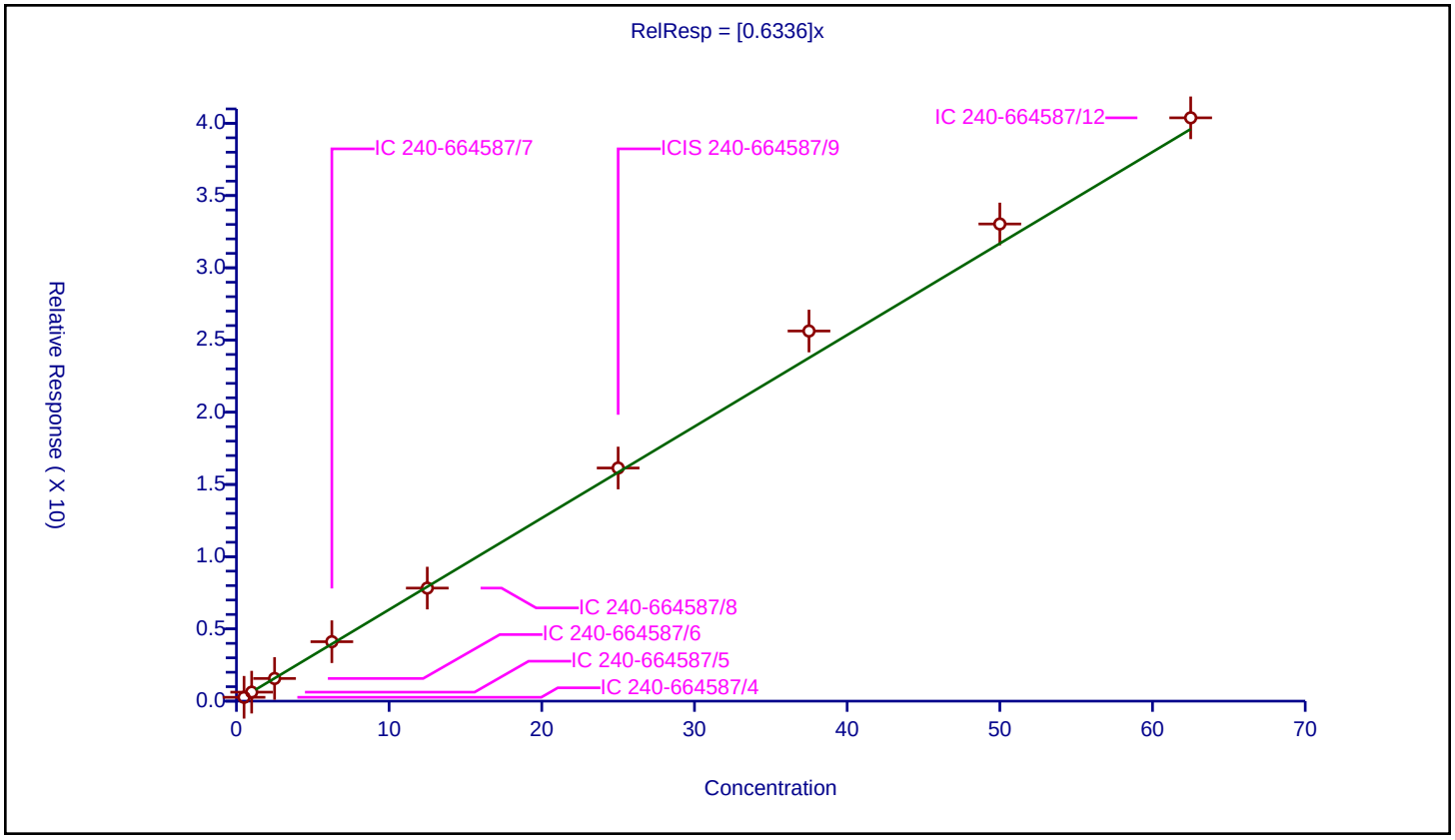
Curve Coefficients

Intercept:	0
Slope:	0.6336

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.266234	25.0	455615.0	0.532467	Y
2	IC 240-664587/5	1.0	0.622824	25.0	436921.0	0.622824	Y
3	IC 240-664587/6	2.5	1.568449	25.0	452039.0	0.627379	Y
4	IC 240-664587/7	6.25	4.11473	25.0	433218.0	0.658357	Y
5	IC 240-664587/8	12.5	7.82609	25.0	446679.0	0.626087	Y
6	ICIS 240-664587/9	25.0	16.13917	25.0	445548.0	0.645567	Y
7	IC 240-664587/10	37.5	25.622431	25.0	437920.0	0.683265	Y
8	IC 240-664587/11	50.0	33.03346	25.0	450634.0	0.660669	Y
9	IC 240-664587/12	62.5	40.382498	25.0	453166.0	0.64612	Y



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Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

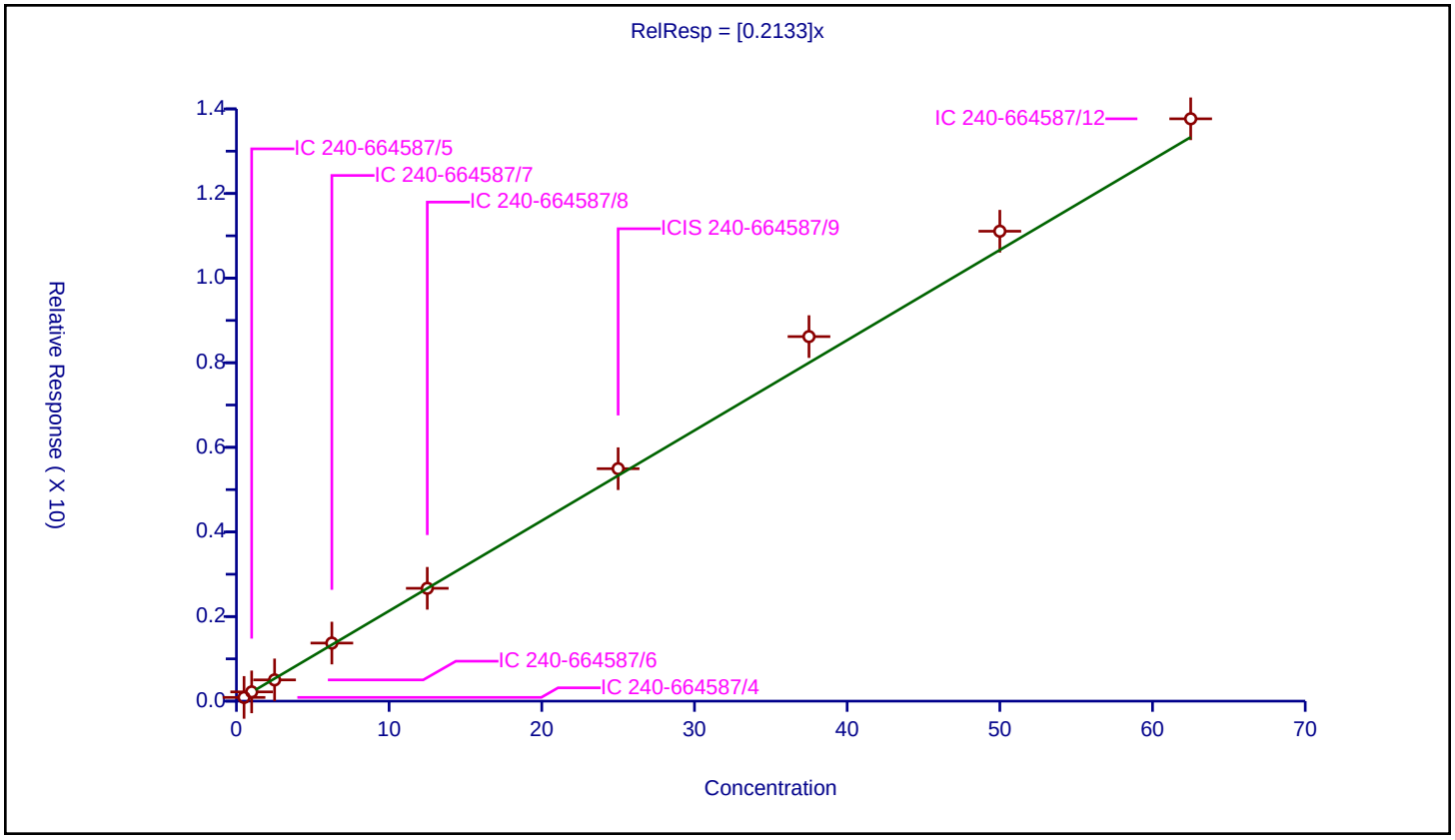
Curve Coefficients

Intercept:	0
Slope:	0.2133

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.087519	25.0	455615.0	0.175038	Y
2	IC 240-664587/5	1.0	0.218747	25.0	436921.0	0.218747	Y
3	IC 240-664587/6	2.5	0.50228	25.0	452039.0	0.200912	Y
4	IC 240-664587/7	6.25	1.37275	25.0	433218.0	0.21964	Y
5	IC 240-664587/8	12.5	2.667408	25.0	446679.0	0.213393	Y
6	ICIS 240-664587/9	25.0	5.494919	25.0	445548.0	0.219797	Y
7	IC 240-664587/10	37.5	8.617556	25.0	437920.0	0.229801	Y
8	IC 240-664587/11	50.0	11.108516	25.0	450634.0	0.22217	Y
9	IC 240-664587/12	62.5	13.766037	25.0	453166.0	0.220257	Y



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Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

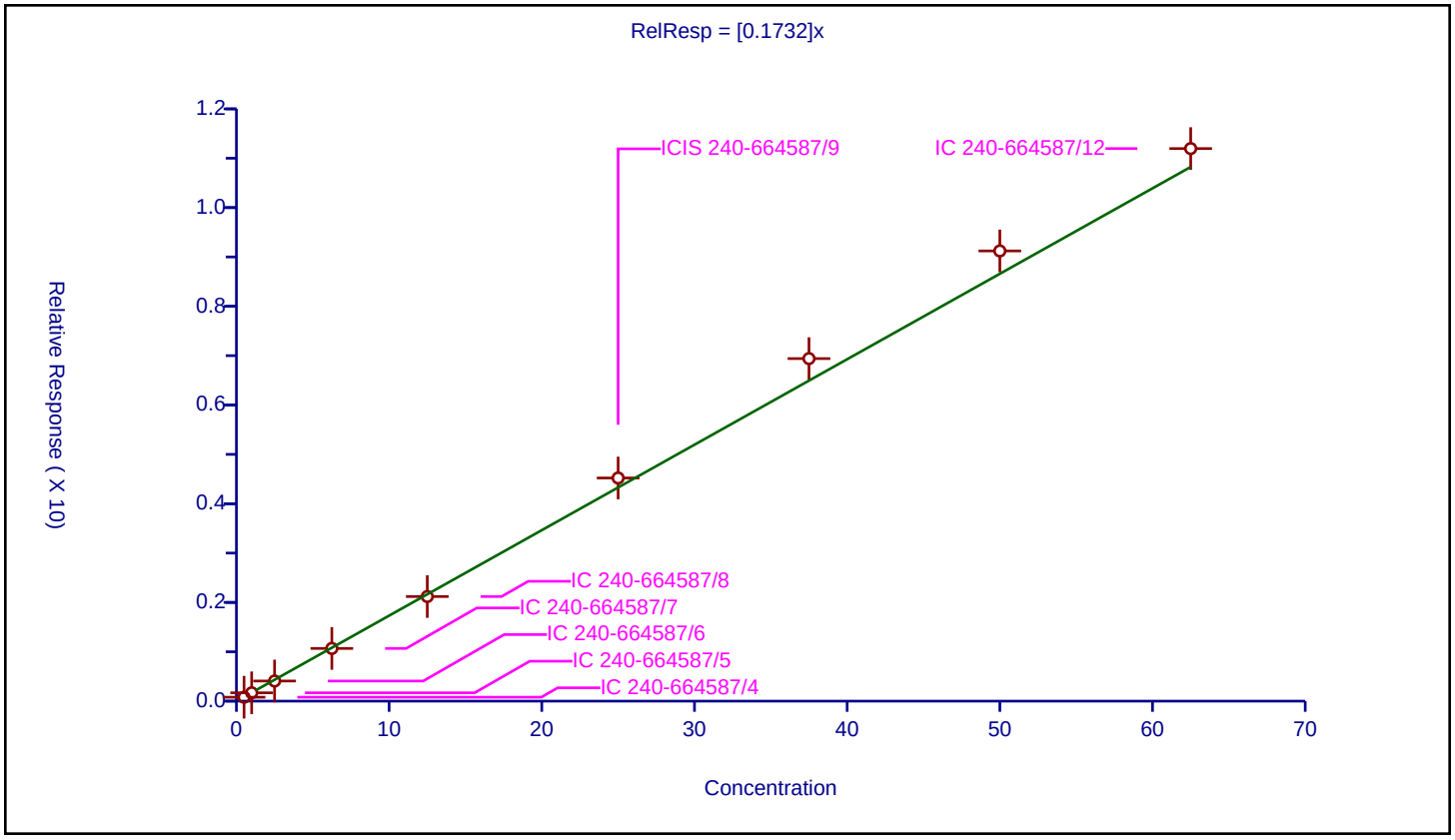
Curve Coefficients

Intercept:	0
Slope:	0.1732

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.079508	25.0	455615.0	0.159016	Y
2	IC 240-664587/5	1.0	0.16868	25.0	436921.0	0.16868	Y
3	IC 240-664587/6	2.5	0.407653	25.0	452039.0	0.163061	Y
4	IC 240-664587/7	6.25	1.067476	25.0	433218.0	0.170796	Y
5	IC 240-664587/8	12.5	2.119251	25.0	446679.0	0.16954	Y
6	ICIS 240-664587/9	25.0	4.521398	25.0	445548.0	0.180856	Y
7	IC 240-664587/10	37.5	6.940937	25.0	437920.0	0.185092	Y
8	IC 240-664587/11	50.0	9.121815	25.0	450634.0	0.182436	Y
9	IC 240-664587/12	62.5	11.196063	25.0	453166.0	0.179137	Y



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Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

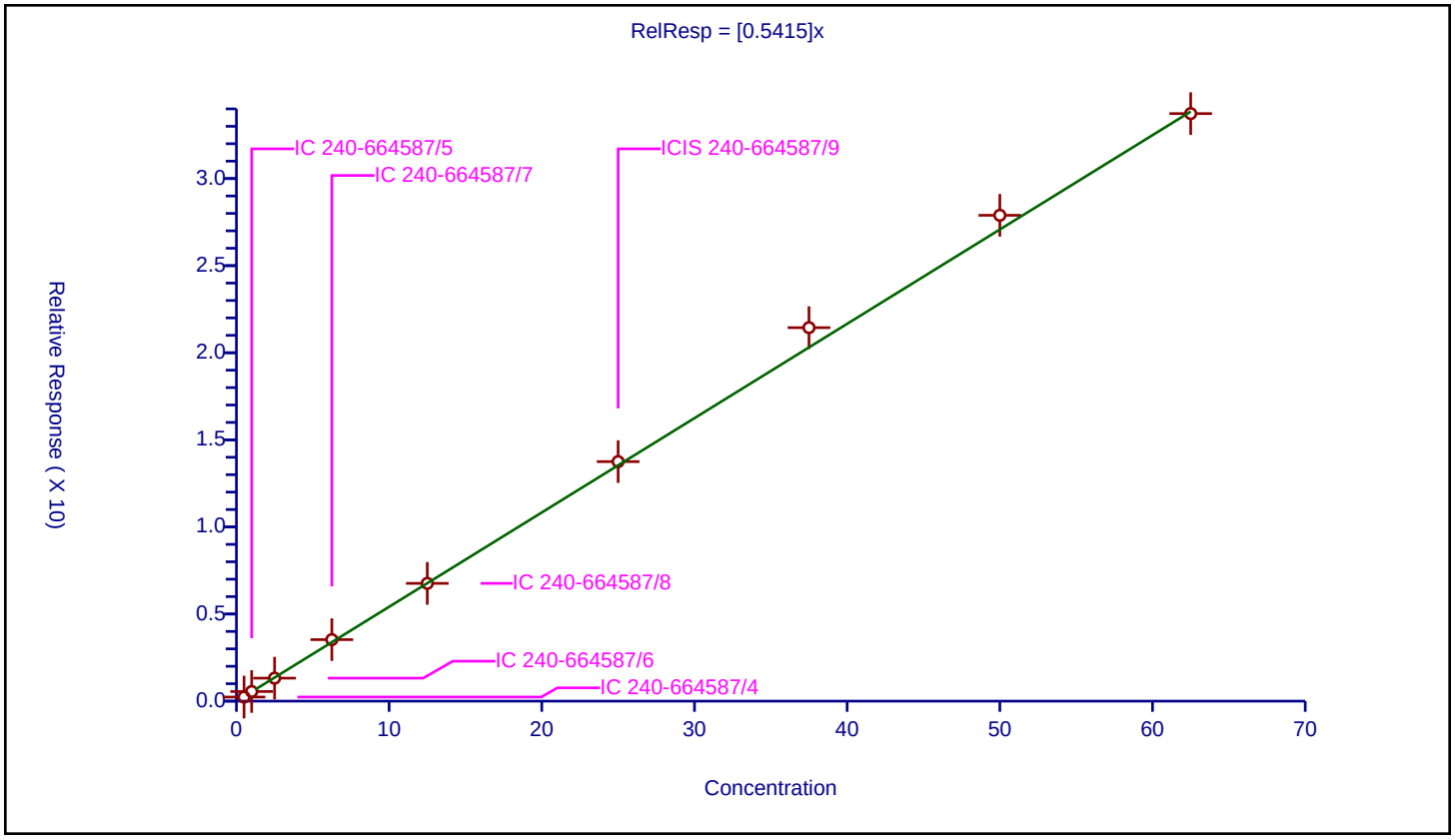
Curve Coefficients

Intercept:	0
Slope:	0.5415

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.234079	25.0	455615.0	0.468158	Y
2	IC 240-664587/5	1.0	0.552102	25.0	436921.0	0.552102	Y
3	IC 240-664587/6	2.5	1.32107	25.0	452039.0	0.528428	Y
4	IC 240-664587/7	6.25	3.531074	25.0	433218.0	0.564972	Y
5	IC 240-664587/8	12.5	6.759888	25.0	446679.0	0.540791	Y
6	ICIS 240-664587/9	25.0	13.751885	25.0	445548.0	0.550075	Y
7	IC 240-664587/10	37.5	21.440845	25.0	437920.0	0.571756	Y
8	IC 240-664587/11	50.0	27.892203	25.0	450634.0	0.557844	Y
9	IC 240-664587/12	62.5	33.729914	25.0	453166.0	0.539679	Y



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Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

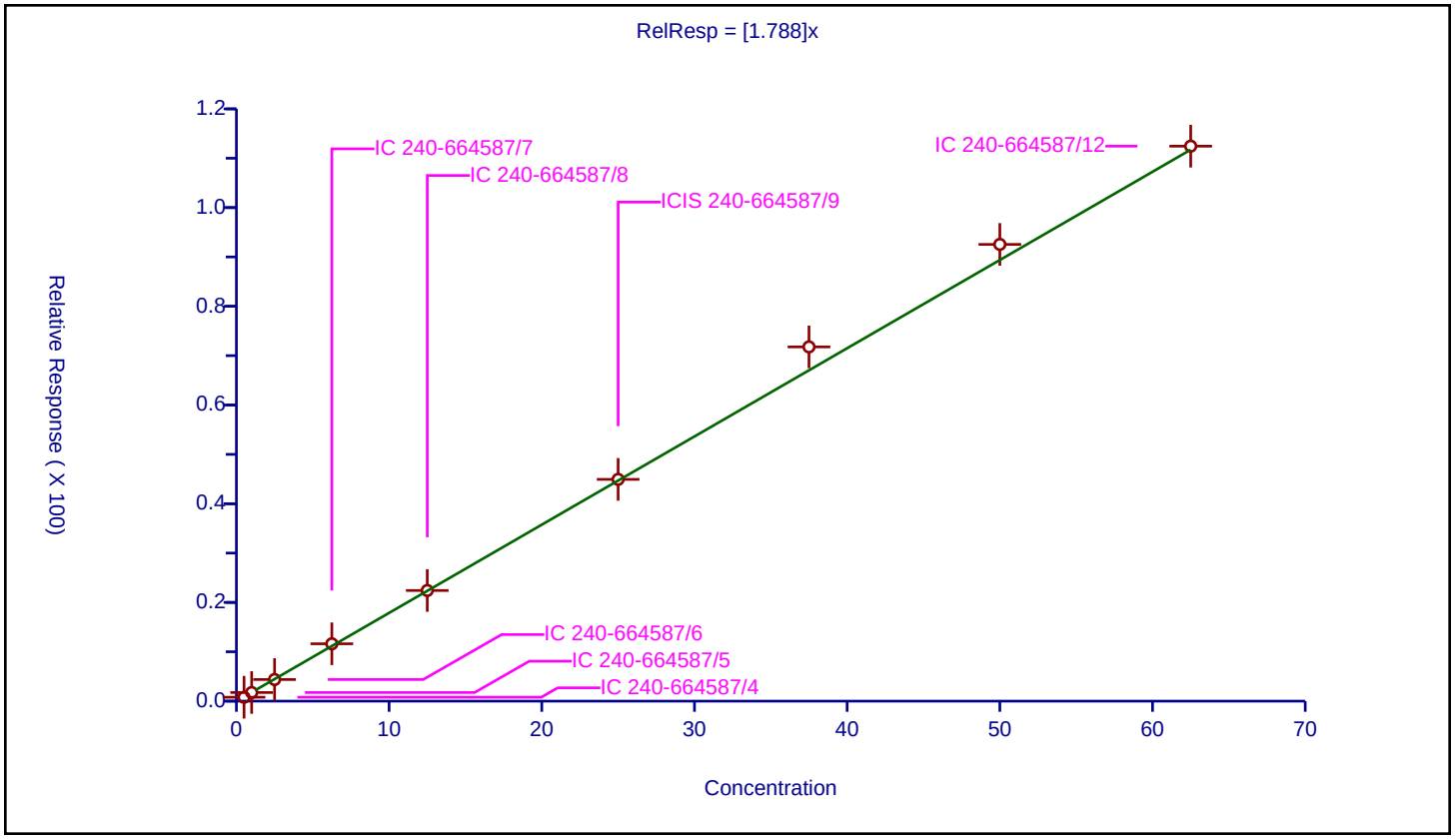
Curve Coefficients

Intercept:	0
Slope:	1.788

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.788056	25.0	455615.0	1.576111	Y
2	IC 240-664587/5	1.0	1.745911	25.0	436921.0	1.745911	Y
3	IC 240-664587/6	2.5	4.379766	25.0	452039.0	1.751906	Y
4	IC 240-664587/7	6.25	11.621978	25.0	433218.0	1.859516	Y
5	IC 240-664587/8	12.5	22.418616	25.0	446679.0	1.793489	Y
6	ICIS 240-664587/9	25.0	44.934104	25.0	445548.0	1.797364	Y
7	IC 240-664587/10	37.5	71.778692	25.0	437920.0	1.914098	Y
8	IC 240-664587/11	50.0	92.544781	25.0	450634.0	1.850896	Y
9	IC 240-664587/12	62.5	112.446819	25.0	453166.0	1.799149	Y



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Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

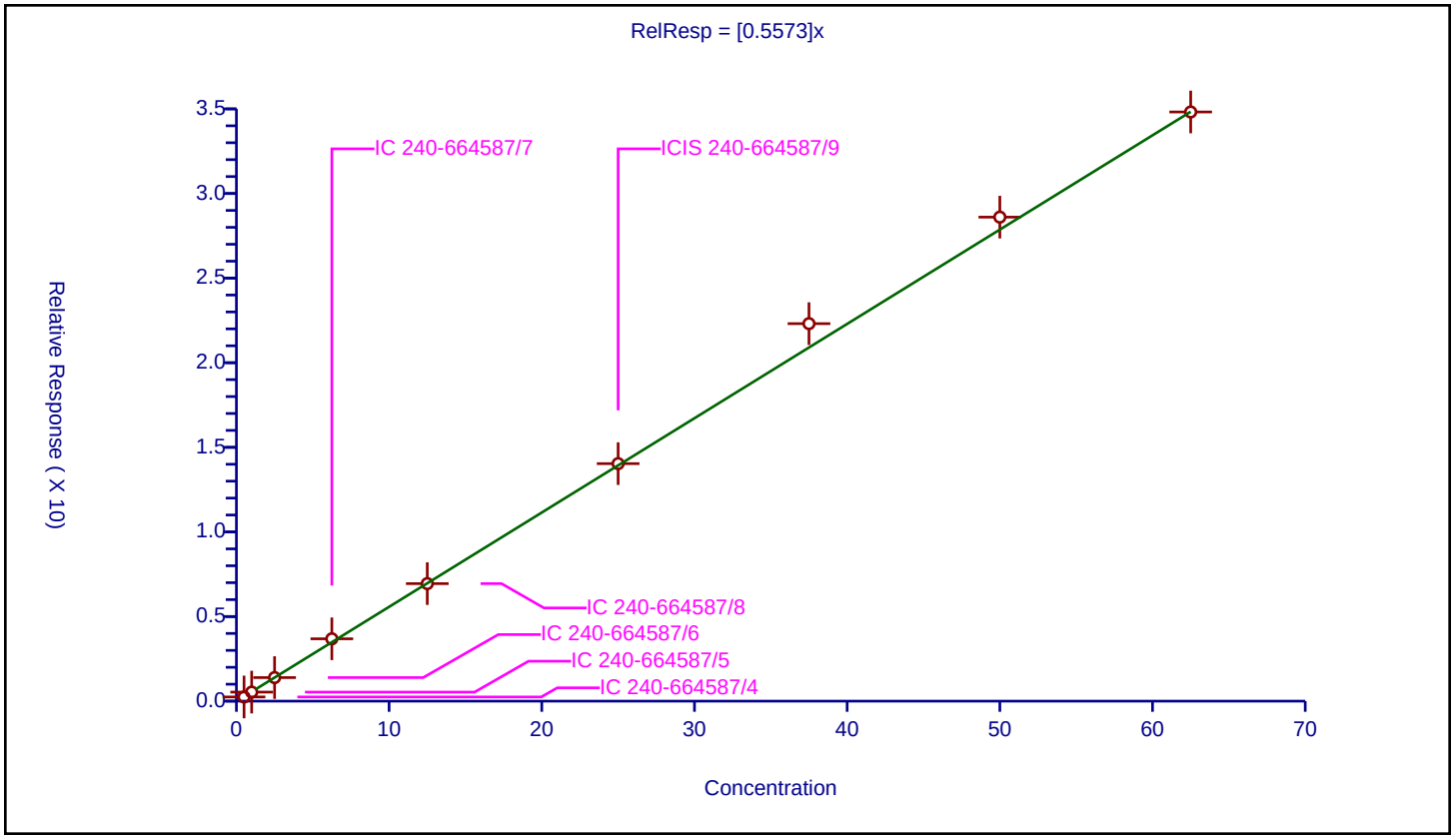
Curve Coefficients

Intercept:	0
Slope:	0.5573

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.246974	25.0	455615.0	0.493948	Y
2	IC 240-664587/5	1.0	0.534708	25.0	436921.0	0.534708	Y
3	IC 240-664587/6	2.5	1.391473	25.0	452039.0	0.556589	Y
4	IC 240-664587/7	6.25	3.683827	25.0	433218.0	0.589412	Y
5	IC 240-664587/8	12.5	6.944976	25.0	446679.0	0.555598	Y
6	ICIS 240-664587/9	25.0	14.036142	25.0	445548.0	0.561446	Y
7	IC 240-664587/10	37.5	22.30944	25.0	437920.0	0.594918	Y
8	IC 240-664587/11	50.0	28.602979	25.0	450634.0	0.57206	Y
9	IC 240-664587/12	62.5	34.817705	25.0	453166.0	0.557083	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

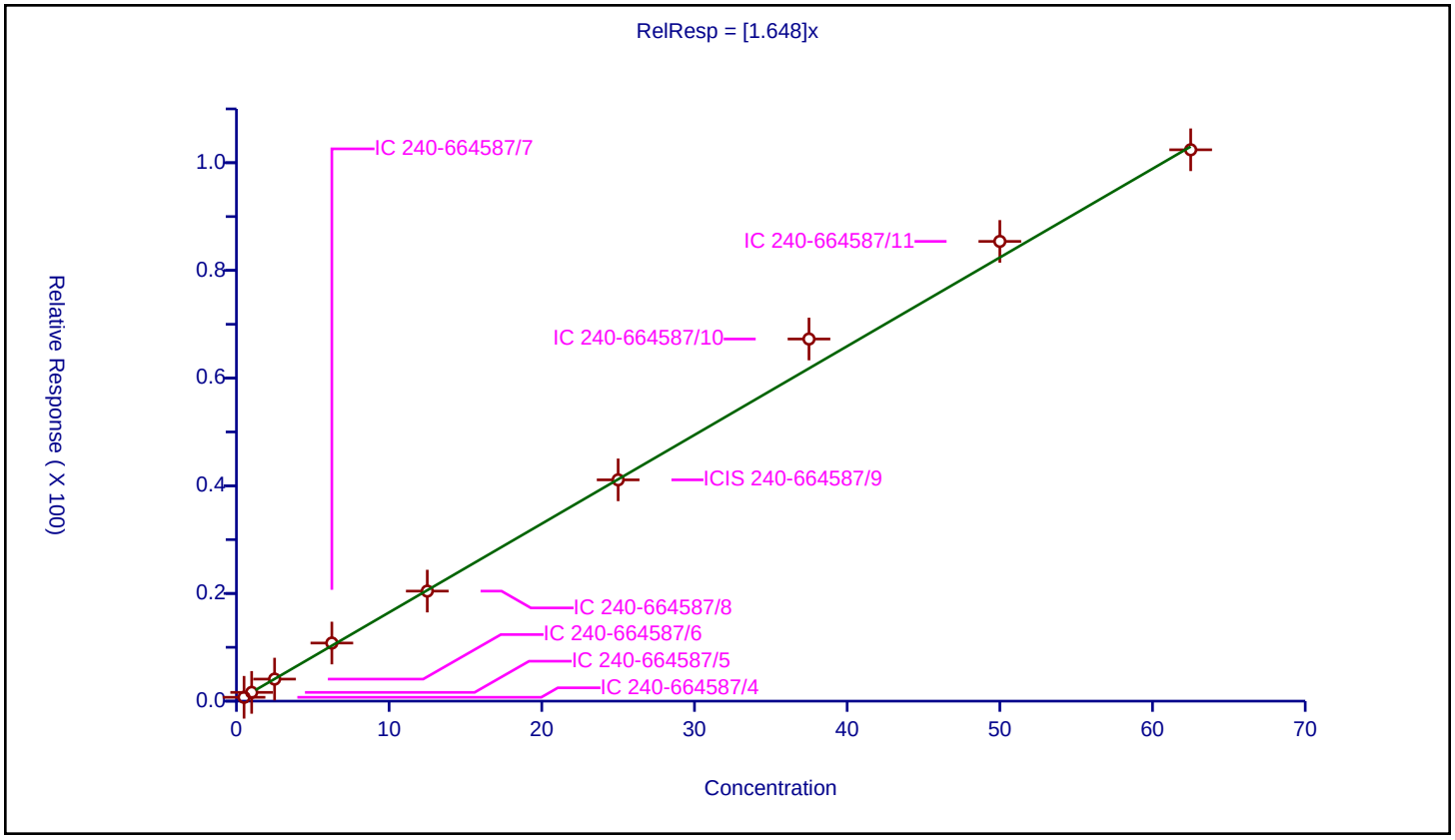
Curve Coefficients

Intercept:	0
Slope:	1.648

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.712553	25.0	455615.0	1.425107	Y
2	IC 240-664587/5	1.0	1.623692	25.0	436921.0	1.623692	Y
3	IC 240-664587/6	2.5	4.094171	25.0	452039.0	1.637668	Y
4	IC 240-664587/7	6.25	10.790987	25.0	433218.0	1.726558	Y
5	IC 240-664587/8	12.5	20.438951	25.0	446679.0	1.635116	Y
6	ICIS 240-664587/9	25.0	41.101969	25.0	445548.0	1.644079	Y
7	IC 240-664587/10	37.5	67.259146	25.0	437920.0	1.793577	Y
8	IC 240-664587/11	50.0	85.388919	25.0	450634.0	1.707778	Y
9	IC 240-664587/12	62.5	102.404251	25.0	453166.0	1.638468	Y



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Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

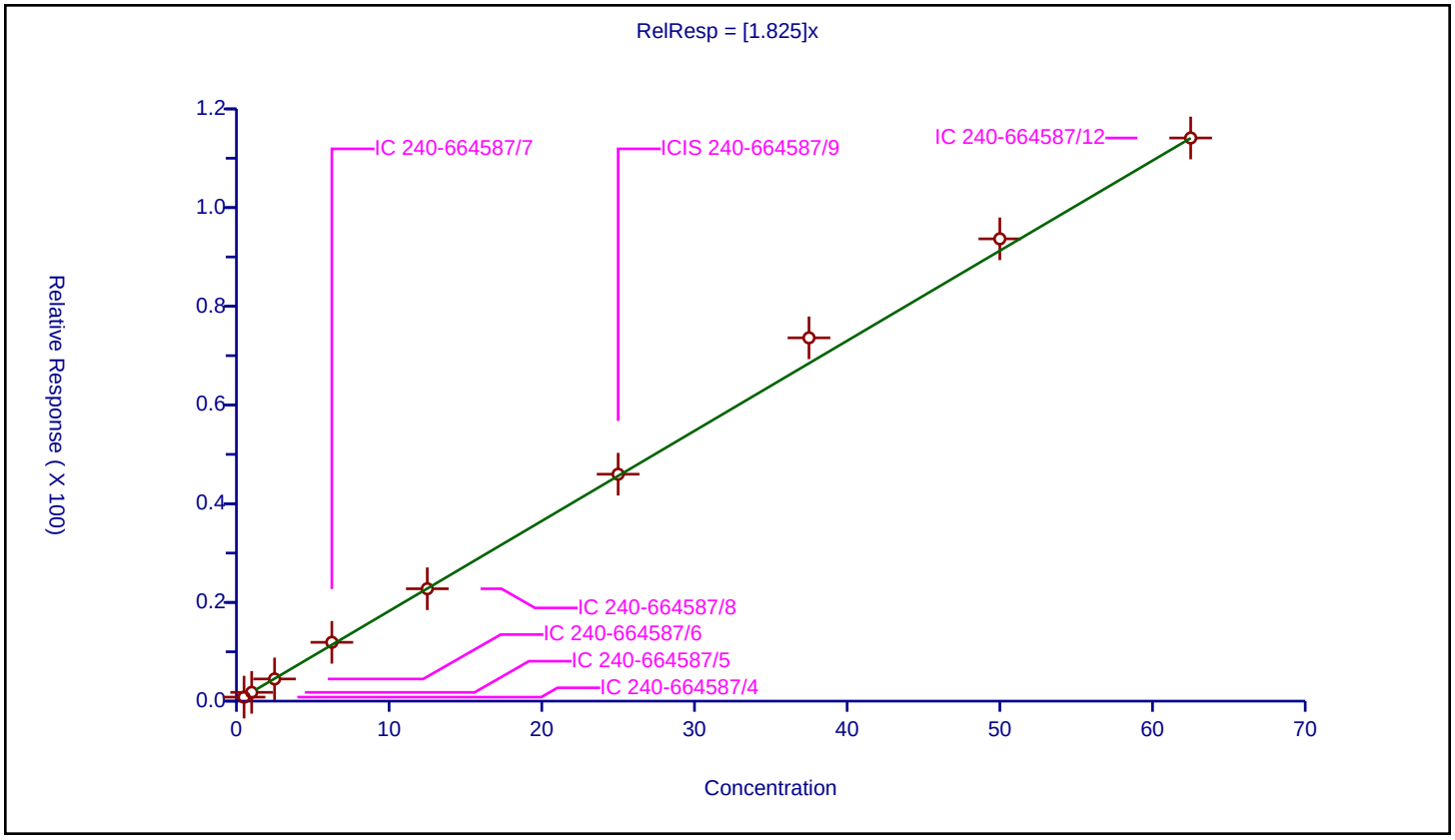
Curve Coefficients

Intercept:	0
Slope:	1.825

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.810772	25.0	455615.0	1.621545	Y
2	IC 240-664587/5	1.0	1.780642	25.0	436921.0	1.780642	Y
3	IC 240-664587/6	2.5	4.490265	25.0	452039.0	1.796106	Y
4	IC 240-664587/7	6.25	11.916864	25.0	433218.0	1.906698	Y
5	IC 240-664587/8	12.5	22.768644	25.0	446679.0	1.821491	Y
6	ICIS 240-664587/9	25.0	45.980512	25.0	445548.0	1.83922	Y
7	IC 240-664587/10	37.5	73.612589	25.0	437920.0	1.963002	Y
8	IC 240-664587/11	50.0	93.672803	25.0	450634.0	1.873456	Y
9	IC 240-664587/12	62.5	114.108406	25.0	453166.0	1.825734	Y



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Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

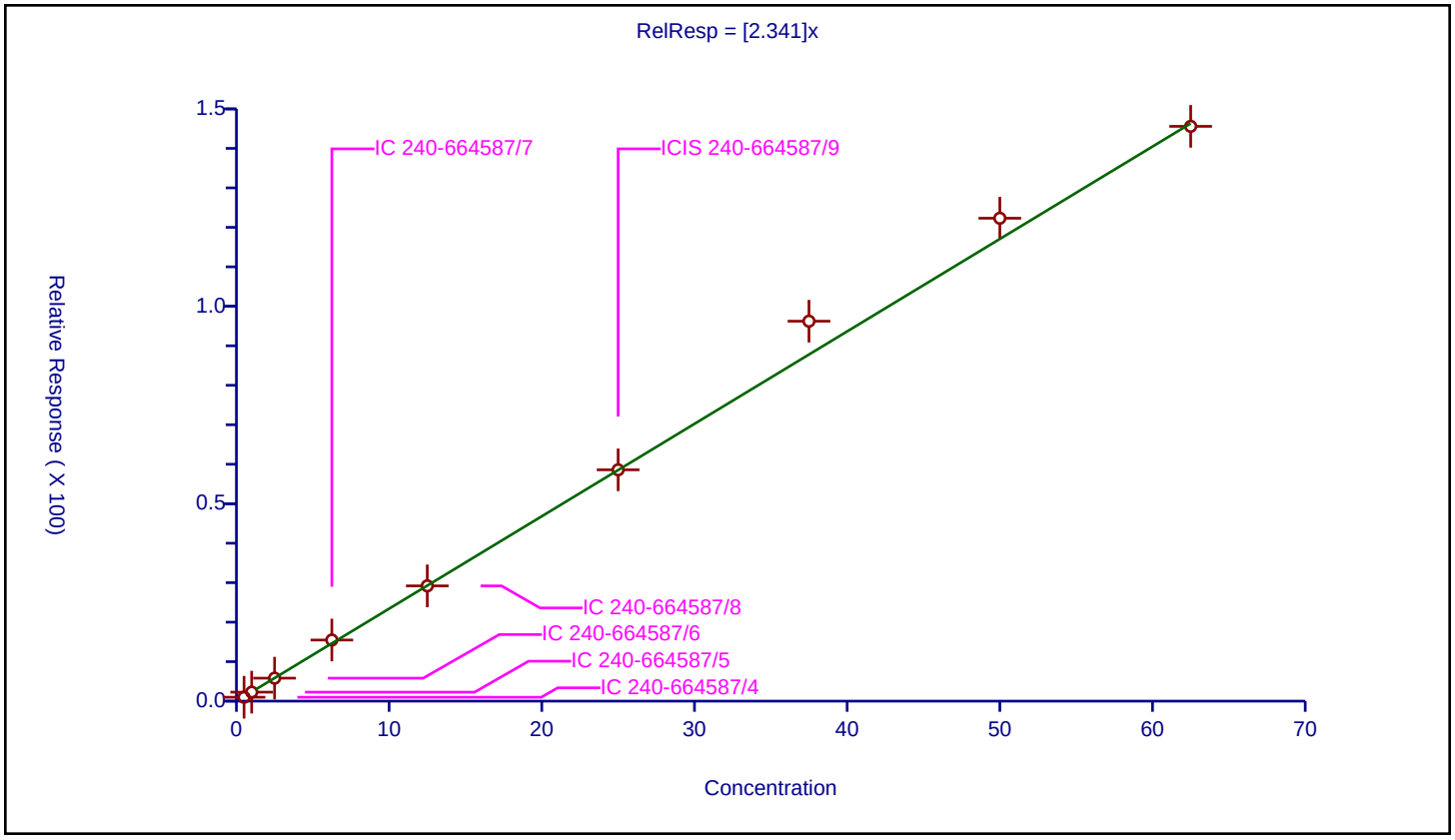
Curve Coefficients

Intercept:	0
Slope:	2.341

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.984932	25.0	455615.0	1.969865	Y
2	IC 240-664587/5	1.0	2.274381	25.0	436921.0	2.274381	Y
3	IC 240-664587/6	2.5	5.818801	25.0	452039.0	2.32752	Y
4	IC 240-664587/7	6.25	15.480543	25.0	433218.0	2.476887	Y
5	IC 240-664587/8	12.5	29.192832	25.0	446679.0	2.335427	Y
6	ICIS 240-664587/9	25.0	58.586897	25.0	445548.0	2.343476	Y
7	IC 240-664587/10	37.5	96.232474	25.0	437920.0	2.566199	Y
8	IC 240-664587/11	50.0	122.309624	25.0	450634.0	2.446192	Y
9	IC 240-664587/12	62.5	145.584841	25.0	453166.0	2.329357	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

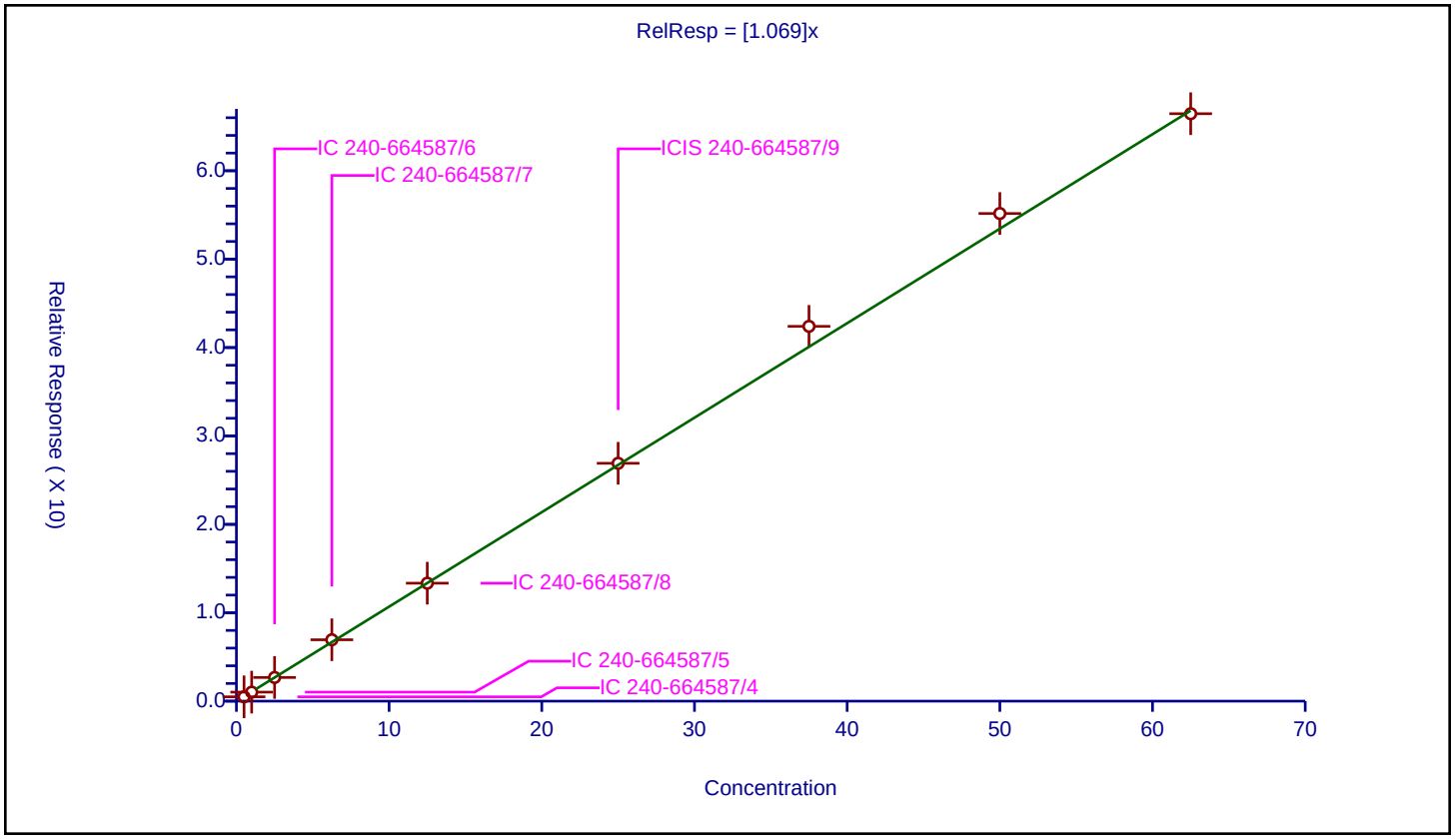
Curve Coefficients

Intercept:	0
Slope:	1.069

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.489119	25.0	455615.0	0.978238	Y
2	IC 240-664587/5	1.0	1.018491	25.0	436921.0	1.018491	Y
3	IC 240-664587/6	2.5	2.677977	25.0	452039.0	1.071191	Y
4	IC 240-664587/7	6.25	6.942809	25.0	433218.0	1.11085	Y
5	IC 240-664587/8	12.5	13.343699	25.0	446679.0	1.067496	Y
6	ICIS 240-664587/9	25.0	26.908661	25.0	445548.0	1.076346	Y
7	IC 240-664587/10	37.5	42.398669	25.0	437920.0	1.130631	Y
8	IC 240-664587/11	50.0	55.164945	25.0	450634.0	1.103299	Y
9	IC 240-664587/12	62.5	66.45407	25.0	453166.0	1.063265	Y



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Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

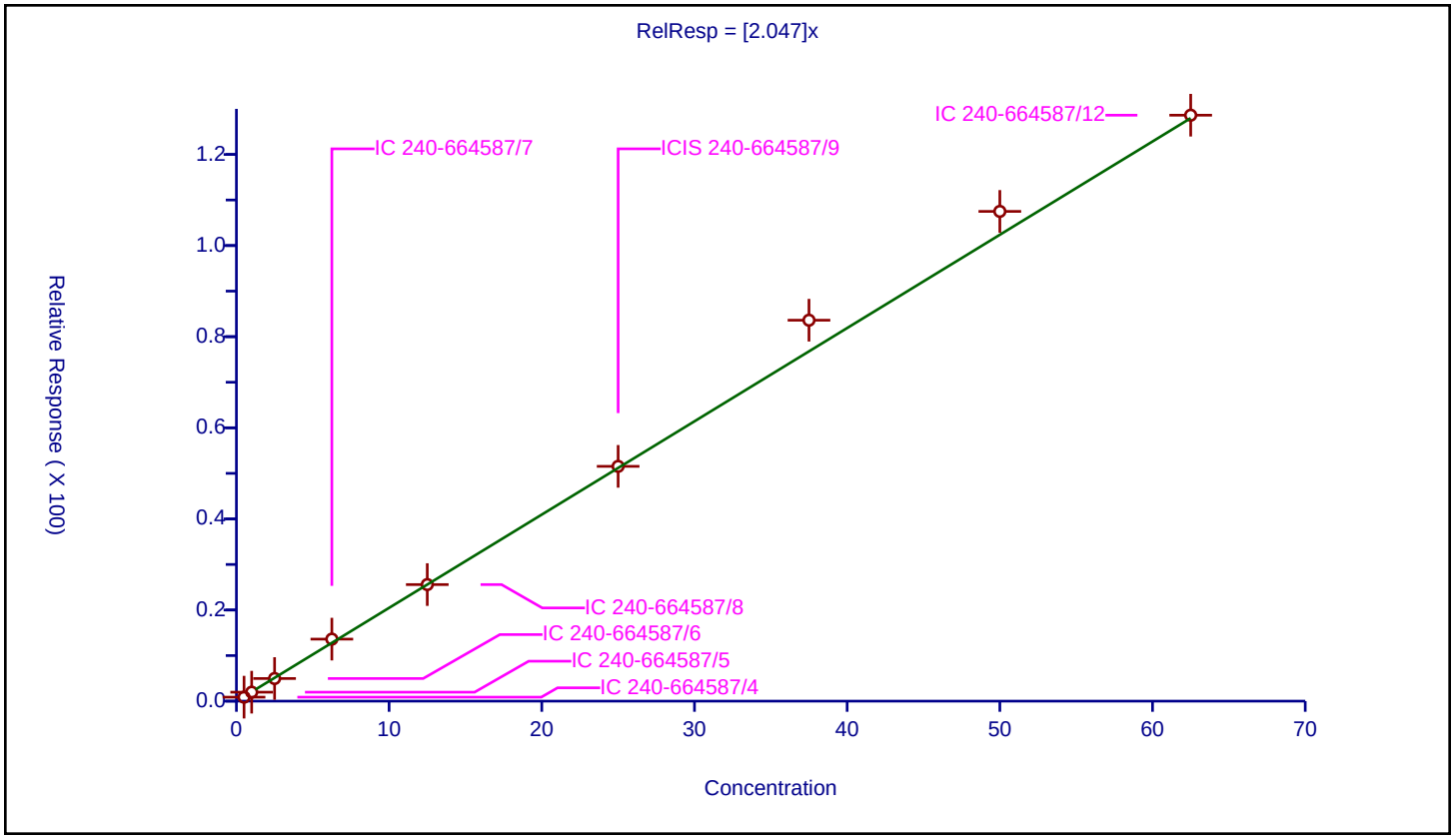
Curve Coefficients

Intercept:	0
Slope:	2.047

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.875739	25.0	455615.0	1.751479	Y
2	IC 240-664587/5	1.0	1.964829	25.0	436921.0	1.964829	Y
3	IC 240-664587/6	2.5	4.967436	25.0	452039.0	1.986975	Y
4	IC 240-664587/7	6.25	13.610815	25.0	433218.0	2.17773	Y
5	IC 240-664587/8	12.5	25.585152	25.0	446679.0	2.046812	Y
6	ICIS 240-664587/9	25.0	51.535693	25.0	445548.0	2.061428	Y
7	IC 240-664587/10	37.5	83.614587	25.0	437920.0	2.229722	Y
8	IC 240-664587/11	50.0	107.495717	25.0	450634.0	2.149914	Y
9	IC 240-664587/12	62.5	128.614073	25.0	453166.0	2.057825	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

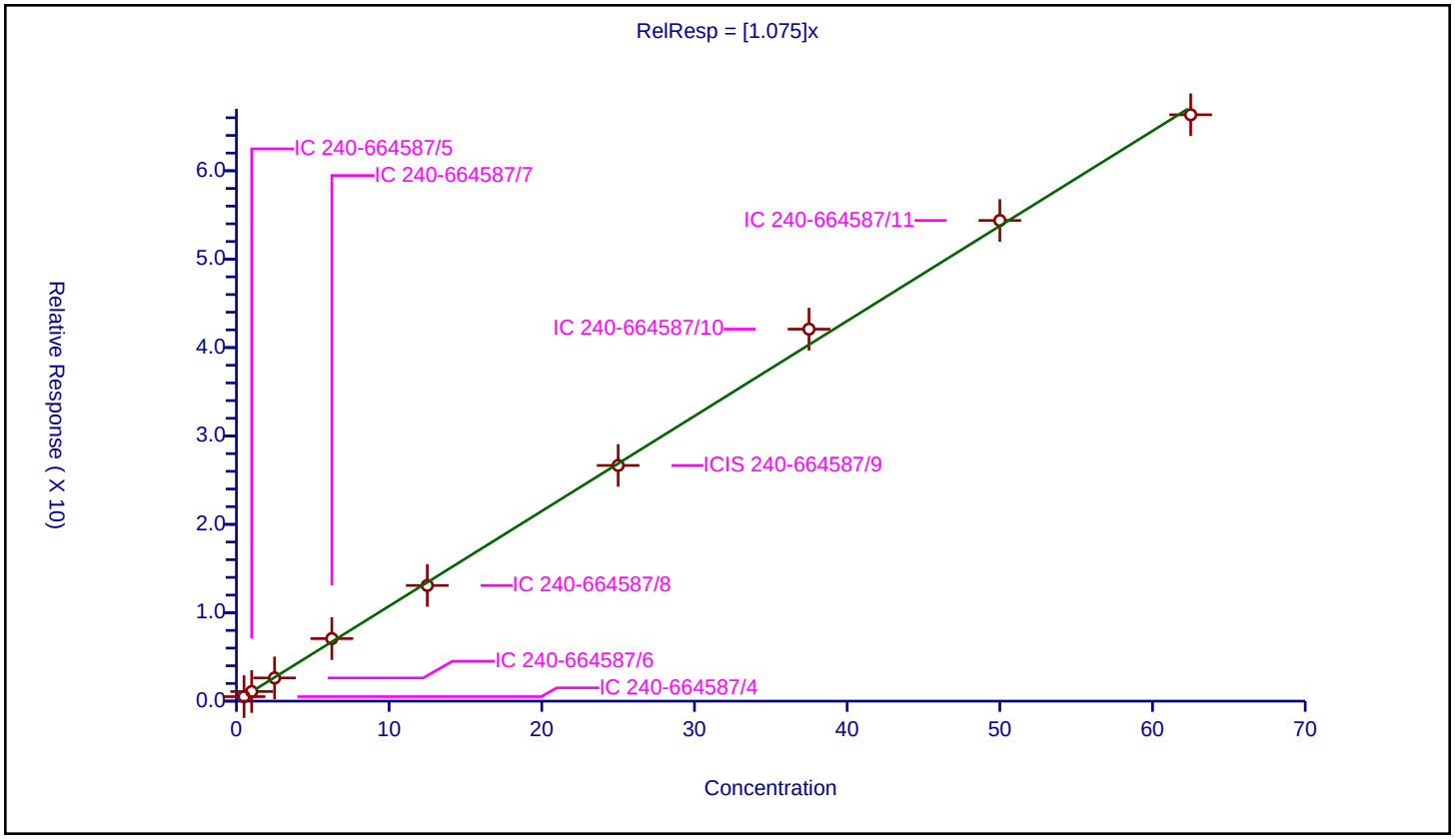
Curve Coefficients

Intercept:	0
Slope:	1.075

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.509312	25.0	455615.0	1.018623	Y
2	IC 240-664587/5	1.0	1.090186	25.0	436921.0	1.090186	Y
3	IC 240-664587/6	2.5	2.626709	25.0	452039.0	1.050684	Y
4	IC 240-664587/7	6.25	7.075999	25.0	433218.0	1.13216	Y
5	IC 240-664587/8	12.5	13.087251	25.0	446679.0	1.04698	Y
6	ICIS 240-664587/9	25.0	26.665309	25.0	445548.0	1.066612	Y
7	IC 240-664587/10	37.5	42.083657	25.0	437920.0	1.122231	Y
8	IC 240-664587/11	50.0	54.377388	25.0	450634.0	1.087548	Y
9	IC 240-664587/12	62.5	66.33546	25.0	453166.0	1.061367	Y



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Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

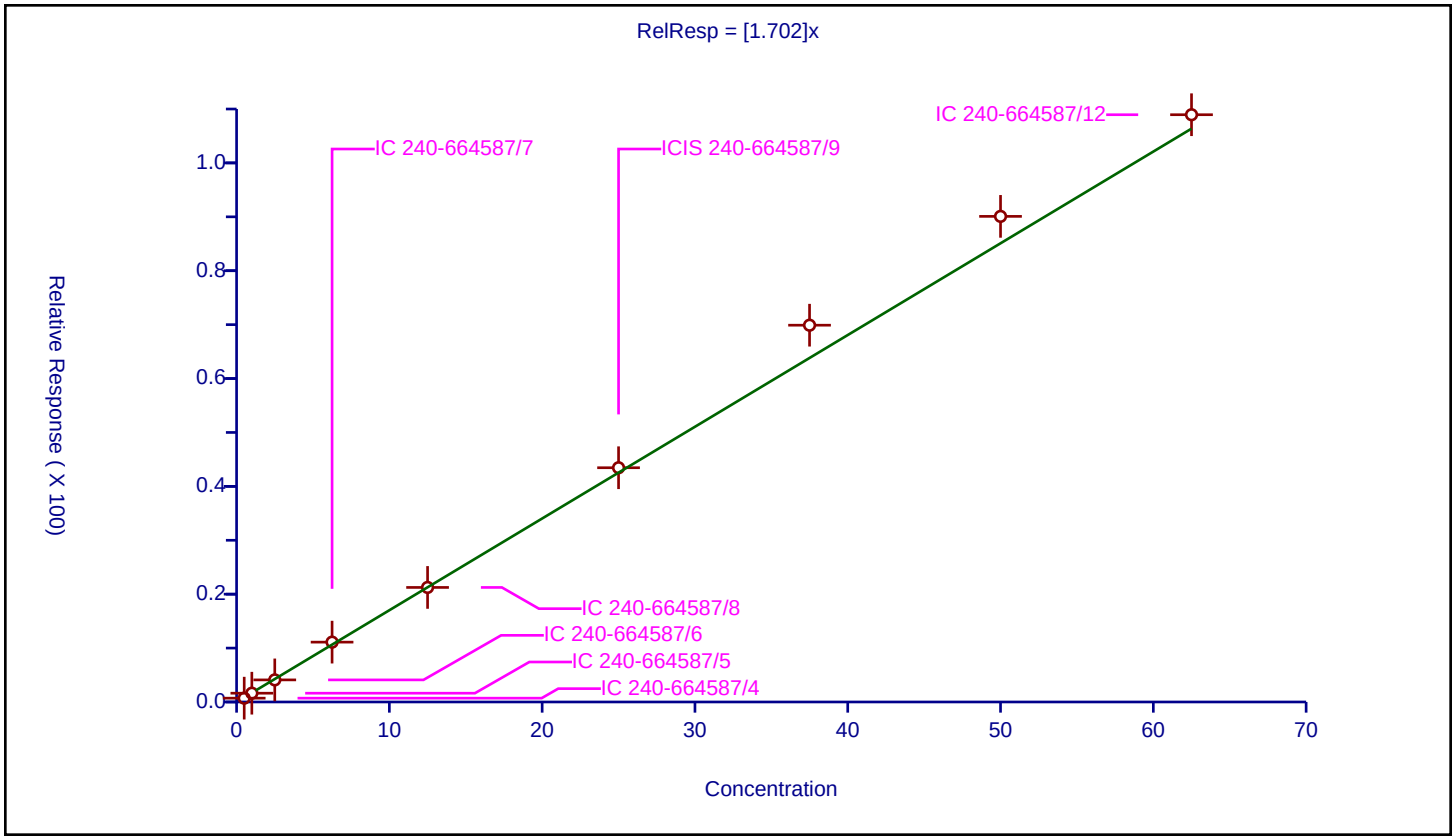
Curve Coefficients

Intercept:	0
Slope:	1.702

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.710139	25.0	455615.0	1.420278	Y
2	IC 240-664587/5	1.0	1.632274	25.0	436921.0	1.632274	Y
3	IC 240-664587/6	2.5	4.099812	25.0	452039.0	1.639925	Y
4	IC 240-664587/7	6.25	11.101974	25.0	433218.0	1.776316	Y
5	IC 240-664587/8	12.5	21.248536	25.0	446679.0	1.699883	Y
6	ICIS 240-664587/9	25.0	43.454353	25.0	445548.0	1.738174	Y
7	IC 240-664587/10	37.5	69.896214	25.0	437920.0	1.863899	Y
8	IC 240-664587/11	50.0	90.083749	25.0	450634.0	1.801675	Y
9	IC 240-664587/12	62.5	108.941481	25.0	453166.0	1.743064	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

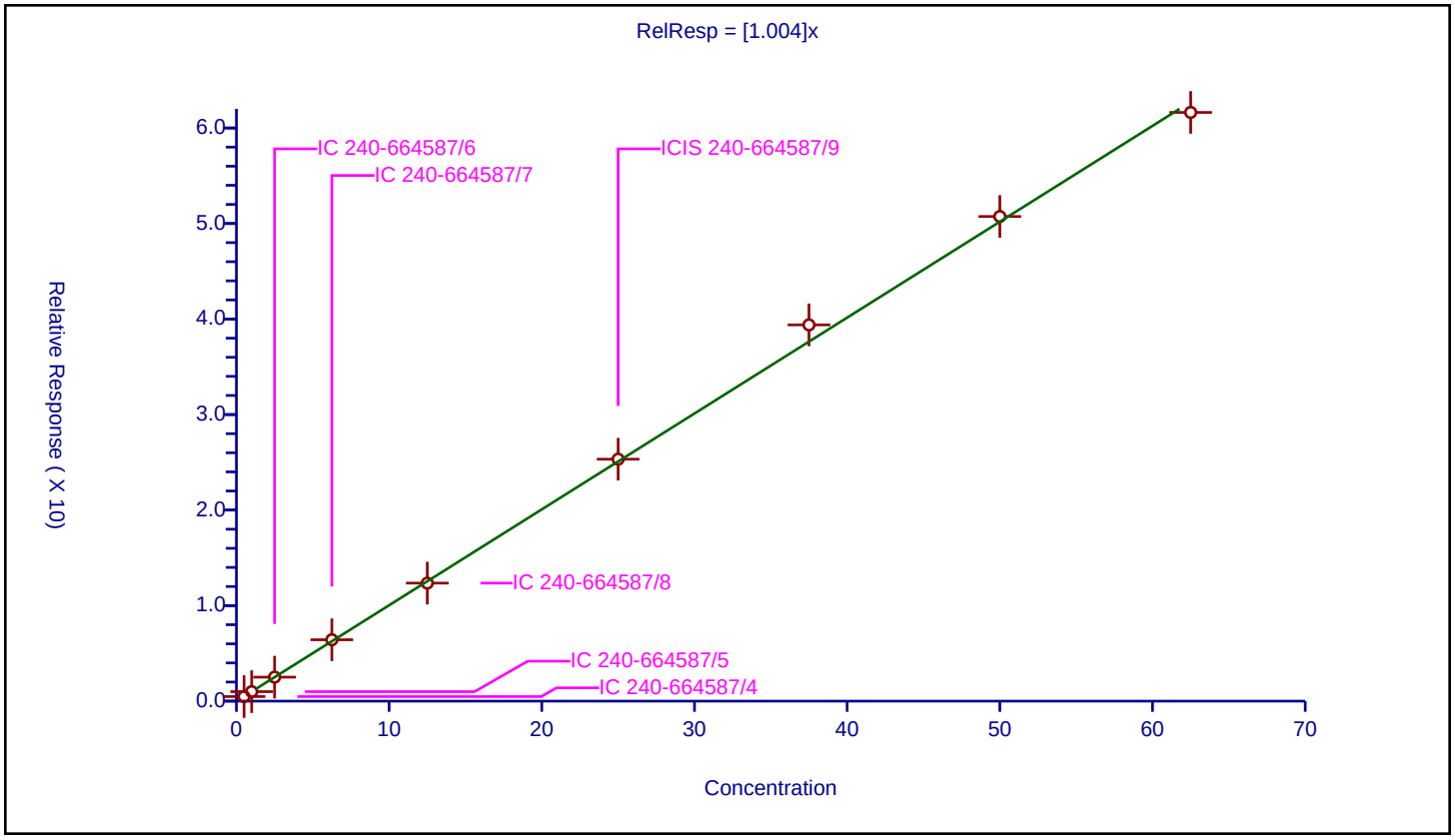
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.476773	25.0	455615.0	0.953546	Y
2	IC 240-664587/5	1.0	0.994116	25.0	436921.0	0.994116	Y
3	IC 240-664587/6	2.5	2.51162	25.0	452039.0	1.004648	Y
4	IC 240-664587/7	6.25	6.425922	25.0	433218.0	1.028147	Y
5	IC 240-664587/8	12.5	12.35714	25.0	446679.0	0.988571	Y
6	ICIS 240-664587/9	25.0	25.329257	25.0	445548.0	1.01317	Y
7	IC 240-664587/10	37.5	39.39127	25.0	437920.0	1.050434	Y
8	IC 240-664587/11	50.0	50.735963	25.0	450634.0	1.014719	Y
9	IC 240-664587/12	62.5	61.630286	25.0	453166.0	0.986085	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

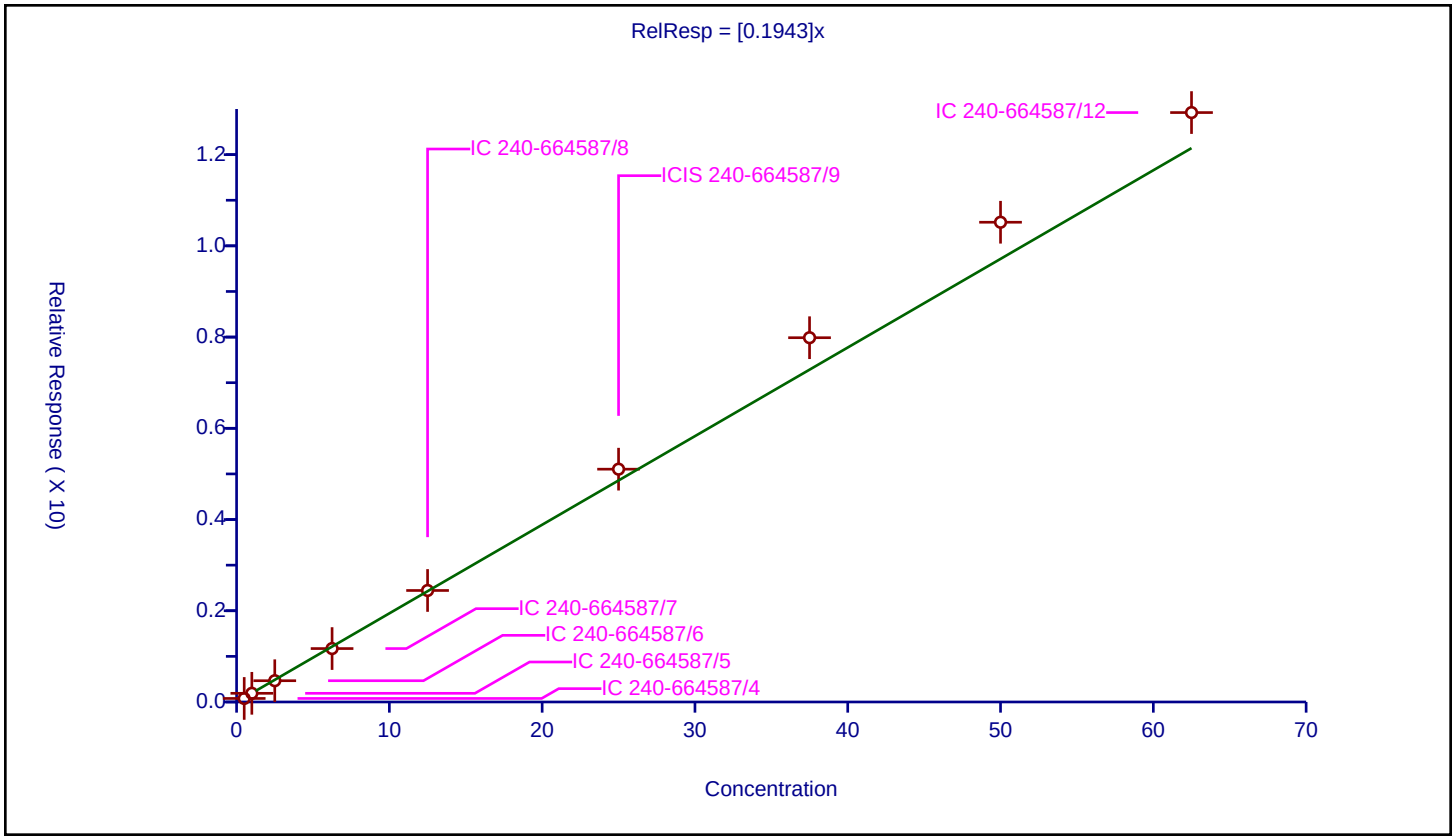
Curve Coefficients

Intercept:	0
Slope:	0.1943

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.077313	25.0	455615.0	0.154626	Y
2	IC 240-664587/5	1.0	0.190137	25.0	436921.0	0.190137	Y
3	IC 240-664587/6	2.5	0.466387	25.0	452039.0	0.186555	Y
4	IC 240-664587/7	6.25	1.171235	25.0	433218.0	0.187398	Y
5	IC 240-664587/8	12.5	2.444597	25.0	446679.0	0.195568	Y
6	ICIS 240-664587/9	25.0	5.10422	25.0	445548.0	0.204169	Y
7	IC 240-664587/10	37.5	7.986333	25.0	437920.0	0.212969	Y
8	IC 240-664587/11	50.0	10.517793	25.0	450634.0	0.210356	Y
9	IC 240-664587/12	62.5	12.922141	25.0	453166.0	0.206754	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

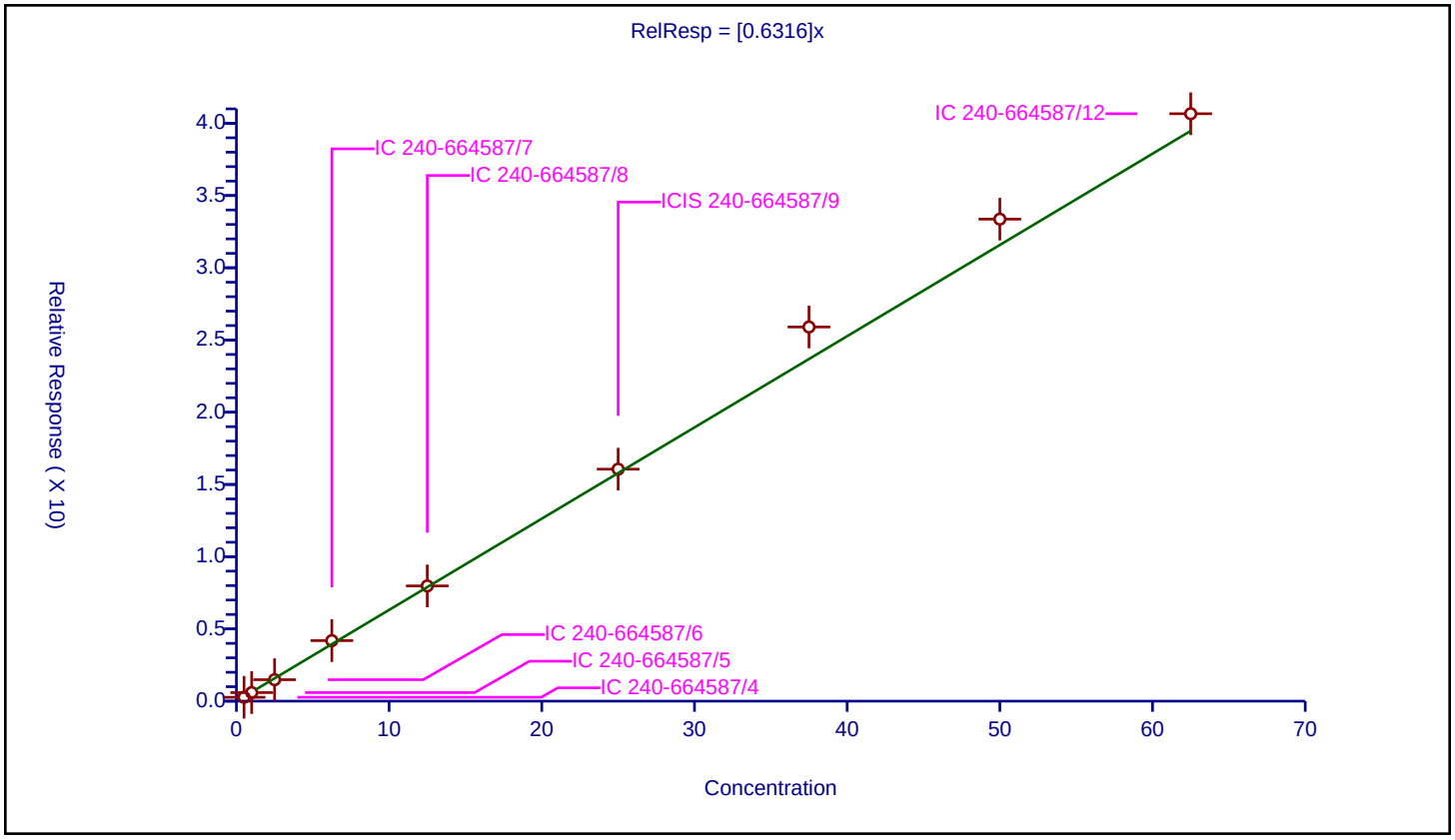
Curve Coefficients

Intercept:	0
Slope:	0.6316

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.268977	25.0	455615.0	0.537954	Y
2	IC 240-664587/5	1.0	0.592727	25.0	436921.0	0.592727	Y
3	IC 240-664587/6	2.5	1.485381	25.0	452039.0	0.594152	Y
4	IC 240-664587/7	6.25	4.189288	25.0	433218.0	0.670286	Y
5	IC 240-664587/8	12.5	7.977597	25.0	446679.0	0.638208	Y
6	ICIS 240-664587/9	25.0	16.060559	25.0	445548.0	0.642422	Y
7	IC 240-664587/10	37.5	25.900507	25.0	437920.0	0.69068	Y
8	IC 240-664587/11	50.0	33.367101	25.0	450634.0	0.667342	Y
9	IC 240-664587/12	62.5	40.664734	25.0	453166.0	0.650636	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

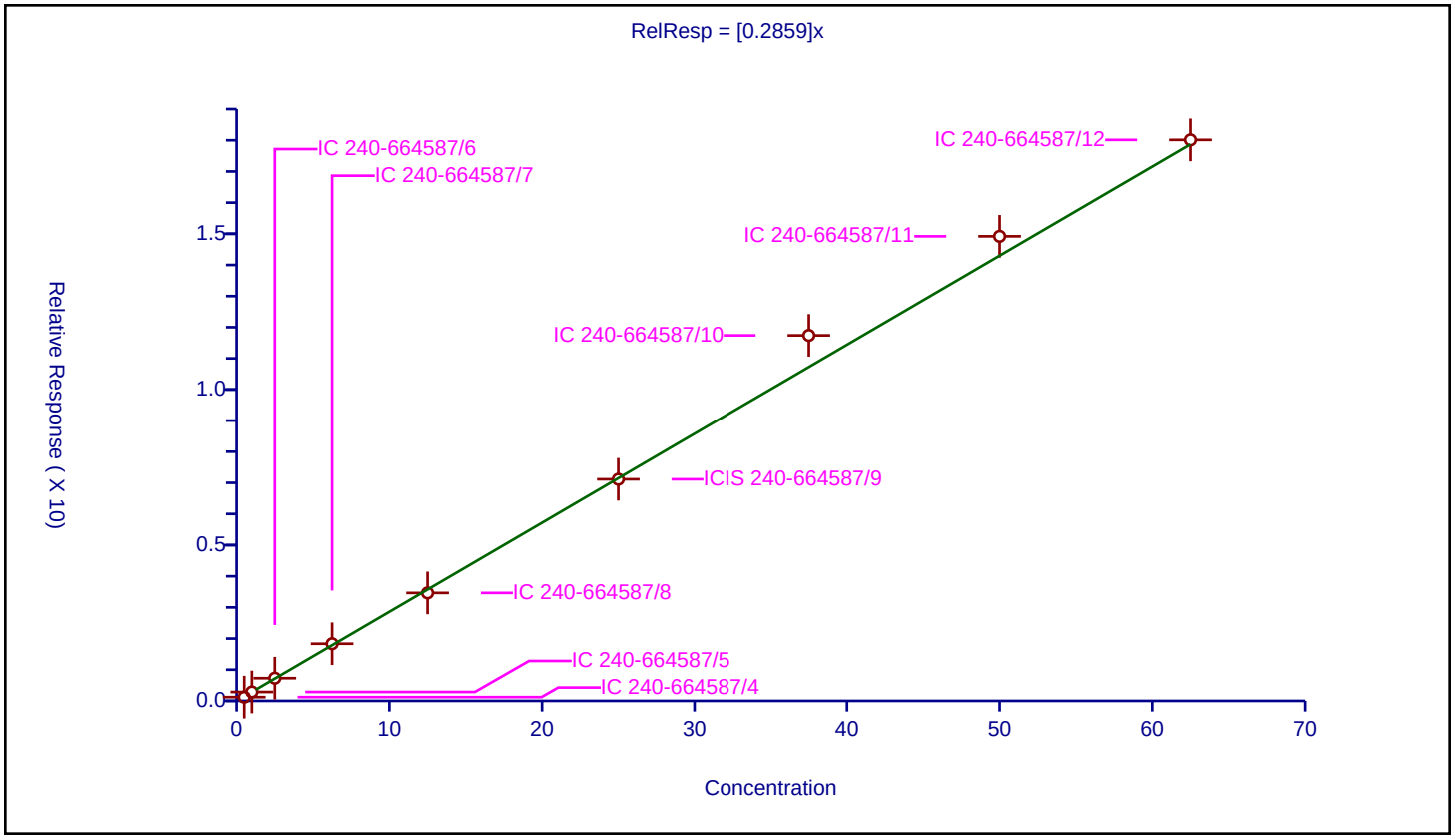
Curve Coefficients

Intercept:	0
Slope:	0.2859

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.120716	25.0	455615.0	0.241432	Y
2	IC 240-664587/5	1.0	0.285692	25.0	436921.0	0.285692	Y
3	IC 240-664587/6	2.5	0.728809	25.0	452039.0	0.291524	Y
4	IC 240-664587/7	6.25	1.833719	25.0	433218.0	0.293395	Y
5	IC 240-664587/8	12.5	3.465408	25.0	446679.0	0.277233	Y
6	ICIS 240-664587/9	25.0	7.114385	25.0	445548.0	0.284575	Y
7	IC 240-664587/10	37.5	11.738103	25.0	437920.0	0.313016	Y
8	IC 240-664587/11	50.0	14.919092	25.0	450634.0	0.298382	Y
9	IC 240-664587/12	62.5	18.013211	25.0	453166.0	0.288211	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

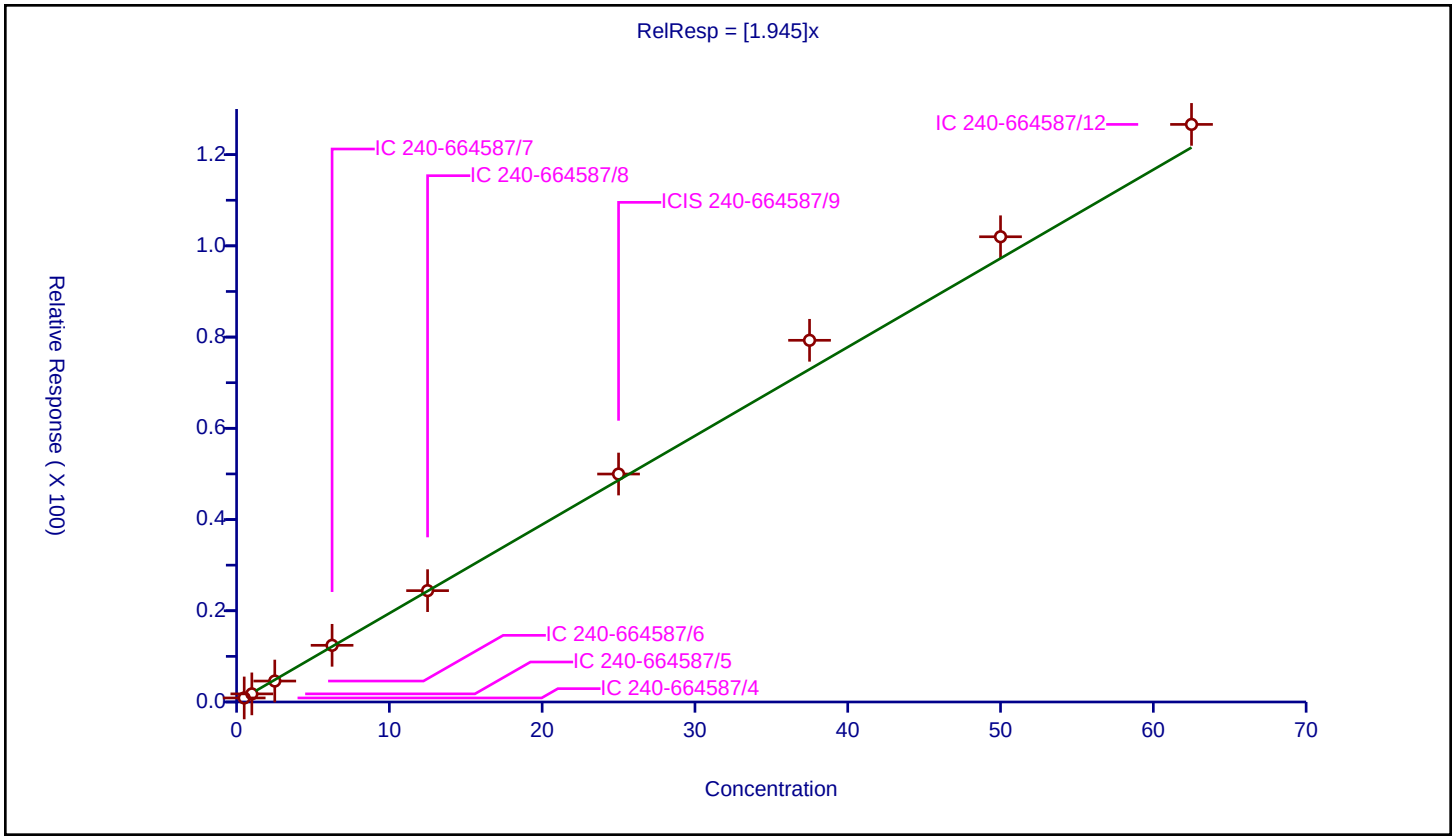
Curve Coefficients

Intercept:	0
Slope:	1.945

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.882982	25.0	455615.0	1.765965	Y
2	IC 240-664587/5	1.0	1.782016	25.0	436921.0	1.782016	Y
3	IC 240-664587/6	2.5	4.59175	25.0	452039.0	1.8367	Y
4	IC 240-664587/7	6.25	12.423941	25.0	433218.0	1.987831	Y
5	IC 240-664587/8	12.5	24.41261	25.0	446679.0	1.953009	Y
6	ICIS 240-664587/9	25.0	49.976153	25.0	445548.0	1.999046	Y
7	IC 240-664587/10	37.5	79.294449	25.0	437920.0	2.114519	Y
8	IC 240-664587/11	50.0	101.99824	25.0	450634.0	2.039965	Y
9	IC 240-664587/12	62.5	126.624846	25.0	453166.0	2.025998	Y



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Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

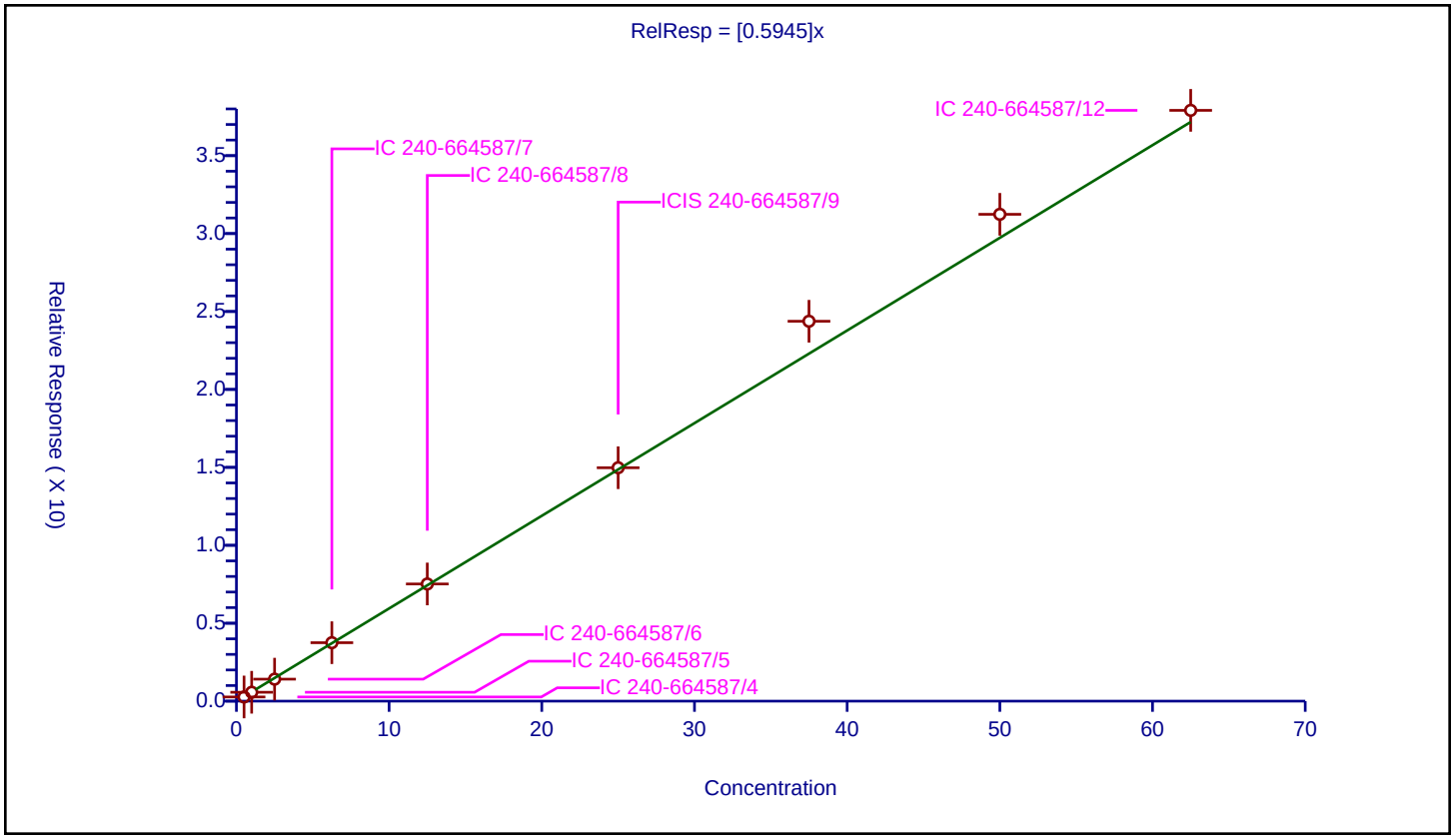
Curve Coefficients

Intercept:	0
Slope:	0.5945

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664587/4	0.5	0.267331	25.0	455615.0	0.534662	Y
2	IC 240-664587/5	1.0	0.569897	25.0	436921.0	0.569897	Y
3	IC 240-664587/6	2.5	1.411493	25.0	452039.0	0.564597	Y
4	IC 240-664587/7	6.25	3.749902	25.0	433218.0	0.599984	Y
5	IC 240-664587/8	12.5	7.517871	25.0	446679.0	0.60143	Y
6	ICIS 240-664587/9	25.0	14.975884	25.0	445548.0	0.599035	Y
7	IC 240-664587/10	37.5	24.3754	25.0	437920.0	0.650011	Y
8	IC 240-664587/11	50.0	31.235326	25.0	450634.0	0.624707	Y
9	IC 240-664587/12	62.5	37.905591	25.0	453166.0	0.606489	Y



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FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-664444/4	250718-202.D
Level 2	IC 240-664444/5	250718-203.D
Level 3	IC 240-664444/6	250718-204.D
Level 4	IC 240-664444/7	250718-205.D
Level 5	IC 240-664444/8	250718-206.D
Level 6	ICIS 240-664444/9	250718-207.D
Level 7	IC 240-664444/10	250718-208.D
Level 8	IC 240-664444/11	250718-209.D
Level 9	IC 240-664444/12	250718-210.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2124 0.2938	0.3031 0.3078	0.2681 0.3065	0.2576 0.3091	0.2829	Ave		0.2824			0.1000	11.3		20.0			
Chloromethane	0.3079 0.2830	0.3243 0.2742	0.2802 0.2841	0.2799 0.2918	0.2667	Ave		0.2880			0.1000	6.2		20.0			
Vinyl chloride	0.2683 0.2818	0.2849 0.2764	0.3118 0.2764	0.2764 0.2707	0.2805	Ave		0.2808			0.1000	4.5		20.0			
Butadiene	0.1929 0.2684	0.2351 0.2694	0.2444 0.2700	0.2434 0.2651	0.2527	Ave		0.2490				9.9		20.0			
Bromomethane	+++++ 0.2205	0.0234 0.2101	0.2335 0.2006	0.2221 0.1783	0.2161	Qua	-0.203	0.2510	-0.000693		0.0500	12.9		20.0	0.9990		0.9900
Chloroethane	0.2174 0.2052	0.1826 0.1981	0.1896 0.1973	0.1958 0.1943	0.1988	Ave		0.1977			0.0500	4.9		20.0			
Dichlorofluoromethane	+++++ 0.2122	0.1422 0.2351	0.1656 0.2572	0.1732 +++++	0.1795	Qua	-0.120	0.1919	0.0008957			19.0		20.0	1.0000		0.9900
Trichlorofluoromethane	0.2105 0.2561	0.2227 0.2612	0.2189 0.2711	0.2087 0.2689	0.2290	Ave		0.2386			0.1000	10.7		20.0			
Ethyl ether	0.2258 0.2460	0.2388 0.2470	0.2559 0.2492	0.2495 0.2498	0.2350	Ave		0.2441				3.8		20.0			
Acrolein	0.0192 0.0213	0.0194 0.0181	0.0205 0.0188	0.0173 0.0221	0.0200	Ave		0.0196				7.8		20.0			
1,1-Dichloroethene	0.1744 0.2478	0.2632 0.2471	0.2536 0.2514	0.2399 0.2537	0.2371	Ave		0.2409			0.1000	10.8		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1485 0.1841	0.1379 0.2032	0.1707 0.2028	0.1804 0.2034	0.1865	Ave		0.1797			0.0500	13.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Acetone	0.4831 0.1294	0.2930 0.1226	0.2056 0.1152	0.1445 0.1228	0.1237	Lin1	0.3649	0.1178			0.0100	6.5		30.0	0.9990		0.9900
Iodomethane	0.4050 0.4444	0.4117 0.4211	0.4320 0.4200	0.4291 0.4217	0.4153	Ave		0.4223				2.8		20.0			
Carbon disulfide	0.5800 0.6539	0.6240 0.6412	0.6682 0.6483	0.6335 0.6484	0.6320	Ave		0.6366			0.1000	3.9		20.0			
Methyl acetate	0.3314 0.3008	0.3370 0.2967	0.3406 0.2973	0.2964 0.3014	0.2871	Ave		0.3098			0.0500	6.6		20.0			
3-Chloro-1-propene	0.1335 0.1617	0.1433 0.1603	0.1580 0.1589	0.1537 0.1609	0.1503	Ave		0.1534				6.2		20.0			
Methylene Chloride	0.3573 0.2699	0.3260 0.2605	0.2990 0.2578	0.2745 0.2605	0.2673	Ave		0.2859			0.1000	12.2		20.0			
2-Methyl-2-propanol	0.0375 0.0364	0.0394 0.0355	0.0381 0.0345	0.0373 0.0340	0.0345	Ave		0.0364				5.1		20.0			
Acrylonitrile	0.1321 0.1493	0.1356 0.1465	0.1543 0.1446	0.1462 0.1452	0.1412	Ave		0.1439				4.7		20.0			
Methyl tert-butyl ether	0.5057 0.5842	0.5711 0.5459	0.6019 0.5510	0.5675 0.5454	0.5489	Ave		0.5580			0.1000	4.9		20.0			
trans-1,2-Dichloroethene	0.3464 0.3275	0.3320 0.3203	0.3451 0.3190	0.3378 0.3128	0.3145	Ave		0.3284			0.1000	3.9		20.0			
Hexane	0.0485 0.0715	0.0806 0.0816	0.0596 0.0836	0.0640 0.0834	0.0682	Ave		0.0712				17.3		20.0			
1,1-Dichloroethane	0.4922 0.5538	0.5416 0.5458	0.5866 0.5442	0.5399 0.5404	0.5299	Ave		0.5416			0.2000	4.5		20.0			
Vinyl acetate	0.4265 0.4583	0.4502 0.4911	0.4906 0.4472	0.4701 0.4753	0.4208	Ave		0.4589				5.5		20.0			
2-Butanone (MEK)	0.0525 0.0522	0.0609 0.0532	0.0601 0.0518	0.0513 0.0527	0.0498	Ave		0.0538			0.0100	7.3		20.0			
cis-1,2-Dichloroethene	0.3577 0.3624	0.3711 0.3544	0.3724 0.3528	0.3573 0.3553	0.3464	Ave		0.3589			0.1000	2.4		20.0			
2,2-Dichloropropane	0.0742 0.0661	0.0616 0.0633	0.0674 0.0626	0.0637 0.0603	0.0620	Ave		0.0646				6.6		20.0			
Chlorobromomethane	0.1657 0.1984	0.1942 0.1931	0.2097 0.1906	0.1944 0.1912	0.1894	Ave		0.1919				6.0		20.0			
Tetrahydrofuran	0.1426 0.1177	0.1323 0.1191	0.1316 0.1171	0.1164 0.1213	0.1099	Ave		0.1231				8.3		20.0			

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CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Chloroform	0.5799 0.5855	0.6126 0.5727	0.6190 0.5620	0.5833 0.5602	0.5743	Ave		0.5833			0.2000	3.5		20.0			
1,1,1-Trichloroethane	0.3730 0.4130	0.4031 0.4023	0.4039 0.3982	0.4027 0.3927	0.3986	Ave		0.3986			0.1000	2.8		20.0			
Cyclohexane	0.3199 0.3875	0.3729 0.4296	0.3424 0.4389	0.3552 0.4360	0.3861	Ave		0.3854			0.1000	11.1		20.0			
1,1-Dichloropropene	0.3280 0.4384	0.4036 0.4383	0.4196 0.4367	0.4178 0.4328	0.4200	Ave		0.4150				8.4		20.0			
Carbon tetrachloride	0.3190 0.4214	0.3903 0.4213	0.4140 0.4250	0.4002 0.4181	0.4118	Ave		0.4023			0.1000	8.2		20.0			
Isobutyl alcohol	0.0169 0.0191	0.0181 0.0187	0.0174 0.0171	0.0187 0.0164	0.0189	Ave		0.0179				5.5		20.0			
Benzene	1.1490 1.3042	1.2881 1.2600	1.3637 1.2445	1.2844 1.2298	1.2486	Ave		1.2636			0.5000	4.6		20.0			
1,2-Dichloroethane	0.4600 0.4723	0.4716 0.4508	0.4974 0.4423	0.4780 0.4383	0.4507	Ave		0.4624			0.1000	4.1		20.0			
n-Heptane	0.0708 0.0907	0.0784 0.1009	0.0736 0.1017	0.0762 0.1033	0.0838	Ave		0.0866				14.9		20.0			
Trichloroethene	0.3464 0.4063	0.3950 0.3891	0.4027 0.3896	0.3939 0.3867	0.3837	Ave		0.3881			0.1500	4.4		20.0			
Methylcyclohexane	0.3461 0.4550	0.4419 0.5149	0.3940 0.5182	0.4058 0.5209	0.4396	Ave		0.4485			0.1000	13.6		20.0			
1,2-Dichloropropane	0.2833 0.3278	0.3137 0.3196	0.3306 0.3184	0.3133 0.3212	0.3093	Ave		0.3153			0.1000	4.4		20.0			
1,4-Dioxane	0.0041 0.0048	0.0045 0.0047	0.0046 0.0046	0.0047 0.0045	0.0045	Ave		0.0046				4.4		20.0			
Dibromomethane	0.2106 0.2292	0.2240 0.2196	0.2381 0.2187	0.2316 0.2175	0.2203	Ave		0.2233				3.8		20.0			
Dichlorobromomethane	0.3795 0.4299	0.3998 0.4213	0.4271 0.4186	0.4157 0.4224	0.4128	Ave		0.4141			0.1500	3.8		20.0			
2-Chloroethyl vinyl ether	0.1794 0.2389	0.1966 0.2431	0.2025 0.2454	0.2150 0.2467	0.2135	Ave		0.2201				11.1		20.0			
cis-1,3-Dichloropropene	0.3740 0.5231	0.4538 0.5192	0.4941 0.5290	0.4866 0.5294	0.4807	Ave		0.4878			0.1500	10.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.3017 0.3512	0.3152 0.3519	0.3221 0.3511	0.3189 0.3515	0.3246	Ave		0.3320			0.0500	5.9		20.0			

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CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Toluene	1.6694 1.9047	1.8127 1.8120	1.8749 1.8118	1.8239 1.7457	1.8582	Ave		1.8126			0.4000	3.9		20.0			
trans-1,3-Dichloropropene	0.4975 0.6338	0.5571 0.6245	0.5958 0.6435	0.5711 0.6353	0.5865	Ave		0.5939			0.1000	8.0		20.0			
Ethyl methacrylate	0.4759 0.6142	0.5084 0.6189	0.5240 0.6449	0.5202 0.6349	0.5521	Ave		0.5660				11.1		20.0			
1,1,2-Trichloroethane	0.3998 0.4351	0.4357 0.4146	0.4484 0.4182	0.4252 0.4073	0.4222	Ave		0.4229			0.1000	3.6		20.0			
Tetrachloroethene	0.3427 0.4449	0.4367 0.4264	0.4161 0.4229	0.4208 0.4140	0.4285	Ave		0.4170			0.1500	7.1		20.0			
1,3-Dichloropropane	0.6343 0.7439	0.7388 0.7113	0.7260 0.7219	0.7132 0.6982	0.7141	Ave		0.7113				4.5		20.0			
2-Hexanone	0.2465 0.3318	0.2795 0.3354	0.2978 0.3258	0.2952 0.3162	0.3116	Ave		0.3044			0.0500	9.3		20.0			
Chlorodibromomethane	0.4153 0.4989	0.4443 0.4911	0.4576 0.4999	0.4669 0.4919	0.4717	Ave		0.4708				6.0		20.0			
Ethylene Dibromide	0.4030 0.4646	0.4351 0.4466	0.4490 0.4480	0.4450 0.4363	0.4351	Ave		0.4403				3.8		20.0			
Chlorobenzene	1.1694 1.2877	1.2578 1.2328	1.3224 1.2386	1.2347 1.1955	1.2594	Ave		1.2442			0.3000	3.7		20.0			
1,1,1,2-Tetrachloroethane	0.3530 0.4639	0.4451 0.4616	0.4771 0.4611	0.4432 0.4444	0.4510	Ave		0.4445				8.1		20.0			
Ethylbenzene	0.5256 0.6798	0.6178 0.6603	0.6464 0.6646	0.6169 0.6367	0.6388	Ave		0.6319				7.1		20.0			
m-Xylene & p-Xylene	0.6710 0.8294	0.7275 0.8184	0.7538 0.8078	0.7399 0.7840	0.7829	Ave		0.7683				6.6		20.0			
o-Xylene	0.5931 0.7992	0.6664 0.7944	0.7687 0.7773	0.7315 0.7605	0.7463	Ave		0.7375				9.1		20.0			
Styrene	0.9005 1.3474	1.1254 1.3246	1.1717 1.3269	1.1695 1.2659	1.2354	Ave		1.2075			0.3000	11.5		20.0			
Bromoform	0.2931 0.3920	0.3493 0.3905	0.3690 0.3930	0.3615 0.3806	0.3704	Ave		0.3666			0.1000	8.5		20.0			
Isopropylbenzene	1.3164 1.8078	1.5586 1.7717	1.5857 1.7579	1.6206 1.6538	1.7241	Ave		1.6441			0.1000	9.2		20.0			
1,1,2,2-Tetrachloroethane	0.8586 0.9812	1.0896 0.9780	1.0782 0.9592	0.9651 0.9689	0.9306	Ave		0.9788			0.3000	7.2		20.0			

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CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
trans-1,4-Dichloro-2-butene	0.2769 0.3138	0.2896 0.3166	0.3267 0.3090	0.2960 0.3074	0.2911	Ave		0.3030				5.2		20.0			
Bromobenzene	0.8890 1.0407	1.0785 1.0178	1.0716 1.0305	1.0364 1.0267	0.9924	Ave		1.0204				5.5		20.0			
1,2,3-Trichloropropane	0.3335 0.3638	0.3611 0.3593	0.3987 0.3519	0.3643 0.3524	0.3346	Ave		0.3577				5.4		20.0			
N-Propylbenzene	0.7890 0.9975	0.9100 1.0168	0.9077 1.0199	0.9353 1.0038	0.9340	Ave		0.9460				7.9		20.0			
2-Chlorotoluene	0.6884 0.8997	0.8186 0.8892	0.8759 0.8906	0.8618 0.8856	0.8544	Ave		0.8516				7.7		20.0			
1,3,5-Trimethylbenzene	2.0887 2.7978	2.3687 2.7840	2.5583 2.7170	2.5388 2.7001	2.5864	Ave		2.5711				8.8		20.0			
4-Chlorotoluene	0.8092 0.9562	0.8951 0.9349	0.8990 0.9447	0.9192 0.9261	0.8869	Ave		0.9079				4.8		20.0			
tert-Butylbenzene	2.0790 2.5508	2.3056 2.5803	2.3789 2.5518	2.5326 2.5291	2.3745	Ave		2.4314				6.8		20.0			
1,2,4-Trimethylbenzene	2.0926 2.9062	2.5763 2.8837	2.6015 2.8146	2.6342 2.7811	2.6561	Ave		2.6607				9.2		20.0			
sec-Butylbenzene	2.6151 3.4719	3.0700 3.5098	3.2164 3.4469	3.2581 3.3748	3.2449	Ave		3.2453				8.5		20.0			
4-Isopropyltoluene	2.1559 3.1351	2.5439 3.1305	2.7428 3.0568	2.8679 2.9859	2.8720	Ave		2.8323				11.2		20.0			
1,3-Dichlorobenzene	1.6775 1.9073	1.8328 1.8644	1.9793 1.8331	1.8971 1.7952	1.7999	Ave		1.8430			0.6000	4.6		20.0			
1,4-Dichlorobenzene	1.7916 1.9607	1.9241 1.8723	1.9235 1.8449	1.8976 1.7850	1.8540	Ave		1.8726			0.5000	3.2		20.0			
n-Butylbenzene	1.9554 2.6722	2.2916 2.7273	2.3809 2.6919	2.4303 2.6120	2.4433	Ave		2.4672				10.0		20.0			
1,2-Dichlorobenzene	1.6159 1.8280	1.8687 1.7452	1.8401 1.7040	1.7250 1.6713	1.6864	Ave		1.7427			0.4000	4.9		20.0			
1,2-Dibromo-3-Chloropropane	0.1844 0.2554	0.2464 0.2566	0.2380 0.2547	0.2417 0.2636	0.2414	Ave		0.2425			0.0500	9.6		20.0			
1,2,4-Trichlorobenzene	1.0585 1.2621	1.1868 1.2302	1.1894 1.2318	1.2109 1.2233	1.1850	Ave		1.1975			0.2000	4.8		20.0			
Hexachlorobutadiene	0.6075 0.6937	0.7305 0.6807	0.6421 0.6459	0.6860 0.6476	0.6510	Ave		0.6650				5.4		20.0			

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CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	2.2019 2.8924	2.4399 2.9276	2.5135 2.9739	2.6205 2.9825	2.6066	Ave		2.6843				10.3		20.0			
1,2,3-Trichlorobenzene	1.1444 1.1894	1.1195 1.1733	1.1596 1.1784	1.1328 1.1810	1.0966	Ave		1.1528				2.7		20.0			
Dibromofluoromethane (Surr)	0.2892 0.2802	0.2765 0.2799	0.2950 0.2761	0.2700 0.2831	0.2847	Ave		0.2816				2.6		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3394 0.3262	0.3227 0.3133	0.3369 0.3124	0.3078 0.3191	0.3237	Ave		0.3224				3.3		20.0			
Toluene-d8 (Surr)	1.3375 1.4030	1.3419 1.3620	1.3861 1.3989	1.2945 1.3832	1.4192	Ave		1.3696				2.9		20.0			
4-Bromofluorobenzene (Surr)	0.4505 0.4848	0.4482 0.4898	0.4801 0.4934	0.4526 0.4802	0.4919	Ave		0.4746				4.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 | Calibration End Date: 07/18/2025 18:31 | Calibration ID: 78258

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-664444/4	250718-202.D
Level 2	IC 240-664444/5	250718-203.D
Level 3	IC 240-664444/6	250718-204.D
Level 4	IC 240-664444/7	250718-205.D
Level 5	IC 240-664444/8	250718-206.D
Level 6	ICIS 240-664444/9	250718-207.D
Level 7	IC 240-664444/10	250718-208.D
Level 8	IC 240-664444/11	250718-209.D
Level 9	IC 240-664444/12	250718-210.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	4773 333602	13662 737919	29734 1106624	73686 1491230	163769	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Chloromethane	FB	Ave	6919 321271	14617 657225	31076 1025668	80079 1408055	154362	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Vinyl chloride	FB	Ave	6029 319998	12844 662601	34589 997952	79084 1306109	162355	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Butadiene	FB	Ave	4335 304791	10598 645698	27106 974757	69623 1279044	146243	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Bromomethane	FB	Qua	+++++ 250316	1055 503681	25898 724165	63548 860492	125085	+++++ 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Chloroethane	FB	Ave	4885 233009	8230 474980	21031 712543	56026 937428	115060	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Dichlorofluoromethane	FB	Qua	+++++ 240894	6411 563662	18370 928755	49559 +++++	103907	+++++ 25.0	1.00 50.0	2.50 75.0	6.25 +++++	12.5
Trichlorofluoromethane	FB	Ave	4729 290770	10039 626019	24283 978800	59708 1297369	132529	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Ethyl ether	FB	Ave	5074 279356	10766 592183	28382 899727	71368 1205122	136017	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Acrolein	FB	Ave	2156 120671	4369 216497	11395 339264	24692 532336	57949	2.50 125	5.00 250	12.5 375	31.3 500	62.5
1,1-Dichloroethene	FB	Ave	3918 281381	11865 592436	28132 907735	68640 1223898	137225	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3336 209062	6215 486988	18932 732125	51595 981467	107934	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Acetone	FB	Lin1	21707 293920	26417 588002	45605 831651	82664 1185089	143170	1.00 50.0	2.00 100	5.00 150	12.5 200	25.0
Iodomethane	FB	Ave	9100 504533	18558 1009436	47920 1516554	122742 2034572	240399	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbon disulfide	FB	Ave	13031 742378	28127 1537070	74111 2340956	181235 3128277	365800	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Methyl acetate	FB	Ave	14890 682996	30379 1422485	75549 2147032	169605 2908019	332419	1.00 50.0	2.00 100	5.00 150	12.5 200	25.0
3-Chloro-1-propene	FB	Ave	3000 183628	6461 384160	17527 573866	43956 776525	87015	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Methylene Chloride	FB	Ave	8027 306482	14695 624415	33162 930836	78529 1257009	154746	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
2-Methyl-2-propanol	FB	Ave	8416 413475	17746 851162	42242 1245347	106777 1641721	199788	5.00 250	10.0 500	25.0 750	62.5 1000	125
Acrylonitrile	FB	Ave	29687 1694689	61116 3512003	171152 5222991	418242 7004904	817394	5.00 250	10.0 500	25.0 750	62.5 1000	125
Methyl tert-butyl ether	FB	Ave	11363 663297	25745 1308518	66761 1989600	162350 2631384	317738	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
trans-1,2-Dichloroethene	FB	Ave	7783 371825	14965 767733	38275 1151814	96626 1509146	182024	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Hexane	FB	Ave	1089 81196	3633 195580	6613 301707	18308 402250	39473	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,1-Dichloroethane	FB	Ave	11059 628751	24414 1308385	65070 1965061	154447 2607264	306741	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Vinyl acetate	FB	Ave	9583 520363	20296 1177148	54416 1614675	134495 2293289	243582	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
2-Butanone (MEK)	FB	Ave	2358 118444	5493 255038	13338 374073	29379 508605	57609	1.00 50.0	2.00 100	5.00 150	12.5 200	25.0
cis-1,2-Dichloroethene	FB	Ave	8037 411438	16728 849642	41307 1274030	102223 1714445	200523	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
2,2-Dichloropropane	FB	Ave	1667 75085	2776 151653	7476 226034	18216 290816	35910	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Chlorobromomethane	FB	Ave	3724 225216	8754 462811	23265 688307	55624 922364	109607	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Tetrahydrofuran	FB	Ave	6408 267208	11927 571040	29188 845374	66603 1170674	127251	1.00 50.0	2.00 100	5.00 150	12.5 200	25.0
Chloroform	FB	Ave	13030 664755	27615 1372919	68659 2029126	166875 2703047	332439	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,1,1-Trichloroethane	FB	Ave	8381 468968	18170 964309	44797 1437700	115204 1894917	230716	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Cyclohexane	FB	Ave	7187 439963	16810 1029698	37980 1584803	101626 2103651	223477	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,1-Dichloropropene	FB	Ave	7370 497728	18194 1050604	46546 1577021	119535 2088201	243107	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Carbon tetrachloride	FB	Ave	7167	17595	45920	114478	238373	0.500	1.00	2.50	6.25	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 | Calibration End Date: 07/18/2025 18:31 | Calibration ID: 78258

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			478511	1009859	1534700	2017259		25.0	50.0	75.0	100	
Isobutyl alcohol	CBNZd5	Ave	7414 411721	15240 855259	36722 1166794	102254 1522855	203334	12.5 625	25.0 1250	62.5 1875	156 2500	313
Benzene	FB	Ave	25816 1480745	58064 3020282	151257 4493662	367436 5933372	722755	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,2-Dichloroethane	FB	Ave	10335 536195	21261 1080706	55167 1597037	136754 2114729	260892	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
n-Heptane	FB	Ave	1590 103011	3532 241936	8164 367149	21803 498351	48521	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Trichloroethene	FB	Ave	7784 461262	17805 932614	44664 1406758	112672 1865577	222114	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Methylcyclohexane	FB	Ave	7777 516602	19922 1234354	43702 1871239	116102 2512990	254444	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,2-Dichloropropane	FB	Ave	6365 372153	14143 766182	36671 1149784	89623 1549704	179038	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,4-Dioxane	FB	Ave	1828 108452	4101 223263	10152 334419	26704 438860	52137	10.0 500	20.0 1000	50.0 1500	125 2000	250
Dibromomethane	FB	Ave	4732 260222	10099 526455	26410 789680	66259 1049223	127514	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Dichlorobromomethane	FB	Ave	8527 488126	18024 1009891	47378 1511342	118935 2037885	238961	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
2-Chloroethyl vinyl ether	FB	Ave	8061 542509	17723 1165347	44931 1771957	122995 2380693	247119	1.00 50.0	2.00 100	5.00 150	12.5 200	25.0
cis-1,3-Dichloropropene	FB	Ave	8403 593950	20458 1244657	54806 1910309	139208 2554037	278228	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
4-Methyl-2-pentanone (MIBK)	FB	Ave	13556 797536	28419 1686888	71454 2535309	182467 3392026	375800	1.00 50.0	2.00 100	5.00 150	12.5 200	25.0
Toluene	CBNZd5	Ave	29234 1638224	61154 3323538	157935 4942560	399516 6484603	800016	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
trans-1,3-Dichloropropene	CBNZd5	Ave	8712 545166	18795 1145501	50188 1755521	125106 2360036	252488	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Ethyl methacrylate	CBNZd5	Ave	8334 528267	17153 1135197	44137 1759307	113959 2358237	237709	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,1,2-Trichloroethane	CBNZd5	Ave	7001 374203	14700 760398	37774 1140951	93143 1512781	181765	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Tetrachloroethene	CBNZd5	Ave	6002	14734	35051	92184	184486	0.500	1.00	2.50	6.25	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 | Calibration End Date: 07/18/2025 18:31 | Calibration ID: 78258

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			382630	782026	1153649	1538007		25.0	50.0	75.0	100	
1,3-Dichloropropane	CBNZd5	Ave	11108 639871	24924 1304536	61157 1969469	156233 2593496	307460	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
2-Hexanone	CBNZd5	Ave	8635 570760	18861 1230288	50177 1777657	129309 2349442	268315	1.00 50.0	2.00 100	5.00 150	12.5 200	25.0
Chlorodibromomethane	CBNZd5	Ave	7272 429069	14988 900728	38547 1363852	102268 1827153	203071	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Ethylene Dibromide	CBNZd5	Ave	7057 399567	14677 819168	37820 1222210	97479 1620754	187319	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Chlorobenzene	CBNZd5	Ave	20479 1107574	42434 2261078	111389 3378916	270462 4440613	542198	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	6182 399023	15015 846666	40192 1258002	97091 1650617	194178	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Ethylbenzene	CBNZd5	Ave	9205 584690	20841 1211096	54450 1813015	135129 2364981	275006	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
m-Xylene & p-Xylene	CBNZd5	Ave	11750 713408	24542 1501026	63494 2203795	162071 2912211	337054	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
o-Xylene	CBNZd5	Ave	10387 687396	22481 1457121	64749 2120544	160242 2825065	321294	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Styrene	CBNZd5	Ave	15770 1158926	37968 2429435	98694 3619763	256176 4702435	531865	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Bromoform	CBNZd5	Ave	5133 337149	11785 716299	31079 1072023	79180 1413653	159469	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Isopropylbenzene	CBNZd5	Ave	23053 1554870	52582 3249545	133569 4795504	354991 6143303	742268	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,1,2,2-Tetrachloroethane	DCBd4	Ave	8208 493501	20136 1025163	50494 1476798	117803 1939354	237745	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
trans-1,4-Dichloro-2-butene	DCBd4	Ave	2647 157816	5352 331842	15298 475717	36134 615377	74365	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Bromobenzene	DCBd4	Ave	8498 523451	19932 1066907	50185 1586582	126501 2055012	253529	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 | Calibration End Date: 07/18/2025 18:31 | Calibration ID: 78258

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,2,3-Trichloropropane	DCBd4	Ave	3188 182956	6673 376662	18672 541763	44470 705323	85487	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
N-Propylbenzene	DCBd4	Ave	7542 501708	16817 1065874	42509 1570305	114158 2009217	238611	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
2-Chlorotoluene	DCBd4	Ave	6581 452503	15129 932111	41021 1371311	105187 1772654	218276	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,3,5-Trimethylbenzene	DCBd4	Ave	19966 1407204	43776 2918268	119805 4183266	309876 5404346	660742	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
4-Chlorotoluene	DCBd4	Ave	7735 480920	16543 980026	42100 1454616	112189 1853681	226567	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
tert-Butylbenzene	DCBd4	Ave	19874 1282951	42609 2704716	111405 3928906	309121 5062062	606610	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,2,4-Trimethylbenzene	DCBd4	Ave	20004 1461684	47611 3022751	121827 4333521	321519 5566554	678538	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
sec-Butylbenzene	DCBd4	Ave	24998 1746255	56735 3679060	150623 5307126	397678 6754806	828962	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
4-Isopropyltoluene	DCBd4	Ave	20609 1576850	47014 3281469	128446 4706478	350048 5976539	733692	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,3-Dichlorobenzene	DCBd4	Ave	16036 959285	33872 1954276	92693 2822417	231554 3593202	459820	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,4-Dichlorobenzene	DCBd4	Ave	17126 986131	35559 1962597	90076 2840530	231612 3572770	473635	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
n-Butylbenzene	DCBd4	Ave	18692 1344000	42351 2858815	111499 4144618	296638 5228020	624166	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,2-Dichlorobenzene	DCBd4	Ave	15447 919429	34534 1829349	86173 2623631	210550 3345267	430812	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1763 128463	4553 268966	11147 392147	29502 527653	61666	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,2,4-Trichlorobenzene	DCBd4	Ave	10118 634764	21932 1289490	55702 1896562	147797 2448544	302723	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Hexachlorobutadiene	DCBd4	Ave	5807 348888	13501 713526	30072 994474	83729 1296166	166316	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Naphthalene	DCBd4	Ave	21048 1454787	45091 3068740	117707 4578842	319848 5969688	665897	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
1,2,3-Trichlorobenzene	DCBd4	Ave	10940 598214	20689 1229918	54304 1814405	138262 2363833	280135	0.500 25.0	1.00 50.0	2.50 75.0	6.25 100	12.5
Dibromofluoromethane (Surr)	FB	Ave	324883 318109	311602 335439	327188 332348	308996 341504	329591	25.0 25.0	25.0 25.0	25.0 25.0	25.0 25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	381246 370387	363621 375519	373676 375959	352190 384934	374699	25.0 25.0	25.0 25.0	25.0 25.0	25.0 25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Toluene-d8 (Surr)	CBNZd5	Ave	1171117 1206749	1131806 1249028	1167533 1272108	1134209 1284477	1222048	25.0 25.0	25.0 25.0	25.0 25.0	25.0 25.0	25.0
4-Bromofluorobenzene (Surr)	CBNZd5	Ave	394455 417021	377974 449205	404417 448622	396557 445945	423521	25.0 25.0	25.0 25.0	25.0 25.0	25.0 25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 | Calibration End Date: 07/18/2025 18:31 | Calibration ID: 78258

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-664444/4	250718-202.D
Level 2	IC 240-664444/5	250718-203.D
Level 3	IC 240-664444/6	250718-204.D
Level 4	IC 240-664444/7	250718-205.D
Level 5	IC 240-664444/8	250718-206.D
Level 6	ICIS 240-664444/9	250718-207.D
Level 7	IC 240-664444/10	250718-208.D
Level 8	IC 240-664444/11	250718-209.D
Level 9	IC 240-664444/12	250718-210.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-24.8 9.0	7.3 8.5	-5.1 9.5	-8.8	0.2	4.1	50 30	30 30	30 30	30	30	30
Chloromethane	6.9 -4.8	12.6 -1.4	-2.7 1.3	-2.8	-7.4	-1.7	50 30	30 30	30 30	30	30	30
Vinyl chloride	-4.4 -1.6	1.5 -1.6	11.0 -3.6	-1.6	-0.1	0.4	50 30	30 30	30 30	30	30	30
Butadiene	-22.5 8.2	-5.6 8.4	-1.9 6.5	-2.3	1.5	7.8	50 30	30 30	30 30	30	30	30
Bromomethane	+++++ -1.2	-9.5 2.9	26.5 -1.2	3.3	-4.3	-2.4	 30	50 30	30 30	30	30	30
Chloroethane	10.0 0.2	-7.6 -0.2	-4.1 -1.7	-0.9	0.6	3.8	50 30	30 30	30 30	30	30	30
Dichlorofluoromethane	+++++ 0.3	35.9 -0.1	9.9 +++++	-2.5	-6.5	1.1	 30	50 30	30	30	30	30
Trichlorofluoromethane	-11.8 9.5	-6.6 13.6	-8.2 12.7	-12.5	-4.0	7.4	50 30	30 30	30 30	30	30	30
Ethyl ether	-7.5 1.2	-2.2 2.1	4.8 2.3	2.2	-3.7	0.8	50 30	30 30	30 30	30	30	30
Acrolein	-2.2 -7.9	-1.2 -4.2	4.7 12.5	-12.0	2.0	8.3	50 30	30 30	30 30	30	30	30
1,1-Dichloroethene	-27.6 2.6	9.3 4.3	5.3 5.3	-0.4	-1.6	2.9	50 30	30 30	30 30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	-17.4 13.1	-23.3 12.8	-5.0 13.2	0.4	3.8	2.5	50 30	30 30	30 30	30	30	30
Acetone	0.3 1.0	-6.2 -4.3	12.5 2.7	-2.2	-7.4	3.6	50 30	30 30	30 30	30	30	30
Iodomethane	-4.1 -0.3	-2.5 -0.5	2.3 -0.1	1.6	-1.6	5.2	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 | Calibration End Date: 07/18/2025 18:31 | Calibration ID: 78258

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Carbon disulfide	-8.9 0.7	-2.0 1.8	5.0 1.9	-0.5	-0.7	2.7	50 30	30 30	30 30	30	30	30
Methyl acetate	6.9 -4.2	8.8 -4.0	9.9 -2.7	-4.3	-7.3	-2.9	50 30	30 30	30 30	30	30	30
3-Chloro-1-propene	-13.0 4.5	-6.6 3.6	3.0 4.9	0.2	-2.0	5.4	50 30	30 30	30 30	30	30	30
Methylene Chloride	25.0 -8.9	14.0 -9.8	4.6 -8.9	-4.0	-6.5	-5.6	50 30	30 30	30 30	30	30	30
2-Methyl-2-propanol	3.0 -2.3	8.3 -5.1	4.8 -6.4	2.7	-5.1	0.2	50 30	30 30	30 30	30	30	30
Acrylonitrile	-8.2 1.8	-5.8 0.5	7.2 0.9	1.6	-1.9	3.7	50 30	30 30	30 30	30	30	30
Methyl tert-butyl ether	-9.4 -2.2	2.4 -1.2	7.9 -2.3	1.7	-1.6	4.7	50 30	30 30	30 30	30	30	30
trans-1,2-Dichloroethene	5.5 -2.5	1.1 -2.9	5.1 -4.7	2.9	-4.2	-0.3	50 30	30 30	30 30	30	30	30
Hexane	-31.9 14.6	13.2 17.3	-16.3 17.1	-10.1	-4.2	0.4	50 30	30 30	30 30	30	30	30
1,1-Dichloroethane	-9.1 0.8	0.0 0.5	8.3 -0.2	-0.3	-2.2	2.2	50 30	30 30	30 30	30	30	30
Vinyl acetate	-7.1 7.0	-1.9 -2.6	6.9 3.6	2.4	-8.3	-0.1	50 30	30 30	30 30	30	30	30
2-Butanone (MEK)	-2.5 -1.2	13.2 -3.8	11.7 -2.1	-4.6	-7.6	-3.1	50 30	30 30	30 30	30	30	30
cis-1,2-Dichloroethene	-0.3 -1.2	3.4 -1.7	3.8 -1.0	-0.4	-3.5	1.0	50 30	30 30	30 30	30	30	30
2,2-Dichloropropane	14.9 -2.0	-4.6 -3.1	4.4 -6.7	-1.4	-3.9	2.4	50 30	30 30	30 30	30	30	30
Chlorobromomethane	-13.6 0.6	1.2 -0.6	9.3 -0.4	1.3	-1.3	3.4	50 30	30 30	30 30	30	30	30
Tetrahydrofuran	15.8 -3.2	7.5 -4.9	6.9 -1.5	-5.4	-10.7	-4.4	50 30	30 30	30 30	30	30	30
Chloroform	-0.6 -1.8	5.0 -3.7	6.1 -4.0	0.0	-1.5	0.4	50 30	30 30	30 30	30	30	30
1,1,1-Trichloroethane	-6.4 0.9	1.1 -0.1	1.3 -1.5	1.0	0.0	3.6	50 30	30 30	30 30	30	30	30
Cyclohexane	-17.0 11.5	-3.2 13.9	-11.2 13.1	-7.8	0.2	0.5	50 30	30 30	30 30	30	30	30
1,1-Dichloropropene	-21.0 5.6	-2.8 5.2	1.1 4.3	0.7	1.2	5.6	50 30	30 30	30 30	30	30	30
Carbon tetrachloride	-20.7 4.7	-3.0 5.6	2.9 3.9	-0.5	2.4	4.7	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 | Calibration End Date: 07/18/2025 18:31 | Calibration ID: 78258

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Isobutyl alcohol	-5.5 4.1	0.8 -4.5	-2.7 -8.5	4.2	5.4	6.8	50 30	30 30	30 30	30	30	30
Benzene	-9.1 -0.3	1.9 -1.5	7.9 -2.7	1.6	-1.2	3.2	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane	-0.5 -2.5	2.0 -4.3	7.6 -5.2	3.4	-2.5	2.1	50 30	30 30	30 30	30	30	30
n-Heptane	-18.3 16.5	-9.5 17.4	-15.0 19.3	-12.0	-3.2	4.8	50 30	30 30	30 30	30	30	30
Trichloroethene	-10.7 0.2	1.8 0.4	3.7 -0.4	1.5	-1.1	4.7	50 30	30 30	30 30	30	30	30
Methylcyclohexane	-22.8 14.8	-1.5 15.5	-12.2 16.1	-9.5	-2.0	1.4	50 30	30 30	30 30	30	30	30
1,2-Dichloropropane	-10.1 1.4	-0.5 1.0	4.9 1.9	-0.6	-1.9	4.0	50 30	30 30	30 30	30	30	30
1,4-Dioxane	-10.7 2.3	-0.1 1.7	0.5 -0.1	2.5	-1.1	4.9	50 30	30 30	30 30	30	30	30
Dibromomethane	-5.7 -1.6	0.3 -2.1	6.6 -2.6	3.7	-1.3	2.6	50 30	30 30	30 30	30	30	30
Dichlorobromomethane	-8.4 1.7	-3.5 1.1	3.1 2.0	0.4	-0.3	3.8	50 30	30 30	30 30	30	30	30
2-Chloroethyl vinyl ether	-18.5 10.4	-10.7 11.5	-8.0 12.1	-2.3	-3.0	8.5	50 30	30 30	30 30	30	30	30
cis-1,3-Dichloropropene	-23.3 6.4	-7.0 8.5	1.3 8.5	-0.2	-1.5	7.2	50 30	30 30	30 30	30	30	30
4-Methyl-2-pentanone (MIBK)	-9.1 6.0	-5.1 5.7	-3.0 5.9	-3.9	-2.2	5.8	50 30	30 30	30 30	30	30	30
Toluene	-7.9 0.0	0.0 0.0	3.4 -3.7	0.6	2.5	5.1	50 30	30 30	30 30	30	30	30
trans-1,3-Dichloropropene	-16.2 5.2	-6.2 8.4	0.3 7.0	-3.8	-1.3	6.7	50 30	30 30	30 30	30	30	30
Ethyl methacrylate	-15.9 9.4	-10.2 14.0	-7.4 12.2	-8.1	-2.4	8.5	50 30	30 30	30 30	30	30	30
1,1,2-Trichloroethane	-5.5 -2.0	3.0 -1.1	6.0 -3.7	0.5	-0.2	2.9	50 30	30 30	30 30	30	30	30
Tetrachloroethene	-17.8 2.2	4.7 1.4	-0.2 -0.7	0.9	2.8	6.7	50 30	30 30	30 30	30	30	30
1,3-Dichloropropane	-10.8 0.0	3.9 1.5	2.1 -1.8	0.3	0.4	4.6	50 30	30 30	30 30	30	30	30
2-Hexanone	-19.0 10.2	-8.2 7.0	-2.2 3.9	-3.0	2.4	9.0	50 30	30 30	30 30	30	30	30
Chlorodibromomethane	-11.8 4.3	-5.6 6.2	-2.8 4.5	-0.8	0.2	6.0	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 | Calibration End Date: 07/18/2025 18:31 | Calibration ID: 78258

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Ethylene Dibromide	-8.5 1.4	-1.2 1.8	2.0 -0.9	1.1	-1.2	5.5	50 30	30 30	30 30	30	30	30
Chlorobenzene	-6.0 -0.9	1.1 -0.5	6.3 -3.9	-0.8	1.2	3.5	50 30	30 30	30 30	30	30	30
1,1,1,2-Tetrachloroethane	-20.6 3.8	0.1 3.7	7.3 0.0	-0.3	1.5	4.4	50 30	30 30	30 30	30	30	30
Ethylbenzene	-16.8 4.5	-2.2 5.2	2.3 0.8	-2.4	1.1	7.6	50 30	30 30	30 30	30	30	30
m-Xylene & p-Xylene	-12.7 6.5	-5.3 5.1	-1.9 2.0	-3.7	1.9	8.0	50 30	30 30	30 30	30	30	30
o-Xylene	-19.6 7.7	-9.6 5.4	4.2 3.1	-0.8	1.2	8.4	50 30	30 30	30 30	30	30	30
Styrene	-25.4 9.7	-6.8 9.9	-3.0 4.8	-3.1	2.3	11.6	50 30	30 30	30 30	30	30	30
Bromoform	-20.0 6.5	-4.7 7.2	0.6 3.8	-1.4	1.0	6.9	50 30	30 30	30 30	30	30	30
Isopropylbenzene	-19.9 7.8	-5.2 6.9	-3.6 0.6	-1.4	4.9	10.0	50 30	30 30	30 30	30	30	30
1,1,2,2-Tetrachloroethane	-12.3 -0.1	11.3 -2.0	10.2 -1.0	-1.4	-4.9	0.2	50 30	30 30	30 30	30	30	30
trans-1,4-Dichloro-2-butene	-8.6 4.5	-4.4 2.0	7.8 1.5	-2.3	-3.9	3.6	50 30	30 30	30 30	30	30	30
Bromobenzene	-12.9 -0.3	5.7 1.0	5.0 0.6	1.6	-2.7	2.0	50 30	30 30	30 30	30	30	30
1,2,3-Trichloropropane	-6.8 0.4	0.9 -1.6	11.5 -1.5	1.8	-6.5	1.7	50 30	30 30	30 30	30	30	30
N-Propylbenzene	-16.6 7.5	-3.8 7.8	-4.0 6.1	-1.1	-1.3	5.4	50 30	30 30	30 30	30	30	30
2-Chlorotoluene	-19.2 4.4	-3.9 4.6	2.9 4.0	1.2	0.3	5.6	50 30	30 30	30 30	30	30	30
1,3,5-Trimethylbenzene	-18.8 8.3	-7.9 5.7	-0.5 5.0	-1.3	0.6	8.8	50 30	30 30	30 30	30	30	30
4-Chlorotoluene	-10.9 3.0	-1.4 4.1	-1.0 2.0	1.2	-2.3	5.3	50 30	30 30	30 30	30	30	30
tert-Butylbenzene	-14.5 6.1	-5.2 5.0	-2.2 4.0	4.2	-2.3	4.9	50 30	30 30	30 30	30	30	30
1,2,4-Trimethylbenzene	-21.3 8.4	-3.2 5.8	-2.2 4.5	-1.0	-0.2	9.2	50 30	30 30	30 30	30	30	30
sec-Butylbenzene	-19.4 8.2	-5.4 6.2	-0.9 4.0	0.4	0.0	7.0	50 30	30 30	30 30	30	30	30
4-Isopropyltoluene	-23.9 10.5	-10.2 7.9	-3.2 5.4	1.3	1.4	10.7	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 664444

SDG No.:

Instrument ID: A3UX27 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2025 15:22 Calibration End Date: 07/18/2025 18:31 Calibration ID: 78258

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
1,3-Dichlorobenzene	-9.0 1.2	-0.6 -0.5	7.4 -2.6	2.9	-2.3	3.5	50 30	30 30	30 30	30	30	30
1,4-Dichlorobenzene	-4.3 0.0	2.7 -1.5	2.7 -4.7	1.3	-1.0	4.7	50 30	30 30	30 30	30	30	30
n-Butylbenzene	-20.7 10.5	-7.1 9.1	-3.5 5.9	-1.5	-1.0	8.3	50 30	30 30	30 30	30	30	30
1,2-Dichlorobenzene	-7.3 0.1	7.2 -2.2	5.6 -4.1	-1.0	-3.2	4.9	50 30	30 30	30 30	30	30	30
1,2-Dibromo-3-Chloropropane	-23.9 5.8	1.6 5.0	-1.8 8.7	-0.3	-0.4	5.3	50 30	30 30	30 30	30	30	30
1,2,4-Trichlorobenzene	-11.6 2.7	-0.9 2.9	-0.7 2.2	1.1	-1.0	5.4	50 30	30 30	30 30	30	30	30
Hexachlorobutadiene	-8.7 2.4	9.9 -2.9	-3.4 -2.6	3.2	-2.1	4.3	50 30	30 30	30 30	30	30	30
Naphthalene	-18.0 9.1	-9.1 10.8	-6.4 11.1	-2.4	-2.9	7.8	50 30	30 30	30 30	30	30	30
1,2,3-Trichlorobenzene	-0.7 1.8	-2.9 2.2	0.6 2.4	-1.7	-4.9	3.2	50 30	30 30	30 30	30	30	30
Dibromofluoromethane (Surr)	2.7 -0.6	-1.8 -2.0	4.7 0.5	-4.1	1.1	-0.5	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane-d4 (Surr)	5.3 -2.8	0.1 -3.1	4.5 -1.0	-4.5	0.4	1.2	50 30	30 30	30 30	30	30	30
Toluene-d8 (Surr)	-2.3 -0.6	-2.0 2.1	1.2 1.0	-5.5	3.6	2.4	50 30	30 30	30 30	30	30	30
4-Bromofluorobenzene (Surr)	-5.1 3.2	-5.6 4.0	1.2 1.2	-4.6	3.6	2.2	50 30	30 30	30 30	30	30	30

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-202.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Jul-2025 15:22:10 ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 240-0157129-004
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:47:04 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

First Level Reviewer: R5XG Date: 21-Jul-2025 07:38:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.707	-0.011	99	1123416	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.661	10.660	0.001	84	875606	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.345	12.344	0.001	93	477960	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.031	0.001	96	324883	25.0	25.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.375	0.001	97	381246	25.0	26.3	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	1171117	25.0	24.4	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	88	394455	25.0	23.7	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	97	4773	0.5000	0.3762	
12 Chloromethane	50	2.407	2.407	0.000	98	6919	0.5000	0.5346	
14 Vinyl chloride	62	2.573	2.585	-0.011	95	6029	0.5000	0.4778	
13 Butadiene	54	2.632	2.644	-0.012	92	4335	0.5000	0.3874	
15 Bromomethane	94	3.083	3.083	0.000	88	6052	0.5000	1.35	
16 Chloroethane	64	3.273	3.272	0.001	94	4885	0.5000	0.5499	M
17 Dichlorofluoromethane	67	3.640	3.640	0.000	59	2806	0.5000	0.9478	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	96	4729	0.5000	0.4411	
19 Ethyl ether	59	4.103	4.102	0.001	83	5074	0.5000	0.4625	
20 Acrolein	56	4.304	4.292	0.012	41	2156	2.50	2.45	
21 1,1-Dichloroethene	96	4.411	4.423	-0.012	95	3918	0.5000	0.3619	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.435	4.446	-0.011	91	3336	0.5000	0.4131	
24 Acetone	43	4.494	4.482	0.012	100	21707	1.00	1.00	
25 Iodomethane	142	4.601	4.612	-0.011	97	9100	0.5000	0.4796	
26 Carbon disulfide	76	4.696	4.695	0.001	99	13031	0.5000	0.4555	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	76	3000	0.5000	0.4352	
29 Methyl acetate	43	4.909	4.909	0.000	95	14890	1.00	1.07	
30 Methylene Chloride	84	5.075	5.075	0.000	88	8027	0.5000	0.6249	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	96	8416	5.00	5.15	
32 Acrylonitrile	53	5.360	5.359	0.001	99	29687	5.00	4.59	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	97	11363	0.5000	0.4532	
33 trans-1,2-Dichloroethene	96	5.395	5.407	-0.012	90	7783	0.5000	0.5275	
35 Hexane	86	5.739	5.727	0.012	91	1089	0.5000	0.3403	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 1,1-Dichloroethane	63	5.905	5.905	0.000	95	11059	0.5000	0.4544	
37 Vinyl acetate	43	5.917	5.917	0.000	82	9583	0.5000	0.4647	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	92	2358	1.00	0.9747	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	78	8037	0.5000	0.4984	
42 2,2-Dichloropropane	97	6.534	6.533	0.001	53	1667	0.5000	0.5745	
46 Chlorobromomethane	128	6.771	6.771	0.000	89	3724	0.5000	0.4319	
49 Tetrahydrofuran	42	6.783	6.782	0.001	85	6408	1.00	1.16	
48 Chloroform	83	6.878	6.865	0.013	93	13030	0.5000	0.4971	
50 1,1,1-Trichloroethane	97	7.044	7.043	0.001	95	8381	0.5000	0.4679	
51 Cyclohexane	56	7.127	7.115	0.013	88	7187	0.5000	0.4150	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	93	7370	0.5000	0.3952	
52 Carbon tetrachloride	117	7.198	7.198	0.000	90	7167	0.5000	0.3964	
54 Isobutyl alcohol	41	7.281	7.281	0.000	93	7414	12.5	11.8	
55 Benzene	78	7.399	7.399	0.000	92	25816	0.5000	0.4547	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	95	10335	0.5000	0.4974	
58 n-Heptane	100	7.672	7.684	-0.012	35	1590	0.5000	0.4086	
60 Trichloroethene	130	8.087	8.087	0.000	95	7784	0.5000	0.4463	
62 Methylcyclohexane	83	8.372	8.372	0.000	87	7777	0.5000	0.3859	
63 1,2-Dichloropropane	63	8.396	8.395	0.001	90	6365	0.5000	0.4493	
66 1,4-Dioxane	88	8.455	8.466	-0.011	54	1828	10.0	8.93	
64 Dibromomethane	93	8.490	8.490	0.000	85	4732	0.5000	0.4716	
67 Dichlorobromomethane	83	8.668	8.668	0.000	98	8527	0.5000	0.4582	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	91	8061	1.00	0.8150	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	94	8403	0.5000	0.3834	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	95	13556	1.00	0.9086	
72 Toluene	91	9.451	9.451	0.000	98	29234	0.5000	0.4605	
73 trans-1,3-Dichloropropene	75	9.653	9.652	0.001	93	8712	0.5000	0.4188	
74 Ethyl methacrylate	69	9.676	9.676	0.000	79	8334	0.5000	0.4204	
75 1,1,2-Trichloroethane	97	9.830	9.830	0.000	93	7001	0.5000	0.4726	
76 Tetrachloroethene	164	9.925	9.925	0.000	95	6002	0.5000	0.4109	
77 1,3-Dichloropropane	76	9.973	9.984	-0.011	93	11108	0.5000	0.4459	
78 2-Hexanone	43	10.008	10.008	0.000	89	8635	1.00	0.8098	
80 Chlorodibromomethane	129	10.174	10.174	0.000	89	7272	0.5000	0.4410	
82 Ethylene Dibromide	107	10.281	10.281	0.000	92	7057	0.5000	0.4576	
84 Chlorobenzene	112	10.684	10.684	0.000	98	20479	0.5000	0.4699	
86 Ethylbenzene	106	10.744	10.743	0.001	98	9205	0.5000	0.4159	
85 1,1,1,2-Tetrachloroethane	131	10.744	10.743	0.001	45	6182	0.5000	0.3971	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	96	11750	0.5000	0.4367	
89 o-Xylene	106	11.147	11.146	0.001	97	10387	0.5000	0.4021	
88 Styrene	104	11.159	11.158	0.001	93	15770	0.5000	0.3729	
90 Bromoform	173	11.313	11.312	0.001	95	5133	0.5000	0.3998	
91 Isopropylbenzene	105	11.408	11.407	0.001	95	23053	0.5000	0.4004	
94 1,1,2,2-Tetrachloroethane	83	11.633	11.621	0.012	94	8208	0.5000	0.4386	
97 trans-1,4-Dichloro-2-butene	53	11.657	11.645	0.013	50	2647	0.5000	0.4569	
95 Bromobenzene	156	11.669	11.656	0.013	91	8498	0.5000	0.4356	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	80	3188	0.5000	0.4661	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	7542	0.5000	0.4170	
99 2-Chlorotoluene	126	11.787	11.787	0.000	97	6581	0.5000	0.4042	
100 1,3,5-Trimethylbenzene	105	11.823	11.822	0.001	92	19966	0.5000	0.4062	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	7735	0.5000	0.4456	
103 tert-Butylbenzene	119	12.048	12.048	0.000	91	19874	0.5000	0.4275	
104 1,2,4-Trimethylbenzene	105	12.084	12.083	0.001	93	20004	0.5000	0.3933	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
105 sec-Butylbenzene	105	12.202	12.202	0.000	94	24998	0.5000	0.4029	
107 4-Isopropyltoluene	119	12.297	12.285	0.012	97	20609	0.5000	0.3806	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	80	16036	0.5000	0.4551	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	95	17126	0.5000	0.4784	
111 n-Butylbenzene	91	12.558	12.558	0.000	97	18692	0.5000	0.3963	
112 1,2-Dichlorobenzene	146	12.594	12.593	0.001	98	15447	0.5000	0.4636	
114 1,2-Dibromo-3-Chloropropane	157	13.080	13.079	0.001	90	1763	0.5000	0.3803	
116 1,2,4-Trichlorobenzene	180	13.602	13.589	0.013	92	10118	0.5000	0.4419	
117 Hexachlorobutadiene	225	13.673	13.672	0.001	92	5807	0.5000	0.4567	
118 Naphthalene	128	13.791	13.779	0.012	96	21048	0.5000	0.4101	
119 1,2,3-Trichlorobenzene	180	13.934	13.933	0.001	92	10940	0.5000	0.4964	
S 128 Trihalomethanes, Total	1				0		2.00	1.80	
S 129 Total BTEX	1				0		2.50	2.17	
S 130 1,2-Dichloroethene, Total	96				0			1.03	
S 131 1,3-Dichloropropene, Total	75				0			0.8022	
S 132 Xylenes, Total	106				0		1.00	0.8388	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

VMRPRIMW_00647	Amount Added:	0.40	Units: uL	
VMRGAS_00588	Amount Added:	0.40	Units: uL	
VMAROLISTDW_00604	Amount Added:	0.40	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:47:04 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-202.D

Injection Date: 18-Jul-2025 15:22:10 Instrument ID: A3UX27 Operator ID:

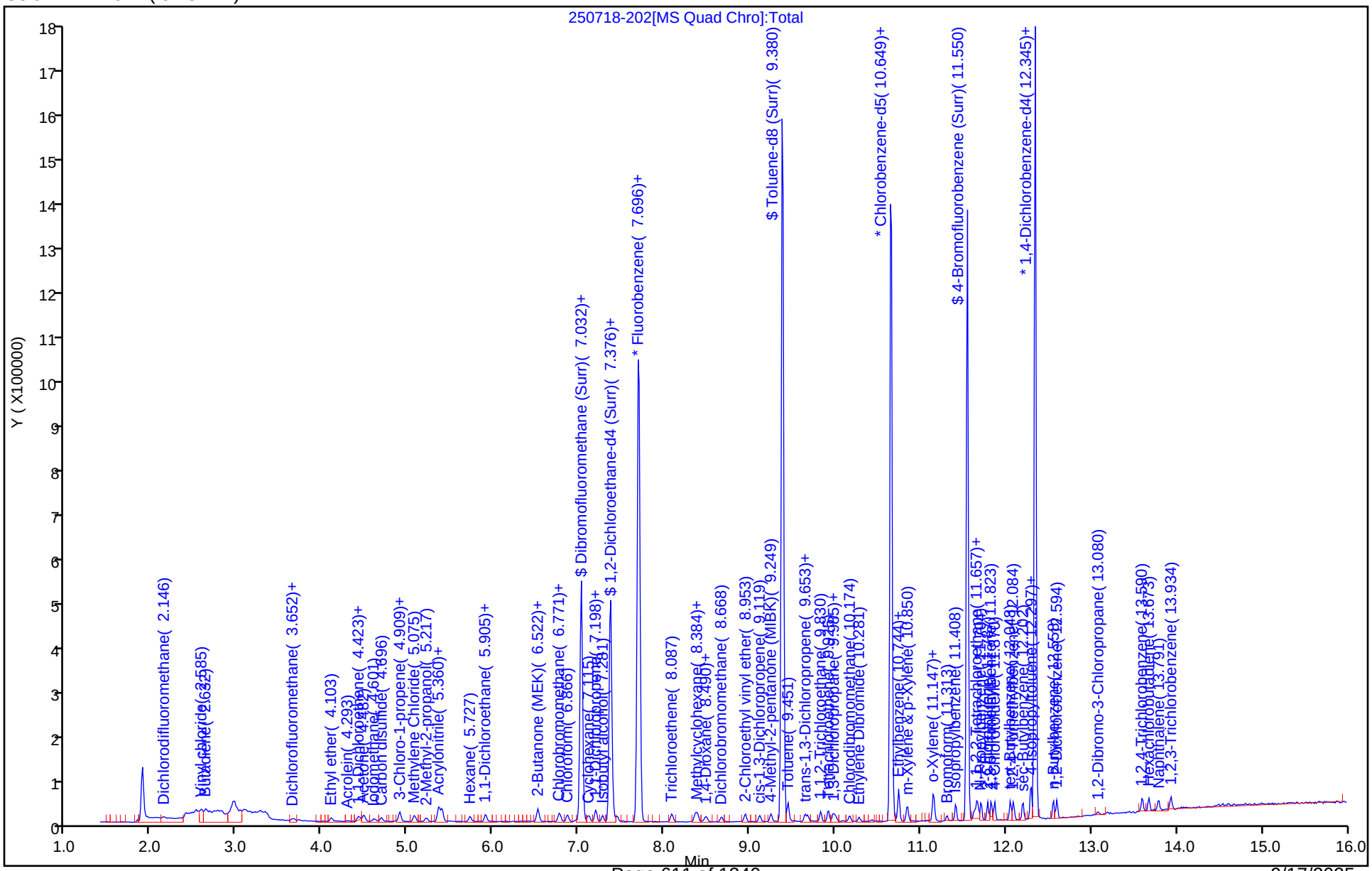
Lims ID: IC Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

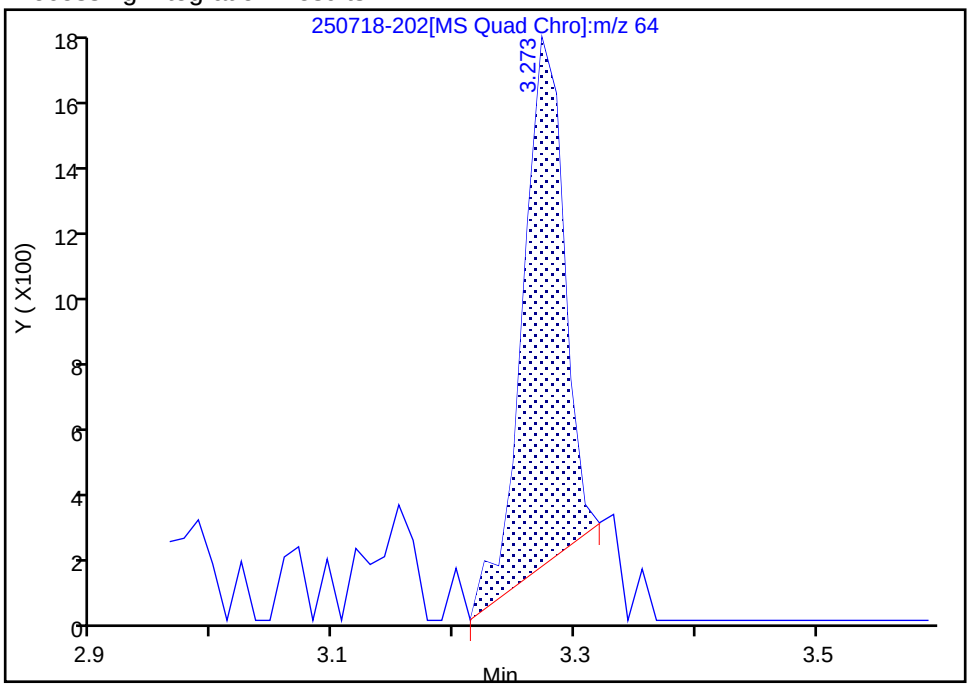
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Injection Date: 18-Jul-2025 15:22:10 Instrument ID: A3UX27
Lims ID: IC
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_27 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

16 Chloroethane, CAS: 75-00-3

Signal: 1

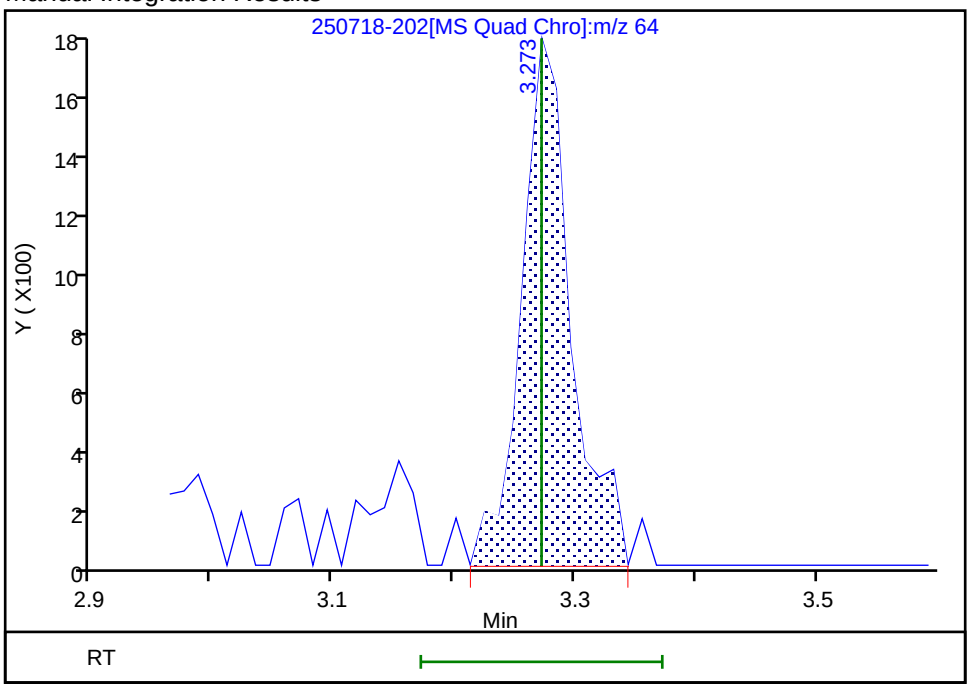
Processing Integration Results

RT: 3.27
Area: 3646
Amount: 0.423548
Amount Units: ug/l



Manual Integration Results

RT: 3.27
Area: 4885
Amount: 0.549892
Amount Units: ug/l



Reviewer: R5XG, 21-Jul-2025 07:36:35 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-203.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Jul-2025 15:45:51 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 240-0157129-005
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:47:08 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.708	7.707	0.001	99	1126954	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.660	10.660	0.000	84	843408	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	93	462018	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.031	0.001	95	311602	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.375	7.375	0.000	97	363621	25.0	25.0	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	1131806	25.0	24.5	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	377974	25.0	23.6	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	98	13662	1.00	1.07	
12 Chloromethane	50	2.407	2.407	0.000	99	14617	1.00	1.13	
14 Vinyl chloride	62	2.585	2.585	0.001	97	12844	1.00	1.01	
13 Butadiene	54	2.632	2.644	-0.012	96	10598	1.00	0.9441	
15 Bromomethane	94	3.035	3.083	-0.048	1	1055	1.00	0.9050	
16 Chloroethane	64	3.272	3.272	0.000	97	8230	1.00	0.9235	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	93	6411	1.00	1.36	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	97	10039	1.00	0.9335	
19 Ethyl ether	59	4.103	4.102	0.000	94	10766	1.00	0.9784	
20 Acrolein	56	4.292	4.292	0.000	84	4369	5.00	4.94	
21 1,1-Dichloroethene	96	4.423	4.423	0.000	96	11865	1.00	1.09	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.446	4.446	0.000	87	6215	1.00	0.7672	
24 Acetone	43	4.482	4.482	0.000	98	26417	2.00	1.88	
25 Iodomethane	142	4.601	4.612	-0.011	100	18558	1.00	0.9750	
26 Carbon disulfide	76	4.695	4.695	0.000	99	28127	1.00	0.9802	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	76	6461	1.00	0.9343	
29 Methyl acetate	43	4.909	4.909	0.000	96	30379	2.00	2.18	
30 Methylene Chloride	84	5.075	5.075	0.000	89	14695	1.00	1.14	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	97	17746	10.0	10.8	
32 Acrylonitrile	53	5.360	5.359	0.001	97	61116	10.0	9.42	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	94	25745	1.00	1.02	
33 trans-1,2-Dichloroethene	96	5.407	5.407	0.000	94	14965	1.00	1.01	
35 Hexane	86	5.727	5.727	0.000	93	3633	1.00	1.13	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	96	24414	1.00	1.00	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	95	20296	1.00	0.9811	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	96	5493	2.00	2.26	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	79	16728	1.00	1.03	
42 2,2-Dichloropropane	97	6.534	6.533	0.001	56	2776	1.00	0.9537	
46 Chlorobromomethane	128	6.771	6.771	0.000	91	8754	1.00	1.01	
49 Tetrahydrofuran	42	6.783	6.782	0.001	85	11927	2.00	2.15	
48 Chloroform	83	6.866	6.865	0.001	92	27615	1.00	1.05	
50 1,1,1-Trichloroethane	97	7.043	7.043	0.000	97	18170	1.00	1.01	
51 Cyclohexane	56	7.115	7.115	0.001	88	16810	1.00	0.9676	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	92	18194	1.00	0.9725	
52 Carbon tetrachloride	117	7.198	7.198	0.000	93	17595	1.00	0.9701	
54 Isobutyl alcohol	41	7.281	7.281	0.000	91	15240	25.0	25.2	
55 Benzene	78	7.399	7.399	0.000	92	58064	1.00	1.02	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	97	21261	1.00	1.02	
58 n-Heptane	100	7.684	7.684	0.000	73	3532	1.00	0.9048	
60 Trichloroethene	130	8.087	8.087	0.000	93	17805	1.00	1.02	
62 Methylcyclohexane	83	8.372	8.372	0.000	90	19922	1.00	0.9854	
63 1,2-Dichloropropane	63	8.395	8.395	0.000	93	14143	1.00	1.00	
66 1,4-Dioxane	88	8.455	8.466	-0.011	93	4101	20.0	20.0	
64 Dibromomethane	93	8.490	8.490	0.000	86	10099	1.00	1.00	
67 Dichlorobromomethane	83	8.668	8.668	0.000	99	18024	1.00	0.9655	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	92	17723	2.00	1.79	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	94	20458	1.00	0.9304	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	28419	2.00	1.90	
72 Toluene	91	9.451	9.451	0.000	99	61154	1.00	1.00	
73 trans-1,3-Dichloropropene	75	9.652	9.652	0.000	93	18795	1.00	0.9380	
74 Ethyl methacrylate	69	9.688	9.676	0.012	89	17153	1.00	0.8984	
75 1,1,2-Trichloroethane	97	9.830	9.830	0.000	90	14700	1.00	1.03	
76 Tetrachloroethene	164	9.925	9.925	0.000	93	14734	1.00	1.05	
77 1,3-Dichloropropane	76	9.984	9.984	0.000	92	24924	1.00	1.04	
78 2-Hexanone	43	10.008	10.008	0.000	96	18861	2.00	1.84	
80 Chlorodibromomethane	129	10.174	10.174	0.000	91	14988	1.00	0.9436	
82 Ethylene Dibromide	107	10.281	10.281	0.000	97	14677	1.00	0.9881	
84 Chlorobenzene	112	10.684	10.684	0.000	97	42434	1.00	1.01	
86 Ethylbenzene	106	10.743	10.743	0.000	98	20841	1.00	0.9777	
85 1,1,1,2-Tetrachloroethane	131	10.743	10.743	0.000	90	15015	1.00	1.00	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	96	24542	1.00	0.9469	
89 o-Xylene	106	11.147	11.146	0.001	94	22481	1.00	0.9036	
88 Styrene	104	11.158	11.158	0.000	94	37968	1.00	0.9321	
90 Bromoform	173	11.313	11.312	0.001	96	11785	1.00	0.9529	
91 Isopropylbenzene	105	11.407	11.407	0.000	95	52582	1.00	0.9480	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	96	20136	1.00	1.11	
97 trans-1,4-Dichloro-2-butene	53	11.656	11.645	0.012	62	5352	1.00	0.9557	
95 Bromobenzene	156	11.656	11.656	0.000	88	19932	1.00	1.06	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	81	6673	1.00	1.01	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	16817	1.00	0.9619	
99 2-Chlorotoluene	126	11.787	11.787	0.000	97	15129	1.00	0.9613	
100 1,3,5-Trimethylbenzene	105	11.822	11.822	0.000	96	43776	1.00	0.9213	
101 4-Chlorotoluene	126	11.870	11.870	0.000	95	16543	1.00	0.9859	
103 tert-Butylbenzene	119	12.048	12.048	0.000	92	42609	1.00	0.9483	
104 1,2,4-Trimethylbenzene	105	12.083	12.083	0.000	96	47611	1.00	0.9683	
105 sec-Butylbenzene	105	12.202	12.202	0.000	93	56735	1.00	0.9460	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	96	47014	1.00	0.8982	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	92	33872	1.00	0.99	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	95	35559	1.00	1.03	
111 n-Butylbenzene	91	12.558	12.558	0.000	97	42351	1.00	0.9288	
112 1,2-Dichlorobenzene	146	12.593	12.593	0.000	98	34534	1.00	1.07	
114 1,2-Dibromo-3-Chloropropane	157	13.079	13.079	0.000	87	4553	1.00	1.02	
116 1,2,4-Trichlorobenzene	180	13.589	13.589	0.000	95	21932	1.00	0.99	
117 Hexachlorobutadiene	225	13.672	13.672	0.000	93	13501	1.00	1.10	
118 Naphthalene	128	13.779	13.779	0.000	96	45091	1.00	0.9089	
119 1,2,3-Trichlorobenzene	180	13.933	13.933	0.000	96	20689	1.00	0.9711	
S 128 Trihalomethanes, Total	1				0		4.00	3.91	
S 129 Total BTEX	1				0		5.00	4.85	
S 130 1,2-Dichloroethene, Total	96				0			2.05	
S 131 1,3-Dichloropropene, Total	75				0			1.87	
S 132 Xylenes, Total	106				0		2.00	1.85	

Reagents:

VMAROLISTDW_00604	Amount Added:	0.80	Units: uL	
VMRGAS_00588	Amount Added:	0.80	Units: uL	
VMRPRIMW_00647	Amount Added:	0.80	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:47:08 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-203.D

Injection Date: 18-Jul-2025 15:45:51 Instrument ID: A3UX27 Operator ID:

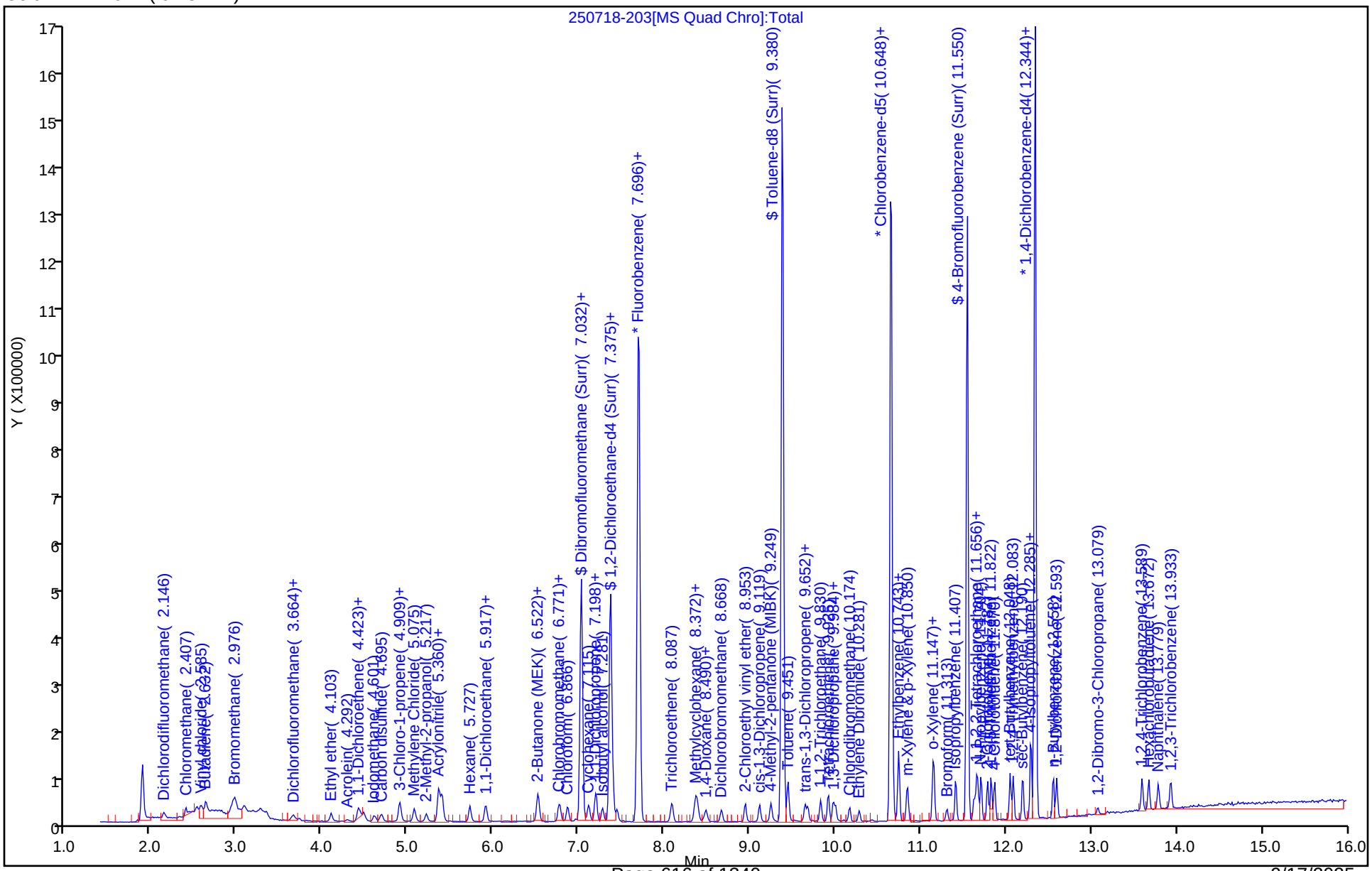
Lims ID: IC Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-204.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Jul-2025 16:09:37 ALS Bottle#: 4 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 240-0157129-006
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:47:16 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.707	-0.011	99	1109190	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.660	10.660	0.000	84	842345	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	93	468304	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.031	0.001	95	327188	25.0	26.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.375	7.375	0.000	97	373676	25.0	26.1	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	1167533	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	86	404417	25.0	25.3	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	98	29734	2.50	2.37	
12 Chloromethane	50	2.407	2.407	0.000	98	31076	2.50	2.43	
14 Vinyl chloride	62	2.585	2.585	0.001	97	34589	2.50	2.78	
13 Butadiene	54	2.632	2.644	-0.012	97	27106	2.50	2.45	
15 Bromomethane	94	3.094	3.083	0.011	91	25898	2.50	3.16	
16 Chloroethane	64	3.272	3.272	0.000	99	21031	2.50	2.40	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	96	18370	2.50	2.75	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	96	24283	2.50	2.29	
19 Ethyl ether	59	4.102	4.102	0.000	91	28382	2.50	2.62	
20 Acrolein	56	4.292	4.292	0.000	98	11395	12.5	13.1	
21 1,1-Dichloroethene	96	4.423	4.423	0.000	97	28132	2.50	2.63	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.446	4.446	0.000	90	18932	2.50	2.37	
24 Acetone	43	4.494	4.482	0.012	98	45605	5.00	5.63	
25 Iodomethane	142	4.612	4.612	0.000	98	47920	2.50	2.56	
26 Carbon disulfide	76	4.695	4.695	0.000	100	74111	2.50	2.62	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	77	17527	2.50	2.58	
29 Methyl acetate	43	4.909	4.909	0.000	96	75549	5.00	5.50	
30 Methylene Chloride	84	5.075	5.075	0.000	90	33162	2.50	2.61	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	97	42242	25.0	26.2	
32 Acrylonitrile	53	5.359	5.359	0.000	100	171152	25.0	26.8	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	94	66761	2.50	2.70	
33 trans-1,2-Dichloroethene	96	5.395	5.407	-0.012	92	38275	2.50	2.63	
35 Hexane	86	5.727	5.727	0.000	94	6613	2.50	2.09	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	97	65070	2.50	2.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	96	54416	2.50	2.67	
43 2-Butanone (MEK)	72	6.522	6.510	0.012	99	13338	5.00	5.58	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	80	41307	2.50	2.59	
42 2,2-Dichloropropane	97	6.533	6.533	0.000	86	7476	2.50	2.61	
46 Chlorobromomethane	128	6.771	6.771	0.000	89	23265	2.50	2.73	
49 Tetrahydrofuran	42	6.783	6.782	0.001	88	29188	5.00	5.34	
48 Chloroform	83	6.866	6.865	0.001	93	68659	2.50	2.65	
50 1,1,1-Trichloroethane	97	7.043	7.043	0.000	96	44797	2.50	2.53	
51 Cyclohexane	56	7.115	7.115	0.001	89	37980	2.50	2.22	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	46546	2.50	2.53	
52 Carbon tetrachloride	117	7.198	7.198	0.000	93	45920	2.50	2.57	
54 Isobutyl alcohol	41	7.281	7.281	0.000	94	36722	62.5	60.8	
55 Benzene	78	7.399	7.399	0.000	96	151257	2.50	2.70	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	98	55167	2.50	2.69	
58 n-Heptane	100	7.684	7.684	0.000	88	8164	2.50	2.12	
60 Trichloroethene	130	8.087	8.087	0.000	94	44664	2.50	2.59	
62 Methylcyclohexane	83	8.372	8.372	0.000	91	43702	2.50	2.20	
63 1,2-Dichloropropane	63	8.395	8.395	0.000	93	36671	2.50	2.62	
66 1,4-Dioxane	88	8.455	8.466	-0.011	94	10152	50.0	50.3	
64 Dibromomethane	93	8.490	8.490	0.000	90	26410	2.50	2.67	
67 Dichlorobromomethane	83	8.668	8.668	0.000	98	47378	2.50	2.58	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	92	44931	5.00	4.60	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	95	54806	2.50	2.53	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	71454	5.00	4.85	
72 Toluene	91	9.451	9.451	0.000	98	157935	2.50	2.59	
73 trans-1,3-Dichloropropene	75	9.652	9.652	0.000	93	50188	2.50	2.51	
74 Ethyl methacrylate	69	9.676	9.676	0.000	89	44137	2.50	2.31	
75 1,1,2-Trichloroethane	97	9.830	9.830	0.000	90	37774	2.50	2.65	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	35051	2.50	2.49	
77 1,3-Dichloropropane	76	9.984	9.984	0.000	93	61157	2.50	2.55	
78 2-Hexanone	43	10.008	10.008	0.000	97	50177	5.00	4.89	
80 Chlorodibromomethane	129	10.174	10.174	0.000	92	38547	2.50	2.43	
82 Ethylene Dibromide	107	10.281	10.281	0.000	98	37820	2.50	2.55	
84 Chlorobenzene	112	10.684	10.684	0.000	96	111389	2.50	2.66	
86 Ethylbenzene	106	10.743	10.743	0.000	98	54450	2.50	2.56	
85 1,1,1,2-Tetrachloroethane	131	10.743	10.743	0.000	47	40192	2.50	2.68	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	63494	2.50	2.45	
89 o-Xylene	106	11.147	11.146	0.000	95	64749	2.50	2.61	
88 Styrene	104	11.158	11.158	0.000	95	98694	2.50	2.43	
90 Bromoform	173	11.313	11.312	0.001	98	31079	2.50	2.52	
91 Isopropylbenzene	105	11.407	11.407	0.000	96	133569	2.50	2.41	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	95	50494	2.50	2.75	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.001	80	15298	2.50	2.70	
95 Bromobenzene	156	11.656	11.656	0.000	91	50185	2.50	2.63	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	81	18672	2.50	2.79	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	42509	2.50	2.40	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	41021	2.50	2.57	
100 1,3,5-Trimethylbenzene	105	11.822	11.822	0.000	95	119805	2.50	2.49	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	42100	2.50	2.48	
103 tert-Butylbenzene	119	12.048	12.048	0.000	91	111405	2.50	2.45	
104 1,2,4-Trimethylbenzene	105	12.083	12.083	0.000	95	121827	2.50	2.44	
105 sec-Butylbenzene	105	12.202	12.202	0.000	93	150623	2.50	2.48	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	96	128446	2.50	2.42	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	82	92693	2.50	2.68	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	95	90076	2.50	2.57	
111 n-Butylbenzene	91	12.558	12.558	0.000	97	111499	2.50	2.41	
112 1,2-Dichlorobenzene	146	12.593	12.593	0.000	98	86173	2.50	2.64	
114 1,2-Dibromo-3-Chloropropane	157	13.079	13.079	0.000	87	11147	2.50	2.45	
116 1,2,4-Trichlorobenzene	180	13.589	13.589	0.000	94	55702	2.50	2.48	
117 Hexachlorobutadiene	225	13.672	13.672	0.000	95	30072	2.50	2.41	
118 Naphthalene	128	13.779	13.779	0.000	97	117707	2.50	2.34	
119 1,2,3-Trichlorobenzene	180	13.933	13.933	0.000	95	54304	2.50	2.51	
S 128 Trihalomethanes, Total	1				0		10.0	10.2	
S 129 Total BTEX	1				0		12.5	12.9	
S 130 1,2-Dichloroethene, Total	96				0			5.22	
S 131 1,3-Dichloropropene, Total	75				0			5.04	
S 132 Xylenes, Total	106				0		5.00	5.06	

Reagents:

VMRPRIMW_00647	Amount Added:	2.00	Units: uL	
VMRGAS_00588	Amount Added:	2.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	2.00	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:47:17 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-204.D

Injection Date: 18-Jul-2025 16:09:37 Instrument ID: A3UX27 Operator ID:

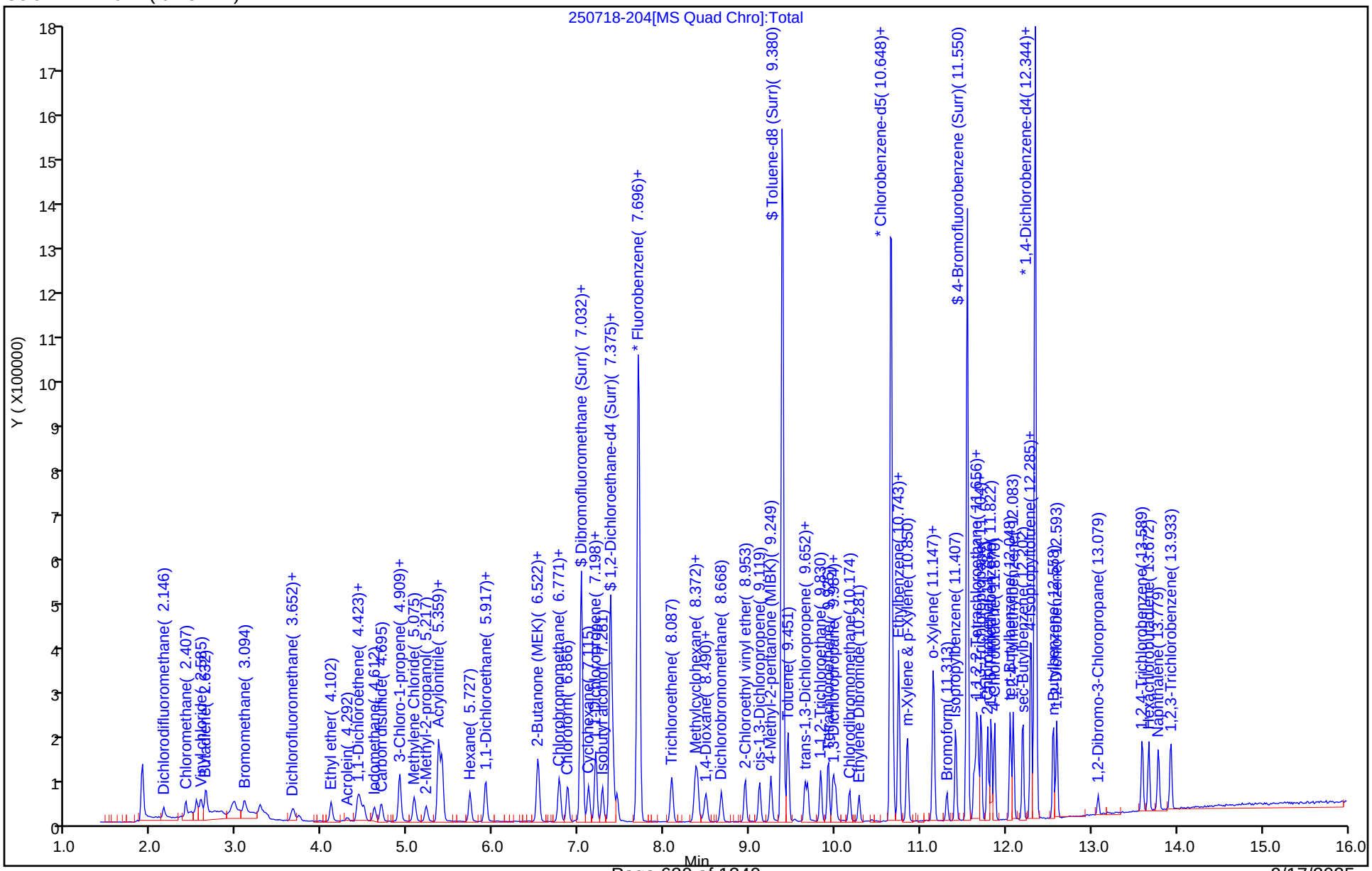
Lims ID: IC Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-205.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Jul-2025 16:33:19 ALS Bottle#: 5 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 240-0157129-007
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:47:25 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.696	0.000	99	1144303	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.661	10.661	0.000	84	876199	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	93	488228	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	95	308996	25.0	24.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.376	0.000	98	352190	25.0	23.9	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	1134209	25.0	23.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	396557	25.0	23.8	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	99	73686	6.25	5.70	
12 Chloromethane	50	2.407	2.407	0.000	99	80079	6.25	6.07	
14 Vinyl chloride	62	2.585	2.585	0.000	97	79084	6.25	6.15	
13 Butadiene	54	2.644	2.644	0.000	97	69623	6.25	6.11	
15 Bromomethane	94	3.083	3.083	0.000	92	63548	6.25	6.46	
16 Chloroethane	64	3.273	3.273	0.000	99	56026	6.25	6.19	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	49559	6.25	6.09	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	97	59708	6.25	5.47	
19 Ethyl ether	59	4.103	4.103	0.000	90	71368	6.25	6.39	
20 Acrolein	56	4.292	4.292	0.000	97	24692	31.3	27.5	
21 1,1-Dichloroethene	96	4.423	4.423	0.000	97	68640	6.25	6.22	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.447	4.447	0.000	91	51595	6.25	6.27	
24 Acetone	43	4.482	4.482	0.000	99	82664	12.5	12.2	
25 Iodomethane	142	4.613	4.613	0.000	98	122742	6.25	6.35	
26 Carbon disulfide	76	4.696	4.696	0.000	99	181235	6.25	6.22	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	80	43956	6.25	6.26	
29 Methyl acetate	43	4.909	4.909	0.000	95	169605	12.5	12.0	
30 Methylene Chloride	84	5.075	5.075	0.000	89	78529	6.25	6.00	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	96	106777	62.5	64.2	
32 Acrylonitrile	53	5.360	5.360	0.000	99	418242	62.5	63.5	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	96	162350	6.25	6.36	
33 trans-1,2-Dichloroethene	96	5.407	5.407	0.000	94	96626	6.25	6.43	
35 Hexane	86	5.727	5.727	0.000	91	18308	6.25	5.62	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	96	154447	6.25	6.23	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	134495	6.25	6.40	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	100	29379	12.5	11.9	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	81	102223	6.25	6.22	
42 2,2-Dichloropropane	97	6.534	6.534	0.000	88	18216	6.25	6.16	
46 Chlorobromomethane	128	6.771	6.771	0.000	90	55624	6.25	6.33	
49 Tetrahydrofuran	42	6.783	6.783	0.000	86	66603	12.5	11.8	
48 Chloroform	83	6.866	6.866	0.000	94	166875	6.25	6.25	
50 1,1,1-Trichloroethane	97	7.044	7.044	0.000	99	115204	6.25	6.31	
51 Cyclohexane	56	7.115	7.115	0.000	89	101626	6.25	5.76	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	119535	6.25	6.29	
52 Carbon tetrachloride	117	7.198	7.198	0.000	91	114478	6.25	6.22	
54 Isobutyl alcohol	41	7.281	7.281	0.000	92	102254	156.3	162.8	
55 Benzene	78	7.399	7.399	0.000	95	367436	6.25	6.35	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	98	136754	6.25	6.46	
58 n-Heptane	100	7.684	7.684	0.000	90	21803	6.25	5.50	
60 Trichloroethene	130	8.087	8.087	0.000	95	112672	6.25	6.34	
62 Methylcyclohexane	83	8.372	8.372	0.000	91	116102	6.25	5.66	
63 1,2-Dichloropropane	63	8.396	8.396	0.000	93	89623	6.25	6.21	
66 1,4-Dioxane	88	8.455	8.455	0.000	91	26704	125.0	128.1	
64 Dibromomethane	93	8.490	8.490	0.000	91	66259	6.25	6.48	
67 Dichlorobromomethane	83	8.668	8.668	0.000	99	118935	6.25	6.27	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	94	122995	12.5	12.2	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	95	139208	6.25	6.24	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	182467	12.5	12.0	
72 Toluene	91	9.451	9.451	0.000	98	399516	6.25	6.29	
73 trans-1,3-Dichloropropene	75	9.653	9.653	0.000	93	125106	6.25	6.01	
74 Ethyl methacrylate	69	9.676	9.676	0.000	90	113959	6.25	5.75	
75 1,1,2-Trichloroethane	97	9.830	9.830	0.000	91	93143	6.25	6.28	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	92184	6.25	6.31	
77 1,3-Dichloropropane	76	9.985	9.985	0.000	93	156233	6.25	6.27	
78 2-Hexanone	43	10.008	10.008	0.000	96	129309	12.5	12.1	
80 Chlorodibromomethane	129	10.174	10.174	0.000	89	102268	6.25	6.20	
82 Ethylene Dibromide	107	10.281	10.281	0.000	99	97479	6.25	6.32	
84 Chlorobenzene	112	10.684	10.684	0.000	97	270462	6.25	6.20	
86 Ethylbenzene	106	10.744	10.744	0.000	98	135129	6.25	6.10	
85 1,1,1,2-Tetrachloroethane	131	10.744	10.744	0.000	46	97091	6.25	6.23	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	162071	6.25	6.02	
89 o-Xylene	106	11.147	11.147	0.000	96	160242	6.25	6.20	
88 Styrene	104	11.159	11.159	0.000	93	256176	6.25	6.05	
90 Bromoform	173	11.313	11.313	0.000	98	79180	6.25	6.16	
91 Isopropylbenzene	105	11.408	11.408	0.000	96	354991	6.25	6.16	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	96	117803	6.25	6.16	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.000	68	36134	6.25	6.11	
95 Bromobenzene	156	11.657	11.657	0.000	91	126501	6.25	6.35	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	80	44470	6.25	6.37	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	114158	6.25	6.18	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	105187	6.25	6.32	
100 1,3,5-Trimethylbenzene	105	11.823	11.823	0.000	96	309876	6.25	6.17	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	112189	6.25	6.33	
103 tert-Butylbenzene	119	12.048	12.048	0.000	91	309121	6.25	6.51	
104 1,2,4-Trimethylbenzene	105	12.084	12.084	0.000	94	321519	6.25	6.19	
105 sec-Butylbenzene	105	12.202	12.202	0.000	94	397678	6.25	6.27	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	350048	6.25	6.33	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	78	231554	6.25	6.43	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	96	231612	6.25	6.33	
111 n-Butylbenzene	91	12.558	12.558	0.000	97	296638	6.25	6.16	
112 1,2-Dichlorobenzene	146	12.593	12.593	0.000	98	210550	6.25	6.19	
114 1,2-Dibromo-3-Chloropropane	157	13.080	13.080	0.000	90	29502	6.25	6.23	
116 1,2,4-Trichlorobenzene	180	13.590	13.590	0.000	93	147797	6.25	6.32	
117 Hexachlorobutadiene	225	13.673	13.673	0.000	94	83729	6.25	6.45	
118 Naphthalene	128	13.779	13.779	0.000	97	319848	6.25	6.10	
119 1,2,3-Trichlorobenzene	180	13.933	13.933	0.000	95	138262	6.25	6.14	
S 128 Trihalomethanes, Total	1				0		25.0	24.9	
S 129 Total BTEX	1				0		31.3	31.0	
S 132 Xylenes, Total	106				0		12.5	12.2	

Reagents:

VMAROLISTDW_00604	Amount Added:	5.00	Units: uL	
VMRGAS_00588	Amount Added:	5.00	Units: uL	
VMRPRIMW_00647	Amount Added:	5.00	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:47:25 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-205.D

Injection Date: 18-Jul-2025 16:33:19 Instrument ID: A3UX27 Operator ID:

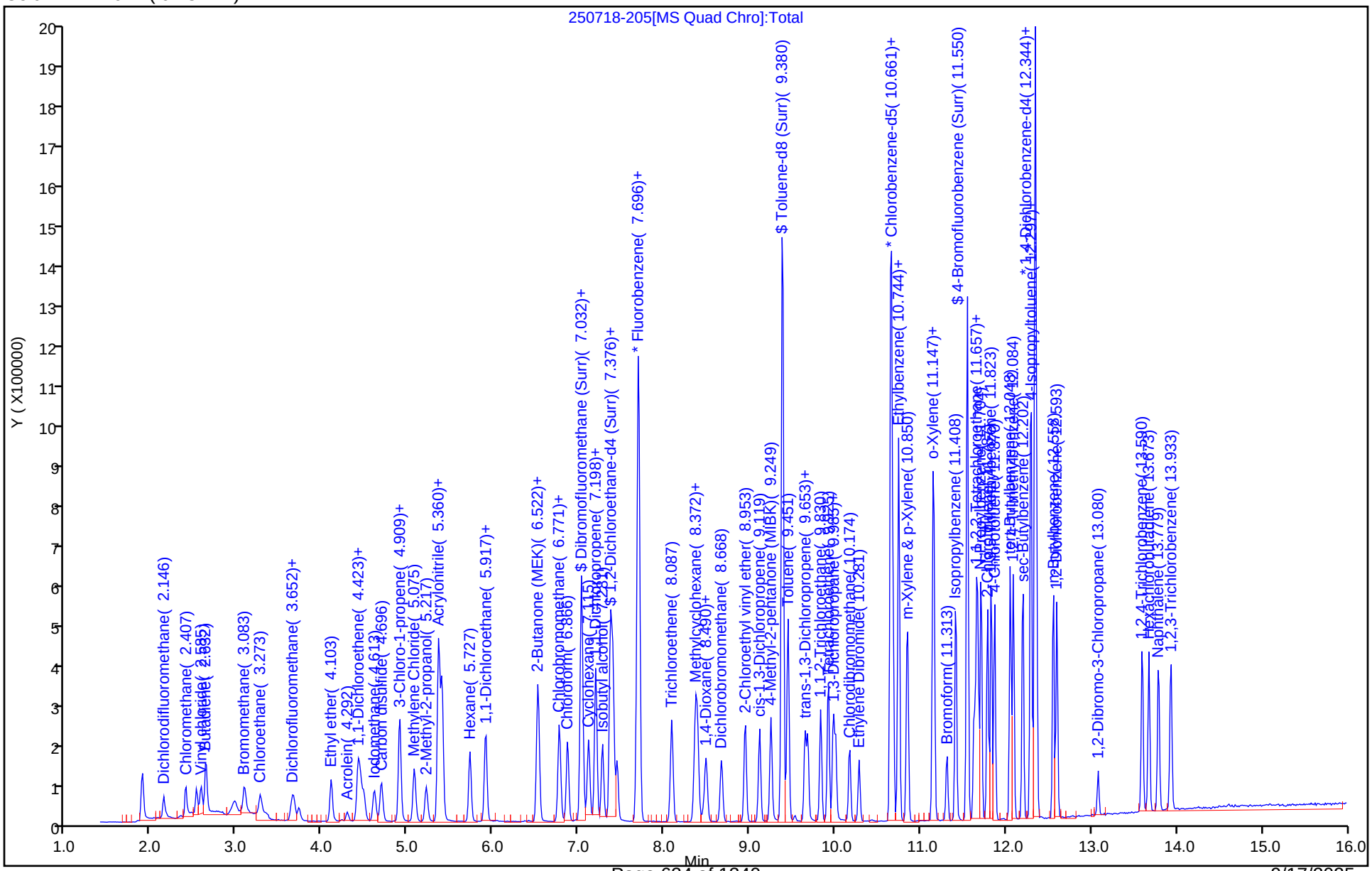
Lims ID: IC Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-206.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Jul-2025 16:57:01 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 240-0157129-008
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:47:34 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.696	0.000	99	1157669	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.661	10.661	0.001	87	861053	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.345	12.344	0.001	92	510929	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	94	329591	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.376	0.000	98	374699	25.0	25.1	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	1222048	25.0	25.9	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	423521	25.0	25.9	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	99	163769	12.5	12.5	
12 Chloromethane	50	2.407	2.407	0.000	99	154362	12.5	11.6	
14 Vinyl chloride	62	2.585	2.585	0.000	98	162355	12.5	12.5	
13 Butadiene	54	2.644	2.644	0.000	98	146243	12.5	12.7	
15 Bromomethane	94	3.083	3.083	0.000	91	125085	12.5	12.0	
16 Chloroethane	64	3.273	3.273	0.000	99	115060	12.5	12.6	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	103907	12.5	11.7	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	98	132529	12.5	12.0	
19 Ethyl ether	59	4.103	4.103	0.000	91	136017	12.5	12.0	
20 Acrolein	56	4.293	4.292	0.001	99	57949	62.5	63.8	
21 1,1-Dichloroethene	96	4.423	4.423	0.000	98	137225	12.5	12.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.459	4.447	0.012	90	107934	12.5	13.0	
24 Acetone	43	4.482	4.482	0.000	100	143170	25.0	23.1	
25 Iodomethane	142	4.613	4.613	0.000	99	240399	12.5	12.3	
26 Carbon disulfide	76	4.696	4.696	0.000	99	365800	12.5	12.4	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	80	87015	12.5	12.2	
29 Methyl acetate	43	4.909	4.909	0.000	96	332419	25.0	23.2	
30 Methylene Chloride	84	5.075	5.075	0.000	89	154746	12.5	11.7	
31 2-Methyl-2-propanol	59	5.218	5.217	0.001	96	199788	125.0	118.7	
32 Acrylonitrile	53	5.360	5.360	0.000	98	817394	125.0	122.7	
34 Methyl tert-butyl ether	73	5.396	5.395	0.001	95	317738	12.5	12.3	
33 trans-1,2-Dichloroethene	96	5.396	5.407	-0.011	92	182024	12.5	12.0	
35 Hexane	86	5.728	5.727	0.001	92	39473	12.5	12.0	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	97	306741	12.5	12.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	243582	12.5	11.5	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	99	57609	25.0	23.1	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	80	200523	12.5	12.1	
42 2,2-Dichloropropane	97	6.534	6.534	0.000	87	35910	12.5	12.0	
46 Chlorobromomethane	128	6.771	6.771	0.000	90	109607	12.5	12.3	
49 Tetrahydrofuran	42	6.783	6.783	0.000	86	127251	25.0	22.3	
48 Chloroform	83	6.866	6.866	0.000	93	332439	12.5	12.3	
50 1,1,1-Trichloroethane	97	7.044	7.044	0.000	98	230716	12.5	12.5	
51 Cyclohexane	56	7.115	7.115	0.000	89	223477	12.5	12.5	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	243107	12.5	12.6	
52 Carbon tetrachloride	117	7.198	7.198	0.000	92	238373	12.5	12.8	
54 Isobutyl alcohol	41	7.281	7.281	0.000	92	203334	312.5	329.4	
55 Benzene	78	7.400	7.399	0.001	96	722755	12.5	12.4	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	98	260892	12.5	12.2	
58 n-Heptane	100	7.684	7.684	0.000	87	48521	12.5	12.1	
60 Trichloroethene	130	8.087	8.087	0.000	96	222114	12.5	12.4	
62 Methylcyclohexane	83	8.372	8.372	0.000	90	254444	12.5	12.3	
63 1,2-Dichloropropane	63	8.384	8.396	-0.012	94	179038	12.5	12.3	
66 1,4-Dioxane	88	8.467	8.455	0.012	89	52137	250.0	247.3	
64 Dibromomethane	93	8.491	8.490	0.001	90	127514	12.5	12.3	
67 Dichlorobromomethane	83	8.669	8.668	0.000	99	238961	12.5	12.5	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	93	247119	25.0	24.2	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	96	278228	12.5	12.3	
71 4-Methyl-2-pentanone (MIBK)	43	9.250	9.249	0.001	97	375800	25.0	24.4	
72 Toluene	91	9.451	9.451	0.000	98	800016	12.5	12.8	
73 trans-1,3-Dichloropropene	75	9.653	9.653	0.000	89	252488	12.5	12.3	
74 Ethyl methacrylate	69	9.676	9.676	0.000	89	237709	12.5	12.2	
75 1,1,2-Trichloroethane	97	9.831	9.830	0.001	92	181765	12.5	12.5	
76 Tetrachloroethene	164	9.926	9.925	0.001	97	184486	12.5	12.8	
77 1,3-Dichloropropane	76	9.985	9.985	0.000	88	307460	12.5	12.5	
78 2-Hexanone	43	10.009	10.008	0.001	96	268315	25.0	25.6	
80 Chlorodibromomethane	129	10.175	10.174	0.001	90	203071	12.5	12.5	
82 Ethylene Dibromide	107	10.281	10.281	0.000	99	187319	12.5	12.4	
84 Chlorobenzene	112	10.684	10.684	0.000	99	542198	12.5	12.7	
86 Ethylbenzene	106	10.744	10.744	0.000	98	275006	12.5	12.6	
85 1,1,1,2-Tetrachloroethane	131	10.744	10.744	0.000	94	194178	12.5	12.7	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	337054	12.5	12.7	
89 o-Xylene	106	11.147	11.147	0.000	96	321294	12.5	12.6	
88 Styrene	104	11.159	11.159	0.000	94	531865	12.5	12.8	
90 Bromoform	173	11.313	11.313	0.000	98	159469	12.5	12.6	
91 Isopropylbenzene	105	11.408	11.408	0.000	96	742268	12.5	13.1	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	95	237745	12.5	11.9	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.000	72	74365	12.5	12.0	
95 Bromobenzene	156	11.657	11.657	0.000	92	253529	12.5	12.2	
96 1,2,3-Trichloropropane	110	11.681	11.680	0.001	78	85487	12.5	11.7	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	238611	12.5	12.3	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	218276	12.5	12.5	
100 1,3,5-Trimethylbenzene	105	11.823	11.823	0.000	95	660742	12.5	12.6	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	226567	12.5	12.2	
103 tert-Butylbenzene	119	12.048	12.048	0.000	91	606610	12.5	12.2	
104 1,2,4-Trimethylbenzene	105	12.084	12.084	0.000	95	678538	12.5	12.5	
105 sec-Butylbenzene	105	12.202	12.202	0.000	94	828962	12.5	12.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	733692	12.5	12.7	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	76	459820	12.5	12.2	
108 1,4-Dichlorobenzene	146	12.357	12.356	0.001	96	473635	12.5	12.4	
111 n-Butylbenzene	91	12.558	12.558	0.000	97	624166	12.5	12.4	
112 1,2-Dichlorobenzene	146	12.594	12.593	0.001	99	430812	12.5	12.1	
114 1,2-Dibromo-3-Chloropropane	157	13.080	13.080	0.000	91	61666	12.5	12.4	
116 1,2,4-Trichlorobenzene	180	13.602	13.590	0.012	94	302723	12.5	12.4	
117 Hexachlorobutadiene	225	13.673	13.673	0.000	95	166316	12.5	12.2	
118 Naphthalene	128	13.780	13.779	0.001	97	665897	12.5	12.1	
119 1,2,3-Trichlorobenzene	180	13.934	13.933	0.001	95	280135	12.5	11.9	
S 128 Trihalomethanes, Total	1				0		50.0	49.9	
S 129 Total BTEX	1				0		62.5	63.2	
S 130 1,2-Dichloroethene, Total	96				0			24.0	
S 131 1,3-Dichloropropene, Total	75				0			24.7	
S 132 Xylenes, Total	106				0		25.0	25.4	

Reagents:

VMRPRIMW_00647	Amount Added:	10.00	Units: uL	
VMRGAS_00588	Amount Added:	10.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	10.00	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:47:34 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-206.D

Injection Date: 18-Jul-2025 16:57:01 Instrument ID: A3UX27 Operator ID:

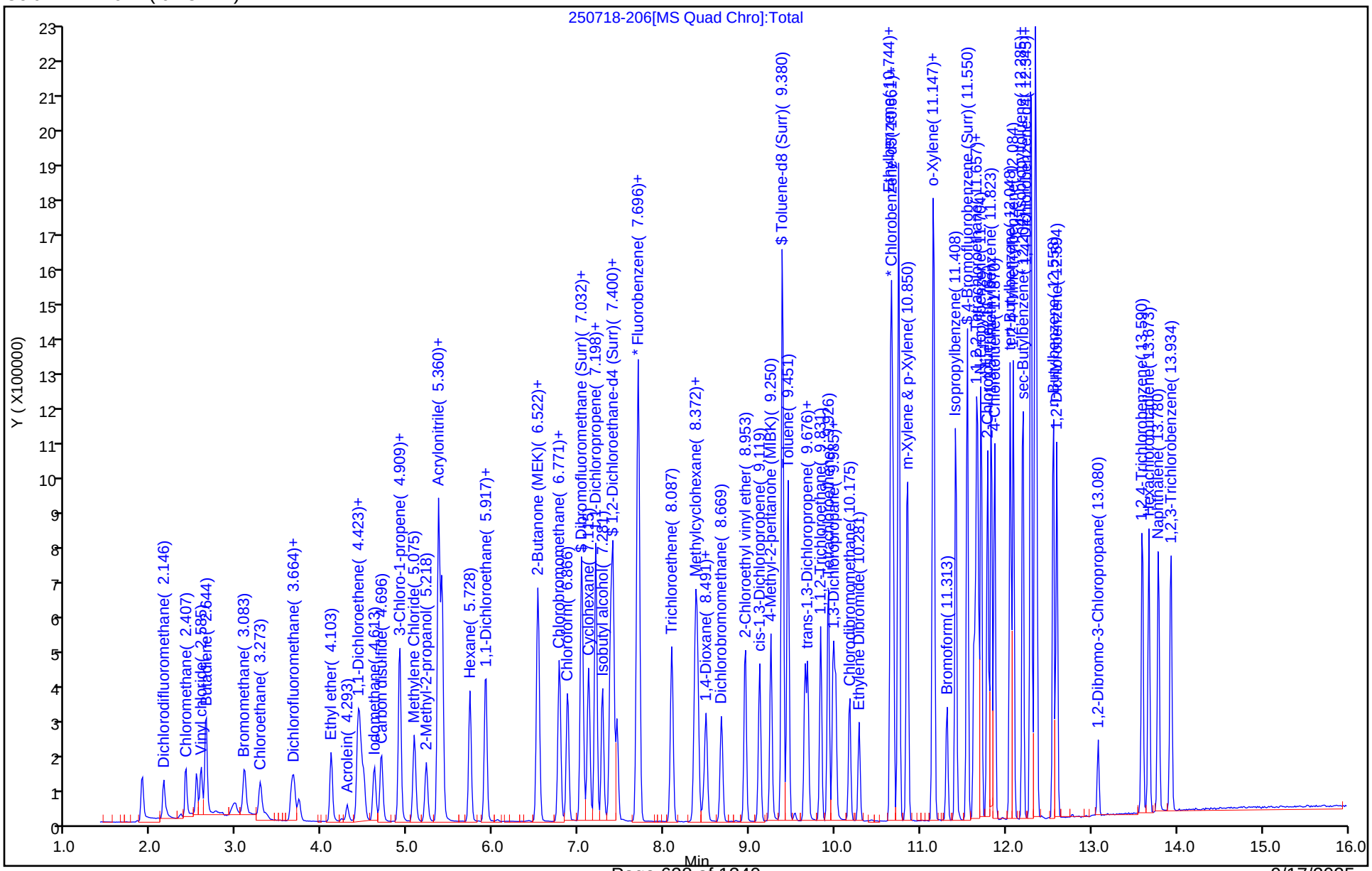
Lims ID: IC Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-207.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 18-Jul-2025 17:20:42 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 240-0157129-009
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:47:42 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.707	7.707	0.000	98	1135393	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.660	10.660	0.000	83	860110	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	92	502961	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.031	7.031	0.000	95	318109	25.0	24.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.375	7.375	0.000	97	370387	25.0	25.3	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	1206749	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	417021	25.0	25.5	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	99	333602	25.0	26.0	
12 Chloromethane	50	2.407	2.407	0.000	99	321271	25.0	24.6	
14 Vinyl chloride	62	2.585	2.585	0.000	98	319998	25.0	25.1	
13 Butadiene	54	2.644	2.644	0.000	98	304791	25.0	26.9	
15 Bromomethane	94	3.083	3.083	0.000	90	250316	25.0	24.4	
16 Chloroethane	64	3.272	3.272	0.000	99	233009	25.0	26.0	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	240894	25.0	25.3	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	98	290770	25.0	26.8	
19 Ethyl ether	59	4.102	4.102	0.000	90	279356	25.0	25.2	
20 Acrolein	56	4.292	4.292	0.000	99	120671	125.0	135.4	
21 1,1-Dichloroethene	96	4.423	4.423	0.000	98	281381	25.0	25.7	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.446	4.446	0.000	91	209062	25.0	25.6	
24 Acetone	43	4.482	4.482	0.000	100	293920	50.0	51.8	
25 Iodomethane	142	4.612	4.612	0.000	98	504533	25.0	26.3	
26 Carbon disulfide	76	4.695	4.695	0.000	99	742378	25.0	25.7	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	81	183628	25.0	26.4	
29 Methyl acetate	43	4.909	4.909	0.000	95	682996	50.0	48.5	
30 Methylene Chloride	84	5.075	5.075	0.000	91	306482	25.0	23.6	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	97	413475	250.0	250.4	
32 Acrylonitrile	53	5.359	5.359	0.000	99	1694689	250.0	259.3	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	95	663297	25.0	26.2	
33 trans-1,2-Dichloroethene	96	5.407	5.407	0.000	90	371825	25.0	24.9	
35 Hexane	86	5.727	5.727	0.000	92	81196	25.0	25.1	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	97	628751	25.0	25.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	520363	25.0	25.0	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	100	118444	50.0	48.4	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	80	411438	25.0	25.2	
42 2,2-Dichloropropane	97	6.533	6.533	0.000	88	75085	25.0	25.6	
46 Chlorobromomethane	128	6.771	6.771	0.000	88	225216	25.0	25.8	
49 Tetrahydrofuran	42	6.782	6.782	0.000	85	267208	50.0	47.8	
48 Chloroform	83	6.865	6.865	0.000	93	664755	25.0	25.1	
50 1,1,1-Trichloroethane	97	7.043	7.043	0.000	98	468968	25.0	25.9	
51 Cyclohexane	56	7.115	7.115	0.000	89	439963	25.0	25.1	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	497728	25.0	26.4	
52 Carbon tetrachloride	117	7.198	7.198	0.000	90	478511	25.0	26.2	
54 Isobutyl alcohol	41	7.281	7.281	0.000	93	411721	625.0	667.7	
55 Benzene	78	7.399	7.399	0.000	97	1480745	25.0	25.8	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	98	536195	25.0	25.5	
58 n-Heptane	100	7.684	7.684	0.000	91	103011	25.0	26.2	
60 Trichloroethene	130	8.087	8.087	0.000	96	461262	25.0	26.2	
62 Methylcyclohexane	83	8.372	8.372	0.000	89	516602	25.0	25.4	
63 1,2-Dichloropropane	63	8.395	8.395	0.000	95	372153	25.0	26.0	
66 1,4-Dioxane	88	8.466	8.466	0.000	91	108452	500.0	524.5	
64 Dibromomethane	93	8.490	8.490	0.000	91	260222	25.0	25.7	
67 Dichlorobromomethane	83	8.668	8.668	0.000	99	488126	25.0	26.0	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	93	542509	50.0	54.3	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	96	593950	25.0	26.8	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	797536	50.0	52.9	
72 Toluene	91	9.451	9.451	0.000	98	1638224	25.0	26.3	
73 trans-1,3-Dichloropropene	75	9.652	9.652	0.000	96	545166	25.0	26.7	
74 Ethyl methacrylate	69	9.676	9.676	0.000	87	528267	25.0	27.1	
75 1,1,2-Trichloroethane	97	9.830	9.830	0.000	90	374203	25.0	25.7	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	382630	25.0	26.7	
77 1,3-Dichloropropane	76	9.984	9.984	0.000	89	639871	25.0	26.1	
78 2-Hexanone	43	10.008	10.008	0.000	95	570760	50.0	54.5	
80 Chlorodibromomethane	129	10.174	10.174	0.000	90	429069	25.0	26.5	
82 Ethylene Dibromide	107	10.281	10.281	0.000	98	399567	25.0	26.4	
84 Chlorobenzene	112	10.684	10.684	0.000	96	1107574	25.0	25.9	
86 Ethylbenzene	106	10.743	10.743	0.000	98	584690	25.0	26.9	
85 1,1,1,2-Tetrachloroethane	131	10.743	10.743	0.000	46	399023	25.0	26.1	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	713408	25.0	27.0	
89 o-Xylene	106	11.146	11.146	0.000	97	687396	25.0	27.1	
88 Styrene	104	11.158	11.158	0.000	94	1158926	25.0	27.9	
90 Bromoform	173	11.312	11.312	0.000	98	337149	25.0	26.7	
91 Isopropylbenzene	105	11.407	11.407	0.000	96	1554870	25.0	27.5	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	95	493501	25.0	25.1	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.000	68	157816	25.0	25.9	
95 Bromobenzene	156	11.656	11.656	0.000	93	523451	25.0	25.5	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	79	182956	25.0	25.4	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	501708	25.0	26.4	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	452503	25.0	26.4	
100 1,3,5-Trimethylbenzene	105	11.822	11.822	0.000	95	1407204	25.0	27.2	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	480920	25.0	26.3	
103 tert-Butylbenzene	119	12.048	12.048	0.000	91	1282951	25.0	26.2	
104 1,2,4-Trimethylbenzene	105	12.083	12.083	0.000	95	1461684	25.0	27.3	
105 sec-Butylbenzene	105	12.202	12.202	0.000	94	1746255	25.0	26.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	1576850	25.0	27.7	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	94	959285	25.0	25.9	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	96	986131	25.0	26.2	
111 n-Butylbenzene	91	12.558	12.558	0.000	97	1344000	25.0	27.1	
112 1,2-Dichlorobenzene	146	12.593	12.593	0.000	99	919429	25.0	26.2	
114 1,2-Dibromo-3-Chloropropane	157	13.079	13.079	0.000	90	128463	25.0	26.3	
116 1,2,4-Trichlorobenzene	180	13.589	13.589	0.000	94	634764	25.0	26.3	
117 Hexachlorobutadiene	225	13.672	13.672	0.000	94	348888	25.0	26.1	
118 Naphthalene	128	13.779	13.779	0.000	97	1454787	25.0	26.9	
119 1,2,3-Trichlorobenzene	180	13.933	13.933	0.000	95	598214	25.0	25.8	
S 128 Trihalomethanes, Total	1				0		100.0	104.3	
S 129 Total BTEX	1				0		125.0	133.0	
S 132 Xylenes, Total	106				0		50.0	54.1	

Reagents:

VMAROLISTDW_00604	Amount Added:	20.00	Units: uL	
VMRGAS_00588	Amount Added:	20.00	Units: uL	
VMRPRIMW_00647	Amount Added:	20.00	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:47:43 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-207.D

Injection Date: 18-Jul-2025 17:20:42 Instrument ID: A3UX27 Operator ID:

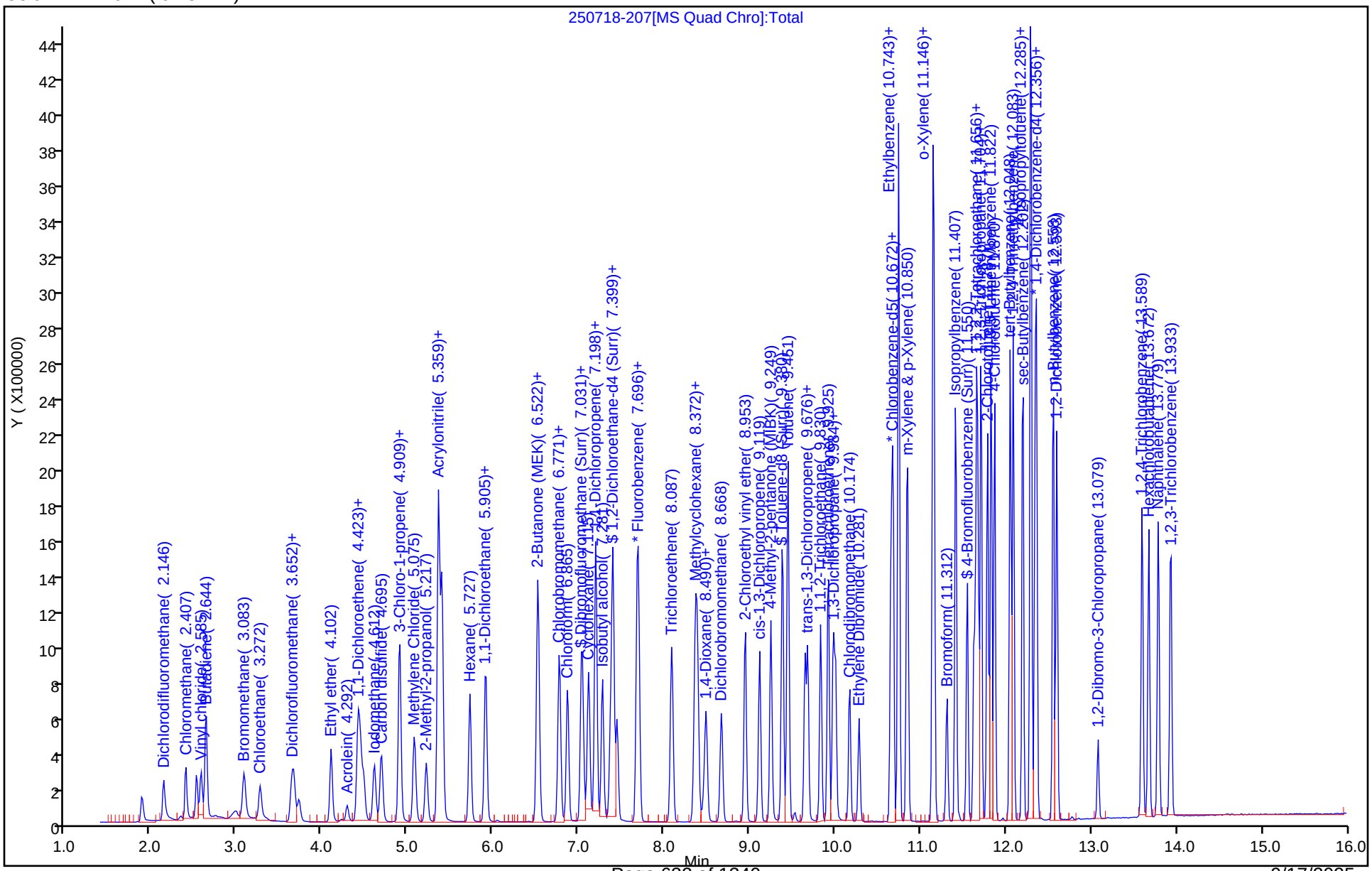
Lims ID: ICIS Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-208.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 18-Jul-2025 17:44:27 ALS Bottle#: 8 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 240-0157129-010
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:47:49 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.707	-0.011	99	1198556	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.660	10.660	0.000	83	917070	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	92	524108	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.031	7.031	0.000	96	335439	25.0	24.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.375	7.375	0.000	98	375519	25.0	24.3	
$ 6 Toluene-d8 (Surr)	98	9.379	9.380	-0.001	93	1249028	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	449205	25.0	25.8	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	100	737919	50.0	54.5	
12 Chloromethane	50	2.407	2.407	0.000	99	657225	50.0	47.6	
14 Vinyl chloride	62	2.584	2.585	0.000	98	662601	50.0	49.2	
13 Butadiene	54	2.644	2.644	0.000	99	645698	50.0	54.1	
15 Bromomethane	94	3.071	3.083	-0.012	91	503681	50.0	49.4	
16 Chloroethane	64	3.272	3.272	0.000	100	474980	50.0	50.1	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	563662	50.0	50.1	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	99	626019	50.0	54.7	
19 Ethyl ether	59	4.102	4.102	0.000	90	592183	50.0	50.6	
20 Acrolein	56	4.292	4.292	0.000	99	216497	250.0	230.2	
21 1,1-Dichloroethene	96	4.423	4.423	0.000	98	592436	50.0	51.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.446	4.446	0.000	90	486988	50.0	56.5	
24 Acetone	43	4.482	4.482	0.000	100	588002	100.0	101.0	
25 Iodomethane	142	4.612	4.612	0.000	99	1009436	50.0	49.9	
26 Carbon disulfide	76	4.695	4.695	0.000	99	1537070	50.0	50.4	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	81	384160	50.0	52.2	
29 Methyl acetate	43	4.909	4.909	0.000	96	1422485	100.0	95.8	
30 Methylene Chloride	84	5.075	5.075	0.000	90	624415	50.0	45.6	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	98	851162	500.0	488.4	
32 Acrylonitrile	53	5.359	5.359	0.000	99	3512003	500.0	509.1	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	94	1308518	50.0	48.9	
33 trans-1,2-Dichloroethene	96	5.395	5.407	-0.012	93	767733	50.0	48.8	
35 Hexane	86	5.727	5.727	0.000	92	195580	50.0	57.3	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	97	1308385	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	1177148	50.0	53.5	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	99	255038	100.0	98.8	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	80	849642	50.0	49.4	
42 2,2-Dichloropropane	97	6.533	6.533	0.000	87	151653	50.0	49.0	
46 Chlorobromomethane	128	6.771	6.771	0.000	89	462811	50.0	50.3	
49 Tetrahydrofuran	42	6.782	6.782	0.000	86	571040	100.0	96.8	
48 Chloroform	83	6.865	6.865	0.000	94	1372919	50.0	49.1	
50 1,1,1-Trichloroethane	97	7.043	7.043	0.000	98	964309	50.0	50.5	
51 Cyclohexane	56	7.114	7.115	0.000	88	1029698	50.0	55.7	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	1050604	50.0	52.8	
52 Carbon tetrachloride	117	7.198	7.198	0.000	91	1009859	50.0	52.4	
54 Isobutyl alcohol	41	7.281	7.281	-0.001	93	855259	1250.0	1300.8	
55 Benzene	78	7.399	7.399	0.000	96	3020282	50.0	49.9	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	97	1080706	50.0	48.8	
58 n-Heptane	100	7.684	7.684	0.000	93	241936	50.0	58.3	
60 Trichloroethene	130	8.087	8.087	0.000	96	932614	50.0	50.1	
62 Methylcyclohexane	83	8.372	8.372	0.000	90	1234354	50.0	57.4	
63 1,2-Dichloropropane	63	8.395	8.395	0.000	95	766182	50.0	50.7	
66 1,4-Dioxane	88	8.466	8.466	0.000	90	223263	1000.0	1022.9	
64 Dibromomethane	93	8.490	8.490	0.000	90	526455	50.0	49.2	
67 Dichlorobromomethane	83	8.668	8.668	0.000	99	1009891	50.0	50.9	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	93	1165347	100.0	110.4	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	96	1244657	50.0	53.2	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	1686888	100.0	106.0	
72 Toluene	91	9.451	9.451	0.000	99	3323538	50.0	50.0	
73 trans-1,3-Dichloropropene	75	9.652	9.652	0.000	97	1145501	50.0	52.6	
74 Ethyl methacrylate	69	9.676	9.676	0.000	89	1135197	50.0	54.7	
75 1,1,2-Trichloroethane	97	9.830	9.830	0.000	91	760398	50.0	49.0	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	782026	50.0	51.1	
77 1,3-Dichloropropane	76	9.984	9.984	0.000	88	1304536	50.0	50.0	
78 2-Hexanone	43	10.008	10.008	0.000	95	1230288	100.0	110.2	
80 Chlorodibromomethane	129	10.174	10.174	0.000	90	900728	50.0	52.2	
82 Ethylene Dibromide	107	10.281	10.281	0.000	98	819168	50.0	50.7	
84 Chlorobenzene	112	10.684	10.684	0.000	97	2261078	50.0	49.5	
86 Ethylbenzene	106	10.743	10.743	0.000	98	1211096	50.0	52.3	
85 1,1,1,2-Tetrachloroethane	131	10.743	10.743	0.000	46	846666	50.0	51.9	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	1501026	50.0	53.3	
89 o-Xylene	106	11.146	11.146	0.000	95	1457121	50.0	53.9	
88 Styrene	104	11.158	11.158	0.000	94	2429435	50.0	54.8	
90 Bromoform	173	11.312	11.312	0.000	99	716299	50.0	53.3	
91 Isopropylbenzene	105	11.407	11.407	0.000	96	3249545	50.0	53.9	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	96	1025163	50.0	50.0	
97 trans-1,4-Dichloro-2-butene	53	11.644	11.645	0.000	68	331842	50.0	52.2	
95 Bromobenzene	156	11.656	11.656	0.000	92	1066907	50.0	49.9	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	85	376662	50.0	50.2	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	1065874	50.0	53.7	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	932111	50.0	52.2	
100 1,3,5-Trimethylbenzene	105	11.822	11.822	0.000	95	2918268	50.0	54.1	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	980026	50.0	51.5	
103 tert-Butylbenzene	119	12.048	12.048	0.000	91	2704716	50.0	53.1	
104 1,2,4-Trimethylbenzene	105	12.083	12.083	0.000	95	3022751	50.0	54.2	
105 sec-Butylbenzene	105	12.202	12.202	0.000	94	3679060	50.0	54.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	3281469	50.0	55.3	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	95	1954276	50.0	50.6	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	96	1962597	50.0	50.0	
111 n-Butylbenzene	91	12.558	12.558	0.000	97	2858815	50.0	55.3	
112 1,2-Dichlorobenzene	146	12.593	12.593	0.000	99	1829349	50.0	50.1	
114 1,2-Dibromo-3-Chloropropane	157	13.079	13.079	0.000	91	268966	50.0	52.9	
116 1,2,4-Trichlorobenzene	180	13.589	13.589	0.000	94	1289490	50.0	51.4	
117 Hexachlorobutadiene	225	13.672	13.672	0.000	94	713526	50.0	51.2	
118 Naphthalene	128	13.779	13.779	0.000	97	3068740	50.0	54.5	
119 1,2,3-Trichlorobenzene	180	13.933	13.933	0.000	95	1229918	50.0	50.9	
S 128 Trihalomethanes, Total	1				0		200.0	205.4	
S 129 Total BTEX	1				0		250.0	259.2	
S 130 1,2-Dichloroethene, Total	96				0			98.2	
S 131 1,3-Dichloropropene, Total	75				0			105.8	
S 132 Xylenes, Total	106				0		100.0	107.1	

Reagents:

VMRPRIMW_00647	Amount Added:	40.00	Units: uL	
VMRGAS_00588	Amount Added:	40.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	40.00	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:47:50 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-208.D

Injection Date: 18-Jul-2025 17:44:27 Instrument ID: A3UX27 Operator ID:

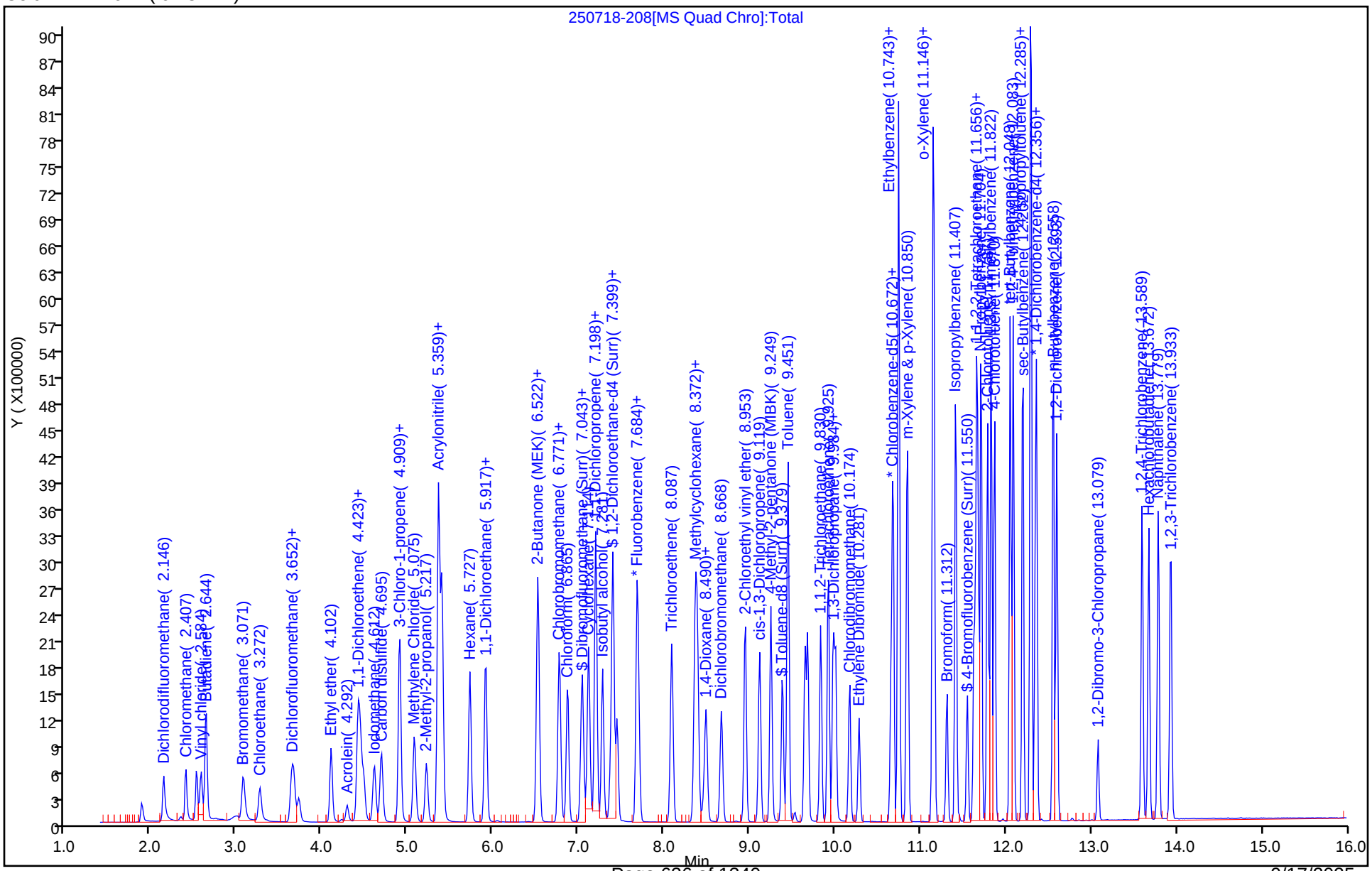
Lims ID: IC Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-209.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-Jul-2025 18:08:09 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 240-0157129-011
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:47:57 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.707	-0.011	99	1203617	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.649	10.660	-0.011	86	909331	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.345	12.344	0.001	91	513228	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.031	0.001	95	332348	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.375	0.001	97	375959	25.0	24.2	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	92	1272108	25.0	25.5	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	448622	25.0	26.0	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	99	1106624	75.0	81.4	
12 Chloromethane	50	2.407	2.407	0.000	99	1025668	75.0	74.0	
14 Vinyl chloride	62	2.585	2.585	0.001	98	997952	75.0	73.8	
13 Butadiene	54	2.644	2.644	0.000	99	974757	75.0	81.3	
15 Bromomethane	94	3.059	3.083	-0.024	91	724165	75.0	77.2	
16 Chloroethane	64	3.261	3.272	-0.011	100	712543	75.0	74.9	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	928755	75.0	74.9	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	99	978800	75.0	85.2	
19 Ethyl ether	59	4.103	4.102	0.001	90	899727	75.0	76.6	
20 Acrolein	56	4.293	4.292	0.001	100	339264	375.0	359.2	
21 1,1-Dichloroethene	96	4.411	4.423	-0.012	98	907735	75.0	78.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.447	4.446	0.001	92	732125	75.0	84.6	
24 Acetone	43	4.482	4.482	0.000	100	831651	150.0	143.5	
25 Iodomethane	142	4.613	4.612	0.001	99	1516554	75.0	74.6	
26 Carbon disulfide	76	4.696	4.695	0.001	99	2340956	75.0	76.4	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	81	573866	75.0	77.7	
29 Methyl acetate	43	4.897	4.909	-0.012	96	2147032	150.0	143.9	
30 Methylene Chloride	84	5.075	5.075	0.000	90	930836	75.0	67.6	
31 2-Methyl-2-propanol	59	5.218	5.217	0.001	98	1245347	750.0	711.5	
32 Acrylonitrile	53	5.360	5.359	0.001	99	5222991	750.0	753.9	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	95	1989600	75.0	74.1	
33 trans-1,2-Dichloroethene	96	5.395	5.407	-0.012	93	1151814	75.0	72.9	
35 Hexane	86	5.727	5.727	0.000	91	301707	75.0	88.0	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	96	1965061	75.0	75.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	1614675	75.0	73.1	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	100	374073	150.0	144.3	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	80	1274030	75.0	73.7	
42 2,2-Dichloropropane	97	6.534	6.533	0.001	87	226034	75.0	72.7	
46 Chlorobromomethane	128	6.771	6.771	0.000	90	688307	75.0	74.5	
49 Tetrahydrofuran	42	6.783	6.782	0.001	86	845374	150.0	142.6	
48 Chloroform	83	6.866	6.865	0.001	95	2029126	75.0	72.3	
50 1,1,1-Trichloroethane	97	7.044	7.043	0.001	98	1437700	75.0	74.9	
51 Cyclohexane	56	7.115	7.115	0.001	88	1584803	75.0	85.4	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	1577021	75.0	78.9	
52 Carbon tetrachloride	117	7.198	7.198	0.000	90	1534700	75.0	79.2	
54 Isobutyl alcohol	41	7.281	7.281	0.000	94	1166794	1875.0	1789.7	
55 Benzene	78	7.399	7.399	0.000	96	4493662	75.0	73.9	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	97	1597037	75.0	71.7	
58 n-Heptane	100	7.684	7.684	0.000	90	367149	75.0	88.1	
60 Trichloroethene	130	8.087	8.087	0.000	96	1406758	75.0	75.3	
62 Methylcyclohexane	83	8.360	8.372	-0.012	91	1871239	75.0	86.7	
63 1,2-Dichloropropane	63	8.396	8.395	0.001	96	1149784	75.0	75.8	
66 1,4-Dioxane	88	8.467	8.466	0.001	92	334419	1500.0	1525.7	
64 Dibromomethane	93	8.490	8.490	0.000	90	789680	75.0	73.5	
67 Dichlorobromomethane	83	8.668	8.668	0.000	99	1511342	75.0	75.8	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	92	1771957	150.0	167.2	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	96	1910309	75.0	81.3	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	2535309	150.0	158.6	
72 Toluene	91	9.451	9.451	0.000	99	4942560	75.0	75.0	
73 trans-1,3-Dichloropropene	75	9.653	9.652	0.001	96	1755521	75.0	81.3	
74 Ethyl methacrylate	69	9.676	9.676	0.000	86	1759307	75.0	85.5	
75 1,1,2-Trichloroethane	97	9.831	9.830	0.001	91	1140951	75.0	74.2	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	1153649	75.0	76.1	
77 1,3-Dichloropropane	76	9.985	9.984	0.001	88	1969469	75.0	76.1	
78 2-Hexanone	43	10.008	10.008	0.000	94	1777657	150.0	160.5	
80 Chlorodibromomethane	129	10.174	10.174	0.000	90	1363852	75.0	79.6	
82 Ethylene Dibromide	107	10.281	10.281	0.000	98	1222210	75.0	76.3	
84 Chlorobenzene	112	10.684	10.684	0.000	98	3378916	75.0	74.7	
86 Ethylbenzene	106	10.744	10.743	0.001	98	1813015	75.0	78.9	
85 1,1,1,2-Tetrachloroethane	131	10.744	10.743	0.001	92	1258002	75.0	77.8	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	2203795	75.0	78.9	
89 o-Xylene	106	11.147	11.146	0.001	94	2120544	75.0	79.1	
88 Styrene	104	11.159	11.158	0.001	94	3619763	75.0	82.4	
90 Bromoform	173	11.313	11.312	0.001	99	1072023	75.0	80.4	
91 Isopropylbenzene	105	11.408	11.407	0.001	96	4795504	75.0	80.2	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	95	1476798	75.0	73.5	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.001	67	475717	75.0	76.5	
95 Bromobenzene	156	11.657	11.656	0.001	93	1586582	75.0	75.7	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	84	541763	75.0	73.8	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	1570305	75.0	80.9	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	1371311	75.0	78.4	
100 1,3,5-Trimethylbenzene	105	11.823	11.822	0.001	96	4183266	75.0	79.3	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	1454616	75.0	78.0	
103 tert-Butylbenzene	119	12.048	12.048	0.000	90	3928906	75.0	78.7	
104 1,2,4-Trimethylbenzene	105	12.084	12.083	0.001	97	4333521	75.0	79.3	
105 sec-Butylbenzene	105	12.190	12.202	-0.012	95	5307126	75.0	79.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	4706478	75.0	80.9	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	95	2822417	75.0	74.6	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	96	2840530	75.0	73.9	
111 n-Butylbenzene	91	12.546	12.558	-0.012	97	4144618	75.0	81.8	
112 1,2-Dichlorobenzene	146	12.594	12.593	0.001	99	2623631	75.0	73.3	
114 1,2-Dibromo-3-Chloropropane	157	13.080	13.079	0.001	92	392147	75.0	78.8	
116 1,2,4-Trichlorobenzene	180	13.590	13.589	0.001	94	1896562	75.0	77.1	
117 Hexachlorobutadiene	225	13.673	13.672	0.001	94	994474	75.0	72.8	
118 Naphthalene	128	13.779	13.779	0.000	97	4578842	75.0	83.1	
119 1,2,3-Trichlorobenzene	180	13.934	13.933	0.001	95	1814405	75.0	76.7	
S 128 Trihalomethanes, Total	1				0		300.0	308.1	
S 129 Total BTEX	1				0		375.0	385.6	
S 130 1,2-Dichloroethene, Total	96				0			146.6	
S 131 1,3-Dichloropropene, Total	75				0			162.6	
S 132 Xylenes, Total	106				0		150.0	157.9	

Reagents:

VMAROLISTDW_00604	Amount Added:	60.00	Units: uL	
VMRGAS_00588	Amount Added:	60.00	Units: uL	
VMRPRIMW_00647	Amount Added:	60.00	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:47:57 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-209.D

Injection Date: 18-Jul-2025 18:08:09 Instrument ID: A3UX27 Operator ID:

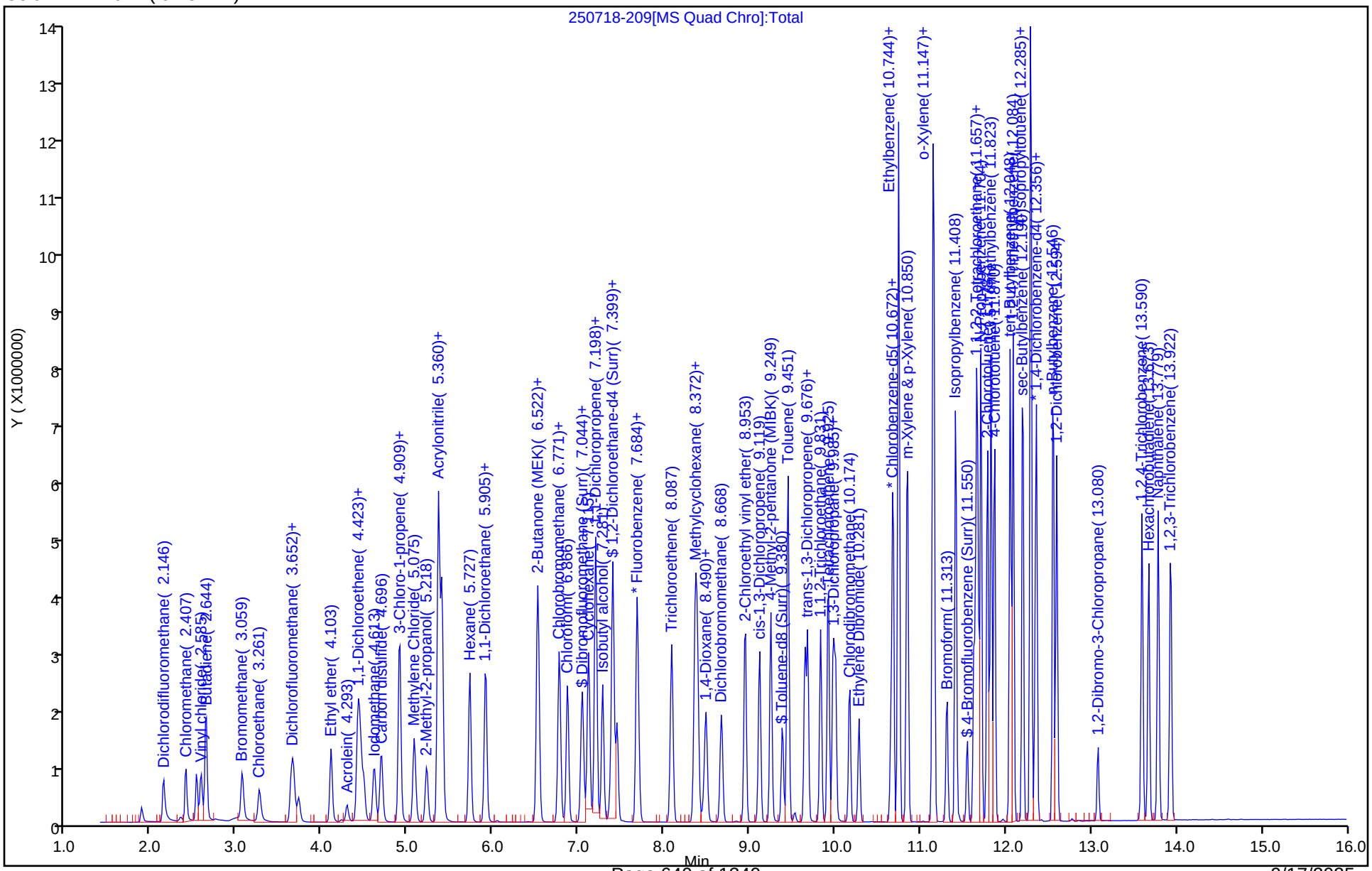
Lims ID: IC Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-210.D
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 18-Jul-2025 18:31:54 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 240-0157129-012
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 13:48:04 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.707	-0.011	99	1206192	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.661	10.660	0.001	83	928643	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.345	12.344	0.001	93	500390	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.031	0.001	96	341504	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.375	0.001	97	384934	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	92	1284477	25.0	25.2	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	445945	25.0	25.3	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	99	1491230	100.0	109.5	
12 Chloromethane	50	2.407	2.407	0.000	99	1408055	100.0	101.3	
14 Vinyl chloride	62	2.585	2.585	0.001	99	1306109	100.0	96.4	
13 Butadiene	54	2.644	2.644	0.000	99	1279044	100.0	106.5	
15 Bromomethane	94	3.059	3.083	-0.024	91	860492	100.0	98.8	
16 Chloroethane	64	3.261	3.272	-0.011	100	937428	100.0	98.3	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	1307268	100.0	97.5	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	98	1297369	100.0	112.7	
19 Ethyl ether	59	4.103	4.102	0.001	90	1205122	100.0	102.3	
20 Acrolein	56	4.293	4.292	0.001	99	532336	500.0	562.3	
21 1,1-Dichloroethene	96	4.411	4.423	-0.012	98	1223898	100.0	105.3	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.447	4.446	0.001	91	981467	100.0	113.2	
24 Acetone	43	4.482	4.482	0.000	100	1185089	200.0	205.3	
25 Iodomethane	142	4.601	4.612	-0.011	99	2034572	100.0	99.9	
26 Carbon disulfide	76	4.684	4.695	-0.011	99	3128277	100.0	101.9	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	81	776525	100.0	104.9	
29 Methyl acetate	43	4.897	4.909	-0.012	96	2908019	200.0	194.5	
30 Methylene Chloride	84	5.075	5.075	0.000	90	1257009	100.0	91.1	
31 2-Methyl-2-propanol	59	5.229	5.217	0.012	98	1641721	1000.0	936.0	
32 Acrylonitrile	53	5.360	5.359	0.001	99	7004904	1000.0	1009.0	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	95	2631384	100.0	97.7	
33 trans-1,2-Dichloroethene	96	5.395	5.407	-0.012	91	1509146	100.0	95.3	
35 Hexane	86	5.727	5.727	0.000	91	402250	100.0	117.1	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	96	2607264	100.0	99.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	2293289	100.0	103.6	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	99	508605	200.0	195.8	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	80	1714445	100.0	99.0	
42 2,2-Dichloropropane	97	6.534	6.533	0.001	87	290816	100.0	93.3	
46 Chlorobromomethane	128	6.771	6.771	0.000	89	922364	100.0	99.6	
49 Tetrahydrofuran	42	6.783	6.782	0.001	86	1170674	200.0	197.1	
48 Chloroform	83	6.866	6.865	0.001	93	2703047	100.0	96.0	
50 1,1,1-Trichloroethane	97	7.044	7.043	0.001	98	1894917	100.0	98.5	
51 Cyclohexane	56	7.115	7.115	0.001	88	2103651	100.0	113.1	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	2088201	100.0	104.3	
52 Carbon tetrachloride	117	7.198	7.198	0.000	89	2017259	100.0	103.9	
54 Isobutyl alcohol	41	7.281	7.281	0.000	93	1522855	2500.0	2287.3	
55 Benzene	78	7.400	7.399	0.001	96	5933372	100.0	97.3	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	97	2114729	100.0	94.8	
58 n-Heptane	100	7.684	7.684	0.000	89	498351	100.0	119.3	
60 Trichloroethene	130	8.087	8.087	0.000	96	1865577	100.0	99.6	
62 Methylcyclohexane	83	8.360	8.372	-0.012	91	2512990	100.0	116.1	
63 1,2-Dichloropropane	63	8.396	8.395	0.001	96	1549704	100.0	101.9	
66 1,4-Dioxane	88	8.467	8.466	0.001	92	438860	2000.0	1997.9	
64 Dibromomethane	93	8.491	8.490	0.001	90	1049223	100.0	97.4	
67 Dichlorobromomethane	83	8.668	8.668	0.000	100	2037885	100.0	102.0	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	93	2380693	200.0	224.2	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	96	2554037	100.0	108.5	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	3392026	200.0	211.7	
72 Toluene	91	9.451	9.451	0.000	99	6484603	100.0	96.3	
73 trans-1,3-Dichloropropene	75	9.653	9.652	0.001	96	2360036	100.0	107.0	
74 Ethyl methacrylate	69	9.676	9.676	0.000	89	2358237	100.0	112.2	
75 1,1,2-Trichloroethane	97	9.831	9.830	0.001	91	1512781	100.0	96.3	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	1538007	100.0	99.3	
77 1,3-Dichloropropane	76	9.985	9.984	0.001	88	2593496	100.0	98.2	
78 2-Hexanone	43	10.008	10.008	0.000	95	2349442	200.0	207.8	
80 Chlorodibromomethane	129	10.174	10.174	0.000	90	1827153	100.0	104.5	
82 Ethylene Dibromide	107	10.281	10.281	0.000	99	1620754	100.0	99.1	
84 Chlorobenzene	112	10.684	10.684	0.000	96	4440613	100.0	96.1	
86 Ethylbenzene	106	10.744	10.743	0.001	98	2364981	100.0	100.8	
85 1,1,1,2-Tetrachloroethane	131	10.744	10.743	0.001	46	1650617	100.0	100.0	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	2912211	100.0	102.0	
89 o-Xylene	106	11.147	11.146	0.001	95	2825065	100.0	103.1	
88 Styrene	104	11.159	11.158	0.001	94	4702435	100.0	104.8	
90 Bromoform	173	11.313	11.312	0.001	99	1413653	100.0	103.8	
91 Isopropylbenzene	105	11.408	11.407	0.001	96	6143303	100.0	100.6	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	95	1939354	100.0	99.0	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.001	68	615377	100.0	101.5	
95 Bromobenzene	156	11.657	11.656	0.001	92	2055012	100.0	100.6	
96 1,2,3-Trichloropropane	110	11.681	11.680	0.000	84	705323	100.0	98.5	
98 N-Propylbenzene	120	11.704	11.704	0.000	97	2009217	100.0	106.1	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	1772654	100.0	104.0	
100 1,3,5-Trimethylbenzene	105	11.823	11.822	0.001	96	5404346	100.0	105.0	
101 4-Chlorotoluene	126	11.870	11.870	0.000	95	1853681	100.0	102.0	
103 tert-Butylbenzene	119	12.048	12.048	0.000	91	5062062	100.0	104.0	
104 1,2,4-Trimethylbenzene	105	12.084	12.083	0.001	97	5566554	100.0	104.5	
105 sec-Butylbenzene	105	12.190	12.202	-0.012	95	6754806	100.0	104.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	5976539	100.0	105.4	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	94	3593202	100.0	97.4	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	96	3572770	100.0	95.3	
111 n-Butylbenzene	91	12.546	12.558	-0.012	96	5228020	100.0	105.9	
112 1,2-Dichlorobenzene	146	12.594	12.593	0.001	99	3345267	100.0	95.9	
114 1,2-Dibromo-3-Chloropropane	157	13.080	13.079	0.001	94	527653	100.0	108.7	
116 1,2,4-Trichlorobenzene	180	13.590	13.589	0.001	94	2448544	100.0	102.2	
117 Hexachlorobutadiene	225	13.673	13.672	0.001	94	1296166	100.0	97.4	
118 Naphthalene	128	13.779	13.779	0.000	97	5969688	100.0	111.1	
119 1,2,3-Trichlorobenzene	180	13.934	13.933	0.001	96	2363833	100.0	102.4	
S 128 Trihalomethanes, Total	1				0		400.0	406.3	
S 129 Total BTEX	1				0		500.0	499.6	
S 130 1,2-Dichloroethene, Total	96				0			194.3	
S 131 1,3-Dichloropropene, Total	75				0			215.5	
S 132 Xylenes, Total	106				0		200.0	205.2	

Reagents:

VMRPRIMW_00647	Amount Added:	80.00	Units: uL	
VMRGAS_00588	Amount Added:	80.00	Units: uL	
VMAROLISTDW_00604	Amount Added:	80.00	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 13:48:05 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-210.D

Injection Date: 18-Jul-2025 18:31:54 Instrument ID: A3UX27 Operator ID:

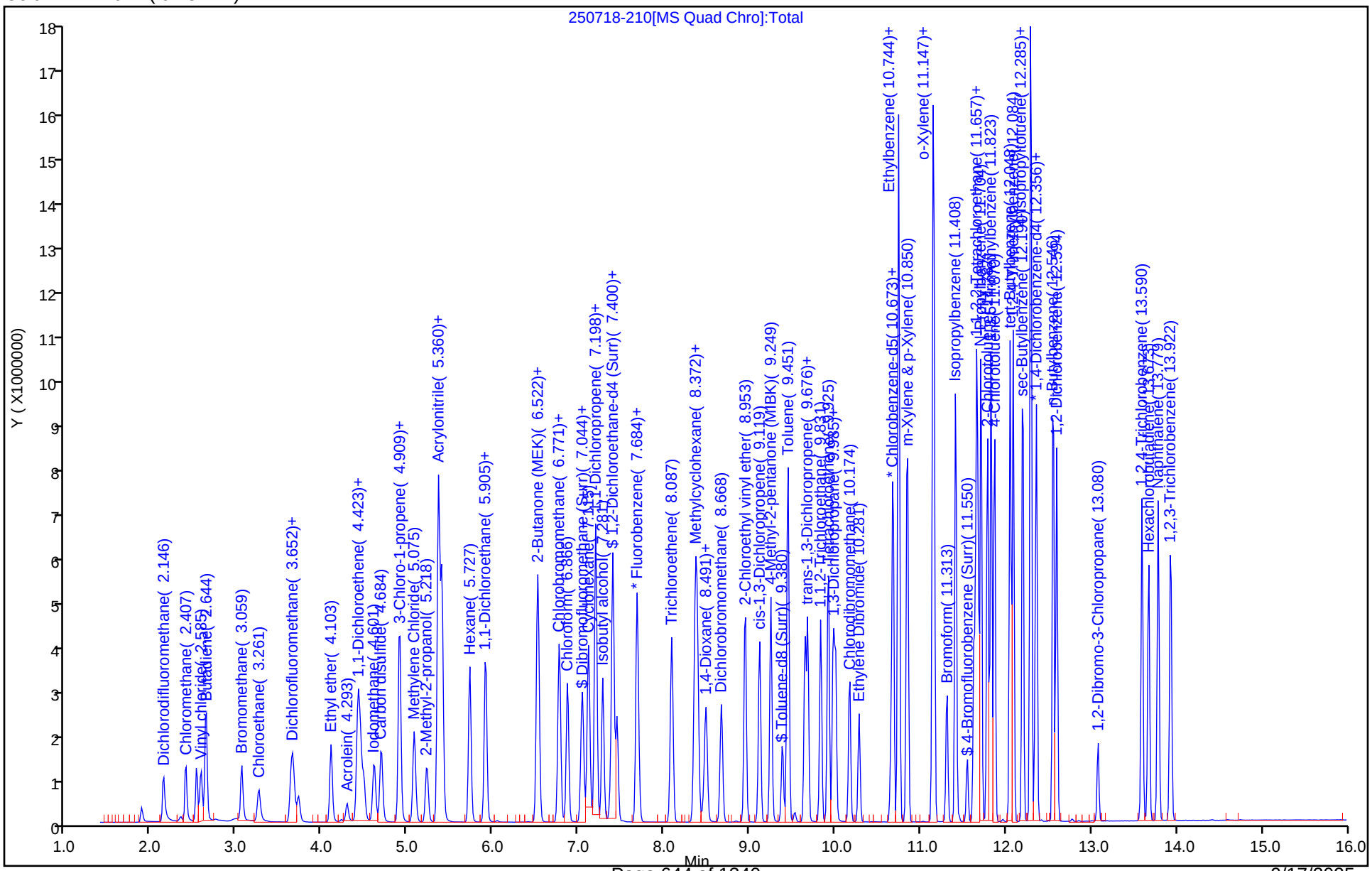
Lims ID: IC Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 10

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

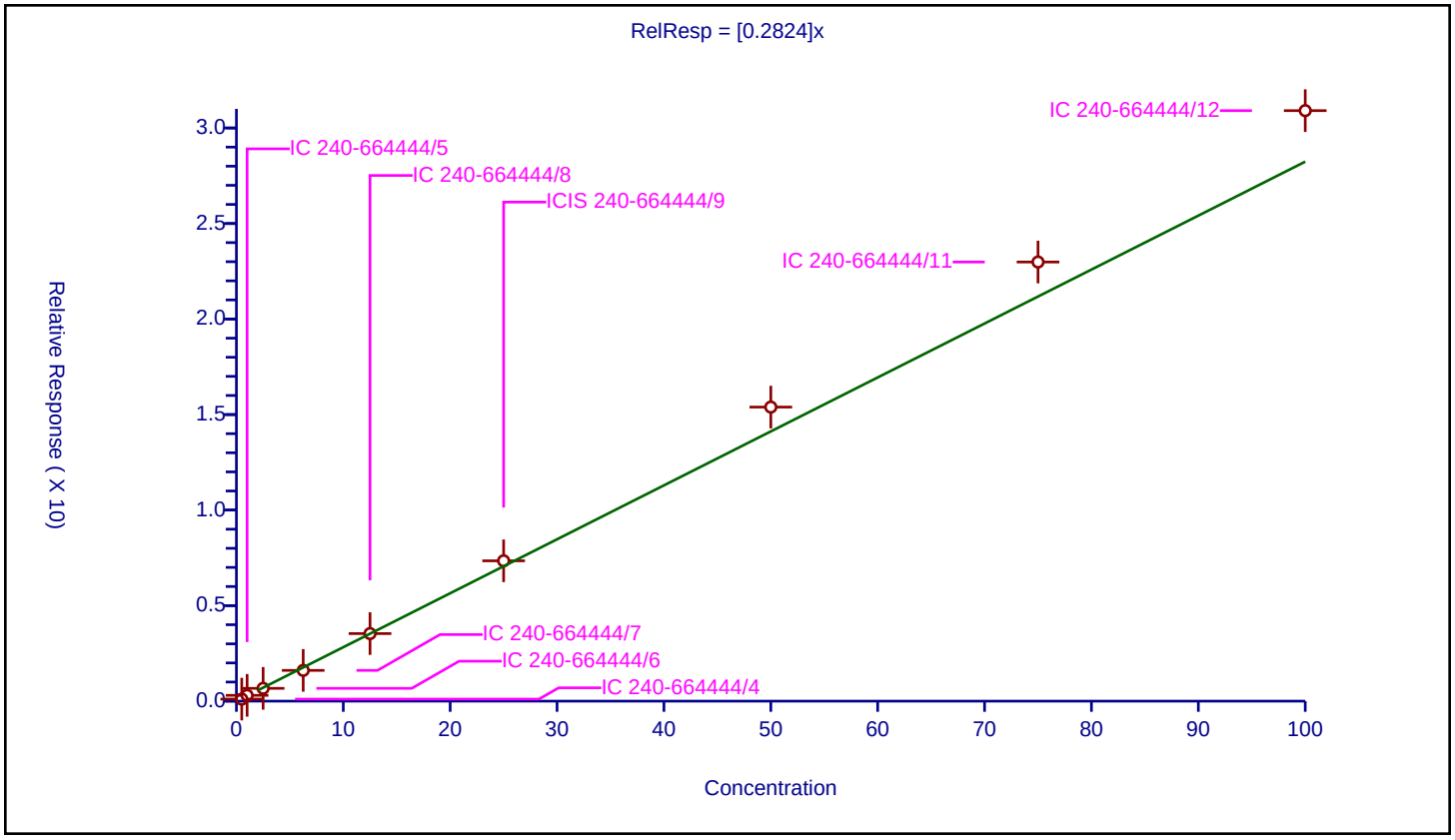
Curve Coefficients

Intercept:	0
Slope:	0.2824

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.106216	25.0	1123416.0	0.212432	Y
2	IC 240-664444/5	1.0	0.303074	25.0	1126954.0	0.303074	Y
3	IC 240-664444/6	2.5	0.670174	25.0	1109190.0	0.268069	Y
4	IC 240-664444/7	6.25	1.609845	25.0	1144303.0	0.257575	Y
5	IC 240-664444/8	12.5	3.536611	25.0	1157669.0	0.282929	Y
6	ICIS 240-664444/9	25.0	7.345518	25.0	1135393.0	0.293821	Y
7	IC 240-664444/10	50.0	15.391834	25.0	1198556.0	0.307837	Y
8	IC 240-664444/11	75.0	22.985385	25.0	1203617.0	0.306472	Y
9	IC 240-664444/12	100.0	30.907807	25.0	1206192.0	0.309078	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

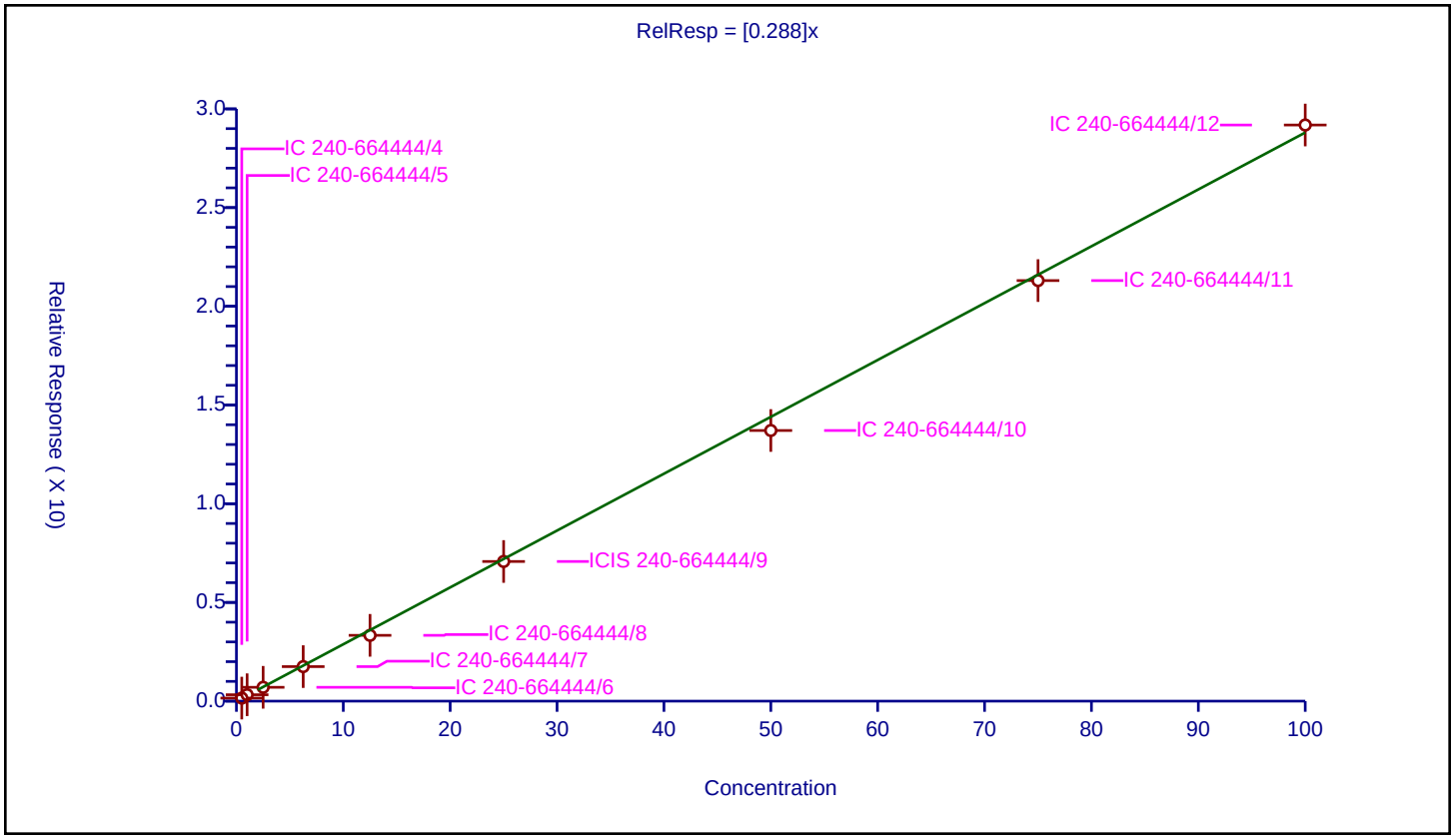
Curve Coefficients

Intercept:	0
Slope:	0.288

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.153972	25.0	1123416.0	0.307945	Y
2	IC 240-664444/5	1.0	0.324259	25.0	1126954.0	0.324259	Y
3	IC 240-664444/6	2.5	0.700421	25.0	1109190.0	0.280168	Y
4	IC 240-664444/7	6.25	1.749515	25.0	1144303.0	0.279922	Y
5	IC 240-664444/8	12.5	3.333466	25.0	1157669.0	0.266677	Y
6	ICIS 240-664444/9	25.0	7.074004	25.0	1135393.0	0.28296	Y
7	IC 240-664444/10	50.0	13.708684	25.0	1198556.0	0.274174	Y
8	IC 240-664444/11	75.0	21.30387	25.0	1203617.0	0.284052	Y
9	IC 240-664444/12	100.0	29.18389	25.0	1206192.0	0.291839	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

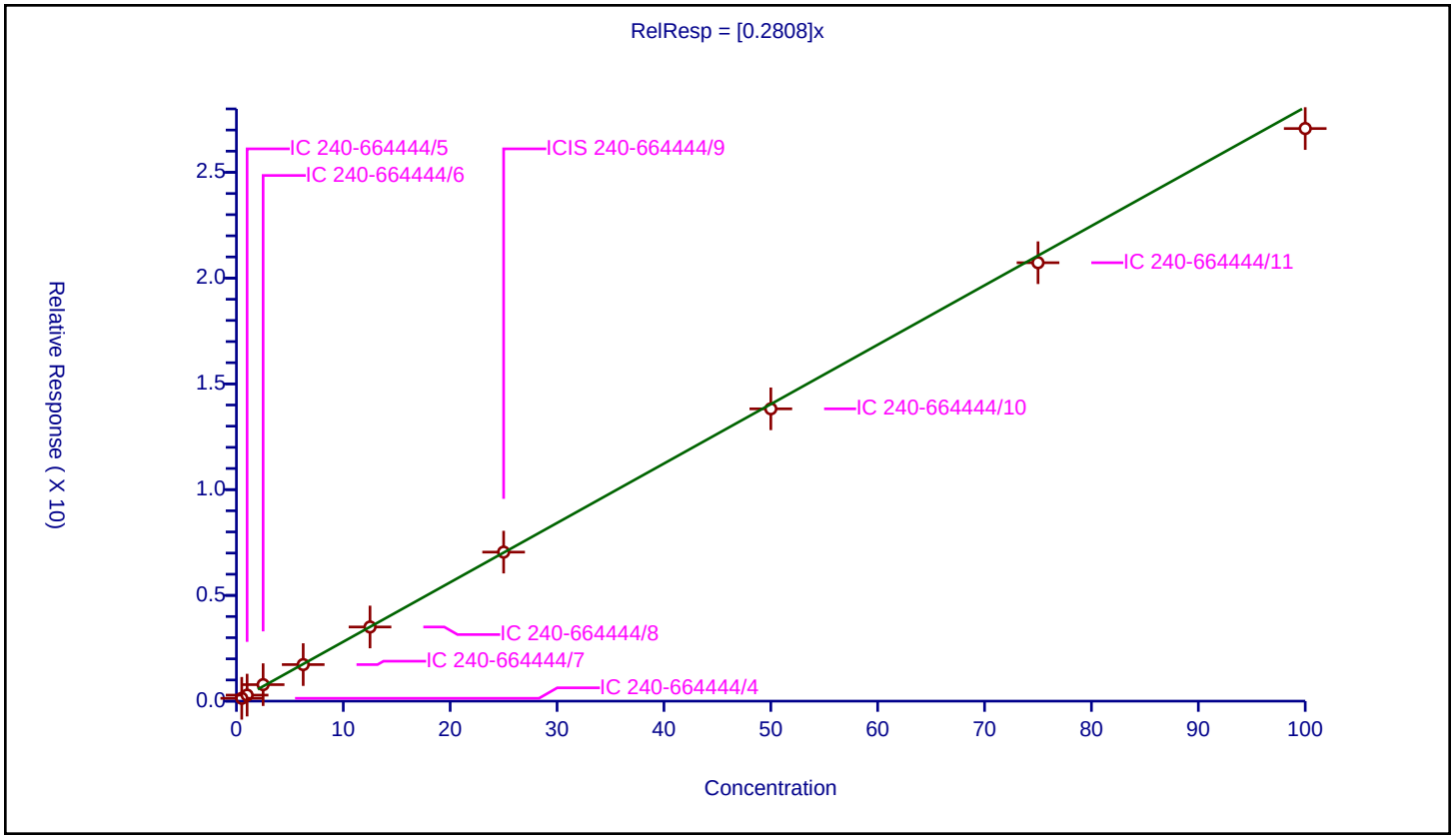
Curve Coefficients

Intercept:	0
Slope:	0.2808

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.134167	25.0	1123416.0	0.268333	Y
2	IC 240-664444/5	1.0	0.284927	25.0	1126954.0	0.284927	Y
3	IC 240-664444/6	2.5	0.7796	25.0	1109190.0	0.31184	Y
4	IC 240-664444/7	6.25	1.727777	25.0	1144303.0	0.276444	Y
5	IC 240-664444/8	12.5	3.506076	25.0	1157669.0	0.280486	Y
6	ICIS 240-664444/9	25.0	7.045974	25.0	1135393.0	0.281839	Y
7	IC 240-664444/10	50.0	13.820819	25.0	1198556.0	0.276416	Y
8	IC 240-664444/11	75.0	20.728188	25.0	1203617.0	0.276376	Y
9	IC 240-664444/12	100.0	27.070918	25.0	1206192.0	0.270709	Y



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Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

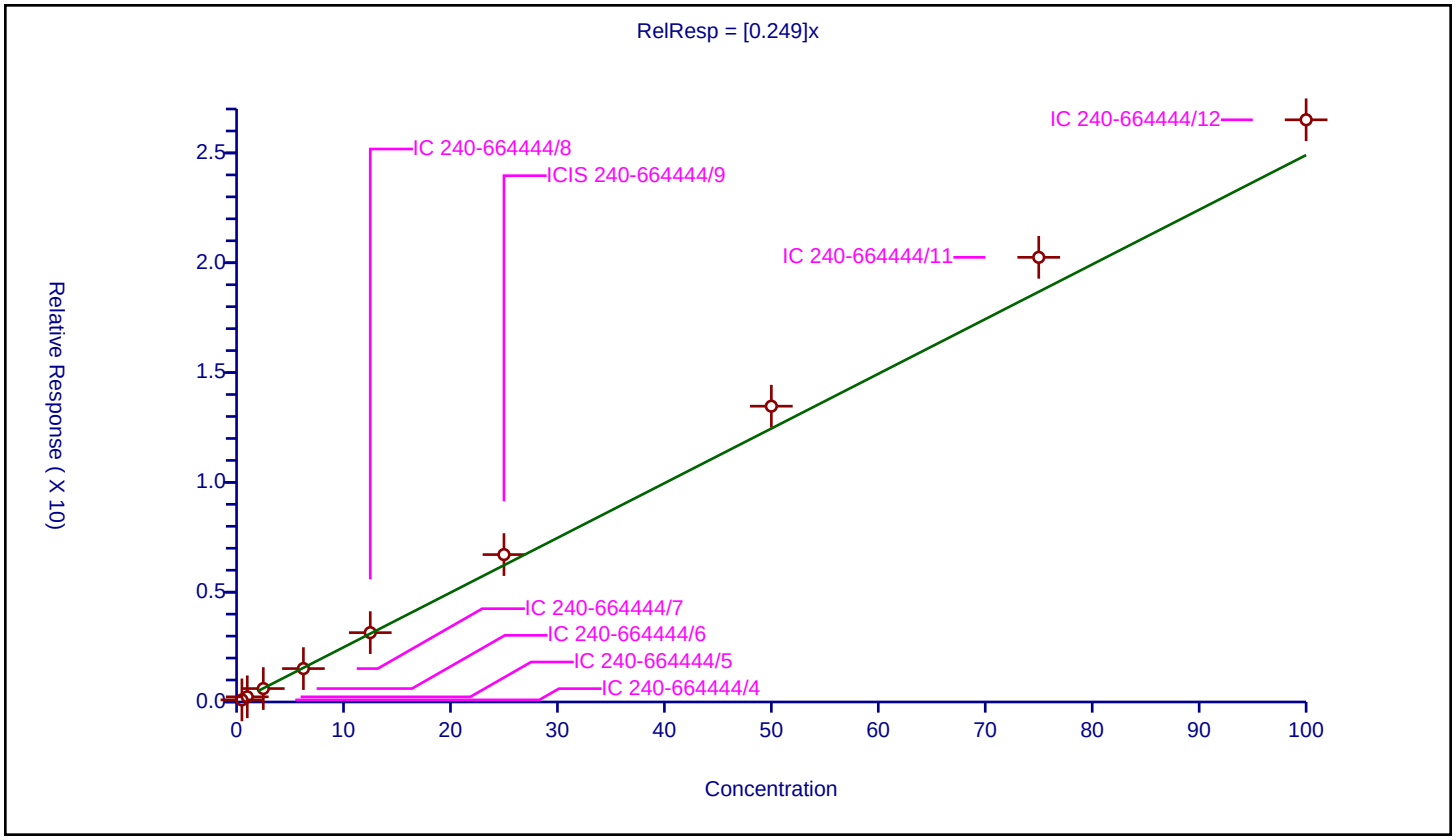
Curve Coefficients

Intercept:	0
Slope:	0.249

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.096469	25.0	1123416.0	0.192938	Y
2	IC 240-664444/5	1.0	0.235103	25.0	1126954.0	0.235103	Y
3	IC 240-664444/6	2.5	0.610941	25.0	1109190.0	0.244377	Y
4	IC 240-664444/7	6.25	1.521079	25.0	1144303.0	0.243373	Y
5	IC 240-664444/8	12.5	3.158135	25.0	1157669.0	0.252651	Y
6	ICIS 240-664444/9	25.0	6.711134	25.0	1135393.0	0.268445	Y
7	IC 240-664444/10	50.0	13.468248	25.0	1198556.0	0.269365	Y
8	IC 240-664444/11	75.0	20.246411	25.0	1203617.0	0.269952	Y
9	IC 240-664444/12	100.0	26.509959	25.0	1206192.0	0.2651	Y



Calibration / Bromomethane

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

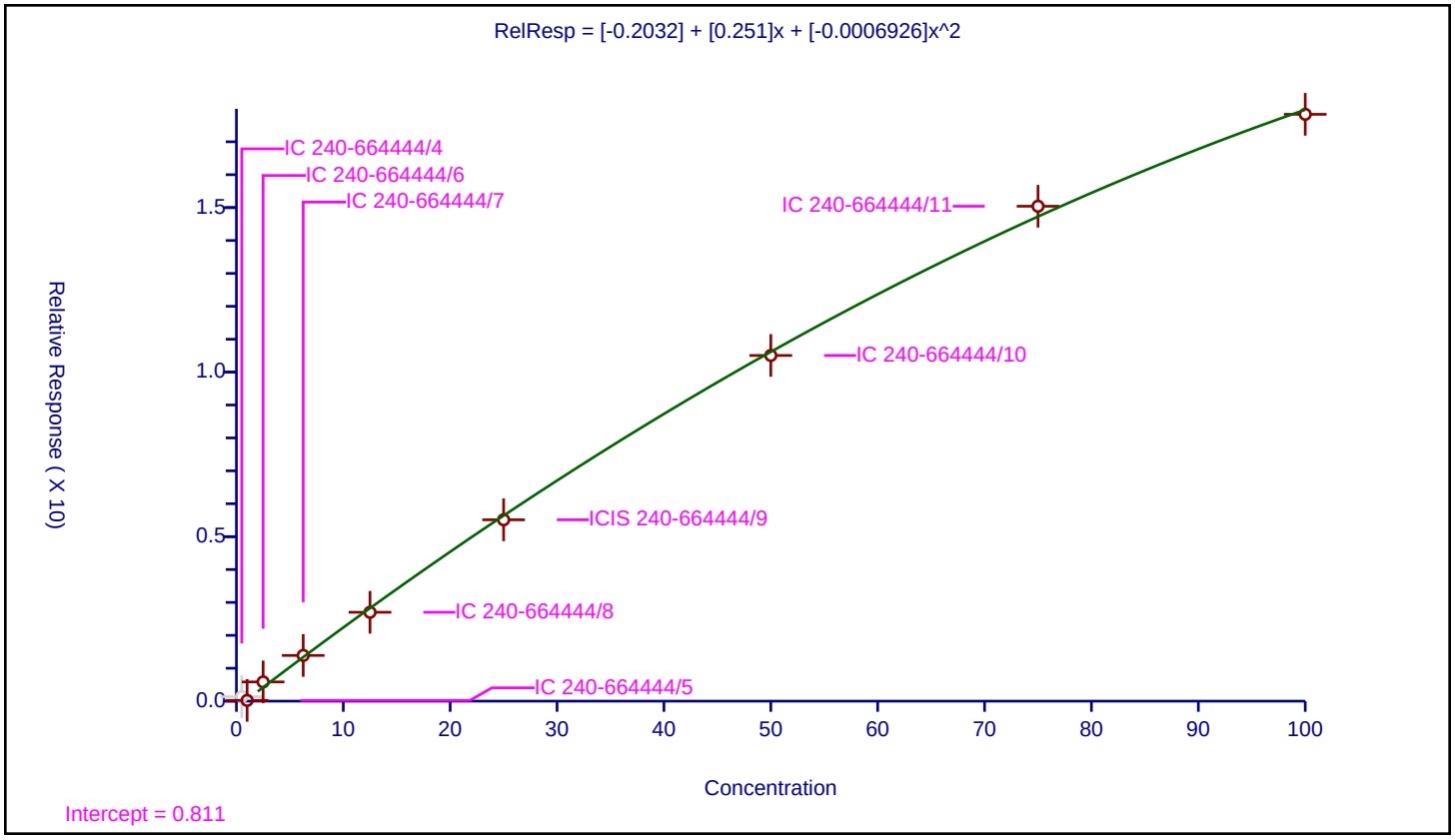
Curve Coefficients

Intercept:	-0.2032
Slope:	0.251
Second Order:	-0.0006926

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.134679	25.0	1123416.0	0.269357	N
2	IC 240-664444/5	1.0	0.023404	25.0	1126954.0	0.023404	Y
3	IC 240-664444/6	2.5	0.583714	25.0	1109190.0	0.233486	Y
4	IC 240-664444/7	6.25	1.388356	25.0	1144303.0	0.222137	Y
5	IC 240-664444/8	12.5	2.701225	25.0	1157669.0	0.216098	Y
6	ICIS 240-664444/9	25.0	5.51166	25.0	1135393.0	0.220466	Y
7	IC 240-664444/10	50.0	10.505996	25.0	1198556.0	0.21012	Y
8	IC 240-664444/11	75.0	15.041433	25.0	1203617.0	0.200552	Y
9	IC 240-664444/12	100.0	17.834889	25.0	1206192.0	0.178349	Y



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Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

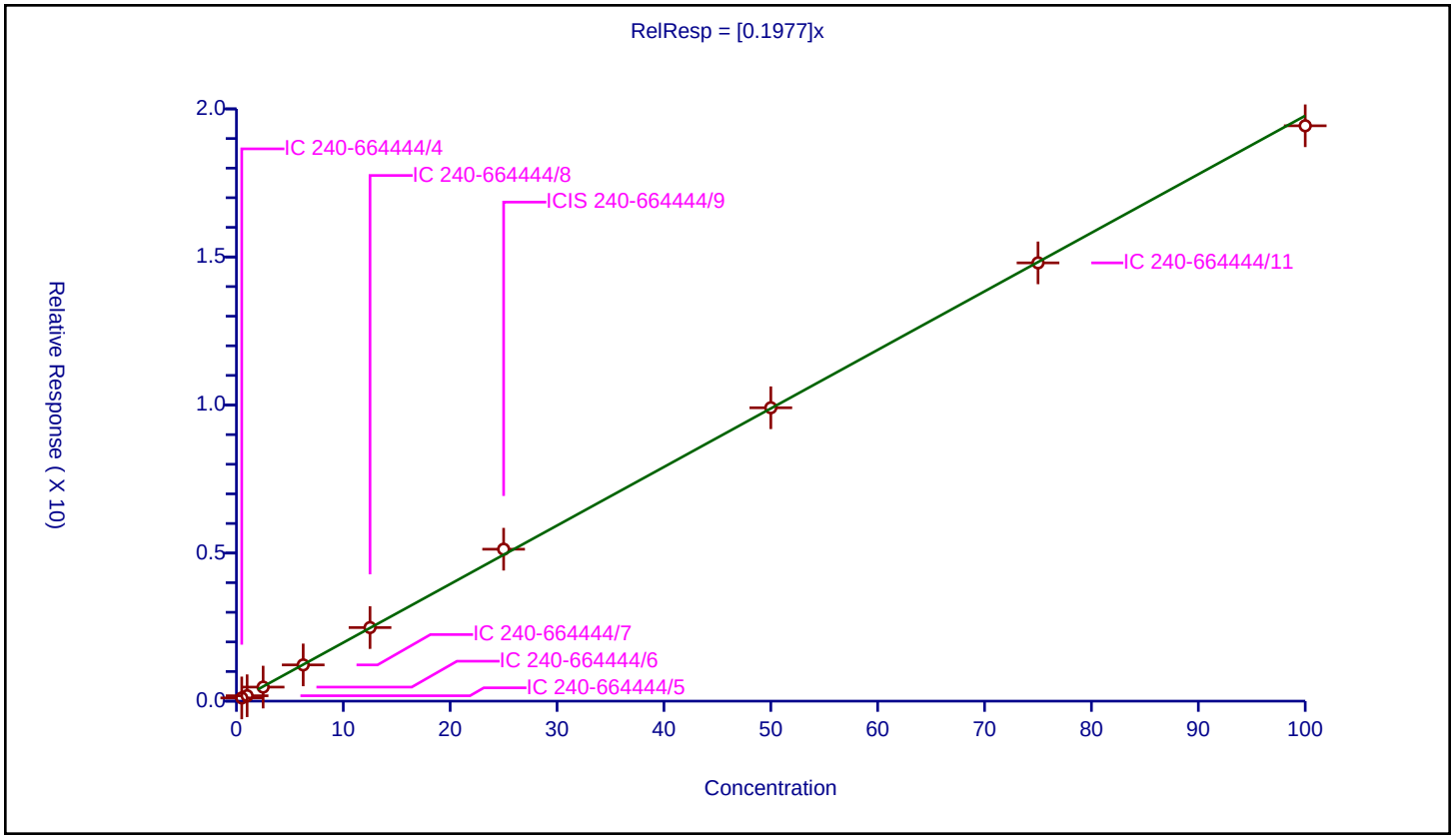
Curve Coefficients

Intercept:	0
Slope:	0.1977

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.108709	25.0	1123416.0	0.217417	Y
2	IC 240-664444/5	1.0	0.182572	25.0	1126954.0	0.182572	Y
3	IC 240-664444/6	2.5	0.474017	25.0	1109190.0	0.189607	Y
4	IC 240-664444/7	6.25	1.22402	25.0	1144303.0	0.195843	Y
5	IC 240-664444/8	12.5	2.484734	25.0	1157669.0	0.198779	Y
6	ICIS 240-664444/9	25.0	5.13058	25.0	1135393.0	0.205223	Y
7	IC 240-664444/10	50.0	9.907338	25.0	1198556.0	0.198147	Y
8	IC 240-664444/11	75.0	14.800036	25.0	1203617.0	0.197334	Y
9	IC 240-664444/12	100.0	19.429494	25.0	1206192.0	0.194295	Y



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Calibration / Dichlorofluoromethane

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

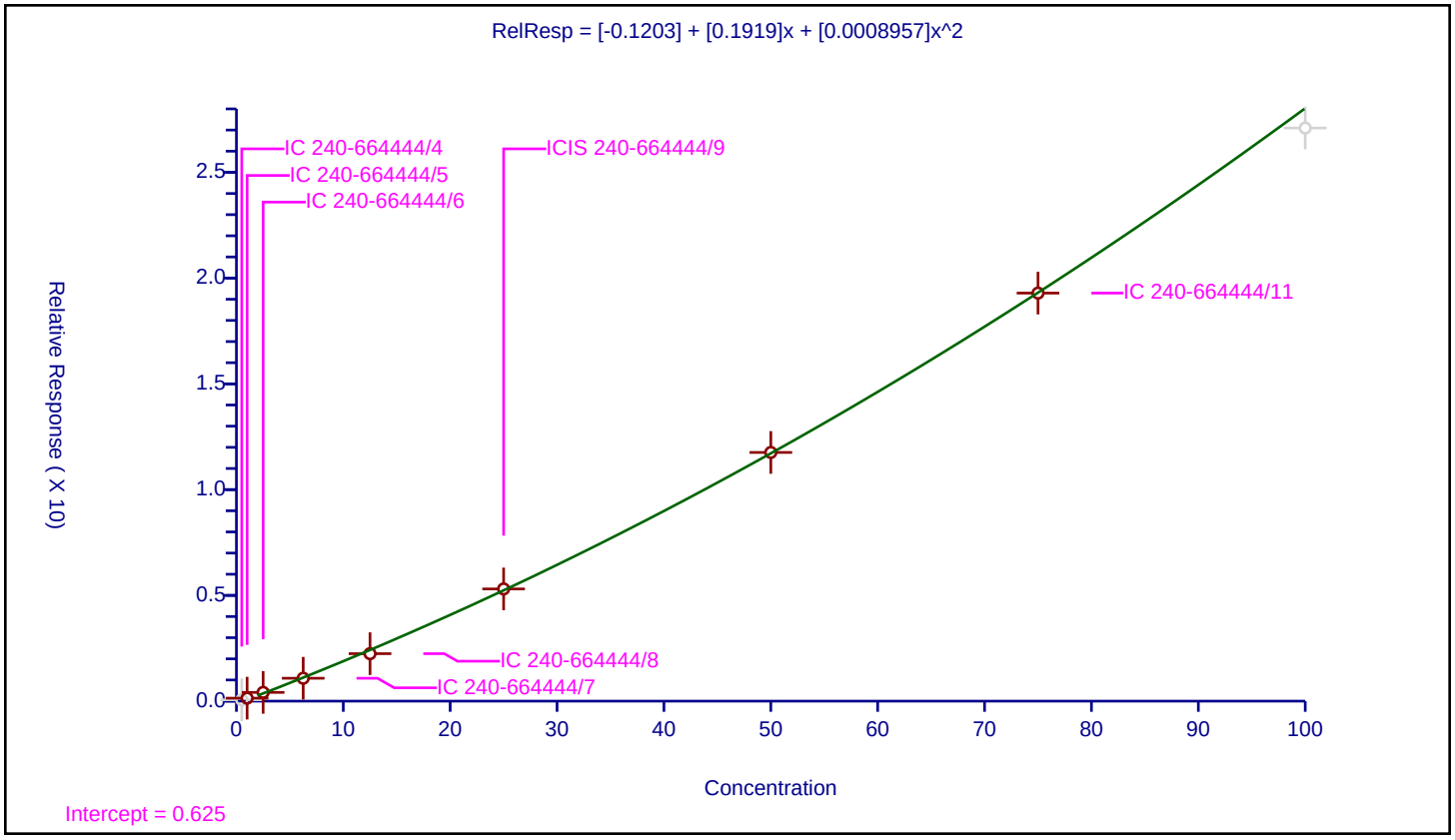
Curve Coefficients

Intercept:	-0.1203
Slope:	0.1919
Second Order:	0.0008957

Error Coefficients

Relative Standard Deviation:	19.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.062443	25.0	1123416.0	0.124887	N
2	IC 240-664444/5	1.0	0.14222	25.0	1126954.0	0.14222	Y
3	IC 240-664444/6	2.5	0.414041	25.0	1109190.0	0.165616	Y
4	IC 240-664444/7	6.25	1.082733	25.0	1144303.0	0.173237	Y
5	IC 240-664444/8	12.5	2.243884	25.0	1157669.0	0.179511	Y
6	ICIS 240-664444/9	25.0	5.304199	25.0	1135393.0	0.212168	Y
7	IC 240-664444/10	50.0	11.757106	25.0	1198556.0	0.235142	Y
8	IC 240-664444/11	75.0	19.290916	25.0	1203617.0	0.257212	Y
9	IC 240-664444/12	100.0	27.09494	25.0	1206192.0	0.270949	N



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Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

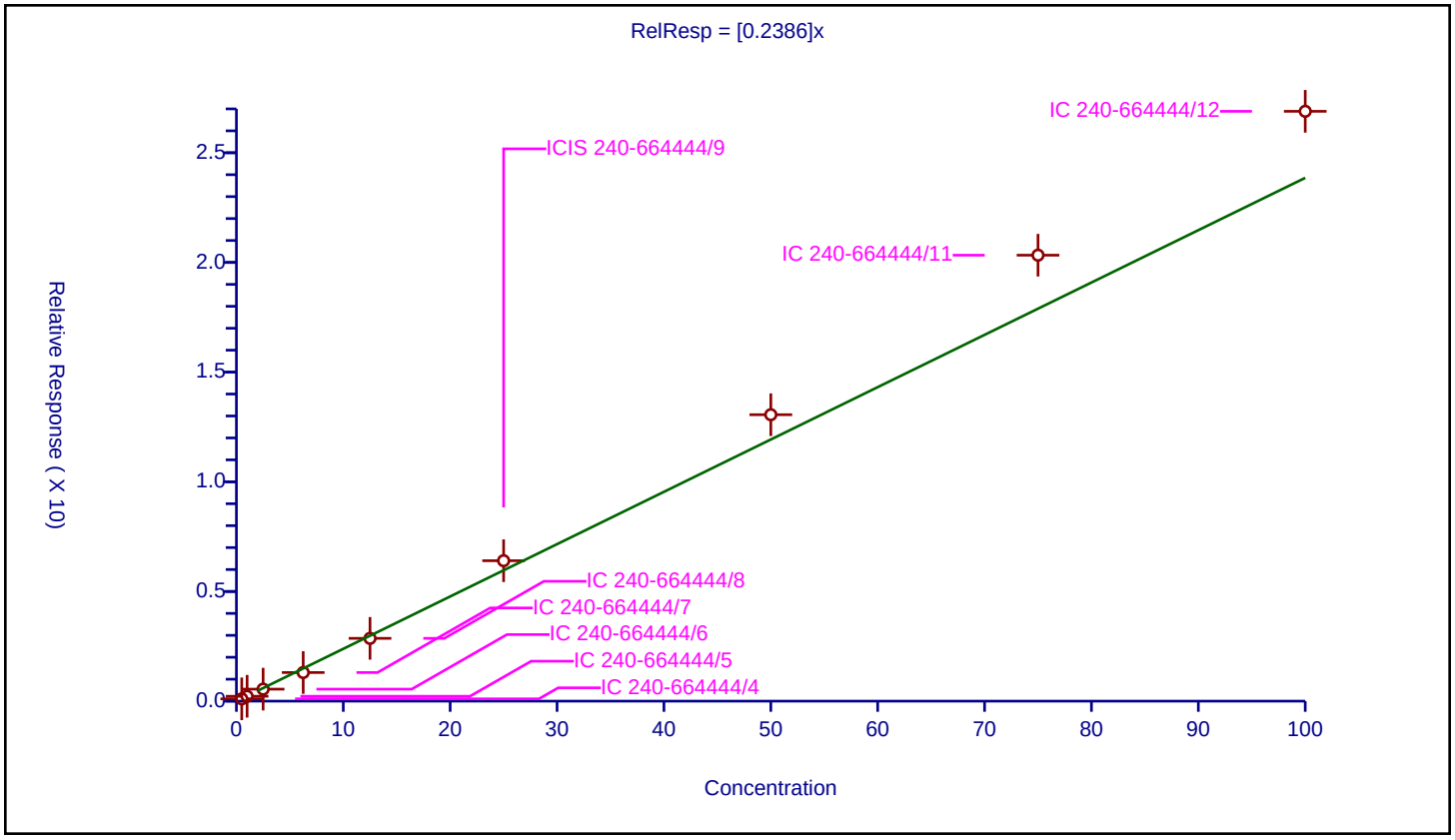
Curve Coefficients

Intercept:	0
Slope:	0.2386

Error Coefficients

Relative Standard Deviation:	10.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.105237	25.0	1123416.0	0.210474	Y
2	IC 240-664444/5	1.0	0.222702	25.0	1126954.0	0.222702	Y
3	IC 240-664444/6	2.5	0.547314	25.0	1109190.0	0.218926	Y
4	IC 240-664444/7	6.25	1.304462	25.0	1144303.0	0.208714	Y
5	IC 240-664444/8	12.5	2.86198	25.0	1157669.0	0.228958	Y
6	ICIS 240-664444/9	25.0	6.402409	25.0	1135393.0	0.256096	Y
7	IC 240-664444/10	50.0	13.057775	25.0	1198556.0	0.261156	Y
8	IC 240-664444/11	75.0	20.330387	25.0	1203617.0	0.271072	Y
9	IC 240-664444/12	100.0	26.88977	25.0	1206192.0	0.268898	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

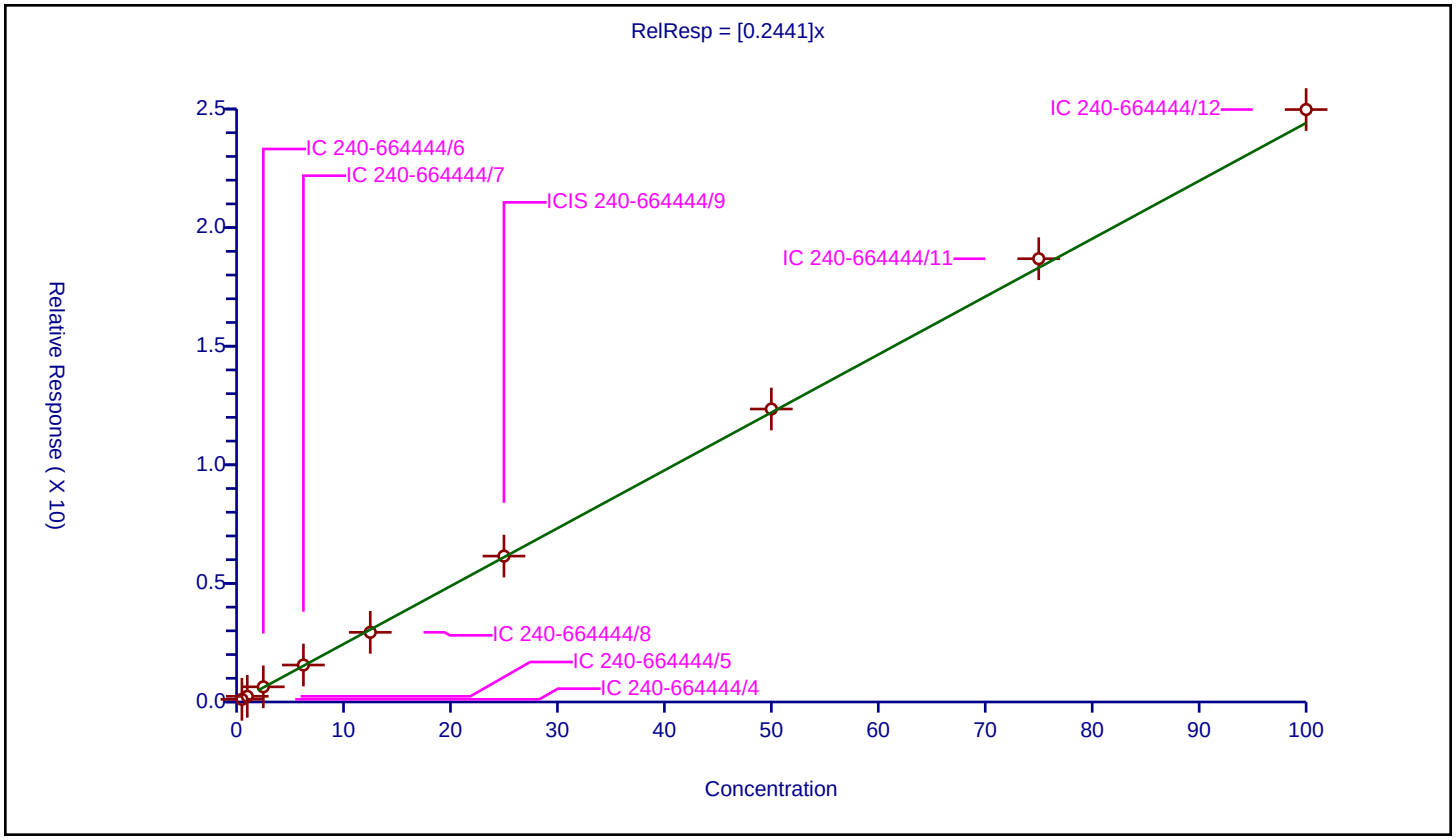
Curve Coefficients

Intercept:	0
Slope:	0.2441

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.112915	25.0	1123416.0	0.225829	Y
2	IC 240-664444/5	1.0	0.23883	25.0	1126954.0	0.23883	Y
3	IC 240-664444/6	2.5	0.639701	25.0	1109190.0	0.25588	Y
4	IC 240-664444/7	6.25	1.559202	25.0	1144303.0	0.249472	Y
5	IC 240-664444/8	12.5	2.937303	25.0	1157669.0	0.234984	Y
6	ICIS 240-664444/9	25.0	6.151086	25.0	1135393.0	0.246043	Y
7	IC 240-664444/10	50.0	12.352009	25.0	1198556.0	0.24704	Y
8	IC 240-664444/11	75.0	18.687984	25.0	1203617.0	0.249173	Y
9	IC 240-664444/12	100.0	24.977823	25.0	1206192.0	0.249778	Y



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Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

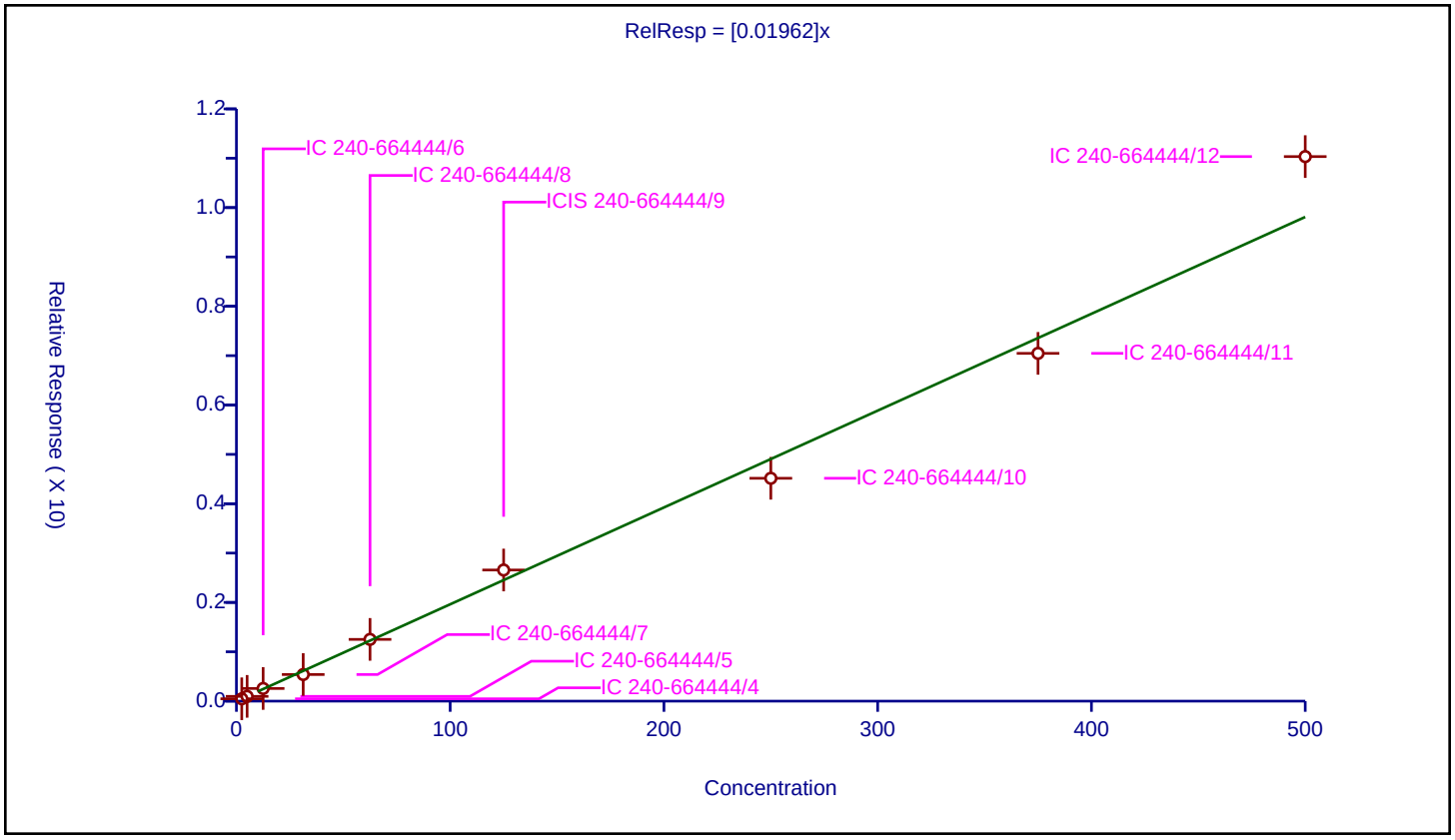
Curve Coefficients

Intercept:	0
Slope:	0.01962

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	2.5	0.047979	25.0	1123416.0	0.019191	Y
2	IC 240-664444/5	5.0	0.096921	25.0	1126954.0	0.019384	Y
3	IC 240-664444/6	12.5	0.256832	25.0	1109190.0	0.020547	Y
4	IC 240-664444/7	31.25	0.539455	25.0	1144303.0	0.017263	Y
5	IC 240-664444/8	62.5	1.251416	25.0	1157669.0	0.020023	Y
6	ICIS 240-664444/9	125.0	2.657032	25.0	1135393.0	0.021256	Y
7	IC 240-664444/10	250.0	4.515788	25.0	1198556.0	0.018063	Y
8	IC 240-664444/11	375.0	7.04676	25.0	1203617.0	0.018791	Y
9	IC 240-664444/12	500.0	11.033401	25.0	1206192.0	0.022067	Y



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Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

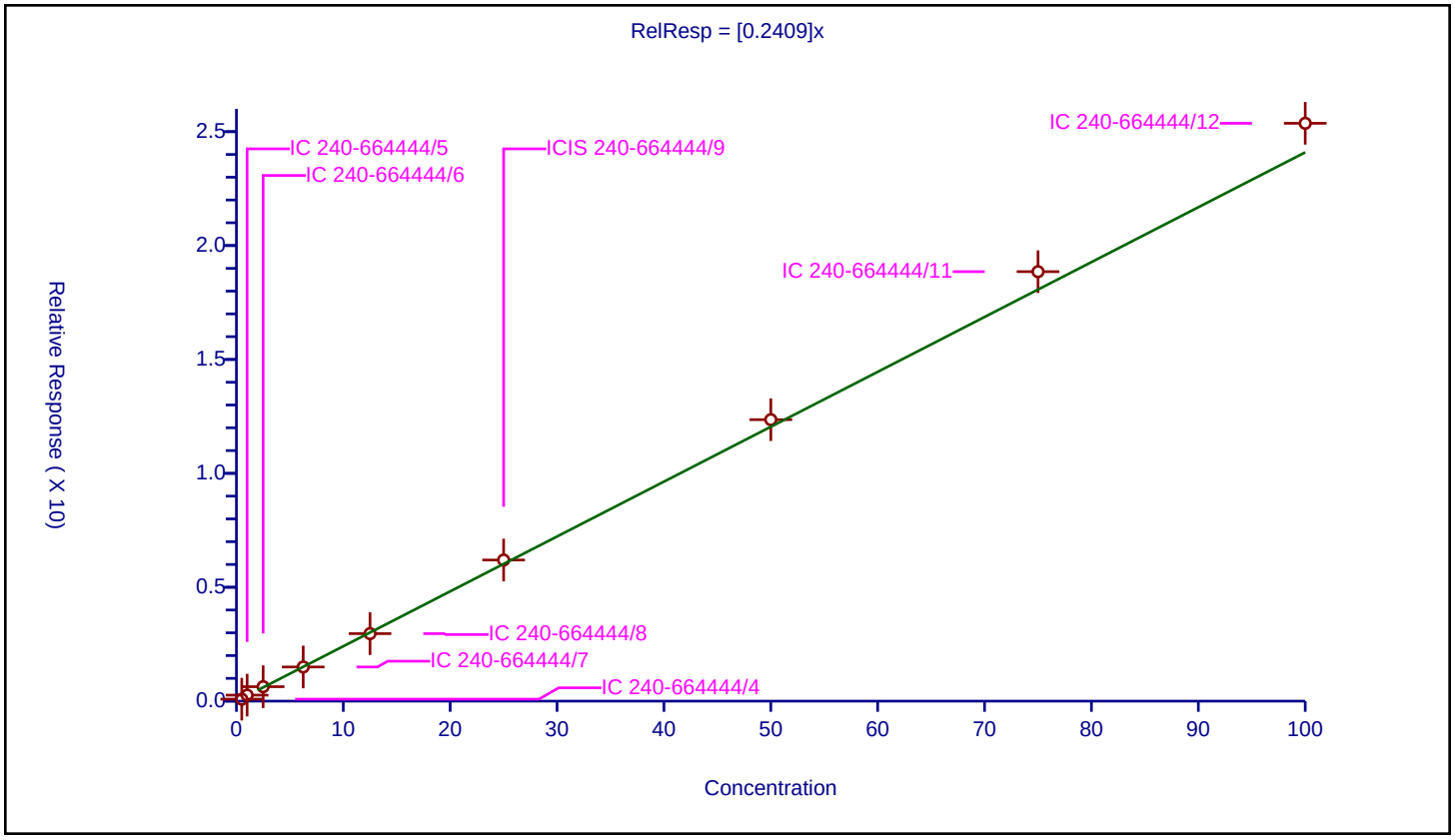
Curve Coefficients

Intercept:	0
Slope:	0.2409

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.087189	25.0	1123416.0	0.174379	Y
2	IC 240-664444/5	1.0	0.26321	25.0	1126954.0	0.26321	Y
3	IC 240-664444/6	2.5	0.634066	25.0	1109190.0	0.253627	Y
4	IC 240-664444/7	6.25	1.499603	25.0	1144303.0	0.239936	Y
5	IC 240-664444/8	12.5	2.96339	25.0	1157669.0	0.237071	Y
6	ICIS 240-664444/9	25.0	6.195674	25.0	1135393.0	0.247827	Y
7	IC 240-664444/10	50.0	12.357287	25.0	1198556.0	0.247146	Y
8	IC 240-664444/11	75.0	18.854316	25.0	1203617.0	0.251391	Y
9	IC 240-664444/12	100.0	25.366981	25.0	1206192.0	0.25367	Y



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Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

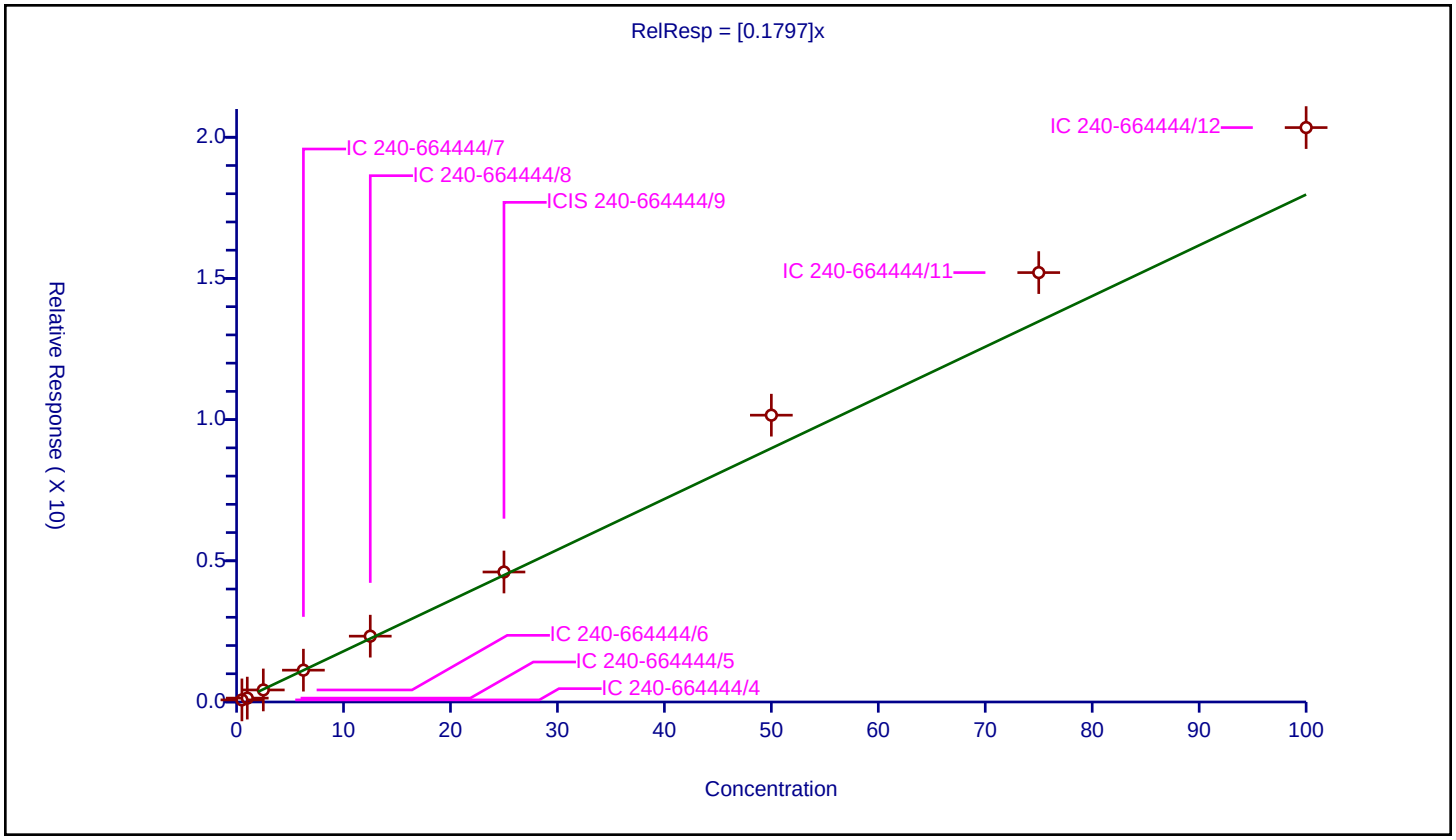
Curve Coefficients

Intercept:	0
Slope:	0.1797

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.074238	25.0	1123416.0	0.148476	Y
2	IC 240-664444/5	1.0	0.137872	25.0	1126954.0	0.137872	Y
3	IC 240-664444/6	2.5	0.426708	25.0	1109190.0	0.170683	Y
4	IC 240-664444/7	6.25	1.127215	25.0	1144303.0	0.180354	Y
5	IC 240-664444/8	12.5	2.330848	25.0	1157669.0	0.186468	Y
6	ICIS 240-664444/9	25.0	4.603296	25.0	1135393.0	0.184132	Y
7	IC 240-664444/10	50.0	10.157807	25.0	1198556.0	0.203156	Y
8	IC 240-664444/11	75.0	15.206768	25.0	1203617.0	0.202757	Y
9	IC 240-664444/12	100.0	20.342263	25.0	1206192.0	0.203423	Y



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Calibration / Acetone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

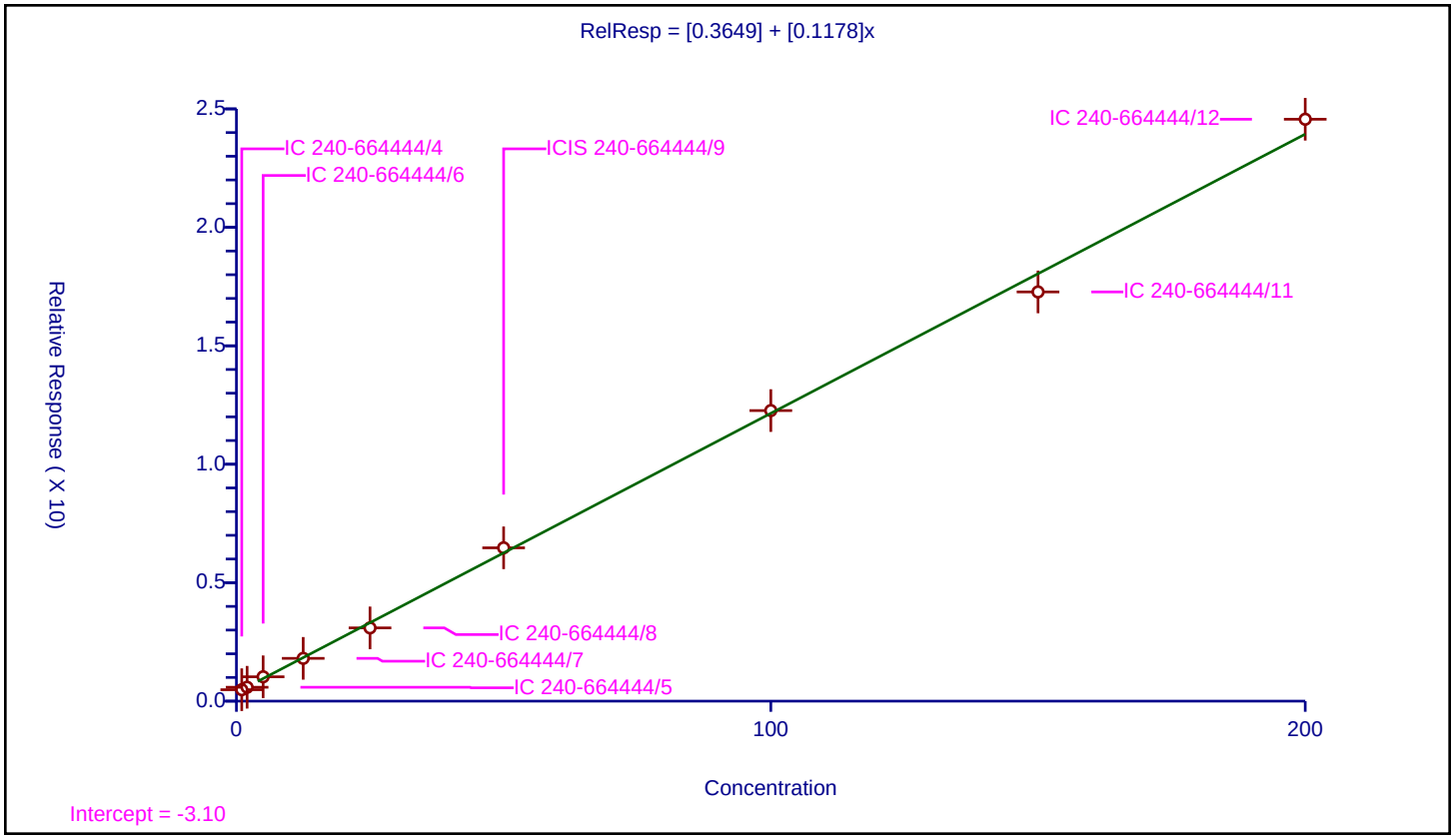
Curve Coefficients

Intercept:	0.3649
Slope:	0.1178

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	1.0	0.483058	25.0	1123416.0	0.483058	Y
2	IC 240-664444/5	2.0	0.586027	25.0	1126954.0	0.293013	Y
3	IC 240-664444/6	5.0	1.02789	25.0	1109190.0	0.205578	Y
4	IC 240-664444/7	12.5	1.80599	25.0	1144303.0	0.144479	Y
5	IC 240-664444/8	25.0	3.091773	25.0	1157669.0	0.123671	Y
6	ICIS 240-664444/9	50.0	6.471768	25.0	1135393.0	0.129435	Y
7	IC 240-664444/10	100.0	12.2648	25.0	1198556.0	0.122648	Y
8	IC 240-664444/11	150.0	17.273996	25.0	1203617.0	0.11516	Y
9	IC 240-664444/12	200.0	24.562611	25.0	1206192.0	0.122813	Y



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Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

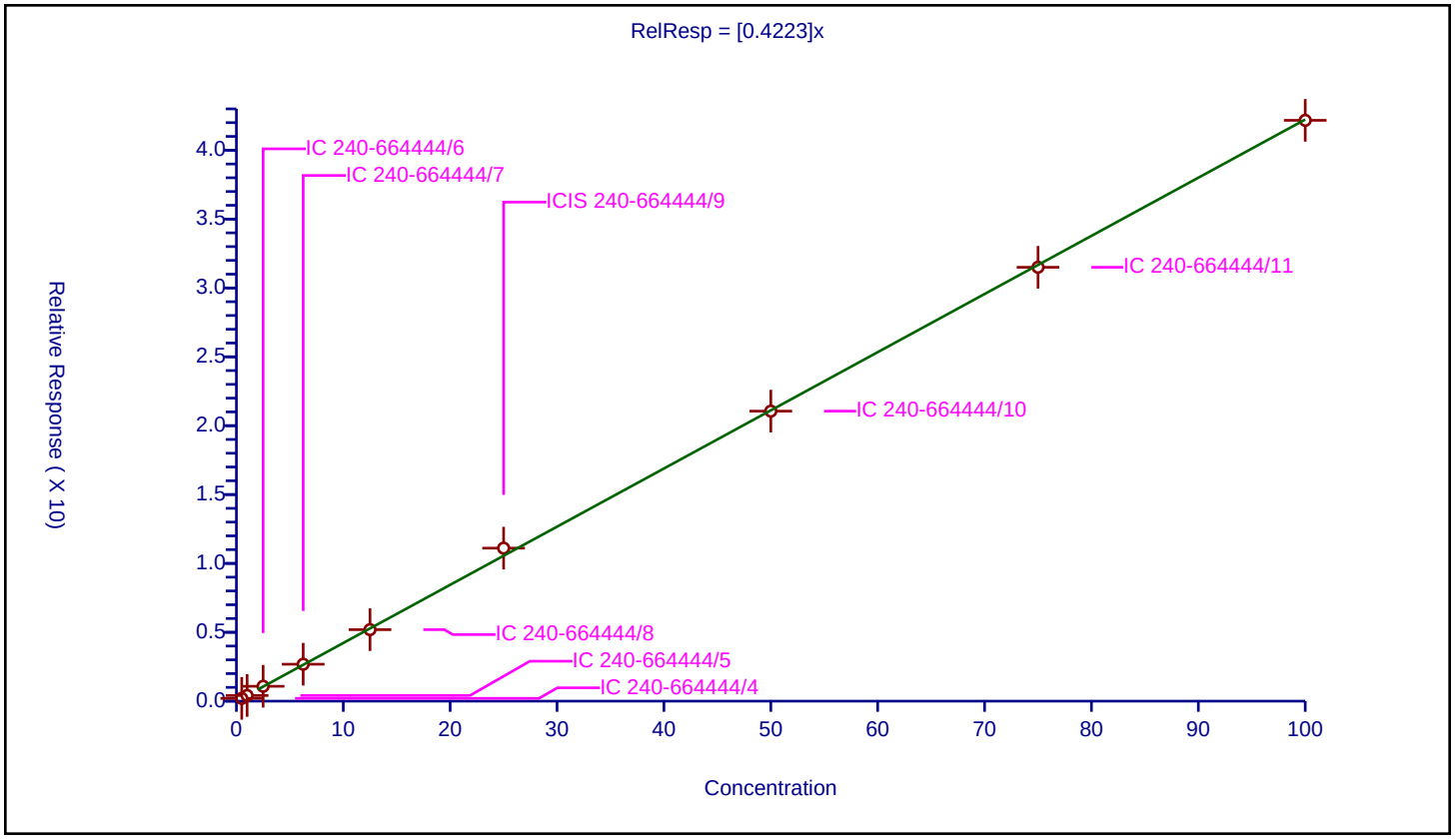
Curve Coefficients

Intercept:	0
Slope:	0.4223

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.202507	25.0	1123416.0	0.405015	Y
2	IC 240-664444/5	1.0	0.411685	25.0	1126954.0	0.411685	Y
3	IC 240-664444/6	2.5	1.080067	25.0	1109190.0	0.432027	Y
4	IC 240-664444/7	6.25	2.681589	25.0	1144303.0	0.429054	Y
5	IC 240-664444/8	12.5	5.191445	25.0	1157669.0	0.415316	Y
6	ICIS 240-664444/9	25.0	11.109215	25.0	1135393.0	0.444369	Y
7	IC 240-664444/10	50.0	21.055253	25.0	1198556.0	0.421105	Y
8	IC 240-664444/11	75.0	31.499929	25.0	1203617.0	0.419999	Y
9	IC 240-664444/12	100.0	42.169323	25.0	1206192.0	0.421693	Y



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Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

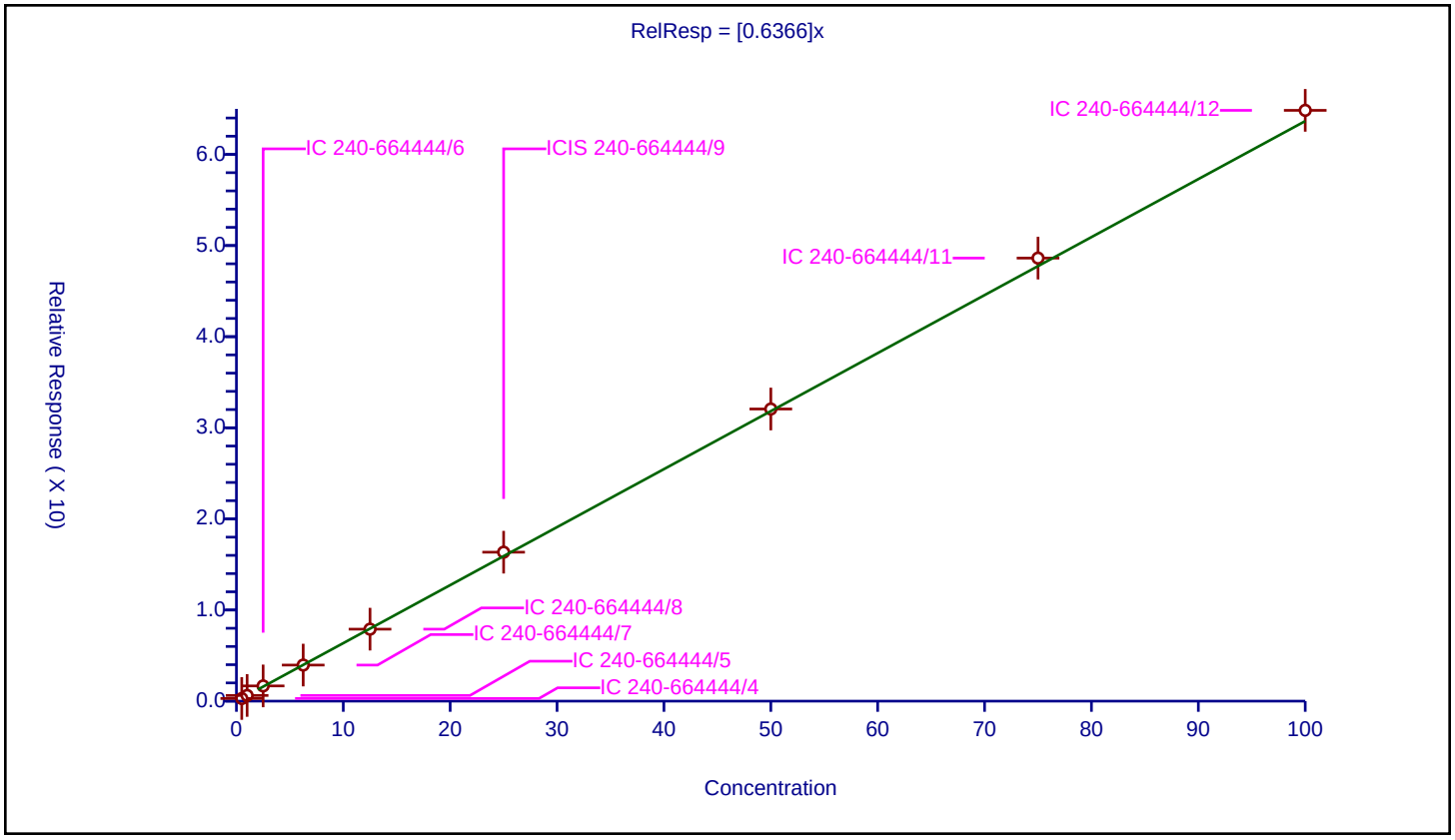
Curve Coefficients

Intercept:	0
Slope:	0.6366

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.289986	25.0	1123416.0	0.579972	Y
2	IC 240-664444/5	1.0	0.623961	25.0	1126954.0	0.623961	Y
3	IC 240-664444/6	2.5	1.670386	25.0	1109190.0	0.668154	Y
4	IC 240-664444/7	6.25	3.959506	25.0	1144303.0	0.633521	Y
5	IC 240-664444/8	12.5	7.899495	25.0	1157669.0	0.63196	Y
6	ICIS 240-664444/9	25.0	16.346278	25.0	1135393.0	0.653851	Y
7	IC 240-664444/10	50.0	32.060872	25.0	1198556.0	0.641217	Y
8	IC 240-664444/11	75.0	48.623358	25.0	1203617.0	0.648311	Y
9	IC 240-664444/12	100.0	64.837874	25.0	1206192.0	0.648379	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

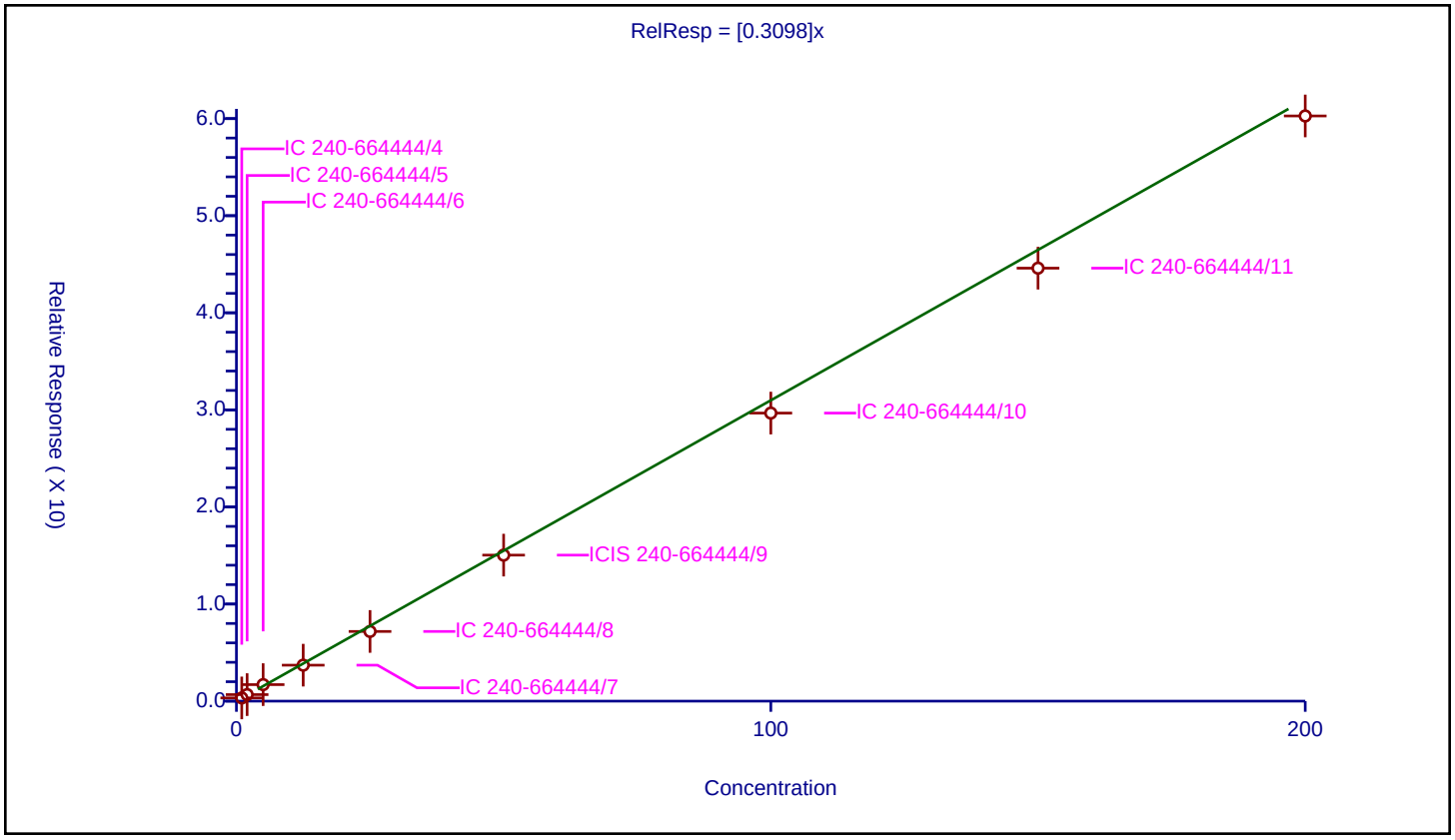
Curve Coefficients

Intercept:	0
Slope:	0.3098

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	1.0	0.331355	25.0	1123416.0	0.331355	Y
2	IC 240-664444/5	2.0	0.673918	25.0	1126954.0	0.336959	Y
3	IC 240-664444/6	5.0	1.702797	25.0	1109190.0	0.340559	Y
4	IC 240-664444/7	12.5	3.705422	25.0	1144303.0	0.296434	Y
5	IC 240-664444/8	25.0	7.178628	25.0	1157669.0	0.287145	Y
6	ICIS 240-664444/9	50.0	15.038758	25.0	1135393.0	0.300775	Y
7	IC 240-664444/10	100.0	29.670808	25.0	1198556.0	0.296708	Y
8	IC 240-664444/11	150.0	44.595415	25.0	1203617.0	0.297303	Y
9	IC 240-664444/12	200.0	60.272722	25.0	1206192.0	0.301364	Y



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Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

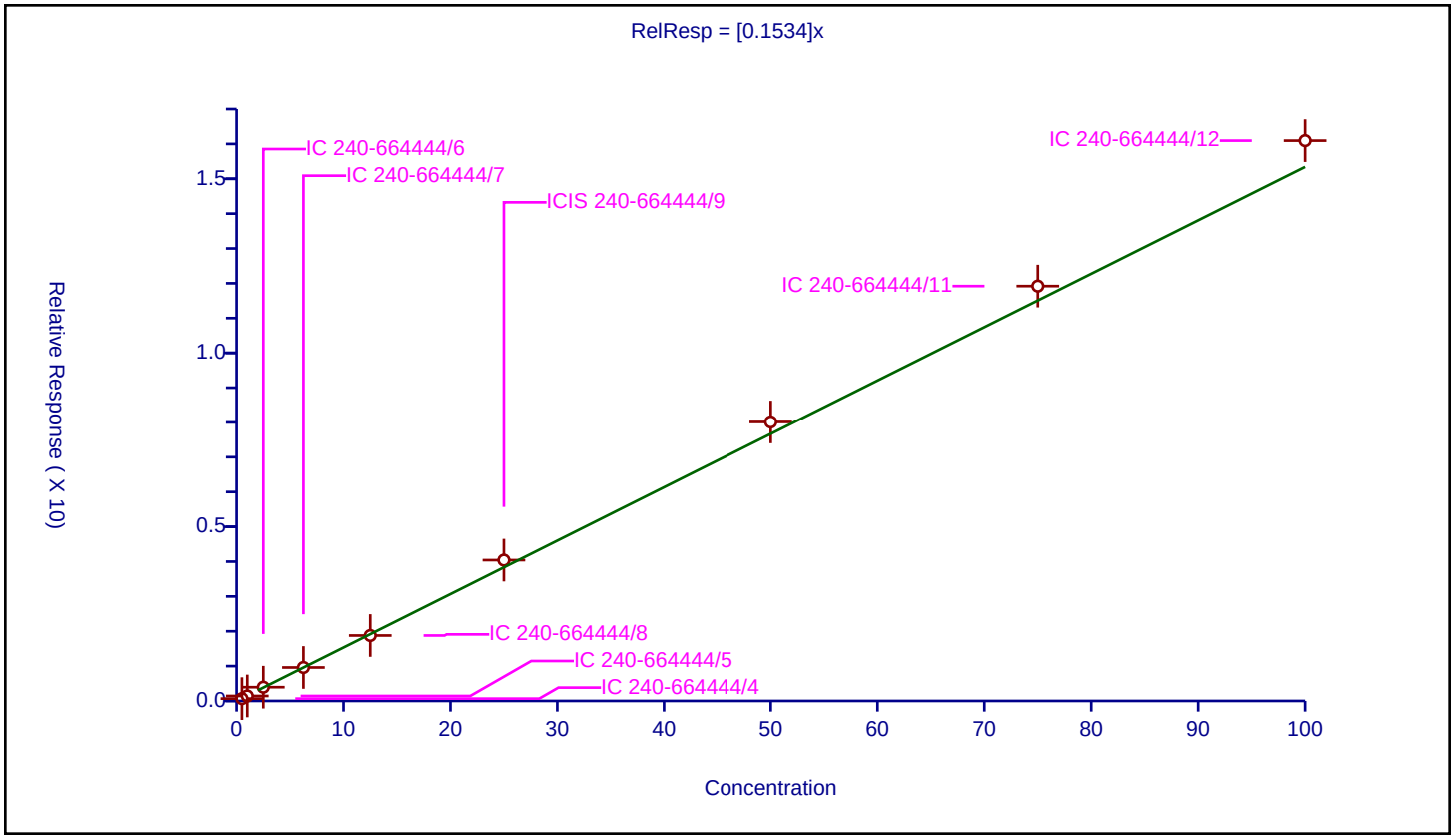
Curve Coefficients

Intercept:	0
Slope:	0.1534

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.066761	25.0	1123416.0	0.133521	Y
2	IC 240-664444/5	1.0	0.143329	25.0	1126954.0	0.143329	Y
3	IC 240-664444/6	2.5	0.395041	25.0	1109190.0	0.158016	Y
4	IC 240-664444/7	6.25	0.960323	25.0	1144303.0	0.153652	Y
5	IC 240-664444/8	12.5	1.879099	25.0	1157669.0	0.150328	Y
6	ICIS 240-664444/9	25.0	4.04327	25.0	1135393.0	0.161731	Y
7	IC 240-664444/10	50.0	8.012976	25.0	1198556.0	0.16026	Y
8	IC 240-664444/11	75.0	11.919614	25.0	1203617.0	0.158928	Y
9	IC 240-664444/12	100.0	16.094556	25.0	1206192.0	0.160946	Y



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Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

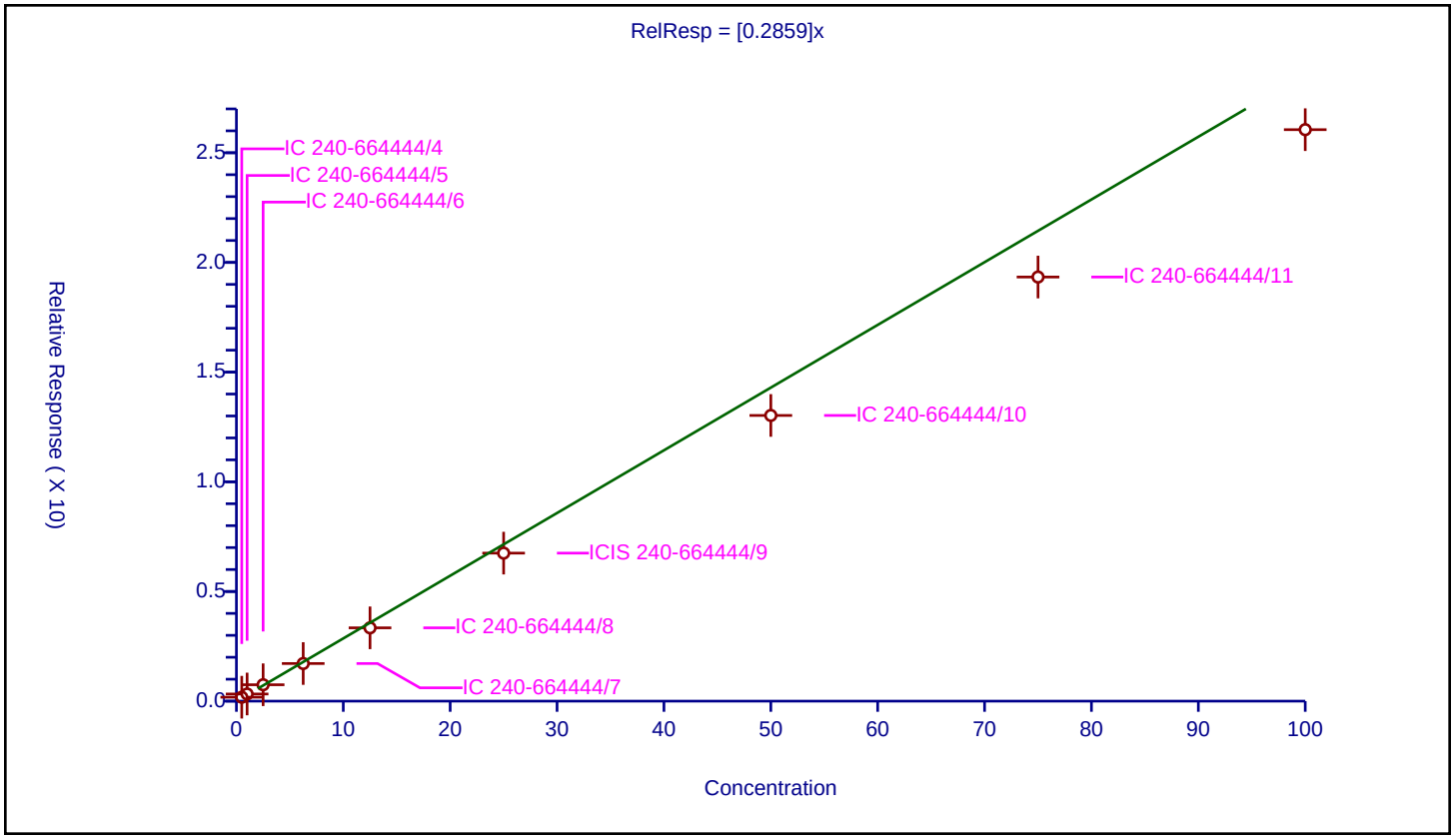
Curve Coefficients

Intercept:	0
Slope:	0.2859

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.178629	25.0	1123416.0	0.357259	Y
2	IC 240-664444/5	1.0	0.325989	25.0	1126954.0	0.325989	Y
3	IC 240-664444/6	2.5	0.747437	25.0	1109190.0	0.298975	Y
4	IC 240-664444/7	6.25	1.715651	25.0	1144303.0	0.274504	Y
5	IC 240-664444/8	12.5	3.341758	25.0	1157669.0	0.267341	Y
6	ICIS 240-664444/9	25.0	6.748368	25.0	1135393.0	0.269935	Y
7	IC 240-664444/10	50.0	13.024318	25.0	1198556.0	0.260486	Y
8	IC 240-664444/11	75.0	19.33414	25.0	1203617.0	0.257789	Y
9	IC 240-664444/12	100.0	26.053253	25.0	1206192.0	0.260533	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

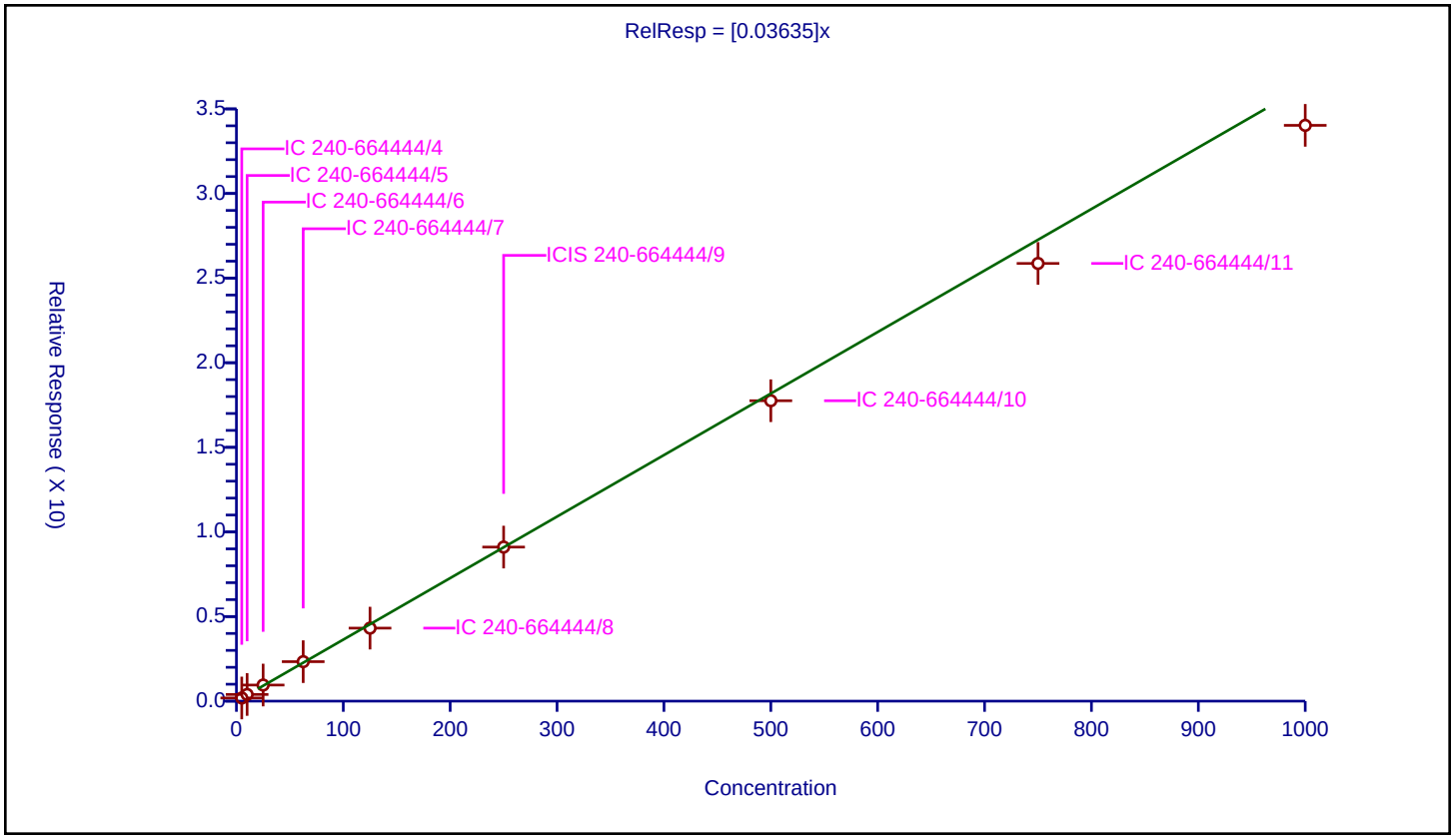
Curve Coefficients

Intercept:	0
Slope:	0.03635

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	5.0	0.187286	25.0	1123416.0	0.037457	Y
2	IC 240-664444/5	10.0	0.393672	25.0	1126954.0	0.039367	Y
3	IC 240-664444/6	25.0	0.952091	25.0	1109190.0	0.038084	Y
4	IC 240-664444/7	62.5	2.332796	25.0	1144303.0	0.037325	Y
5	IC 240-664444/8	125.0	4.314446	25.0	1157669.0	0.034516	Y
6	ICIS 240-664444/9	250.0	9.104226	25.0	1135393.0	0.036417	Y
7	IC 240-664444/10	500.0	17.753906	25.0	1198556.0	0.035508	Y
8	IC 240-664444/11	750.0	25.866762	25.0	1203617.0	0.034489	Y
9	IC 240-664444/12	1000.0	34.026942	25.0	1206192.0	0.034027	Y



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Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

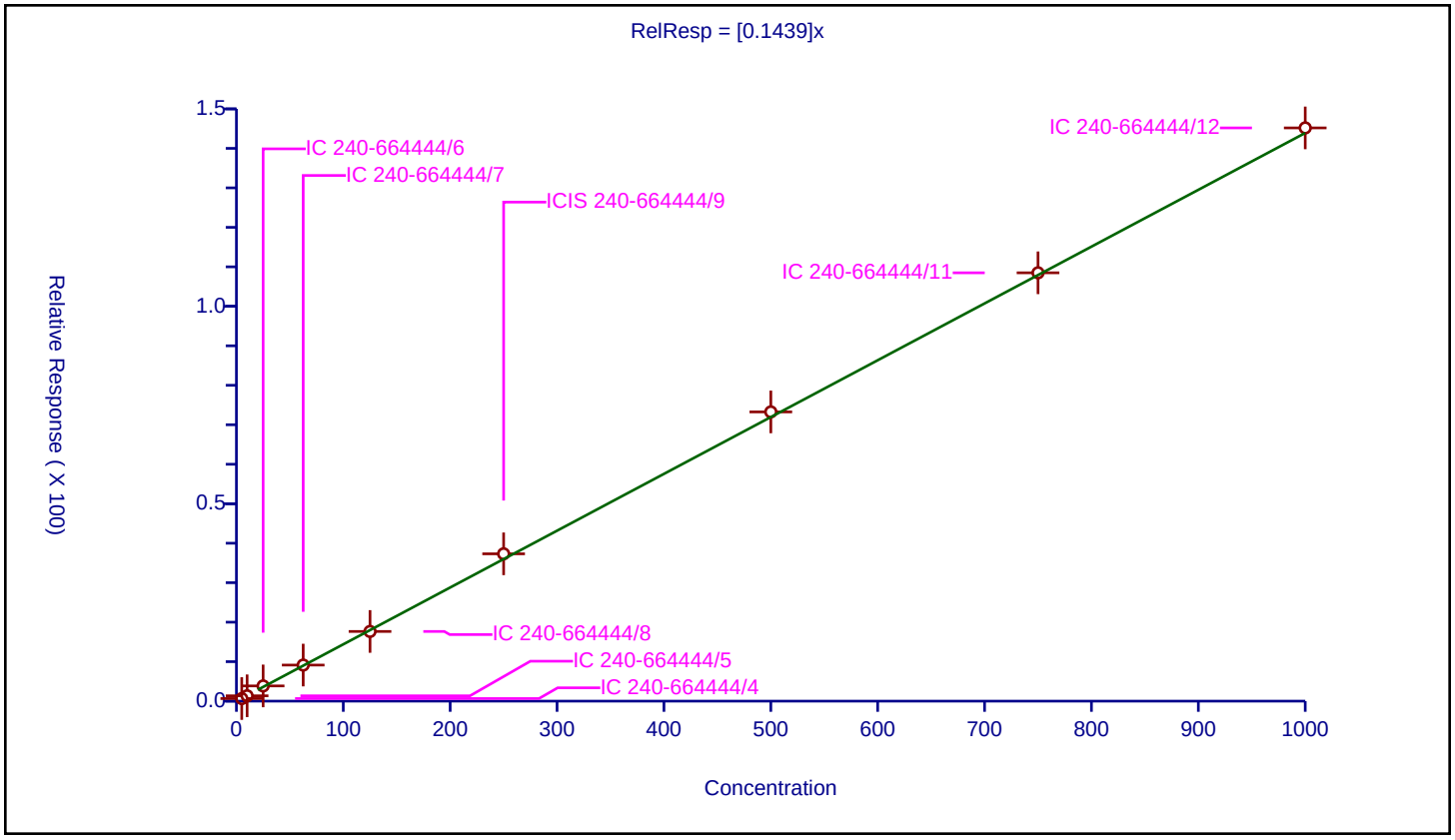
Curve Coefficients

Intercept:	0
Slope:	0.1439

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	5.0	0.660641	25.0	1123416.0	0.132128	Y
2	IC 240-664444/5	10.0	1.355778	25.0	1126954.0	0.135578	Y
3	IC 240-664444/6	25.0	3.85759	25.0	1109190.0	0.154304	Y
4	IC 240-664444/7	62.5	9.137484	25.0	1144303.0	0.1462	Y
5	IC 240-664444/8	125.0	17.651721	25.0	1157669.0	0.141214	Y
6	ICIS 240-664444/9	250.0	37.315031	25.0	1135393.0	0.14926	Y
7	IC 240-664444/10	500.0	73.254879	25.0	1198556.0	0.14651	Y
8	IC 240-664444/11	750.0	108.48532	25.0	1203617.0	0.144647	Y
9	IC 240-664444/12	1000.0	145.186338	25.0	1206192.0	0.145186	Y



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Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

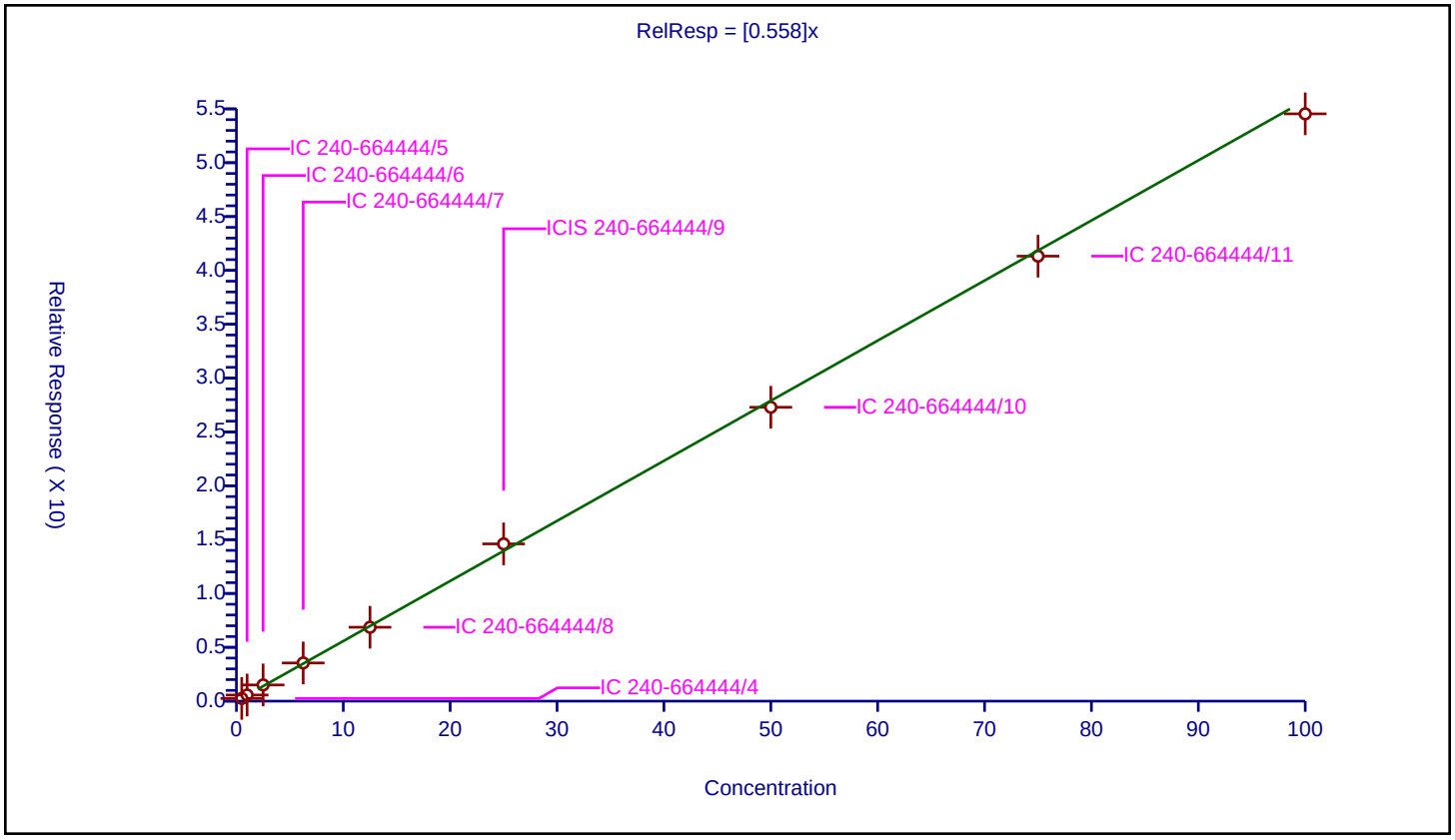
Curve Coefficients

Intercept:	0
Slope:	0.558

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.252867	25.0	1123416.0	0.505734	Y
2	IC 240-664444/5	1.0	0.571119	25.0	1126954.0	0.571119	Y
3	IC 240-664444/6	2.5	1.504724	25.0	1109190.0	0.60189	Y
4	IC 240-664444/7	6.25	3.546919	25.0	1144303.0	0.567507	Y
5	IC 240-664444/8	12.5	6.86159	25.0	1157669.0	0.548927	Y
6	ICIS 240-664444/9	25.0	14.605009	25.0	1135393.0	0.5842	Y
7	IC 240-664444/10	50.0	27.293635	25.0	1198556.0	0.545873	Y
8	IC 240-664444/11	75.0	41.325438	25.0	1203617.0	0.551006	Y
9	IC 240-664444/12	100.0	54.539078	25.0	1206192.0	0.545391	Y



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Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

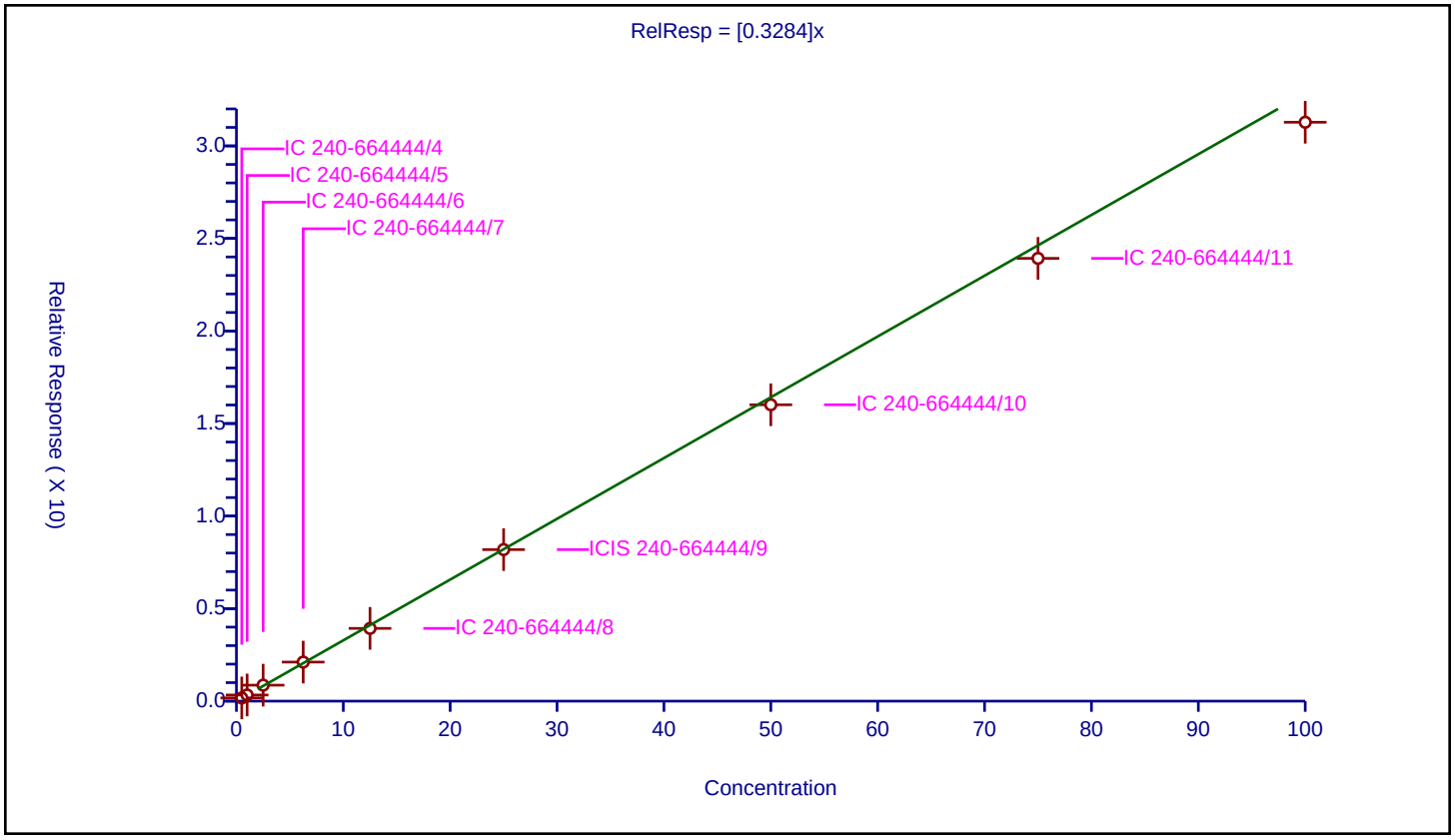
Curve Coefficients

Intercept:	0
Slope:	0.3284

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.173199	25.0	1123416.0	0.346399	Y
2	IC 240-664444/5	1.0	0.331979	25.0	1126954.0	0.331979	Y
3	IC 240-664444/6	2.5	0.862679	25.0	1109190.0	0.345072	Y
4	IC 240-664444/7	6.25	2.111023	25.0	1144303.0	0.337764	Y
5	IC 240-664444/8	12.5	3.93083	25.0	1157669.0	0.314466	Y
6	ICIS 240-664444/9	25.0	8.187143	25.0	1135393.0	0.327486	Y
7	IC 240-664444/10	50.0	16.013707	25.0	1198556.0	0.320274	Y
8	IC 240-664444/11	75.0	23.924014	25.0	1203617.0	0.318987	Y
9	IC 240-664444/12	100.0	31.279141	25.0	1206192.0	0.312791	Y



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Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

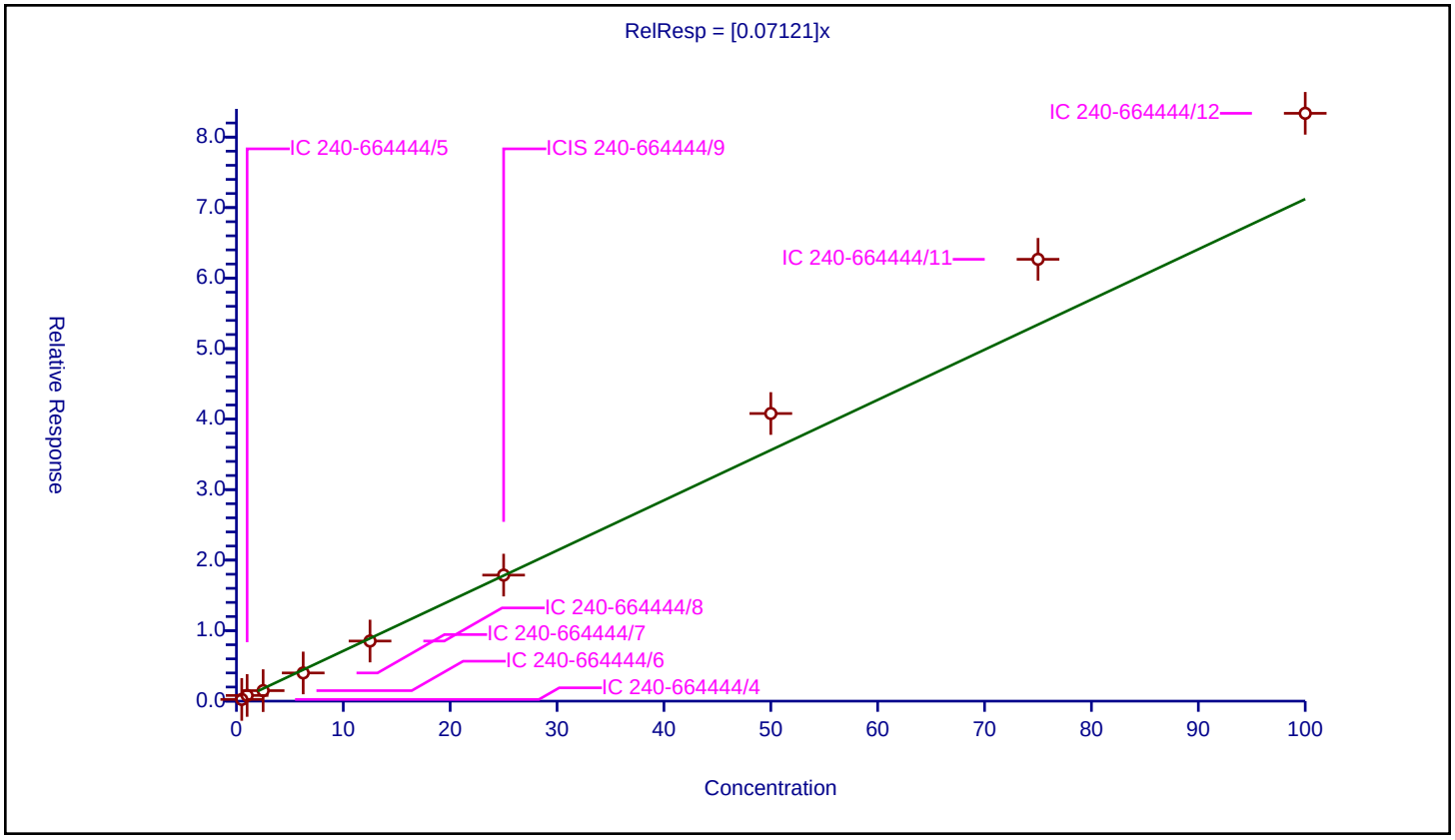
Curve Coefficients

Intercept:	0
Slope:	0.07121

Error Coefficients

Relative Standard Deviation:	17.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.024234	25.0	1123416.0	0.048468	Y
2	IC 240-664444/5	1.0	0.080593	25.0	1126954.0	0.080593	Y
3	IC 240-664444/6	2.5	0.14905	25.0	1109190.0	0.05962	Y
4	IC 240-664444/7	6.25	0.399981	25.0	1144303.0	0.063997	Y
5	IC 240-664444/8	12.5	0.852424	25.0	1157669.0	0.068194	Y
6	ICIS 240-664444/9	25.0	1.787839	25.0	1135393.0	0.071514	Y
7	IC 240-664444/10	50.0	4.079492	25.0	1198556.0	0.08159	Y
8	IC 240-664444/11	75.0	6.266674	25.0	1203617.0	0.083556	Y
9	IC 240-664444/12	100.0	8.337188	25.0	1206192.0	0.083372	Y



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Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

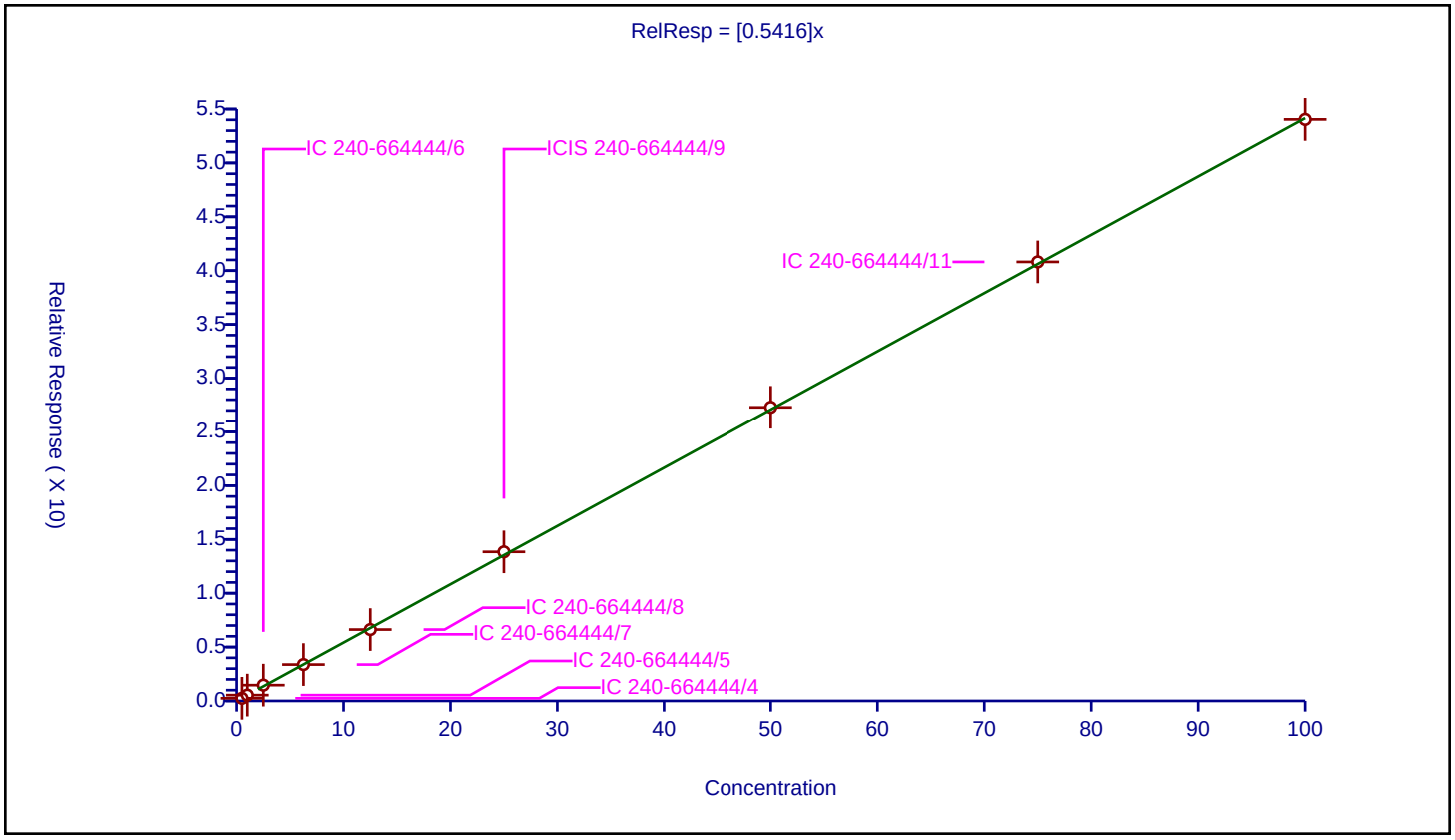
Curve Coefficients

Intercept:	0
Slope:	0.5416

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.246102	25.0	1123416.0	0.492204	Y
2	IC 240-664444/5	1.0	0.541593	25.0	1126954.0	0.541593	Y
3	IC 240-664444/6	2.5	1.466611	25.0	1109190.0	0.586644	Y
4	IC 240-664444/7	6.25	3.374259	25.0	1144303.0	0.539881	Y
5	IC 240-664444/8	12.5	6.624108	25.0	1157669.0	0.529929	Y
6	ICIS 240-664444/9	25.0	13.844347	25.0	1135393.0	0.553774	Y
7	IC 240-664444/10	50.0	27.290861	25.0	1198556.0	0.545817	Y
8	IC 240-664444/11	75.0	40.815745	25.0	1203617.0	0.54421	Y
9	IC 240-664444/12	100.0	54.039158	25.0	1206192.0	0.540392	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

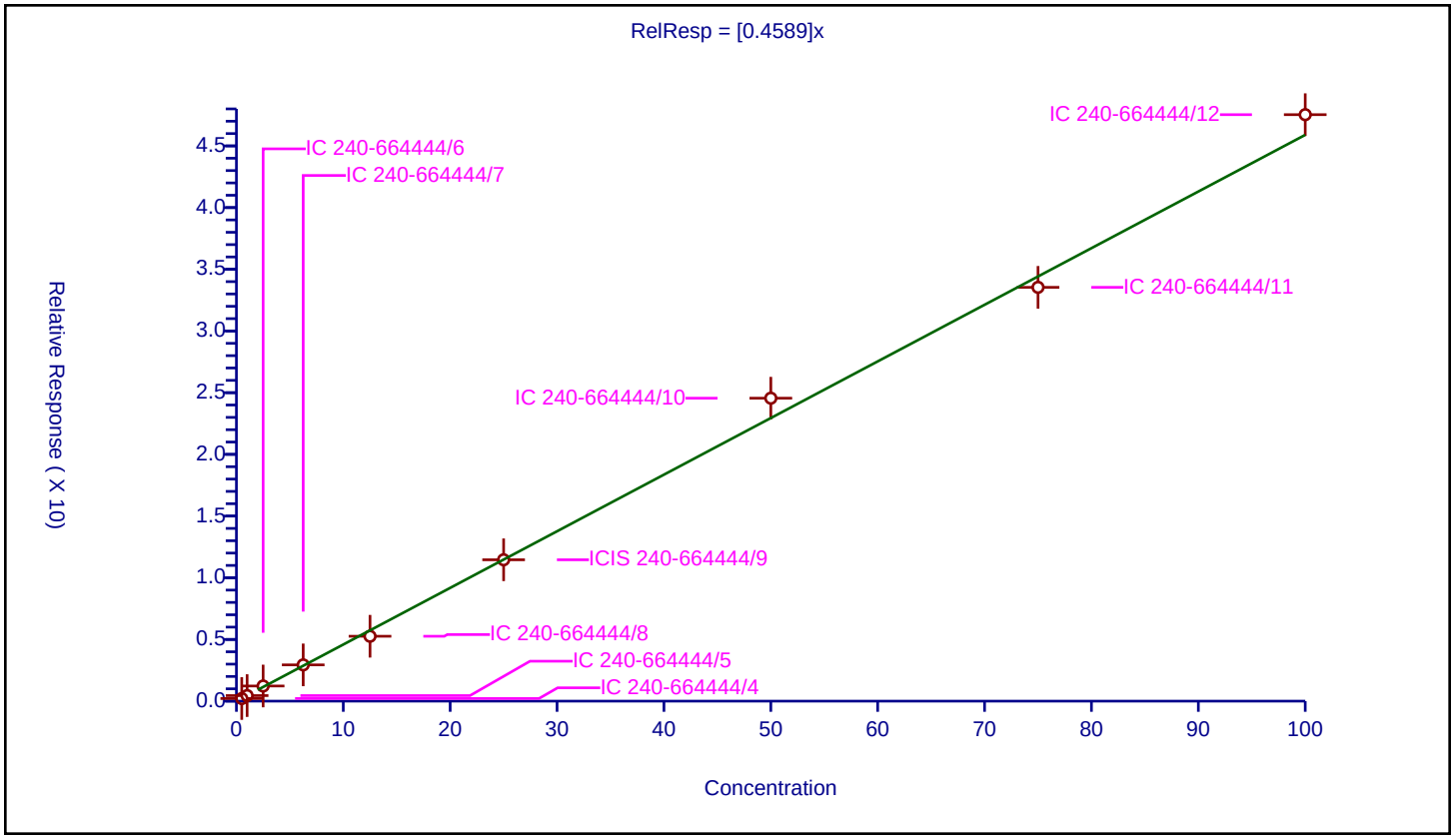
Curve Coefficients

Intercept:	0
Slope:	0.4589

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.213256	25.0	1123416.0	0.426512	Y
2	IC 240-664444/5	1.0	0.45024	25.0	1126954.0	0.45024	Y
3	IC 240-664444/6	2.5	1.226481	25.0	1109190.0	0.490592	Y
4	IC 240-664444/7	6.25	2.938361	25.0	1144303.0	0.470138	Y
5	IC 240-664444/8	12.5	5.260182	25.0	1157669.0	0.420815	Y
6	ICIS 240-664444/9	25.0	11.457773	25.0	1135393.0	0.458311	Y
7	IC 240-664444/10	50.0	24.553463	25.0	1198556.0	0.491069	Y
8	IC 240-664444/11	75.0	33.537973	25.0	1203617.0	0.447173	Y
9	IC 240-664444/12	100.0	47.531591	25.0	1206192.0	0.475316	Y



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Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

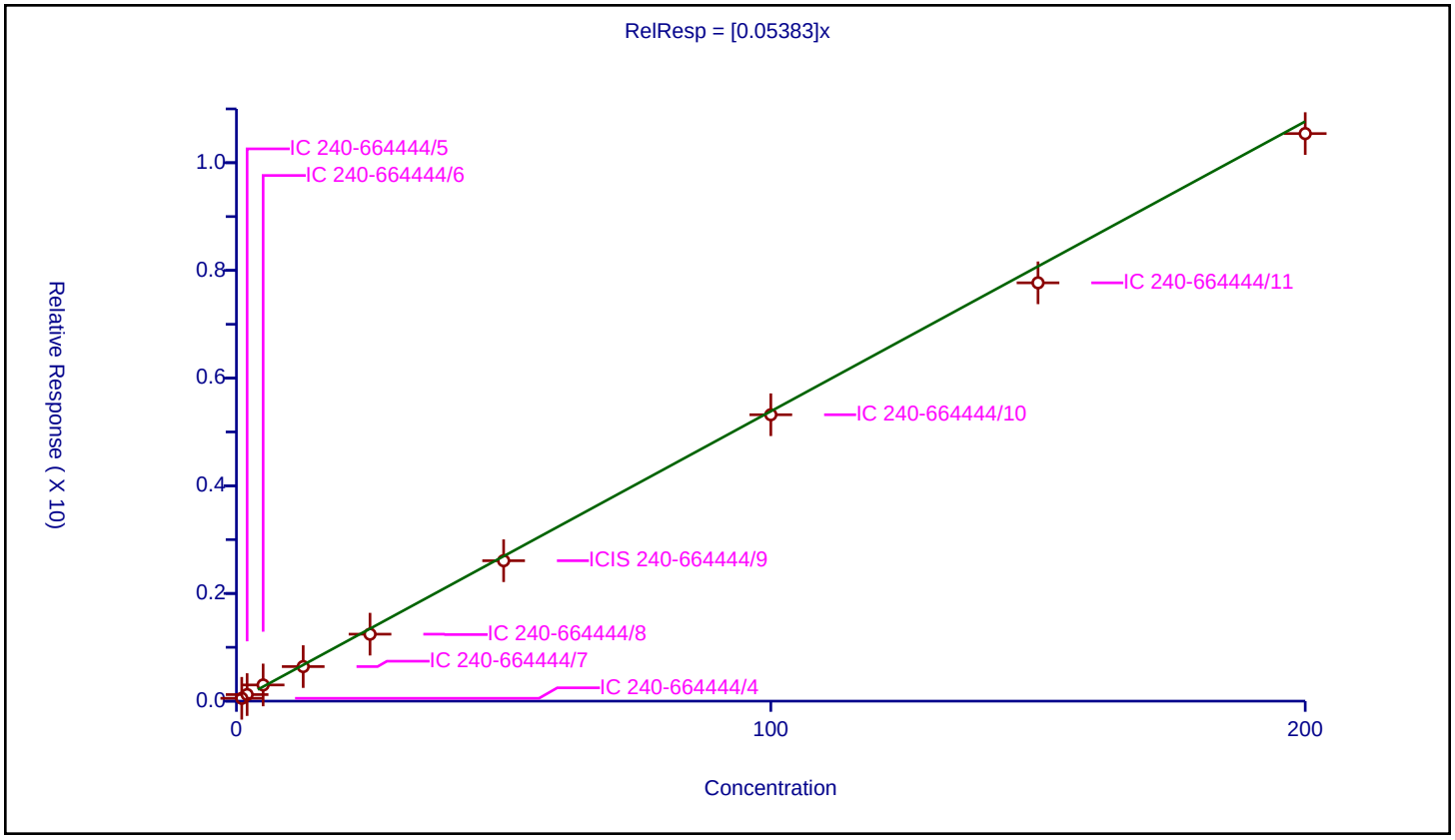
Curve Coefficients

Intercept:	0
Slope:	0.05383

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	1.0	0.052474	25.0	1123416.0	0.052474	Y
2	IC 240-664444/5	2.0	0.121855	25.0	1126954.0	0.060928	Y
3	IC 240-664444/6	5.0	0.300625	25.0	1109190.0	0.060125	Y
4	IC 240-664444/7	12.5	0.641854	25.0	1144303.0	0.051348	Y
5	IC 240-664444/8	25.0	1.244073	25.0	1157669.0	0.049763	Y
6	ICIS 240-664444/9	50.0	2.607996	25.0	1135393.0	0.05216	Y
7	IC 240-664444/10	100.0	5.319693	25.0	1198556.0	0.053197	Y
8	IC 240-664444/11	150.0	7.769768	25.0	1203617.0	0.051798	Y
9	IC 240-664444/12	200.0	10.541543	25.0	1206192.0	0.052708	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

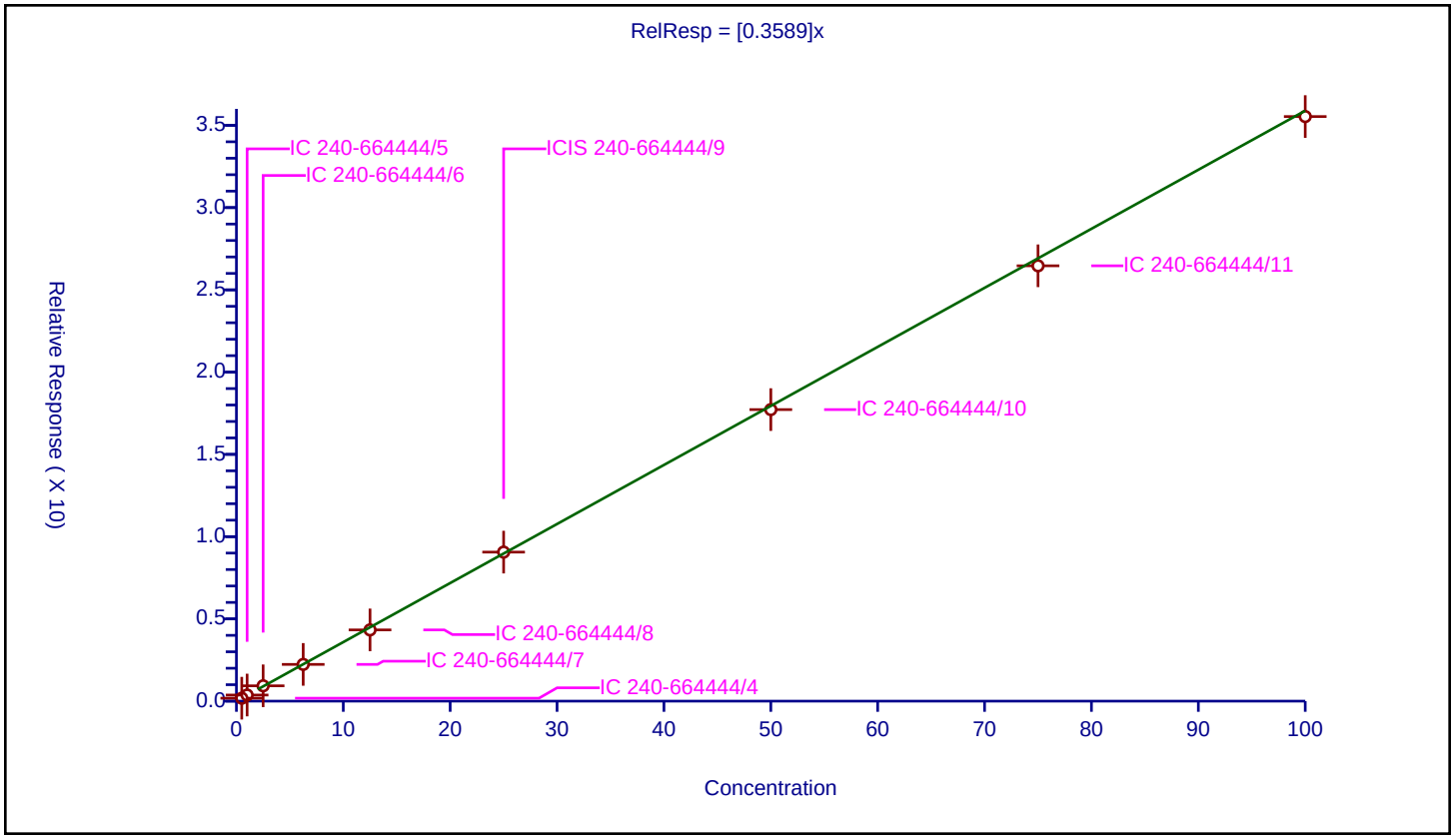
Curve Coefficients

Intercept:	0
Slope:	0.3589

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.178852	25.0	1123416.0	0.357704	Y
2	IC 240-664444/5	1.0	0.371089	25.0	1126954.0	0.371089	Y
3	IC 240-664444/6	2.5	0.931017	25.0	1109190.0	0.372407	Y
4	IC 240-664444/7	6.25	2.233303	25.0	1144303.0	0.357328	Y
5	IC 240-664444/8	12.5	4.330318	25.0	1157669.0	0.346425	Y
6	ICIS 240-664444/9	25.0	9.059374	25.0	1135393.0	0.362375	Y
7	IC 240-664444/10	50.0	17.722201	25.0	1198556.0	0.354444	Y
8	IC 240-664444/11	75.0	26.462529	25.0	1203617.0	0.352834	Y
9	IC 240-664444/12	100.0	35.534247	25.0	1206192.0	0.355342	Y



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Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

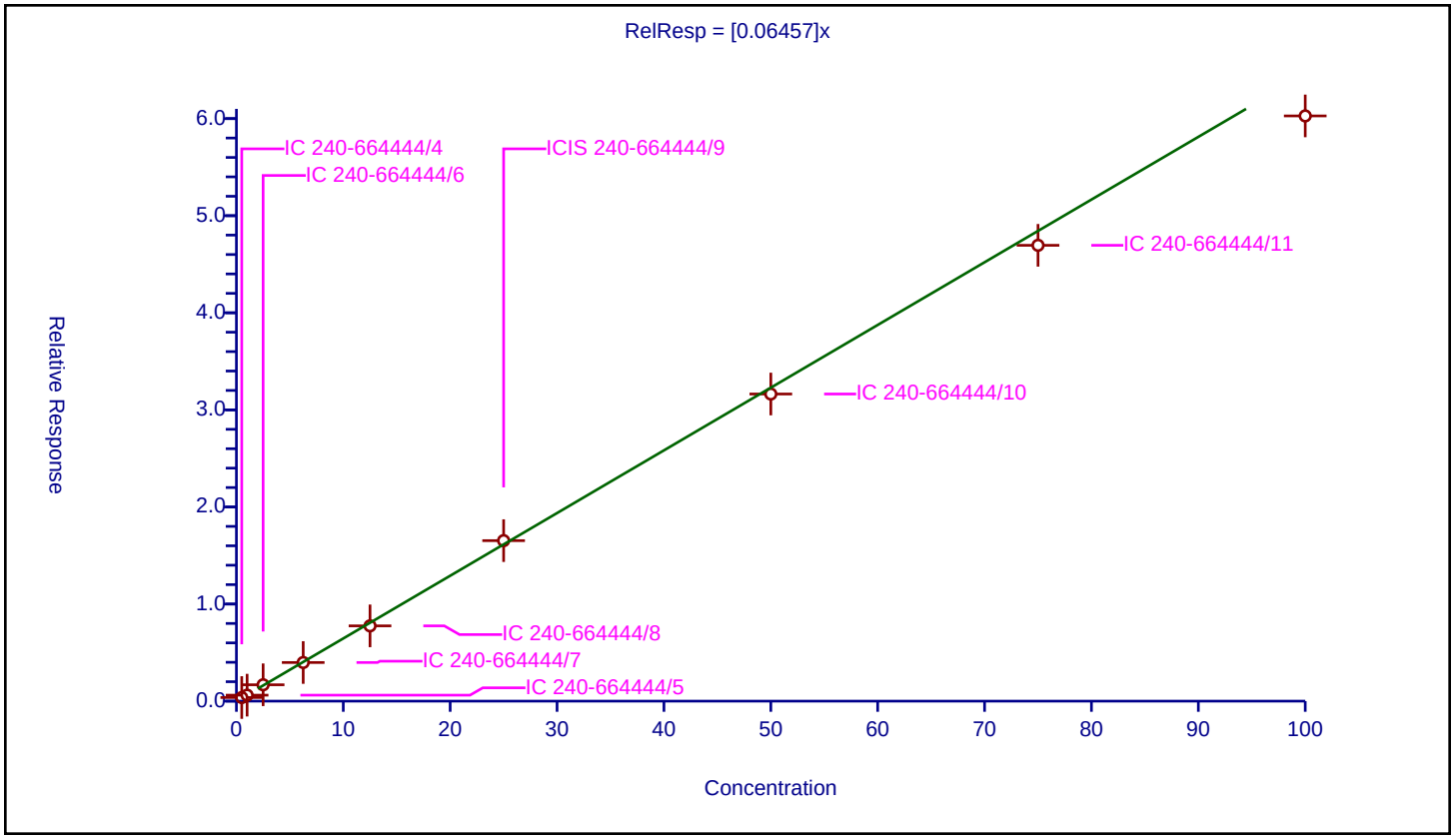
Curve Coefficients

Intercept:	0
Slope:	0.06457

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.037097	25.0	1123416.0	0.074193	Y
2	IC 240-664444/5	1.0	0.061582	25.0	1126954.0	0.061582	Y
3	IC 240-664444/6	2.5	0.168501	25.0	1109190.0	0.067401	Y
4	IC 240-664444/7	6.25	0.397972	25.0	1144303.0	0.063675	Y
5	IC 240-664444/8	12.5	0.775481	25.0	1157669.0	0.062038	Y
6	ICIS 240-664444/9	25.0	1.653282	25.0	1135393.0	0.066131	Y
7	IC 240-664444/10	50.0	3.163244	25.0	1198556.0	0.063265	Y
8	IC 240-664444/11	75.0	4.69489	25.0	1203617.0	0.062599	Y
9	IC 240-664444/12	100.0	6.027564	25.0	1206192.0	0.060276	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

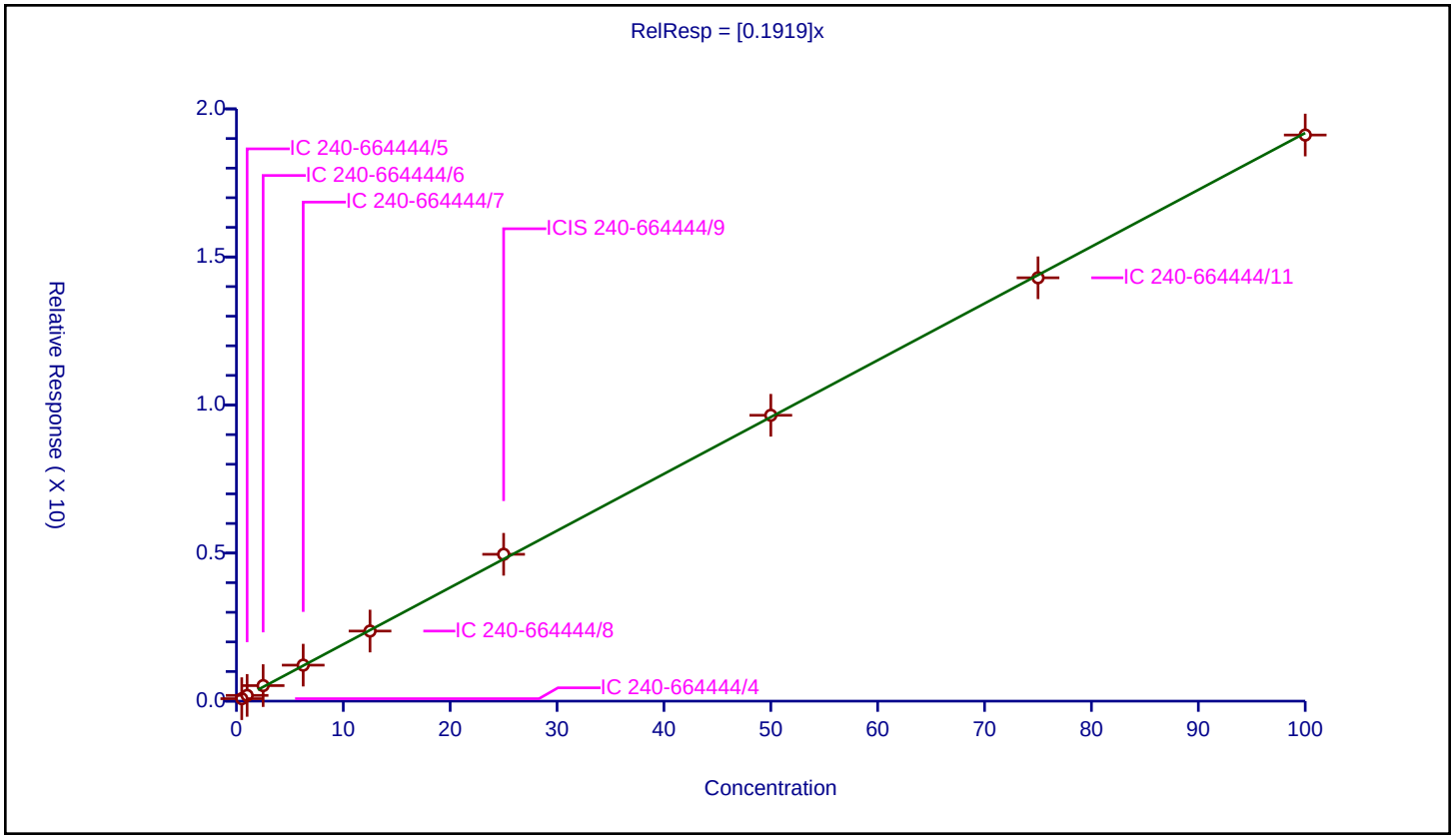
Curve Coefficients

Intercept:	0
Slope:	0.1919

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.082872	25.0	1123416.0	0.165744	Y
2	IC 240-664444/5	1.0	0.194196	25.0	1126954.0	0.194196	Y
3	IC 240-664444/6	2.5	0.524369	25.0	1109190.0	0.209748	Y
4	IC 240-664444/7	6.25	1.215238	25.0	1144303.0	0.194438	Y
5	IC 240-664444/8	12.5	2.366976	25.0	1157669.0	0.189358	Y
6	ICIS 240-664444/9	25.0	4.958988	25.0	1135393.0	0.19836	Y
7	IC 240-664444/10	50.0	9.653512	25.0	1198556.0	0.19307	Y
8	IC 240-664444/11	75.0	14.296637	25.0	1203617.0	0.190622	Y
9	IC 240-664444/12	100.0	19.117272	25.0	1206192.0	0.191173	Y



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Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

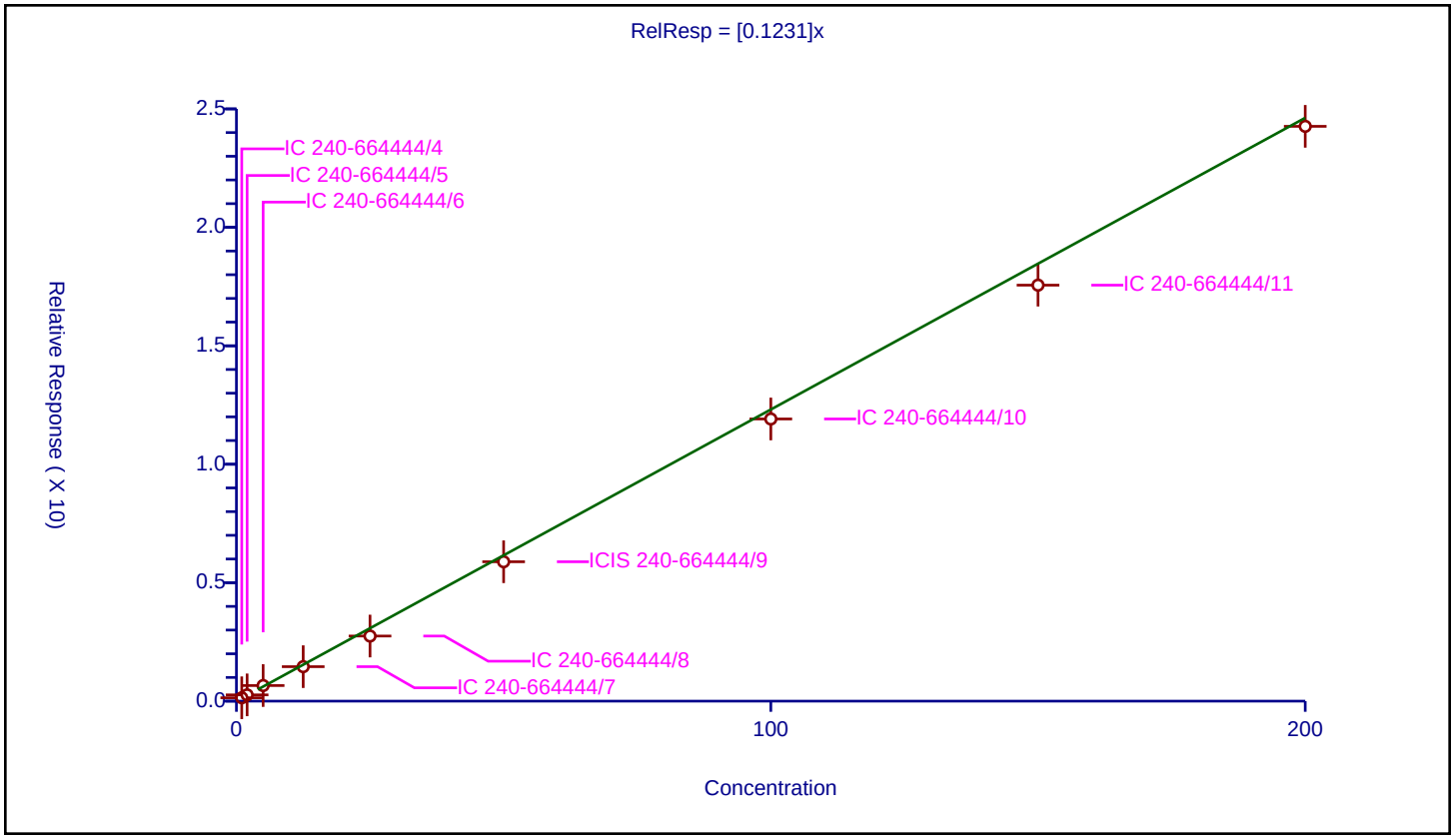
Curve Coefficients

Intercept:	0
Slope:	0.1231

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	1.0	0.142601	25.0	1123416.0	0.142601	Y
2	IC 240-664444/5	2.0	0.264585	25.0	1126954.0	0.132292	Y
3	IC 240-664444/6	5.0	0.657867	25.0	1109190.0	0.131573	Y
4	IC 240-664444/7	12.5	1.4551	25.0	1144303.0	0.116408	Y
5	IC 240-664444/8	25.0	2.748001	25.0	1157669.0	0.10992	Y
6	ICIS 240-664444/9	50.0	5.883602	25.0	1135393.0	0.117672	Y
7	IC 240-664444/10	100.0	11.911	25.0	1198556.0	0.11911	Y
8	IC 240-664444/11	150.0	17.559032	25.0	1203617.0	0.11706	Y
9	IC 240-664444/12	200.0	24.26384	25.0	1206192.0	0.121319	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

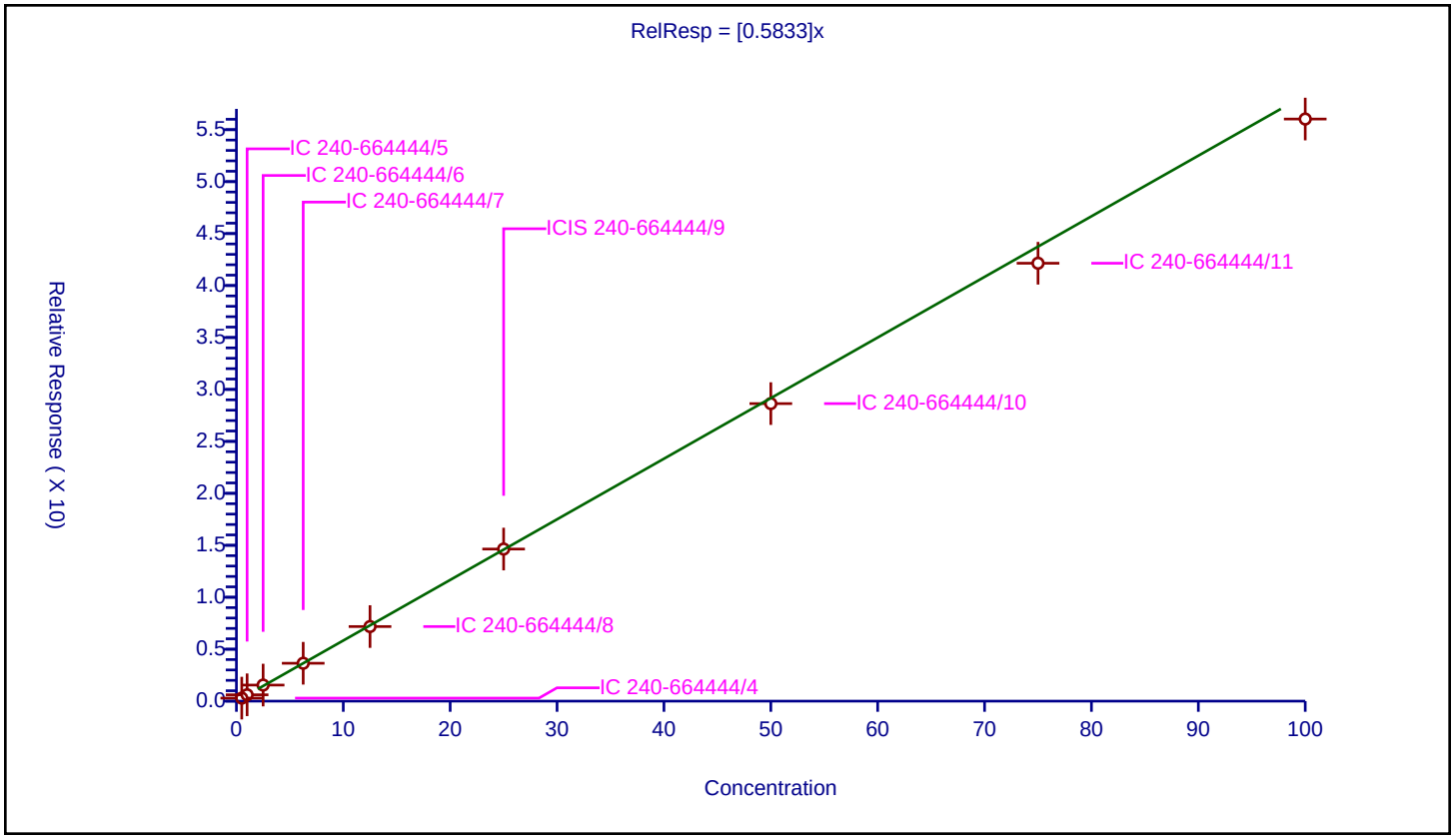
Curve Coefficients

Intercept:	0
Slope:	0.5833

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.289964	25.0	1123416.0	0.579928	Y
2	IC 240-664444/5	1.0	0.612603	25.0	1126954.0	0.612603	Y
3	IC 240-664444/6	2.5	1.547503	25.0	1109190.0	0.619001	Y
4	IC 240-664444/7	6.25	3.645778	25.0	1144303.0	0.583325	Y
5	IC 240-664444/8	12.5	7.17906	25.0	1157669.0	0.574325	Y
6	ICIS 240-664444/9	25.0	14.637112	25.0	1135393.0	0.585484	Y
7	IC 240-664444/10	50.0	28.636939	25.0	1198556.0	0.572739	Y
8	IC 240-664444/11	75.0	42.146422	25.0	1203617.0	0.561952	Y
9	IC 240-664444/12	100.0	56.024393	25.0	1206192.0	0.560244	Y



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Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

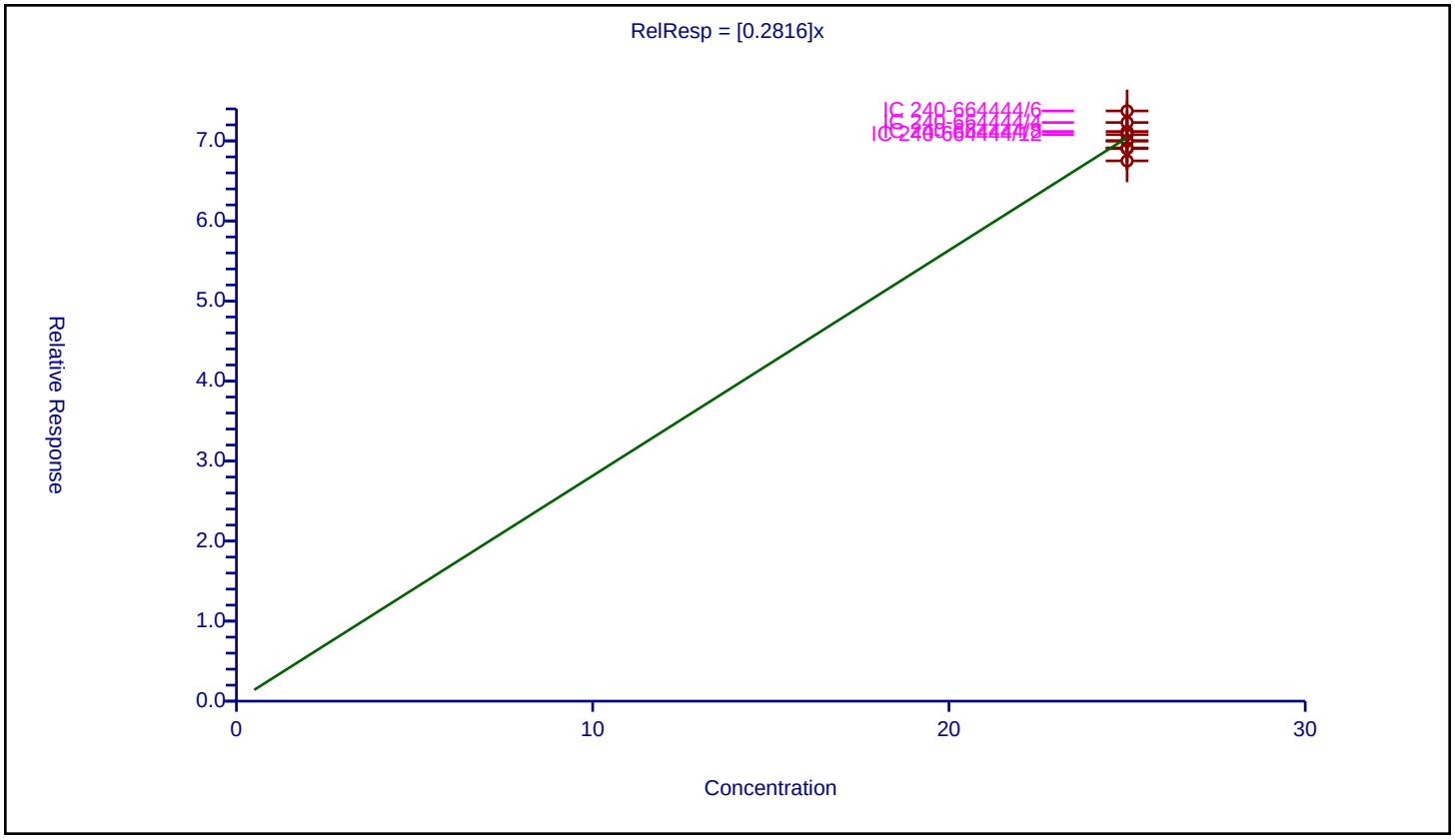
Curve Coefficients

Intercept:	0
Slope:	0.2816

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	25.0	7.229802	25.0	1123416.0	0.289192	Y
2	IC 240-664444/5	25.0	6.912483	25.0	1126954.0	0.276499	Y
3	IC 240-664444/6	25.0	7.37448	25.0	1109190.0	0.294979	Y
4	IC 240-664444/7	25.0	6.750747	25.0	1144303.0	0.27003	Y
5	IC 240-664444/8	25.0	7.117557	25.0	1157669.0	0.284702	Y
6	ICIS 240-664444/9	25.0	7.004381	25.0	1135393.0	0.280175	Y
7	IC 240-664444/10	25.0	6.996732	25.0	1198556.0	0.279869	Y
8	IC 240-664444/11	25.0	6.90311	25.0	1203617.0	0.276124	Y
9	IC 240-664444/12	25.0	7.078143	25.0	1206192.0	0.283126	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

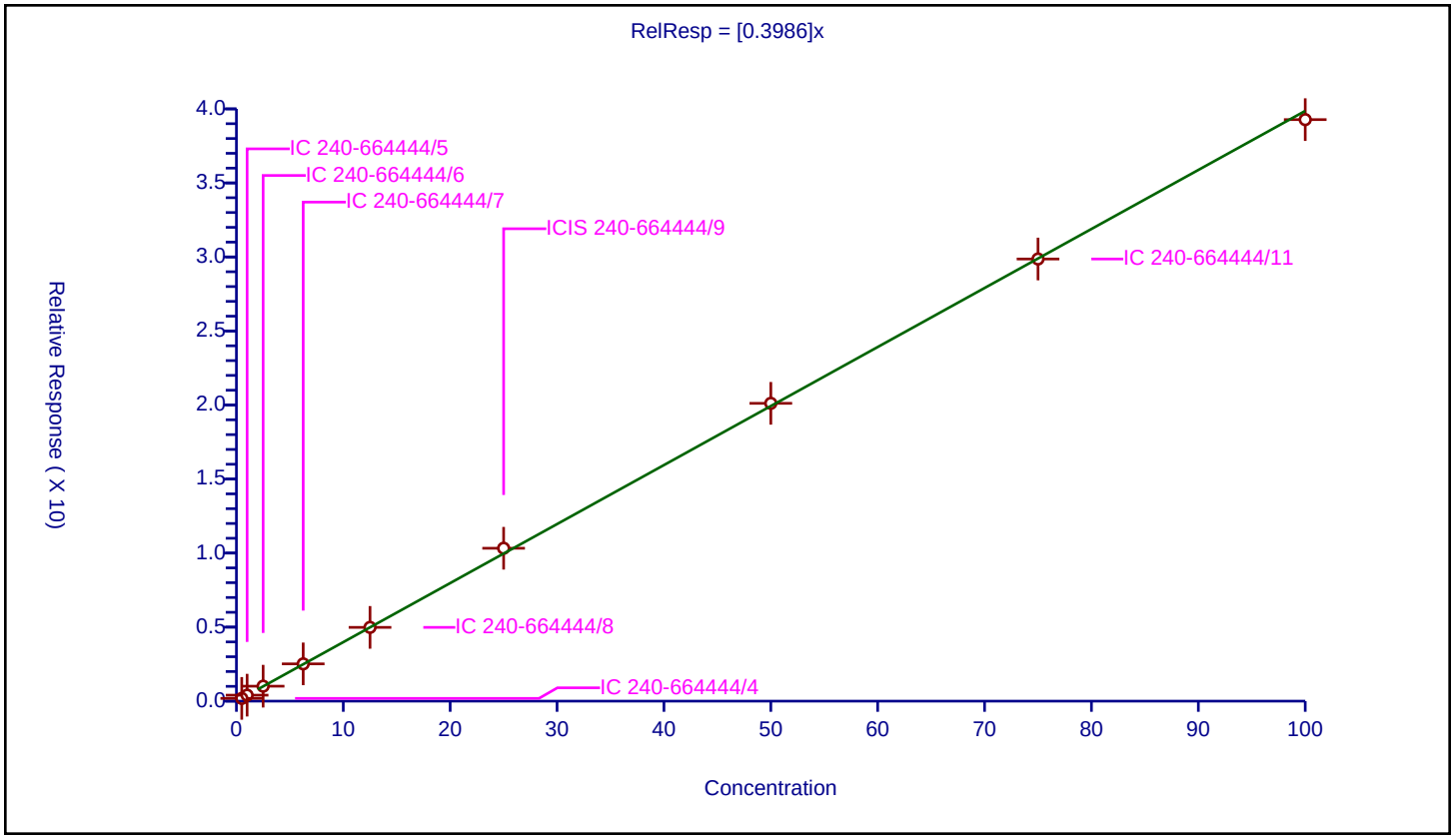
Curve Coefficients

Intercept:	0
Slope:	0.3986

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.186507	25.0	1123416.0	0.373014	Y
2	IC 240-664444/5	1.0	0.403078	25.0	1126954.0	0.403078	Y
3	IC 240-664444/6	2.5	1.009678	25.0	1109190.0	0.403871	Y
4	IC 240-664444/7	6.25	2.516903	25.0	1144303.0	0.402705	Y
5	IC 240-664444/8	12.5	4.98234	25.0	1157669.0	0.398587	Y
6	ICIS 240-664444/9	25.0	10.326116	25.0	1135393.0	0.413045	Y
7	IC 240-664444/10	50.0	20.113975	25.0	1198556.0	0.402279	Y
8	IC 240-664444/11	75.0	29.862074	25.0	1203617.0	0.398161	Y
9	IC 240-664444/12	100.0	39.27478	25.0	1206192.0	0.392748	Y



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Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

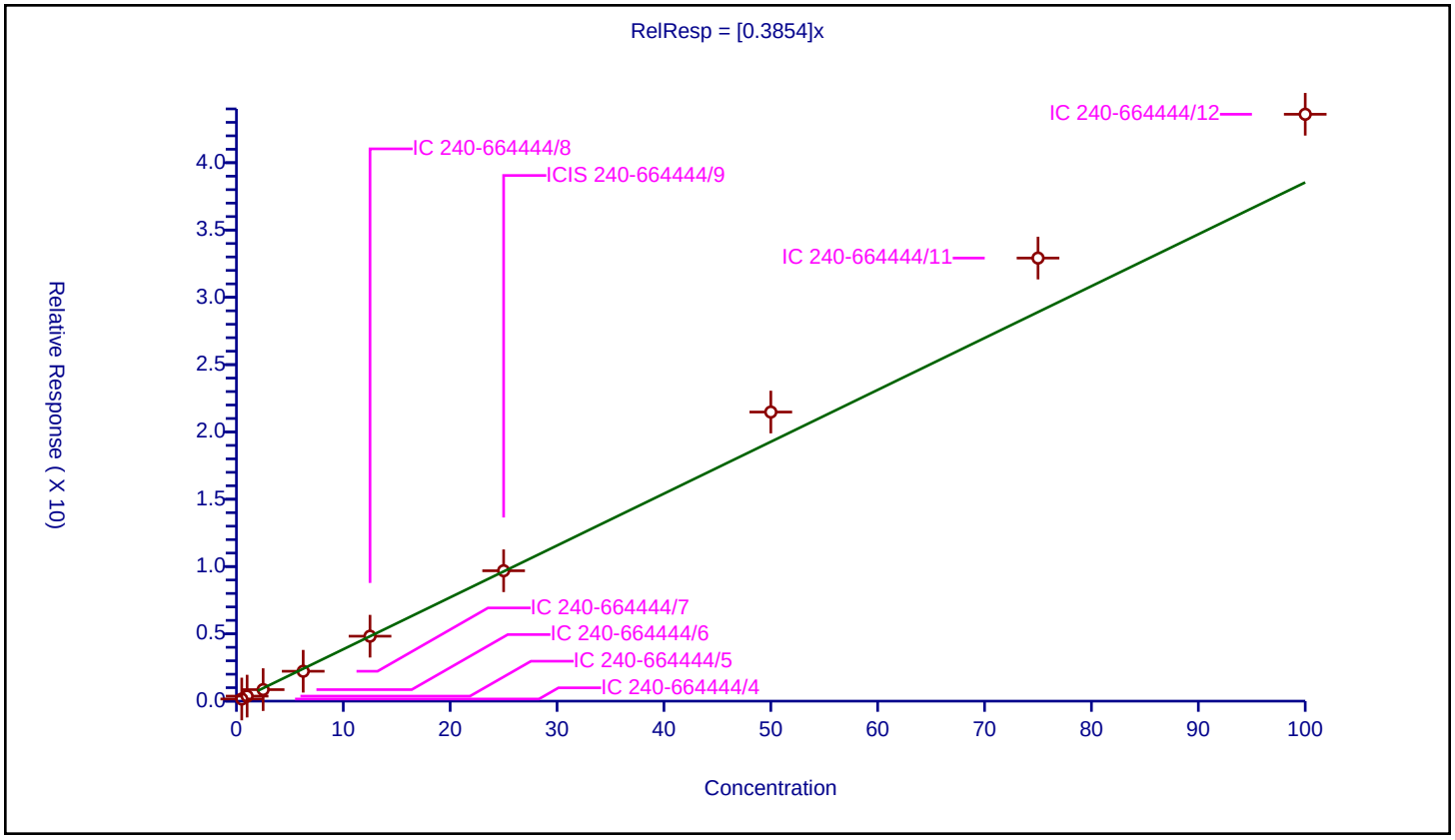
Curve Coefficients

Intercept:	0
Slope:	0.3854

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.159936	25.0	1123416.0	0.319873	Y
2	IC 240-664444/5	1.0	0.372908	25.0	1126954.0	0.372908	Y
3	IC 240-664444/6	2.5	0.85603	25.0	1109190.0	0.342412	Y
4	IC 240-664444/7	6.25	2.22026	25.0	1144303.0	0.355242	Y
5	IC 240-664444/8	12.5	4.826012	25.0	1157669.0	0.386081	Y
6	ICIS 240-664444/9	25.0	9.687461	25.0	1135393.0	0.387498	Y
7	IC 240-664444/10	50.0	21.477887	25.0	1198556.0	0.429558	Y
8	IC 240-664444/11	75.0	32.91751	25.0	1203617.0	0.4389	Y
9	IC 240-664444/12	100.0	43.601081	25.0	1206192.0	0.436011	Y



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Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

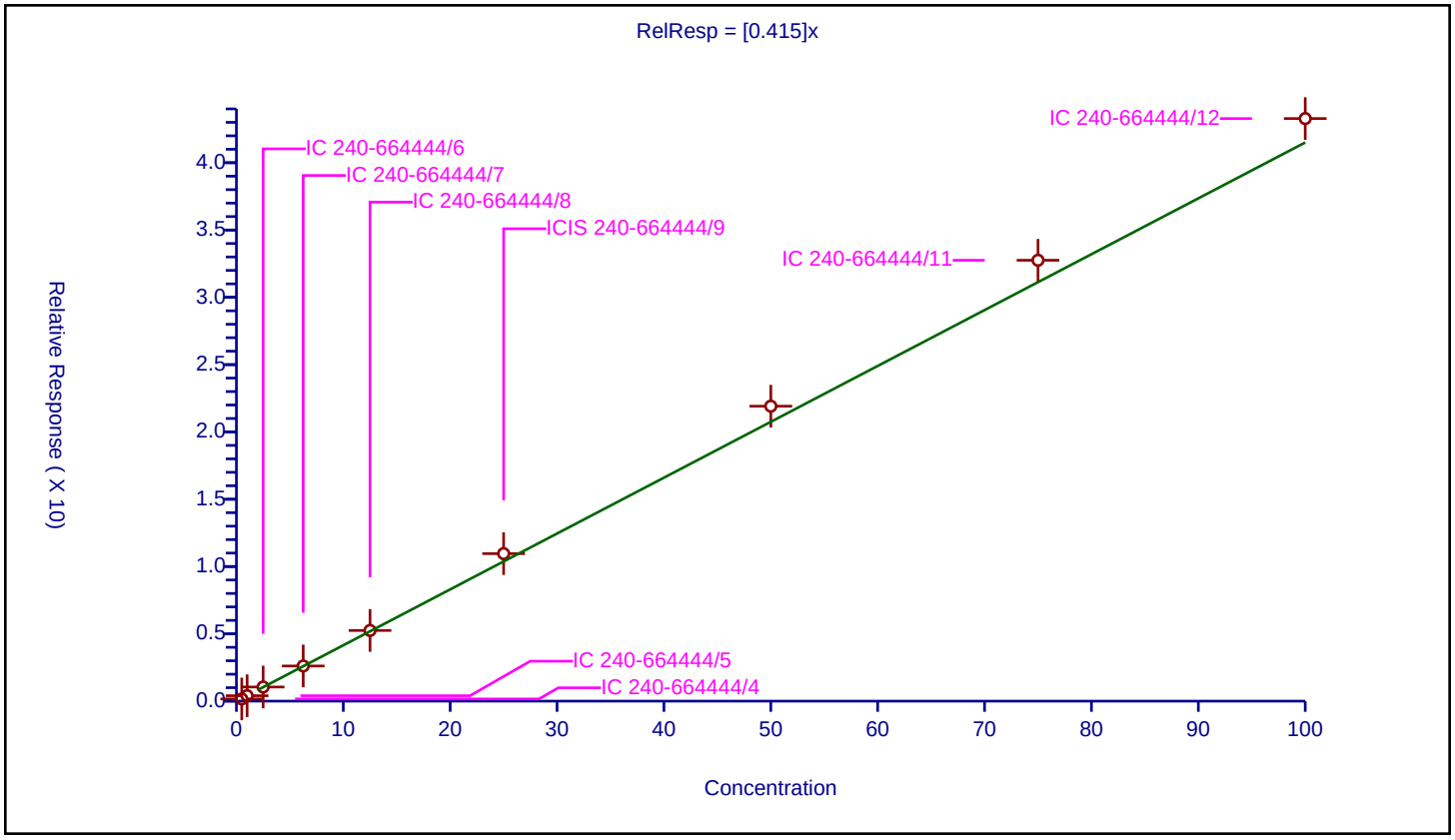
Curve Coefficients

Intercept:	0
Slope:	0.415

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.164009	25.0	1123416.0	0.328017	Y
2	IC 240-664444/5	1.0	0.40361	25.0	1126954.0	0.40361	Y
3	IC 240-664444/6	2.5	1.049099	25.0	1109190.0	0.41964	Y
4	IC 240-664444/7	6.25	2.611524	25.0	1144303.0	0.417844	Y
5	IC 240-664444/8	12.5	5.249925	25.0	1157669.0	0.419994	Y
6	ICIS 240-664444/9	25.0	10.959377	25.0	1135393.0	0.438375	Y
7	IC 240-664444/10	50.0	21.913953	25.0	1198556.0	0.438279	Y
8	IC 240-664444/11	75.0	32.755873	25.0	1203617.0	0.436745	Y
9	IC 240-664444/12	100.0	43.280858	25.0	1206192.0	0.432809	Y



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Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

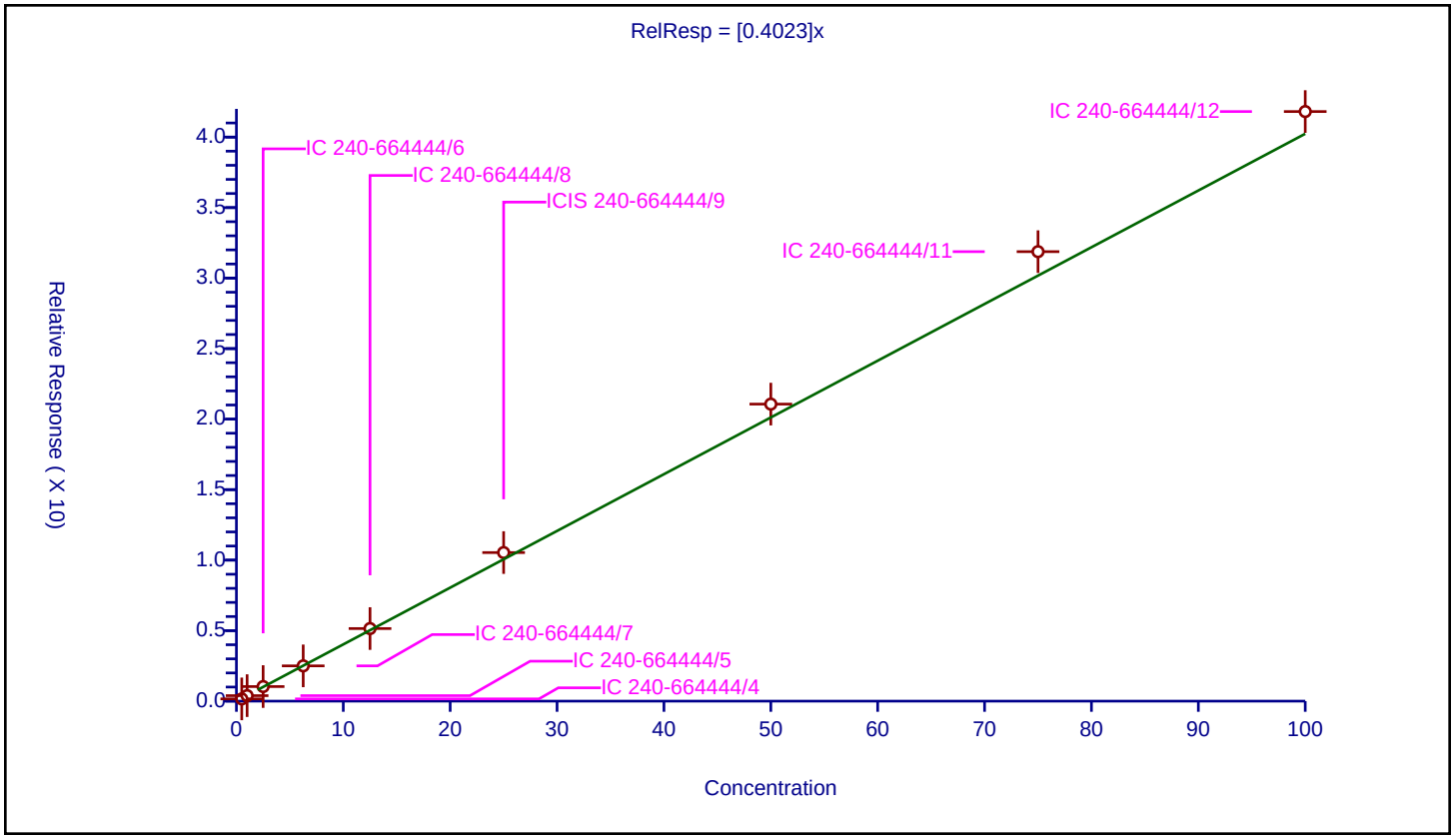
Curve Coefficients

Intercept:	0
Slope:	0.4023

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.159491	25.0	1123416.0	0.318982	Y
2	IC 240-664444/5	1.0	0.390322	25.0	1126954.0	0.390322	Y
3	IC 240-664444/6	2.5	1.034989	25.0	1109190.0	0.413996	Y
4	IC 240-664444/7	6.25	2.501042	25.0	1144303.0	0.400167	Y
5	IC 240-664444/8	12.5	5.147693	25.0	1157669.0	0.411815	Y
6	ICIS 240-664444/9	25.0	10.536242	25.0	1135393.0	0.42145	Y
7	IC 240-664444/10	50.0	21.064076	25.0	1198556.0	0.421282	Y
8	IC 240-664444/11	75.0	31.876835	25.0	1203617.0	0.425024	Y
9	IC 240-664444/12	100.0	41.810487	25.0	1206192.0	0.418105	Y



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Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

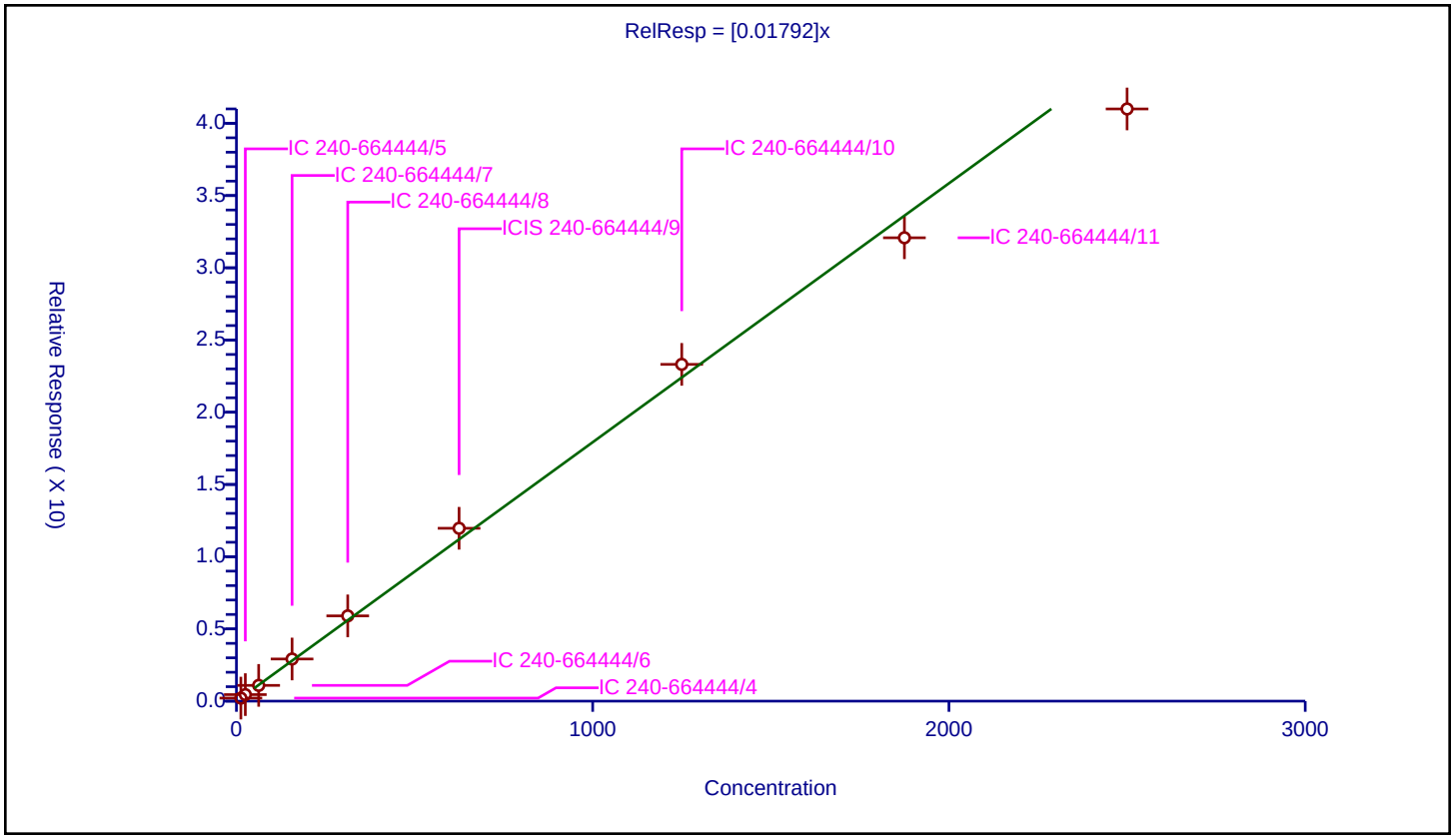
Curve Coefficients

Intercept:	0
Slope:	0.01792

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	12.5	0.211682	25.0	875606.0	0.016935	Y
2	IC 240-664444/5	25.0	0.451739	25.0	843408.0	0.01807	Y
3	IC 240-664444/6	62.5	1.089874	25.0	842345.0	0.017438	Y
4	IC 240-664444/7	156.25	2.917545	25.0	876199.0	0.018672	Y
5	IC 240-664444/8	312.5	5.903644	25.0	861053.0	0.018892	Y
6	ICIS 240-664444/9	625.0	11.967103	25.0	860110.0	0.019147	Y
7	IC 240-664444/10	1250.0	23.314987	25.0	917070.0	0.018652	Y
8	IC 240-664444/11	1875.0	32.078363	25.0	909331.0	0.017108	Y
9	IC 240-664444/12	2500.0	40.996782	25.0	928643.0	0.016399	Y



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Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

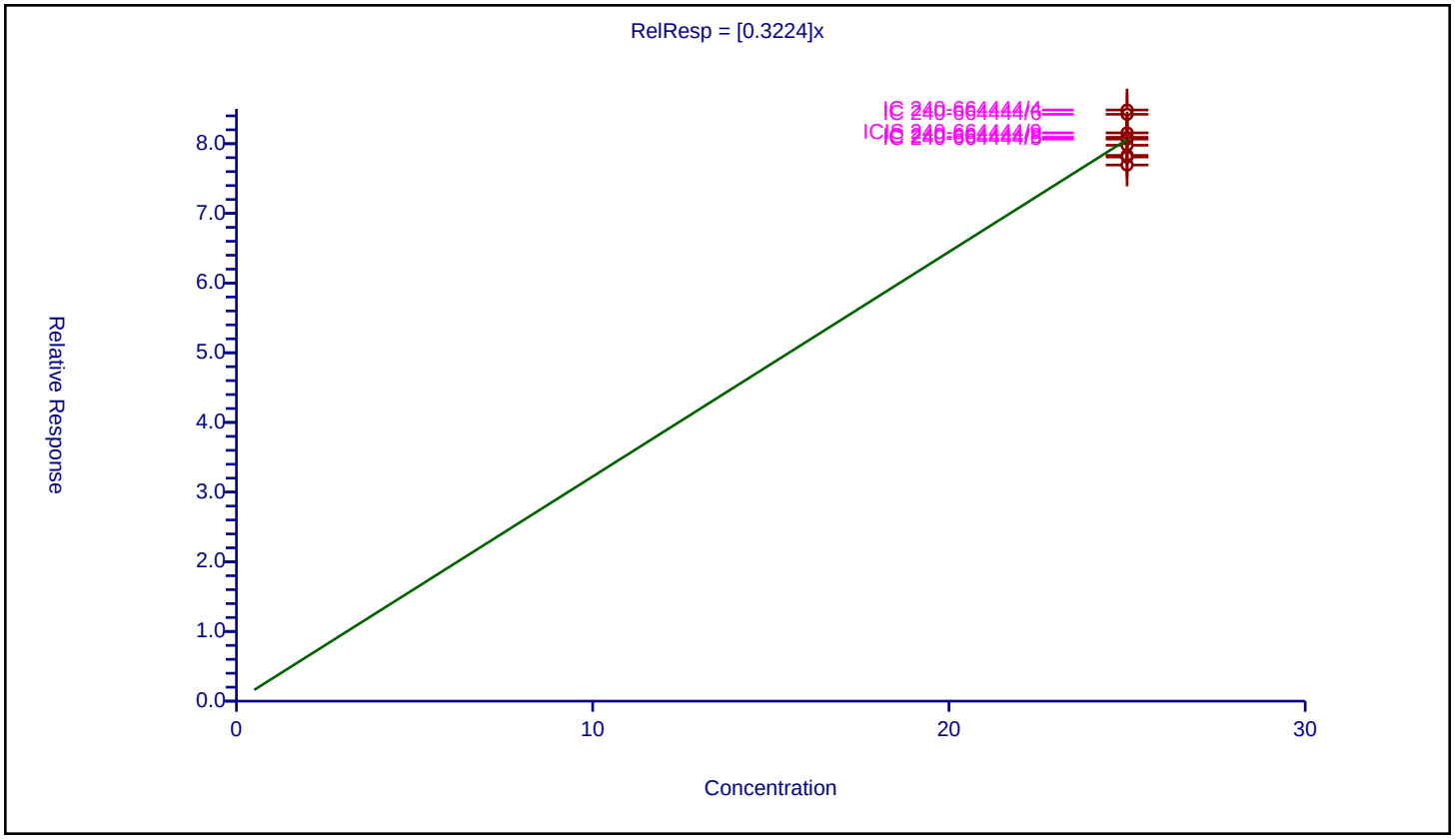
Curve Coefficients

Intercept:	0
Slope:	0.3224

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	25.0	8.484079	25.0	1123416.0	0.339363	Y
2	IC 240-664444/5	25.0	8.066456	25.0	1126954.0	0.322658	Y
3	IC 240-664444/6	25.0	8.422272	25.0	1109190.0	0.336891	Y
4	IC 240-664444/7	25.0	7.694422	25.0	1144303.0	0.307777	Y
5	IC 240-664444/8	25.0	8.09167	25.0	1157669.0	0.323667	Y
6	ICIS 240-664444/9	25.0	8.15548	25.0	1135393.0	0.326219	Y
7	IC 240-664444/10	25.0	7.832738	25.0	1198556.0	0.31331	Y
8	IC 240-664444/11	25.0	7.808942	25.0	1203617.0	0.312358	Y
9	IC 240-664444/12	25.0	7.97829	25.0	1206192.0	0.319132	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

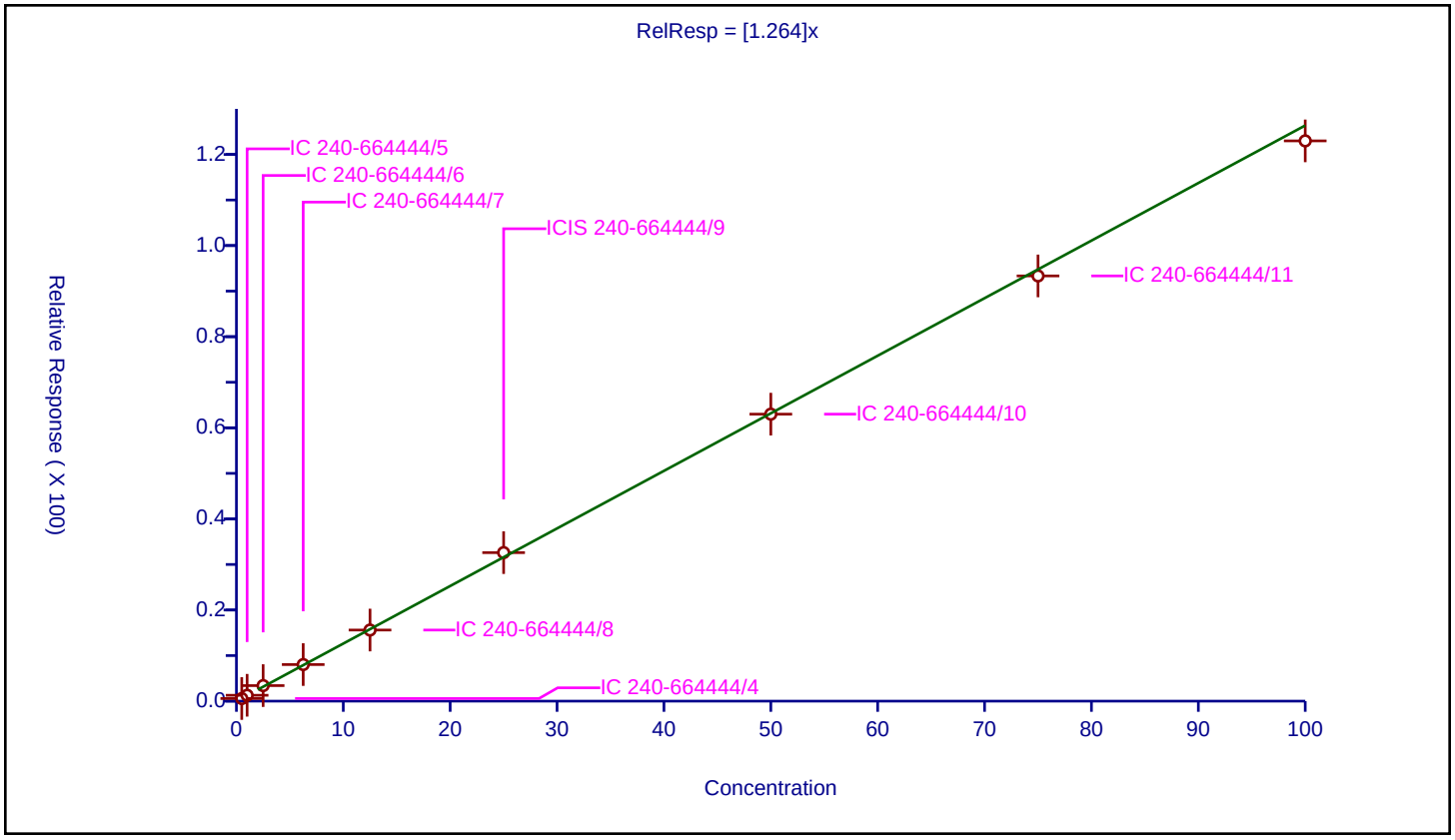
Curve Coefficients

Intercept:	0
Slope:	1.264

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.574498	25.0	1123416.0	1.148996	Y
2	IC 240-664444/5	1.0	1.288074	25.0	1126954.0	1.288074	Y
3	IC 240-664444/6	2.5	3.409177	25.0	1109190.0	1.363671	Y
4	IC 240-664444/7	6.25	8.027507	25.0	1144303.0	1.284401	Y
5	IC 240-664444/8	12.5	15.60798	25.0	1157669.0	1.248638	Y
6	ICIS 240-664444/9	25.0	32.604239	25.0	1135393.0	1.30417	Y
7	IC 240-664444/10	50.0	62.99835	25.0	1198556.0	1.259967	Y
8	IC 240-664444/11	75.0	93.336626	25.0	1203617.0	1.244488	Y
9	IC 240-664444/12	100.0	122.977354	25.0	1206192.0	1.229774	Y



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Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

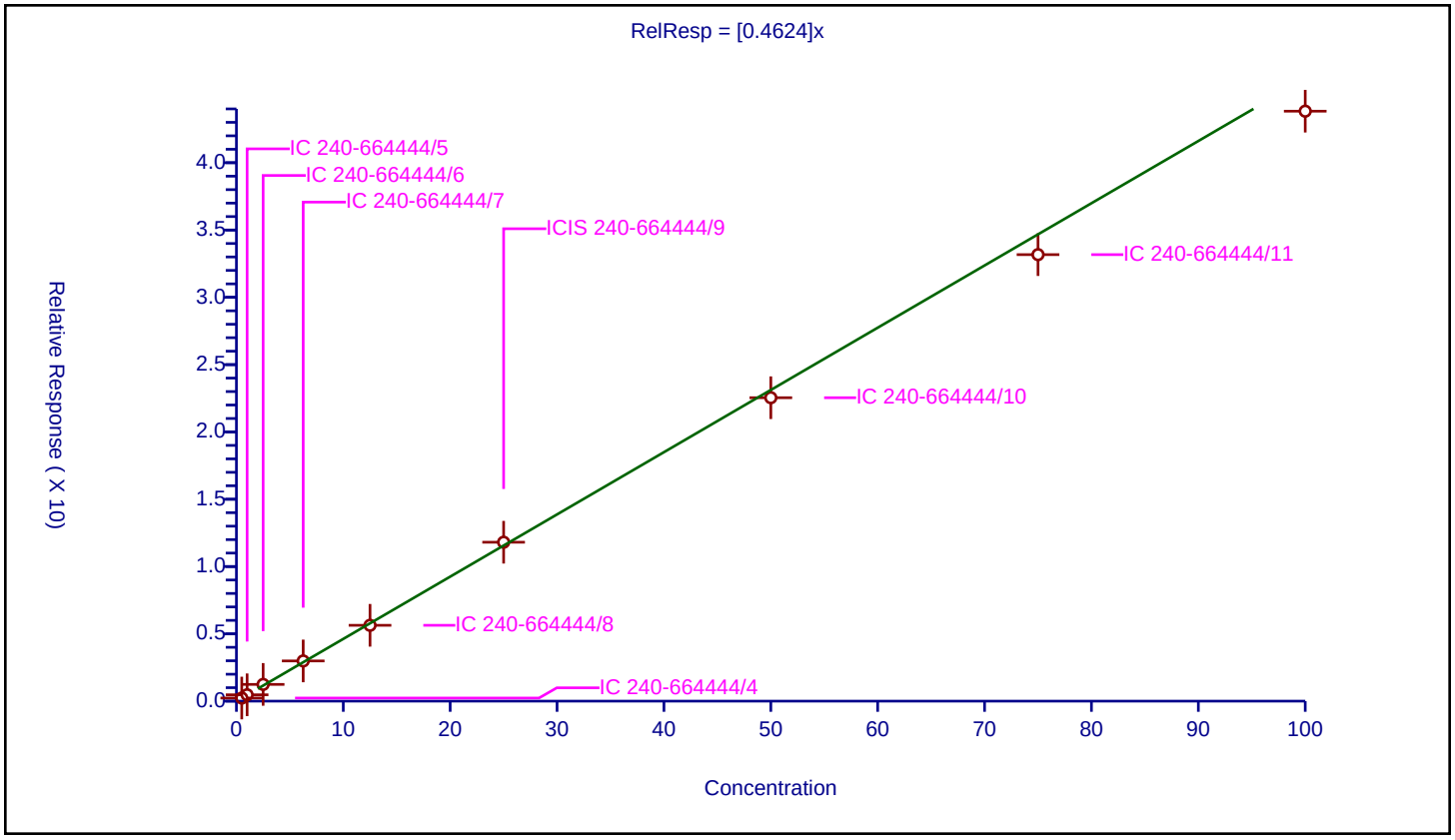
Curve Coefficients

Intercept:	0
Slope:	0.4624

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.22999	25.0	1123416.0	0.459981	Y
2	IC 240-664444/5	1.0	0.471647	25.0	1126954.0	0.471647	Y
3	IC 240-664444/6	2.5	1.243407	25.0	1109190.0	0.497363	Y
4	IC 240-664444/7	6.25	2.987714	25.0	1144303.0	0.478034	Y
5	IC 240-664444/8	12.5	5.633994	25.0	1157669.0	0.45072	Y
6	ICIS 240-664444/9	25.0	11.806375	25.0	1135393.0	0.472255	Y
7	IC 240-664444/10	50.0	22.541834	25.0	1198556.0	0.450837	Y
8	IC 240-664444/11	75.0	33.171619	25.0	1203617.0	0.442288	Y
9	IC 240-664444/12	100.0	43.830688	25.0	1206192.0	0.438307	Y



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Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

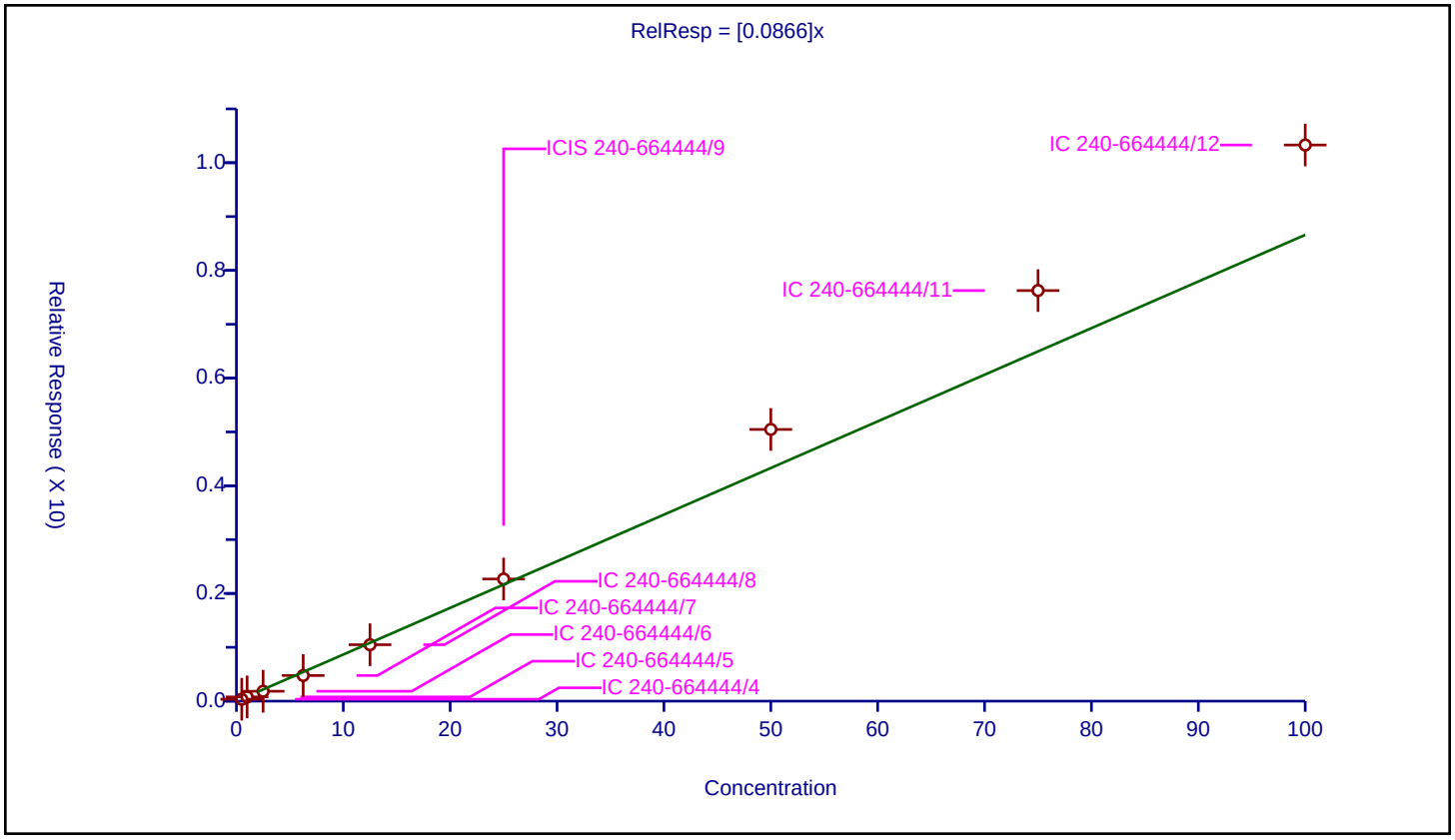
Curve Coefficients

Intercept:	0
Slope:	0.0866

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.035383	25.0	1123416.0	0.070766	Y
2	IC 240-664444/5	1.0	0.078353	25.0	1126954.0	0.078353	Y
3	IC 240-664444/6	2.5	0.184008	25.0	1109190.0	0.073603	Y
4	IC 240-664444/7	6.25	0.476338	25.0	1144303.0	0.076214	Y
5	IC 240-664444/8	12.5	1.047817	25.0	1157669.0	0.083825	Y
6	ICIS 240-664444/9	25.0	2.268179	25.0	1135393.0	0.090727	Y
7	IC 240-664444/10	50.0	5.046406	25.0	1198556.0	0.100928	Y
8	IC 240-664444/11	75.0	7.625952	25.0	1203617.0	0.101679	Y
9	IC 240-664444/12	100.0	10.329015	25.0	1206192.0	0.10329	Y



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Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

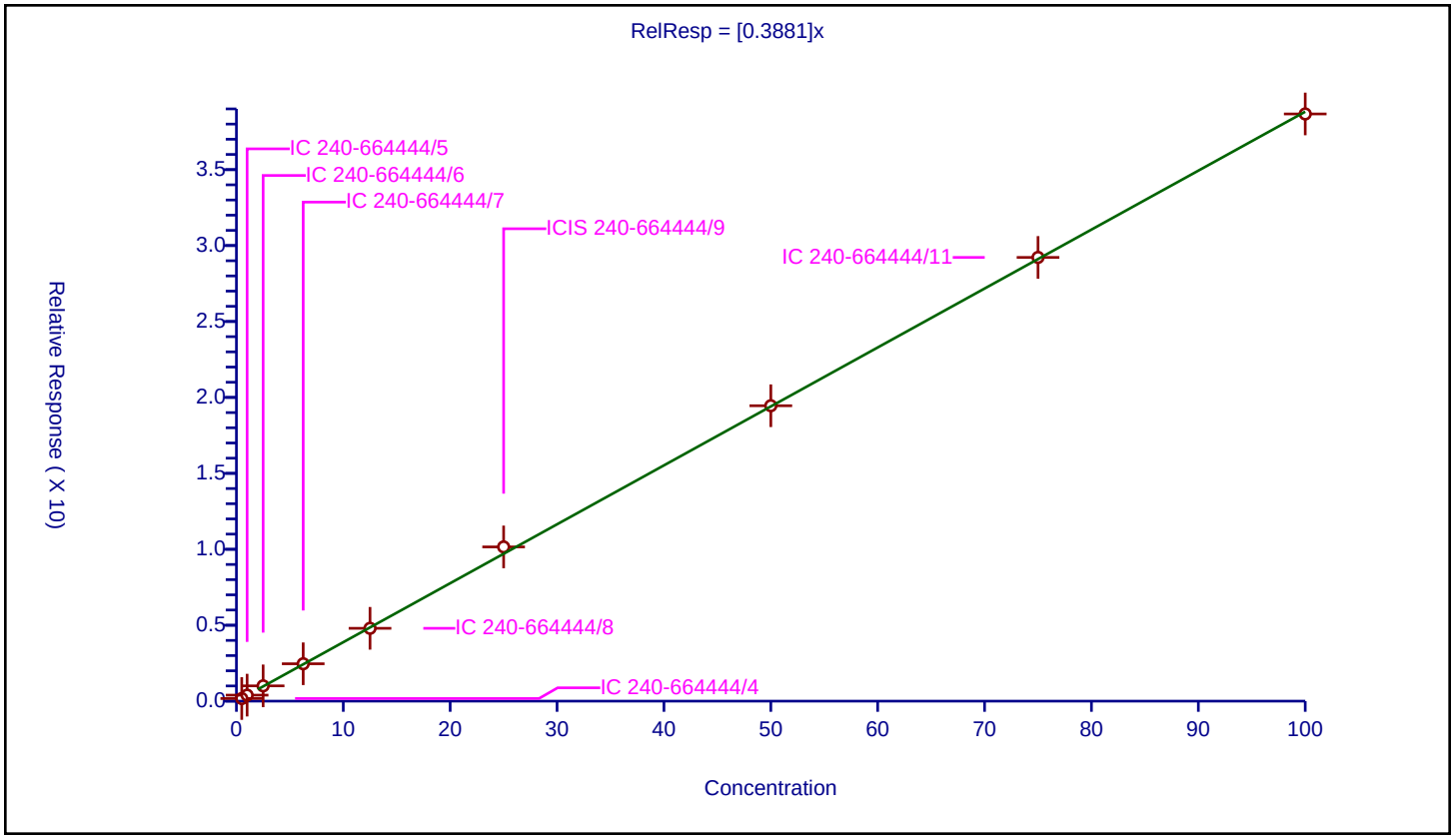
Curve Coefficients

Intercept:	0
Slope:	0.3881

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.173222	25.0	1123416.0	0.346443	Y
2	IC 240-664444/5	1.0	0.394981	25.0	1126954.0	0.394981	Y
3	IC 240-664444/6	2.5	1.006681	25.0	1109190.0	0.402672	Y
4	IC 240-664444/7	6.25	2.461586	25.0	1144303.0	0.393854	Y
5	IC 240-664444/8	12.5	4.796578	25.0	1157669.0	0.383726	Y
6	ICIS 240-664444/9	25.0	10.156439	25.0	1135393.0	0.406258	Y
7	IC 240-664444/10	50.0	19.452867	25.0	1198556.0	0.389057	Y
8	IC 240-664444/11	75.0	29.219386	25.0	1203617.0	0.389592	Y
9	IC 240-664444/12	100.0	38.666667	25.0	1206192.0	0.386667	Y



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Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

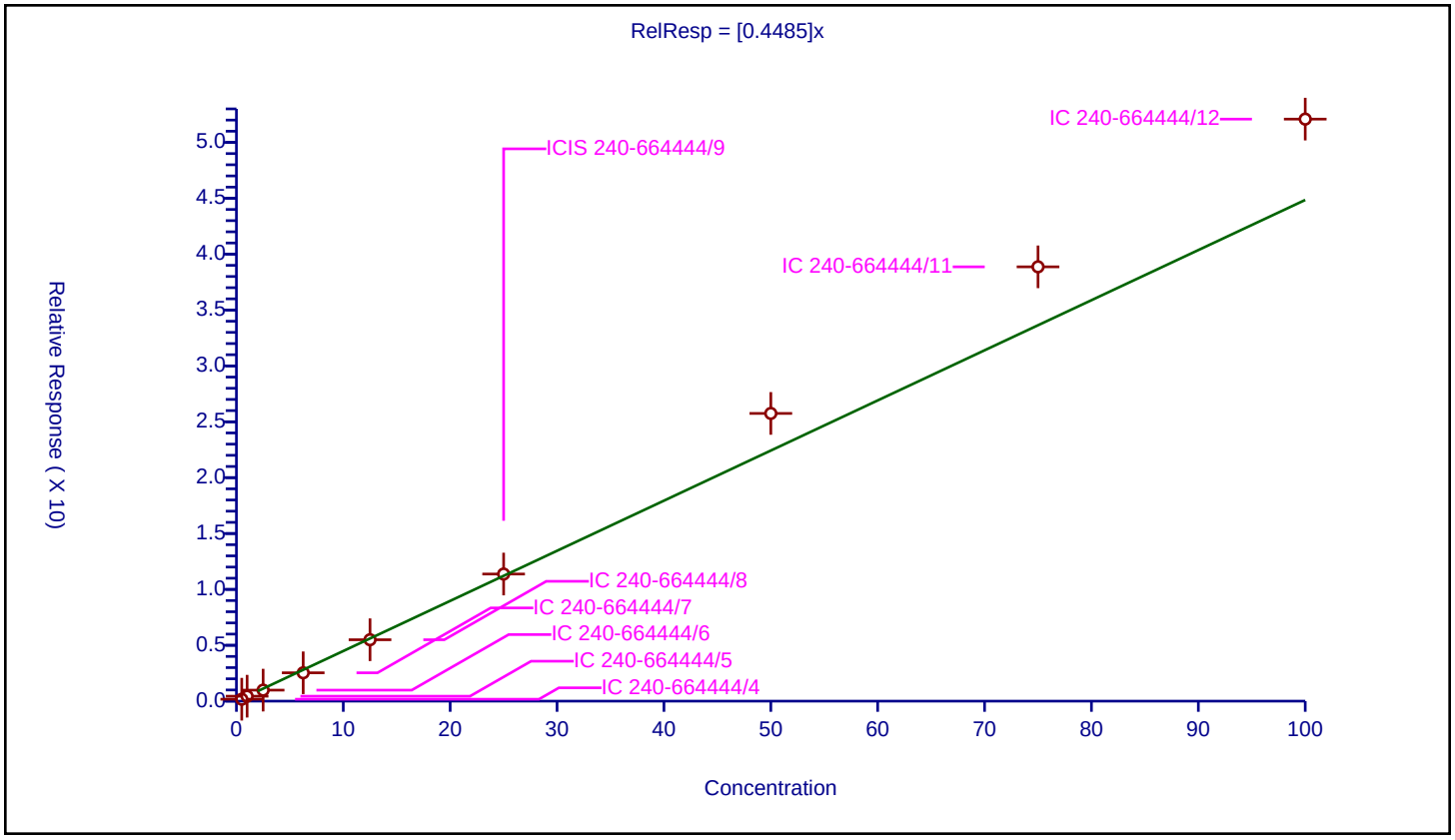
Curve Coefficients

Intercept:	0
Slope:	0.4485

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.173066	25.0	1123416.0	0.346132	Y
2	IC 240-664444/5	1.0	0.441944	25.0	1126954.0	0.441944	Y
3	IC 240-664444/6	2.5	0.984998	25.0	1109190.0	0.393999	Y
4	IC 240-664444/7	6.25	2.536522	25.0	1144303.0	0.405844	Y
5	IC 240-664444/8	12.5	5.494748	25.0	1157669.0	0.43958	Y
6	ICIS 240-664444/9	25.0	11.37496	25.0	1135393.0	0.454998	Y
7	IC 240-664444/10	50.0	25.74669	25.0	1198556.0	0.514934	Y
8	IC 240-664444/11	75.0	38.866994	25.0	1203617.0	0.518227	Y
9	IC 240-664444/12	100.0	52.085199	25.0	1206192.0	0.520852	Y



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Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

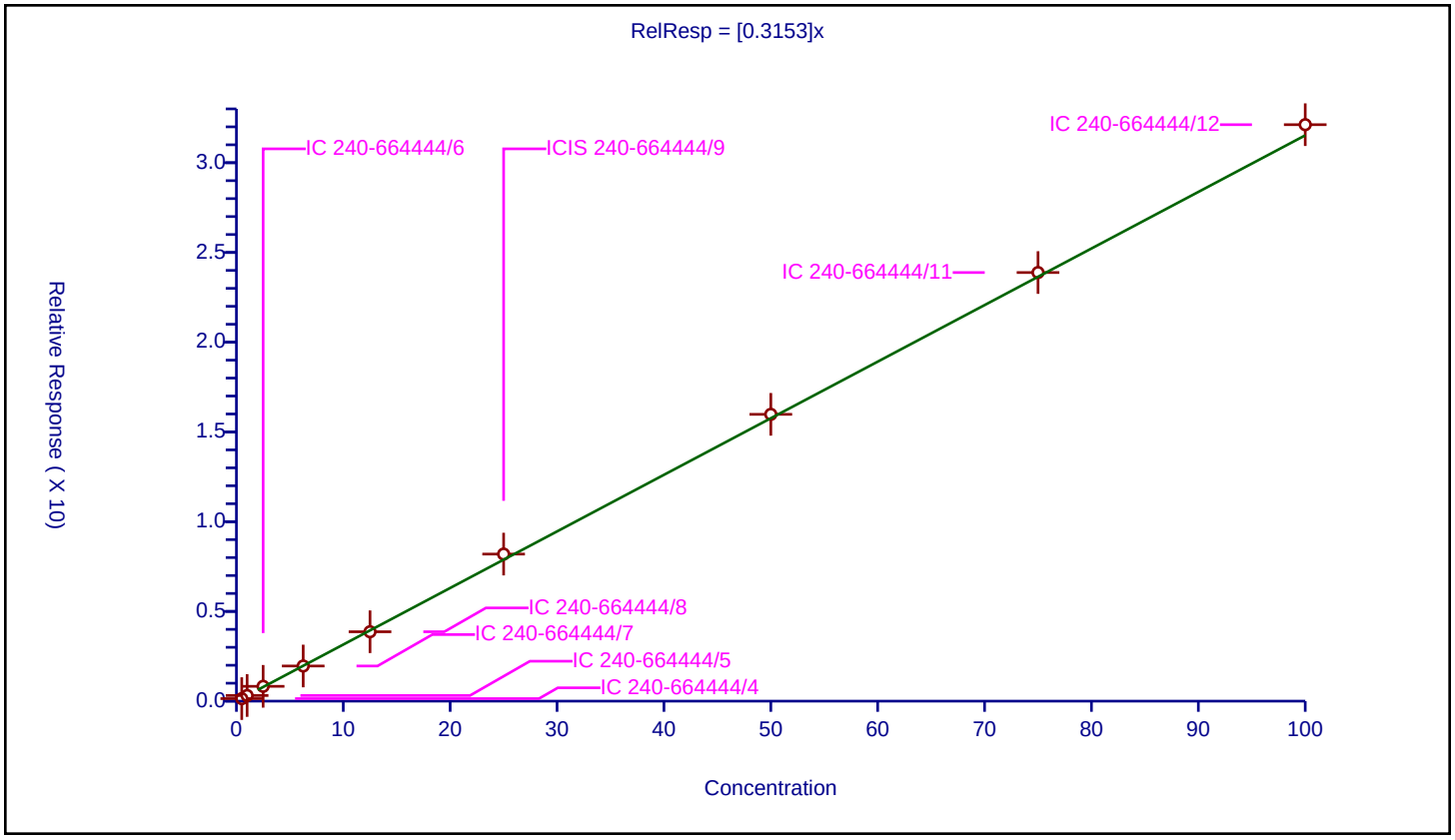
Curve Coefficients

Intercept:	0
Slope:	0.3153

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.141644	25.0	1123416.0	0.283288	Y
2	IC 240-664444/5	1.0	0.313744	25.0	1126954.0	0.313744	Y
3	IC 240-664444/6	2.5	0.826527	25.0	1109190.0	0.330611	Y
4	IC 240-664444/7	6.25	1.958026	25.0	1144303.0	0.313284	Y
5	IC 240-664444/8	12.5	3.866347	25.0	1157669.0	0.309308	Y
6	ICIS 240-664444/9	25.0	8.194365	25.0	1135393.0	0.327775	Y
7	IC 240-664444/10	50.0	15.981356	25.0	1198556.0	0.319627	Y
8	IC 240-664444/11	75.0	23.881849	25.0	1203617.0	0.318425	Y
9	IC 240-664444/12	100.0	32.119762	25.0	1206192.0	0.321198	Y



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Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

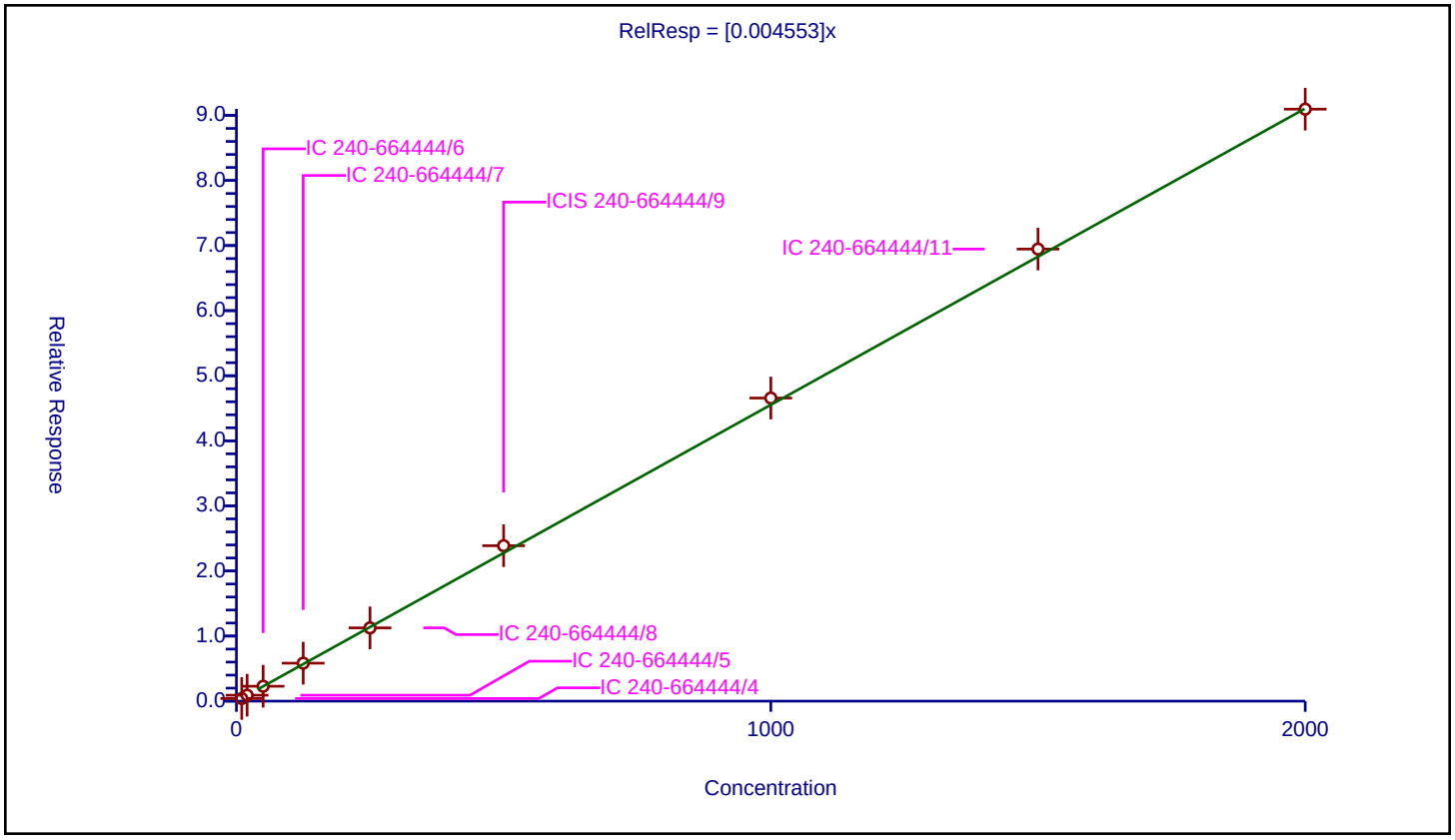
Curve Coefficients

Intercept:	0
Slope:	0.004553

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	10.0	0.040679	25.0	1123416.0	0.004068	Y
2	IC 240-664444/5	20.0	0.090975	25.0	1126954.0	0.004549	Y
3	IC 240-664444/6	50.0	0.228816	25.0	1109190.0	0.004576	Y
4	IC 240-664444/7	125.0	0.583412	25.0	1144303.0	0.004667	Y
5	IC 240-664444/8	250.0	1.125905	25.0	1157669.0	0.004504	Y
6	ICIS 240-664444/9	500.0	2.387984	25.0	1135393.0	0.004776	Y
7	IC 240-664444/10	1000.0	4.656916	25.0	1198556.0	0.004657	Y
8	IC 240-664444/11	1500.0	6.946126	25.0	1203617.0	0.004631	Y
9	IC 240-664444/12	2000.0	9.095981	25.0	1206192.0	0.004548	Y



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Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

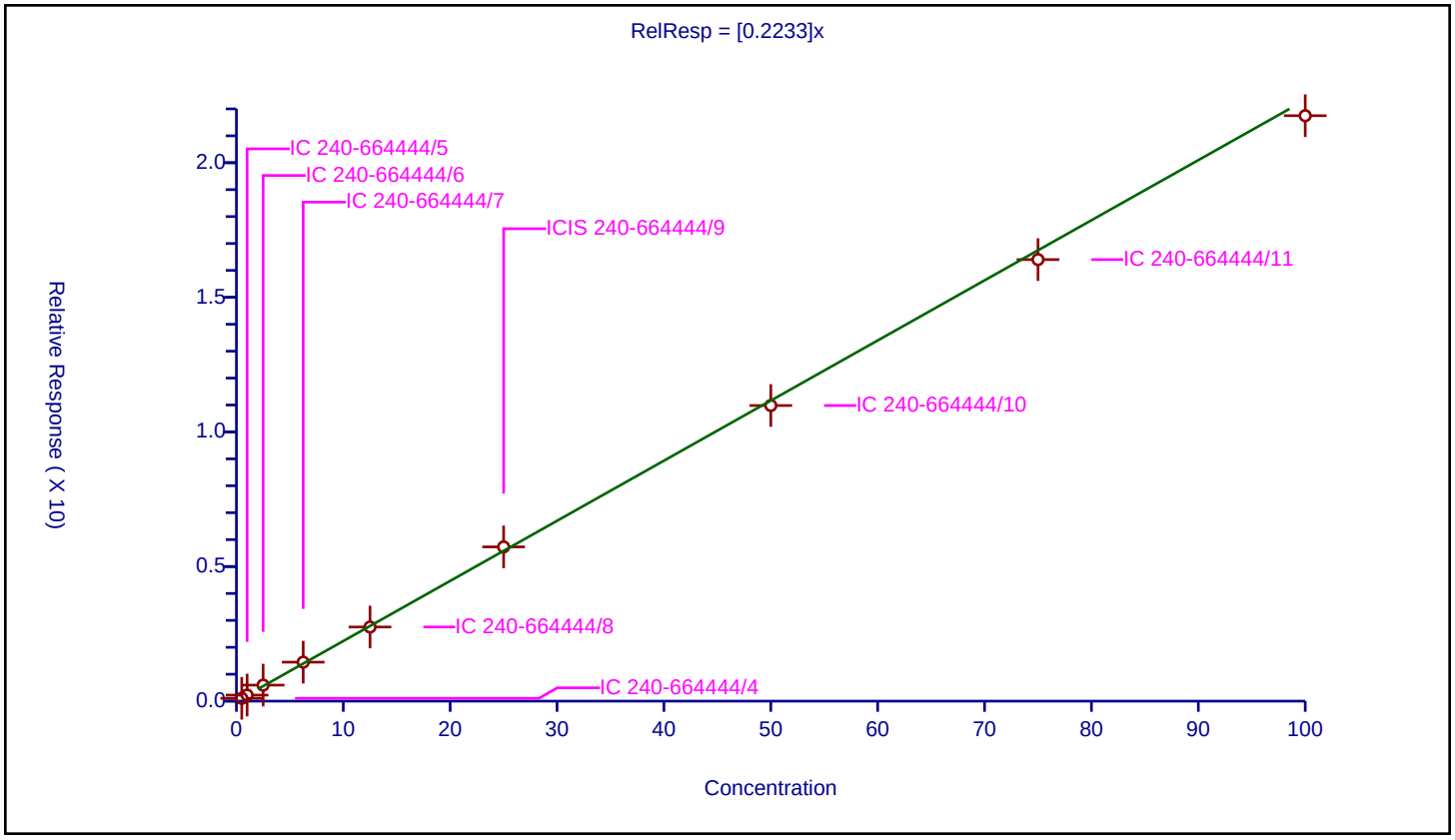
Curve Coefficients

Intercept:	0
Slope:	0.2233

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.105304	25.0	1123416.0	0.210608	Y
2	IC 240-664444/5	1.0	0.224033	25.0	1126954.0	0.224033	Y
3	IC 240-664444/6	2.5	0.595254	25.0	1109190.0	0.238102	Y
4	IC 240-664444/7	6.25	1.447584	25.0	1144303.0	0.231613	Y
5	IC 240-664444/8	12.5	2.75368	25.0	1157669.0	0.220294	Y
6	ICIS 240-664444/9	25.0	5.729778	25.0	1135393.0	0.229191	Y
7	IC 240-664444/10	50.0	10.981026	25.0	1198556.0	0.219621	Y
8	IC 240-664444/11	75.0	16.402228	25.0	1203617.0	0.218696	Y
9	IC 240-664444/12	100.0	21.7466	25.0	1206192.0	0.217466	Y



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Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

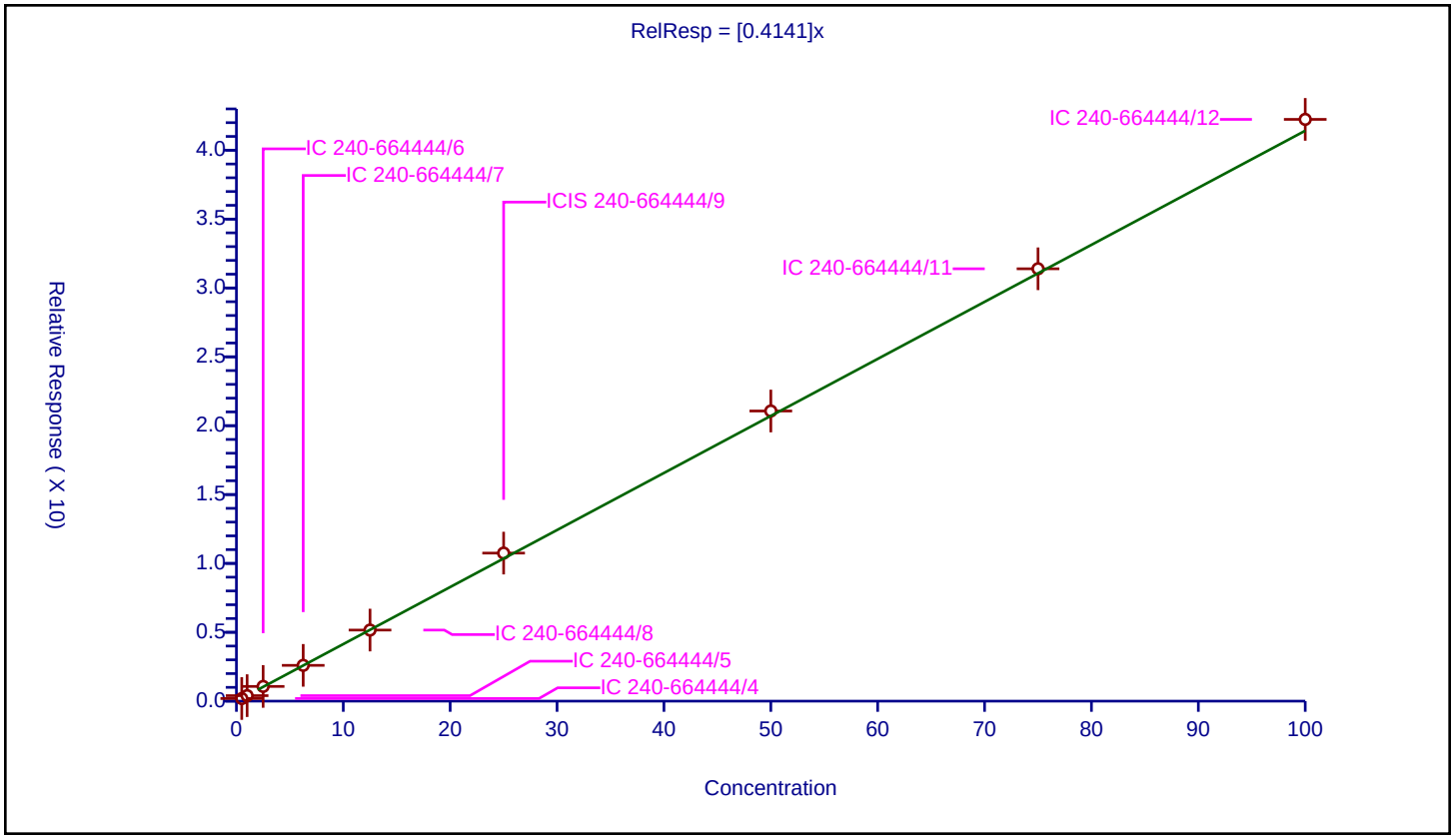
Curve Coefficients

Intercept:	0
Slope:	0.4141

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.189756	25.0	1123416.0	0.379512	Y
2	IC 240-664444/5	1.0	0.399839	25.0	1126954.0	0.399839	Y
3	IC 240-664444/6	2.5	1.067851	25.0	1109190.0	0.427141	Y
4	IC 240-664444/7	6.25	2.598416	25.0	1144303.0	0.415747	Y
5	IC 240-664444/8	12.5	5.160391	25.0	1157669.0	0.412831	Y
6	ICIS 240-664444/9	25.0	10.747952	25.0	1135393.0	0.429918	Y
7	IC 240-664444/10	50.0	21.064744	25.0	1198556.0	0.421295	Y
8	IC 240-664444/11	75.0	31.391672	25.0	1203617.0	0.418556	Y
9	IC 240-664444/12	100.0	42.237989	25.0	1206192.0	0.42238	Y



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Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

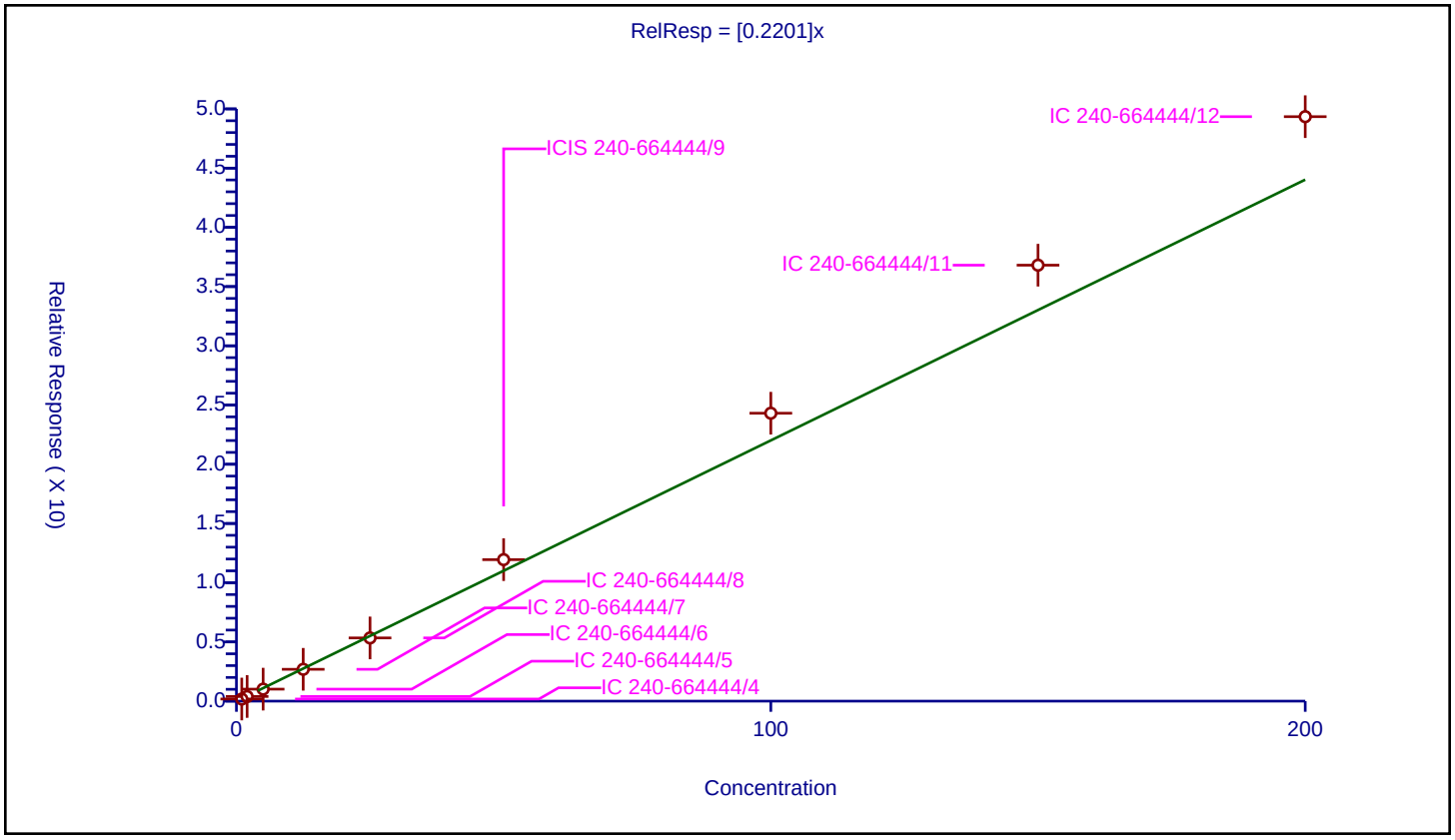
Curve Coefficients

Intercept:	0
Slope:	0.2201

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	1.0	0.179386	25.0	1123416.0	0.179386	Y
2	IC 240-664444/5	2.0	0.393162	25.0	1126954.0	0.196581	Y
3	IC 240-664444/6	5.0	1.012698	25.0	1109190.0	0.20254	Y
4	IC 240-664444/7	12.5	2.687116	25.0	1144303.0	0.214969	Y
5	IC 240-664444/8	25.0	5.336564	25.0	1157669.0	0.213463	Y
6	ICIS 240-664444/9	50.0	11.945401	25.0	1135393.0	0.238908	Y
7	IC 240-664444/10	100.0	24.307312	25.0	1198556.0	0.243073	Y
8	IC 240-664444/11	150.0	36.804835	25.0	1203617.0	0.245366	Y
9	IC 240-664444/12	200.0	49.34316	25.0	1206192.0	0.246716	Y



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Calibration / cis-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

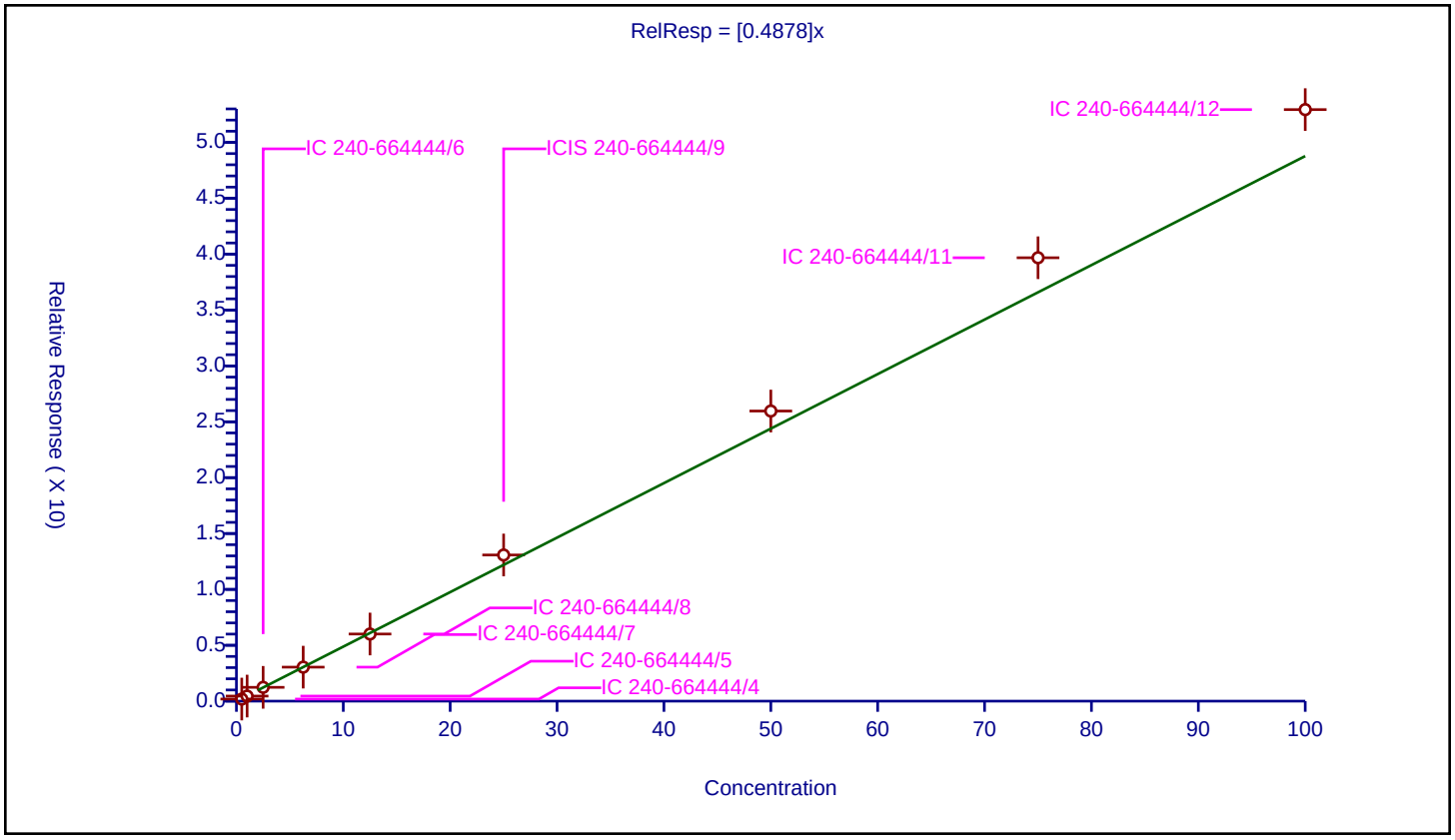
Curve Coefficients

Intercept:	0
Slope:	0.4878

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.186997	25.0	1123416.0	0.373993	Y
2	IC 240-664444/5	1.0	0.453834	25.0	1126954.0	0.453834	Y
3	IC 240-664444/6	2.5	1.235271	25.0	1109190.0	0.494108	Y
4	IC 240-664444/7	6.25	3.041327	25.0	1144303.0	0.486612	Y
5	IC 240-664444/8	12.5	6.008367	25.0	1157669.0	0.480669	Y
6	ICIS 240-664444/9	25.0	13.078071	25.0	1135393.0	0.523123	Y
7	IC 240-664444/10	50.0	25.961595	25.0	1198556.0	0.519232	Y
8	IC 240-664444/11	75.0	39.678507	25.0	1203617.0	0.529047	Y
9	IC 240-664444/12	100.0	52.935955	25.0	1206192.0	0.52936	Y



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Calibration / 4-Methyl-2-pentanone (MIBK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

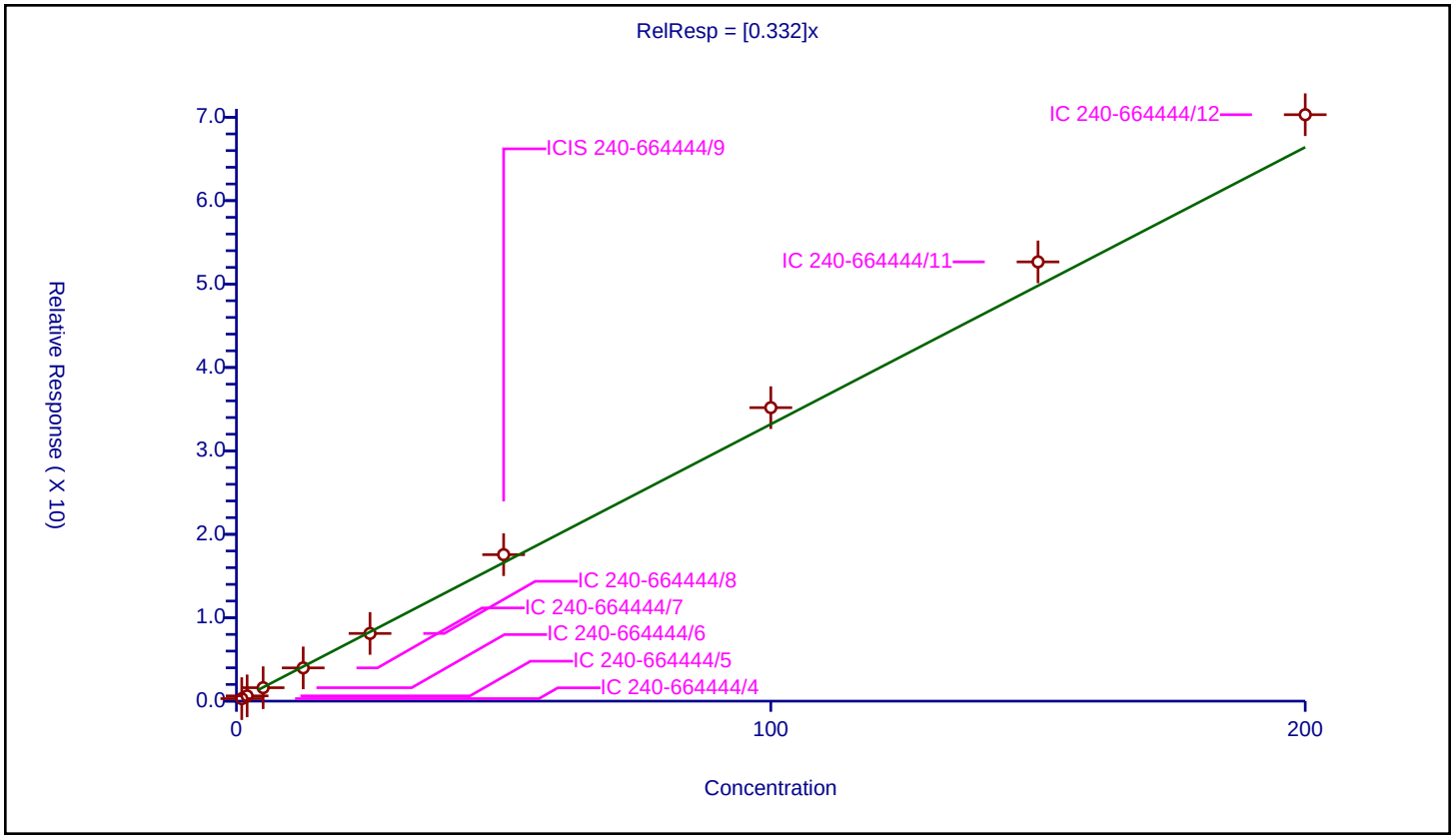
Curve Coefficients

Intercept:	0
Slope:	0.332

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	1.0	0.301669	25.0	1123416.0	0.301669	Y
2	IC 240-664444/5	2.0	0.630438	25.0	1126954.0	0.315219	Y
3	IC 240-664444/6	5.0	1.6105	25.0	1109190.0	0.3221	Y
4	IC 240-664444/7	12.5	3.986422	25.0	1144303.0	0.318914	Y
5	IC 240-664444/8	25.0	8.115446	25.0	1157669.0	0.324618	Y
6	ICIS 240-664444/9	50.0	17.560792	25.0	1135393.0	0.351216	Y
7	IC 240-664444/10	100.0	35.18584	25.0	1198556.0	0.351858	Y
8	IC 240-664444/11	150.0	52.660211	25.0	1203617.0	0.351068	Y
9	IC 240-664444/12	200.0	70.304437	25.0	1206192.0	0.351522	Y



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Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

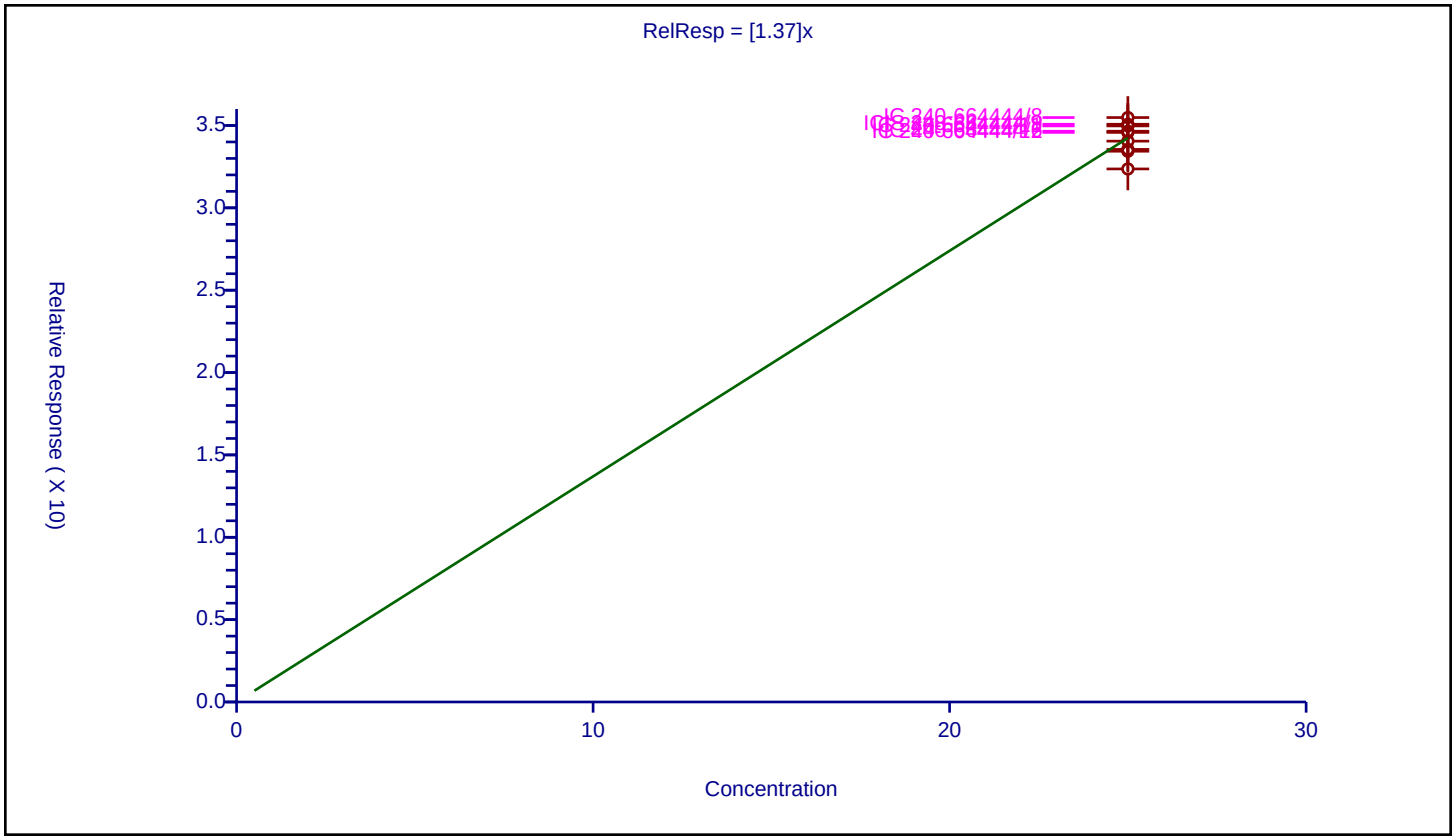
Curve Coefficients

Intercept:	0
Slope:	1.37

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	25.0	33.437328	25.0	875606.0	1.337493	Y
2	IC 240-664444/5	25.0	33.548591	25.0	843408.0	1.341944	Y
3	IC 240-664444/6	25.0	34.651271	25.0	842345.0	1.386051	Y
4	IC 240-664444/7	25.0	32.361627	25.0	876199.0	1.294465	Y
5	IC 240-664444/8	25.0	35.481207	25.0	861053.0	1.419248	Y
6	ICIS 240-664444/9	25.0	35.075426	25.0	860110.0	1.403017	Y
7	IC 240-664444/10	25.0	34.049418	25.0	917070.0	1.361977	Y
8	IC 240-664444/11	25.0	34.973733	25.0	909331.0	1.398949	Y
9	IC 240-664444/12	25.0	34.579408	25.0	928643.0	1.383176	Y



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Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

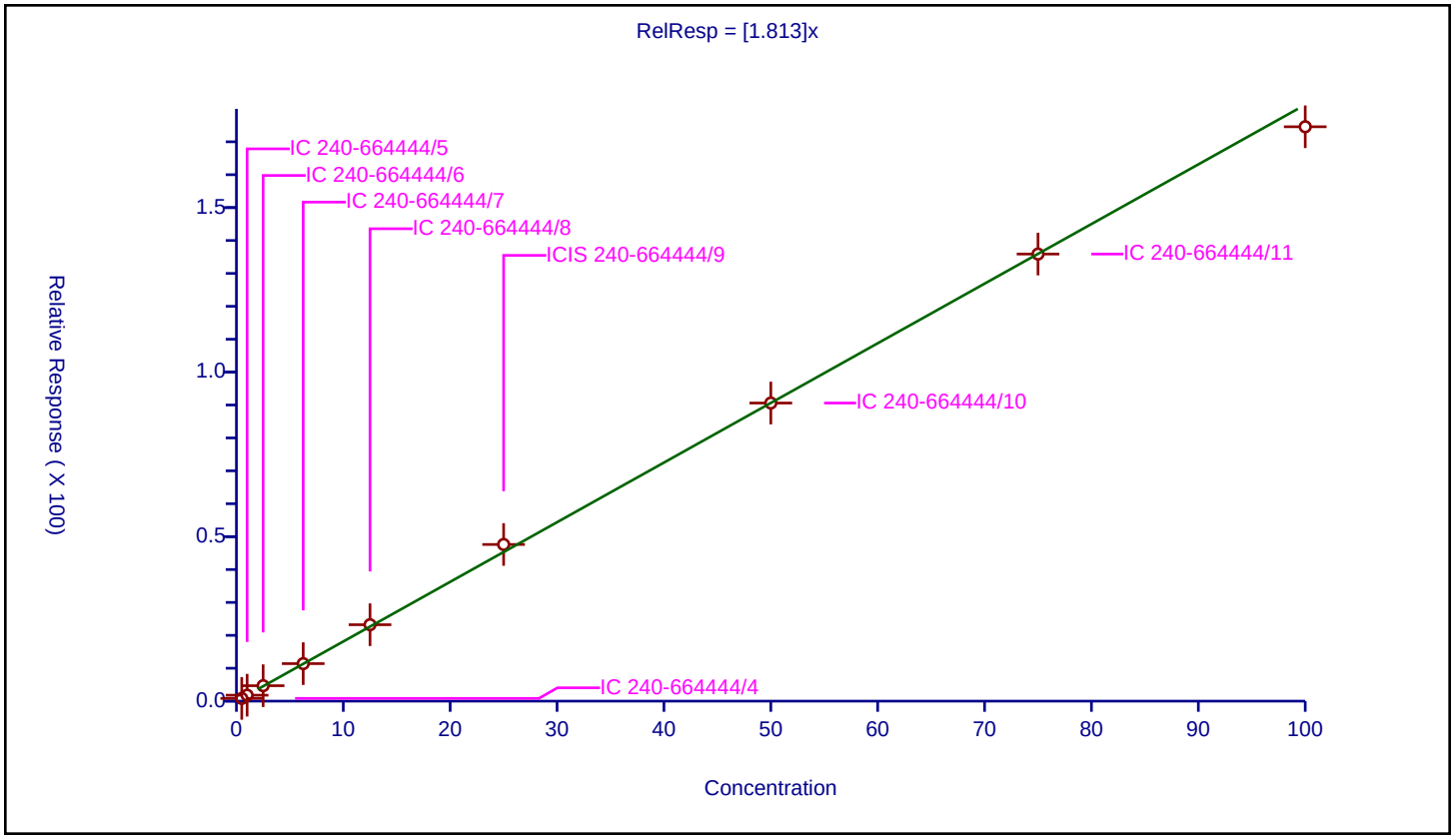
Curve Coefficients

Intercept:	0
Slope:	1.813

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.834679	25.0	875606.0	1.669358	Y
2	IC 240-664444/5	1.0	1.812705	25.0	843408.0	1.812705	Y
3	IC 240-664444/6	2.5	4.687361	25.0	842345.0	1.874944	Y
4	IC 240-664444/7	6.25	11.399123	25.0	876199.0	1.82386	Y
5	IC 240-664444/8	12.5	23.227838	25.0	861053.0	1.858227	Y
6	ICIS 240-664444/9	25.0	47.6167	25.0	860110.0	1.904668	Y
7	IC 240-664444/10	50.0	90.602081	25.0	917070.0	1.812042	Y
8	IC 240-664444/11	75.0	135.884513	25.0	909331.0	1.811794	Y
9	IC 240-664444/12	100.0	174.57201	25.0	928643.0	1.74572	Y



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Calibration / trans-1,3-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

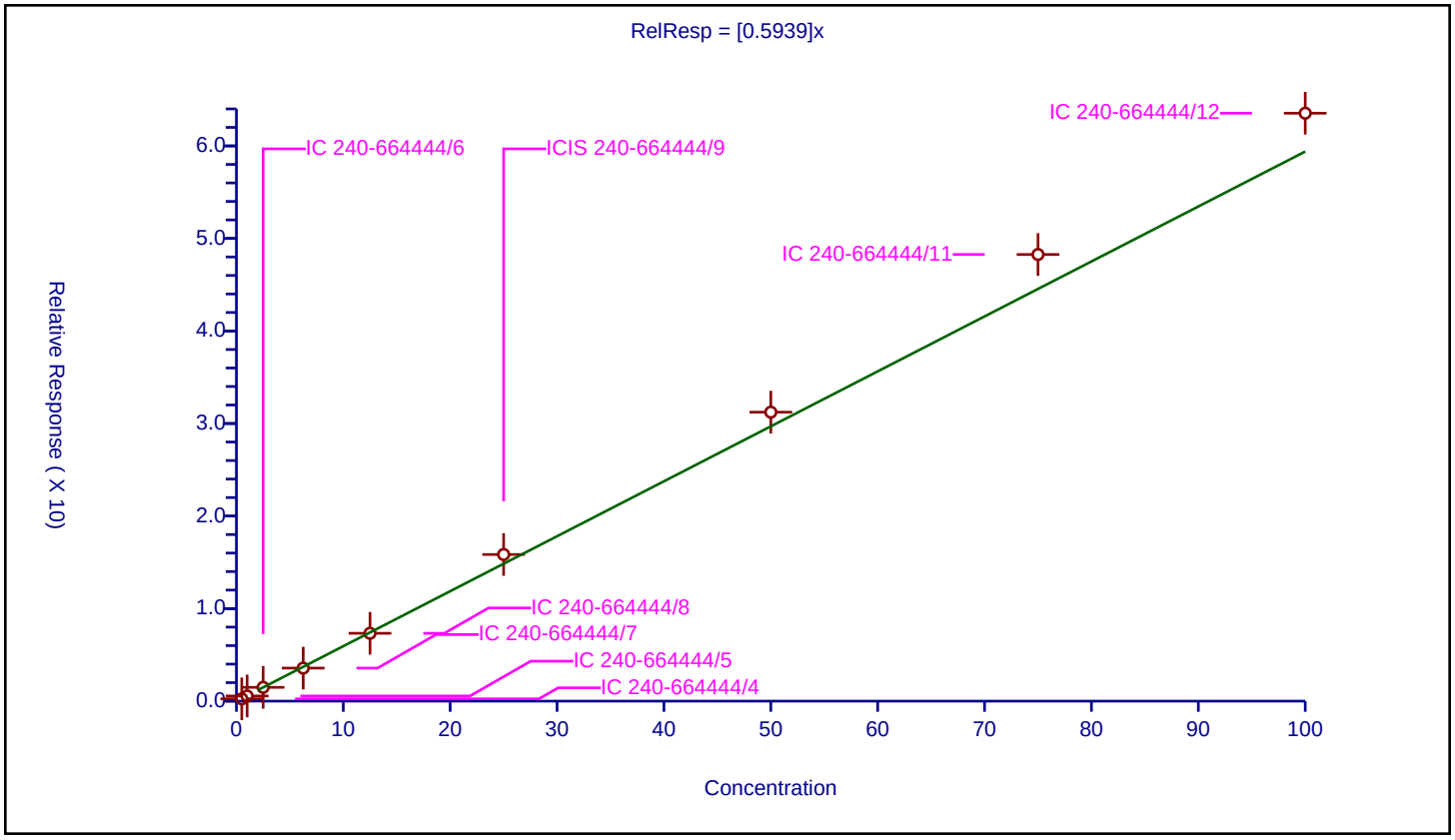
Curve Coefficients

Intercept:	0
Slope:	0.5939

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.248742	25.0	875606.0	0.497484	Y
2	IC 240-664444/5	1.0	0.557115	25.0	843408.0	0.557115	Y
3	IC 240-664444/6	2.5	1.489532	25.0	842345.0	0.595813	Y
4	IC 240-664444/7	6.25	3.569566	25.0	876199.0	0.571131	Y
5	IC 240-664444/8	12.5	7.330791	25.0	861053.0	0.586463	Y
6	ICIS 240-664444/9	25.0	15.845822	25.0	860110.0	0.633833	Y
7	IC 240-664444/10	50.0	31.227196	25.0	917070.0	0.624544	Y
8	IC 240-664444/11	75.0	48.264081	25.0	909331.0	0.643521	Y
9	IC 240-664444/12	100.0	63.534534	25.0	928643.0	0.635345	Y



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Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

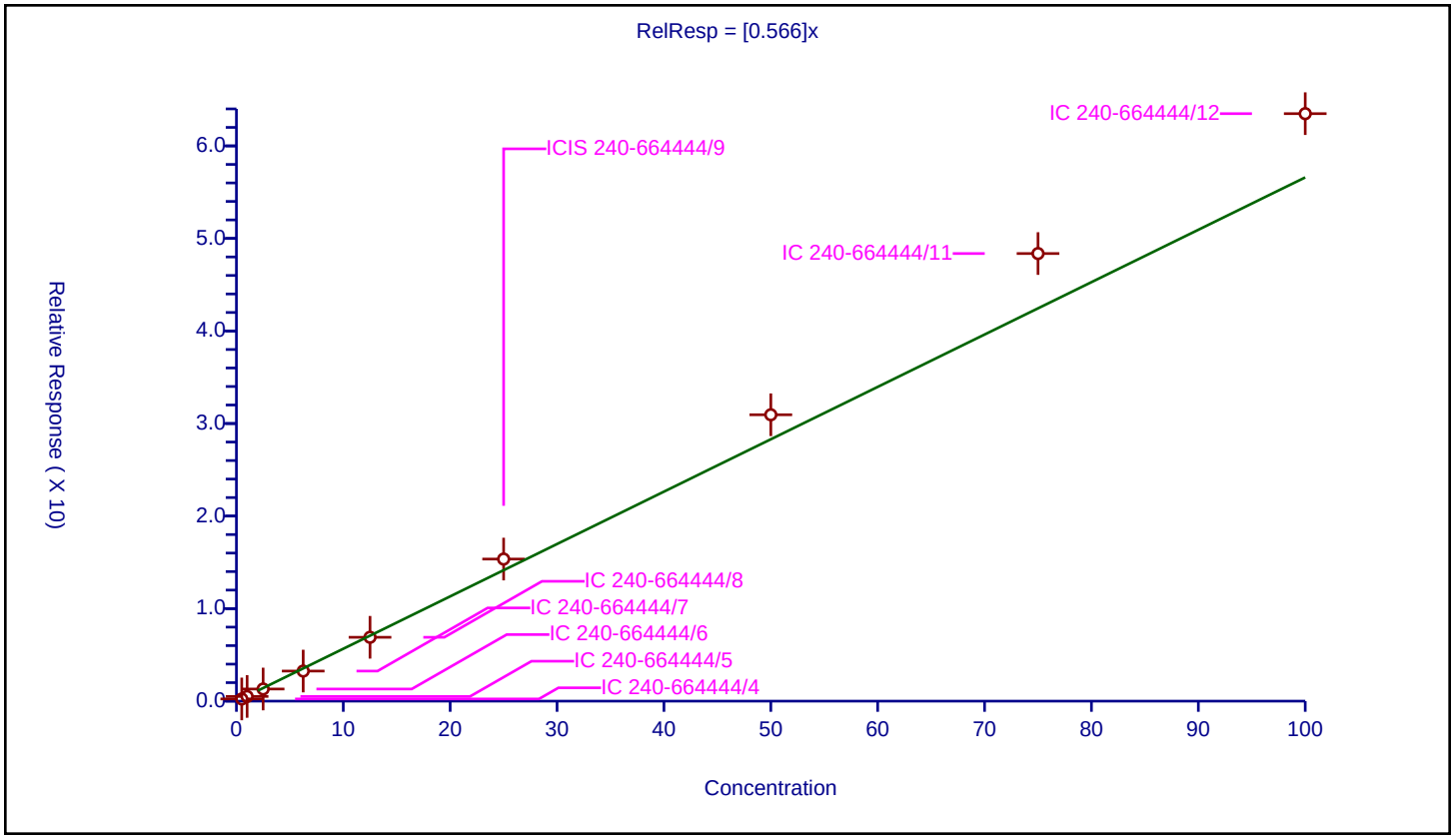
Curve Coefficients

Intercept:	0
Slope:	0.566

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.237949	25.0	875606.0	0.475899	Y
2	IC 240-664444/5	1.0	0.508443	25.0	843408.0	0.508443	Y
3	IC 240-664444/6	2.5	1.309944	25.0	842345.0	0.523978	Y
4	IC 240-664444/7	6.25	3.251516	25.0	876199.0	0.520243	Y
5	IC 240-664444/8	12.5	6.901695	25.0	861053.0	0.552136	Y
6	ICIS 240-664444/9	25.0	15.354635	25.0	860110.0	0.614185	Y
7	IC 240-664444/10	50.0	30.946302	25.0	917070.0	0.618926	Y
8	IC 240-664444/11	75.0	48.368168	25.0	909331.0	0.644909	Y
9	IC 240-664444/12	100.0	63.486103	25.0	928643.0	0.634861	Y



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

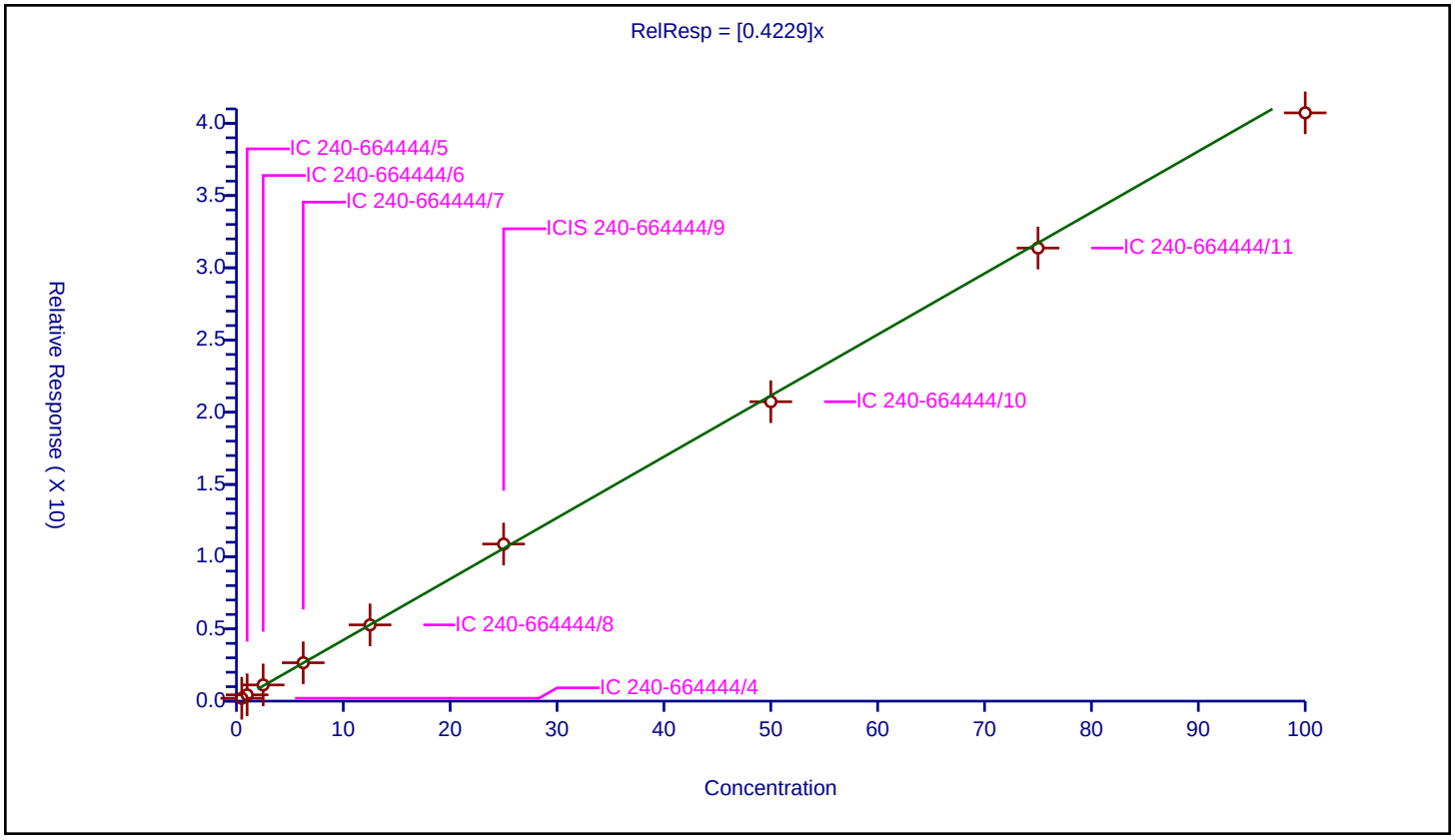
Curve Coefficients

Intercept:	0
Slope:	0.4229

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.19989	25.0	875606.0	0.39978	Y
2	IC 240-664444/5	1.0	0.435732	25.0	843408.0	0.435732	Y
3	IC 240-664444/6	2.5	1.121096	25.0	842345.0	0.448439	Y
4	IC 240-664444/7	6.25	2.657587	25.0	876199.0	0.425214	Y
5	IC 240-664444/8	12.5	5.277405	25.0	861053.0	0.422192	Y
6	ICIS 240-664444/9	25.0	10.876603	25.0	860110.0	0.435064	Y
7	IC 240-664444/10	50.0	20.729007	25.0	917070.0	0.41458	Y
8	IC 240-664444/11	75.0	31.367868	25.0	909331.0	0.418238	Y
9	IC 240-664444/12	100.0	40.72558	25.0	928643.0	0.407256	Y



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Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

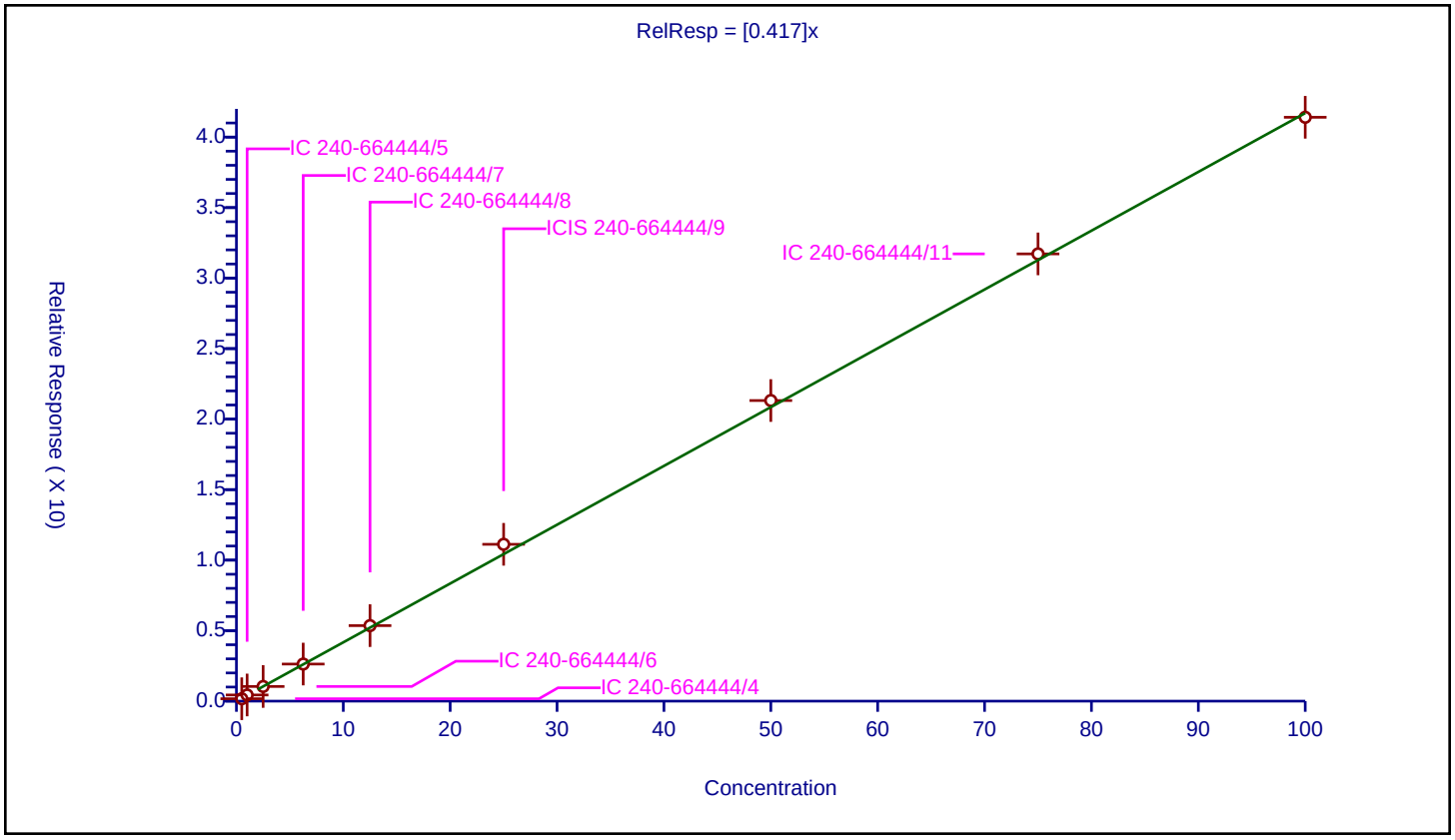
Curve Coefficients

Intercept:	0
Slope:	0.417

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.171367	25.0	875606.0	0.342734	Y
2	IC 240-664444/5	1.0	0.43674	25.0	843408.0	0.43674	Y
3	IC 240-664444/6	2.5	1.04028	25.0	842345.0	0.416112	Y
4	IC 240-664444/7	6.25	2.630224	25.0	876199.0	0.420836	Y
5	IC 240-664444/8	12.5	5.356407	25.0	861053.0	0.428513	Y
6	ICIS 240-664444/9	25.0	11.121543	25.0	860110.0	0.444862	Y
7	IC 240-664444/10	50.0	21.318602	25.0	917070.0	0.426372	Y
8	IC 240-664444/11	75.0	31.716971	25.0	909331.0	0.422893	Y
9	IC 240-664444/12	100.0	41.404689	25.0	928643.0	0.414047	Y



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Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

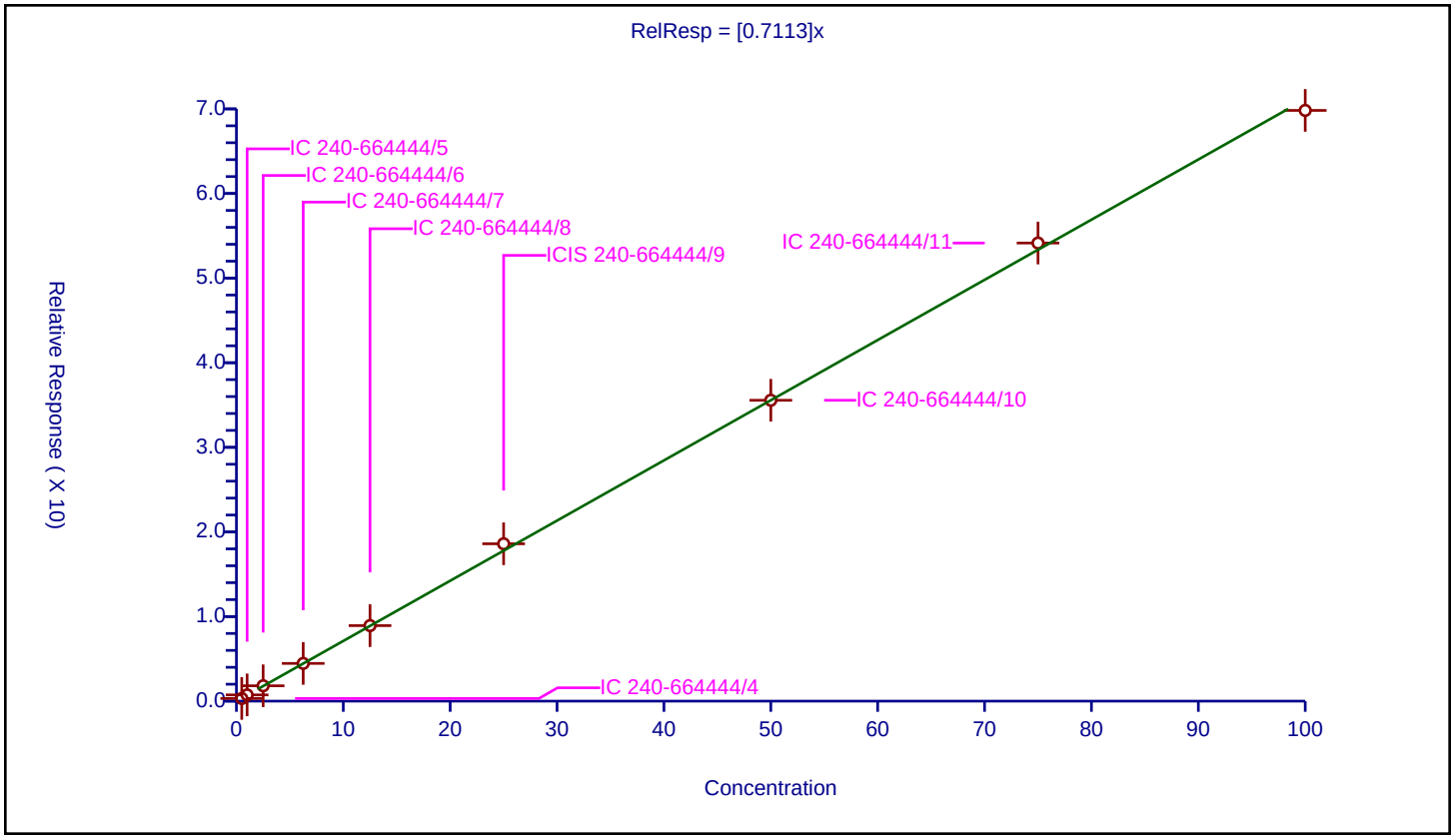
Curve Coefficients

Intercept:	0
Slope:	0.7113

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.317152	25.0	875606.0	0.634304	Y
2	IC 240-664444/5	1.0	0.738788	25.0	843408.0	0.738788	Y
3	IC 240-664444/6	2.5	1.815082	25.0	842345.0	0.726033	Y
4	IC 240-664444/7	6.25	4.457692	25.0	876199.0	0.713231	Y
5	IC 240-664444/8	12.5	8.92686	25.0	861053.0	0.714149	Y
6	ICIS 240-664444/9	25.0	18.598522	25.0	860110.0	0.743941	Y
7	IC 240-664444/10	50.0	35.562607	25.0	917070.0	0.711252	Y
8	IC 240-664444/11	75.0	54.146098	25.0	909331.0	0.721948	Y
9	IC 240-664444/12	100.0	69.819511	25.0	928643.0	0.698195	Y



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Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

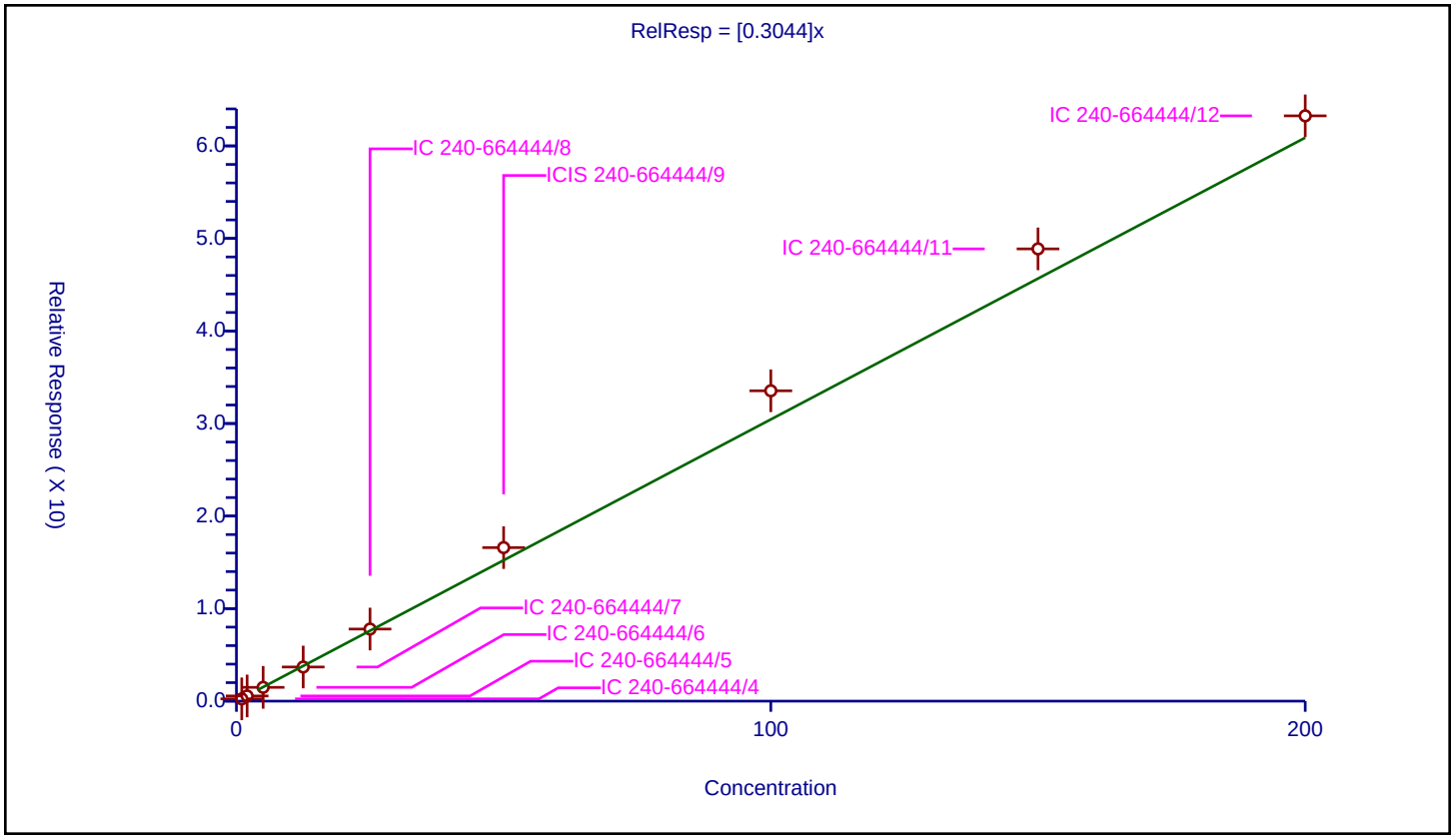
Curve Coefficients

Intercept:	0
Slope:	0.3044

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	1.0	0.246544	25.0	875606.0	0.246544	Y
2	IC 240-664444/5	2.0	0.559071	25.0	843408.0	0.279536	Y
3	IC 240-664444/6	5.0	1.489206	25.0	842345.0	0.297841	Y
4	IC 240-664444/7	12.5	3.689487	25.0	876199.0	0.295159	Y
5	IC 240-664444/8	25.0	7.790316	25.0	861053.0	0.311613	Y
6	ICIS 240-664444/9	50.0	16.589739	25.0	860110.0	0.331795	Y
7	IC 240-664444/10	100.0	33.538552	25.0	917070.0	0.335386	Y
8	IC 240-664444/11	150.0	48.87266	25.0	909331.0	0.325818	Y
9	IC 240-664444/12	200.0	63.249333	25.0	928643.0	0.316247	Y



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Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

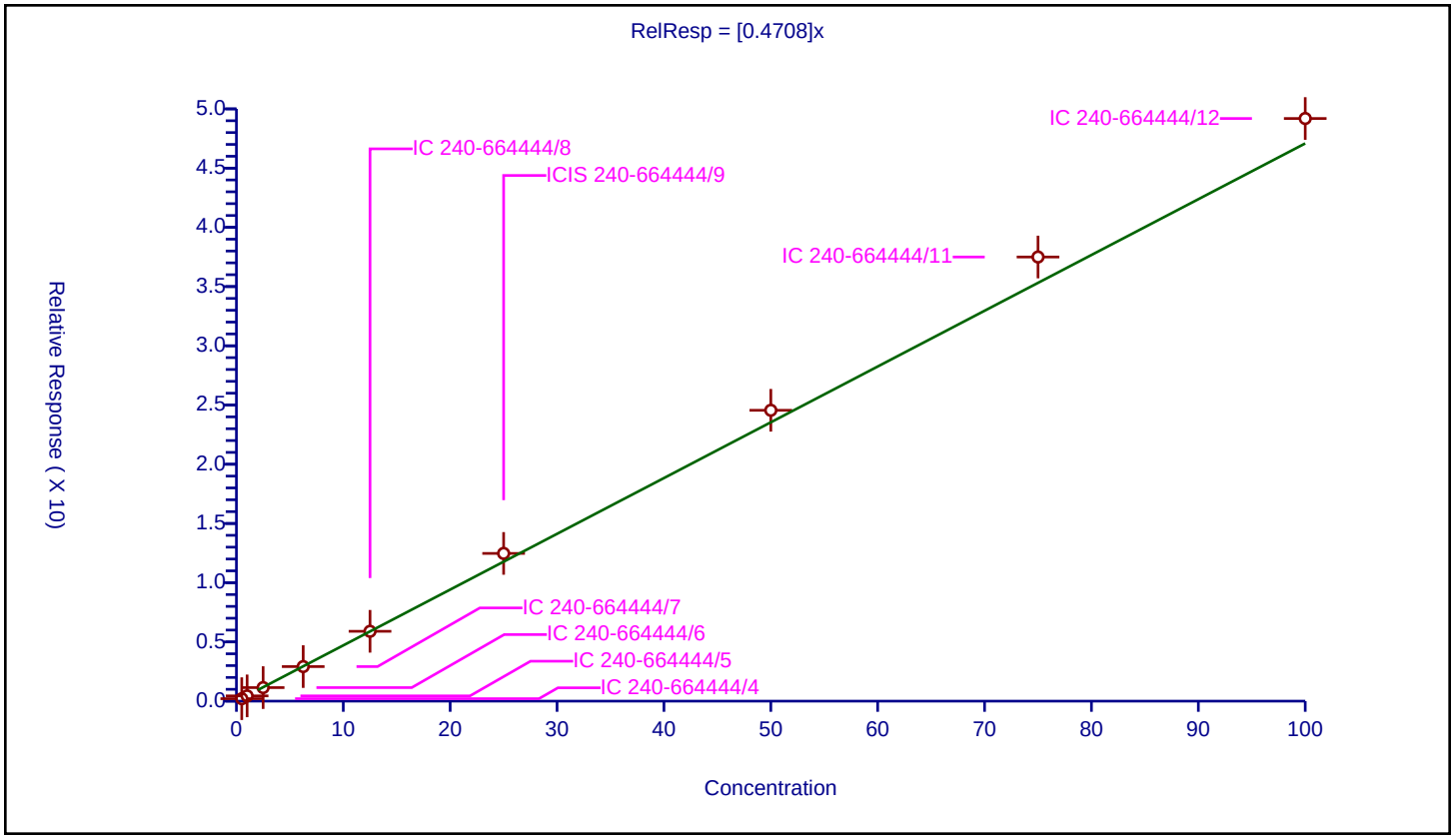
Curve Coefficients

Intercept:	0
Slope:	0.4708

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.207628	25.0	875606.0	0.415255	Y
2	IC 240-664444/5	1.0	0.444269	25.0	843408.0	0.444269	Y
3	IC 240-664444/6	2.5	1.144038	25.0	842345.0	0.457615	Y
4	IC 240-664444/7	6.25	2.917944	25.0	876199.0	0.466871	Y
5	IC 240-664444/8	12.5	5.896008	25.0	861053.0	0.471681	Y
6	ICIS 240-664444/9	25.0	12.471341	25.0	860110.0	0.498854	Y
7	IC 240-664444/10	50.0	24.554505	25.0	917070.0	0.49109	Y
8	IC 240-664444/11	75.0	37.496027	25.0	909331.0	0.499947	Y
9	IC 240-664444/12	100.0	49.188789	25.0	928643.0	0.491888	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

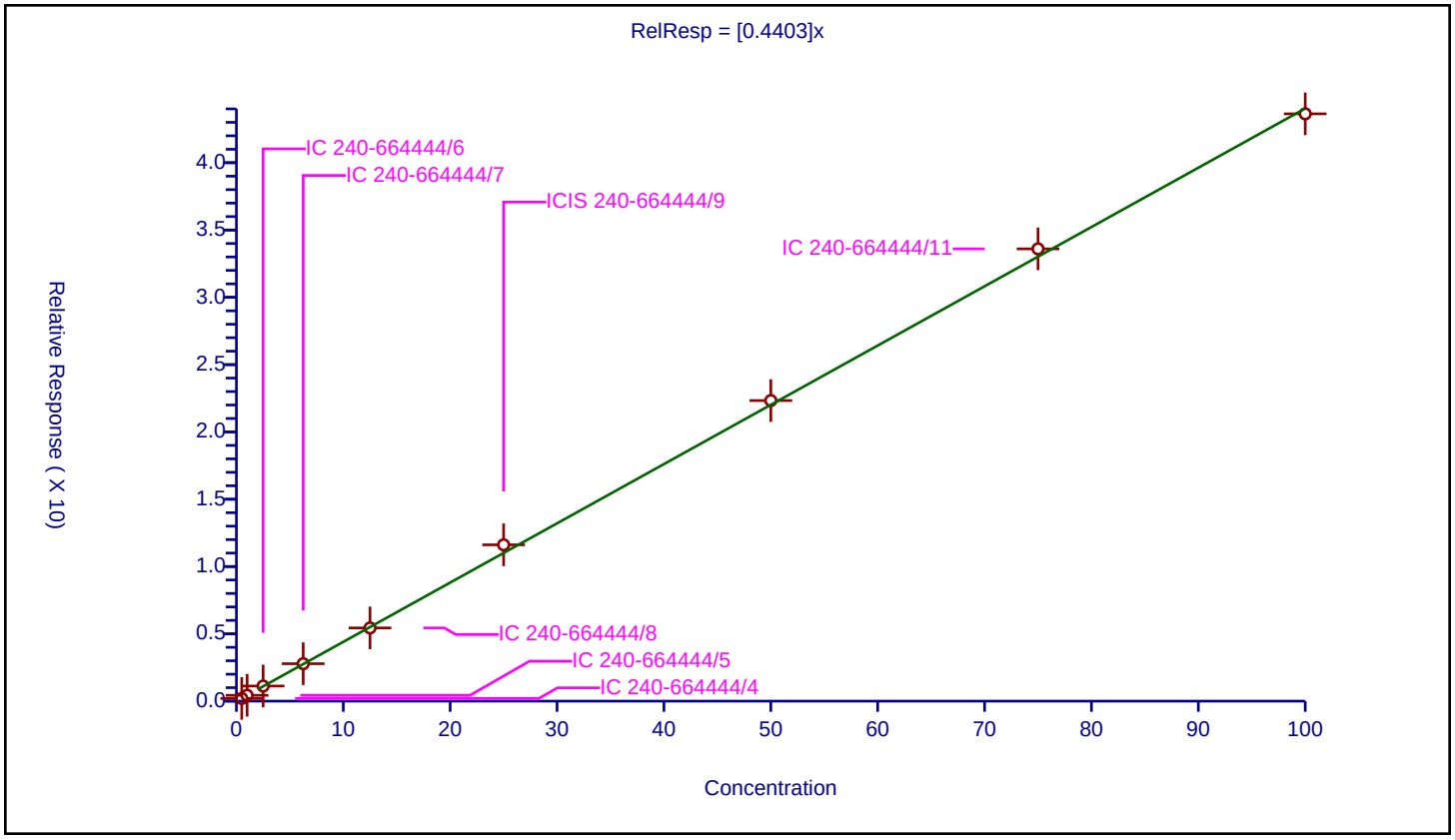
Curve Coefficients

Intercept:	0
Slope:	0.4403

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.201489	25.0	875606.0	0.402978	Y
2	IC 240-664444/5	1.0	0.43505	25.0	843408.0	0.43505	Y
3	IC 240-664444/6	2.5	1.122462	25.0	842345.0	0.448985	Y
4	IC 240-664444/7	6.25	2.781303	25.0	876199.0	0.445008	Y
5	IC 240-664444/8	12.5	5.438661	25.0	861053.0	0.435093	Y
6	ICIS 240-664444/9	25.0	11.613834	25.0	860110.0	0.464553	Y
7	IC 240-664444/10	50.0	22.33112	25.0	917070.0	0.446622	Y
8	IC 240-664444/11	75.0	33.601901	25.0	909331.0	0.448025	Y
9	IC 240-664444/12	100.0	43.632322	25.0	928643.0	0.436323	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

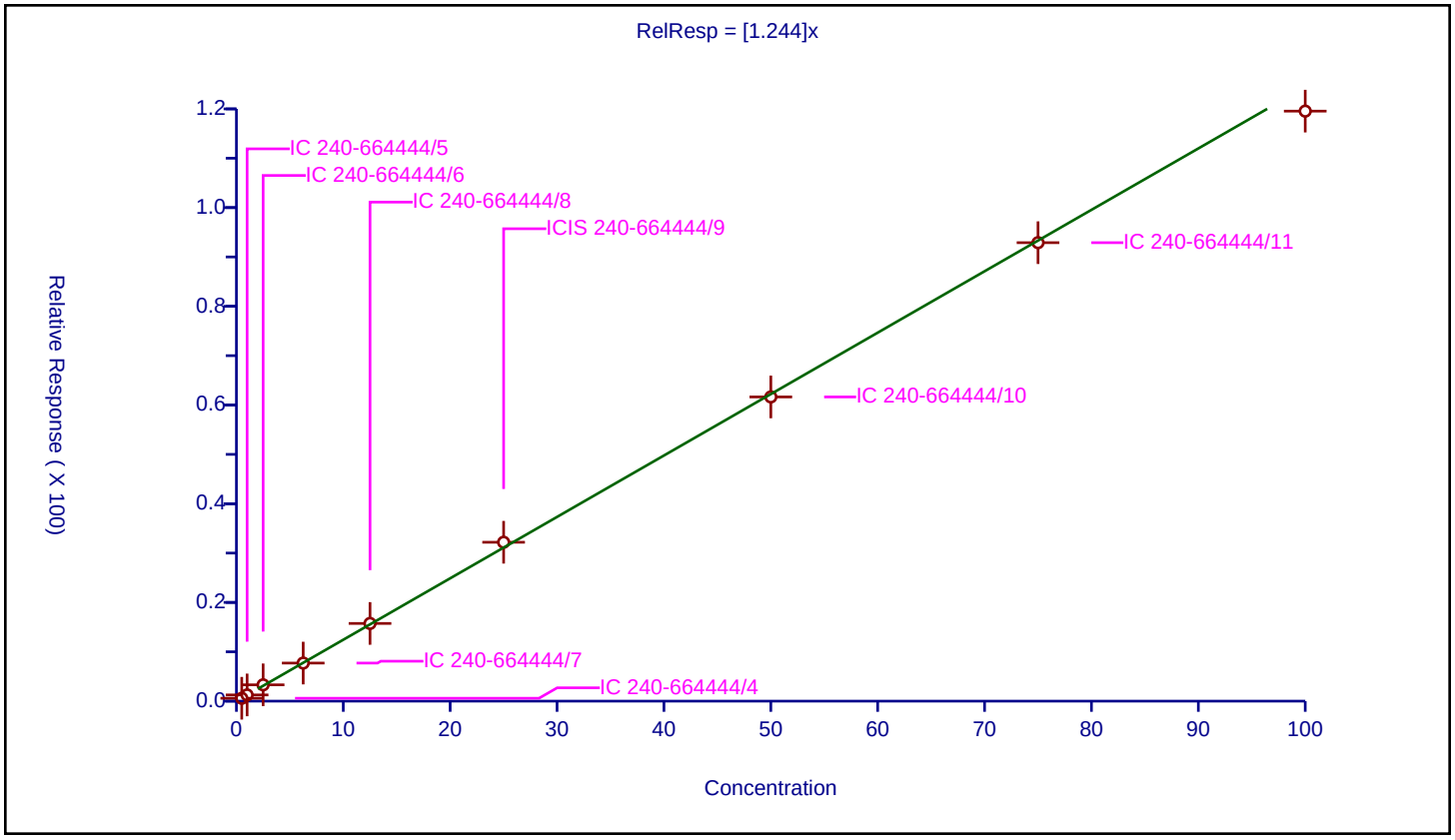
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.584709	25.0	875606.0	1.169419	Y
2	IC 240-664444/5	1.0	1.257814	25.0	843408.0	1.257814	Y
3	IC 240-664444/6	2.5	3.30592	25.0	842345.0	1.322368	Y
4	IC 240-664444/7	6.25	7.716911	25.0	876199.0	1.234706	Y
5	IC 240-664444/8	12.5	15.742295	25.0	861053.0	1.259384	Y
6	ICIS 240-664444/9	25.0	32.192801	25.0	860110.0	1.287712	Y
7	IC 240-664444/10	50.0	61.638643	25.0	917070.0	1.232773	Y
8	IC 240-664444/11	75.0	92.895656	25.0	909331.0	1.238609	Y
9	IC 240-664444/12	100.0	119.545751	25.0	928643.0	1.195458	Y



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Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

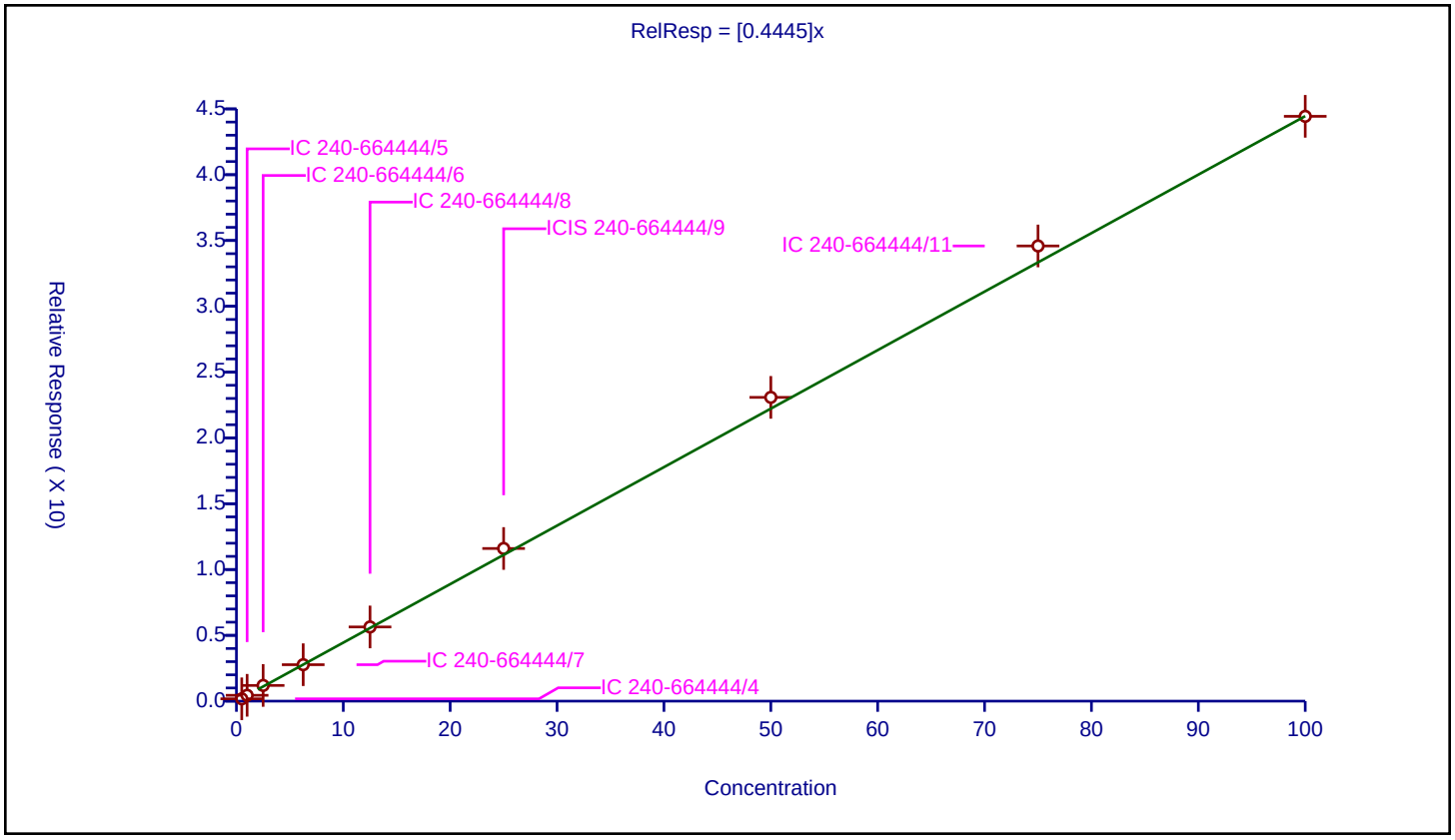
Curve Coefficients

Intercept:	0
Slope:	0.4445

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.176506	25.0	875606.0	0.353013	Y
2	IC 240-664444/5	1.0	0.445069	25.0	843408.0	0.445069	Y
3	IC 240-664444/6	2.5	1.19286	25.0	842345.0	0.477144	Y
4	IC 240-664444/7	6.25	2.770233	25.0	876199.0	0.443237	Y
5	IC 240-664444/8	12.5	5.637806	25.0	861053.0	0.451025	Y
6	ICIS 240-664444/9	25.0	11.598022	25.0	860110.0	0.463921	Y
7	IC 240-664444/10	50.0	23.080735	25.0	917070.0	0.461615	Y
8	IC 240-664444/11	75.0	34.585921	25.0	909331.0	0.461146	Y
9	IC 240-664444/12	100.0	44.436263	25.0	928643.0	0.444363	Y



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Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

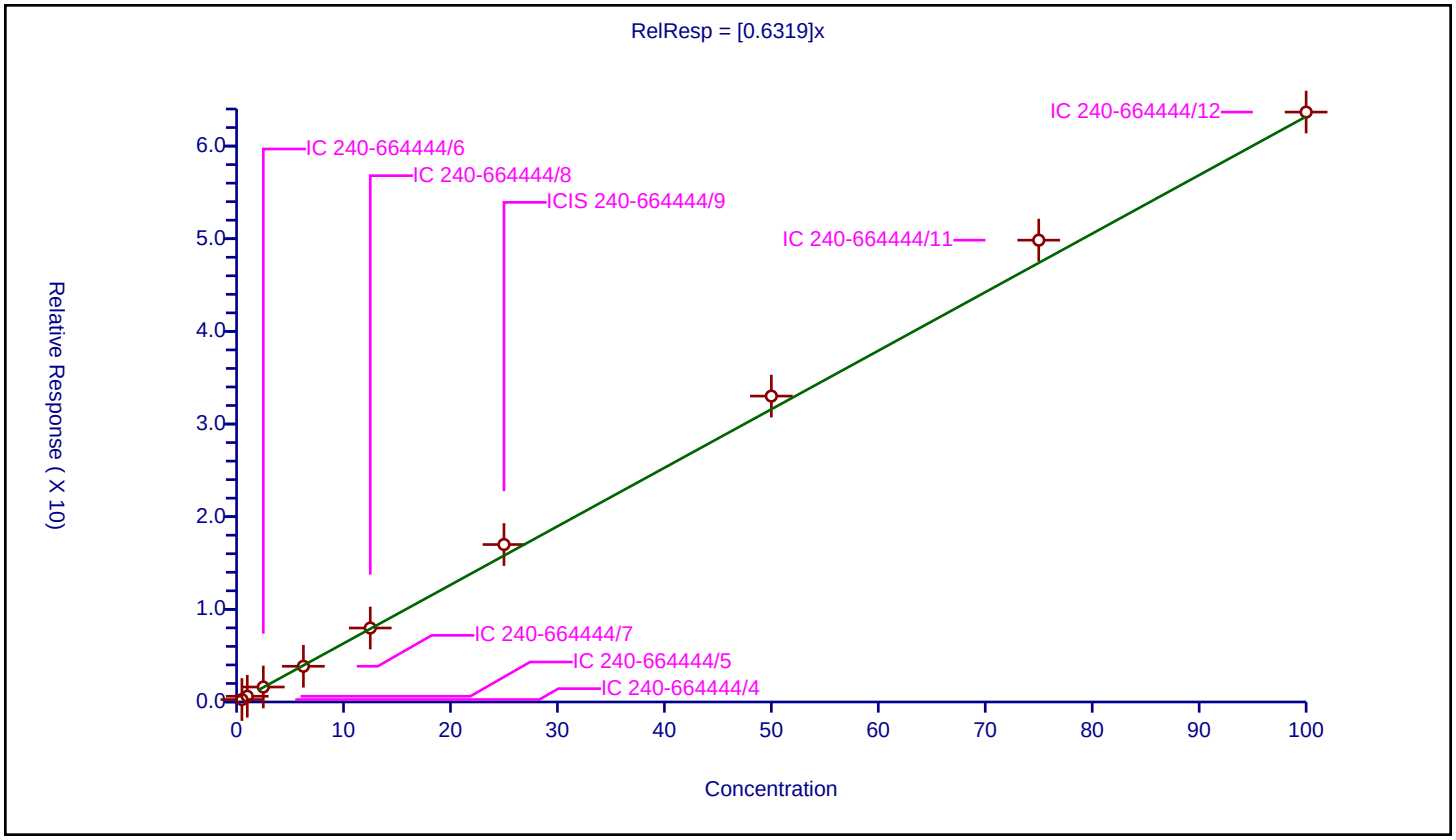
Curve Coefficients

Intercept:	0
Slope:	0.6319

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.262818	25.0	875606.0	0.525636	Y
2	IC 240-664444/5	1.0	0.617762	25.0	843408.0	0.617762	Y
3	IC 240-664444/6	2.5	1.616024	25.0	842345.0	0.64641	Y
4	IC 240-664444/7	6.25	3.855545	25.0	876199.0	0.616887	Y
5	IC 240-664444/8	12.5	7.984584	25.0	861053.0	0.638767	Y
6	ICIS 240-664444/9	25.0	16.994629	25.0	860110.0	0.679785	Y
7	IC 240-664444/10	50.0	33.015364	25.0	917070.0	0.660307	Y
8	IC 240-664444/11	75.0	49.844749	25.0	909331.0	0.664597	Y
9	IC 240-664444/12	100.0	63.667658	25.0	928643.0	0.636677	Y



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Calibration / m-Xylene & p-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

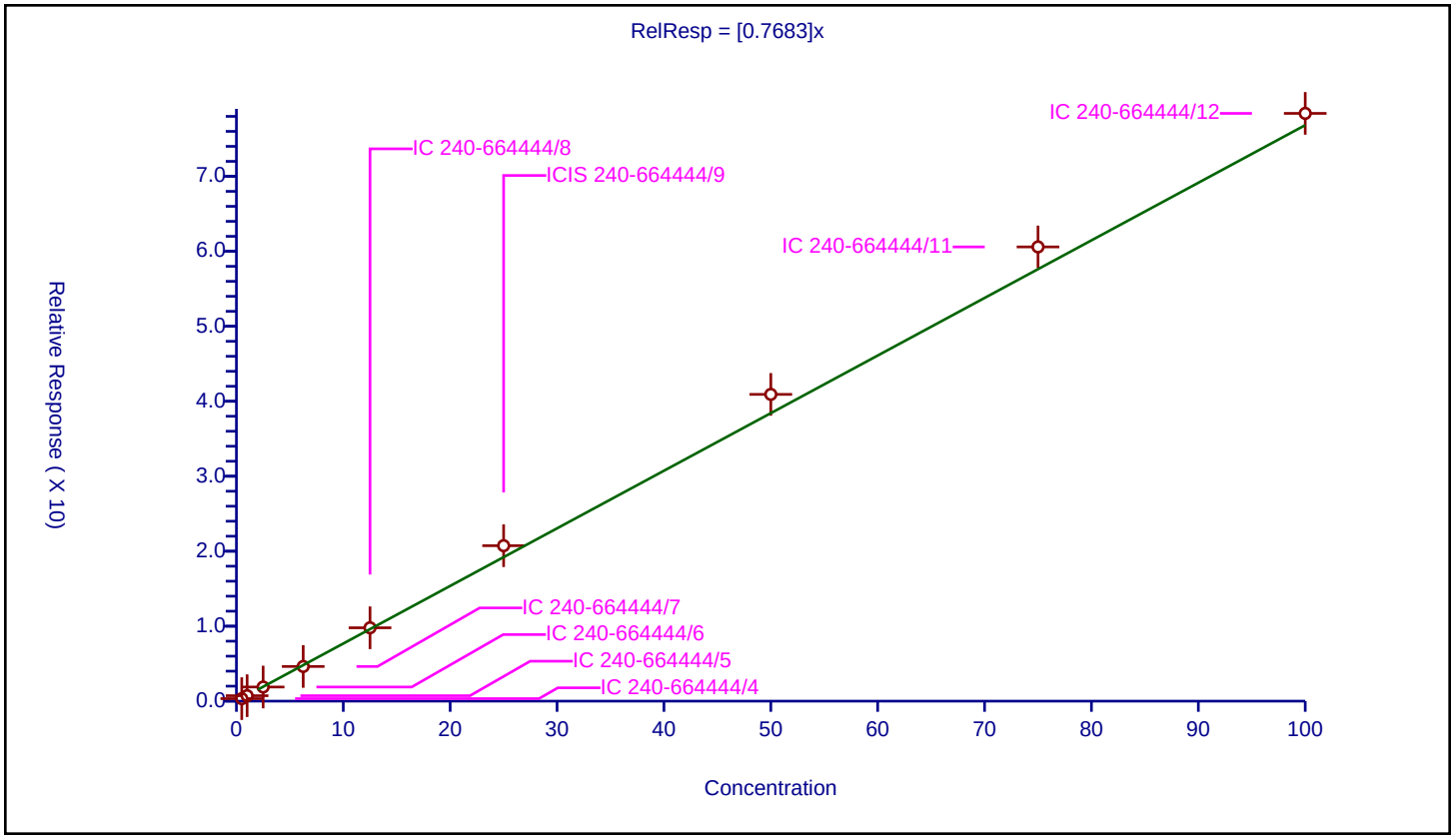
Curve Coefficients

Intercept:	0
Slope:	0.7683

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.335482	25.0	875606.0	0.670964	Y
2	IC 240-664444/5	1.0	0.727465	25.0	843408.0	0.727465	Y
3	IC 240-664444/6	2.5	1.884442	25.0	842345.0	0.753777	Y
4	IC 240-664444/7	6.25	4.624263	25.0	876199.0	0.739882	Y
5	IC 240-664444/8	12.5	9.786099	25.0	861053.0	0.782888	Y
6	ICIS 240-664444/9	25.0	20.735952	25.0	860110.0	0.829438	Y
7	IC 240-664444/10	50.0	40.919068	25.0	917070.0	0.818381	Y
8	IC 240-664444/11	75.0	60.588361	25.0	909331.0	0.807845	Y
9	IC 240-664444/12	100.0	78.399638	25.0	928643.0	0.783996	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

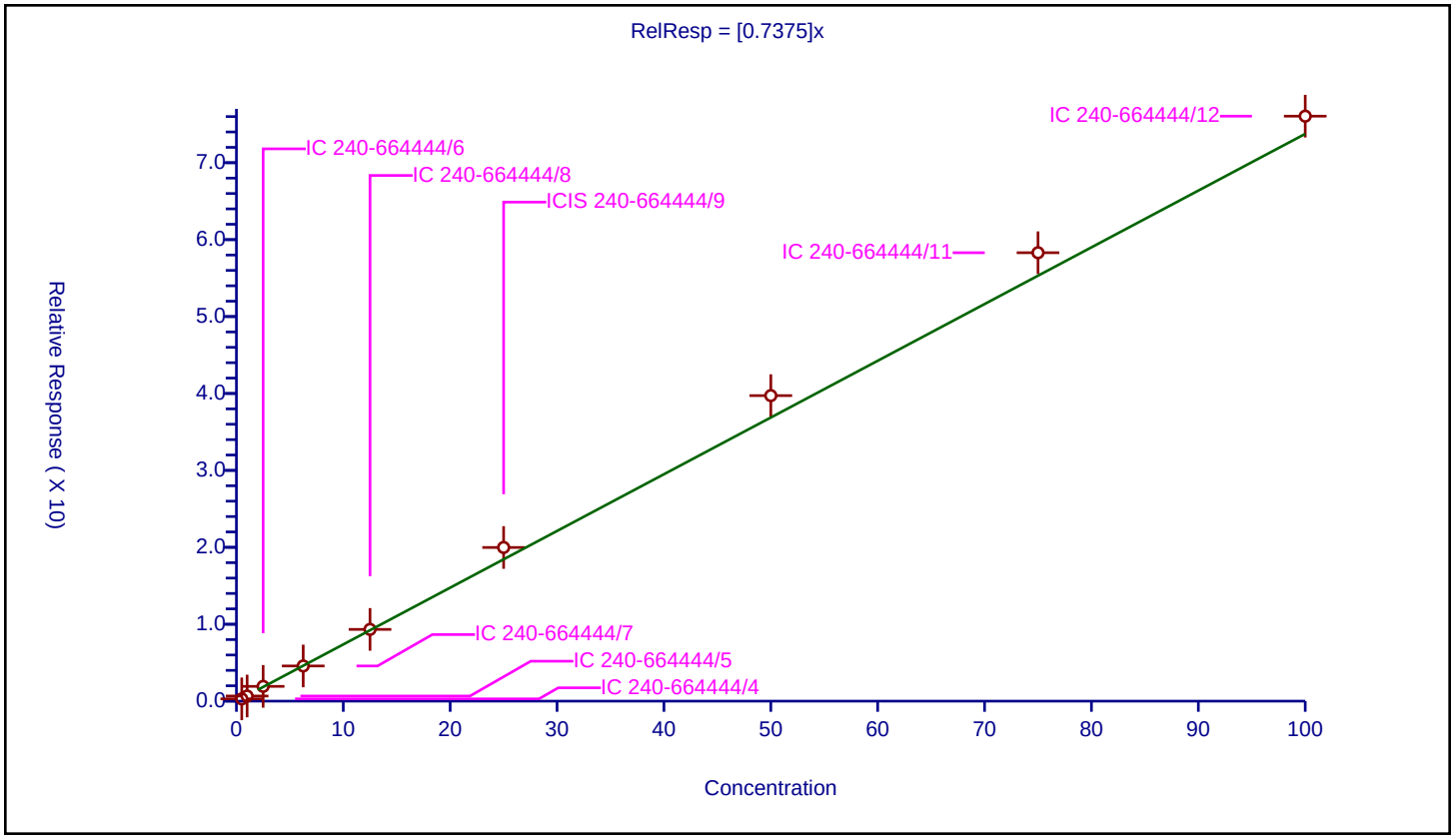
Curve Coefficients

Intercept:	0
Slope:	0.7375

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.296566	25.0	875606.0	0.593132	Y
2	IC 240-664444/5	1.0	0.666374	25.0	843408.0	0.666374	Y
3	IC 240-664444/6	2.5	1.921689	25.0	842345.0	0.768676	Y
4	IC 240-664444/7	6.25	4.572078	25.0	876199.0	0.731532	Y
5	IC 240-664444/8	12.5	9.32852	25.0	861053.0	0.746282	Y
6	ICIS 240-664444/9	25.0	19.979886	25.0	860110.0	0.799195	Y
7	IC 240-664444/10	50.0	39.722186	25.0	917070.0	0.794444	Y
8	IC 240-664444/11	75.0	58.299563	25.0	909331.0	0.777328	Y
9	IC 240-664444/12	100.0	76.05358	25.0	928643.0	0.760536	Y



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Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

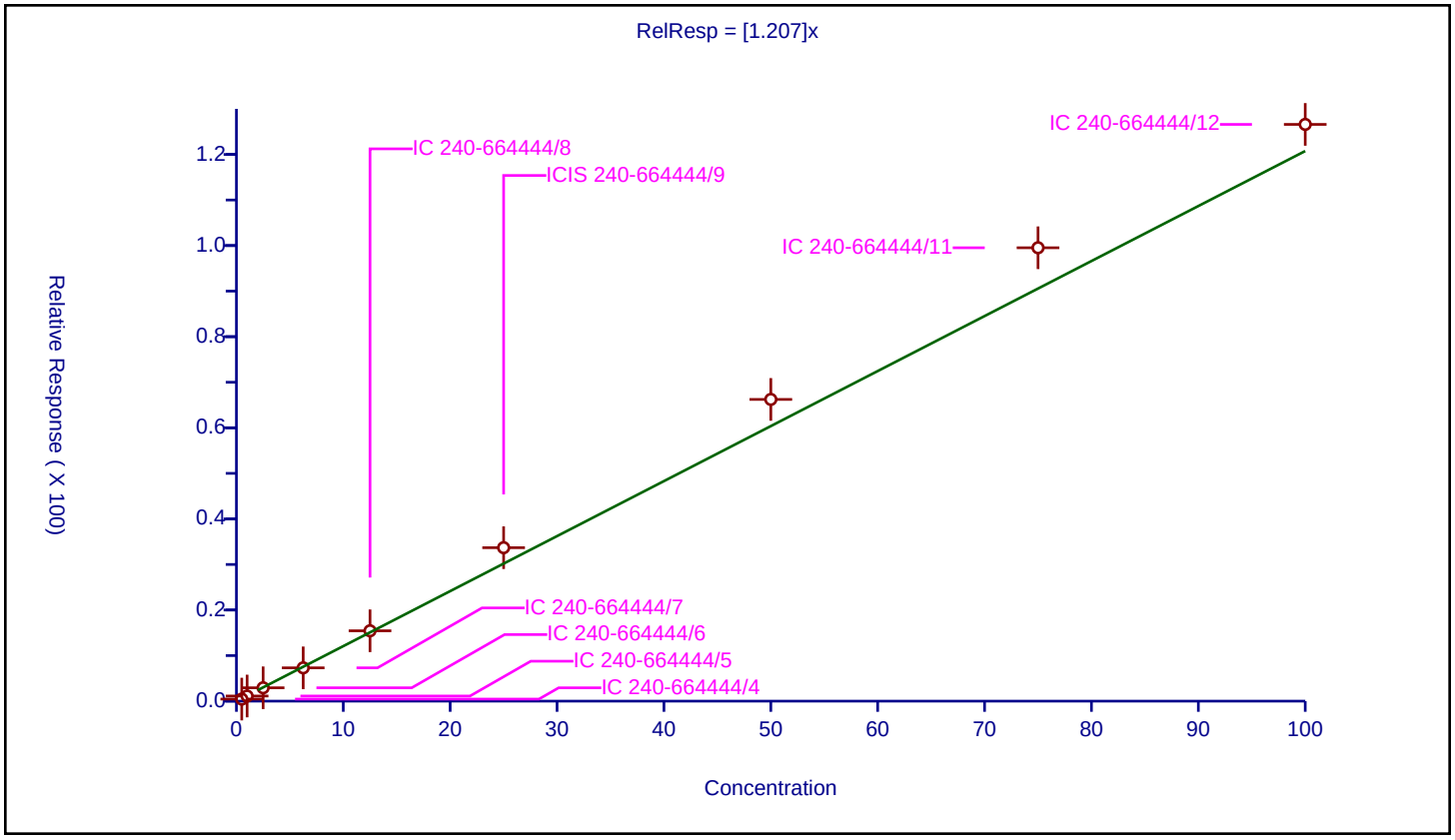
Curve Coefficients

Intercept:	0
Slope:	1.207

Error Coefficients

Relative Standard Deviation:	11.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.45026	25.0	875606.0	0.900519	Y
2	IC 240-664444/5	1.0	1.125434	25.0	843408.0	1.125434	Y
3	IC 240-664444/6	2.5	2.929144	25.0	842345.0	1.171658	Y
4	IC 240-664444/7	6.25	7.309298	25.0	876199.0	1.169488	Y
5	IC 240-664444/8	12.5	15.442284	25.0	861053.0	1.235383	Y
6	ICIS 240-664444/9	25.0	33.685401	25.0	860110.0	1.347416	Y
7	IC 240-664444/10	50.0	66.228178	25.0	917070.0	1.324564	Y
8	IC 240-664444/11	75.0	99.5172	25.0	909331.0	1.326896	Y
9	IC 240-664444/12	100.0	126.594262	25.0	928643.0	1.265943	Y



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Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

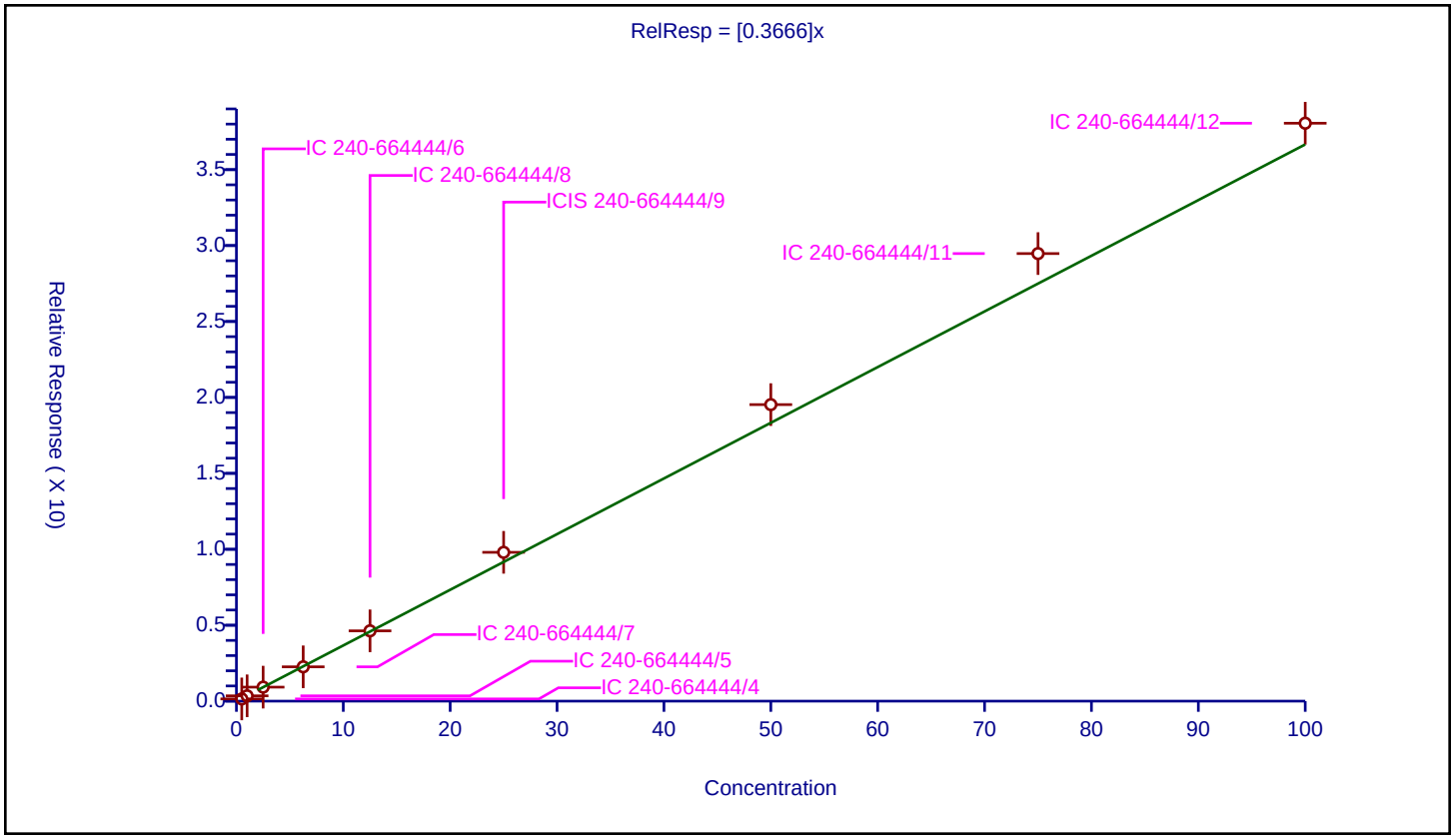
Curve Coefficients

Intercept:	0
Slope:	0.3666

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.146556	25.0	875606.0	0.293111	Y
2	IC 240-664444/5	1.0	0.349327	25.0	843408.0	0.349327	Y
3	IC 240-664444/6	2.5	0.922395	25.0	842345.0	0.368958	Y
4	IC 240-664444/7	6.25	2.25919	25.0	876199.0	0.36147	Y
5	IC 240-664444/8	12.5	4.630058	25.0	861053.0	0.370405	Y
6	ICIS 240-664444/9	25.0	9.79959	25.0	860110.0	0.391984	Y
7	IC 240-664444/10	50.0	19.526835	25.0	917070.0	0.390537	Y
8	IC 240-664444/11	75.0	29.472849	25.0	909331.0	0.392971	Y
9	IC 240-664444/12	100.0	38.056955	25.0	928643.0	0.38057	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

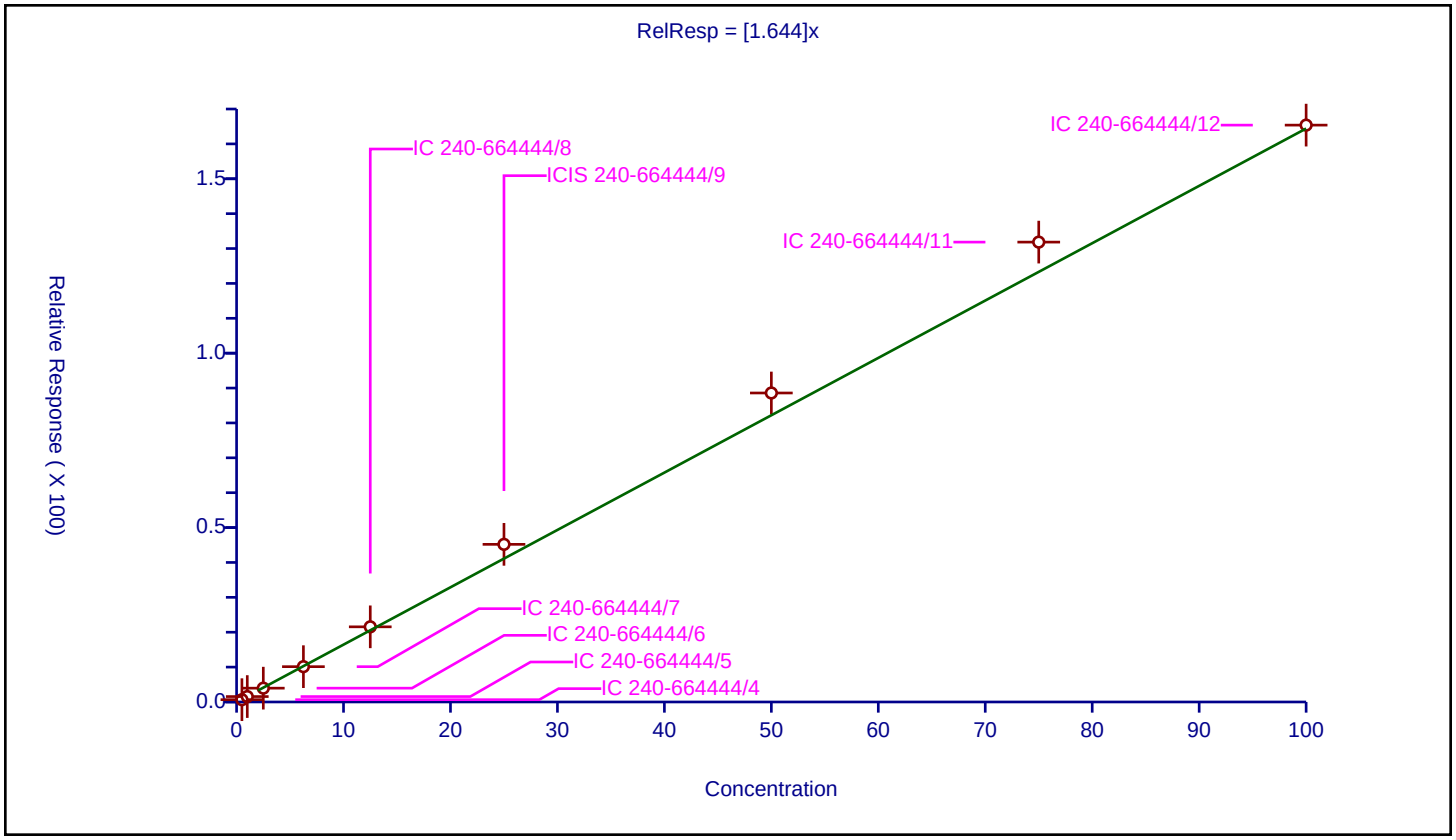
Curve Coefficients

Intercept:	0
Slope:	1.644

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.658201	25.0	875606.0	1.316403	Y
2	IC 240-664444/5	1.0	1.558617	25.0	843408.0	1.558617	Y
3	IC 240-664444/6	2.5	3.964201	25.0	842345.0	1.58568	Y
4	IC 240-664444/7	6.25	10.128721	25.0	876199.0	1.620595	Y
5	IC 240-664444/8	12.5	21.55117	25.0	861053.0	1.724094	Y
6	ICIS 240-664444/9	25.0	45.193929	25.0	860110.0	1.807757	Y
7	IC 240-664444/10	50.0	88.584977	25.0	917070.0	1.7717	Y
8	IC 240-664444/11	75.0	131.841541	25.0	909331.0	1.757887	Y
9	IC 240-664444/12	100.0	165.383872	25.0	928643.0	1.653839	Y



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Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

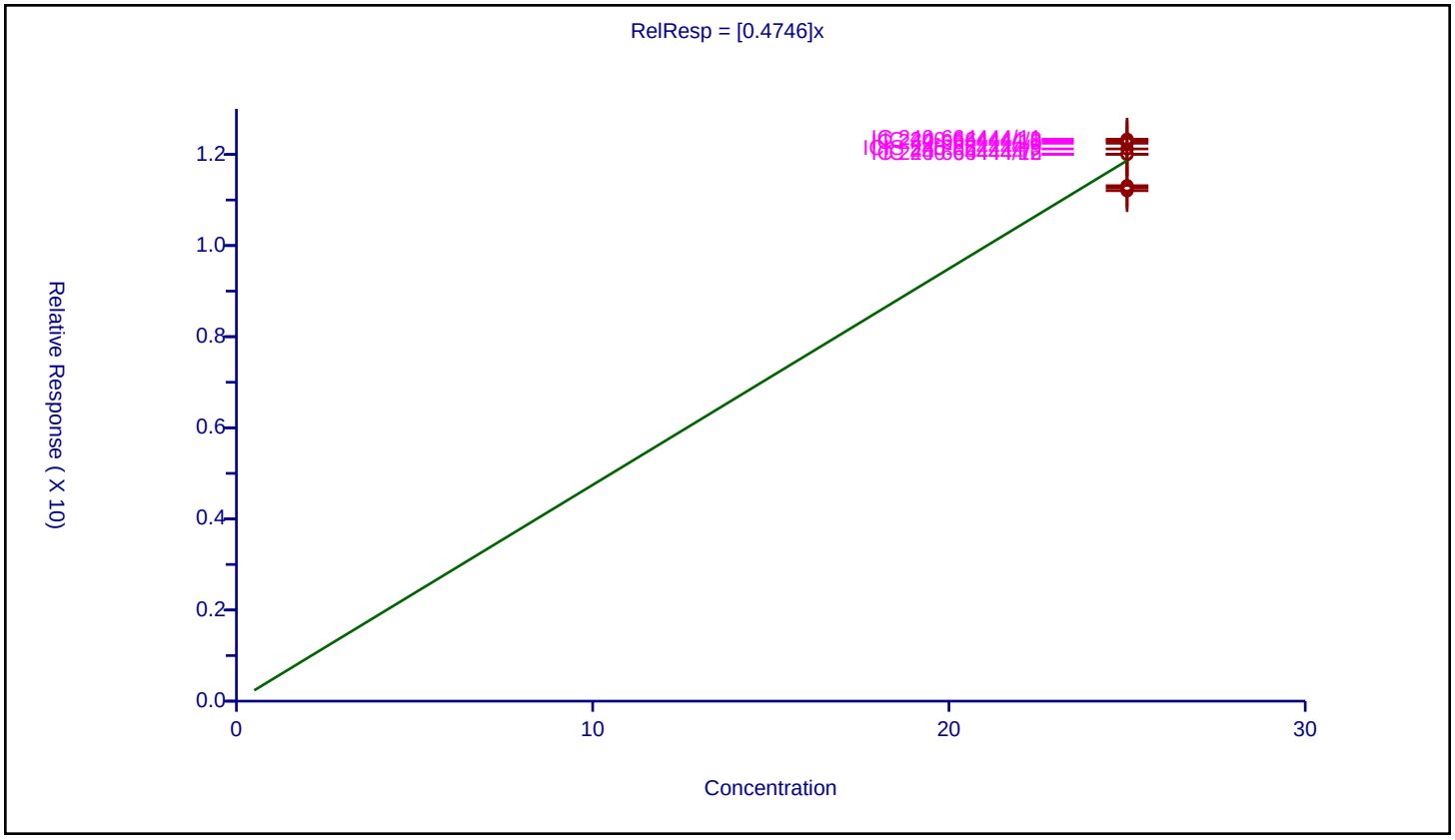
Curve Coefficients

Intercept:	0
Slope:	0.4746

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	25.0	11.262343	25.0	875606.0	0.450494	Y
2	IC 240-664444/5	25.0	11.203771	25.0	843408.0	0.448151	Y
3	IC 240-664444/6	25.0	12.002713	25.0	842345.0	0.480109	Y
4	IC 240-664444/7	25.0	11.314696	25.0	876199.0	0.452588	Y
5	IC 240-664444/8	25.0	12.296601	25.0	861053.0	0.491864	Y
6	ICIS 240-664444/9	25.0	12.121153	25.0	860110.0	0.484846	Y
7	IC 240-664444/10	25.0	12.245657	25.0	917070.0	0.489826	Y
8	IC 240-664444/11	25.0	12.333848	25.0	909331.0	0.493354	Y
9	IC 240-664444/12	25.0	12.005286	25.0	928643.0	0.480211	Y



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Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

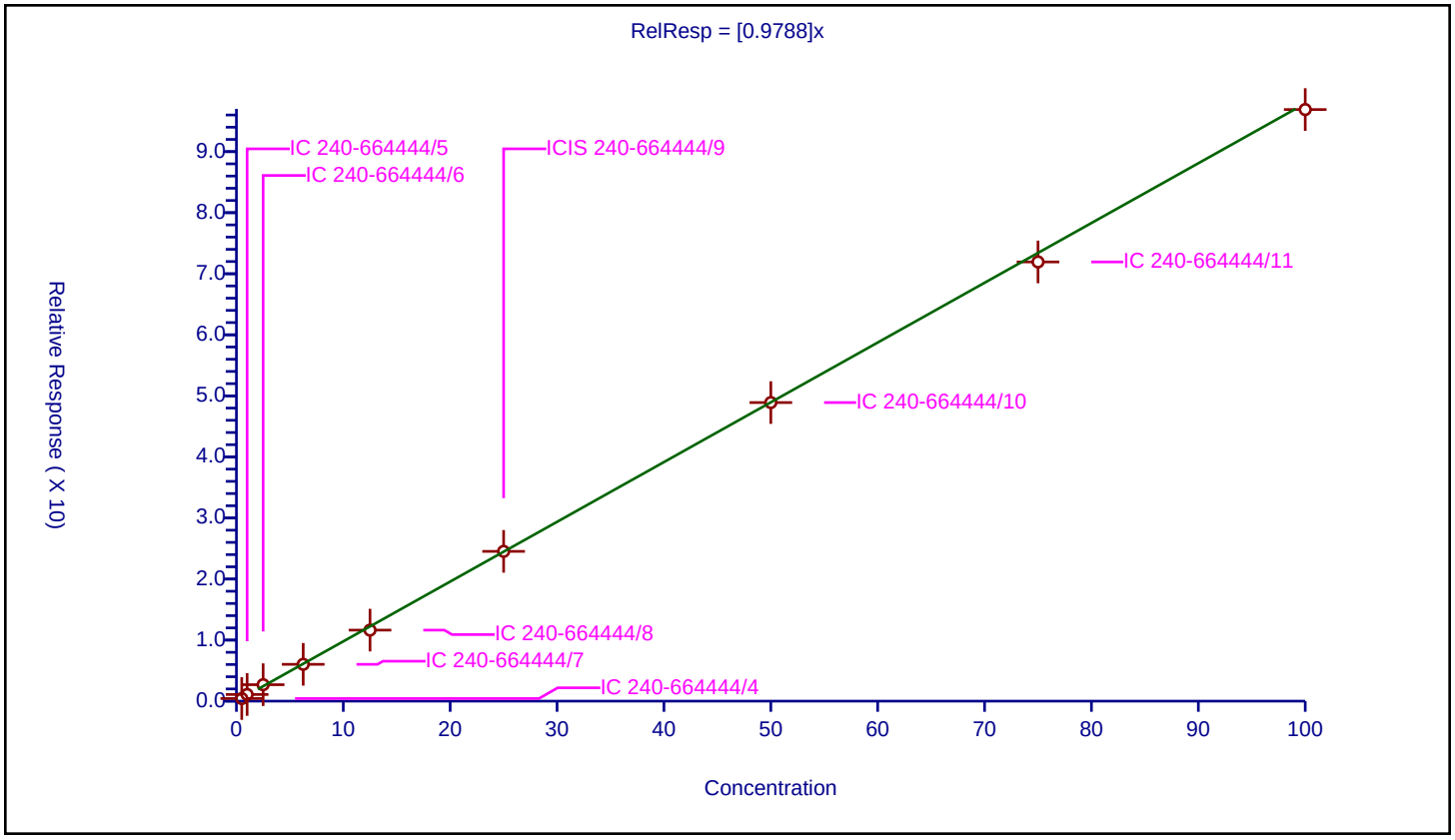
Curve Coefficients

Intercept:	0
Slope:	0.9788

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.429325	25.0	477960.0	0.858649	Y
2	IC 240-664444/5	1.0	1.089568	25.0	462018.0	1.089568	Y
3	IC 240-664444/6	2.5	2.695578	25.0	468304.0	1.078231	Y
4	IC 240-664444/7	6.25	6.032171	25.0	488228.0	0.965147	Y
5	IC 240-664444/8	12.5	11.632976	25.0	510929.0	0.930638	Y
6	ICIS 240-664444/9	25.0	24.529785	25.0	502961.0	0.981191	Y
7	IC 240-664444/10	50.0	48.90037	25.0	524108.0	0.978007	Y
8	IC 240-664444/11	75.0	71.936742	25.0	513228.0	0.959157	Y
9	IC 240-664444/12	100.0	96.892124	25.0	500390.0	0.968921	Y



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Calibration / trans-1,4-Dichloro-2-butene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

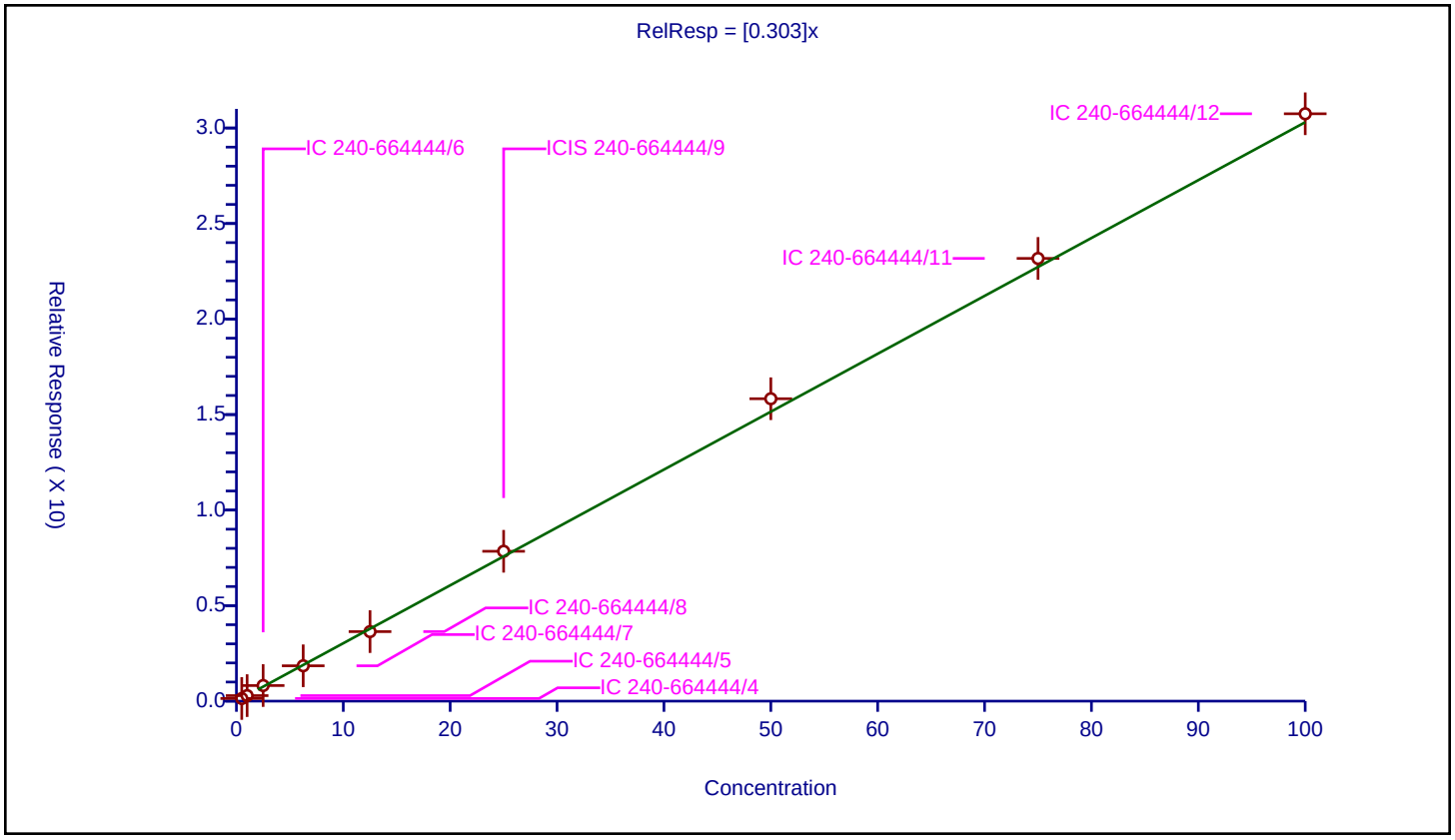
Curve Coefficients

Intercept:	0
Slope:	0.303

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.138453	25.0	477960.0	0.276906	Y
2	IC 240-664444/5	1.0	0.289599	25.0	462018.0	0.289599	Y
3	IC 240-664444/6	2.5	0.81667	25.0	468304.0	0.326668	Y
4	IC 240-664444/7	6.25	1.850263	25.0	488228.0	0.296042	Y
5	IC 240-664444/8	12.5	3.638715	25.0	510929.0	0.291097	Y
6	ICIS 240-664444/9	25.0	7.844346	25.0	502961.0	0.313774	Y
7	IC 240-664444/10	50.0	15.828894	25.0	524108.0	0.316578	Y
8	IC 240-664444/11	75.0	23.172791	25.0	513228.0	0.308971	Y
9	IC 240-664444/12	100.0	30.744869	25.0	500390.0	0.307449	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

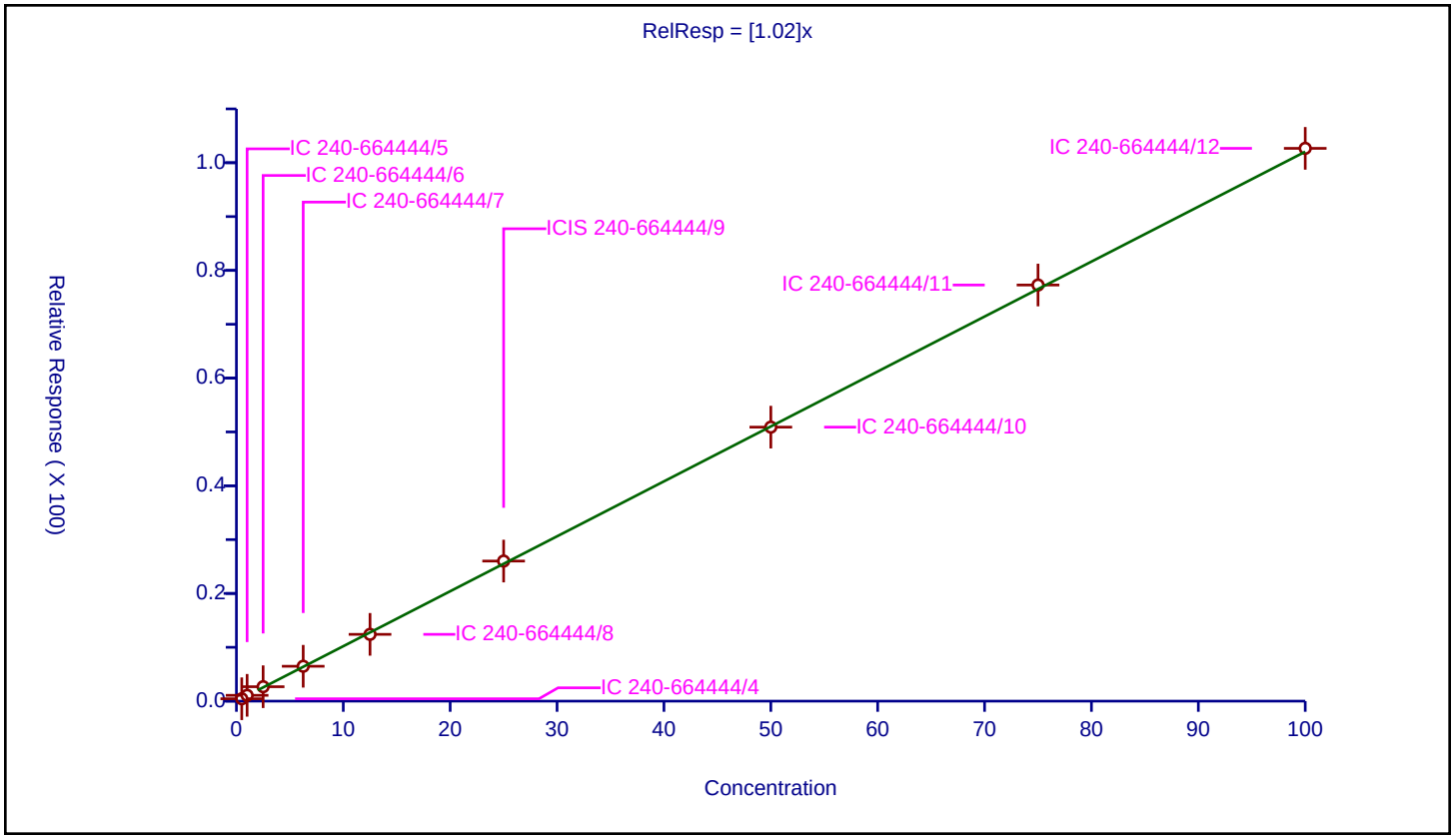
Curve Coefficients

Intercept:	0
Slope:	1.02

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.444493	25.0	477960.0	0.888987	Y
2	IC 240-664444/5	1.0	1.078529	25.0	462018.0	1.078529	Y
3	IC 240-664444/6	2.5	2.679082	25.0	468304.0	1.071633	Y
4	IC 240-664444/7	6.25	6.477558	25.0	488228.0	1.036409	Y
5	IC 240-664444/8	12.5	12.405295	25.0	510929.0	0.992424	Y
6	ICIS 240-664444/9	25.0	26.018469	25.0	502961.0	1.040739	Y
7	IC 240-664444/10	50.0	50.891562	25.0	524108.0	1.017831	Y
8	IC 240-664444/11	75.0	77.284462	25.0	513228.0	1.030459	Y
9	IC 240-664444/12	100.0	102.670517	25.0	500390.0	1.026705	Y



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Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

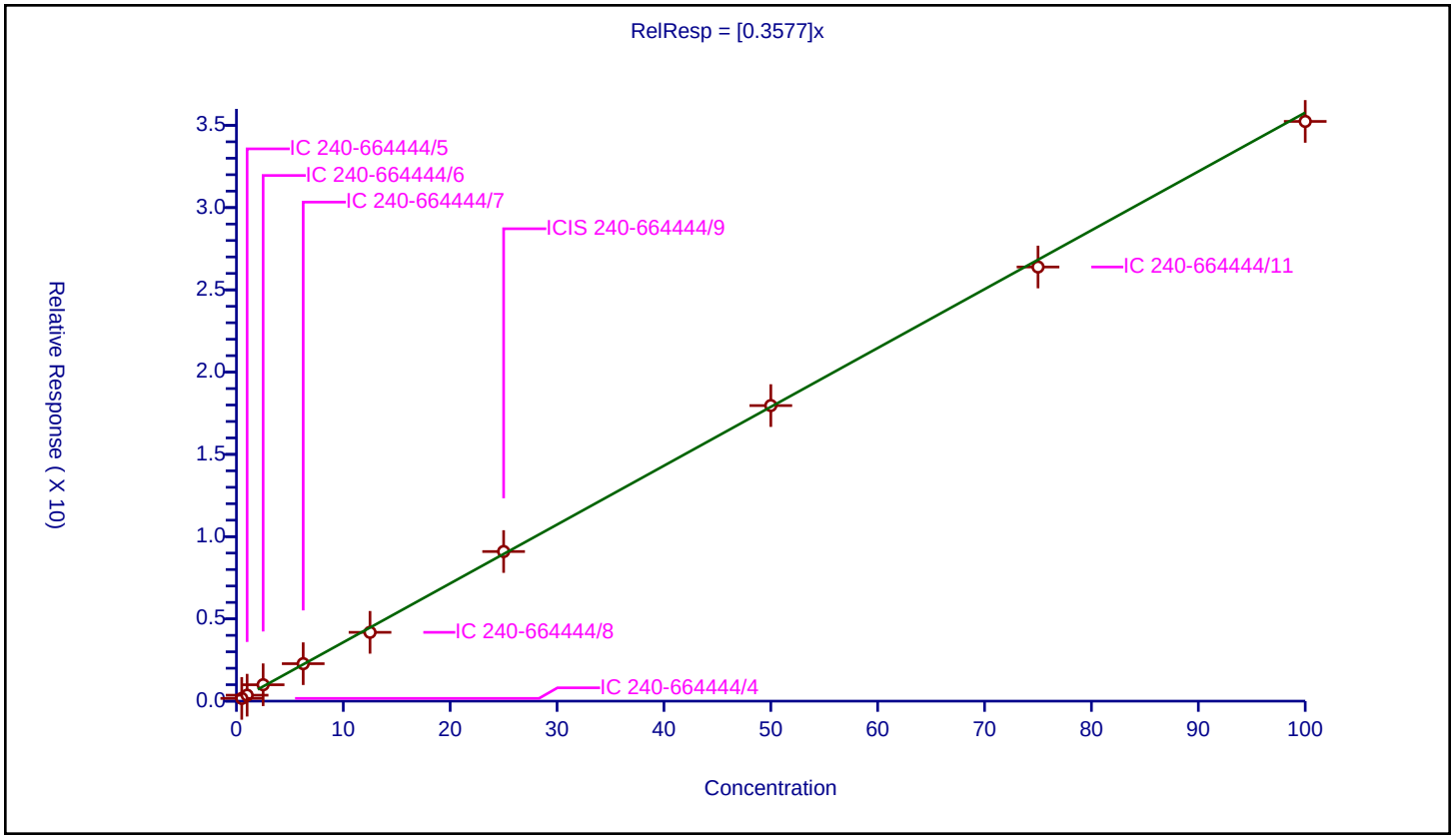
Curve Coefficients

Intercept:	0
Slope:	0.3577

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.16675	25.0	477960.0	0.333501	Y
2	IC 240-664444/5	1.0	0.361079	25.0	462018.0	0.361079	Y
3	IC 240-664444/6	2.5	0.996788	25.0	468304.0	0.398715	Y
4	IC 240-664444/7	6.25	2.277112	25.0	488228.0	0.364338	Y
5	IC 240-664444/8	12.5	4.18292	25.0	510929.0	0.334634	Y
6	ICIS 240-664444/9	25.0	9.093946	25.0	502961.0	0.363758	Y
7	IC 240-664444/10	50.0	17.966812	25.0	524108.0	0.359336	Y
8	IC 240-664444/11	75.0	26.389977	25.0	513228.0	0.351866	Y
9	IC 240-664444/12	100.0	35.238664	25.0	500390.0	0.352387	Y



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Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

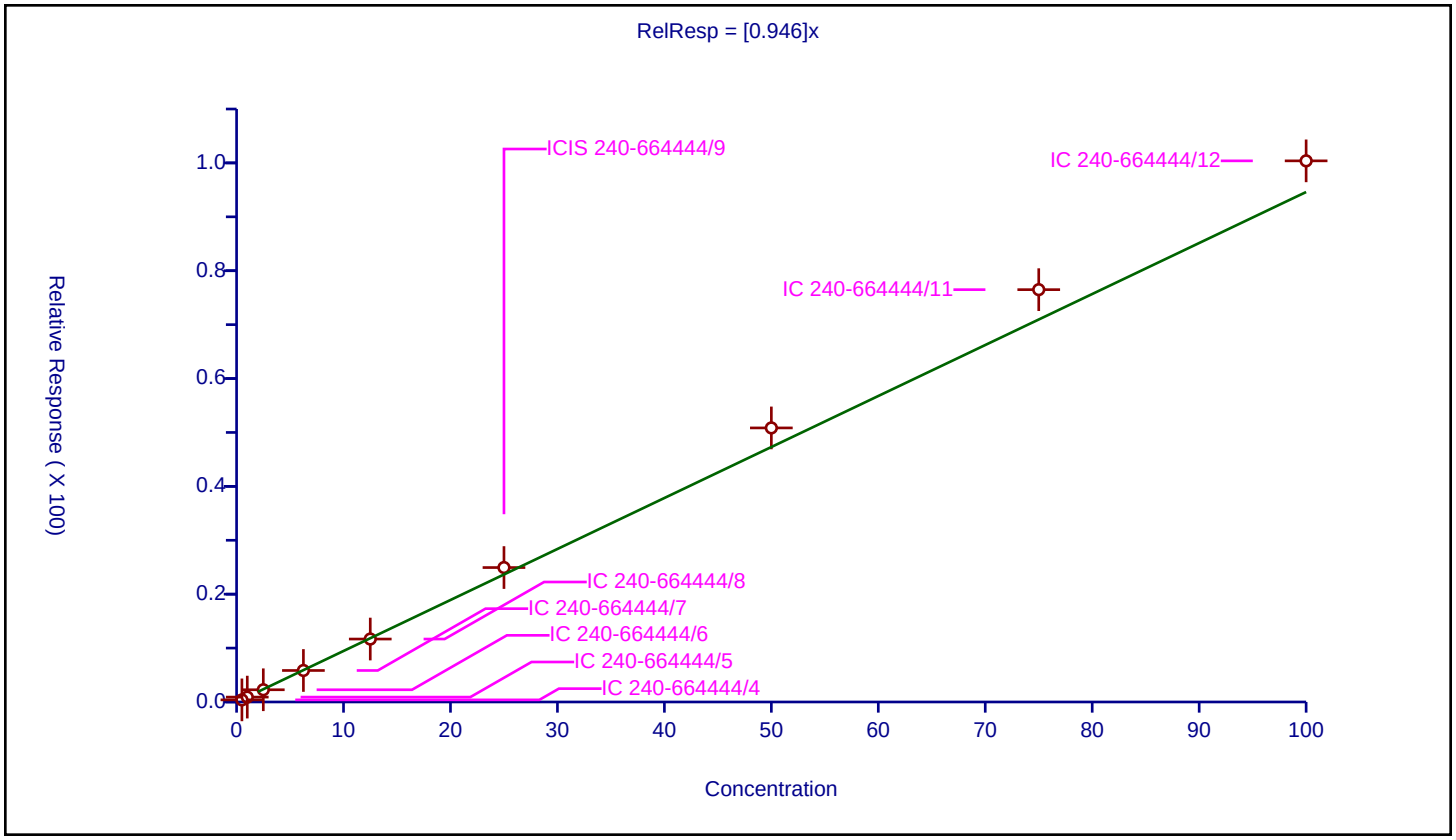
Curve Coefficients

Intercept:	0
Slope:	0.946

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.394489	25.0	477960.0	0.788978	Y
2	IC 240-664444/5	1.0	0.909975	25.0	462018.0	0.909975	Y
3	IC 240-664444/6	2.5	2.269306	25.0	468304.0	0.907722	Y
4	IC 240-664444/7	6.25	5.845527	25.0	488228.0	0.935284	Y
5	IC 240-664444/8	12.5	11.67535	25.0	510929.0	0.934028	Y
6	ICIS 240-664444/9	25.0	24.937719	25.0	502961.0	0.997509	Y
7	IC 240-664444/10	50.0	50.842288	25.0	524108.0	1.016846	Y
8	IC 240-664444/11	75.0	76.491589	25.0	513228.0	1.019888	Y
9	IC 240-664444/12	100.0	100.382552	25.0	500390.0	1.003826	Y



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Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

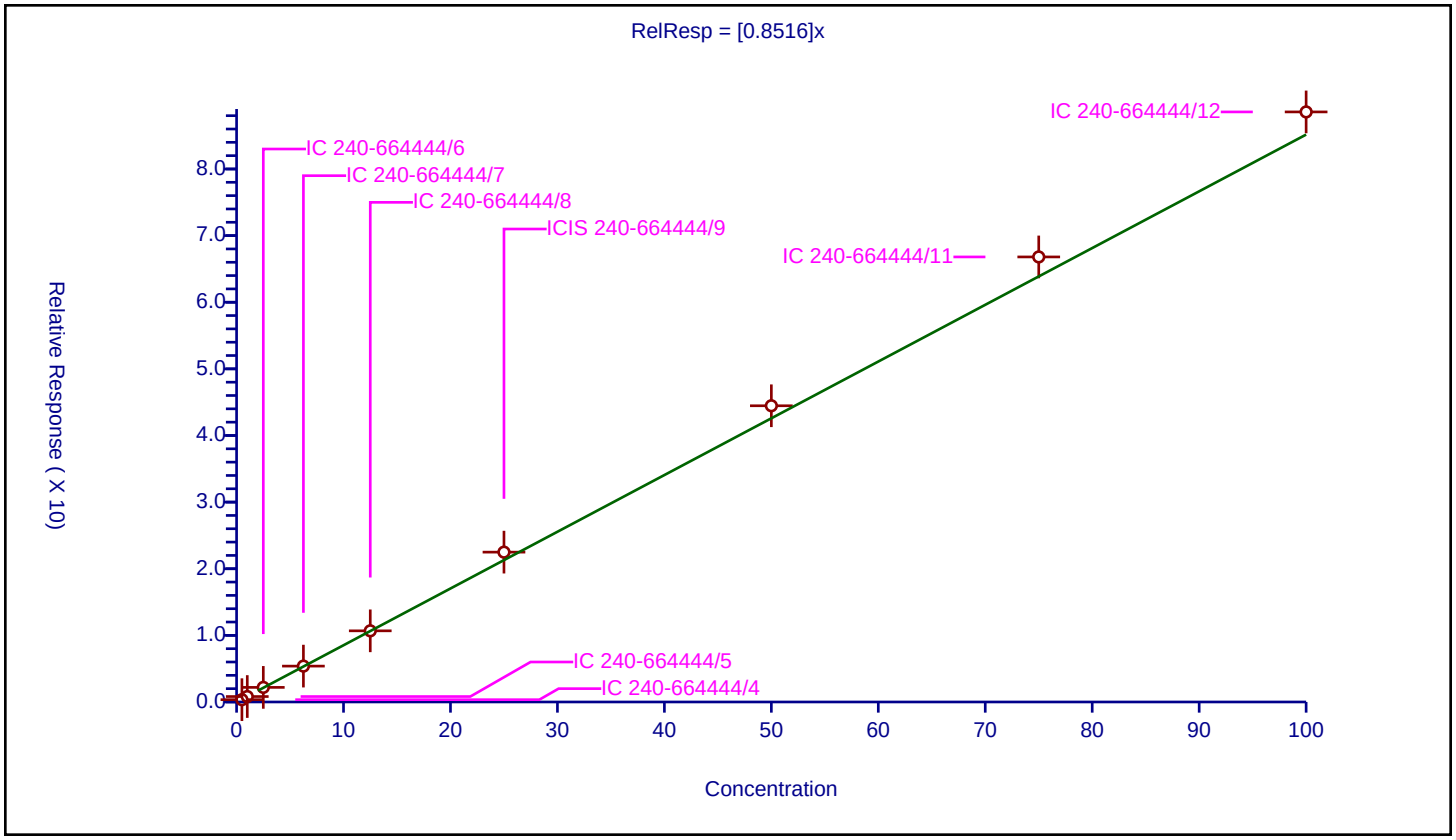
Curve Coefficients

Intercept:	0
Slope:	0.8516

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.344223	25.0	477960.0	0.688447	Y
2	IC 240-664444/5	1.0	0.818637	25.0	462018.0	0.818637	Y
3	IC 240-664444/6	2.5	2.18987	25.0	468304.0	0.875948	Y
4	IC 240-664444/7	6.25	5.386162	25.0	488228.0	0.861786	Y
5	IC 240-664444/8	12.5	10.680349	25.0	510929.0	0.854428	Y
6	ICIS 240-664444/9	25.0	22.491953	25.0	502961.0	0.899678	Y
7	IC 240-664444/10	50.0	44.461781	25.0	524108.0	0.889236	Y
8	IC 240-664444/11	75.0	66.798333	25.0	513228.0	0.890644	Y
9	IC 240-664444/12	100.0	88.56362	25.0	500390.0	0.885636	Y



Calibration / 1,3,5-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

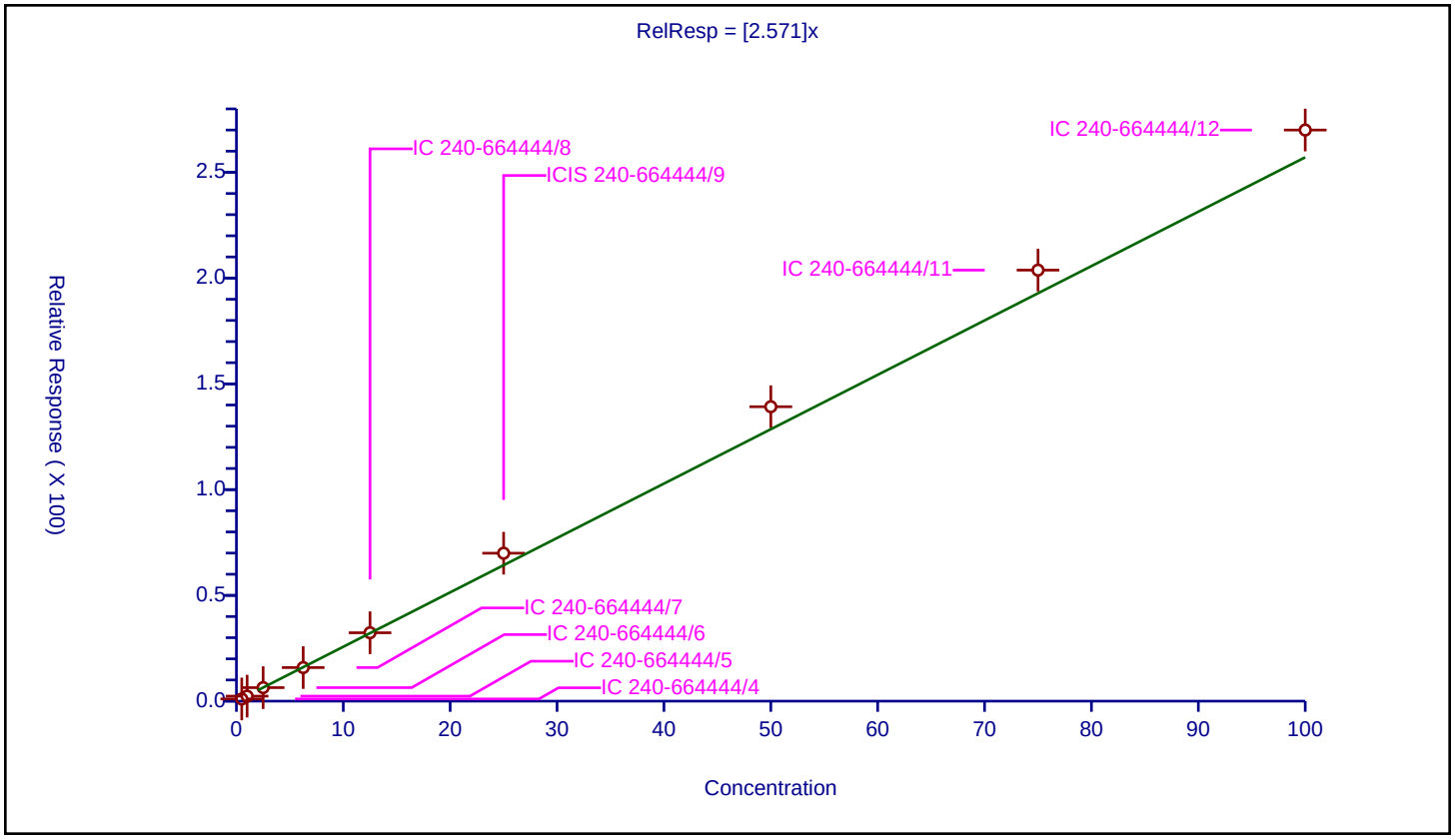
Curve Coefficients

Intercept:	0
Slope:	2.571

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	1.044334	25.0	477960.0	2.088669	Y
2	IC 240-664444/5	1.0	2.368739	25.0	462018.0	2.368739	Y
3	IC 240-664444/6	2.5	6.395685	25.0	468304.0	2.558274	Y
4	IC 240-664444/7	6.25	15.867382	25.0	488228.0	2.538781	Y
5	IC 240-664444/8	12.5	32.330422	25.0	510929.0	2.586434	Y
6	ICIS 240-664444/9	25.0	69.94598	25.0	502961.0	2.797839	Y
7	IC 240-664444/10	50.0	139.201653	25.0	524108.0	2.784033	Y
8	IC 240-664444/11	75.0	203.7723	25.0	513228.0	2.716964	Y
9	IC 240-664444/12	100.0	270.006695	25.0	500390.0	2.700067	Y



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Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

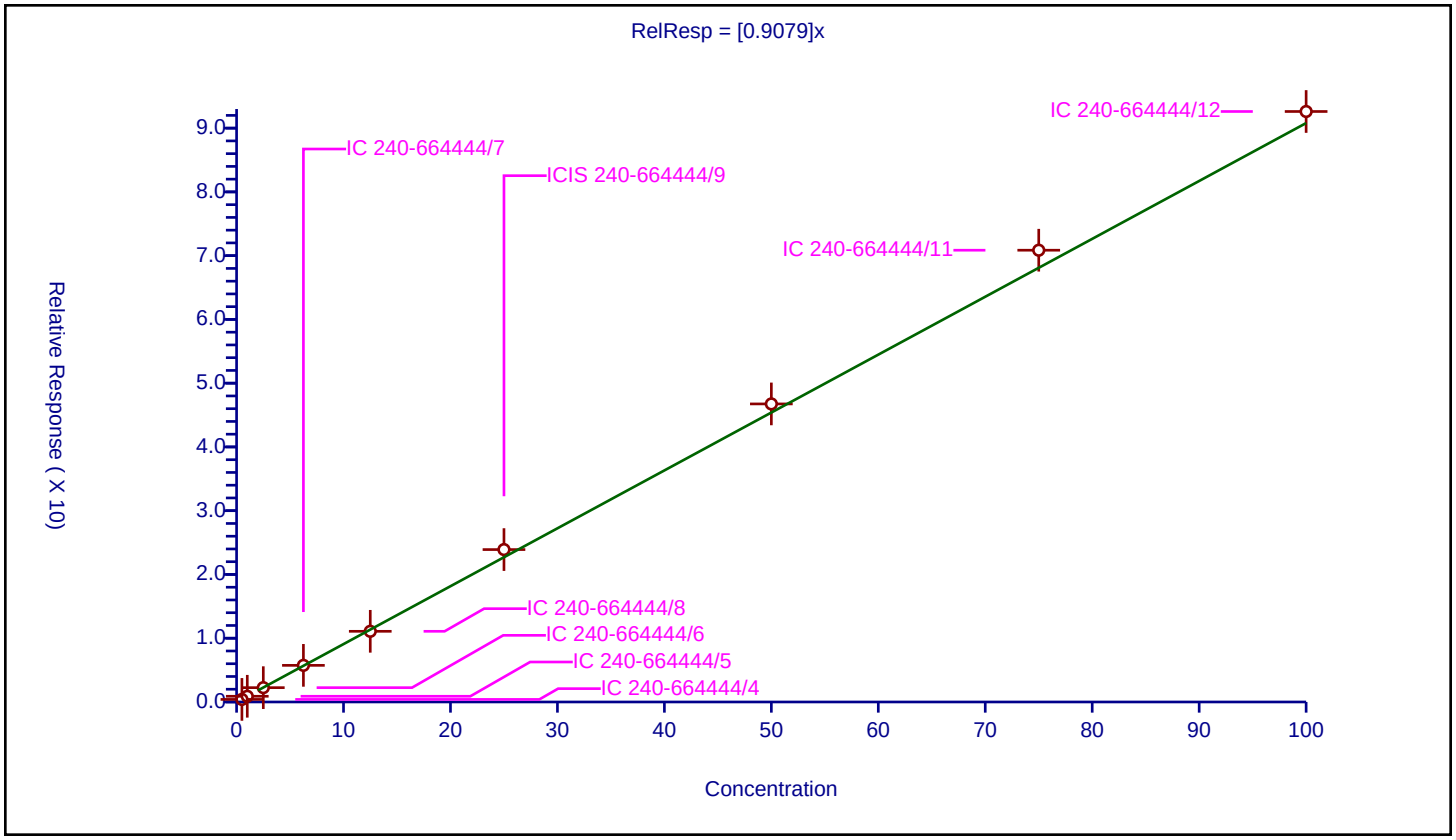
Curve Coefficients

Intercept:	0
Slope:	0.9079

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.404584	25.0	477960.0	0.809168	Y
2	IC 240-664444/5	1.0	0.895149	25.0	462018.0	0.895149	Y
3	IC 240-664444/6	2.5	2.247472	25.0	468304.0	0.898989	Y
4	IC 240-664444/7	6.25	5.744703	25.0	488228.0	0.919153	Y
5	IC 240-664444/8	12.5	11.086032	25.0	510929.0	0.886883	Y
6	ICIS 240-664444/9	25.0	23.904438	25.0	502961.0	0.956178	Y
7	IC 240-664444/10	50.0	46.747331	25.0	524108.0	0.934947	Y
8	IC 240-664444/11	75.0	70.856228	25.0	513228.0	0.94475	Y
9	IC 240-664444/12	100.0	92.611813	25.0	500390.0	0.926118	Y



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Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

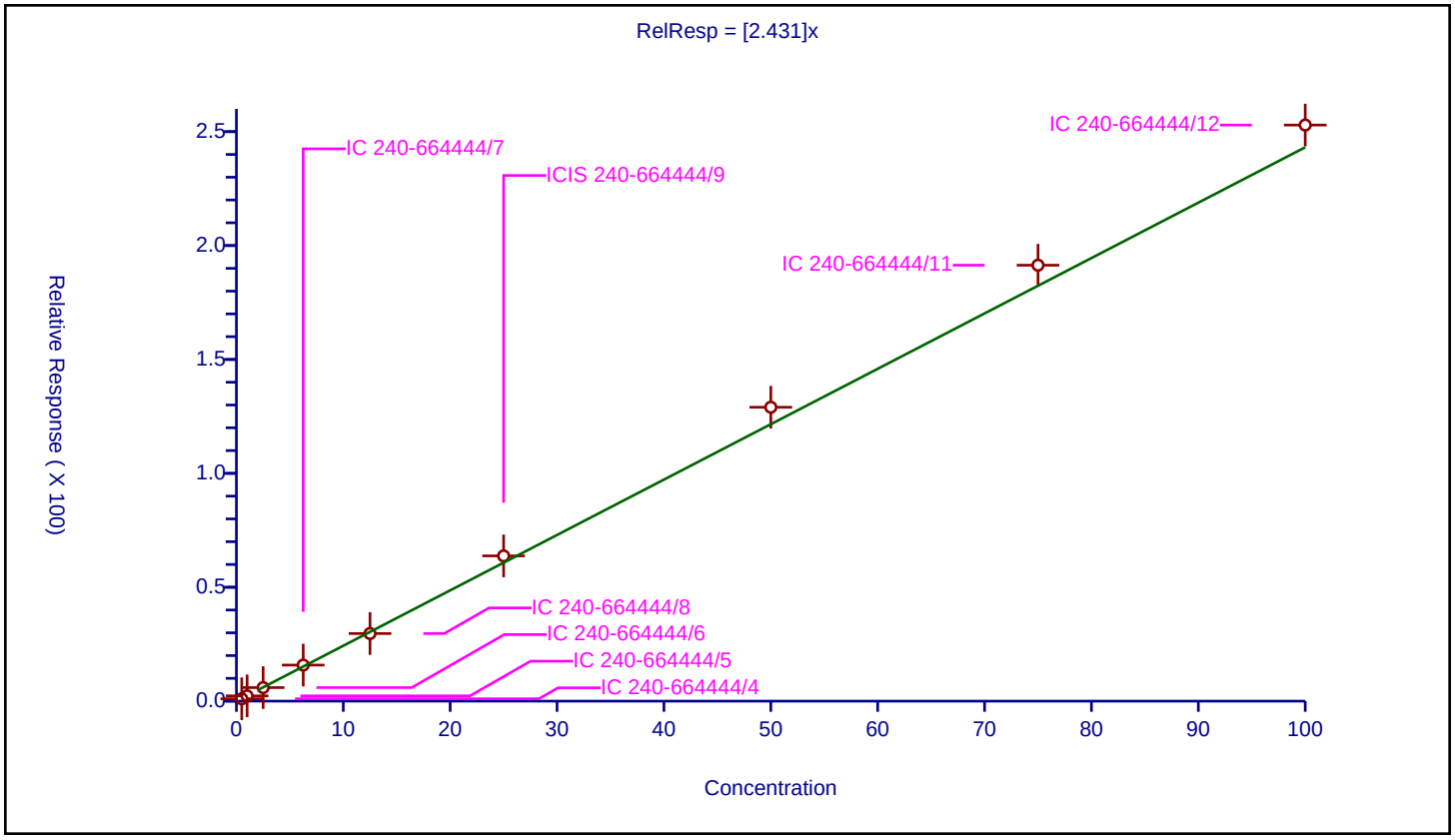
Curve Coefficients

Intercept:	0
Slope:	2.431

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	1.039522	25.0	477960.0	2.079044	Y
2	IC 240-664444/5	1.0	2.305592	25.0	462018.0	2.305592	Y
3	IC 240-664444/6	2.5	5.947259	25.0	468304.0	2.378903	Y
4	IC 240-664444/7	6.25	15.828721	25.0	488228.0	2.532595	Y
5	IC 240-664444/8	12.5	29.681717	25.0	510929.0	2.374537	Y
6	ICIS 240-664444/9	25.0	63.769905	25.0	502961.0	2.550796	Y
7	IC 240-664444/10	50.0	129.015203	25.0	524108.0	2.580304	Y
8	IC 240-664444/11	75.0	191.382095	25.0	513228.0	2.551761	Y
9	IC 240-664444/12	100.0	252.905833	25.0	500390.0	2.529058	Y



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Calibration / 1,2,4-Trimethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

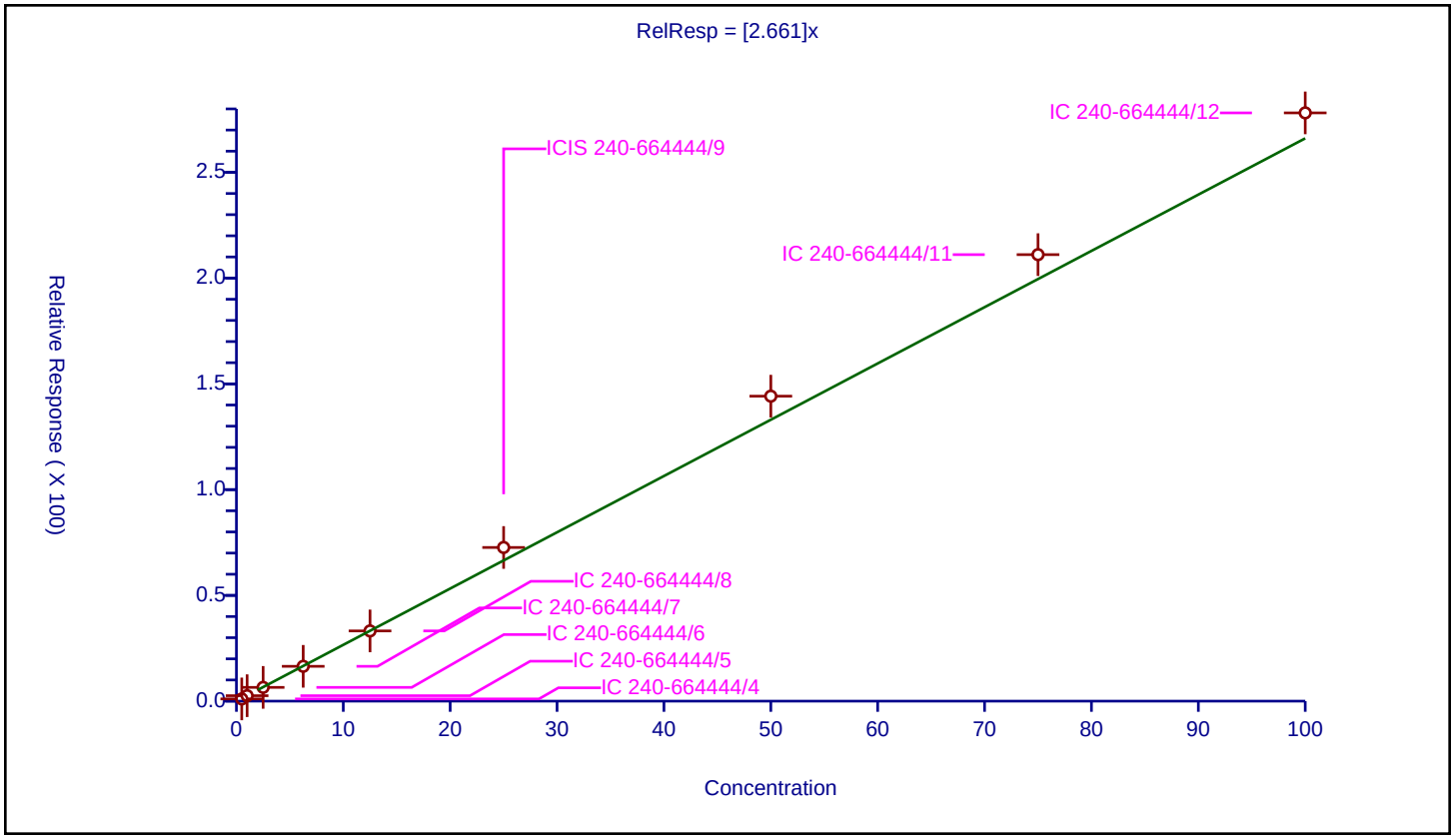
Curve Coefficients

Intercept:	0
Slope:	2.661

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	1.046322	25.0	477960.0	2.092644	Y
2	IC 240-664444/5	1.0	2.576252	25.0	462018.0	2.576252	Y
3	IC 240-664444/6	2.5	6.503628	25.0	468304.0	2.601451	Y
4	IC 240-664444/7	6.25	16.463568	25.0	488228.0	2.634171	Y
5	IC 240-664444/8	12.5	33.201188	25.0	510929.0	2.656095	Y
6	ICIS 240-664444/9	25.0	72.653943	25.0	502961.0	2.906158	Y
7	IC 240-664444/10	50.0	144.185502	25.0	524108.0	2.88371	Y
8	IC 240-664444/11	75.0	211.091416	25.0	513228.0	2.814552	Y
9	IC 240-664444/12	100.0	278.110774	25.0	500390.0	2.781108	Y



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Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

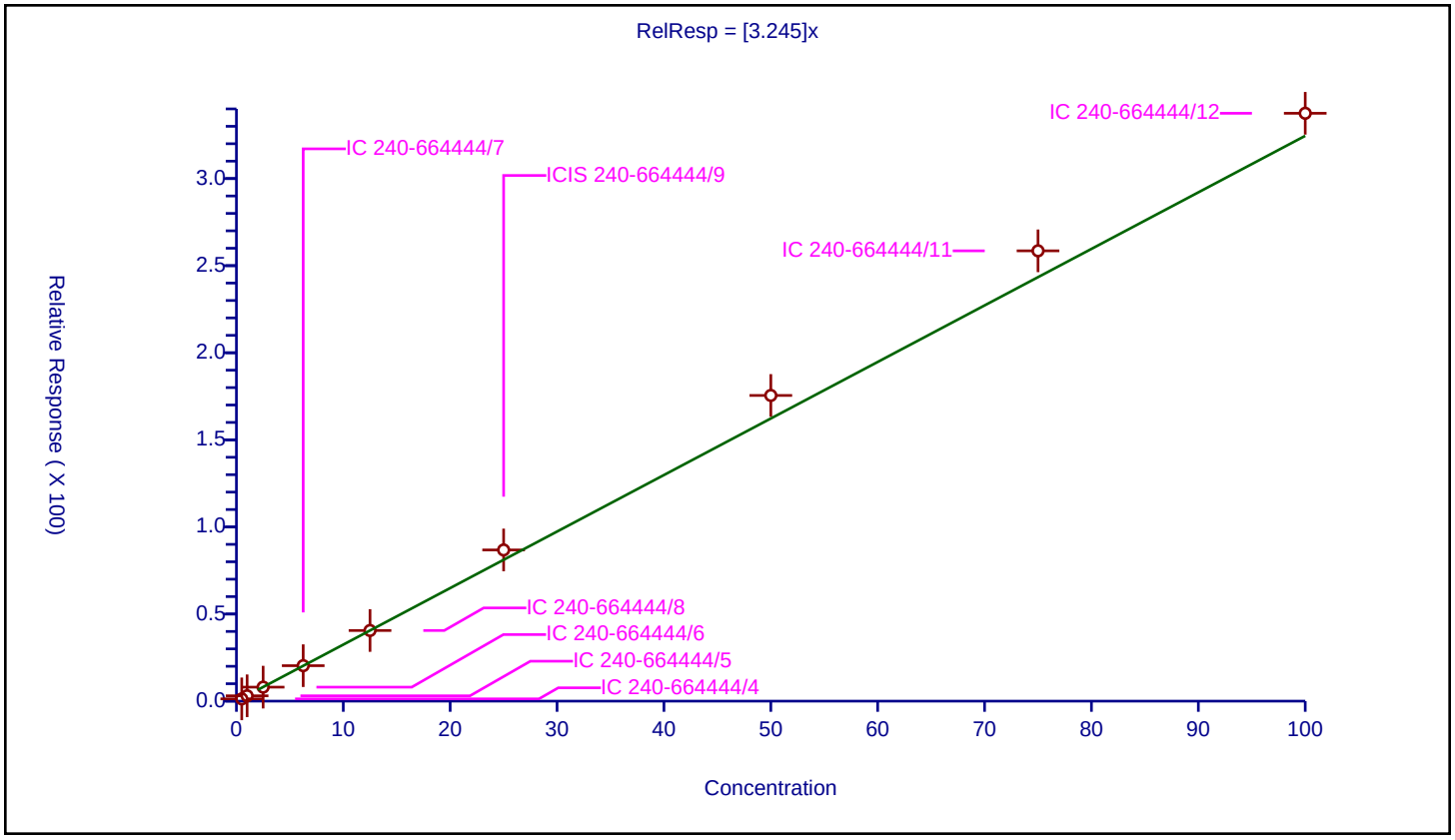
Curve Coefficients

Intercept:	0
Slope:	3.245

Error Coefficients

Relative Standard Deviation:	8.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	1.307536	25.0	477960.0	2.615072	Y
2	IC 240-664444/5	1.0	3.069956	25.0	462018.0	3.069956	Y
3	IC 240-664444/6	2.5	8.040877	25.0	468304.0	3.216351	Y
4	IC 240-664444/7	6.25	20.363334	25.0	488228.0	3.258133	Y
5	IC 240-664444/8	12.5	40.561507	25.0	510929.0	3.244921	Y
6	ICIS 240-664444/9	25.0	86.798728	25.0	502961.0	3.471949	Y
7	IC 240-664444/10	50.0	175.491502	25.0	524108.0	3.50983	Y
8	IC 240-664444/11	75.0	258.516975	25.0	513228.0	3.446893	Y
9	IC 240-664444/12	100.0	337.477068	25.0	500390.0	3.374771	Y



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Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

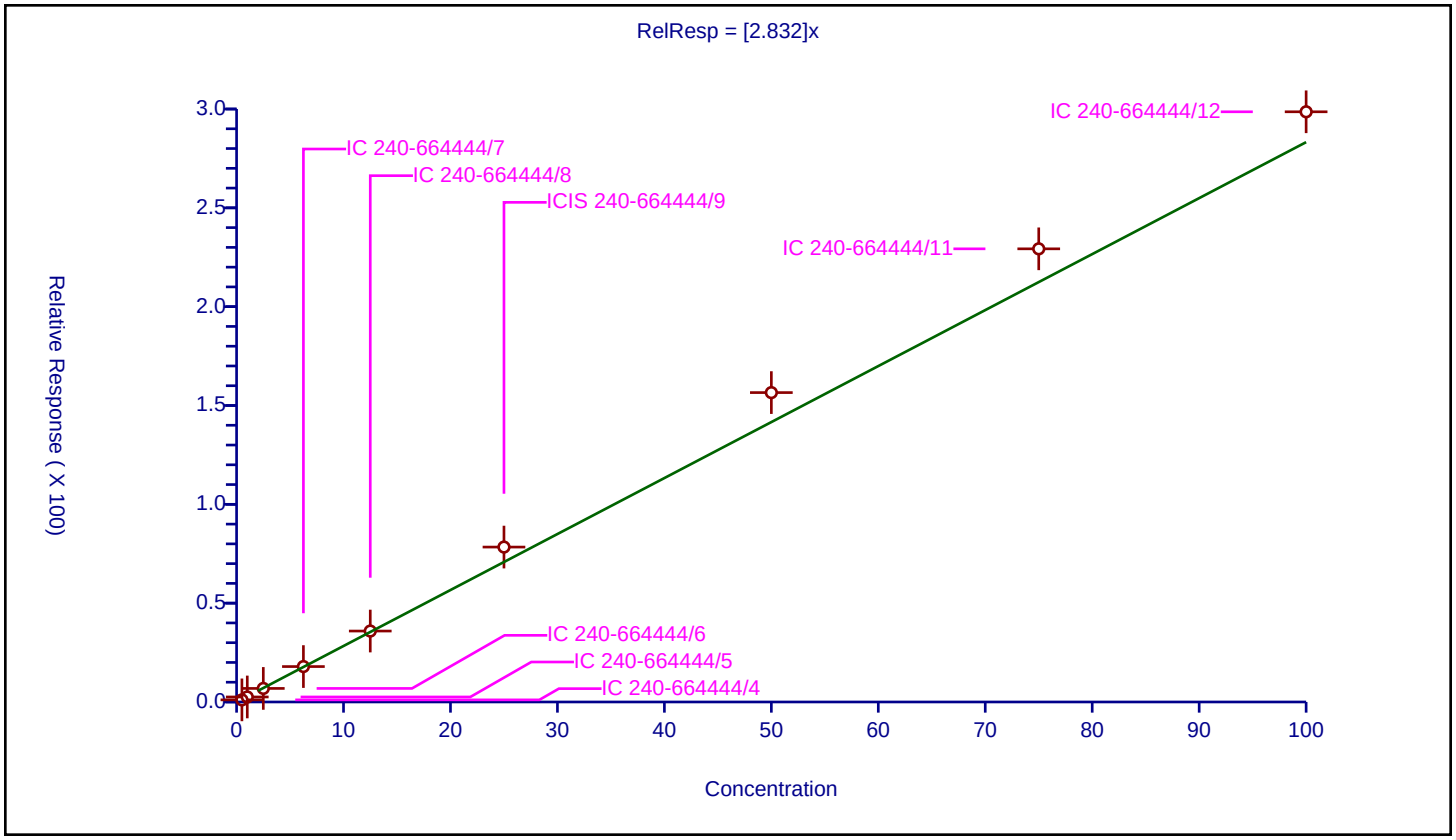
Curve Coefficients

Intercept:	0
Slope:	2.832

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	1.077967	25.0	477960.0	2.155934	Y
2	IC 240-664444/5	1.0	2.543949	25.0	462018.0	2.543949	Y
3	IC 240-664444/6	2.5	6.856978	25.0	468304.0	2.742791	Y
4	IC 240-664444/7	6.25	17.924412	25.0	488228.0	2.867906	Y
5	IC 240-664444/8	12.5	35.8999	25.0	510929.0	2.871992	Y
6	ICIS 240-664444/9	25.0	78.378343	25.0	502961.0	3.135134	Y
7	IC 240-664444/10	50.0	156.526374	25.0	524108.0	3.130527	Y
8	IC 240-664444/11	75.0	229.258634	25.0	513228.0	3.056782	Y
9	IC 240-664444/12	100.0	298.594047	25.0	500390.0	2.98594	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

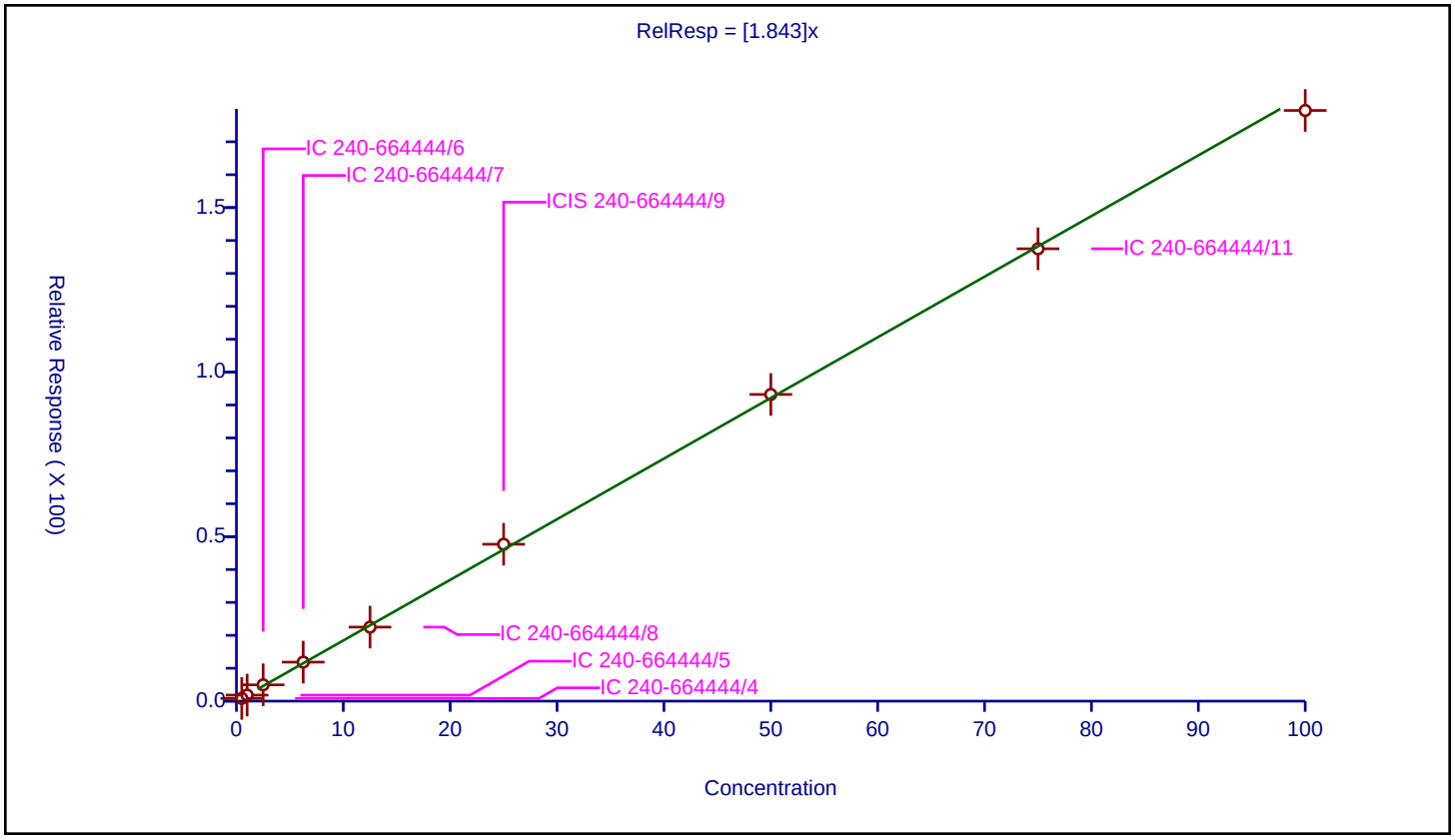
Curve Coefficients

Intercept:	0
Slope:	1.843

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.838773	25.0	477960.0	1.677546	Y
2	IC 240-664444/5	1.0	1.832829	25.0	462018.0	1.832829	Y
3	IC 240-664444/6	2.5	4.948335	25.0	468304.0	1.979334	Y
4	IC 240-664444/7	6.25	11.856858	25.0	488228.0	1.897097	Y
5	IC 240-664444/8	12.5	22.499212	25.0	510929.0	1.799937	Y
6	ICIS 240-664444/9	25.0	47.681878	25.0	502961.0	1.907275	Y
7	IC 240-664444/10	50.0	93.219146	25.0	524108.0	1.864383	Y
8	IC 240-664444/11	75.0	137.483584	25.0	513228.0	1.833114	Y
9	IC 240-664444/12	100.0	179.520074	25.0	500390.0	1.795201	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

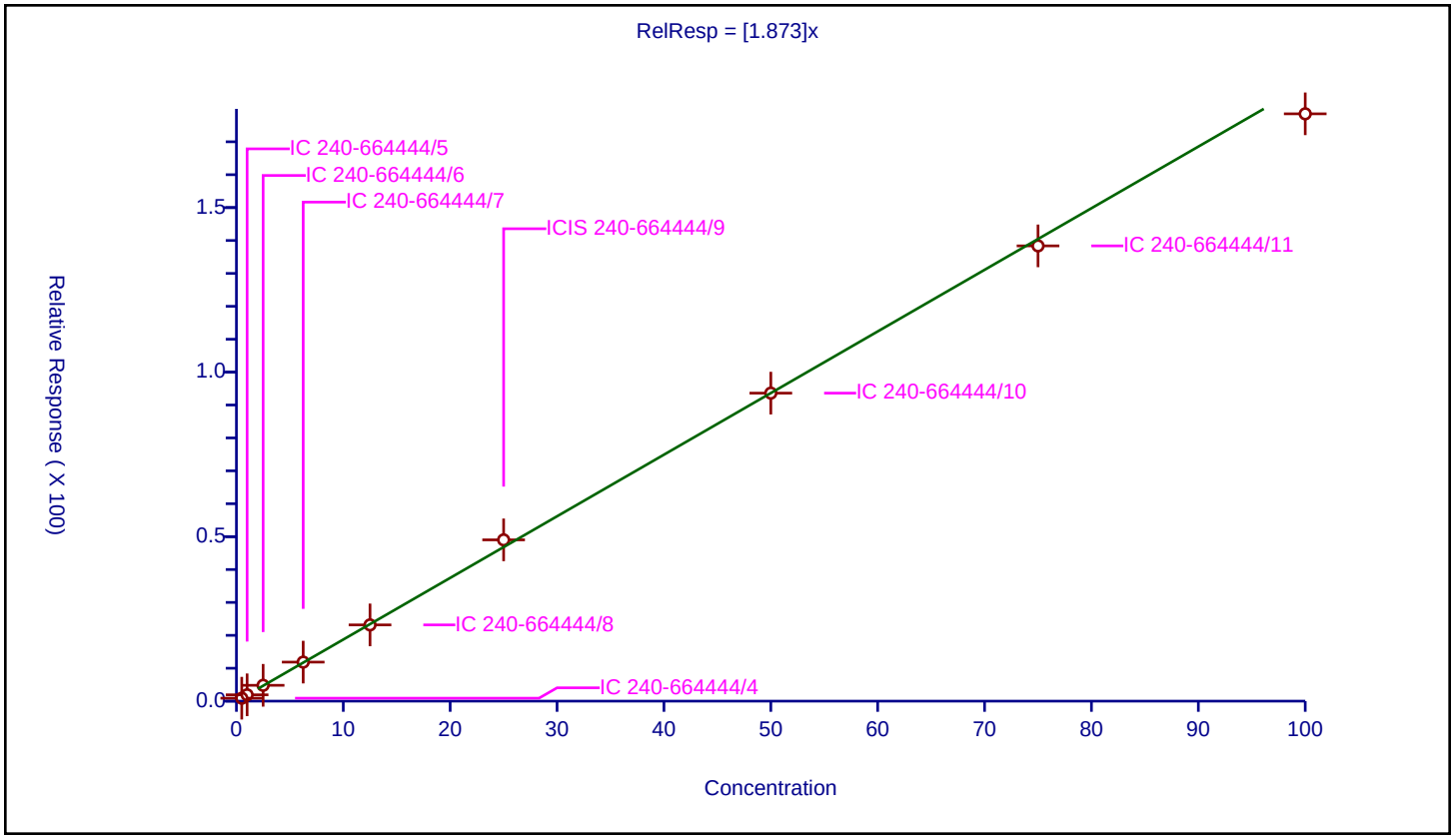
Curve Coefficients

Intercept:	0
Slope:	1.873

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.895786	25.0	477960.0	1.791573	Y
2	IC 240-664444/5	1.0	1.924113	25.0	462018.0	1.924113	Y
3	IC 240-664444/6	2.5	4.808629	25.0	468304.0	1.923451	Y
4	IC 240-664444/7	6.25	11.859828	25.0	488228.0	1.897572	Y
5	IC 240-664444/8	12.5	23.175187	25.0	510929.0	1.854015	Y
6	ICIS 240-664444/9	25.0	49.016276	25.0	502961.0	1.960651	Y
7	IC 240-664444/10	50.0	93.616058	25.0	524108.0	1.872321	Y
8	IC 240-664444/11	75.0	138.365892	25.0	513228.0	1.844879	Y
9	IC 240-664444/12	100.0	178.499271	25.0	500390.0	1.784993	Y



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Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

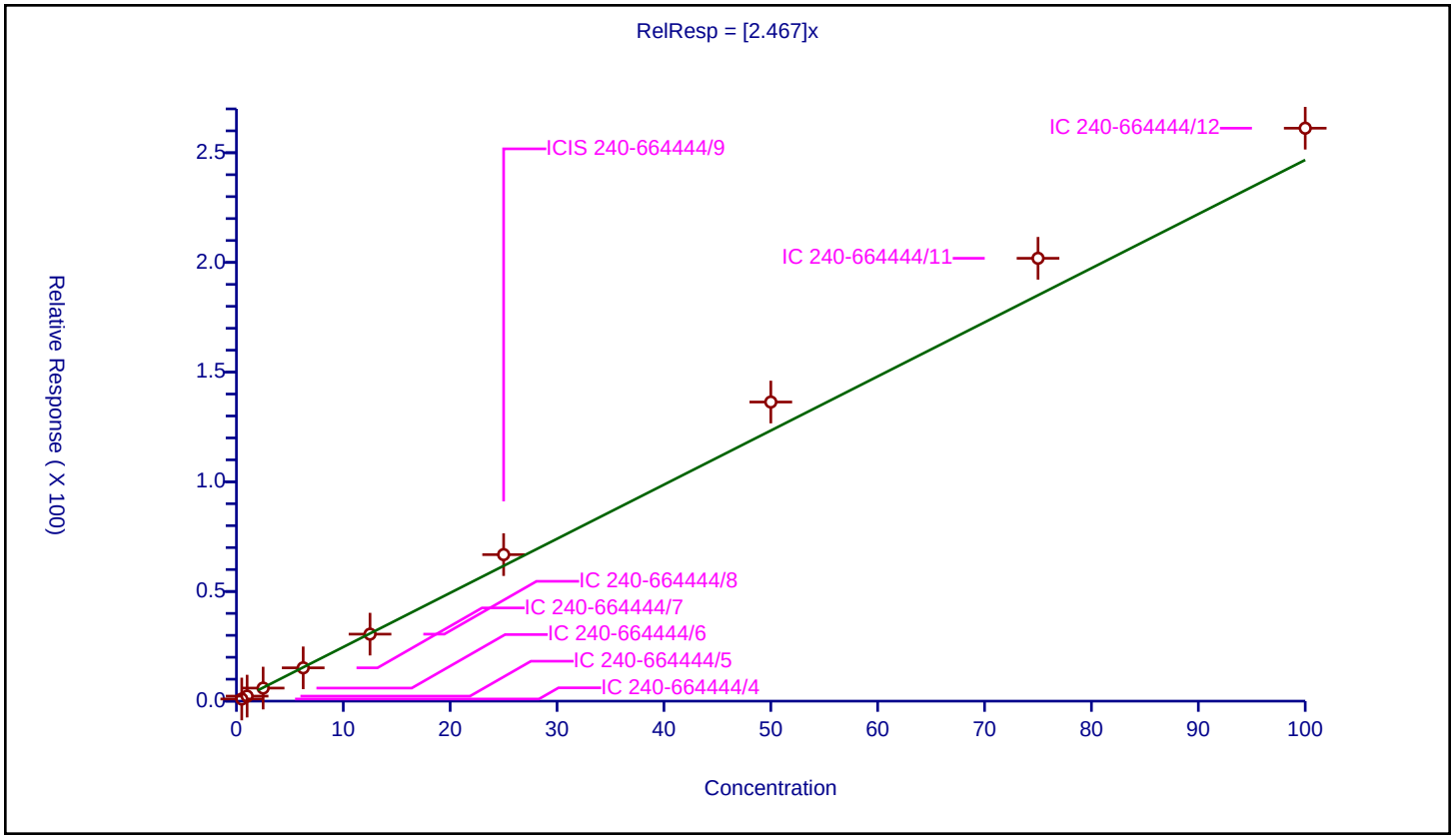
Curve Coefficients

Intercept:	0
Slope:	2.467

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.977697	25.0	477960.0	1.955394	Y
2	IC 240-664444/5	1.0	2.291631	25.0	462018.0	2.291631	Y
3	IC 240-664444/6	2.5	5.952277	25.0	468304.0	2.380911	Y
4	IC 240-664444/7	6.25	15.189522	25.0	488228.0	2.430324	Y
5	IC 240-664444/8	12.5	30.54074	25.0	510929.0	2.443259	Y
6	ICIS 240-664444/9	25.0	66.804384	25.0	502961.0	2.672175	Y
7	IC 240-664444/10	50.0	136.36574	25.0	524108.0	2.727315	Y
8	IC 240-664444/11	75.0	201.889706	25.0	513228.0	2.691863	Y
9	IC 240-664444/12	100.0	261.197266	25.0	500390.0	2.611973	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

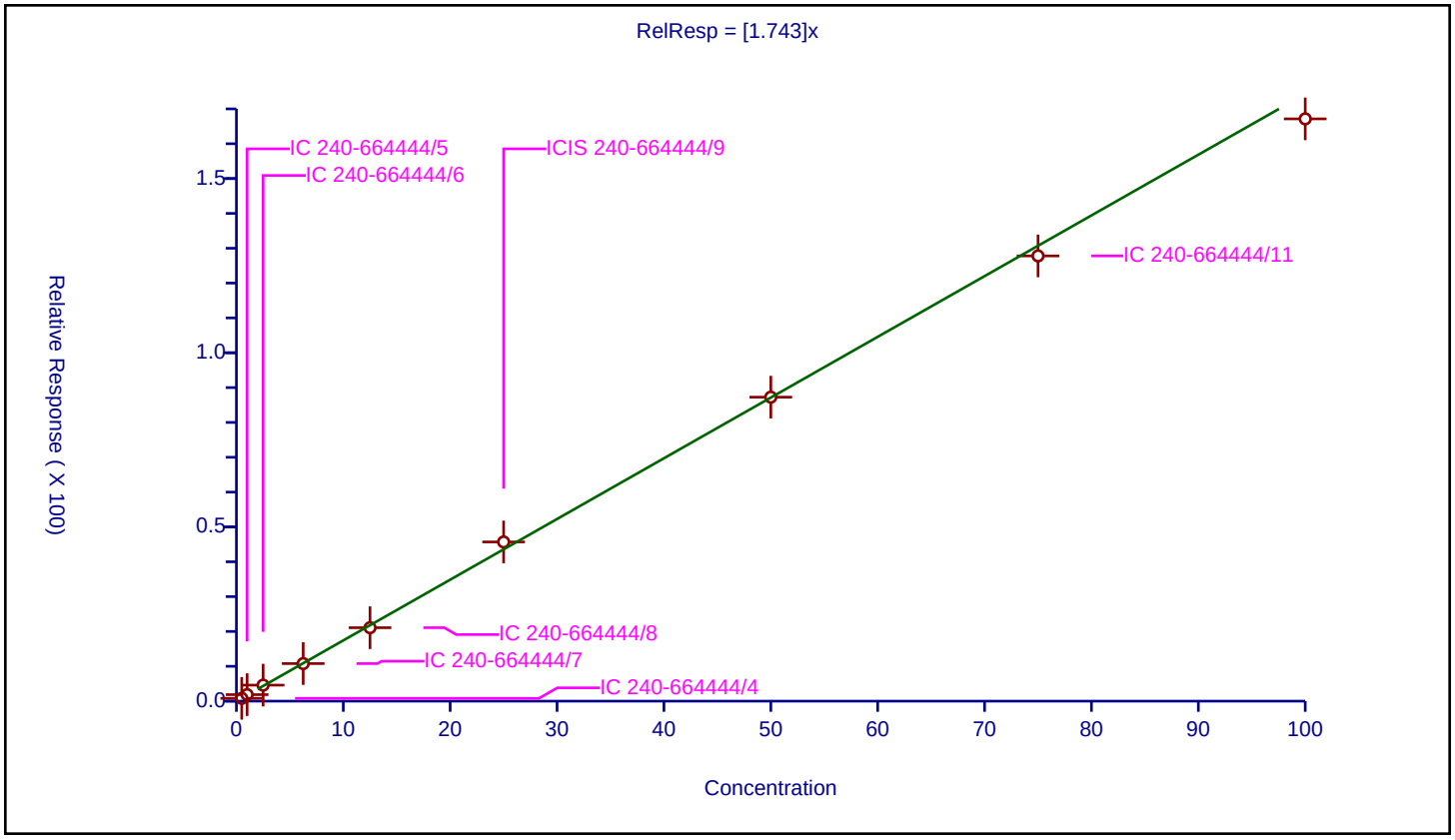
Curve Coefficients

Intercept:	0
Slope:	1.743

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.807965	25.0	477960.0	1.61593	Y
2	IC 240-664444/5	1.0	1.86865	25.0	462018.0	1.86865	Y
3	IC 240-664444/6	2.5	4.60027	25.0	468304.0	1.840108	Y
4	IC 240-664444/7	6.25	10.781336	25.0	488228.0	1.725014	Y
5	IC 240-664444/8	12.5	21.079837	25.0	510929.0	1.686387	Y
6	ICIS 240-664444/9	25.0	45.70081	25.0	502961.0	1.828032	Y
7	IC 240-664444/10	50.0	87.260116	25.0	524108.0	1.745202	Y
8	IC 240-664444/11	75.0	127.800461	25.0	513228.0	1.704006	Y
9	IC 240-664444/12	100.0	167.132986	25.0	500390.0	1.67133	Y



Calibration / 1,2-Dibromo-3-Chloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

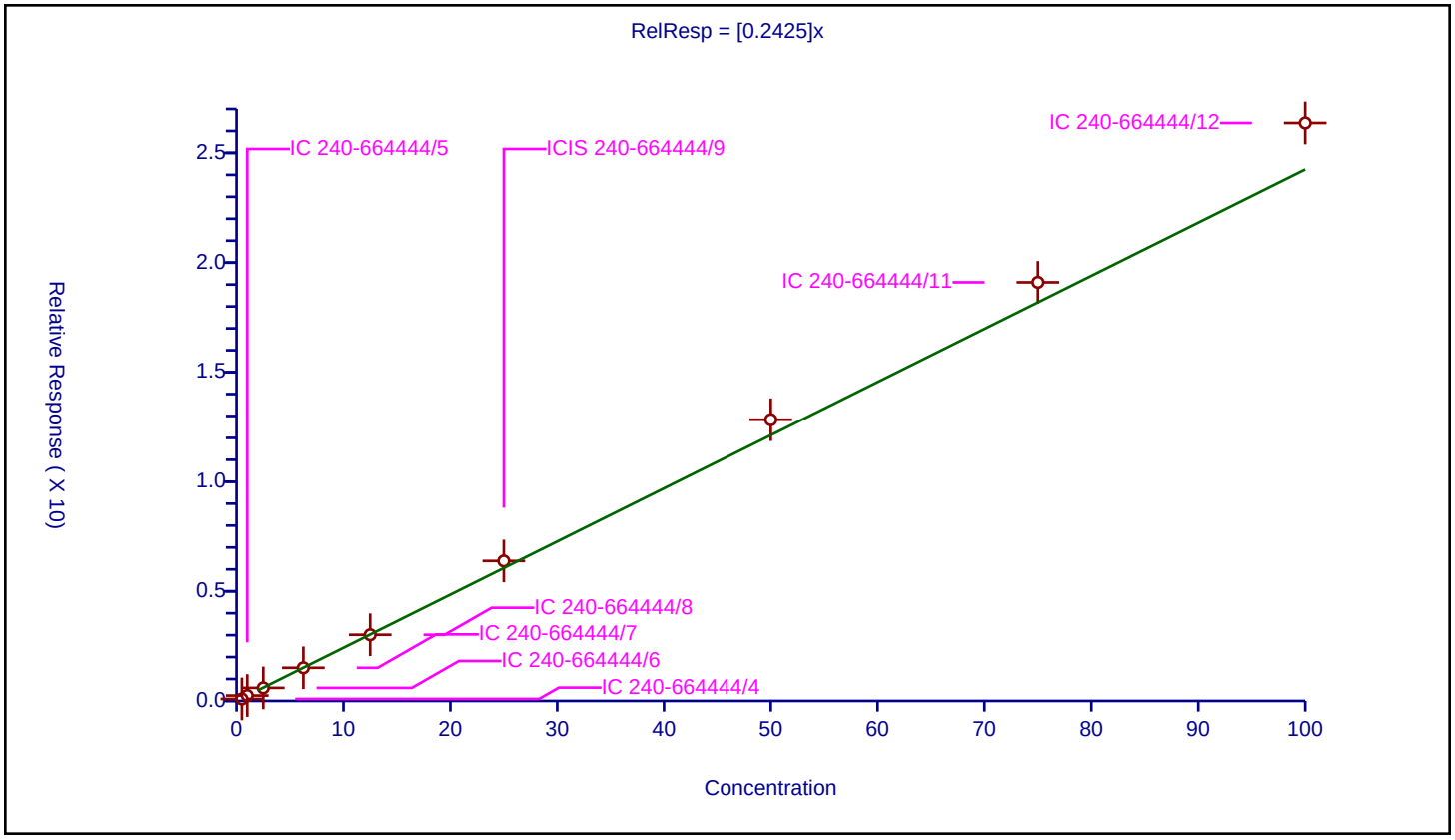
Curve Coefficients

Intercept:	0
Slope:	0.2425

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.092215	25.0	477960.0	0.18443	Y
2	IC 240-664444/5	1.0	0.246365	25.0	462018.0	0.246365	Y
3	IC 240-664444/6	2.5	0.595073	25.0	468304.0	0.238029	Y
4	IC 240-664444/7	6.25	1.510667	25.0	488228.0	0.241707	Y
5	IC 240-664444/8	12.5	3.017347	25.0	510929.0	0.241388	Y
6	ICIS 240-664444/9	25.0	6.385336	25.0	502961.0	0.255413	Y
7	IC 240-664444/10	50.0	12.829703	25.0	524108.0	0.256594	Y
8	IC 240-664444/11	75.0	19.101988	25.0	513228.0	0.254693	Y
9	IC 240-664444/12	100.0	26.362088	25.0	500390.0	0.263621	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

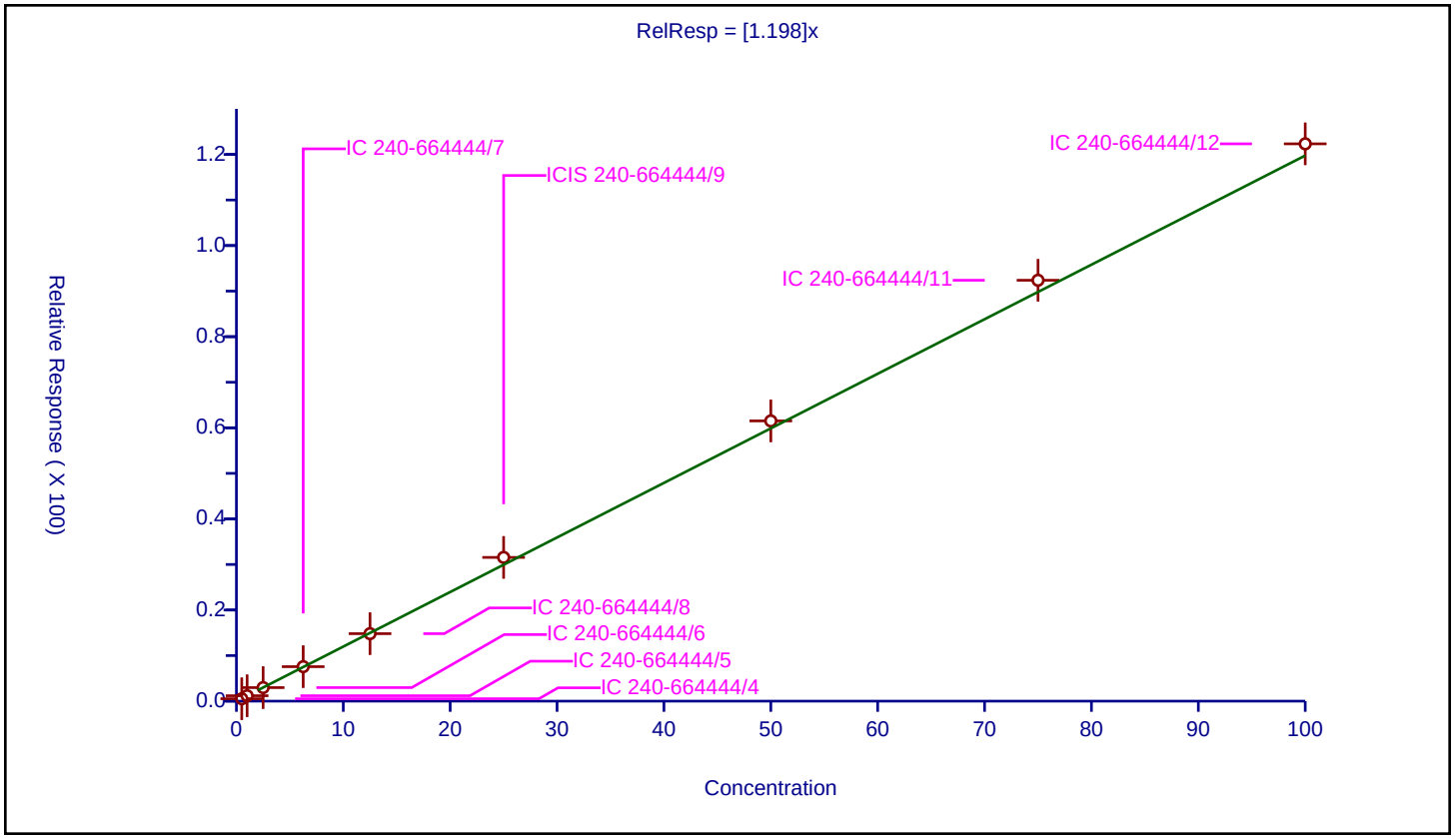
Curve Coefficients

Intercept:	0
Slope:	1.198

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.529228	25.0	477960.0	1.058457	Y
2	IC 240-664444/5	1.0	1.18675	25.0	462018.0	1.18675	Y
3	IC 240-664444/6	2.5	2.973603	25.0	468304.0	1.189441	Y
4	IC 240-664444/7	6.25	7.568032	25.0	488228.0	1.210885	Y
5	IC 240-664444/8	12.5	14.812381	25.0	510929.0	1.18499	Y
6	ICIS 240-664444/9	25.0	31.551353	25.0	502961.0	1.262054	Y
7	IC 240-664444/10	50.0	61.508792	25.0	524108.0	1.230176	Y
8	IC 240-664444/11	75.0	92.383989	25.0	513228.0	1.231787	Y
9	IC 240-664444/12	100.0	122.331781	25.0	500390.0	1.223318	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

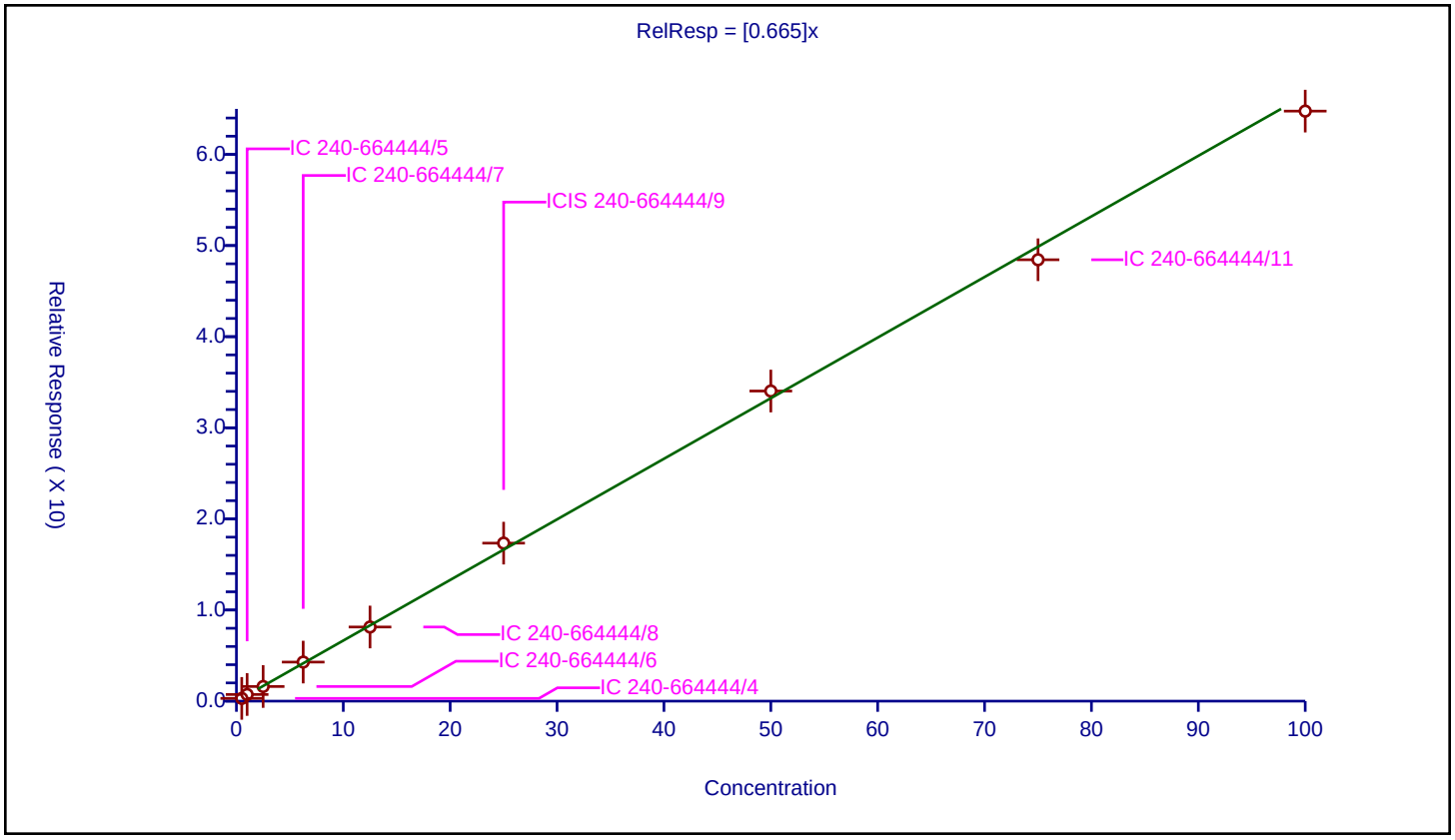
Curve Coefficients

Intercept:	0
Slope:	0.665

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.303739	25.0	477960.0	0.607478	Y
2	IC 240-664444/5	1.0	0.730545	25.0	462018.0	0.730545	Y
3	IC 240-664444/6	2.5	1.605367	25.0	468304.0	0.642147	Y
4	IC 240-664444/7	6.25	4.287392	25.0	488228.0	0.685983	Y
5	IC 240-664444/8	12.5	8.137921	25.0	510929.0	0.651034	Y
6	ICIS 240-664444/9	25.0	17.341702	25.0	502961.0	0.693668	Y
7	IC 240-664444/10	50.0	34.035256	25.0	524108.0	0.680705	Y
8	IC 240-664444/11	75.0	48.442115	25.0	513228.0	0.645895	Y
9	IC 240-664444/12	100.0	64.757789	25.0	500390.0	0.647578	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

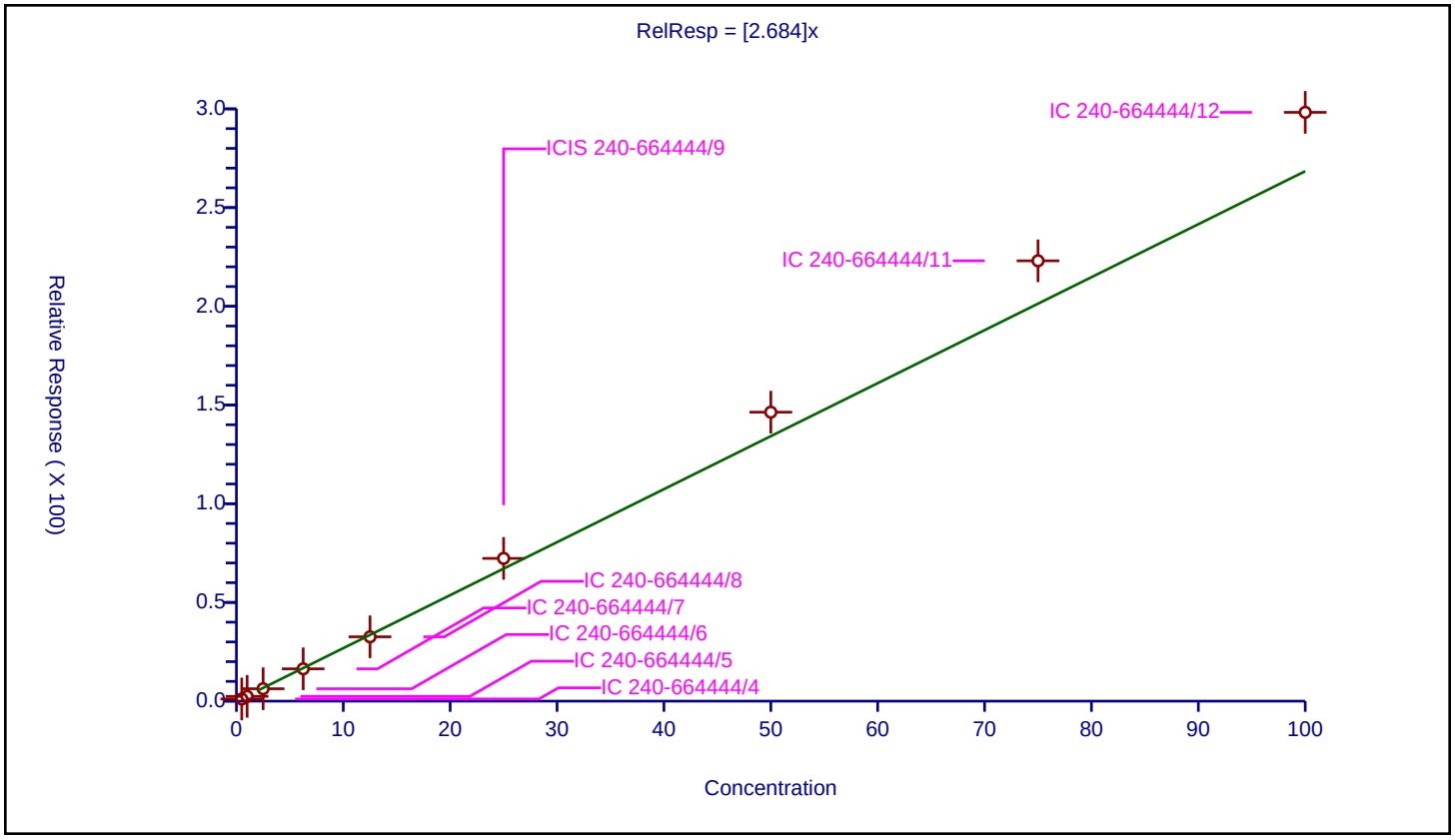
Curve Coefficients

Intercept:	0
Slope:	2.684

Error Coefficients

Relative Standard Deviation:	10.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	1.100929	25.0	477960.0	2.201858	Y
2	IC 240-664444/5	1.0	2.439894	25.0	462018.0	2.439894	Y
3	IC 240-664444/6	2.5	6.283685	25.0	468304.0	2.513474	Y
4	IC 240-664444/7	6.25	16.378004	25.0	488228.0	2.620481	Y
5	IC 240-664444/8	12.5	32.582658	25.0	510929.0	2.606613	Y
6	ICIS 240-664444/9	25.0	72.311124	25.0	502961.0	2.892445	Y
7	IC 240-664444/10	50.0	146.379181	25.0	524108.0	2.927584	Y
8	IC 240-664444/11	75.0	223.041319	25.0	513228.0	2.973884	Y
9	IC 240-664444/12	100.0	298.251764	25.0	500390.0	2.982518	Y



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Calibration / 1,2,3-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

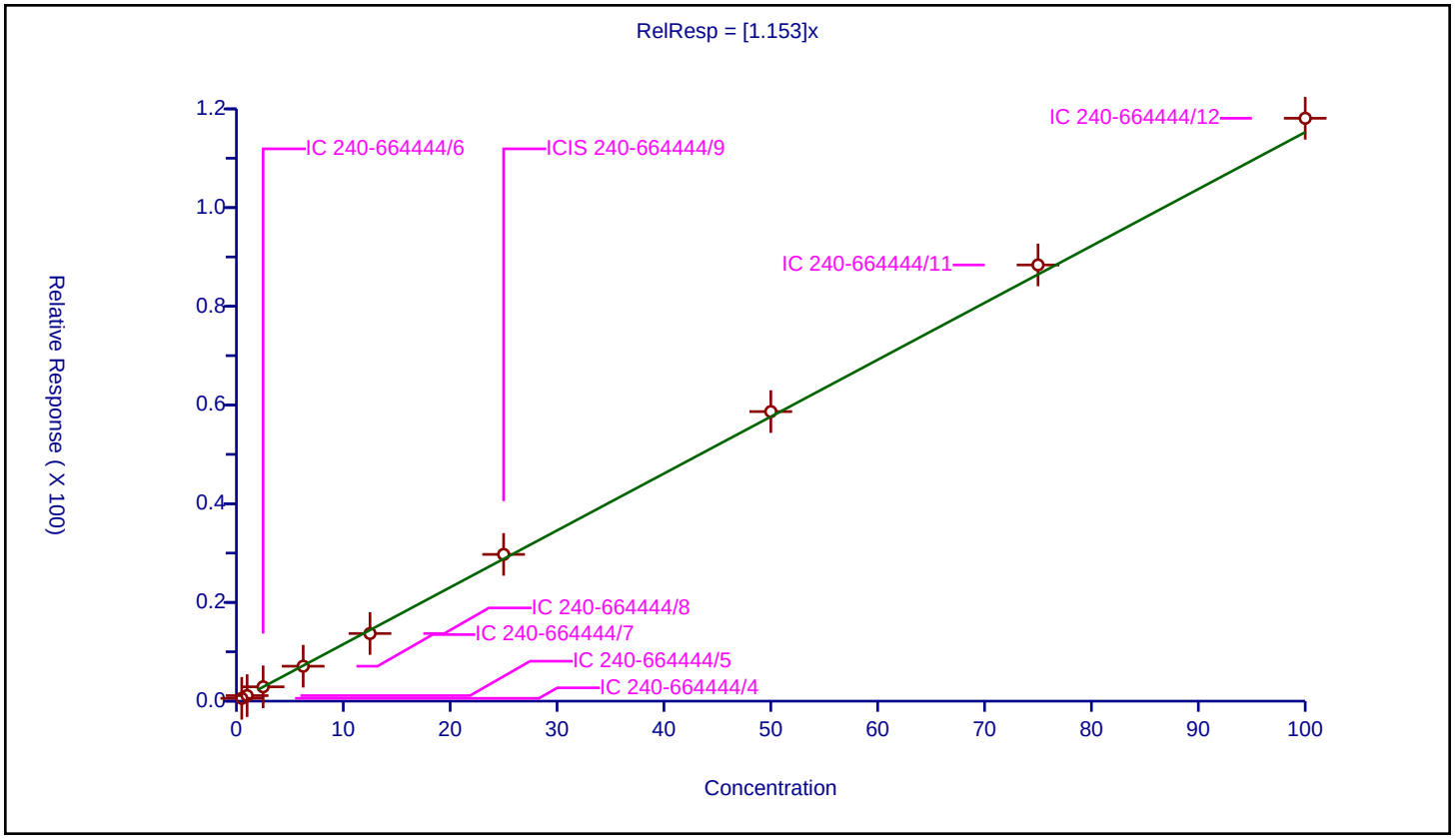
Curve Coefficients

Intercept:	0
Slope:	1.153

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-664444/4	0.5	0.572224	25.0	477960.0	1.144447	Y
2	IC 240-664444/5	1.0	1.119491	25.0	462018.0	1.119491	Y
3	IC 240-664444/6	2.5	2.898972	25.0	468304.0	1.159589	Y
4	IC 240-664444/7	6.25	7.079786	25.0	488228.0	1.132766	Y
5	IC 240-664444/8	12.5	13.707139	25.0	510929.0	1.096571	Y
6	ICIS 240-664444/9	25.0	29.734612	25.0	502961.0	1.189384	Y
7	IC 240-664444/10	50.0	58.667202	25.0	524108.0	1.173344	Y
8	IC 240-664444/11	75.0	88.382015	25.0	513228.0	1.178427	Y
9	IC 240-664444/12	100.0	118.099532	25.0	500390.0	1.180995	Y



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FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-664587/14 Calibration Date: 07/21/2025 16:09

Instrument ID: A3UX22 Calib Start Date: 07/21/2025 12:14

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/21/2025 15:22

Lab File ID: 072125-012.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2913	0.2797	0.1000	0.0240	0.0250	-4.0	30.0
Chloromethane	Ave	0.2452	0.2182	0.1000	0.0223	0.0250	-11.0	30.0
Vinyl chloride	Ave	0.2459	0.2597	0.1000	0.0264	0.0250	5.6	30.0
Butadiene	Ave	0.2414	0.2638		0.0273	0.0250	9.3	30.0
Bromomethane	Lin1		0.0923	0.0500	0.0264	0.0250	5.4	30.0
Chloroethane	Qua		0.1025	0.0500	0.0244	0.0250	-2.3	30.0
Trichlorofluoromethane	Ave	0.3984	0.3925	0.1000	0.0246	0.0250	-1.5	30.0
Dichlorofluoromethane	Ave	0.5081	0.4541		0.0223	0.0250	-10.6	30.0
Ethyl ether	Ave	0.1448	0.1435		0.0248	0.0250	-0.9	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1913	0.2072	0.0500	0.0271	0.0250	8.3	30.0
1,1-Dichloroethene	Ave	0.1863	0.1940	0.1000	0.0260	0.0250	4.1	30.0
Acrolein	Ave	0.0165	0.0197		0.149	0.125	19.6	30.0
Acetone	Ave	0.0858	0.0805	0.0100	0.0469	0.0500	-6.2	50.0
Iodomethane	Qua		0.1732		0.0323	0.0250	29.0	30.0
Carbon disulfide	Ave	0.5533	0.5984	0.1000	0.0270	0.0250	8.2	30.0
3-Chloro-1-propene	Ave	0.2421	0.2418		0.0250	0.0250	-0.2	30.0
Methyl acetate	Ave	0.1908	0.1702	0.0500	0.0446	0.0500	-10.8	50.0
Methylene Chloride	Ave	0.2233	0.2092	0.1000	0.0234	0.0250	-6.3	50.0
2-Methyl-2-propanol	Ave	0.0404	0.0389		0.241	0.250	-3.7	30.0
Methyl tert-butyl ether	Ave	0.5265	0.5547	0.1000	0.0263	0.0250	5.3	30.0
trans-1,2-Dichloroethene	Ave	0.2183	0.2217	0.1000	0.0254	0.0250	1.6	30.0
Acrylonitrile	Ave	0.0944	0.0954		0.253	0.250	1.0	30.0
Hexane	Ave	0.2471	0.2651		0.0268	0.0250	7.3	30.0
1,1-Dichloroethane	Ave	0.3486	0.3495	0.2000	0.0251	0.0250	0.3	30.0
Vinyl acetate	Ave	0.2227	0.3220		0.0361	0.0250	44.6*	30.0
2,2-Dichloropropane	Ave	0.0608	0.0618		0.0254	0.0250	1.7	30.0
cis-1,2-Dichloroethene	Ave	0.2399	0.2394	0.1000	0.0250	0.0250	-0.2	30.0
2-Butanone (MEK)	Ave	0.0361	0.0363	0.0100	0.0502	0.0500	0.5	50.0
Chlorobromomethane	Ave	0.1423	0.1347		0.0237	0.0250	-5.3	30.0
Tetrahydrofuran	Ave	0.0847	0.0794		0.0469	0.0500	-6.3	30.0
Chloroform	Ave	0.3757	0.3700	0.2000	0.0246	0.0250	-1.5	30.0
Cyclohexane	Ave	0.3220	0.3372	0.1000	0.0262	0.0250	4.7	30.0
1,1,1-Trichloroethane	Ave	0.3391	0.3425	0.1000	0.0253	0.0250	1.0	30.0
Carbon tetrachloride	Ave	0.3037	0.3029	0.1000	0.0249	0.0250	-0.2	30.0
1,1-Dichloropropene	Ave	0.2916	0.2908		0.0249	0.0250	-0.3	30.0
Benzene	Ave	0.8121	0.8219	0.5000	0.0253	0.0250	1.2	30.0
Isobutyl alcohol	Ave	0.0104	0.0107		0.643	0.625	2.9	30.0
1,2-Dichloroethane	Ave	0.2733	0.2681	0.1000	0.0245	0.0250	-1.9	30.0
n-Heptane	Ave	0.0579	0.0623		0.0269	0.0250	7.6	30.0
Trichloroethene	Ave	0.2529	0.2563	0.1500	0.0253	0.0250	1.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-664587/14 Calibration Date: 07/21/2025 16:09

Instrument ID: A3UX22 Calib Start Date: 07/21/2025 12:14

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/21/2025 15:22

Lab File ID: 072125-012.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3557	0.3582	0.1000	0.0252	0.0250	0.7	30.0
1,2-Dichloropropane	Ave	0.1899	0.1922	0.1000	0.0253	0.0250	1.2	30.0
Dibromomethane	Ave	0.1619	0.1643		0.0254	0.0250	1.5	30.0
1,4-Dioxane	Ave	0.0047	0.0049		0.516	0.500	3.2	50.0
Dichlorobromomethane	Ave	0.2649	0.2769	0.1500	0.0261	0.0250	4.5	30.0
2-Chloroethyl vinyl ether	Ave	0.1338	0.1391		0.0260	0.0250	3.9	30.0
cis-1,3-Dichloropropene	Ave	0.3156	0.3061	0.1500	0.0242	0.0250	-3.0	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2318	0.2185	0.0500	0.0471	0.0500	-5.7	50.0
Toluene	Ave	1.153	1.152	0.4000	0.0250	0.0250	-0.0	30.0
trans-1,3-Dichloropropene	Ave	0.3419	0.3764	0.1000	0.0275	0.0250	10.1	30.0
Ethyl methacrylate	Ave	0.3219	0.3251		0.0252	0.0250	1.0	30.0
1,1,2-Trichloroethane	Ave	0.2348	0.2466	0.1000	0.0262	0.0250	5.0	30.0
Tetrachloroethene	Ave	0.3316	0.3387	0.1500	0.0255	0.0250	2.1	30.0
1,3-Dichloropropane	Ave	0.3947	0.4158		0.0263	0.0250	5.4	30.0
2-Hexanone	Ave	0.2101	0.2203	0.0500	0.0524	0.0500	4.8	50.0
Chlorodibromomethane	Ave	0.2724	0.2907		0.0267	0.0250	6.7	30.0
Ethylene Dibromide	Ave	0.2582	0.2700		0.0261	0.0250	4.6	30.0
Chlorobenzene	Ave	0.7772	0.7939	0.3000	0.0255	0.0250	2.1	30.0
Ethylbenzene	Ave	0.4271	0.4319		0.0253	0.0250	1.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2614	0.2795		0.0267	0.0250	6.9	30.0
m-Xylene & p-Xylene	Ave	0.5222	0.5323		0.0255	0.0250	1.9	30.0
o-Xylene	Ave	0.5040	0.5157		0.0256	0.0250	2.3	30.0
Styrene	Ave	0.8114	0.8298	0.3000	0.0256	0.0250	2.3	30.0
Bromoform	Ave	0.2057	0.2199	0.1000	0.0267	0.0250	6.9	30.0
Isopropylbenzene	Ave	1.217	1.382	0.1000	0.0284	0.0250	13.6	30.0
Bromobenzene	Ave	0.5653	0.5841		0.0258	0.0250	3.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6023	0.6313	0.3000	0.0262	0.0250	4.8	30.0
N-Propylbenzene	Ave	0.6336	0.6665		0.0263	0.0250	5.2	30.0
1,2,3-Trichloropropane	Ave	0.2133	0.2234		0.0262	0.0250	4.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1732	0.1764		0.0255	0.0250	1.9	30.0
2-Chlorotoluene	Ave	0.5415	0.5488		0.0253	0.0250	1.3	30.0
1,3,5-Trimethylbenzene	Ave	1.788	1.878		0.0263	0.0250	5.0	30.0
4-Chlorotoluene	Ave	0.5573	0.5850		0.0262	0.0250	5.0	30.0
tert-Butylbenzene	Ave	1.648	1.695		0.0257	0.0250	2.9	30.0
1,2,4-Trimethylbenzene	Ave	1.825	1.892		0.0259	0.0250	3.6	30.0
sec-Butylbenzene	Ave	2.341	2.446		0.0261	0.0250	4.5	30.0
1,3-Dichlorobenzene	Ave	1.069	1.120	0.6000	0.0262	0.0250	4.8	30.0
4-Isopropyltoluene	Ave	2.047	2.091		0.0255	0.0250	2.1	30.0
1,4-Dichlorobenzene	Ave	1.075	1.103	0.5000	0.0257	0.0250	2.6	30.0
n-Butylbenzene	Ave	1.702	1.770		0.0260	0.0250	4.0	30.0
1,2-Dichlorobenzene	Ave	1.004	1.030	0.4000	0.0257	0.0250	2.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-664587/14 Calibration Date: 07/21/2025 16:09

Instrument ID: A3UX22 Calib Start Date: 07/21/2025 12:14

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/21/2025 15:22

Lab File ID: 072125-012.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1943	0.1979	0.0500	0.0255	0.0250	1.9	50.0
1,2,4-Trichlorobenzene	Ave	0.6316	0.6787	0.2000	0.0269	0.0250	7.5	50.0
Hexachlorobutadiene	Ave	0.2859	0.2984		0.0261	0.0250	4.4	50.0
Naphthalene	Ave	1.945	2.077		0.0267	0.0250	6.8	50.0
1,2,3-Trichlorobenzene	Ave	0.5945	0.6146		0.0258	0.0250	3.4	30.0
Dibromofluoromethane (Surr)	Ave	0.2770	0.2697		0.0243	0.0250	-2.6	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2979	0.2899		0.0243	0.0250	-2.7	30.0
Toluene-d8 (Surr)	Ave	1.192	1.195		0.0251	0.0250	0.3	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5003	0.4957		0.0248	0.0250	-0.9	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-012.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Jul-2025 16:09:10 ALS Bottle#: 12 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: icv
Misc. Info.: 240-0157172-014
Operator ID: Instrument ID: A3UX22
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:30:49 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 16:46:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.232	0.001	99	962415	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	84	750327	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	95	447302	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	259539	25.0	24.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.901	6.900	0.001	0	278996	25.0	24.3	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	896893	25.0	25.1	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.418	0.001	92	371915	25.0	24.8	
9 Dichlorodifluoromethane	85	1.220	1.232	-0.012	99	269168	25.0	24.0	
10 Chloromethane	50	1.422	1.422	0.000	99	210030	25.0	22.3	
12 Vinyl chloride	62	1.517	1.516	0.001	98	249926	25.0	26.4	
13 Butadiene	54	1.540	1.552	-0.012	89	253926	25.0	27.3	
14 Bromomethane	94	1.849	1.849	0.001	90	88788	25.0	26.4	
15 Chloroethane	64	1.944	1.943	0.001	99	98616	25.0	24.4	
16 Trichlorofluoromethane	101	2.181	2.181	0.000	98	377762	25.0	24.6	
18 Dichlorofluoromethane	67	2.205	2.216	-0.011	97	437042	25.0	22.3	
19 Ethyl ether	59	2.584	2.584	0.000	87	138099	25.0	24.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.797	2.809	-0.012	92	199416	25.0	27.1	
22 Acrolein	56	2.833	2.833	0.000	49	95005	125.0	149.5	
23 1,1-Dichloroethene	96	2.833	2.833	0.000	98	186669	25.0	26.0	
26 Iodomethane	142	3.046	3.058	-0.012	99	166652	25.0	32.3	
25 Acetone	43	3.046	3.058	-0.012	100	154938	50.0	46.9	
27 Carbon disulfide	76	3.070	3.082	-0.012	99	575951	25.0	27.0	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	85	232678	25.0	25.0	
29 Methyl acetate	43	3.473	3.485	-0.012	97	327622	50.0	44.6	
31 Methylene Chloride	84	3.628	3.639	-0.011	87	201370	25.0	23.4	
32 2-Methyl-2-propanol	59	3.936	3.936	0.000	98	374816	250.0	240.7	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	93	533835	25.0	26.3	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	74	213381	25.0	25.4	
35 Acrylonitrile	53	4.185	4.185	0.000	98	918352	250.0	252.6	
36 Hexane	57	4.327	4.339	-0.012	91	255123	25.0	26.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	336401	25.0	25.1	
40 Vinyl acetate	43	4.956	4.967	-0.011	97	309940	25.0	36.1	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	88	59519	25.0	25.4	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	77	230438	25.0	25.0	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	98	69900	50.0	50.2	
48 Chlorobromomethane	49	6.106	6.118	-0.012	88	129648	25.0	23.7	
49 Tetrahydrofuran	42	6.118	6.118	0.000	82	152794	50.0	46.9	
51 Chloroform	83	6.236	6.248	-0.012	93	356134	25.0	24.6	
52 Cyclohexane	84	6.331	6.331	0.000	88	324494	25.0	26.2	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	97	329663	25.0	25.3	
54 Carbon tetrachloride	117	6.533	6.533	0.000	98	291561	25.0	24.9	
55 1,1-Dichloropropene	75	6.604	6.604	0.000	97	279889	25.0	24.9	
56 Benzene	78	6.853	6.853	0.000	95	790983	25.0	25.3	
57 Isobutyl alcohol	41	6.948	6.948	0.000	92	258157	625.0	643.3	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	258021	25.0	24.5	
60 n-Heptane	100	7.126	7.126	0.000	86	59977	25.0	26.9	
61 Trichloroethene	130	7.648	7.647	0.001	96	246671	25.0	25.3	
63 Methylcyclohexane	83	7.754	7.754	0.000	87	344777	25.0	25.2	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	94	185017	25.0	25.3	
67 Dibromomethane	174	8.098	8.098	0.000	92	158127	25.0	25.4	
68 1,4-Dioxane	88	8.110	8.110	0.000	90	93844	500.0	515.9	
70 Dichlorobromomethane	83	8.276	8.276	0.000	99	266493	25.0	26.1	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	93	133840	25.0	26.0	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	294559	25.0	24.2	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	95	420628	50.0	47.1	
75 Toluene	91	9.047	9.047	0.000	98	864436	25.0	25.0	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	92	282388	25.0	27.5	
77 Ethyl methacrylate	69	9.403	9.402	0.001	86	243898	25.0	25.2	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	92	185012	25.0	26.2	
79 Tetrachloroethene	166	9.557	9.557	0.000	97	254150	25.0	25.5	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	311980	25.0	26.3	
82 2-Hexanone	43	9.758	9.758	0.000	96	330590	50.0	52.4	
84 Chlorodibromomethane	129	9.877	9.877	0.000	89	218086	25.0	26.7	
85 Ethylene Dibromide	107	9.984	9.984	0.000	99	202617	25.0	26.1	
87 Chlorobenzene	112	10.411	10.410	0.001	97	595705	25.0	25.5	
88 Ethylbenzene	106	10.482	10.482	0.000	98	324033	25.0	25.3	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.493	0.001	96	209684	25.0	26.7	
90 m-Xylene & p-Xylene	106	10.589	10.588	0.001	100	399400	25.0	25.5	
92 o-Xylene	106	10.944	10.944	0.000	96	386914	25.0	25.6	
93 Styrene	104	10.968	10.968	0.000	94	622626	25.0	25.6	
94 Bromoform	173	11.146	11.146	0.000	97	165012	25.0	26.7	
95 Isopropylbenzene	105	11.253	11.252	0.001	95	1036830	25.0	28.4	
97 Bromobenzene	156	11.537	11.537	0.000	88	261276	25.0	25.8	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	282367	25.0	26.2	
99 N-Propylbenzene	120	11.597	11.596	0.001	99	298111	25.0	26.3	
100 1,2,3-Trichloropropane	110	11.620	11.620	0.000	86	99947	25.0	26.2	
101 trans-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	79	78921	25.0	25.5	
102 2-Chlorotoluene	126	11.691	11.691	0.000	97	245483	25.0	25.3	
103 1,3,5-Trimethylbenzene	105	11.751	11.750	0.001	95	839950	25.0	26.3	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	261668	25.0	26.2	
105 tert-Butylbenzene	119	12.012	12.000	0.012	91	758175	25.0	25.7	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	846100	25.0	25.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.190	12.189	0.001	93	1094100	25.0	26.1	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	97	501142	25.0	26.2	
109 4-Isopropyltoluene	119	12.308	12.308	0.000	97	935410	25.0	25.5	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	95	493583	25.0	25.7	
114 n-Butylbenzene	91	12.628	12.628	0.000	97	791587	25.0	26.0	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	460790	25.0	25.7	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	92	88513	25.0	25.5	
118 1,2,4-Trichlorobenzene	180	13.956	13.956	0.000	94	303566	25.0	26.9	
119 Hexachlorobutadiene	225	14.051	14.039	0.012	98	133481	25.0	26.1	
121 Naphthalene	128	14.158	14.158	0.000	97	929084	25.0	26.7	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	96	274896	25.0	25.8	
S 127 Trihalomethanes, Total	1				0		100.0	104.2	
S 126 Total BTEX	1				0		125.0	126.6	
S 130 Xylenes, Total	106				0		50.0	51.1	

QC Flag Legend

Processing Flags

Reagents:

VMFASGW_00632	Amount Added: 20.00	Units: uL		
VMFASPW_00606	Amount Added: 20.00	Units: uL		
VMFASAW_00572	Amount Added: 20.00	Units: uL		
vm25UX18SS_00017	Amount Added: 5.00	Units: uL	Run Reagent	
vm40ml_vials_00077	Amount Added: 0.00	Units:	Run Reagent	
vmDist_H2o_00279	Amount Added: 0.00	Units:	Run Reagent	
VMUX11IS_00001	Amount Added: 5.00	Units: uL	Run Reagent	

Report Date: 22-Jul-2025 09:30:52 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-012.D

Injection Date: 21-Jul-2025 16:09:10 Instrument ID: A3UX22 Operator ID:

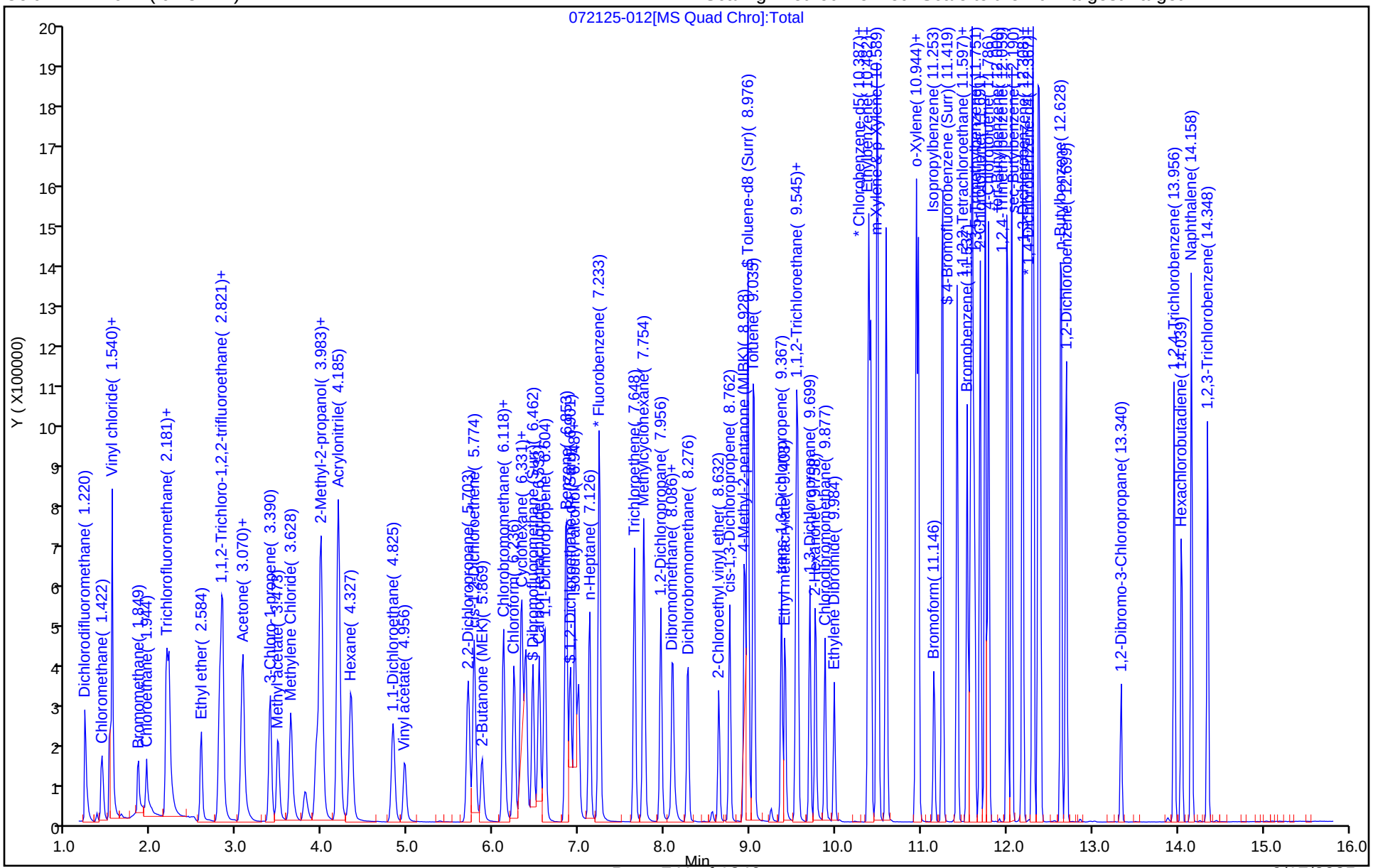
Lims ID: ICV Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCVIS 240-666167/1 Calibration Date: 08/02/2025 21:32

Instrument ID: A3UX22 Calib Start Date: 07/21/2025 12:14

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/21/2025 15:22

Lab File ID: 080225-032.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2913	0.2740	0.1000	0.0235	0.0250	-5.9	20.0
Chloromethane	Ave	0.2452	0.2321	0.1000	0.0237	0.0250	-5.3	20.0
Vinyl chloride	Ave	0.2459	0.2285	0.1000	0.0232	0.0250	-7.1	20.0
Butadiene	Ave	0.2414	0.2228		0.0231	0.0250	-7.7	20.0
Bromomethane	Lin1		0.0668	0.0500	0.0183	0.0250	-26.9*	20.0
Chloroethane	Qua		0.0841	0.0500	0.0194	0.0250	-22.3*	20.0
Trichlorofluoromethane	Ave	0.3984	0.2838	0.1000	0.0178	0.0250	-28.8*	20.0
Dichlorofluoromethane	Ave	0.5081	0.3879		0.0191	0.0250	-23.7*	20.0
Ethyl ether	Ave	0.1448	0.1427		0.0246	0.0250	-1.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1913	0.1705	0.0500	0.0223	0.0250	-10.9	20.0
1,1-Dichloroethene	Ave	0.1863	0.1709	0.1000	0.0229	0.0250	-8.3	20.0
Acrolein	Ave	0.0165	0.0233		0.176	0.125	41.2*	20.0
Iodomethane	Qua		0.1010		0.0209	0.0250	-16.2	20.0
Acetone	Ave	0.0858	0.0929	0.0100	0.0542	0.0500	8.3	50.0
Carbon disulfide	Ave	0.5533	0.4704	0.1000	0.0213	0.0250	-15.0	20.0
3-Chloro-1-propene	Ave	0.2421	0.2153		0.0222	0.0250	-11.1	20.0
Methyl acetate	Ave	0.1908	0.1827	0.0500	0.0479	0.0500	-4.3	50.0
Methylene Chloride	Ave	0.2233	0.2071	0.1000	0.0232	0.0250	-7.2	50.0
2-Methyl-2-propanol	Ave	0.0404	0.0362		0.224	0.250	-10.5	20.0
Methyl tert-butyl ether	Ave	0.5265	0.5265	0.1000	0.0250	0.0250	-0.0	20.0
trans-1,2-Dichloroethene	Ave	0.2183	0.2024	0.1000	0.0232	0.0250	-7.3	20.0
Acrylonitrile	Ave	0.0944	0.0976		0.258	0.250	3.3	20.0
Hexane	Ave	0.2471	0.2247		0.0227	0.0250	-9.1	20.0
1,1-Dichloroethane	Ave	0.3486	0.3386	0.2000	0.0243	0.0250	-2.9	20.0
Vinyl acetate	Ave	0.2227	0.2083		0.0234	0.0250	-6.5	20.0
2,2-Dichloropropane	Ave	0.0608	0.0471		0.0193	0.0250	-22.6*	20.0
cis-1,2-Dichloroethene	Ave	0.2399	0.2366	0.1000	0.0247	0.0250	-1.3	20.0
2-Butanone (MEK)	Ave	0.0361	0.0373	0.0100	0.0516	0.0500	3.1	50.0
Chlorobromomethane	Ave	0.1423	0.1379		0.0242	0.0250	-3.1	20.0
Tetrahydrofuran	Ave	0.0847	0.0811		0.0479	0.0500	-4.3	20.0
Chloroform	Ave	0.3757	0.3651	0.2000	0.0243	0.0250	-2.8	20.0
Cyclohexane	Ave	0.3220	0.2875	0.1000	0.0223	0.0250	-10.7	20.0
1,1,1-Trichloroethane	Ave	0.3391	0.3009	0.1000	0.0222	0.0250	-11.3	20.0
Carbon tetrachloride	Ave	0.3037	0.2504	0.1000	0.0206	0.0250	-17.5	20.0
1,1-Dichloropropene	Ave	0.2916	0.2683		0.0230	0.0250	-8.0	20.0
Benzene	Ave	0.8121	0.7934	0.5000	0.0244	0.0250	-2.3	20.0
Isobutyl alcohol	Ave	0.0104	0.0106		0.637	0.625	1.8	20.0
1,2-Dichloroethane	Ave	0.2733	0.2670	0.1000	0.0244	0.0250	-2.3	20.0
n-Heptane	Ave	0.0579	0.0530		0.0229	0.0250	-8.4	20.0
Trichloroethene	Ave	0.2529	0.2325	0.1500	0.0230	0.0250	-8.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCVIS 240-666167/1 Calibration Date: 08/02/2025 21:32

Instrument ID: A3UX22 Calib Start Date: 07/21/2025 12:14

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/21/2025 15:22

Lab File ID: 080225-032.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3557	0.3221	0.1000	0.0226	0.0250	-9.4	20.0
1,2-Dichloropropane	Ave	0.1899	0.1866	0.1000	0.0246	0.0250	-1.7	20.0
Dibromomethane	Ave	0.1619	0.1460		0.0225	0.0250	-9.8	20.0
1,4-Dioxane	Ave	0.0047	0.0048		0.510	0.500	2.0	50.0
Dichlorobromomethane	Ave	0.2649	0.2472	0.1500	0.0233	0.0250	-6.7	20.0
2-Chloroethyl vinyl ether	Ave	0.1338	0.1326		0.0496	0.0500	-0.9	20.0
cis-1,3-Dichloropropene	Ave	0.3156	0.2882	0.1500	0.0228	0.0250	-8.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2318	0.2171	0.0500	0.0468	0.0500	-6.3	50.0
Toluene	Ave	1.153	1.109	0.4000	0.0240	0.0250	-3.9	20.0
trans-1,3-Dichloropropene	Ave	0.3419	0.3287	0.1000	0.0240	0.0250	-3.9	20.0
Ethyl methacrylate	Ave	0.3219	0.3414		0.0265	0.0250	6.1	20.0
1,1,2-Trichloroethane	Ave	0.2348	0.2496	0.1000	0.0266	0.0250	6.3	20.0
Tetrachloroethene	Ave	0.3316	0.2893	0.1500	0.0218	0.0250	-12.8	20.0
1,3-Dichloropropane	Ave	0.3947	0.4249		0.0269	0.0250	7.7	20.0
2-Hexanone	Ave	0.2101	0.2270	0.0500	0.0540	0.0500	8.0	50.0
Chlorodibromomethane	Ave	0.2724	0.2606		0.0239	0.0250	-4.3	20.0
Ethylene Dibromide	Ave	0.2582	0.2676		0.0259	0.0250	3.6	20.0
Chlorobenzene	Ave	0.7772	0.7395	0.3000	0.0238	0.0250	-4.8	20.0
Ethylbenzene	Ave	0.4271	0.3931		0.0230	0.0250	-8.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2614	0.2439		0.0233	0.0250	-6.7	20.0
m-Xylene & p-Xylene	Ave	0.5222	0.4844		0.0232	0.0250	-7.2	20.0
o-Xylene	Ave	0.5040	0.4737		0.0235	0.0250	-6.0	20.0
Styrene	Ave	0.8114	0.7876	0.3000	0.0243	0.0250	-2.9	20.0
Bromoform	Ave	0.2057	0.1779	0.1000	0.0216	0.0250	-13.5	20.0
Isopropylbenzene	Ave	1.217	1.119	0.1000	0.0230	0.0250	-8.0	20.0
Bromobenzene	Ave	0.5653	0.5308		0.0235	0.0250	-6.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6023	0.6214	0.3000	0.0258	0.0250	3.2	20.0
N-Propylbenzene	Ave	0.6336	0.5880		0.0232	0.0250	-7.2	20.0
1,2,3-Trichloropropane	Ave	0.2133	0.2248		0.0263	0.0250	5.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1732	0.1282		0.0185	0.0250	-26.0*	20.0
2-Chlorotoluene	Ave	0.5415	0.5031		0.0232	0.0250	-7.1	20.0
1,3,5-Trimethylbenzene	Ave	1.788	1.681		0.0235	0.0250	-6.0	20.0
4-Chlorotoluene	Ave	0.5573	0.5225		0.0234	0.0250	-6.2	20.0
tert-Butylbenzene	Ave	1.648	1.531		0.0232	0.0250	-7.1	20.0
1,2,4-Trimethylbenzene	Ave	1.825	1.742		0.0239	0.0250	-4.6	20.0
sec-Butylbenzene	Ave	2.341	2.225		0.0238	0.0250	-5.0	20.0
4-Isopropyltoluene	Ave	2.047	1.911		0.0233	0.0250	-6.6	20.0
1,3-Dichlorobenzene	Ave	1.069	1.028	0.6000	0.0240	0.0250	-3.8	20.0
1,4-Dichlorobenzene	Ave	1.075	0.9901	0.5000	0.0230	0.0250	-7.9	20.0
n-Butylbenzene	Ave	1.702	1.640		0.0241	0.0250	-3.7	20.0
1,2-Dichlorobenzene	Ave	1.004	0.9538	0.4000	0.0238	0.0250	-5.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCVIS 240-666167/1 Calibration Date: 08/02/2025 21:32

Instrument ID: A3UX22 Calib Start Date: 07/21/2025 12:14

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/21/2025 15:22

Lab File ID: 080225-032.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1943	0.1796	0.0500	0.0231	0.0250	-7.6	50.0
1,2,4-Trichlorobenzene	Ave	0.6316	0.5668	0.2000	0.0224	0.0250	-10.3	50.0
Hexachlorobutadiene	Ave	0.2859	0.2400		0.0210	0.0250	-16.0	50.0
Naphthalene	Ave	1.945	1.938		0.0249	0.0250	-0.4	50.0
1,2,3-Trichlorobenzene	Ave	0.5945	0.5517		0.0232	0.0250	-7.2	20.0
Dibromofluoromethane (Surr)	Ave	0.2770	0.2575		0.0232	0.0250	-7.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2979	0.2788		0.0234	0.0250	-6.4	20.0
Toluene-d8 (Surr)	Ave	1.192	1.227		0.0257	0.0250	2.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5003	0.5241		0.0262	0.0250	4.8	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-032.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 02-Aug-2025 21:32:46 ALS Bottle#: 31 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 240-0157588-001
Operator ID: Instrument ID: A3UX22
Sublist: chrom-8260_22*sub36

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:00 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:43:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.233	0.000	99	1011820	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	85	762881	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	95	444132	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	260494	25.0	23.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.901	6.901	0.000	0	282059	25.0	23.4	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	935834	25.0	25.7	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.419	0.000	91	399817	25.0	26.2	
9 Dichlorodifluoromethane	85	1.220	1.220	0.000	99	277220	25.0	23.5	
10 Chloromethane	50	1.422	1.422	0.000	99	234826	25.0	23.7	
12 Vinyl chloride	62	1.517	1.517	0.000	98	231197	25.0	23.2	
13 Butadiene	54	1.541	1.541	0.000	89	225415	25.0	23.1	
14 Bromomethane	94	1.849	1.849	0.000	90	67599	25.0	18.3	
15 Chloroethane	64	1.944	1.944	0.000	99	85106	25.0	19.4	
16 Trichlorofluoromethane	101	2.181	2.181	0.000	99	287183	25.0	17.8	
18 Dichlorofluoromethane	67	2.205	2.205	0.000	97	392508	25.0	19.1	
19 Ethyl ether	59	2.584	2.584	0.000	88	144415	25.0	24.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.798	2.798	0.000	92	172501	25.0	22.3	
22 Acrolein	56	2.833	2.833	0.000	58	117935	125.0	176.5	
23 1,1-Dichloroethene	96	2.833	2.833	0.000	98	172933	25.0	22.9	
26 Iodomethane	142	3.047	3.047	0.000	99	102167	25.0	20.9	
25 Acetone	43	3.058	3.058	0.000	100	188015	50.0	54.2	
27 Carbon disulfide	76	3.070	3.070	0.000	99	475975	25.0	21.3	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	86	217889	25.0	22.2	
29 Methyl acetate	43	3.473	3.473	0.000	96	369711	50.0	47.9	
31 Methylene Chloride	84	3.628	3.628	0.000	87	209580	25.0	23.2	
32 2-Methyl-2-propanol	59	3.936	3.936	0.000	97	366383	250.0	223.8	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	92	532702	25.0	25.0	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	73	204777	25.0	23.2	
35 Acrylonitrile	53	4.185	4.185	0.000	98	987033	250.0	258.2	
36 Hexane	57	4.339	4.339	0.000	90	227373	25.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	342567	25.0	24.3	
40 Vinyl acetate	43	4.956	4.956	0.000	97	210766	25.0	23.4	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	91	47629	25.0	19.3	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	77	239429	25.0	24.7	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	98	75410	50.0	51.6	
48 Chlorobromomethane	49	6.106	6.106	0.000	91	139537	25.0	24.2	
49 Tetrahydrofuran	42	6.118	6.118	0.000	83	164091	50.0	47.9	
51 Chloroform	83	6.237	6.237	0.000	93	369441	25.0	24.3	
52 Cyclohexane	84	6.331	6.331	0.000	87	290921	25.0	22.3	
53 1,1,1-Trichloroethane	97	6.379	6.379	0.000	98	304447	25.0	22.2	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	253399	25.0	20.6	
55 1,1-Dichloropropene	75	6.592	6.592	0.000	97	271476	25.0	23.0	
56 Benzene	78	6.853	6.853	0.000	95	802763	25.0	24.4	
57 Isobutyl alcohol	41	6.948	6.948	0.000	92	268575	625.0	636.5	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	270109	25.0	24.4	
60 n-Heptane	100	7.126	7.126	0.000	86	53646	25.0	22.9	
61 Trichloroethene	130	7.648	7.648	0.000	98	235222	25.0	23.0	
63 Methylcyclohexane	83	7.754	7.754	0.000	86	325887	25.0	22.6	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	94	188827	25.0	24.6	
67 Dibromomethane	174	8.086	8.086	0.000	95	147736	25.0	22.5	
68 1,4-Dioxane	88	8.110	8.110	0.000	90	97519	500.0	509.9	
70 Dichlorobromomethane	83	8.264	8.264	0.000	99	250110	25.0	23.3	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	93	268411	50.0	49.6	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	291638	25.0	22.8	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	95	439332	50.0	46.8	
75 Toluene	91	9.035	9.035	0.000	98	845680	25.0	24.0	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	92	250794	25.0	24.0	
77 Ethyl methacrylate	69	9.403	9.403	0.000	87	260444	25.0	26.5	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	93	190436	25.0	26.6	
79 Tetrachloroethene	166	9.557	9.557	0.000	97	220688	25.0	21.8	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	324186	25.0	26.9	
82 2-Hexanone	43	9.759	9.759	0.000	95	346351	50.0	54.0	
84 Chlorodibromomethane	129	9.877	9.877	0.000	89	198771	25.0	23.9	
85 Ethylene Dibromide	107	9.984	9.984	0.000	99	204109	25.0	25.9	
87 Chlorobenzene	112	10.411	10.411	0.000	96	564168	25.0	23.8	
88 Ethylbenzene	106	10.482	10.482	0.000	98	299911	25.0	23.0	
89 1,1,1,2-Tetrachloroethane	131	10.494	10.494	0.000	94	186098	25.0	23.3	
90 m-Xylene & p-Xylene	106	10.589	10.589	0.000	100	369534	25.0	23.2	
92 o-Xylene	106	10.944	10.944	0.000	96	361403	25.0	23.5	
93 Styrene	104	10.968	10.968	0.000	94	600873	25.0	24.3	
94 Bromoform	173	11.146	11.146	0.000	97	135736	25.0	21.6	
95 Isopropylbenzene	105	11.241	11.241	0.000	96	854001	25.0	23.0	
97 Bromobenzene	156	11.537	11.537	0.000	89	235767	25.0	23.5	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	275989	25.0	25.8	
99 N-Propylbenzene	120	11.597	11.597	0.000	99	261165	25.0	23.2	
100 1,2,3-Trichloropropane	110	11.608	11.608	0.000	86	99821	25.0	26.3	
101 trans-1,4-Dichloro-2-butene	53	11.620	11.620	0.000	76	56955	25.0	18.5	
102 2-Chlorotoluene	126	11.692	11.692	0.000	97	223461	25.0	23.2	
103 1,3,5-Trimethylbenzene	105	11.751	11.751	0.000	94	746573	25.0	23.5	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	232068	25.0	23.4	
105 tert-Butylbenzene	119	12.000	12.000	0.000	93	679857	25.0	23.2	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	773708	25.0	23.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 sec-Butylbenzene	105	12.190	12.190	0.000	94	988207	25.0	23.8	
109 4-Isopropyltoluene	119	12.296	12.296	0.000	97	848948	25.0	23.3	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	98	456548	25.0	24.0	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	96	439717	25.0	23.0	
114 n-Butylbenzene	91	12.628	12.628	0.000	98	728163	25.0	24.1	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	423633	25.0	23.8	
116 1,2-Dibromo-3-Chloropropane	157	13.340	13.340	0.000	92	79771	25.0	23.1	
118 1,2,4-Trichlorobenzene	180	13.957	13.957	0.000	95	251729	25.0	22.4	
119 Hexachlorobutadiene	225	14.040	14.040	0.000	98	106613	25.0	21.0	
121 Naphthalene	128	14.158	14.158	0.000	97	860662	25.0	24.9	
122 1,2,3-Trichlorobenzene	180	14.348	14.348	0.000	96	245010	25.0	23.2	
S 127 Trihalomethanes, Total	1				0		100.0	93.2	
S 126 Total BTEX	1				0		125.0	118.2	
S 130 Xylenes, Total	106				0		50.0	46.7	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00649	Amount Added:	20.00	Units: uL	
VMAROLISTDW_00606	Amount Added:	20.00	Units: uL	
VMRGAS_00590	Amount Added:	20.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 04-Aug-2025 13:51:00 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-032.D

Injection Date: 02-Aug-2025 21:32:46 Instrument ID: A3UX22 Operator ID:

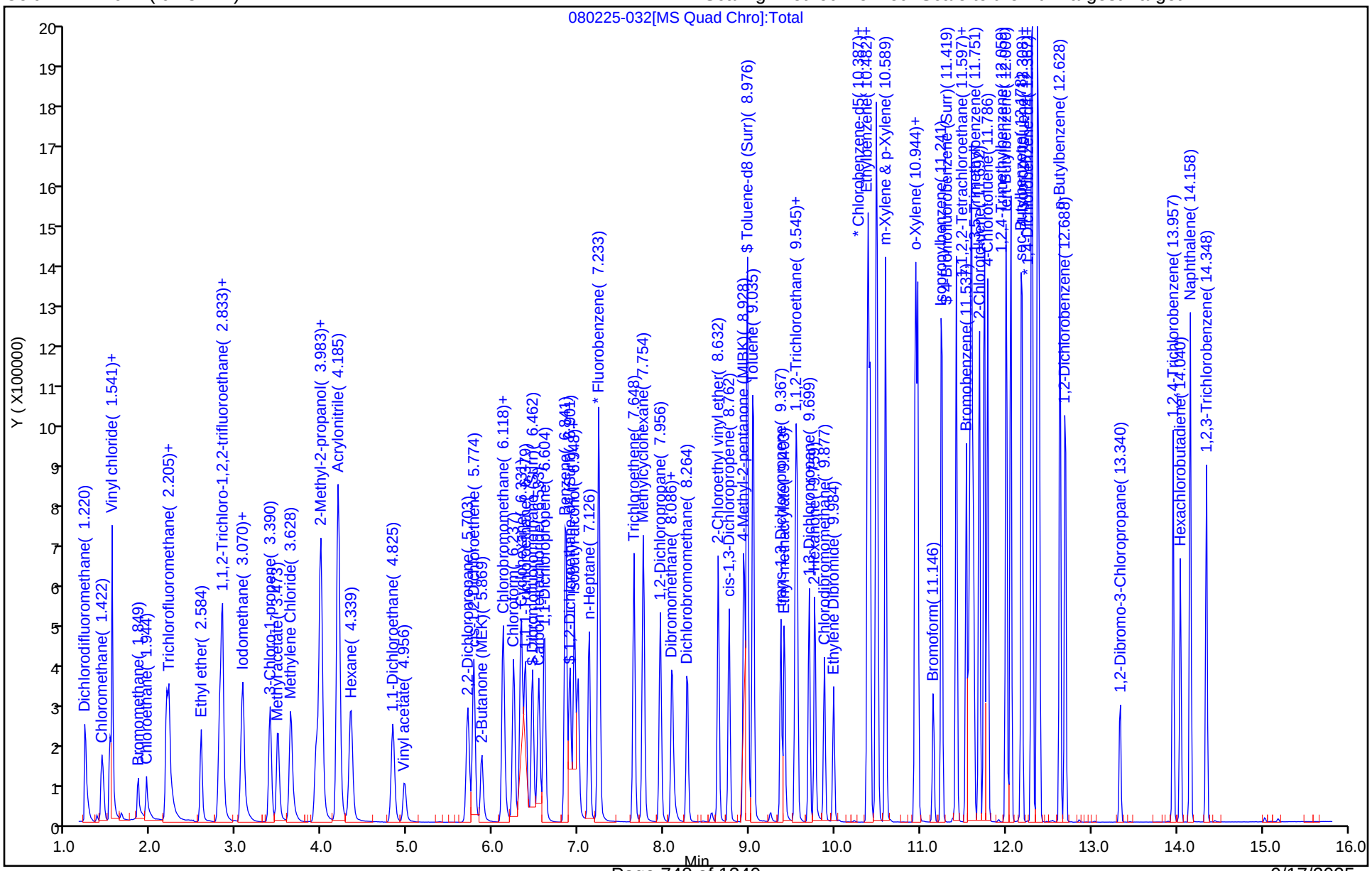
Lims ID: CCVIS Worklist Smp#: 1

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 31

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-664444/14 Calibration Date: 07/18/2025 19:19

Instrument ID: A3UX27 Calib Start Date: 07/18/2025 15:22

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/18/2025 18:31

Lab File ID: 250718-212.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2824	0.2248	0.1000	0.0199	0.0250	-20.4	30.0
Chloromethane	Ave	0.2880	0.2518	0.1000	0.0219	0.0250	-12.6	30.0
Vinyl chloride	Ave	0.2808	0.2786	0.1000	0.0248	0.0250	-0.8	30.0
Butadiene	Ave	0.2490	0.2582		0.0259	0.0250	3.7	30.0
Bromomethane	Qua		0.2059	0.0500	0.0227	0.0250	-9.0	30.0
Chloroethane	Ave	0.1977	0.1858	0.0500	0.0235	0.0250	-6.0	30.0
Dichlorofluoromethane	Qua		0.2043		0.0244	0.0250	-2.2	30.0
Trichlorofluoromethane	Ave	0.2386	0.2277	0.1000	0.0239	0.0250	-4.6	30.0
Ethyl ether	Ave	0.2441	0.2629		0.0269	0.0250	7.7	30.0
Acrolein	Ave	0.0196	0.0247		0.157	0.125	25.9	30.0
1,1-Dichloroethene	Ave	0.2409	0.2621	0.1000	0.0272	0.0250	8.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1797	0.2027	0.0500	0.0282	0.0250	12.8	30.0
Acetone	Lin1		0.1294	0.0100	0.0518	0.0500	3.6	50.0
Iodomethane	Ave	0.4223	0.4519		0.0268	0.0250	7.0	30.0
Carbon disulfide	Ave	0.6366	0.7207	0.1000	0.0283	0.0250	13.2	30.0
3-Chloro-1-propene	Ave	0.1534	0.1633		0.0266	0.0250	6.4	30.0
Methyl acetate	Ave	0.3098	0.2818	0.0500	0.0455	0.0500	-9.0	50.0
Methylene Chloride	Ave	0.2859	0.2767	0.1000	0.0242	0.0250	-3.2	50.0
2-Methyl-2-propanol	Ave	0.0364	0.0370		0.255	0.250	1.8	30.0
Acrylonitrile	Ave	0.1439	0.1506		0.262	0.250	4.7	30.0
Methyl tert-butyl ether	Ave	0.5580	0.6008	0.1000	0.0269	0.0250	7.7	30.0
trans-1,2-Dichloroethene	Ave	0.3284	0.3268	0.1000	0.0249	0.0250	-0.5	30.0
Hexane	Ave	0.0712	0.0777		0.0273	0.0250	9.0	30.0
1,1-Dichloroethane	Ave	0.5416	0.5507	0.2000	0.0254	0.0250	1.7	30.0
Vinyl acetate	Ave	0.4589	0.4759		0.0259	0.0250	3.7	30.0
2-Butanone (MEK)	Ave	0.0538	0.0538	0.0100	0.0500	0.0500	0.0	50.0
cis-1,2-Dichloroethene	Ave	0.3589	0.3616	0.1000	0.0252	0.0250	0.8	30.0
2,2-Dichloropropane	Ave	0.0646	0.0615		0.0238	0.0250	-4.7	30.0
Chlorobromomethane	Ave	0.1919	0.1897		0.0247	0.0250	-1.1	30.0
Tetrahydrofuran	Ave	0.1231	0.1168		0.0474	0.0500	-5.2	30.0
Chloroform	Ave	0.5833	0.5704	0.2000	0.0244	0.0250	-2.2	30.0
1,1,1-Trichloroethane	Ave	0.3986	0.4040	0.1000	0.0253	0.0250	1.3	30.0
Cyclohexane	Ave	0.3854	0.4036	0.1000	0.0262	0.0250	4.7	30.0
1,1-Dichloropropene	Ave	0.4150	0.4153		0.0250	0.0250	0.0	30.0
Carbon tetrachloride	Ave	0.4023	0.4077	0.1000	0.0253	0.0250	1.3	30.0
Isobutyl alcohol	Ave	0.0179	0.0192		0.670	0.625	7.2	30.0
Benzene	Ave	1.264	1.286	0.5000	0.0255	0.0250	1.8	30.0
1,2-Dichloroethane	Ave	0.4624	0.4640	0.1000	0.0251	0.0250	0.4	30.0
n-Heptane	Ave	0.0866	0.0914		0.0264	0.0250	5.5	30.0
Trichloroethene	Ave	0.3881	0.3924	0.1500	0.0253	0.0250	1.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-664444/14 Calibration Date: 07/18/2025 19:19

Instrument ID: A3UX27 Calib Start Date: 07/18/2025 15:22

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/18/2025 18:31

Lab File ID: 250718-212.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4485	0.4613	0.1000	0.0257	0.0250	2.9	30.0
1,2-Dichloropropane	Ave	0.3153	0.3233	0.1000	0.0256	0.0250	2.6	30.0
1,4-Dioxane	Ave	0.0046	0.0049		0.542	0.500	8.3	50.0
Dibromomethane	Ave	0.2233	0.2248		0.0252	0.0250	0.7	30.0
Dichlorobromomethane	Ave	0.4141	0.4294	0.1500	0.0259	0.0250	3.7	30.0
2-Chloroethyl vinyl ether	Ave	0.2201	0.2239		0.0254	0.0250	1.7	30.0
cis-1,3-Dichloropropene	Ave	0.4878	0.4718	0.1500	0.0242	0.0250	-3.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3320	0.3503	0.0500	0.0528	0.0500	5.5	50.0
Toluene	Ave	1.813	1.775	0.4000	0.0245	0.0250	-2.1	30.0
trans-1,3-Dichloropropene	Ave	0.5939	0.6322	0.1000	0.0266	0.0250	6.4	30.0
Ethyl methacrylate	Ave	0.5660	0.5624		0.0248	0.0250	-0.6	30.0
1,1,2-Trichloroethane	Ave	0.4229	0.4173	0.1000	0.0247	0.0250	-1.3	30.0
Tetrachloroethene	Ave	0.4170	0.4103	0.1500	0.0246	0.0250	-1.6	30.0
1,3-Dichloropropane	Ave	0.7113	0.7193		0.0253	0.0250	1.1	30.0
2-Hexanone	Ave	0.3044	0.3296	0.0500	0.0541	0.0500	8.3	50.0
Chlorodibromomethane	Ave	0.4708	0.4780		0.0254	0.0250	1.5	30.0
Ethylene Dibromide	Ave	0.4403	0.4449		0.0253	0.0250	1.1	30.0
Chlorobenzene	Ave	1.244	1.227	0.3000	0.0247	0.0250	-1.4	30.0
1,1,1,2-Tetrachloroethane	Ave	0.4445	0.4493		0.0253	0.0250	1.1	30.0
Ethylbenzene	Ave	0.6319	0.6213		0.0246	0.0250	-1.7	30.0
m-Xylene & p-Xylene	Ave	0.7683	0.7636		0.0248	0.0250	-0.6	30.0
o-Xylene	Ave	0.7375	0.7449		0.0253	0.0250	1.0	30.0
Styrene	Ave	1.207	1.220	0.3000	0.0253	0.0250	1.0	30.0
Bromoform	Ave	0.3666	0.3745	0.1000	0.0255	0.0250	2.2	30.0
Isopropylbenzene	Ave	1.644	1.824	0.1000	0.0277	0.0250	11.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9788	0.9508	0.3000	0.0243	0.0250	-2.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3030	0.2963		0.0244	0.0250	-2.2	30.0
Bromobenzene	Ave	1.020	1.000		0.0245	0.0250	-2.0	30.0
1,2,3-Trichloropropane	Ave	0.3577	0.3564		0.0249	0.0250	-0.4	30.0
N-Propylbenzene	Ave	0.9460	0.9522		0.0252	0.0250	0.7	30.0
2-Chlorotoluene	Ave	0.8516	0.8626		0.0253	0.0250	1.3	30.0
1,3,5-Trimethylbenzene	Ave	2.571	2.631		0.0256	0.0250	2.3	30.0
4-Chlorotoluene	Ave	0.9079	0.8799		0.0242	0.0250	-3.1	30.0
tert-Butylbenzene	Ave	2.431	2.375		0.0244	0.0250	-2.3	30.0
1,2,4-Trimethylbenzene	Ave	2.661	2.713		0.0255	0.0250	2.0	30.0
sec-Butylbenzene	Ave	3.245	3.261		0.0251	0.0250	0.5	30.0
4-Isopropyltoluene	Ave	2.832	2.857		0.0252	0.0250	0.9	30.0
1,3-Dichlorobenzene	Ave	1.843	1.800	0.6000	0.0244	0.0250	-2.3	30.0
1,4-Dichlorobenzene	Ave	1.873	1.830	0.5000	0.0244	0.0250	-2.3	30.0
n-Butylbenzene	Ave	2.467	2.507		0.0254	0.0250	1.6	30.0
1,2-Dichlorobenzene	Ave	1.743	1.734	0.4000	0.0249	0.0250	-0.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-664444/14 Calibration Date: 07/18/2025 19:19

Instrument ID: A3UX27 Calib Start Date: 07/18/2025 15:22

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/18/2025 18:31

Lab File ID: 250718-212.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2425	0.2482	0.0500	0.0256	0.0250	2.3	50.0
1,2,4-Trichlorobenzene	Ave	1.198	1.226	0.2000	0.0256	0.0250	2.3	50.0
Hexachlorobutadiene	Ave	0.6650	0.6569		0.0247	0.0250	-1.2	50.0
Naphthalene	Ave	2.684	2.915		0.0272	0.0250	8.6	50.0
1,2,3-Trichlorobenzene	Ave	1.153	1.143		0.0248	0.0250	-0.9	30.0
Dibromofluoromethane (Surr)	Ave	0.2816	0.2825		0.0251	0.0250	0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3224	0.3207		0.0249	0.0250	-0.5	30.0
Toluene-d8 (Surr)	Ave	1.370	1.355		0.0247	0.0250	-1.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4746	0.4613		0.0243	0.0250	-2.8	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-212.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 18-Jul-2025 19:19:21 ALS Bottle#: 12 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 240-0157129-014
Operator ID: Instrument ID: A3UX27
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2025 14:10:51 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1722

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.707	-0.011	99	1162413	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.661	10.660	0.001	84	885976	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.345	12.344	0.001	92	506923	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.031	0.001	96	328363	25.0	25.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.375	0.001	97	372744	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	1200426	25.0	24.7	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	88	408726	25.0	24.3	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	100	261308	25.0	19.9	
12 Chloromethane	50	2.407	2.407	0.000	99	292698	25.0	21.9	
14 Vinyl chloride	62	2.585	2.585	0.001	97	323795	25.0	24.8	
13 Butadiene	54	2.644	2.644	0.000	98	300191	25.0	25.9	
15 Bromomethane	94	3.083	3.083	0.000	91	239396	25.0	22.7	
16 Chloroethane	64	3.273	3.272	0.001	100	215965	25.0	23.5	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	237454	25.0	24.4	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	98	264678	25.0	23.9	
19 Ethyl ether	59	4.103	4.102	0.001	90	305587	25.0	26.9	
20 Acrolein	56	4.293	4.292	0.001	100	143618	125.0	157.4	
21 1,1-Dichloroethene	96	4.423	4.423	0.000	98	304718	25.0	27.2	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.447	4.446	0.001	90	235603	25.0	28.2	
24 Acetone	43	4.482	4.482	0.000	100	300811	50.0	51.8	
25 Iodomethane	142	4.613	4.612	0.001	99	525287	25.0	26.8	
26 Carbon disulfide	76	4.696	4.695	0.001	99	837743	25.0	28.3	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	83	189798	25.0	26.6	
29 Methyl acetate	43	4.909	4.909	0.000	95	655149	50.0	45.5	
30 Methylene Chloride	84	5.075	5.075	0.000	91	321625	25.0	24.2	
31 2-Methyl-2-propanol	59	5.218	5.217	0.001	97	430387	250.0	254.6	
32 Acrylonitrile	53	5.360	5.359	0.001	98	1751109	250.0	261.7	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	95	698370	25.0	26.9	
33 trans-1,2-Dichloroethene	96	5.407	5.407	0.000	88	379920	25.0	24.9	
35 Hexane	86	5.727	5.727	0.000	91	90265	25.0	27.3	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	96	640122	25.0	25.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	553232	25.0	25.9	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	99	125169	50.0	50.0	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	80	420354	25.0	25.2	
42 2,2-Dichloropropane	97	6.534	6.533	0.001	88	71505	25.0	23.8	
46 Chlorobromomethane	128	6.771	6.771	0.000	90	220494	25.0	24.7	
49 Tetrahydrofuran	42	6.783	6.782	0.001	85	271453	50.0	47.4	
48 Chloroform	83	6.866	6.865	0.001	93	663020	25.0	24.4	
50 1,1,1-Trichloroethane	97	7.044	7.043	0.001	98	469599	25.0	25.3	
51 Cyclohexane	56	7.115	7.115	0.001	88	469122	25.0	26.2	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	482763	25.0	25.0	
52 Carbon tetrachloride	117	7.198	7.198	0.000	91	473917	25.0	25.3	
54 Isobutyl alcohol	41	7.281	7.281	0.000	93	425767	625.0	670.3	
55 Benzene	78	7.399	7.399	0.000	96	1495307	25.0	25.5	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	98	539369	25.0	25.1	
58 n-Heptane	100	7.684	7.684	0.000	93	106221	25.0	26.4	
60 Trichloroethene	130	8.087	8.087	0.000	96	456135	25.0	25.3	
62 Methylcyclohexane	83	8.372	8.372	0.000	90	536245	25.0	25.7	
63 1,2-Dichloropropane	63	8.396	8.395	0.001	95	375822	25.0	25.6	
66 1,4-Dioxane	88	8.467	8.466	0.001	90	114683	500.0	541.7	
64 Dibromomethane	93	8.490	8.490	0.000	89	261331	25.0	25.2	
67 Dichlorobromomethane	83	8.668	8.668	0.000	99	499151	25.0	25.9	
69 2-Chloroethyl vinyl ether	63	8.953	8.953	0.000	93	260281	25.0	25.4	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	96	548422	25.0	24.2	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	814393	50.0	52.8	
72 Toluene	91	9.451	9.451	0.000	98	1572574	25.0	24.5	
73 trans-1,3-Dichloropropene	75	9.653	9.652	0.001	96	560110	25.0	26.6	
74 Ethyl methacrylate	69	9.676	9.676	0.000	88	498263	25.0	24.8	
75 1,1,2-Trichloroethane	97	9.831	9.830	0.000	91	369727	25.0	24.7	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	363500	25.0	24.6	
77 1,3-Dichloropropane	76	9.985	9.984	0.001	89	637291	25.0	25.3	
78 2-Hexanone	43	10.008	10.008	0.000	94	583963	50.0	54.1	
80 Chlorodibromomethane	129	10.174	10.174	0.000	90	423500	25.0	25.4	
82 Ethylene Dibromide	107	10.281	10.281	0.000	99	394211	25.0	25.3	
84 Chlorobenzene	112	10.684	10.684	0.000	99	1087034	25.0	24.7	
86 Ethylbenzene	106	10.744	10.743	0.001	98	550493	25.0	24.6	
85 1,1,1,2-Tetrachloroethane	131	10.744	10.743	0.001	46	398113	25.0	25.3	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	676518	25.0	24.8	
89 o-Xylene	106	11.147	11.146	0.001	96	659993	25.0	25.3	
88 Styrene	104	11.159	11.158	0.001	94	1080733	25.0	25.3	
90 Bromoform	173	11.313	11.312	0.001	99	331782	25.0	25.5	
91 Isopropylbenzene	105	11.408	11.407	0.001	96	1616158	25.0	27.7	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	95	481989	25.0	24.3	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.001	70	150191	25.0	24.4	
95 Bromobenzene	156	11.657	11.656	0.001	94	506938	25.0	24.5	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	79	180691	25.0	24.9	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	482717	25.0	25.2	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	437273	25.0	25.3	
100 1,3,5-Trimethylbenzene	105	11.823	11.822	0.001	95	1333811	25.0	25.6	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	446040	25.0	24.2	
103 tert-Butylbenzene	119	12.048	12.048	0.000	90	1203805	25.0	24.4	
104 1,2,4-Trimethylbenzene	105	12.084	12.083	0.001	97	1375228	25.0	25.5	
105 sec-Butylbenzene	105	12.190	12.202	-0.012	94	1652998	25.0	25.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	1448212	25.0	25.2	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	93	912690	25.0	24.4	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	95	927761	25.0	24.4	
111 n-Butylbenzene	91	12.546	12.558	-0.012	97	1270860	25.0	25.4	
112 1,2-Dichlorobenzene	146	12.594	12.593	0.001	99	878997	25.0	24.9	
114 1,2-Dibromo-3-Chloropropane	157	13.080	13.079	0.001	92	125799	25.0	25.6	
116 1,2,4-Trichlorobenzene	180	13.590	13.589	0.001	94	621247	25.0	25.6	
117 Hexachlorobutadiene	225	13.673	13.672	0.001	94	332990	25.0	24.7	
118 Naphthalene	128	13.779	13.779	0.000	97	1477788	25.0	27.2	
119 1,2,3-Trichlorobenzene	180	13.934	13.933	0.001	95	579192	25.0	24.8	
S 128 Trihalomethanes, Total	1				0		100.0	101.3	
S 129 Total BTEX	1				0		125.0	124.6	
S 132 Xylenes, Total	106				0		50.0	50.1	

Reagents:

VMFASAW_00571	Amount Added:	20.00	Units: uL	
VMFASPW_00606	Amount Added:	20.00	Units: uL	
VMFASGW_00632	Amount Added:	20.00	Units: uL	
vmUX27IS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00001	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Jul-2025 14:11:24 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-212.D

Injection Date: 18-Jul-2025 19:19:21 Instrument ID: A3UX27 Operator ID:

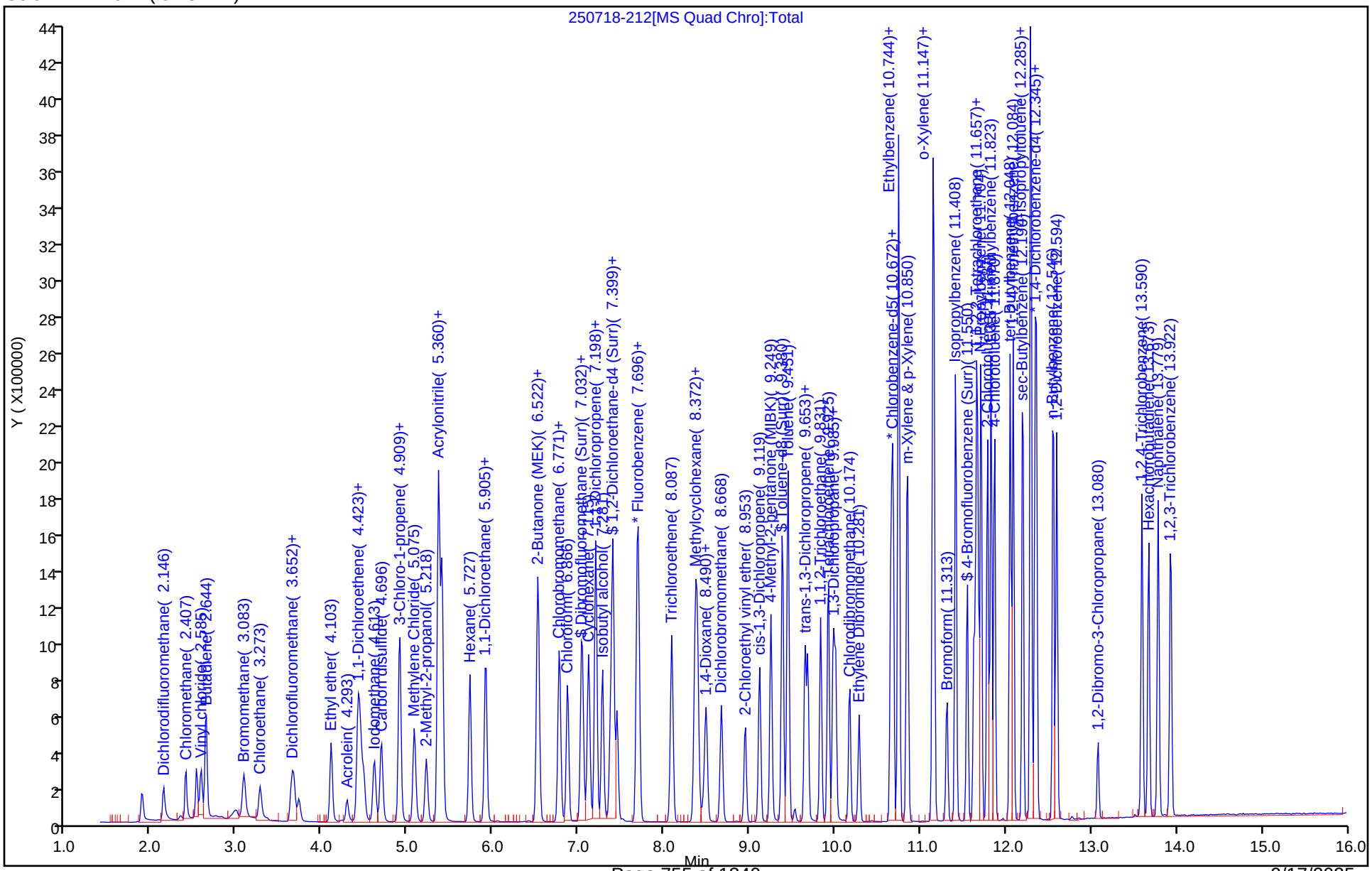
Lims ID: ICV Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 12

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCVIS 240-666364/3 Calibration Date: 08/05/2025 08:32

Instrument ID: A3UX27 Calib Start Date: 07/18/2025 15:22

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/18/2025 18:31

Lab File ID: 250805-001.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2824	0.2790	0.1000	0.0247	0.0250	-1.2	20.0
Chloromethane	Ave	0.2880	0.2635	0.1000	0.0229	0.0250	-8.5	20.0
Vinyl chloride	Ave	0.2808	0.2645	0.1000	0.0236	0.0250	-5.8	20.0
Butadiene	Ave	0.2490	0.2549		0.0256	0.0250	2.3	20.0
Bromomethane	Qua		0.2065	0.0500	0.0228	0.0250	-8.8	20.0
Chloroethane	Ave	0.1977	0.1825	0.0500	0.0231	0.0250	-7.7	20.0
Dichlorofluoromethane	Qua		0.1701		0.0208	0.0250	-16.9	20.0
Trichlorofluoromethane	Ave	0.2386	0.2324	0.1000	0.0244	0.0250	-2.6	20.0
Ethyl ether	Ave	0.2441	0.2368		0.0243	0.0250	-3.0	20.0
Acrolein	Ave	0.0196	0.0235		0.150	0.125	19.9	20.0
1,1-Dichloroethene	Ave	0.2409	0.2466	0.1000	0.0256	0.0250	2.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1797	0.2023	0.0500	0.0281	0.0250	12.6	20.0
Acetone	Lin1		0.1221	0.0100	0.0487	0.0500	-2.6	50.0
Iodomethane	Ave	0.4223	0.4485		0.0266	0.0250	6.2	20.0
Carbon disulfide	Ave	0.6366	0.6811	0.1000	0.0267	0.0250	7.0	20.0
Methyl acetate	Ave	0.3098	0.2673	0.0500	0.0431	0.0500	-13.7	50.0
3-Chloro-1-propene	Ave	0.1534	0.1661		0.0271	0.0250	8.2	20.0
Methylene Chloride	Ave	0.2859	0.2997	0.1000	0.0262	0.0250	4.8	50.0
2-Methyl-2-propanol	Ave	0.0364	0.0280		0.192	0.250	-23.0*	20.0
Acrylonitrile	Ave	0.1439	0.1343		0.233	0.250	-6.7	20.0
Methyl tert-butyl ether	Ave	0.5580	0.5868	0.1000	0.0263	0.0250	5.2	20.0
trans-1,2-Dichloroethene	Ave	0.3284	0.3180	0.1000	0.0242	0.0250	-3.2	20.0
Hexane	Ave	0.0712	0.0743		0.0261	0.0250	4.4	20.0
1,1-Dichloroethane	Ave	0.5416	0.5532	0.2000	0.0255	0.0250	2.1	20.0
Vinyl acetate	Ave	0.4589	0.4893		0.0267	0.0250	6.6	20.0
2-Butanone (MEK)	Ave	0.0538	0.0451	0.0100	0.0419	0.0500	-16.2	50.0
2,2-Dichloropropane	Ave	0.0646	0.0686		0.0266	0.0250	6.2	20.0
cis-1,2-Dichloroethene	Ave	0.3589	0.3611	0.1000	0.0252	0.0250	0.6	20.0
Chlorobromomethane	Ave	0.1919	0.1965		0.0256	0.0250	2.4	20.0
Tetrahydrofuran	Ave	0.1231	0.0986		0.0401	0.0500	-19.9	20.0
Chloroform	Ave	0.5833	0.5829	0.2000	0.0250	0.0250	-0.0	20.0
1,1,1-Trichloroethane	Ave	0.3986	0.4114	0.1000	0.0258	0.0250	3.2	20.0
Cyclohexane	Ave	0.3854	0.4019	0.1000	0.0261	0.0250	4.3	20.0
1,1-Dichloropropene	Ave	0.4150	0.4168		0.0251	0.0250	0.4	20.0
Carbon tetrachloride	Ave	0.4023	0.4114	0.1000	0.0256	0.0250	2.3	20.0
Isobutyl alcohol	Ave	0.0179	0.0142		0.495	0.625	-20.9*	20.0
Benzene	Ave	1.264	1.277	0.5000	0.0253	0.0250	1.0	20.0
1,2-Dichloroethane	Ave	0.4624	0.4504	0.1000	0.0244	0.0250	-2.6	20.0
n-Heptane	Ave	0.0866	0.0945		0.0273	0.0250	9.1	20.0
Trichloroethene	Ave	0.3881	0.3772	0.1500	0.0243	0.0250	-2.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCVIS 240-666364/3 Calibration Date: 08/05/2025 08:32

Instrument ID: A3UX27 Calib Start Date: 07/18/2025 15:22

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/18/2025 18:31

Lab File ID: 250805-001.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4485	0.4627	0.1000	0.0258	0.0250	3.2	20.0
1,2-Dichloropropane	Ave	0.3153	0.3210	0.1000	0.0255	0.0250	1.8	20.0
1,4-Dioxane	Ave	0.0046	0.0038		0.420	0.500	-16.0	50.0
Dibromomethane	Ave	0.2233	0.2211		0.0247	0.0250	-1.0	20.0
Dichlorobromomethane	Ave	0.4141	0.4250	0.1500	0.0257	0.0250	2.6	20.0
2-Chloroethyl vinyl ether	Ave	0.2201	0.2114		0.0480	0.0500	-4.0	20.0
cis-1,3-Dichloropropene	Ave	0.4878	0.5245	0.1500	0.0269	0.0250	7.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3320	0.2920	0.0500	0.0440	0.0500	-12.1	50.0
Toluene	Ave	1.813	1.888	0.4000	0.0260	0.0250	4.1	20.0
trans-1,3-Dichloropropene	Ave	0.5939	0.6382	0.1000	0.0269	0.0250	7.5	20.0
Ethyl methacrylate	Ave	0.5660	0.5508		0.0243	0.0250	-2.7	20.0
1,1,2-Trichloroethane	Ave	0.4229	0.4225	0.1000	0.0250	0.0250	-0.1	20.0
Tetrachloroethene	Ave	0.4170	0.4446	0.1500	0.0267	0.0250	6.6	20.0
1,3-Dichloropropane	Ave	0.7113	0.7340		0.0258	0.0250	3.2	20.0
2-Hexanone	Ave	0.3044	0.2744	0.0500	0.0451	0.0500	-9.9	50.0
Chlorodibromomethane	Ave	0.4708	0.4940		0.0262	0.0250	4.9	20.0
Ethylene Dibromide	Ave	0.4403	0.4422		0.0251	0.0250	0.4	20.0
Chlorobenzene	Ave	1.244	1.284	0.3000	0.0258	0.0250	3.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4445	0.4678		0.0263	0.0250	5.2	20.0
Ethylbenzene	Ave	0.6319	0.6564		0.0260	0.0250	3.9	20.0
m-Xylene & p-Xylene	Ave	0.7683	0.8177		0.0266	0.0250	6.4	20.0
o-Xylene	Ave	0.7375	0.7884		0.0267	0.0250	6.9	20.0
Styrene	Ave	1.207	1.314	0.3000	0.0272	0.0250	8.8	20.0
Bromoform	Ave	0.3666	0.3681	0.1000	0.0251	0.0250	0.4	20.0
Isopropylbenzene	Ave	1.644	1.727	0.1000	0.0263	0.0250	5.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9788	0.9437	0.3000	0.0241	0.0250	-3.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3030	0.2735		0.0226	0.0250	-9.7	20.0
Bromobenzene	Ave	1.020	1.070		0.0262	0.0250	4.8	20.0
1,2,3-Trichloropropane	Ave	0.3577	0.3416		0.0239	0.0250	-4.5	20.0
N-Propylbenzene	Ave	0.9460	0.997		0.0263	0.0250	5.4	20.0
2-Chlorotoluene	Ave	0.8516	0.9068		0.0266	0.0250	6.5	20.0
1,3,5-Trimethylbenzene	Ave	2.571	2.790		0.0271	0.0250	8.5	20.0
4-Chlorotoluene	Ave	0.9079	0.9551		0.0263	0.0250	5.2	20.0
tert-Butylbenzene	Ave	2.431	2.528		0.0260	0.0250	4.0	20.0
1,2,4-Trimethylbenzene	Ave	2.661	2.945		0.0277	0.0250	10.7	20.0
sec-Butylbenzene	Ave	3.245	3.487		0.0269	0.0250	7.5	20.0
4-Isopropyltoluene	Ave	2.832	3.100		0.0274	0.0250	9.5	20.0
1,3-Dichlorobenzene	Ave	1.843	1.952	0.6000	0.0265	0.0250	5.9	20.0
1,4-Dichlorobenzene	Ave	1.873	1.975	0.5000	0.0264	0.0250	5.4	20.0
n-Butylbenzene	Ave	2.467	2.659		0.0269	0.0250	7.8	20.0
1,2-Dichlorobenzene	Ave	1.743	1.862	0.4000	0.0267	0.0250	6.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCVIS 240-666364/3 Calibration Date: 08/05/2025 08:32

Instrument ID: A3UX27 Calib Start Date: 07/18/2025 15:22

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/18/2025 18:31

Lab File ID: 250805-001.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.2425	0.2162	0.0500	0.0223	0.0250	-10.8	50.0
1,2,4-Trichlorobenzene	Ave	1.198	1.246	0.2000	0.0260	0.0250	4.1	50.0
Hexachlorobutadiene	Ave	0.6650	0.7147		0.0269	0.0250	7.5	50.0
Naphthalene	Ave	2.684	2.544		0.0237	0.0250	-5.2	50.0
1,2,3-Trichlorobenzene	Ave	1.153	1.194		0.0259	0.0250	3.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2816	0.2694		0.0239	0.0250	-4.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3224	0.3052		0.0237	0.0250	-5.3	20.0
Toluene-d8 (Surr)	Ave	1.370	1.349		0.0246	0.0250	-1.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4746	0.4694		0.0247	0.0250	-1.1	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-001.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 05-Aug-2025 08:32:50 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 240-0157638-003
Operator ID: Instrument ID: A3UX27
Sublist: chrom-8260_27*sub14

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:01:58 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1660

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.696	0.000	99	1134783	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.649	10.649	0.000	85	841568	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	92	478157	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	95	305657	25.0	23.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.364	7.364	0.000	97	346326	25.0	23.7	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	1135525	25.0	24.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	86	395065	25.0	24.7	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	99	316637	25.0	24.7	
12 Chloromethane	50	2.395	2.395	0.000	99	298984	25.0	22.9	
14 Vinyl chloride	62	2.573	2.573	0.000	98	300188	25.0	23.6	
13 Butadiene	54	2.644	2.644	0.000	98	289222	25.0	25.6	
15 Bromomethane	94	3.071	3.071	0.000	90	234323	25.0	22.8	
16 Chloroethane	64	3.272	3.272	0.000	99	207118	25.0	23.1	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	192976	25.0	20.8	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	98	263712	25.0	24.4	
19 Ethyl ether	59	4.103	4.103	0.000	90	268734	25.0	24.3	
20 Acrolein	56	4.292	4.292	0.000	99	133466	125.0	149.9	
21 1,1-Dichloroethene	96	4.411	4.411	0.000	98	279810	25.0	25.6	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.446	4.446	0.000	90	229603	25.0	28.1	
24 Acetone	43	4.482	4.482	0.000	100	277161	50.0	48.7	
25 Iodomethane	142	4.601	4.601	0.000	98	509004	25.0	26.6	
26 Carbon disulfide	76	4.684	4.684	0.000	99	772899	25.0	26.7	
29 Methyl acetate	43	4.897	4.897	0.000	96	606638	50.0	43.1	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	85	188435	25.0	27.1	
30 Methylene Chloride	84	5.075	5.075	0.000	91	340130	25.0	26.2	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	97	317637	250.0	192.5	
32 Acrylonitrile	53	5.360	5.360	0.000	99	1523814	250.0	233.3	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	95	665917	25.0	26.3	
33 trans-1,2-Dichloroethene	96	5.395	5.395	0.000	89	360817	25.0	24.2	
35 Hexane	86	5.727	5.727	0.000	93	84345	25.0	26.1	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	96	627715	25.0	25.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	555255	25.0	26.7	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	100	102370	50.0	41.9	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	80	409818	25.0	25.2	
42 2,2-Dichloropropane	97	6.522	6.522	0.000	86	77837	25.0	26.6	
46 Chlorobromomethane	128	6.771	6.771	0.000	89	222960	25.0	25.6	
49 Tetrahydrofuran	42	6.783	6.783	0.000	85	223841	50.0	40.1	
48 Chloroform	83	6.866	6.866	0.000	93	661415	25.0	25.0	
50 1,1,1-Trichloroethane	97	7.043	7.043	0.000	98	466861	25.0	25.8	
51 Cyclohexane	56	7.115	7.115	0.000	89	456113	25.0	26.1	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	95	473007	25.0	25.1	
52 Carbon tetrachloride	117	7.198	7.198	0.000	91	466897	25.0	25.6	
54 Isobutyl alcohol	41	7.269	7.269	0.000	93	298467	625.0	494.7	
55 Benzene	78	7.399	7.399	0.000	97	1448702	25.0	25.3	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	97	511150	25.0	24.4	
58 n-Heptane	100	7.684	7.684	0.000	89	107202	25.0	27.3	
60 Trichloroethene	130	8.087	8.087	0.000	95	428004	25.0	24.3	
62 Methylcyclohexane	83	8.360	8.360	0.000	91	525075	25.0	25.8	
63 1,2-Dichloropropane	63	8.384	8.384	0.000	95	364212	25.0	25.5	
66 1,4-Dioxane	88	8.455	8.455	0.000	91	86831	500.0	420.2	
64 Dibromomethane	93	8.490	8.490	0.000	89	250845	25.0	24.7	
67 Dichlorobromomethane	83	8.668	8.668	0.000	99	482315	25.0	25.7	
69 2-Chloroethyl vinyl ether	63	8.941	8.941	0.000	92	479757	50.0	48.0	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	96	595164	25.0	26.9	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	662723	50.0	44.0	
72 Toluene	91	9.451	9.451	0.000	99	1588549	25.0	26.0	
73 trans-1,3-Dichloropropene	75	9.652	9.652	0.000	93	537095	25.0	26.9	
74 Ethyl methacrylate	69	9.676	9.676	0.000	89	463516	25.0	24.3	
75 1,1,2-Trichloroethane	97	9.830	9.830	0.000	91	355591	25.0	25.0	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	374201	25.0	26.7	
77 1,3-Dichloropropane	76	9.973	9.973	0.000	89	617696	25.0	25.8	
78 2-Hexanone	43	10.008	10.008	0.000	95	461922	50.0	45.1	
80 Chlorodibromomethane	129	10.174	10.174	0.000	90	415700	25.0	26.2	
82 Ethylene Dibromide	107	10.281	10.281	0.000	99	372145	25.0	25.1	
84 Chlorobenzene	112	10.672	10.672	0.000	96	1080294	25.0	25.8	
86 Ethylbenzene	106	10.743	10.743	0.000	98	552431	25.0	26.0	
85 1,1,1,2-Tetrachloroethane	131	10.743	10.743	0.000	46	393699	25.0	26.3	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	688187	25.0	26.6	
89 o-Xylene	106	11.147	11.147	0.000	94	663510	25.0	26.7	
88 Styrene	104	11.158	11.158	0.000	94	1105896	25.0	27.2	
90 Bromoform	173	11.313	11.313	0.000	99	309750	25.0	25.1	
91 Isopropylbenzene	105	11.407	11.407	0.000	96	1453508	25.0	26.3	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	96	451260	25.0	24.1	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.000	74	130777	25.0	22.6	
95 Bromobenzene	156	11.657	11.657	0.000	92	511391	25.0	26.2	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	83	163343	25.0	23.9	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	476604	25.0	26.3	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	433582	25.0	26.6	
100 1,3,5-Trimethylbenzene	105	11.823	11.823	0.000	96	1334062	25.0	27.1	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	456704	25.0	26.3	
103 tert-Butylbenzene	119	12.048	12.048	0.000	90	1208831	25.0	26.0	
104 1,2,4-Trimethylbenzene	105	12.083	12.083	0.000	97	1408321	25.0	27.7	
105 sec-Butylbenzene	105	12.190	12.190	0.000	94	1667433	25.0	26.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	1482385	25.0	27.4	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	76	933208	25.0	26.5	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	96	944128	25.0	26.4	
111 n-Butylbenzene	91	12.546	12.546	0.000	97	1271237	25.0	26.9	
112 1,2-Dichlorobenzene	146	12.593	12.593	0.000	99	890411	25.0	26.7	
114 1,2-Dibromo-3-Chloropropane	157	13.080	13.080	0.000	93	103375	25.0	22.3	
116 1,2,4-Trichlorobenzene	180	13.589	13.589	0.000	93	595863	25.0	26.0	
117 Hexachlorobutadiene	225	13.672	13.672	0.000	94	341745	25.0	26.9	
118 Naphthalene	128	13.779	13.779	0.000	96	1216219	25.0	23.7	
119 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	96	570778	25.0	25.9	
S 128 Trihalomethanes, Total	1				0		100.0	102.0	
S 129 Total BTEX	1				0		125.0	130.6	
S 132 Xylenes, Total	106				0		50.0	53.3	

Reagents:

VMAROLISTDW_00606	Amount Added:	20.00	Units: uL	
VMRGAS_00590	Amount Added:	20.00	Units: uL	
VMRPRIMW_00649	Amount Added:	20.00	Units: uL	
vmUX27IS_00002	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00002	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

Report Date: 06-Aug-2025 08:01:58 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-001.D

Injection Date: 05-Aug-2025 08:32:50 Instrument ID: A3UX27 Operator ID:

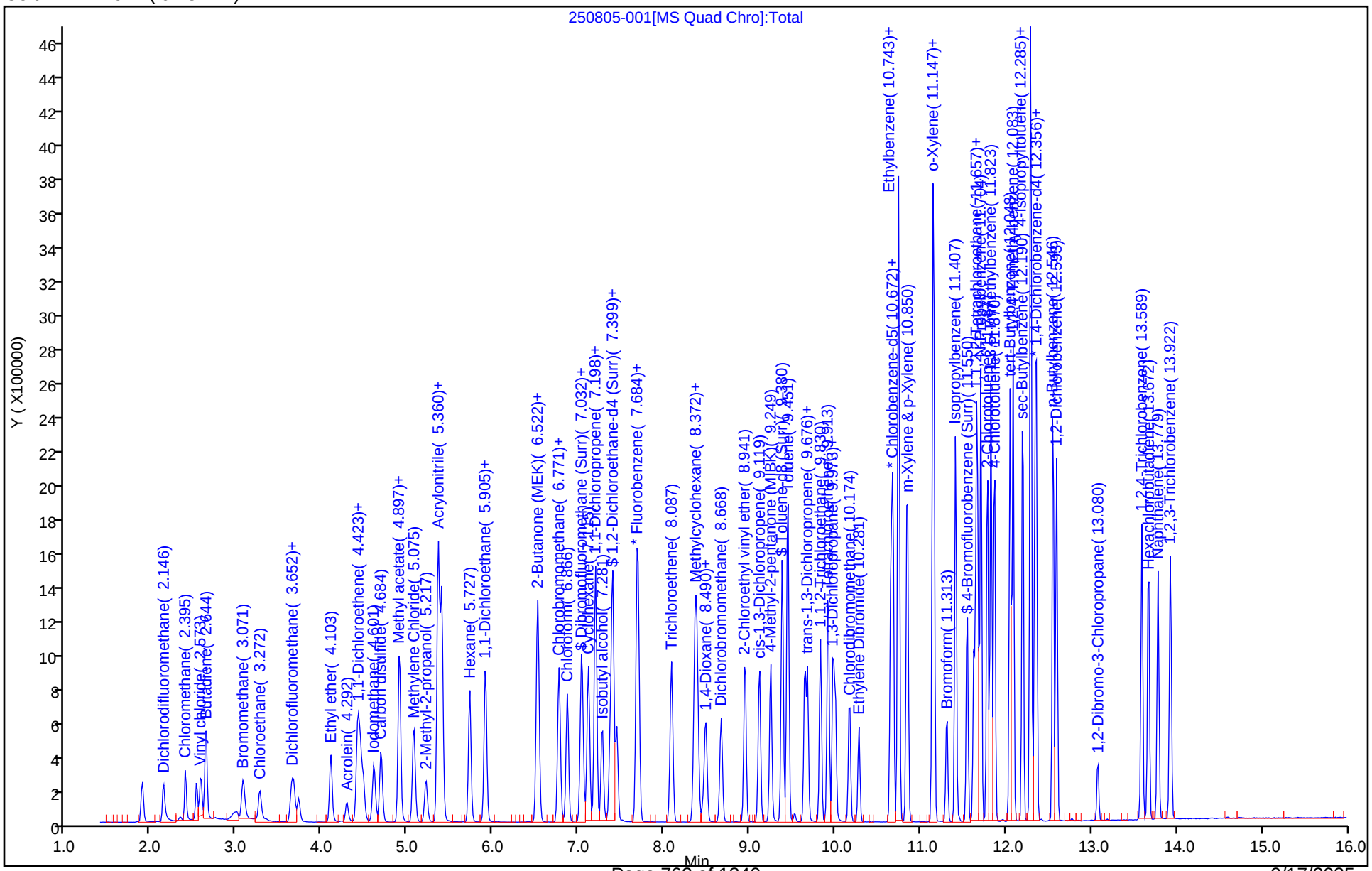
Lims ID: CCVIS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 1

Method: 8260_27 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\BFB072125-01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 21-Jul-2025 11:27:41 ALS Bottle#: 7 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 240-0157172-001
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2025 09:30:49 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1677

First Level Reviewer: SE1B Date: 21-Jul-2025 11:35:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96		7.232				25.0	ND	
* 2 Chlorobenzene-d5	117		10.387				25.0	ND	
* 3 1,4-Dichlorobenzene-d4	152		12.367				25.0	ND	
$ 4 Dibromofluoromethane (Surr)	111		6.462				ND	ND	
$ 5 1,2-Dichloroethane-d4 (Surr)	65		6.900				ND	ND	
$ 6 Toluene-d8 (Surr)	98		8.976				ND	ND	
$ 7 4-Bromofluorobenzene (Surr)	95		11.418				ND	ND	
$ 8 BFB	95	3.936	3.936	0.000	0	79354	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
ND - Not Detected or Marked ND

Reagents:

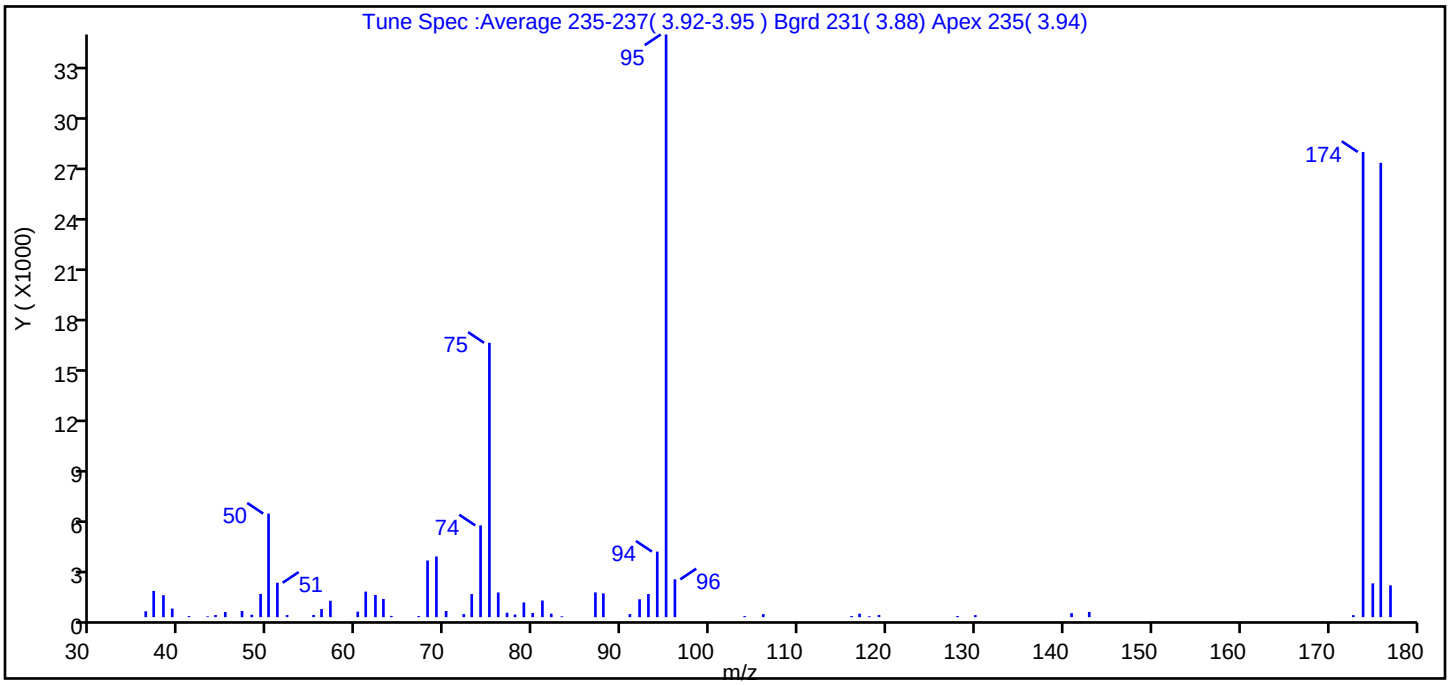
vmbfb_00037	Amount Added:	1.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

MS Tune Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\BFB072125-01.D
Injection Date: 21-Jul-2025 11:27:41 Instrument ID: A3UX22
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_22 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.8
75	30 to 60% of m/z 95	47.1
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	79.8
175	5 to 9% of m/z 174	5.8 (7.3)
176	Greater than 95% but less than 101% of m/z 174	78.0 (97.7)
177	5 to 9% of m/z 176	5.5 (7.0)

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\BFB072125-01.D\8260_22.rslt\spectra.d
Injection Date: 21-Jul-2025 11:27:41
Spectrum: Tune Spec :Average 235-237(3.92-3.95) Bgrd 231(3.88) Apex 235(3.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	344	57.00	963	78.00	152	116.00	65
37.00	1548	60.00	324	79.00	865	117.00	205
38.00	1295	61.00	1504	80.00	242	118.00	51
39.00	504	62.00	1307	81.00	978	119.00	129
41.00	62	63.00	1069	82.00	204	128.00	68
43.00	47	64.00	74	83.00	51	130.00	119
44.00	125	67.00	62	87.00	1457	141.00	234
45.00	302	68.00	3336	88.00	1400	143.00	309
47.00	360	69.00	3573	91.00	179	173.00	118
48.00	140	70.00	363	92.00	1054	174.00	27400
49.00	1369	72.00	177	93.00	1364	175.00	1990
50.00	6098	73.00	1360	94.00	3860	176.00	26760
51.00	2027	74.00	5404	95.00	34320	177.00	1872
52.00	124	75.00	16159	96.00	2226		
55.00	128	76.00	1453	104.00	61		
56.00	477	77.00	262	106.00	177		

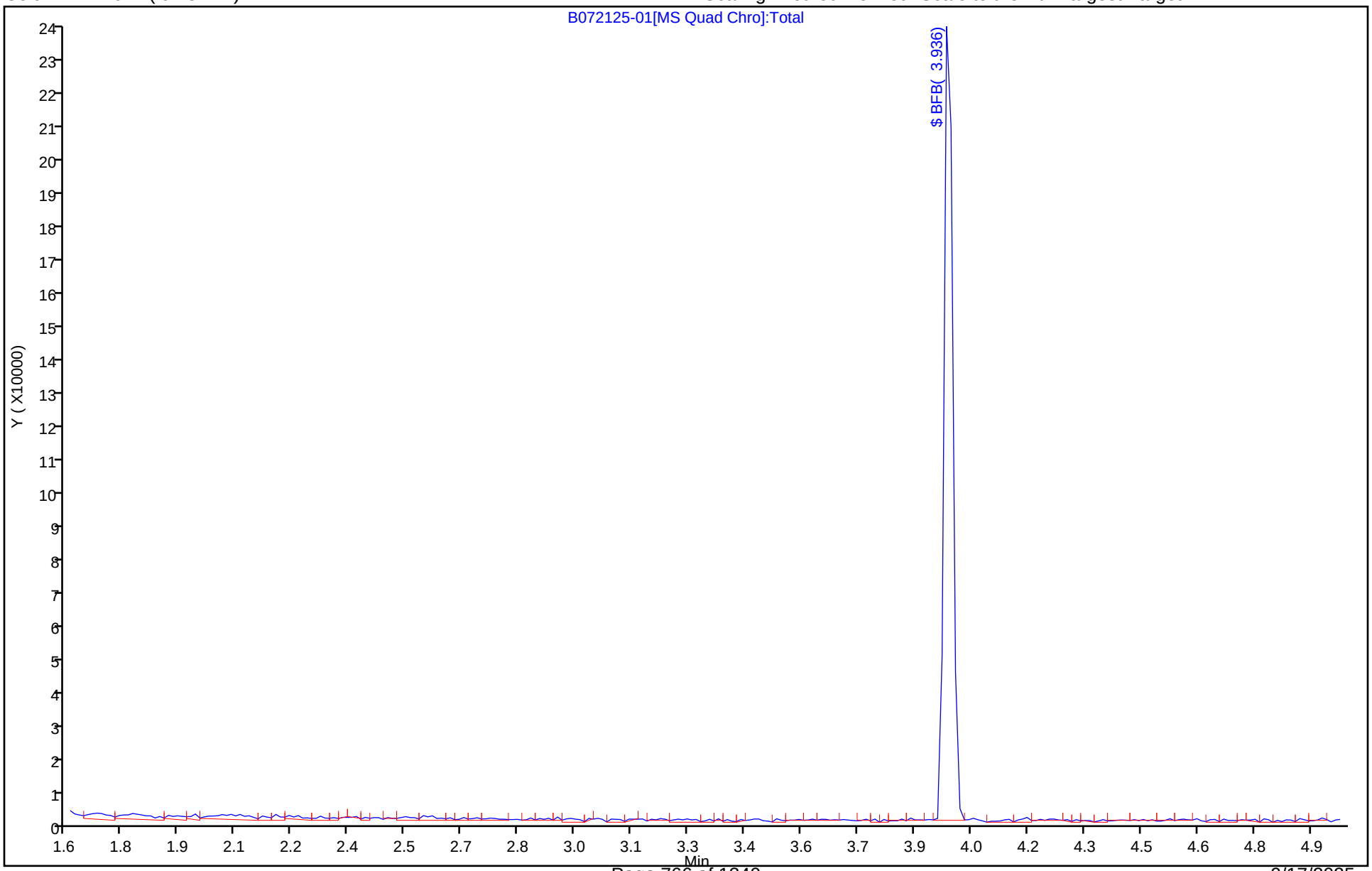
Report Date: 22-Jul-2025 09:30:50 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\BFB072125-01.D

Injection Date:	21-Jul-2025 11:27:41	Instrument ID:	A3UX22	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260_22	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
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Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157585.b\BFB072925-07.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 02-Aug-2025 09:24:07 ALS Bottle#: 30 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0157585-001
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157585.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 02-Aug-2025 10:28:22 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96		7.232				25.0	ND	
*	2 Chlorobenzene-d5	117		10.387				25.0	ND	
*	3 1,4-Dichlorobenzene-d4	152		12.367				25.0	ND	
$	4 Dibromofluoromethane (Surr)	111		6.462				ND	ND	
$	5 1,2-Dichloroethane-d4 (Surr)	65		6.900				ND	ND	
$	6 Toluene-d8 (Surr)	98		8.976				ND	ND	
$	7 4-Bromofluorobenzene (Surr)	95		11.418				ND	ND	
$	8 BFB	95	3.948	3.948	0.000	0	17957	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
ND - Not Detected or Marked ND

Reagents:

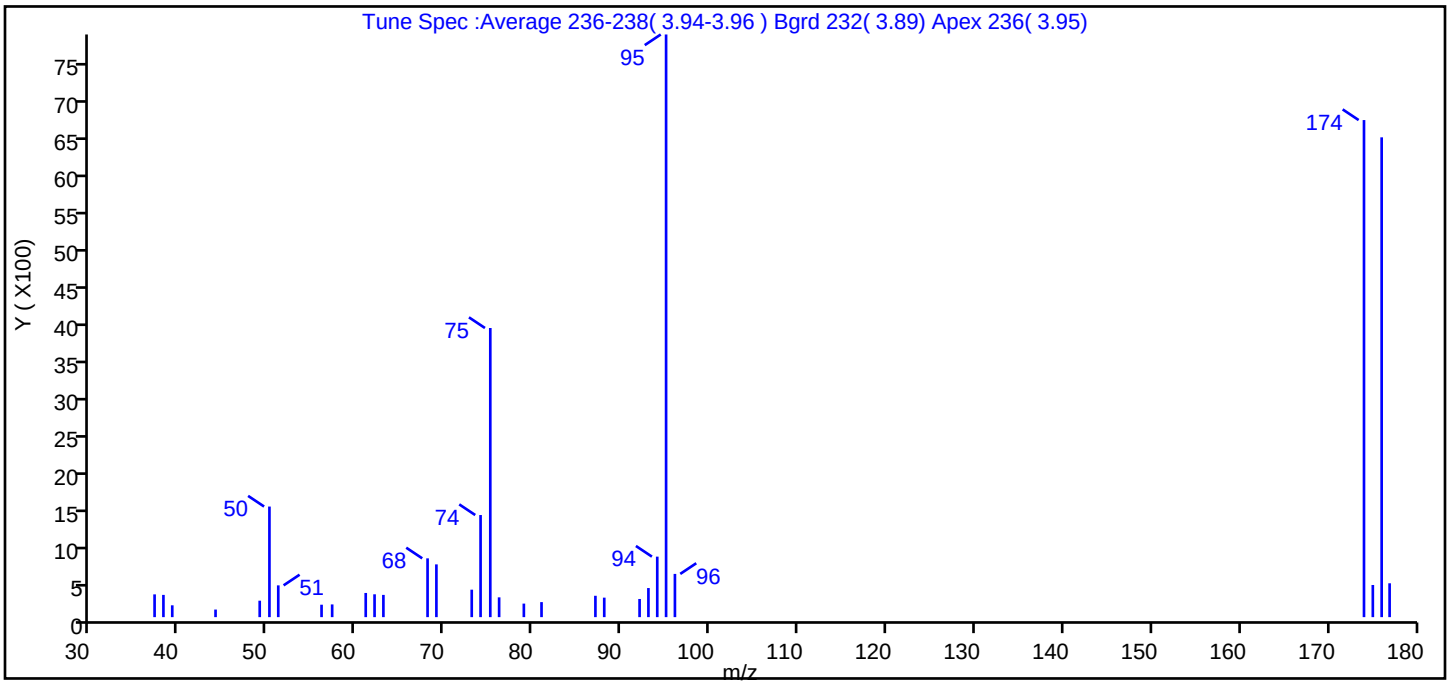
vmbfb_00037	Amount Added:	1.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

MS Tune Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157585.b\BFB072925-07.D
Injection Date: 02-Aug-2025 09:24:07 Instrument ID: A3UX22
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_22 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.0
75	30 to 60% of m/z 95	49.6
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	85.3
175	5 to 9% of m/z 174	5.5 (6.5)
176	Greater than 95% but less than 101% of m/z 174	82.3 (96.5)
177	5 to 9% of m/z 176	5.8 (7.1)

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157585.b\BFB072925-07.D\8260_22.rslt\spectra.d
Injection Date: 02-Aug-2025 09:24:07
Spectrum: Tune Spec :Average 236-238(3.94-3.96) Bgrd 232(3.89) Apex 236(3.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 31

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	306	57.00	171	75.00	3885	94.00	813
38.00	299	61.00	325	76.00	266	95.00	7829
39.00	159	62.00	307	79.00	182	96.00	581
44.00	102	63.00	299	81.00	202	174.00	6679
49.00	221	68.00	790	87.00	287	175.00	432
50.00	1486	69.00	709	88.00	262	176.00	6447
51.00	427	73.00	369	92.00	244	177.00	455
56.00	167	74.00	1372	93.00	391		

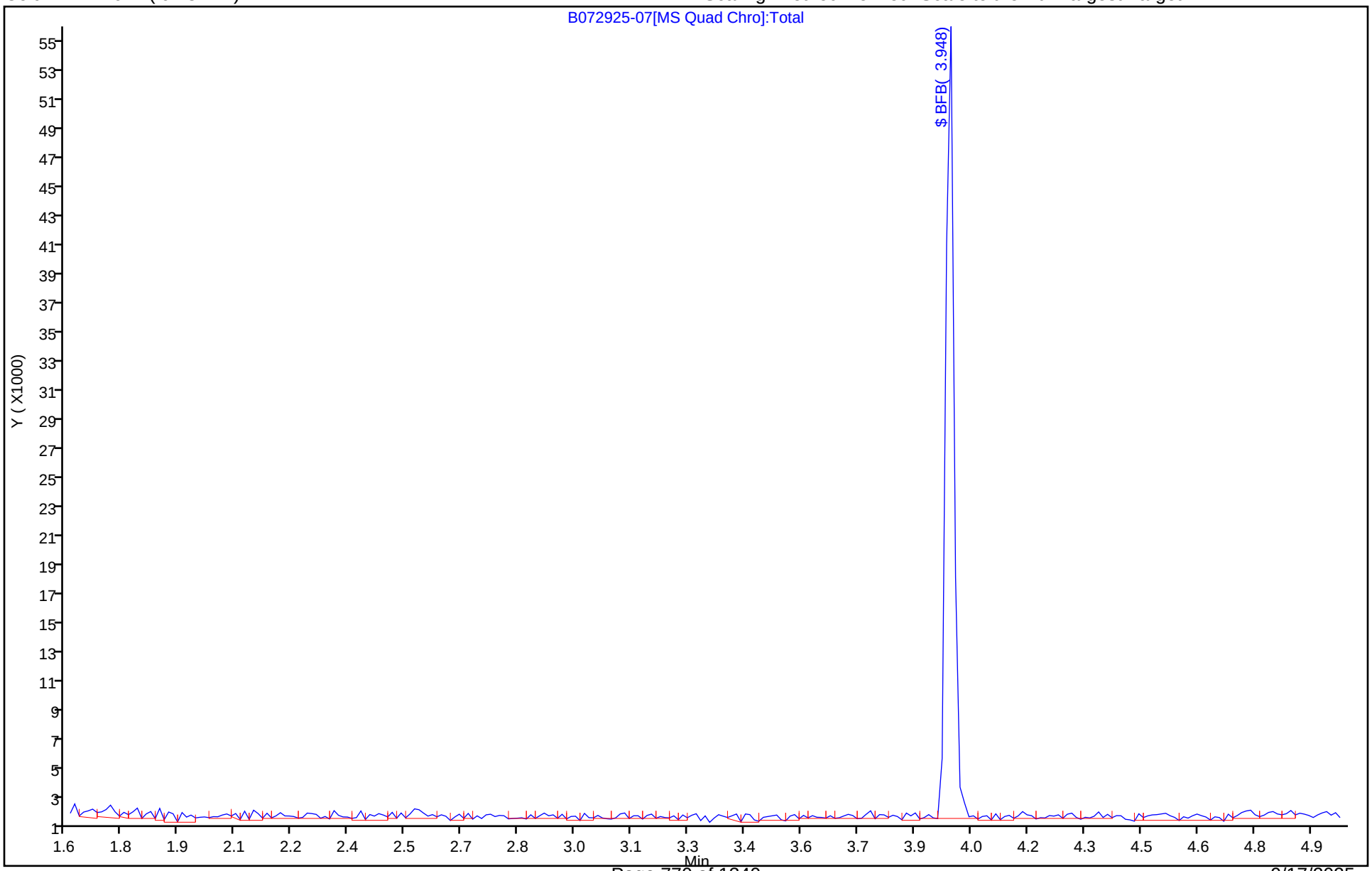
Report Date: 02-Aug-2025 10:28:22 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157585.b\BFB072925-07.D

Injection Date:	02-Aug-2025 09:24:07	Instrument ID:	A3UX22	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8260_22	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



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Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\BFBUX27071325-007.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-Jul-2025 14:32:18 ALS Bottle#: 2 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0157129-001
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2025 13:43:15 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: X1KD Date: 23-Jul-2025 13:41:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.927	3.927	0.000	0	676171	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

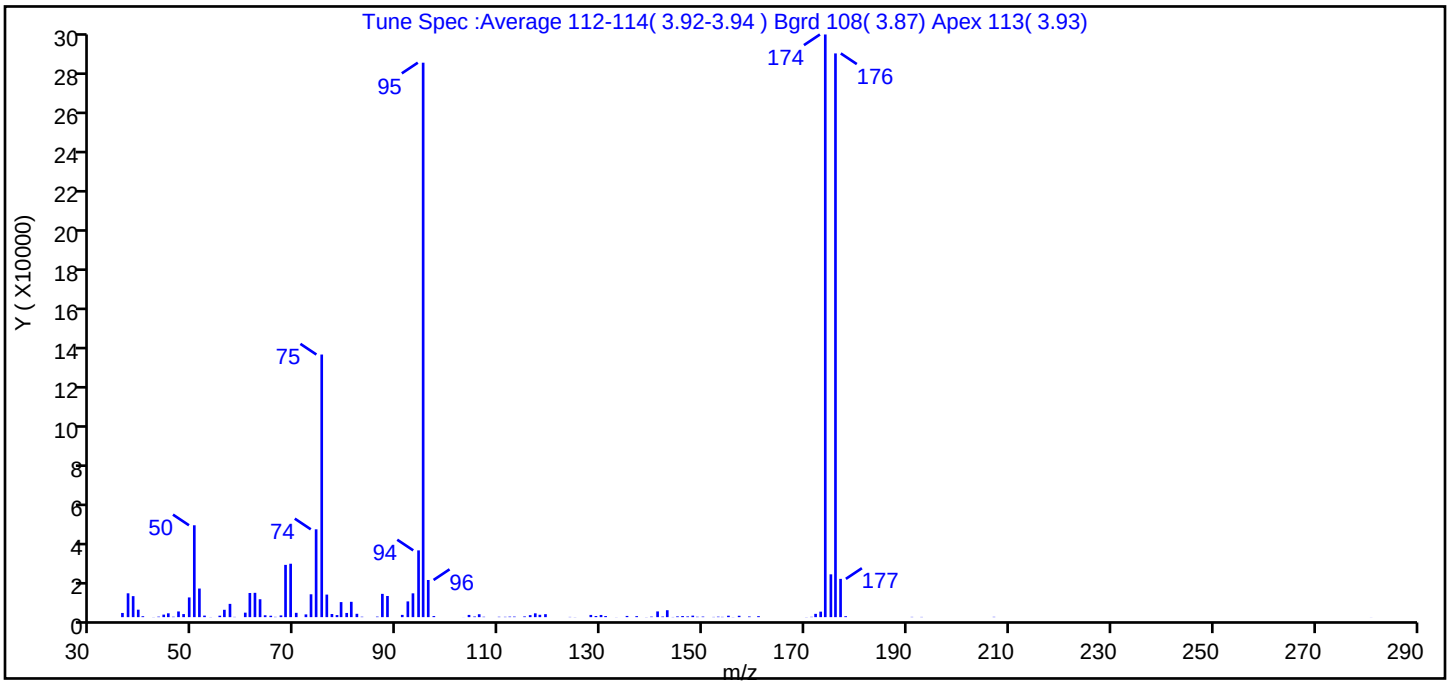
vmbfb_00037 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\BFBUX27071325-007.D
Injection Date: 18-Jul-2025 14:32:18 Instrument ID: A3UX27
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_27 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.6
75	30 to 60% of m/z 95	47.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	1.0 (0.9)
174	50 to 120% of m/z 95	105.1
175	5 to 9% of m/z 174	7.7 (7.3)
176	Greater than 95% but less than 101% of m/z 174	101.7 (96.7)
177	5 to 9% of m/z 176	6.9 (6.8)

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\BFBUX27071325-007.D\8260_27.rslt\spectra.
Injection Date: 18-Jul-2025 14:32:18
Spectrum: Tune Spec :Average 112-114(3.92-3.94) Bgrd 108(3.87) Apex 113(3.93)
Base Peak: 173.90
Minimum % Base Peak: 0
Number of Points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2138	67.00	881	105.00	330	146.00	557
37.00	12167	68.00	26672	106.00	1476	147.00	376
38.00	10721	69.00	27256	107.00	199	148.00	762
39.00	3808	70.00	2203	110.00	194	149.00	201
40.00	467	72.00	1402	111.00	169	150.00	283
42.00	60	73.00	11665	112.00	266	152.00	118
43.00	252	74.00	44824	113.00	281	153.00	246
44.00	1297	75.00	134016	115.00	370	154.00	142
45.00	1956	76.00	11509	116.00	1028	155.00	730
46.00	217	77.00	1603	117.00	1943	156.00	68
47.00	2904	78.00	1052	118.00	1198	157.00	694
48.00	1565	79.00	7678	119.00	1516	159.00	346
49.00	10058	80.00	2143	124.00	119	161.00	500
50.00	46880	81.00	7824	125.00	61	170.00	67
51.00	14597	82.00	1709	128.00	1129	171.00	167
52.00	785	83.00	213	129.00	570	172.00	1687
53.00	76	86.00	275	130.00	1110	173.00	2815
55.00	732	87.00	11881	131.00	555	174.00	297344
56.00	3758	88.00	10796	133.00	49	175.00	21848
57.00	6773	91.00	1151	135.00	615	176.00	287680
58.00	131	92.00	8038	137.00	520	177.00	19536
60.00	2288	93.00	12151	139.00	66	178.00	468
61.00	12326	94.00	34072	140.00	276	191.00	133
62.00	12414	95.00	282944	141.00	2923	193.00	112
63.00	9135	96.00	18960	142.00	305	207.00	153
64.00	955	97.00	547	143.00	3536	281.00	36
65.00	724	103.00	26	144.00	89		
66.00	151	104.00	1141	145.00	392		

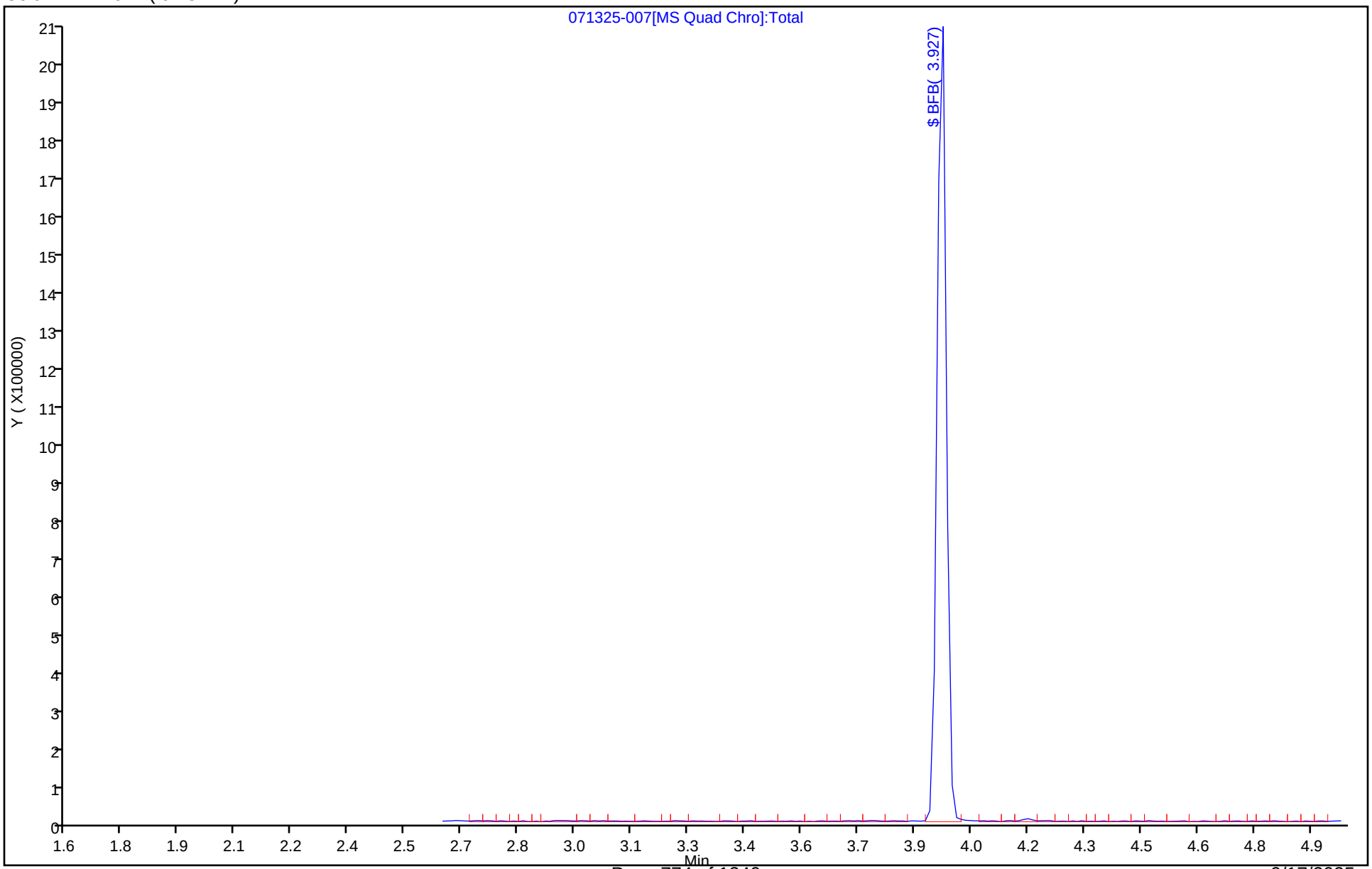
Report Date: 23-Jul-2025 13:43:15 Chrom Revision: 2.3 17-Jul-2025 12:11:26

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\BFBUX27071325-007.D

Injection Date:	18-Jul-2025 14:32:18	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



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Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\BFBUX27071325-018.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 05-Aug-2025 08:03:35 ALS Bottle#: 28 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0157638-001
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:03:09 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1660

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.927	3.927	0.000	0	311626	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

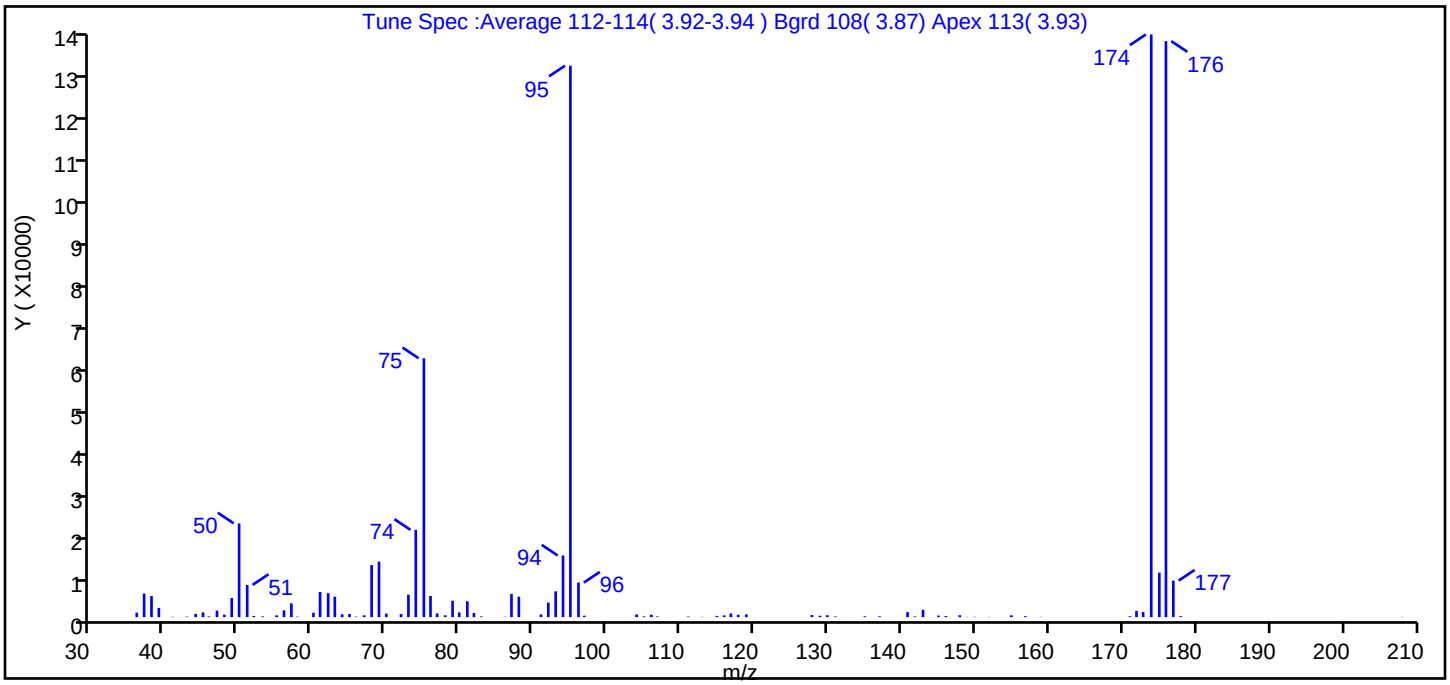
vmbfb_00037 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\BFBUX27071325-018.D
Injection Date: 05-Aug-2025 08:03:35 Instrument ID: A3UX27
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 28 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_27 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.0
75	30 to 60% of m/z 95	46.9
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.9 (0.9)
174	50 to 120% of m/z 95	105.7
175	5 to 9% of m/z 174	8.1 (7.6)
176	Greater than 95% but less than 101% of m/z 174	104.4 (98.9)
177	5 to 9% of m/z 176	6.6 (6.3)

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\BFBUX27071325-018.D\8260_27.rslt\spectra.
Injection Date: 05-Aug-2025 08:03:35
Spectrum: Tune Spec :Average 112-114(3.92-3.94) Bgrd 108(3.87) Apex 113(3.93)
Base Peak: 173.90
Minimum % Base Peak: 0
Number of Points: 92

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1023	62.00	5508	88.00	4699	135.00	201
37.00	5426	63.00	4710	91.00	613	137.00	196
38.00	4853	64.00	658	92.00	3328	141.00	1150
39.00	2134	65.00	729	93.00	5944	142.00	174
41.00	88	66.00	123	94.00	14185	143.00	1711
42.00	19	67.00	427	95.00	126904	145.00	363
43.00	118	68.00	11983	96.00	7956	146.00	257
44.00	748	69.00	12776	97.00	342	148.00	446
45.00	1094	70.00	812	104.00	621	149.00	58
46.00	169	72.00	726	105.00	186	150.00	79
47.00	1519	73.00	5162	106.00	562	152.00	69
48.00	574	74.00	20088	107.00	155	155.00	410
49.00	4401	75.00	59576	111.00	137	157.00	231
50.00	21576	76.00	4863	113.00	65	159.00	63
51.00	7417	77.00	851	115.00	291	171.00	206
52.00	279	78.00	422	116.00	413	172.00	1436
53.00	184	79.00	3769	117.00	840	173.00	1171
55.00	418	80.00	1087	118.00	536	174.00	134080
56.00	1562	81.00	3649	119.00	631	175.00	10227
57.00	3174	82.00	943	128.00	477	176.00	132544
58.00	110	83.00	171	129.00	319	177.00	8407
60.00	1010	86.00	85	130.00	447	178.00	233
61.00	5787	87.00	5347	131.00	161	208.00	62

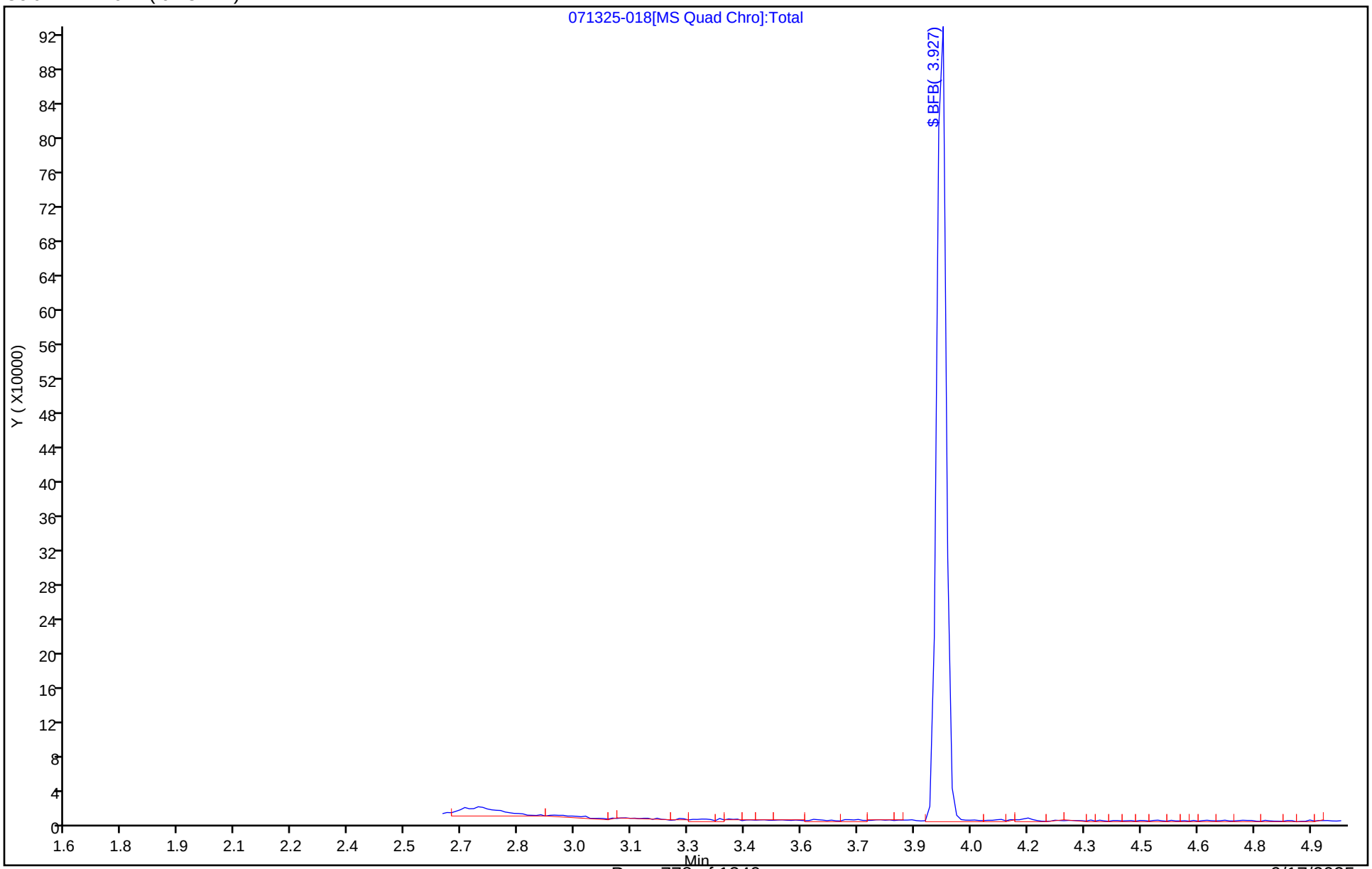
Report Date: 06-Aug-2025 08:03:09 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\BFBUX27071325-018.D

Injection Date:	05-Aug-2025 08:03:35	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-666167/7

Matrix: Water | Lab File ID: 080225-038.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/02/2025 23:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666167 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX22

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	10	U	10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	10	U	10	1.5
67-64-1	Acetone	10	U	10	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		78-122
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
460-00-4	4-Bromofluorobenzene (Surr)	106		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-038.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 02-Aug-2025 23:53:27 ALS Bottle#: 37 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 240-0157588-007
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:45:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.232	7.233	-0.001	99	920149	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	85	727727	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	95	432525	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	250180	25.0	24.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.901	-0.001	0	281425	25.0	25.7	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	886591	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.419	0.000	90	385483	25.0	26.5	
9 Dichlorodifluoromethane	85		1.220					ND	
10 Chloromethane	50	1.410	1.422	-0.012	92	944		0.1046	
11 isobutylene	56		1.481					ND	
12 Vinyl chloride	62		1.517					ND	
13 Butadiene	54		1.541					ND	
14 Bromomethane	94		1.849					ND	7
15 Chloroethane	64		1.944					ND	7
16 Trichlorofluoromethane	101		2.181					ND	
18 Dichlorofluoromethane	67		2.205					ND	
17 1-Chloro-1-fluoroethane TIC	47		2.215					ND	
124 Pentane	72		2.264					ND	
19 Ethyl ether	59		2.584					ND	
20 Ethanol	45		2.608					ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.798					ND	
22 Acrolein	56		2.833					ND	
23 1,1-Dichloroethene	96		2.833					ND	
24 Methylal	45		2.994					ND	
26 Iodomethane	142	3.058	3.047	0.011	97	9771		1.97	
25 Acetone	43	3.058	3.058	0.000	59	6024		1.91	
27 Carbon disulfide	76		3.070					ND	7
28 3-Chloro-1-propene	41		3.390					ND	
29 Methyl acetate	43		3.473					ND	
30 Acetonitrile	41	3.568	3.556	0.012	85	1655		1.17	
31 Methylene Chloride	84	3.639	3.628	0.011	88	1985		0.2415	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59		3.936					ND	
33 Methyl tert-butyl ether	73		3.983					ND	
34 trans-1,2-Dichloroethene	96		3.983					ND	
35 Acrylonitrile	53		4.185					ND	
36 Hexane	57		4.339					ND	
37 1,1-Dichloroethane	63		4.825					ND	
38 Isopropyl ether	87		4.884					ND	
39 2-Chloro-1,3-butadiene	53		4.908					ND	
40 Vinyl acetate	43		4.956					ND	
41 Tert-butyl ethyl ether	59		5.465					ND	
42 2,2-Dichloropropane	97		5.703					ND	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	78	3785		0.4287	
44 2-Butanone (MEK)	72		5.869					ND	
45 Ethyl acetate	43		5.916					ND	
46 Methyl acrylate	55		5.976					ND	
47 Propionitrile	54		6.058					ND	
48 Chlorobromomethane	49		6.106					ND	
49 Tetrahydrofuran	42		6.118					ND	
50 Methacrylonitrile	41		6.201					ND	
51 Chloroform	83		6.237					ND	
52 Cyclohexane	84		6.331					ND	
53 1,1,1-Trichloroethane	97		6.379					ND	
54 Carbon tetrachloride	117		6.533					ND	
55 1,1-Dichloropropene	75		6.592					ND	
125 Isooctane	57		6.853					ND	
56 Benzene	78		6.853					ND	
57 Isobutyl alcohol	41		6.948					ND	
58 1,2-Dichloroethane	62		6.995					ND	
59 Tert-amyl methyl ether	73		7.007					ND	
60 n-Heptane	100		7.126					ND	
61 Trichloroethene	130		7.648					ND	
62 n-Butanol	56		7.730					ND	
63 Methylcyclohexane	83		7.754					ND	
64 Ethyl acrylate	55		7.861					ND	
65 Tetrahydrothiophene	60		7.931					ND	
66 1,2-Dichloropropane	63		7.956					ND	
67 Dibromomethane	174		8.086					ND	
69 Methyl methacrylate	41		8.098					ND	
68 1,4-Dioxane	88		8.110					ND	
70 Dichlorobromomethane	83		8.264					ND	7
71 2-Nitropropane	41		8.608					ND	
72 2-Chloroethyl vinyl ether	63		8.632					ND	
73 cis-1,3-Dichloropropene	75		8.762					ND	
74 4-Methyl-2-pentanone (MIBK)	43		8.928					ND	
75 Toluene	91		9.035					ND	
76 trans-1,3-Dichloropropene	75		9.367					ND	
77 Ethyl methacrylate	69		9.403					ND	
78 1,1,2-Trichloroethane	97		9.533					ND	
79 Tetrachloroethene	166		9.557					ND	
80 1,4-Dichlorobutane	55		9.626					ND	
81 1,3-Dichloropropane	76		9.699					ND	
82 2-Hexanone	43		9.759					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 n-Butyl acetate	43		9.853					ND	
84 Chlorodibromomethane	129		9.877					ND	7
85 Ethylene Dibromide	107		9.984					ND	
86 1-Chlorohexane	91	10.387	10.375	0.012	33	1345		0.1167	
87 Chlorobenzene	112		10.411					ND	
88 Ethylbenzene	106		10.482					ND	
89 1,1,1,2-Tetrachloroethane	131		10.494					ND	
90 m-Xylene & p-Xylene	106		10.589					ND	
91 n-Butyl acrylate	73		10.932					ND	
92 o-Xylene	106		10.944					ND	
93 Styrene	104		10.968					ND	
94 Bromoform	173		11.146					ND	
95 Isopropylbenzene	105		11.241					ND	
96 Cyclohexanone	55		11.395					ND	
97 Bromobenzene	156		11.537					ND	
98 1,1,2,2-Tetrachloroethane	83		11.573					ND	
99 N-Propylbenzene	120		11.597					ND	
100 1,2,3-Trichloropropane	110		11.608					ND	
101 trans-1,4-Dichloro-2-butene	53		11.620					ND	
102 2-Chlorotoluene	126		11.692					ND	
103 1,3,5-Trimethylbenzene	105		11.751					ND	
104 4-Chlorotoluene	126		11.786					ND	
105 tert-Butylbenzene	119		12.000					ND	
107 1,2,4-Trimethylbenzene	105		12.059					ND	
106 Pentachloroethane	167		12.065					ND	
108 sec-Butylbenzene	105		12.190					ND	
109 4-Isopropyltoluene	119		12.296					ND	
110 1,3-Dichlorobenzene	146		12.308					ND	
111 1,4-Dichlorobenzene	146		12.391					ND	
112 1,2,3-Trimethylbenzene	105		12.403					ND	
113 Benzyl chloride	91		12.509					ND	
114 n-Butylbenzene	91		12.628					ND	
115 1,2-Dichlorobenzene	146		12.699					ND	
116 1,2-Dibromo-3-Chloropropane	157		13.340					ND	
117 1,3,5-Trichlorobenzene	180		13.458					ND	
118 1,2,4-Trichlorobenzene	180		13.957					ND	
119 Hexachlorobutadiene	225		14.040					ND	
120 2-Ethylhexyl acrylate	70		14.075					ND	
121 Naphthalene	128		14.158					ND	7
122 1,2,3-Trichlorobenzene	180		14.348					ND	
123 2-Methylnaphthalene	142	15.024	15.035	-0.011	90	3317		0.2351	
S 127 Trihalomethanes, Total	1		-0.010					ND	
S 126 Total BTEX	1		-0.010					ND	
S 128 1,2-Dichloroethene, Total	96				0			0.4287	
S 129 1,3-Dichloropropene, Total	75		6.750					ND	
S 130 Xylenes, Total	106		16.520					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

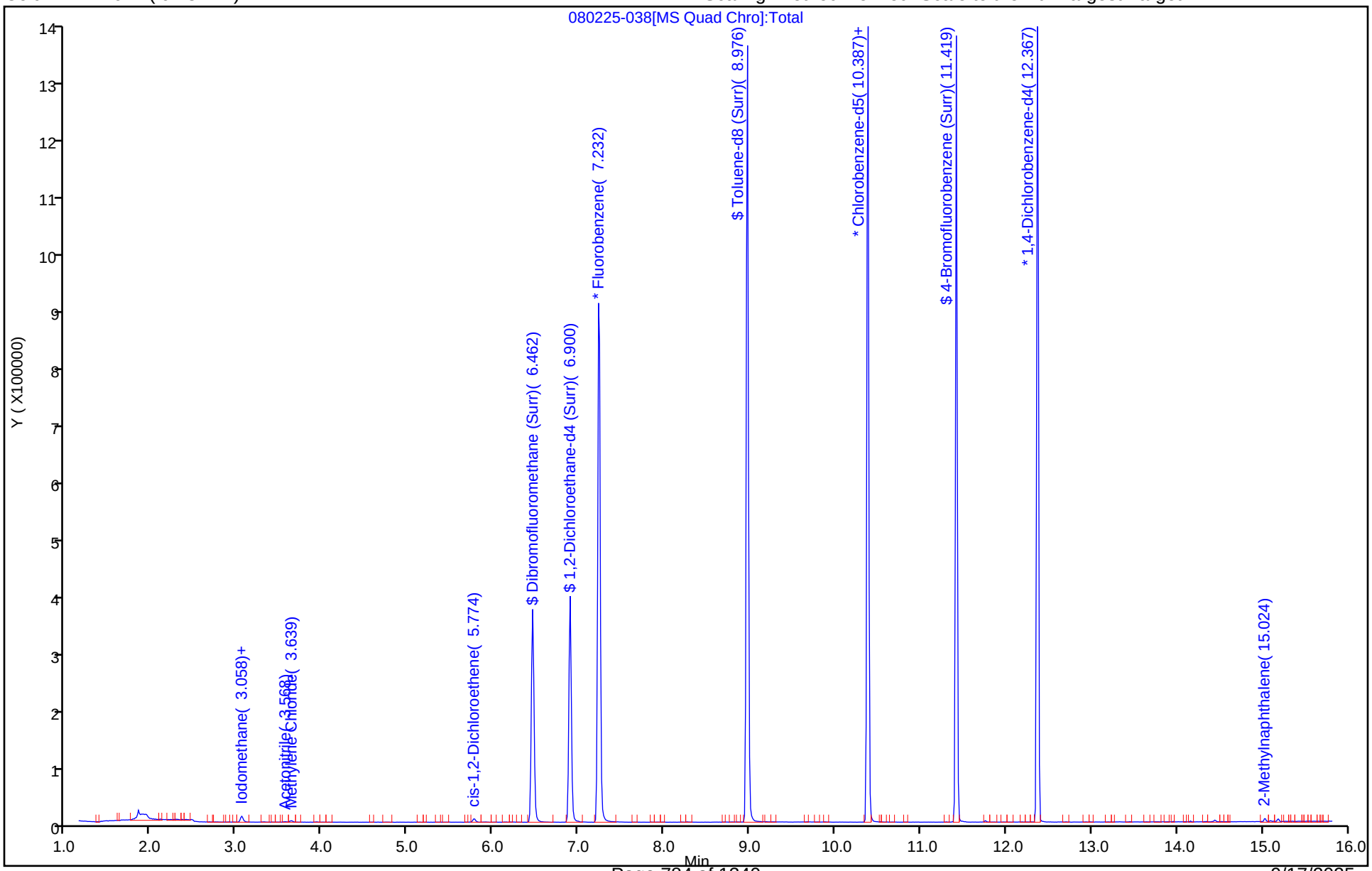
Report Date: 04-Aug-2025 13:51:15 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-038.D

Injection Date:	02-Aug-2025 23:53:27	Instrument ID:	A3UX22	Operator ID:	
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	37
Method:	8260_22	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-038.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 02-Aug-2025 23:53:27 ALS Bottle#: 37 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 240-0157588-007
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:45:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	24.5	98.15
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.65
$ 6 Toluene-d8 (Surr)	25.0	25.6	102.24
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.5	105.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-666364/9

Matrix: Water | Lab File ID: 250805-007.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/05/2025 10:55

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666364 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX27

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	10	U	10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	10	U	10	1.5
67-64-1	Acetone	10	U	10	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	94		78-122
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
460-00-4	4-Bromofluorobenzene (Surr)	86		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-007.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 05-Aug-2025 10:55:04 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 240-0157638-009
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:03:09 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: R5XG Date: 06-Aug-2025 09:08:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.708	7.696	0.012	99	993096	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.661	10.649	0.012	84	759251	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	93	389247	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	96	282700	25.0	25.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.364	0.012	97	332245	25.0	25.9	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	93	981769	25.0	23.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	87	309495	25.0	21.5	
11 Isobutylene TIC	56		1.250					ND	
10 Dichlorodifluoromethane	85		2.146					ND	
12 Chloromethane	50		2.395					ND	
166 isobutylene	56	2.537	2.526	0.011	59	1725		NC	
14 Vinyl chloride	62		2.573					ND	
13 Butadiene	54		2.644					ND	7
15 Bromomethane	94		3.071					ND	U
16 Chloroethane	64		3.272					ND	7
17 Dichlorofluoromethane	67		3.640					ND	
18 Trichlorofluoromethane	101		3.664					ND	
168 Pentane	72		3.806					ND	
167 Ethanol	45		3.972					ND	
19 Ethyl ether	59		4.103					ND	
20 Acrolein	56		4.292					ND	
21 1,1-Dichloroethene	96		4.411					ND	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151		4.446					ND	
24 Acetone	43	4.494	4.482	0.012	99	16087		0.3403	
25 Iodomethane	142		4.601					ND	
26 Carbon disulfide	76		4.684					ND	7
27 Acetonitrile	41	4.850	4.850	0.000	88	3997		1.98	
29 Methyl acetate	43	4.909	4.897	0.012	95	6185		0.5025	
28 3-Chloro-1-propene	76		4.909					ND	
30 Methylene Chloride	84	5.075	5.075	0.000	96	5447		0.4797	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	48	1335		0.9244	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53		5.360					ND	
34 Methyl tert-butyl ether	73		5.395					ND	
33 trans-1,2-Dichloroethene	96		5.395					ND	
35 Hexane	86		5.727					ND	
36 1,1-Dichloroethane	63		5.905					ND	
37 Vinyl acetate	43		5.917					ND	
39 Isopropyl ether	87		5.953					ND	
38 2-Chloro-1,3-butadiene	53		5.988					ND	
40 Tert-butyl ethyl ether	59		6.344					ND	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	65	390		0.1824	
41 cis-1,2-Dichloroethene	96		6.522					ND	
42 2,2-Dichloropropane	97		6.522					ND	
45 Ethyl acetate	43		6.546					ND	U
44 Propionitrile	54		6.581					ND	
164 Methyl acrylate	55		6.605					ND	
47 Methacrylonitrile	41		6.735					ND	
46 Chlorobromomethane	128		6.771					ND	
49 Tetrahydrofuran	42		6.783					ND	
79 Tetrahydrothiophene	60		6.783					ND	
48 Chloroform	83		6.866					ND	
50 1,1,1-Trichloroethane	97		7.043					ND	
51 Cyclohexane	56		7.115					ND	
53 1,1-Dichloropropene	75		7.198					ND	
52 Carbon tetrachloride	117		7.198					ND	
54 Isobutyl alcohol	41		7.269					ND	
55 Benzene	78		7.399					ND	
56 1,2-Dichloroethane	62		7.447					ND	
169 Isooctane	57	7.506	7.506	0.000	69	1744		0.6605	
57 Tert-amyl methyl ether	73		7.518					ND	
58 n-Heptane	100		7.684					ND	
59 n-Butanol	56		7.945					ND	
60 Trichloroethene	130		8.087					ND	
61 Ethyl acrylate	55		8.158					ND	
92 1,4-Dichlorobutane	55		8.350					ND	
62 Methylcyclohexane	83		8.360					ND	
63 1,2-Dichloropropane	63		8.384					ND	
65 Methyl methacrylate	41		8.419					ND	
66 1,4-Dioxane	88		8.455					ND	
64 Dibromomethane	93		8.490					ND	
67 Dichlorobromomethane	83		8.668					ND	
68 2-Nitropropane	41		8.894					ND	
69 2-Chloroethyl vinyl ether	63		8.941					ND	
70 cis-1,3-Dichloropropene	75		9.119					ND	
71 4-Methyl-2-pentanone (MIBK)	43		9.249					ND	
72 Toluene	91		9.451					ND	
102 Pentachloroethane	167		9.510					ND	
73 trans-1,3-Dichloropropene	75		9.652					ND	
74 Ethyl methacrylate	69		9.676					ND	
75 1,1,2-Trichloroethane	97		9.830					ND	
76 Tetrachloroethene	164		9.925					ND	
77 1,3-Dichloropropane	76		9.973					ND	
113 1,3-Diethylbenzene TIC	1		10.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
78 2-Hexanone	43		10.008					ND	
81 n-Butyl acetate	43	10.115	10.091	0.024	35	571		0.0329	
80 Chlorodibromomethane	129		10.174					ND	
82 Ethylene Dibromide	107		10.281					ND	
83 1-Chlorohexane	91		10.637					ND	U
84 Chlorobenzene	112		10.672					ND	
86 Ethylbenzene	106		10.743					ND	
85 1,1,1,2-Tetrachloroethane	131		10.743					ND	
87 m-Xylene & p-Xylene	106		10.850					ND	
165 n-Butyl acrylate	73		11.076					ND	
89 o-Xylene	106		11.147					ND	
88 Styrene	104		11.158					ND	
90 Bromoform	173		11.313					ND	
91 Isopropylbenzene	105		11.407					ND	
93 Cyclohexanone	55		11.491					ND	
94 1,1,2,2-Tetrachloroethane	83		11.621					ND	
97 trans-1,4-Dichloro-2-butene	53		11.645					ND	U
95 Bromobenzene	156		11.657					ND	
96 1,2,3-Trichloropropane	110		11.680					ND	
98 N-Propylbenzene	120		11.704					ND	
99 2-Chlorotoluene	126		11.787					ND	
100 1,3,5-Trimethylbenzene	105		11.823					ND	
101 4-Chlorotoluene	126		11.870					ND	
103 tert-Butylbenzene	119		12.048					ND	
104 1,2,4-Trimethylbenzene	105		12.083					ND	
105 sec-Butylbenzene	105		12.190					ND	
107 4-Isopropyltoluene	119		12.285					ND	
106 1,3-Dichlorobenzene	146		12.297					ND	7
108 1,4-Dichlorobenzene	146		12.356					ND	
109 1,2,3-Trimethylbenzene	105		12.356					ND	
110 Benzyl chloride	126		12.427					ND	
111 n-Butylbenzene	91		12.546					ND	7
112 1,2-Dichlorobenzene	146		12.593					ND	
114 1,2-Dibromo-3-Chloropropane	157		13.080					ND	
115 1,3,5-Trichlorobenzene	180	13.186	13.186	0.000	93	2653		0.1295	
116 1,2,4-Trichlorobenzene	180		13.589					ND	7
163 2-Ethylhexyl acrylate	70		13.625					ND	
117 Hexachlorobutadiene	225		13.672					ND	
118 Naphthalene	128		13.779					ND	
119 1,2,3-Trichlorobenzene	180		13.922					ND	
120 2-Methylnaphthalene	142	14.598	14.598	0.000	97	3590		0.1557	
S 128 Trihalomethanes, Total	1		-0.500					ND	
S 129 Total BTEX	1		-0.500					ND	
S 130 1,2-Dichloroethene, Total	96		0.640					ND	
S 131 1,3-Dichloropropene, Total	75		6.260					ND	
S 132 Xylenes, Total	106		16.030					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vmUX27IS_00002	Amount Added:	10.00	Units: uL	Run Reagent
vmUX27-SS_00002	Amount Added:	10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added:	0.00	Units:	Run Reagent

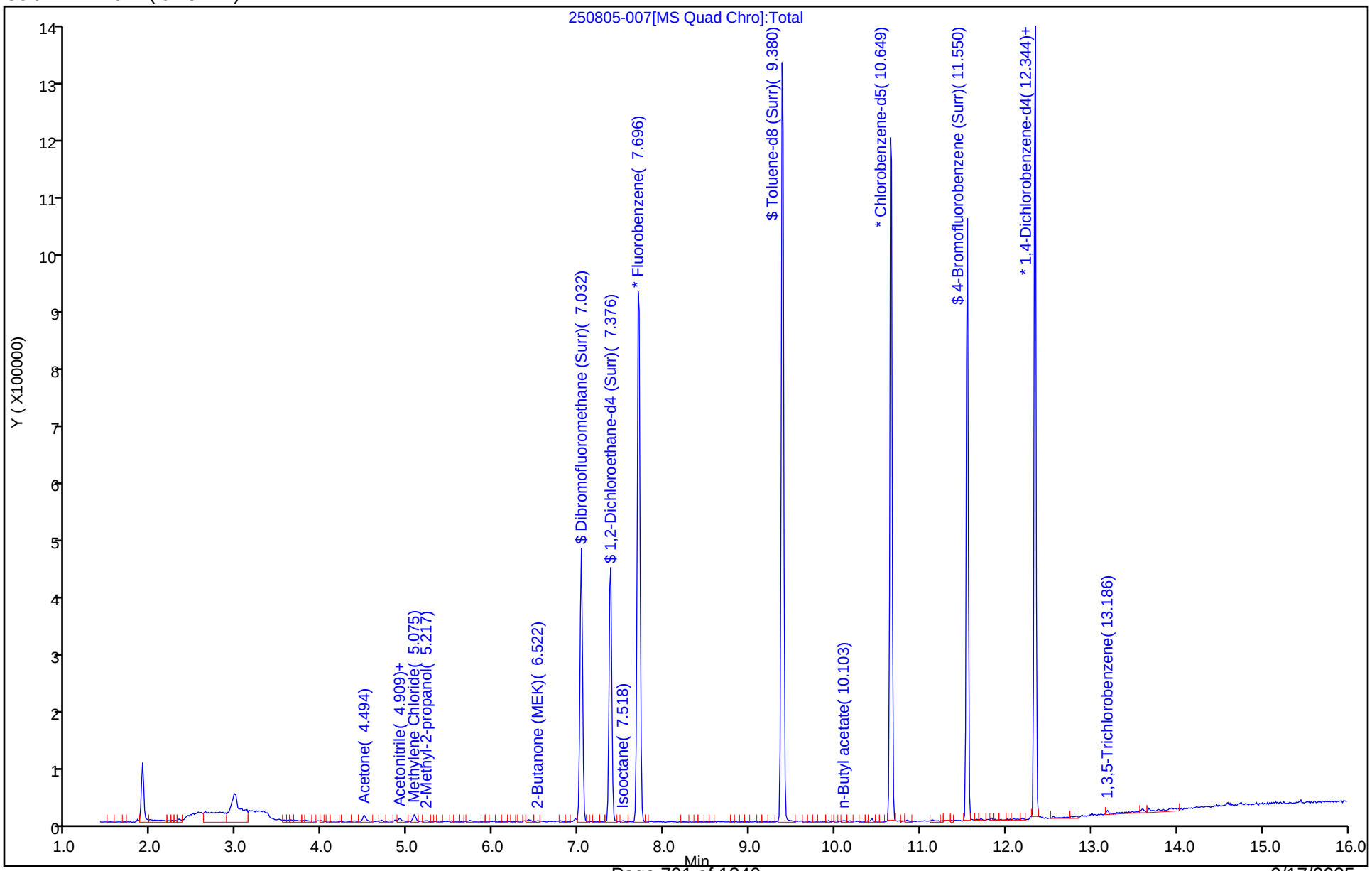
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Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-007.D

Injection Date:	05-Aug-2025 10:55:04	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	MB			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-007.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 05-Aug-2025 10:55:04 ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 240-0157638-009
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:03:09 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: R5XG Date: 06-Aug-2025 09:08:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	25.3	101.08
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.9	103.78
$ 6 Toluene-d8 (Surr)	25.0	23.6	94.41
$ 7 4-Bromofluorobenzene (Surr)	25.0	21.5	85.89

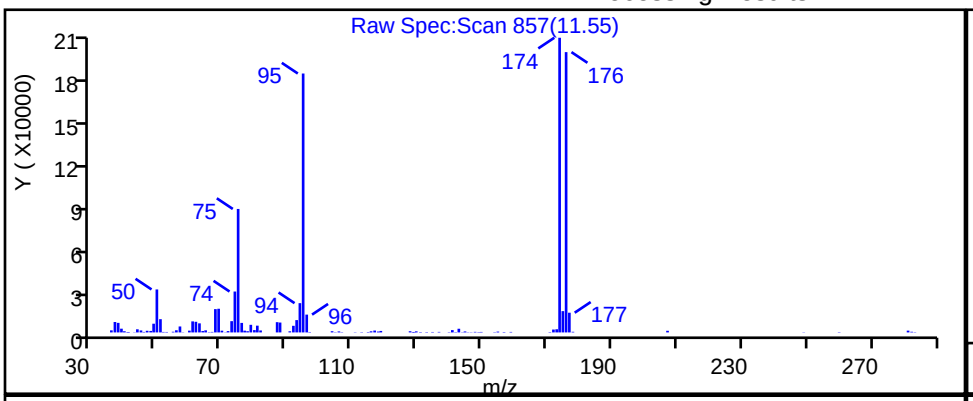
User Disabled Compound Report

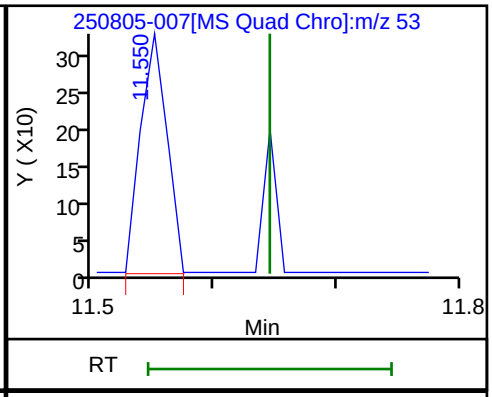
Eurofins Cleveland

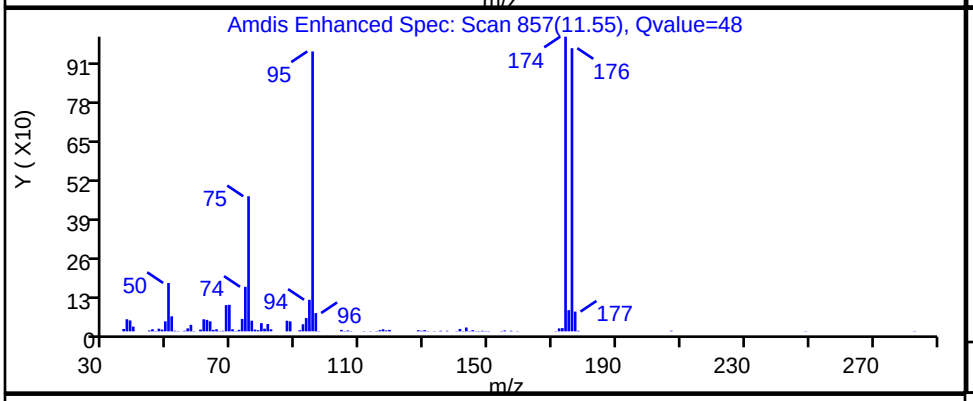
Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-007.D
Injection Date: 05-Aug-2025 10:55:04 Instrument ID: A3UX27
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_27 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

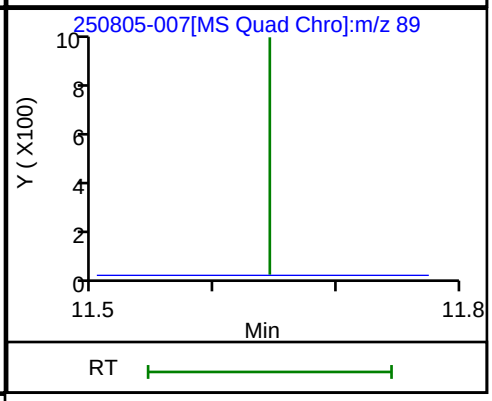
97 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

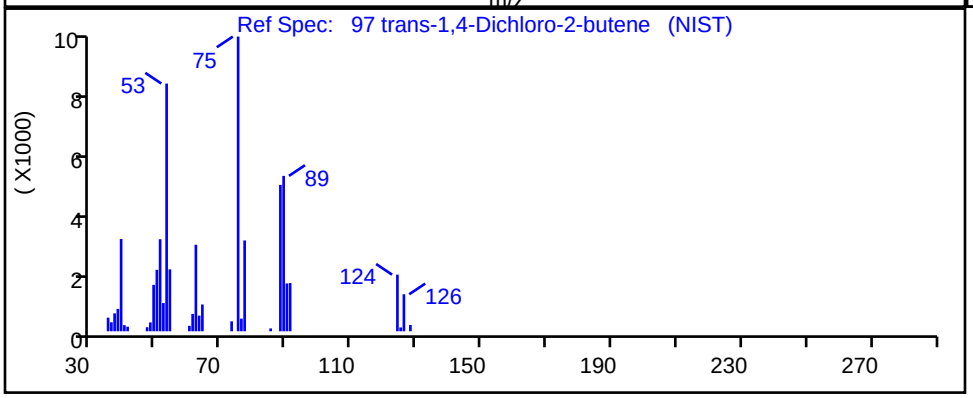
Processing Results











RT	Mass	Response	Amount
11.55	53.00	488	0.103438
11.64	89.00	0	

Reviewer: R5XG, 05-Aug-2025 11:19:33 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-666167/3

Matrix: Water | Lab File ID: 080225-034.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/02/2025 22:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666167 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX22

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	127		10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	18.8		10	1.5
67-64-1	Acetone	54.2		10	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		78-122
1868-53-7	Dibromofluoromethane (Surr)	93		73-120
460-00-4	4-Bromofluorobenzene (Surr)	105		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-034.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 02-Aug-2025 22:19:39 ALS Bottle#: 33 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 240-0157588-003
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:44:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.232	7.233	-0.001	99	972003	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	84	742725	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	94	429443	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.461	6.462	-0.001	93	251739	25.0	23.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.901	-0.001	0	274830	25.0	23.7	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	911436	25.0	25.7	
$ 7 4-Bromofluorobenzene (Surr)	95	11.418	11.419	-0.001	89	389127	25.0	26.2	
9 Dichlorodifluoromethane	85	1.232	1.220	0.012	99	184736	25.0	16.3	
10 Chloromethane	50	1.422	1.422	0.000	99	190681	25.0	20.0	
12 Vinyl chloride	62	1.516	1.517	-0.001	98	220500	25.0	23.1	
13 Butadiene	54	1.540	1.541	0.000	92	220395	25.0	23.5	
14 Bromomethane	94	1.848	1.849	-0.001	91	66297	25.0	18.7	
15 Chloroethane	64	1.943	1.944	-0.001	99	78992	25.0	18.7	
16 Trichlorofluoromethane	101	2.181	2.181	-0.001	99	278954	25.0	18.0	
18 Dichlorofluoromethane	67	2.204	2.205	-0.001	99	387346	25.0	19.6	
19 Ethyl ether	59	2.584	2.584	0.000	89	148933	25.0	26.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.809	2.798	0.011	93	186690	25.0	25.1	
22 Acrolein	56	2.833	2.833	0.000	46	81707	125.0	127.3	
23 1,1-Dichloroethene	96	2.833	2.833	0.000	97	185897	25.0	25.7	
26 Iodomethane	142	3.058	3.047	0.011	63	115215	25.0	23.9	
25 Acetone	43	3.058	3.058	0.000	99	180934	50.0	54.2	
27 Carbon disulfide	76	3.082	3.070	0.012	99	538526	25.0	25.0	
28 3-Chloro-1-propene	41	3.390	3.390	0.000	87	226085	25.0	24.0	
29 Methyl acetate	43	3.485	3.473	0.012	96	349582	50.0	47.1	
31 Methylene Chloride	84	3.639	3.628	0.011	88	216183	25.0	24.9	
32 2-Methyl-2-propanol	59	3.936	3.936	0.000	97	365204	250.0	232.2	
33 Methyl tert-butyl ether	73	3.983	3.983	0.000	92	546071	25.0	26.7	
34 trans-1,2-Dichloroethene	96	3.983	3.983	0.000	73	214744	25.0	25.3	
35 Acrylonitrile	53	4.185	4.185	0.000	99	991917	250.0	270.1	
36 Hexane	57	4.339	4.339	0.000	90	240847	25.0	25.1	
37 1,1-Dichloroethane	63	4.825	4.825	0.000	96	349205	25.0	25.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 Vinyl acetate	43	4.967	4.956	0.011	97	206137	25.0	23.8	
42 2,2-Dichloropropane	97	5.703	5.703	0.000	91	46104	25.0	19.5	
43 cis-1,2-Dichloroethene	96	5.774	5.774	0.000	77	241125	25.0	25.9	
44 2-Butanone (MEK)	72	5.869	5.869	0.000	99	74403	50.0	53.0	
48 Chlorobromomethane	49	6.118	6.106	0.012	91	135464	25.0	24.5	
49 Tetrahydrofuran	42	6.118	6.118	0.000	83	161242	50.0	49.0	
51 Chloroform	83	6.236	6.237	-0.001	93	371046	25.0	25.4	
52 Cyclohexane	84	6.331	6.331	0.000	87	304813	25.0	24.3	
53 1,1,1-Trichloroethane	97	6.378	6.379	-0.001	98	308171	25.0	23.4	
54 Carbon tetrachloride	117	6.533	6.533	0.000	97	256081	25.0	21.7	
55 1,1-Dichloropropene	75	6.604	6.592	0.012	97	270589	25.0	23.9	
56 Benzene	78	6.853	6.853	0.000	95	818500	25.0	25.9	
57 Isobutyl alcohol	41	6.948	6.948	0.000	92	266517	625.0	657.5	
58 1,2-Dichloroethane	62	6.995	6.995	0.000	98	267702	25.0	25.2	
60 n-Heptane	100	7.126	7.126	0.000	85	52561	25.0	23.3	
61 Trichloroethene	130	7.647	7.648	-0.001	97	241613	25.0	24.6	
63 Methylcyclohexane	83	7.754	7.754	0.000	87	321453	25.0	23.2	
66 1,2-Dichloropropane	63	7.956	7.956	0.000	93	190720	25.0	25.8	
67 Dibromomethane	174	8.098	8.086	0.012	94	150046	25.0	23.8	
68 1,4-Dioxane	88	8.110	8.110	0.000	90	95844	500.0	521.7	
70 Dichlorobromomethane	83	8.276	8.264	0.012	99	258969	25.0	25.1	
72 2-Chloroethyl vinyl ether	63	8.632	8.632	0.000	92	132098	25.0	25.4	
73 cis-1,3-Dichloropropene	75	8.762	8.762	0.000	96	271587	25.0	22.1	
74 4-Methyl-2-pentanone (MIBK)	43	8.928	8.928	0.000	95	437585	50.0	48.6	
75 Toluene	91	9.035	9.035	0.000	98	839889	25.0	24.5	
76 trans-1,3-Dichloropropene	75	9.367	9.367	0.000	92	252736	25.0	24.9	
77 Ethyl methacrylate	69	9.402	9.403	-0.001	86	246453	25.0	25.8	
78 1,1,2-Trichloroethane	97	9.533	9.533	0.000	93	187639	25.0	26.9	
79 Tetrachloroethene	166	9.557	9.557	0.000	98	223716	25.0	22.7	
81 1,3-Dichloropropane	76	9.699	9.699	0.000	88	316847	25.0	27.0	
82 2-Hexanone	43	9.758	9.759	-0.001	95	343326	50.0	55.0	
84 Chlorodibromomethane	129	9.877	9.877	0.000	90	197348	25.0	24.4	
85 Ethylene Dibromide	107	9.984	9.984	0.000	98	201466	25.0	26.3	
87 Chlorobenzene	112	10.410	10.411	-0.001	96	566031	25.0	24.5	
88 Ethylbenzene	106	10.482	10.482	0.000	98	304695	25.0	24.0	
89 1,1,1,2-Tetrachloroethane	131	10.493	10.494	-0.001	95	184490	25.0	23.8	
90 m-Xylene & p-Xylene	106	10.588	10.589	-0.001	100	375988	25.0	24.2	
92 o-Xylene	106	10.944	10.944	0.000	97	359896	25.0	24.0	
93 Styrene	104	10.968	10.968	0.000	94	586327	25.0	24.3	
94 Bromoform	173	11.146	11.146	0.000	97	132324	25.0	21.7	
95 Isopropylbenzene	105	11.252	11.241	0.011	95	944457	25.0	26.1	
97 Bromobenzene	156	11.537	11.537	0.000	89	239515	25.0	24.7	
98 1,1,2,2-Tetrachloroethane	83	11.573	11.573	0.000	95	271793	25.0	26.3	
99 N-Propylbenzene	120	11.596	11.597	-0.001	99	264059	25.0	24.3	
100 1,2,3-Trichloropropane	110	11.620	11.608	0.012	86	100433	25.0	27.4	
101 trans-1,4-Dichloro-2-butene	53	11.620	11.620	0.000	77	56025	25.0	18.8	
102 2-Chlorotoluene	126	11.691	11.692	-0.001	97	225243	25.0	24.2	
103 1,3,5-Trimethylbenzene	105	11.750	11.751	-0.001	95	767859	25.0	25.0	
104 4-Chlorotoluene	126	11.786	11.786	0.000	97	233590	25.0	24.4	
105 tert-Butylbenzene	119	11.999	12.000	-0.001	92	673889	25.0	23.8	
107 1,2,4-Trimethylbenzene	105	12.059	12.059	0.000	97	780675	25.0	24.9	
108 sec-Butylbenzene	105	12.189	12.190	-0.001	94	980892	25.0	24.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
109 4-Isopropyltoluene	119	12.308	12.296	0.012	97	824546	25.0	23.4	
110 1,3-Dichlorobenzene	146	12.308	12.308	0.000	98	448200	25.0	24.4	
111 1,4-Dichlorobenzene	146	12.391	12.391	0.000	95	447243	25.0	24.2	
114 n-Butylbenzene	91	12.628	12.628	0.000	98	723997	25.0	24.8	
115 1,2-Dichlorobenzene	146	12.699	12.699	0.000	99	424638	25.0	24.6	
116 1,2-Dibromo-3-Chloropropane	157	13.339	13.340	-0.001	90	76721	25.0	23.0	
118 1,2,4-Trichlorobenzene	180	13.956	13.957	0.000	95	257566	25.0	23.7	
119 Hexachlorobutadiene	225	14.039	14.040	-0.001	98	106619	25.0	21.7	
121 Naphthalene	128	14.158	14.158	0.000	97	862540	25.0	25.8	
122 1,2,3-Trichlorobenzene	180	14.347	14.348	-0.001	96	240423	25.0	23.5	
S 127 Trihalomethanes, Total	1				0		100.0	96.6	
S 126 Total BTEX	1				0		125.0	122.7	
S 130 Xylenes, Total	106				0		50.0	48.3	

QC Flag Legend

Processing Flags

Reagents:

VMFASGW_00634	Amount Added: 20.00	Units: uL		
VMFASPW_00608	Amount Added: 20.00	Units: uL		
VMFASAW_00573	Amount Added: 20.00	Units: uL		
vm25UX18SS_00017	Amount Added: 5.00	Units: uL	Run Reagent	
vm40ml_vials_00077	Amount Added: 0.00	Units:	Run Reagent	
vmDist_H2o_00279	Amount Added: 0.00	Units:	Run Reagent	
VMUX11IS_00001	Amount Added: 5.00	Units: uL	Run Reagent	

Report Date: 04-Aug-2025 13:51:05 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-034.D

Injection Date: 02-Aug-2025 22:19:39 Instrument ID: A3UX22 Operator ID:

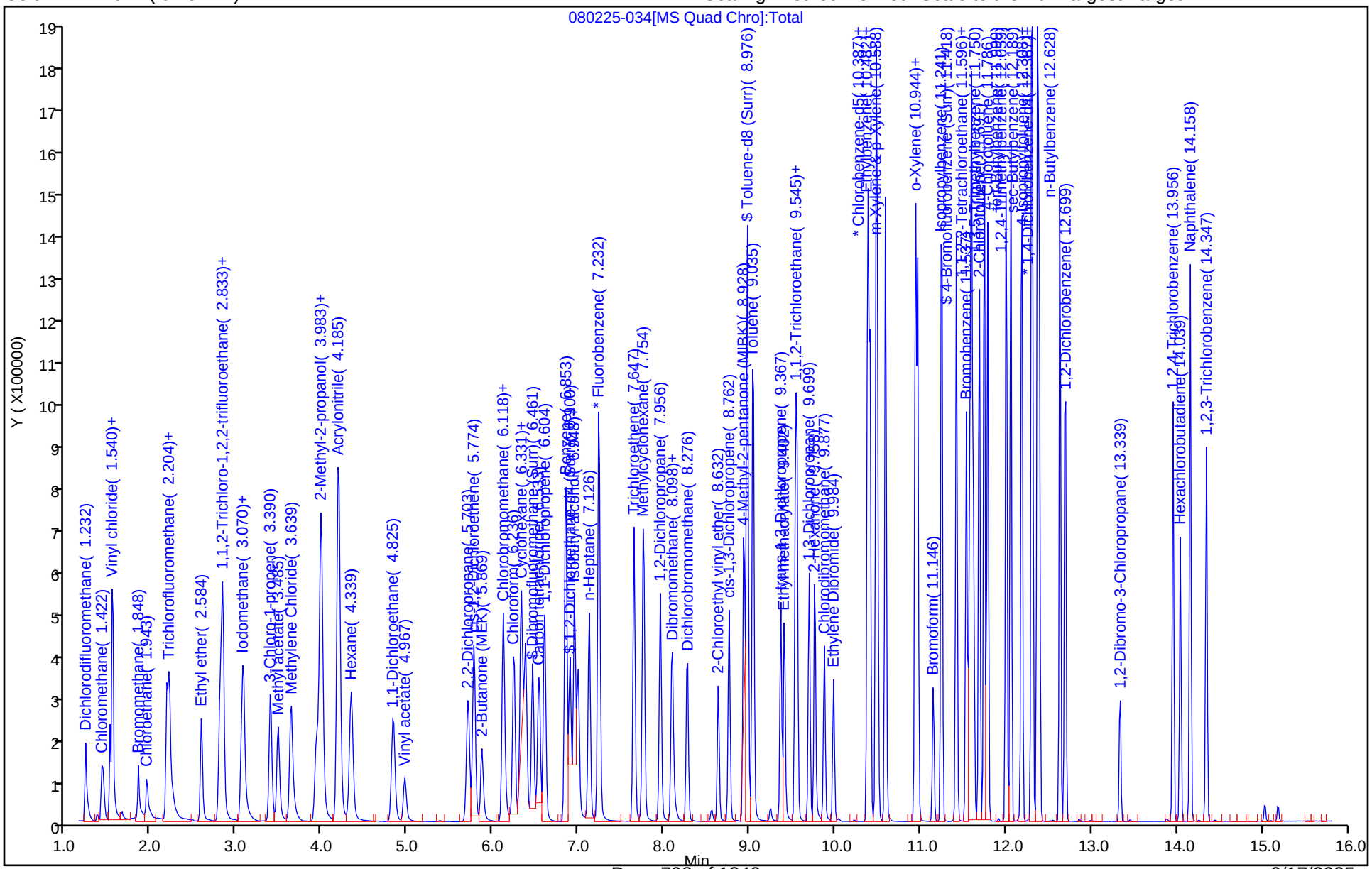
Lims ID: LCS Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 33

Method: 8260_22 Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-034.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 02-Aug-2025 22:19:39 ALS Bottle#: 33 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 240-0157588-003
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:44:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	23.4	93.50
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	23.7	94.90
$ 6 Toluene-d8 (Surr)	25.0	25.7	102.98
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.2	104.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-666364/5

Matrix: Water | Lab File ID: 250805-003.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/05/2025 09:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666364 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX27

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	128		10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	25.2		10	1.5
67-64-1	Acetone	51.9		10	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		78-122
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-003.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 05-Aug-2025 09:20:14 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 240-0157638-005
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:02:01 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: R5XG Date: 05-Aug-2025 10:27:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.696	0.000	99	1101763	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.649	10.649	0.000	86	818426	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	92	470108	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	96	307386	25.0	24.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.364	0.012	98	350524	25.0	24.7	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	92	1149287	25.0	25.6	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	86	401107	25.0	25.8	
10 Dichlorodifluoromethane	85	2.146	2.146	0.000	99	212632	25.0	17.1	
12 Chloromethane	50	2.395	2.395	0.000	99	236977	25.0	18.7	
14 Vinyl chloride	62	2.585	2.573	0.012	98	277330	25.0	22.4	
13 Butadiene	54	2.644	2.644	0.000	98	263434	25.0	24.0	
15 Bromomethane	94	3.071	3.071	0.000	90	207596	25.0	20.8	
16 Chloroethane	64	3.273	3.272	0.001	100	196182	25.0	22.5	
17 Dichlorofluoromethane	67	3.640	3.640	0.000	97	164275	25.0	18.5	
18 Trichlorofluoromethane	101	3.664	3.664	0.000	97	237916	25.0	22.6	
19 Ethyl ether	59	4.103	4.103	0.000	92	284882	25.0	26.5	
20 Acrolein	56	4.292	4.292	0.000	99	110340	125.0	127.6	
21 1,1-Dichloroethene	96	4.423	4.411	0.012	97	297250	25.0	28.0	
23 1,1,2-Trichloro-1,2,2-trifluoroe	151	4.447	4.446	0.001	90	248051	25.0	31.3	
24 Acetone	43	4.482	4.482	0.000	100	285507	50.0	51.9	
25 Iodomethane	142	4.613	4.601	0.012	98	520209	25.0	28.0	
26 Carbon disulfide	76	4.696	4.684	0.012	99	824335	25.0	29.4	
29 Methyl acetate	43	4.909	4.897	0.012	95	619069	50.0	45.3	
28 3-Chloro-1-propene	76	4.909	4.909	0.000	84	189208	25.0	28.0	
30 Methylene Chloride	84	5.075	5.075	0.000	90	331568	25.0	26.3	
31 2-Methyl-2-propanol	59	5.217	5.217	0.000	97	393203	250.0	245.4	
32 Acrylonitrile	53	5.360	5.360	0.000	99	1660642	250.0	261.9	
34 Methyl tert-butyl ether	73	5.395	5.395	0.000	95	670962	25.0	27.3	
33 trans-1,2-Dichloroethene	96	5.395	5.395	0.000	90	381752	25.0	26.4	
35 Hexane	86	5.727	5.727	0.000	92	93652	25.0	29.8	
36 1,1-Dichloroethane	63	5.905	5.905	0.000	96	646228	25.0	27.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	5.917	5.917	0.000	97	693499	25.0	34.3	
43 2-Butanone (MEK)	72	6.510	6.510	0.000	100	117348	50.0	49.5	
41 cis-1,2-Dichloroethene	96	6.522	6.522	0.000	79	409617	25.0	25.9	
42 2,2-Dichloropropane	97	6.534	6.522	0.012	86	77710	25.0	27.3	
46 Chlorobromomethane	128	6.771	6.771	0.000	89	220384	25.0	26.1	
49 Tetrahydrofuran	42	6.783	6.783	0.000	86	255341	50.0	47.1	
48 Chloroform	83	6.866	6.866	0.000	93	655775	25.0	25.5	
50 1,1,1-Trichloroethane	97	7.044	7.043	0.001	98	479777	25.0	27.3	
51 Cyclohexane	56	7.115	7.115	0.000	88	479587	25.0	28.2	
53 1,1-Dichloropropene	75	7.198	7.198	0.000	96	481145	25.0	26.3	
52 Carbon tetrachloride	117	7.198	7.198	0.000	91	469547	25.0	26.5	
54 Isobutyl alcohol	41	7.281	7.269	0.012	93	367909	625.0	627.0	
55 Benzene	78	7.399	7.399	0.000	96	1469611	25.0	26.4	
56 1,2-Dichloroethane	62	7.447	7.447	0.000	98	519214	25.0	25.5	
58 n-Heptane	100	7.684	7.684	0.000	88	104412	25.0	27.4	
60 Trichloroethene	130	8.087	8.087	0.000	95	440601	25.0	25.8	
62 Methylcyclohexane	83	8.360	8.360	0.000	90	538555	25.0	27.2	
63 1,2-Dichloropropane	63	8.384	8.384	0.000	96	376255	25.0	27.1	
66 1,4-Dioxane	88	8.455	8.455	0.000	91	102377	500.0	510.2	
64 Dibromomethane	93	8.490	8.490	0.000	91	253744	25.0	25.8	
67 Dichlorobromomethane	83	8.668	8.668	0.000	99	480481	25.0	26.3	
69 2-Chloroethyl vinyl ether	63	8.953	8.941	0.012	93	242754	25.0	25.0	
70 cis-1,3-Dichloropropene	75	9.119	9.119	0.000	96	541561	25.0	25.2	
71 4-Methyl-2-pentanone (MIBK)	43	9.249	9.249	0.000	96	742124	50.0	50.7	
72 Toluene	91	9.451	9.451	0.000	98	1562933	25.0	26.3	
73 trans-1,3-Dichloropropene	75	9.653	9.652	0.001	96	538485	25.0	27.7	
74 Ethyl methacrylate	69	9.676	9.676	0.000	88	446980	25.0	24.1	
75 1,1,2-Trichloroethane	97	9.830	9.830	0.000	92	357267	25.0	25.8	
76 Tetrachloroethene	164	9.925	9.925	0.000	97	374260	25.0	27.4	
77 1,3-Dichloropropane	76	9.985	9.973	0.012	88	618126	25.0	26.5	
78 2-Hexanone	43	10.008	10.008	0.000	95	535114	50.0	53.7	
80 Chlorodibromomethane	129	10.174	10.174	0.000	90	417071	25.0	27.1	
82 Ethylene Dibromide	107	10.281	10.281	0.000	99	374177	25.0	26.0	
84 Chlorobenzene	112	10.672	10.672	0.000	97	1072394	25.0	26.3	
86 Ethylbenzene	106	10.744	10.743	0.001	98	548723	25.0	26.5	
85 1,1,1,2-Tetrachloroethane	131	10.744	10.743	0.001	45	389035	25.0	26.7	
87 m-Xylene & p-Xylene	106	10.850	10.850	0.000	97	687348	25.0	27.3	
89 o-Xylene	106	11.147	11.147	0.000	96	666865	25.0	27.6	
88 Styrene	104	11.159	11.158	0.001	94	1072342	25.0	27.1	
90 Bromoform	173	11.313	11.313	0.000	99	320327	25.0	26.7	
91 Isopropylbenzene	105	11.408	11.407	0.001	96	1619265	25.0	30.1	
94 1,1,2,2-Tetrachloroethane	83	11.621	11.621	0.000	95	487059	25.0	26.5	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.000	75	143794	25.0	25.2	
95 Bromobenzene	156	11.657	11.657	0.001	91	515616	25.0	26.9	
96 1,2,3-Trichloropropane	110	11.680	11.680	0.000	79	171403	25.0	25.5	
98 N-Propylbenzene	120	11.704	11.704	0.000	98	495194	25.0	27.8	
99 2-Chlorotoluene	126	11.787	11.787	0.000	98	443616	25.0	27.7	
100 1,3,5-Trimethylbenzene	105	11.823	11.823	0.000	95	1386565	25.0	28.7	
101 4-Chlorotoluene	126	11.870	11.870	0.000	96	469964	25.0	27.5	
103 tert-Butylbenzene	119	12.048	12.048	0.000	90	1250503	25.0	27.4	
104 1,2,4-Trimethylbenzene	105	12.084	12.083	0.001	95	1424935	25.0	28.5	
105 sec-Butylbenzene	105	12.190	12.190	0.000	94	1713708	25.0	28.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.285	12.285	0.000	97	1504767	25.0	28.3	
106 1,3-Dichlorobenzene	146	12.297	12.297	0.000	92	937205	25.0	27.0	
108 1,4-Dichlorobenzene	146	12.356	12.356	0.000	95	948020	25.0	26.9	
111 n-Butylbenzene	91	12.546	12.546	0.000	97	1297735	25.0	28.0	
112 1,2-Dichlorobenzene	146	12.593	12.593	0.000	99	883151	25.0	26.9	
114 1,2-Dibromo-3-Chloropropane	157	13.080	13.080	0.000	93	115675	25.0	25.4	
116 1,2,4-Trichlorobenzene	180	13.590	13.589	0.001	94	618467	25.0	27.5	
117 Hexachlorobutadiene	225	13.673	13.672	0.001	94	356559	25.0	28.5	
118 Naphthalene	128	13.779	13.779	0.000	96	1340314	25.0	26.6	
119 1,2,3-Trichlorobenzene	180	13.922	13.922	0.000	95	585771	25.0	27.0	
S 128 Trihalomethanes, Total	1				0		100.0	105.6	
S 129 Total BTEX	1				0		125.0	134.2	
S 132 Xylenes, Total	106				0		50.0	54.9	

QC Flag Legend

Processing Flags

Reagents:

VMFASAW_00574	Amount Added: 20.00	Units: uL		
VMFASPW_00608	Amount Added: 20.00	Units: uL		
VMFASGW_00634	Amount Added: 20.00	Units: uL		
vmUX27IS_00002	Amount Added: 10.00	Units: uL	Run Reagent	
vmUX27-SS_00002	Amount Added: 10.00	Units: uL	Run Reagent	
vm40ml_vials_00076	Amount Added: 0.00	Units:	Run Reagent	
vmDist_H2o_00278	Amount Added: 0.00	Units:	Run Reagent	

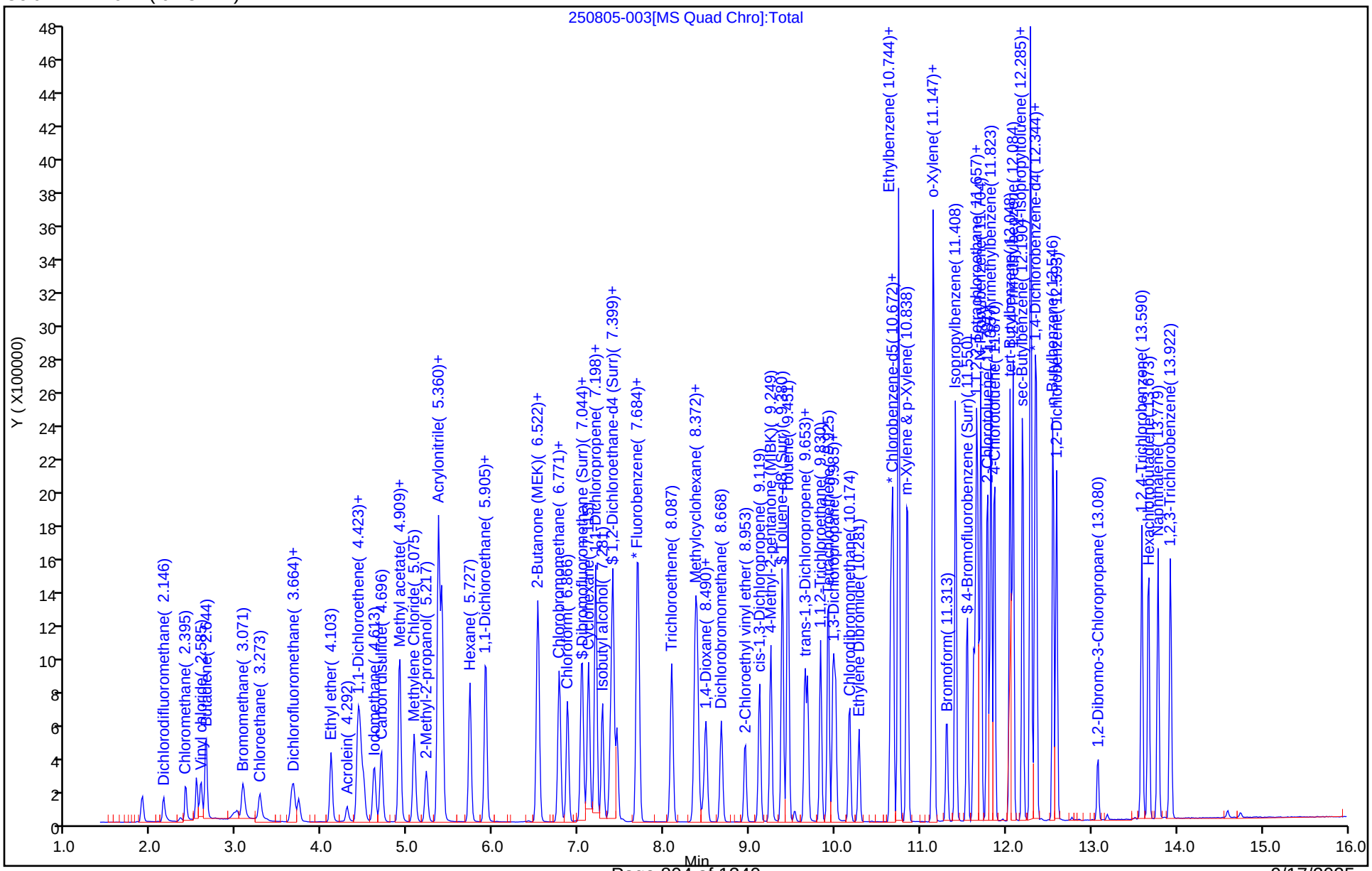
Report Date: 06-Aug-2025 08:02:03 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-003.D

Injection Date:	05-Aug-2025 09:20:14	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-003.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 05-Aug-2025 09:20:14 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 240-0157638-005
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 06-Aug-2025 08:02:01 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1660

First Level Reviewer: R5XG Date: 05-Aug-2025 10:27:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	24.8	99.06
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.7	98.69
$ 6 Toluene-d8 (Surr)	25.0	25.6	102.53
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.8	103.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A MS | Lab Sample ID: 240-229857-4 MS

Matrix: Water | Lab File ID: 250805-027.D

Analysis Method: 8260D | Date Collected: 07/30/2025 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/05/2025 18:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666364 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX27

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	128		10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	19.8		10	1.5
67-64-1	Acetone	47.6		10	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		78-122
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-027.D
Lims ID: 240-229857-A-4 MS
Client ID: 16WC1A
Sample Type: MS
Inject. Date: 05-Aug-2025 18:49:34 ALS Bottle#: 27 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-A-4 MS
Misc. Info.: 240-0157638-029
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 08-Sep-2025 11:59:12 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 08:00:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.696	7.696	0.000	99	1064120	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.649	10.649	0.000	85	834774	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.345	12.344	0.001	92	479754	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.032	7.032	0.000	96	297697	25.0	24.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.376	7.364	0.012	97	341326	25.0	24.9	
$ 6 Toluene-d8 (Surr)	98	9.380	9.380	0.000	92	1094603	25.0	23.9	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	86	386014	25.0	24.4	
20 Acrolein	56	4.293	4.292	0.001	98	107195	125.0	128.4	
97 trans-1,4-Dichloro-2-butene	53	11.645	11.645	0.000	71	115306	25.0	19.8	
24 Acetone	43	4.482	4.482	0.000	100	254442	50.0	47.6	a

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

VMFASA9W_00513	Amount Added: 20.00	Units: uL	
VMFASGW_00634	Amount Added: 20.00	Units: uL	
VMFASPW_00608	Amount Added: 20.00	Units: uL	
VMFASAW_00574	Amount Added: 20.00	Units: uL	
vmUX27IS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vmUX27-SS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added: 0.00	Units:	Run Reagent

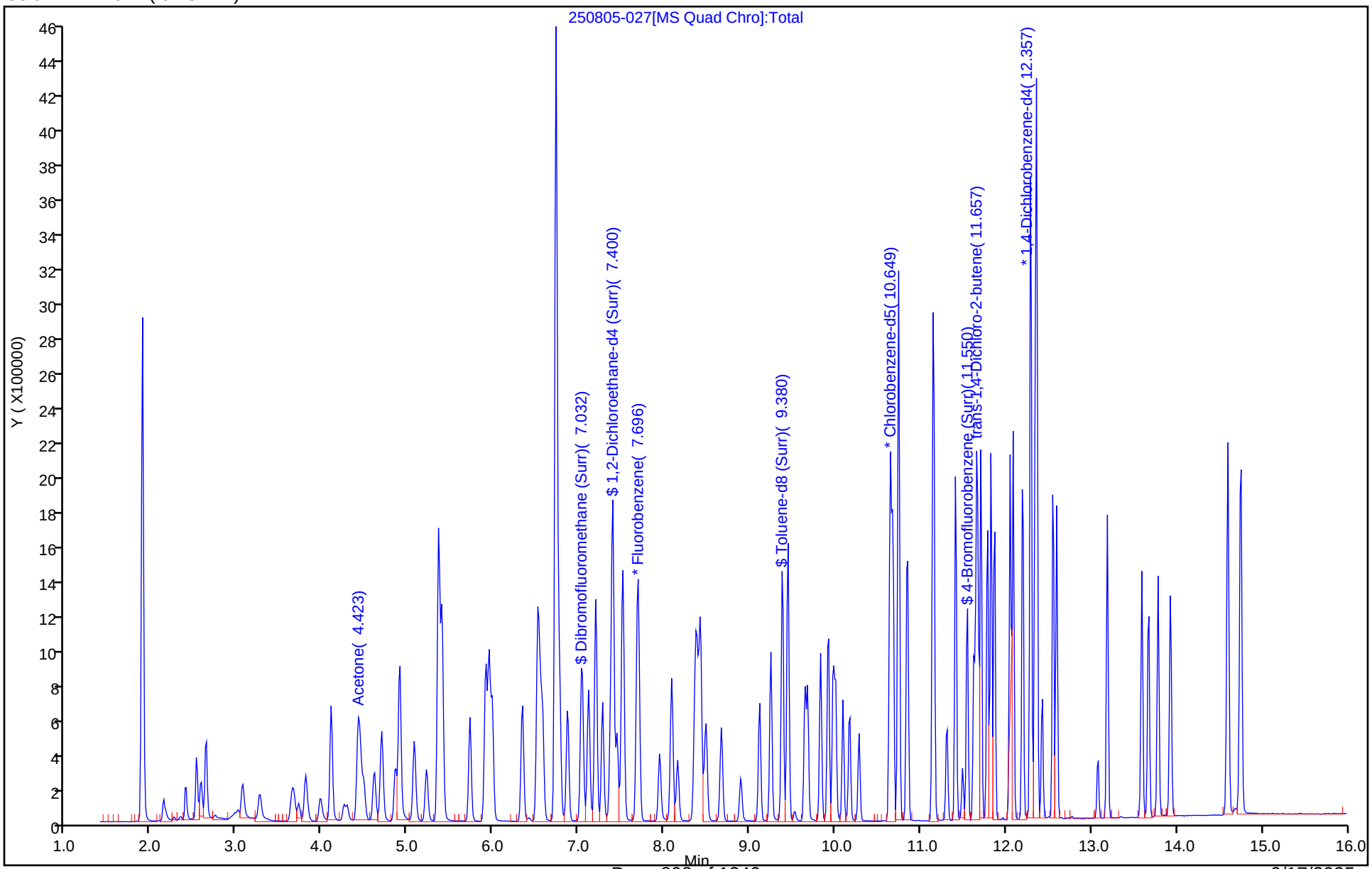
Report Date: 08-Sep-2025 11:59:12 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-027.D

Injection Date:	05-Aug-2025 18:49:34	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	240-229857-A-4 MS			Worklist Smp#:	29
Client ID:	16WC1A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-027.D
Lims ID: 240-229857-A-4 MS
Client ID: 16WC1A
Sample Type: MS
Inject. Date: 05-Aug-2025 18:49:34 ALS Bottle#: 27 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-A-4 MS
Misc. Info.: 240-0157638-029
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 08-Sep-2025 11:59:12 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 08:00:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	24.8	99.33
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.9	99.50
$ 6 Toluene-d8 (Surr)	25.0	23.9	95.74
$ 7 4-Bromofluorobenzene (Surr)	25.0	24.4	97.43

Manual Integration/User Assign Peak Report

Eurofins Cleveland

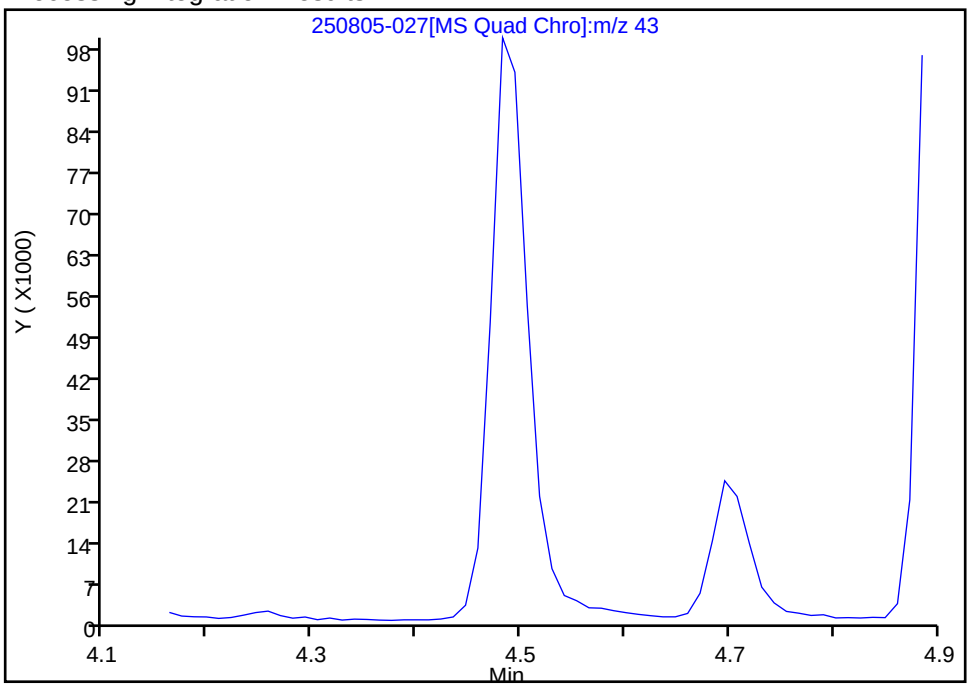
Data File:	\\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-027.D		
Injection Date:	05-Aug-2025 18:49:34	Instrument ID:	A3UX27
Lims ID:	240-229857-A-4 MS		
Client ID:	16WC1A		
Operator ID:		ALS Bottle#:	27 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_27	Limit Group:	MSV 8260C ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

24 Acetone, CAS: 67-64-1

Signal: 1

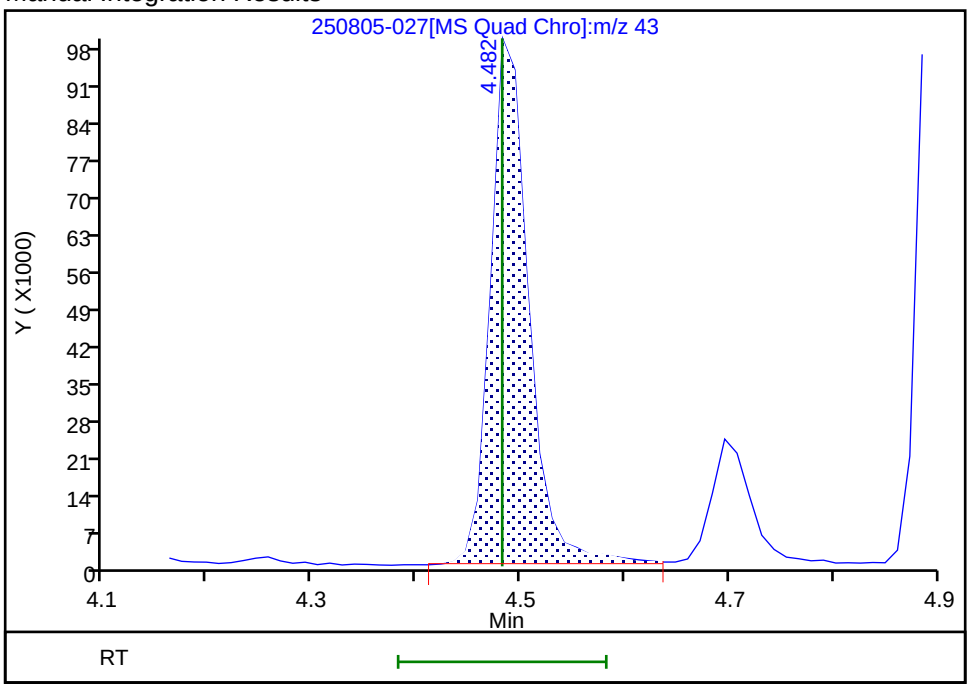
Not Detected
Expected RT: 4.48

Processing Integration Results



Manual Integration Results

RT: 4.48
Area: 254442
Amount: 47.629677
Amount Units: ug/l



Reviewer: X1KD, 08-Sep-2025 11:59:09 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 240-229830-B-16 MS

Matrix: Water | Lab File ID: 080225-060.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/03/2025 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666167 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX22

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		78-122
1868-53-7	Dibromofluoromethane (Surr)	89		73-120
460-00-4	4-Bromofluorobenzene (Surr)	106		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-060.D
Lims ID: 240-229830-B-16 MS
Client ID: GOS-ASM17-60001
Sample Type: MS
Inject. Date: 03-Aug-2025 08:29:44 ALS Bottle#: 59 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229830-B-16 MS
Misc. Info.: 240-0157588-029
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:50:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.232	7.233	-0.001	99	1028260	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	86	767690	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	96	439603	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	253069	25.0	22.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.900	6.901	-0.001	0	276156	25.0	22.5	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	925154	25.0	25.3	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.419	0.000	89	406178	25.0	26.4	
56 Benzene	78	6.853	6.853	0.000	94	753134	25.0	22.5	
75 Toluene	91	9.035	9.035	0.000	99	725144	25.0	20.5	
88 Ethylbenzene	106	10.482	10.482	0.000	98	250167	25.0	19.1	
90 m-Xylene & p-Xylene	106	10.588	10.589	-0.001	99	305392		19.0	
92 o-Xylene	106	10.944	10.944	0.000	97	301877		19.5	
S 130 Xylenes, Total	106				0		50.0	38.6	

QC Flag Legend
Processing Flags

Reagents:

VMFASPW_00608	Amount Added: 20.00	Units: uL	
VMFASAW_00573	Amount Added: 20.00	Units: uL	
VMFASA9W_00512	Amount Added: 20.00	Units: uL	
VMFASGW_00634	Amount Added: 20.00	Units: uL	
vm25UX18SS_00017	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added: 0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added: 5.00	Units: uL	Run Reagent

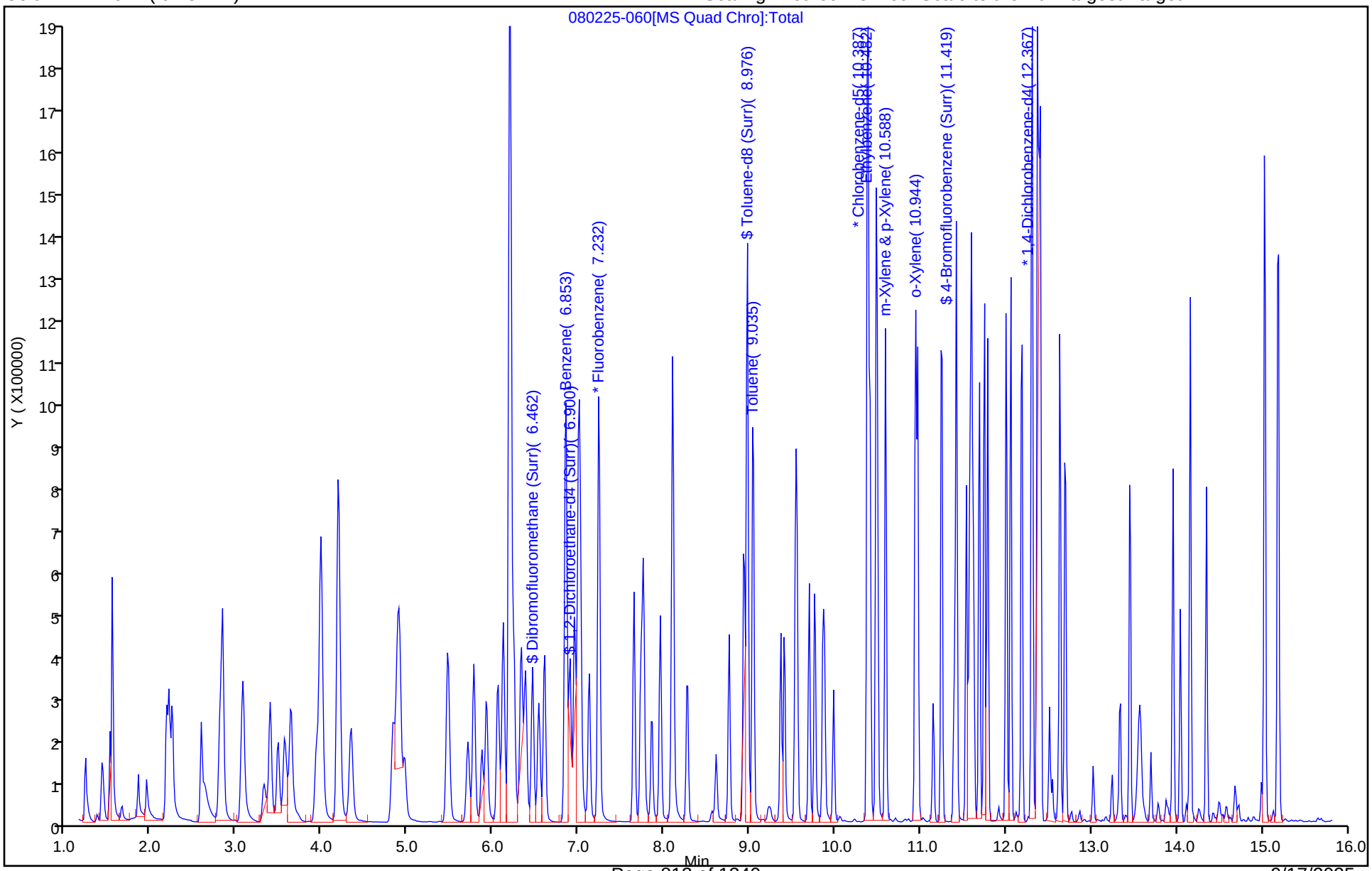
Report Date: 04-Aug-2025 13:51:56 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-060.D

Injection Date:	03-Aug-2025 08:29:44	Instrument ID:	A3UX22	Operator ID:	
Lims ID:	240-229830-B-16 MS			Worklist Smp#:	29
Client ID:	GOS-ASM17-60001				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	59
Method:	8260_22	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-060.D
Lims ID: 240-229830-B-16 MS
Client ID: GOS-ASM17-60001
Sample Type: MS
Inject. Date: 03-Aug-2025 08:29:44 ALS Bottle#: 59 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229830-B-16 MS
Misc. Info.: 240-0157588-029
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:50:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	22.2	88.85
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	22.5	90.14
$ 6 Toluene-d8 (Surr)	25.0	25.3	101.13
$ 7 4-Bromofluorobenzene (Surr)	25.0	26.4	105.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A MSD | Lab Sample ID: 240-229857-4 MSD

Matrix: Water | Lab File ID: 250805-028.D

Analysis Method: 8260D | Date Collected: 07/30/2025 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/05/2025 19:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666364 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX27

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-02-8	Acrolein	135		10	2.1
110-57-6	trans-1,4-Dichloro-2-butene	20.5		10	1.5
67-64-1	Acetone	47.9		10	5.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	93		78-122
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-028.D
Lims ID: 240-229857-A-4 MSD
Client ID: 16WC1A
Sample Type: MSD
Inject. Date: 05-Aug-2025 19:13:23 ALS Bottle#: 28 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-A-4 MSD
Misc. Info.: 240-0157638-030
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 08-Sep-2025 12:00:05 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 08:01:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.707	7.696	0.011	99	1117705	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.660	10.649	0.011	84	871558	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.344	12.344	0.000	92	496856	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	113	7.031	7.032	-0.001	95	299470	25.0	23.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	7.375	7.364	0.011	98	340537	25.0	23.6	
$ 6 Toluene-d8 (Surr)	98	9.379	9.380	-0.001	93	1114541	25.0	23.3	
$ 7 4-Bromofluorobenzene (Surr)	95	11.550	11.550	0.000	86	386967	25.0	23.4	
20 Acrolein	56	4.292	4.292	0.000	98	118200	125.0	134.7	
97 trans-1,4-Dichloro-2-butene	53	11.644	11.645	-0.001	76	123161	25.0	20.5	
24 Acetone	43	4.482	4.482	0.000	100	268803	50.0	47.9	a

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

VMFASA9W_00513	Amount Added: 20.00	Units: uL	
VMFASGW_00634	Amount Added: 20.00	Units: uL	
VMFASPW_00608	Amount Added: 20.00	Units: uL	
VMFASAW_00574	Amount Added: 20.00	Units: uL	
vmUX27IS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vmUX27-SS_00002	Amount Added: 10.00	Units: uL	Run Reagent
vm40ml_vials_00076	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00278	Amount Added: 0.00	Units:	Run Reagent

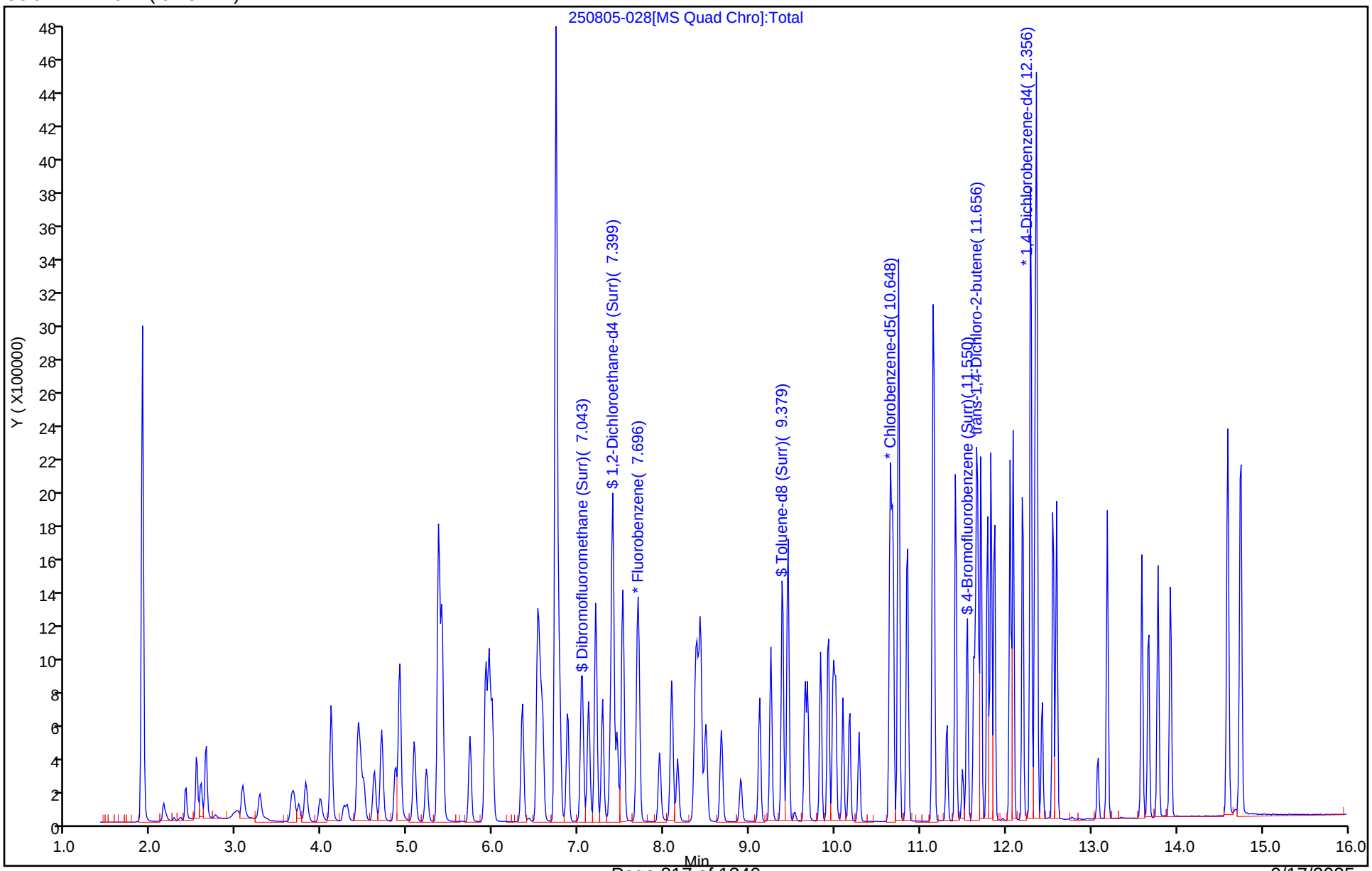
Report Date: 08-Sep-2025 12:00:05 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-028.D

Injection Date:	05-Aug-2025 19:13:23	Instrument ID:	A3UX27	Operator ID:	
Lims ID:	240-229857-A-4 MSD			Worklist Smp#:	30
Client ID:	16WC1A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8260_27	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



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Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-028.D
Lims ID: 240-229857-A-4 MSD
Client ID: 16WC1A
Sample Type: MSD
Inject. Date: 05-Aug-2025 19:13:23 ALS Bottle#: 28 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229857-A-4 MSD
Misc. Info.: 240-0157638-030
Operator ID: Instrument ID: A3UX27

Method: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\8260_27.m
Limit Group: MSV 8260C ICAL
Last Update: 08-Sep-2025 12:00:05 Calib Date: 19-Jul-2025 00:03:51
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX27\20250718-157129.b\250718-224.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1615

First Level Reviewer: R5XG Date: 06-Aug-2025 08:01:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	23.8	95.14
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	23.6	94.51
$ 6 Toluene-d8 (Surr)	25.0	23.3	93.37
$ 7 4-Bromofluorobenzene (Surr)	25.0	23.4	93.55

Manual Integration/User Assign Peak Report

Eurofins Cleveland

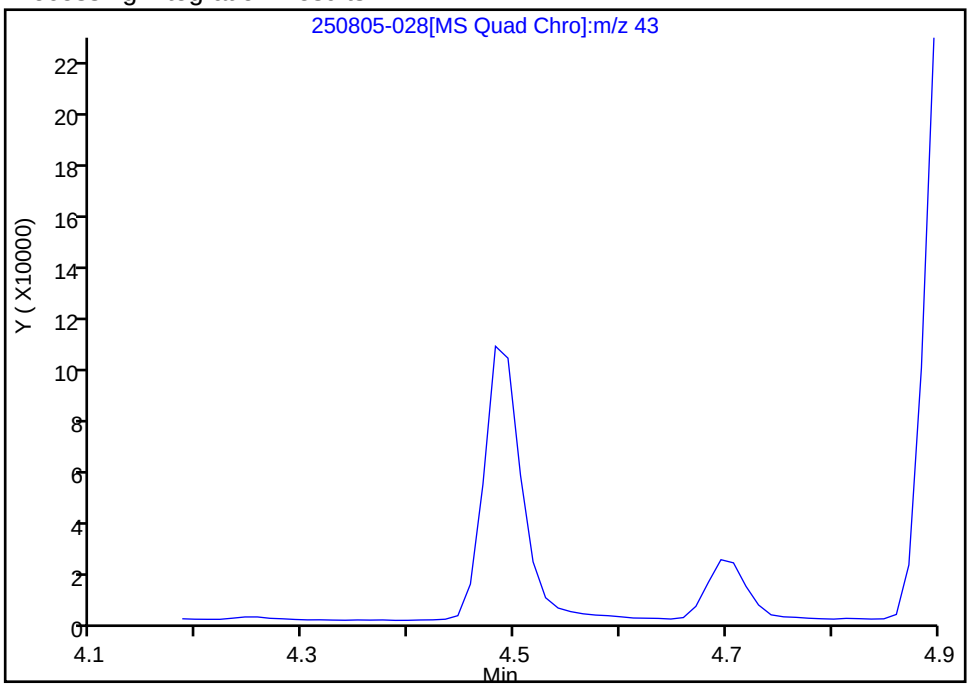
Data File: \\chromfs\Canton\ChromData\A3UX27\20250805-157638.b\250805-028.D
Injection Date: 05-Aug-2025 19:13:23 Instrument ID: A3UX27
Lims ID: 240-229857-A-4 MSD
Client ID: 16WC1A
Operator ID: ALS Bottle#: 28 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_27 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

24 Acetone, CAS: 67-64-1

Signal: 1

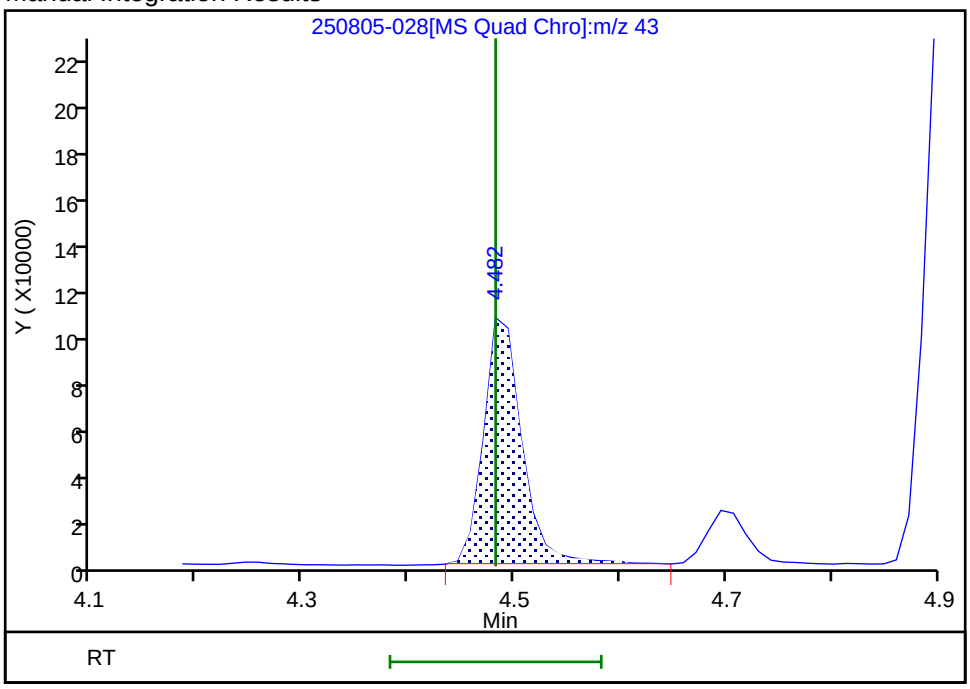
Not Detected
Expected RT: 4.48

Processing Integration Results



Manual Integration Results

RT: 4.48
Area: 268803
Amount: 47.923545
Amount Units: ug/l



Reviewer: X1KD, 08-Sep-2025 12:00:02 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: 240-229830-B-16 MSD

Matrix: Water | Lab File ID: 080225-059.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/03/2025 08:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 666167 | Units: ug/L

Preparation Batch No.: | Instrument ID: A3UX22

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		78-122
1868-53-7	Dibromofluoromethane (Surr)	89		73-120
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		62-137

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-059.D
Lims ID: 240-229830-B-16 MSD
Client ID: GOS-ASM17-60001
Sample Type: MSD
Inject. Date: 03-Aug-2025 08:06:16 ALS Bottle#: 58 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229830-B-16 MSD
Misc. Info.: 240-0157588-028
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:50:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.233	7.233	0.000	99	1021049	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.387	10.387	0.000	86	781622	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.367	12.367	0.000	96	441440	25.0	25.0	
$ 4 Dibromofluoromethane (Surr)	111	6.462	6.462	0.000	94	251040	25.0	22.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.901	6.901	0.000	0	281027	25.0	23.1	
$ 6 Toluene-d8 (Surr)	98	8.976	8.976	0.000	93	928406	25.0	24.9	
$ 7 4-Bromofluorobenzene (Surr)	95	11.419	11.419	0.000	90	401878	25.0	25.7	
56 Benzene	78	6.853	6.853	0.000	95	761148	25.0	22.9	
75 Toluene	91	9.035	9.035	0.000	98	736045	25.0	20.4	
88 Ethylbenzene	106	10.482	10.482	0.000	98	257832	25.0	19.3	
90 m-Xylene & p-Xylene	106	10.589	10.589	0.000	100	319285		19.6	
92 o-Xylene	106	10.944	10.944	0.000	96	317566		20.2	
S 130 Xylenes, Total	106				0		50.0	39.7	

QC Flag Legend

Processing Flags

Reagents:

VMFASGW_00634	Amount Added:	20.00	Units: uL	
VMFASPW_00608	Amount Added:	20.00	Units: uL	
VMFASAW_00573	Amount Added:	20.00	Units: uL	
VMFASA9W_00512	Amount Added:	20.00	Units: uL	
vm25UX18SS_00017	Amount Added:	5.00	Units: uL	Run Reagent
vm40ml_vials_00077	Amount Added:	0.00	Units:	Run Reagent
vmDist_H2o_00279	Amount Added:	0.00	Units:	Run Reagent
VMUX11IS_00001	Amount Added:	5.00	Units: uL	Run Reagent

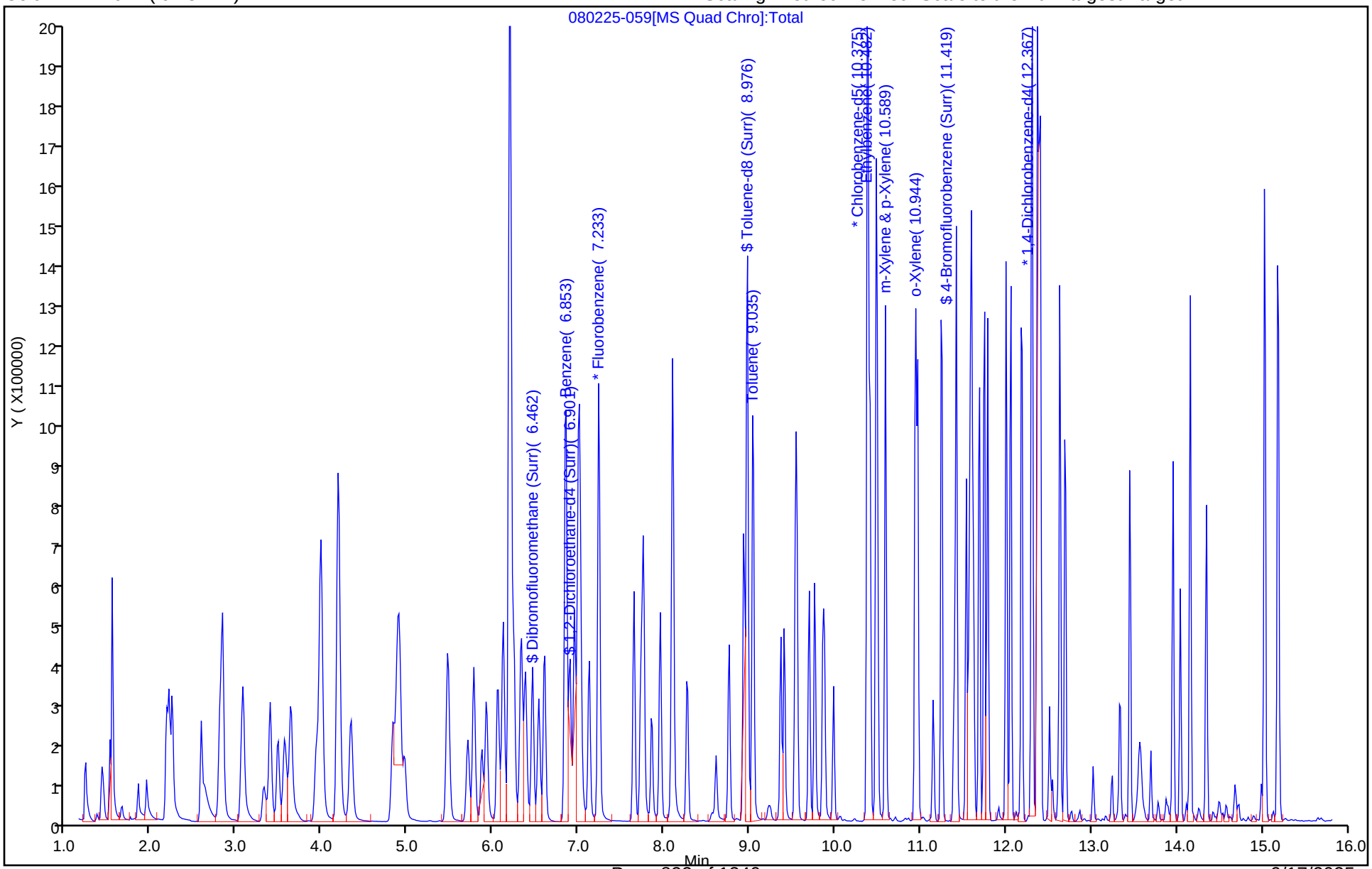
Report Date: 04-Aug-2025 13:51:54 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-059.D

Injection Date:	03-Aug-2025 08:06:16	Instrument ID:	A3UX22	Operator ID:	
Lims ID:	240-229830-B-16 MSD			Worklist Smp#:	28
Client ID:	GOS-ASM17-60001				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	58
Method:	8260_22	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\080225-059.D
Lims ID: 240-229830-B-16 MSD
Client ID: GOS-ASM17-60001
Sample Type: MSD
Inject. Date: 03-Aug-2025 08:06:16 ALS Bottle#: 58 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-229830-B-16 MSD
Misc. Info.: 240-0157588-028
Operator ID: Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20250802-157588.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 04-Aug-2025 13:51:03 Calib Date: 21-Jul-2025 20:50:46
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20250721-157172.b\072125-024.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: R5XG Date: 04-Aug-2025 13:50:20

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	25.0	22.2	88.76
$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	23.1	92.38
$ 6 Toluene-d8 (Surr)	25.0	24.9	99.68
$ 7 4-Bromofluorobenzene (Surr)	25.0	25.7	102.77

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A3UX27 Start Date: 07/18/2025 14:32

Analysis Batch Number: 664444 End Date: 07/19/2025 02:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-664444/1		07/18/2025 14:32	1	BFBUX27071325-007.D	DB-624 0.18(mm)
IC 240-664444/4		07/18/2025 15:22	1	250718-202.D	DB-624 0.18(mm)
IC 240-664444/5		07/18/2025 15:45	1	250718-203.D	DB-624 0.18(mm)
IC 240-664444/6		07/18/2025 16:09	1	250718-204.D	DB-624 0.18(mm)
IC 240-664444/7		07/18/2025 16:33	1	250718-205.D	DB-624 0.18(mm)
IC 240-664444/8		07/18/2025 16:57	1	250718-206.D	DB-624 0.18(mm)
ICIS 240-664444/9		07/18/2025 17:20	1	250718-207.D	DB-624 0.18(mm)
IC 240-664444/10		07/18/2025 17:44	1	250718-208.D	DB-624 0.18(mm)
IC 240-664444/11		07/18/2025 18:08	1	250718-209.D	DB-624 0.18(mm)
IC 240-664444/12		07/18/2025 18:31	1	250718-210.D	DB-624 0.18(mm)
ICV 240-664444/14		07/18/2025 19:19	1	250718-212.D	DB-624 0.18(mm)
ZZZZZ (QC)		07/18/2025 19:43	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/18/2025 20:06	1		DB-624 0.18(mm)
ZZZZZ		07/18/2025 20:30	1		DB-624 0.18(mm)
IC 240-664444/18		07/18/2025 20:54	1		DB-624 0.18(mm)
IC 240-664444/19		07/18/2025 21:17	1		DB-624 0.18(mm)
IC 240-664444/20		07/18/2025 21:41	1		DB-624 0.18(mm)
IC 240-664444/21		07/18/2025 22:05	1		DB-624 0.18(mm)
IC 240-664444/22		07/18/2025 22:29	1		DB-624 0.18(mm)
IC 240-664444/23		07/18/2025 22:52	1		DB-624 0.18(mm)
IC 240-664444/24		07/18/2025 23:16	1		DB-624 0.18(mm)
IC 240-664444/25		07/18/2025 23:40	1		DB-624 0.18(mm)
IC 240-664444/26		07/19/2025 00:03	1		DB-624 0.18(mm)
ICV 240-664444/28		07/19/2025 00:51	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/19/2025 01:15	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/19/2025 01:38	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/19/2025 02:02	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A3UX22 Start Date: 07/21/2025 11:27

Analysis Batch Number: 664587 End Date: 07/21/2025 22:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-664587/1		07/21/2025 11:27	1	BFB072125-01.D	DB-624 0.18(mm)
IC 240-664587/4		07/21/2025 12:14	1	072125-002.D	DB-624 0.18(mm)
IC 240-664587/5		07/21/2025 12:37	1	072125-003.D	DB-624 0.18(mm)
IC 240-664587/6		07/21/2025 13:00	1	072125-004.D	DB-624 0.18(mm)
IC 240-664587/7		07/21/2025 13:24	1	072125-005.D	DB-624 0.18(mm)
IC 240-664587/8		07/21/2025 13:47	1	072125-006.D	DB-624 0.18(mm)
ICIS 240-664587/9		07/21/2025 14:11	1	072125-007.D	DB-624 0.18(mm)
IC 240-664587/10		07/21/2025 14:34	1	072125-008.D	DB-624 0.18(mm)
IC 240-664587/11		07/21/2025 14:58	1	072125-009.D	DB-624 0.18(mm)
IC 240-664587/12		07/21/2025 15:22	1	072125-010.D	DB-624 0.18(mm)
ICV 240-664587/14		07/21/2025 16:09	1	072125-012.D	DB-624 0.18(mm)
ZZZZZ (QC)		07/21/2025 16:32	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/21/2025 16:56	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/21/2025 17:19	1		DB-624 0.18(mm)
IC 240-664587/18		07/21/2025 17:42	1		DB-624 0.18(mm)
IC 240-664587/19		07/21/2025 18:06	1		DB-624 0.18(mm)
IC 240-664587/20		07/21/2025 18:30	1		DB-624 0.18(mm)
IC 240-664587/21		07/21/2025 18:53	1		DB-624 0.18(mm)
IC 240-664587/22		07/21/2025 19:17	1		DB-624 0.18(mm)
IC 240-664587/23		07/21/2025 19:40	1		DB-624 0.18(mm)
IC 240-664587/24		07/21/2025 20:03	1		DB-624 0.18(mm)
IC 240-664587/25		07/21/2025 20:27	1		DB-624 0.18(mm)
IC 240-664587/26		07/21/2025 20:50	1		DB-624 0.18(mm)
ICV 240-664587/28		07/21/2025 21:37	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/21/2025 22:01	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/21/2025 22:24	1		DB-624 0.18(mm)
ZZZZZ (QC)		07/21/2025 22:48	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A3UX22 Start Date: 08/02/2025 09:24

Analysis Batch Number: 666158 End Date: 08/02/2025 20:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-666158/1		08/02/2025 09:24	1	BFB072925-07.D	DB-624 0.18(mm)
CCVIS 240-666158/4		08/02/2025 10:12	1		DB-624 0.18(mm)
CCV 240-666158/5		08/02/2025 10:35	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 10:58	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 11:22	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 11:45	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 12:09	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 12:32	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 12:56	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 13:19	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 13:43	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 14:06	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 14:29	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 14:53	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 15:16	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 15:40	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 16:03	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 16:27	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 16:50	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 17:14	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 17:37	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 18:01	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 18:24	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 18:48	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 19:11	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 19:35	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/02/2025 19:58	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 20:22	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 20:45	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A3UX22 Start Date: 08/02/2025 21:32

Analysis Batch Number: 666167 End Date: 08/03/2025 08:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 240-666167/1		08/02/2025 21:32	1	080225-032.D	DB-624 0.18(mm)
CCV 240-666167/2		08/02/2025 21:56	1	080225-033.D	DB-624 0.18(mm)
LCS 240-666167/3		08/02/2025 22:19	1	080225-034.D	DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 22:43	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 23:06	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/02/2025 23:29	1		DB-624 0.18(mm)
MB 240-666167/7		08/02/2025 23:53	1	080225-038.D	DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 00:16	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 00:40	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 01:03	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 01:27	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 01:50	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 02:14	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 02:37	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 03:01	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 03:24	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 03:48	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 04:11	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 04:35	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 04:58	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 05:22	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 05:45	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 06:09	1		DB-624 0.18(mm)
240-229857-1	16C1	08/03/2025 06:32	1	080225-055.D	DB-624 0.18(mm)
240-229857-2	16MW8	08/03/2025 06:55	1	080225-056.D	DB-624 0.18(mm)
240-229857-3	16MW9	08/03/2025 07:19	1	080225-057.D	DB-624 0.18(mm)
ZZZZZ (Client)		08/03/2025 07:42	1		DB-624 0.18(mm)
240-229830-B-16 MSD		08/03/2025 08:06	1	080225-059.D	DB-624 0.18(mm)
240-229830-B-16 MS		08/03/2025 08:29	1	080225-060.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A3UX27 Start Date: 08/05/2025 08:03

Analysis Batch Number: 666364 End Date: 08/05/2025 19:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-666364/1		08/05/2025 08:03	1	BFBUX27071325-018.D	DB-624 0.18(mm)
CCVIS 240-666364/3		08/05/2025 08:32	1	250805-001.D	DB-624 0.18(mm)
CCV 240-666364/4		08/05/2025 08:56	1	250805-002.D	DB-624 0.18(mm)
LCS 240-666364/5		08/05/2025 09:20	1	250805-003.D	DB-624 0.18(mm)
ZZZZZ (QC)		08/05/2025 09:44	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/05/2025 10:07	1		DB-624 0.18(mm)
ZZZZZ (QC)		08/05/2025 10:31	1		DB-624 0.18(mm)
MB 240-666364/9		08/05/2025 10:55	1	250805-007.D	DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 11:18	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 11:42	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 12:06	10		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 12:29	10		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 12:53	200		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 13:17	8		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 13:41	200		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 14:04	200		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 14:28	5		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 14:52	1		DB-624 0.18(mm)
240-229857-4	16WC1A	08/05/2025 15:16	1	250805-018.D	DB-624 0.18(mm)
240-229857-5	16WDUP	08/05/2025 15:39	1	250805-019.D	DB-624 0.18(mm)
240-229857-6	16WC1B	08/05/2025 16:03	1	250805-020.D	DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 16:27	5		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 16:50	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 17:14	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 17:38	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 18:02	1		DB-624 0.18(mm)
ZZZZZ (Client)		08/05/2025 18:25	1		DB-624 0.18(mm)
240-229857-4 MS	16WC1A MS	08/05/2025 18:49	1	250805-027.D	DB-624 0.18(mm)
240-229857-4 MSD	16WC1A MSD	08/05/2025 19:13	1	250805-028.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 664444 Batch Start Date: 07/18/25 14:32 Batch Analyst: Benes, Stephen

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	VMAROLISTDW 00604	vmbfb 00037	VMFASAW 00571	VMFASGW 00632
BFB 240-664444/1		8260D			5 mL	5 mL		1 uL		
IC 240-664444/4		8260D			5 mL	5 mL	0.4 uL			
IC 240-664444/5		8260D			5 mL	5 mL	0.8 uL			
IC 240-664444/6		8260D			5 mL	5 mL	2 uL			
IC 240-664444/7		8260D			5 mL	5 mL	5 uL			
IC 240-664444/8		8260D			5 mL	5 mL	10 uL			
ICIS 240-664444/9		8260D			5 mL	5 mL	20 uL			
IC 240-664444/10		8260D			5 mL	5 mL	40 uL			
IC 240-664444/11		8260D			5 mL	5 mL	60 uL			
IC 240-664444/12		8260D			5 mL	5 mL	80 uL			
ICV 240-664444/14		8260D			5 mL	5 mL			20 uL	20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VMFASPW 00606	VMRGAS 00588	VMRPRIMW 00647	vmUX27-SS 00001	vmUX27IS 00001	
BFB 240-664444/1		8260D								
IC 240-664444/4		8260D				0.4 uL	0.4 uL	10 uL	10 uL	
IC 240-664444/5		8260D				0.8 uL	0.8 uL	10 uL	10 uL	
IC 240-664444/6		8260D				2 uL	2 uL	10 uL	10 uL	
IC 240-664444/7		8260D				5 uL	5 uL	10 uL	10 uL	
IC 240-664444/8		8260D				10 uL	10 uL	10 uL	10 uL	
ICIS 240-664444/9		8260D				20 uL	20 uL	10 uL	10 uL	
IC 240-664444/10		8260D				40 uL	40 uL	10 uL	10 uL	
IC 240-664444/11		8260D				60 uL	60 uL	10 uL	10 uL	
IC 240-664444/12		8260D				80 uL	80 uL	10 uL	10 uL	
ICV 240-664444/14		8260D			20 uL			10 uL	10 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 664444 Batch Start Date: 07/18/25 14:32 Batch Analyst: Benes, Stephen

Batch Method: 8260D Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 664587 Batch Start Date: 07/21/25 11:27 Batch Analyst: Macenczak, Steven

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	vm25UX18SS 00017	VMAROLISTDW 00604	vmbfb 00037	VMFASAW 00572
BFB 240-664587/1		8260D			5 mL	5 mL	5 uL		1 uL	
IC 240-664587/4		8260D			5 mL	5 mL	5 uL	0.4 uL		
IC 240-664587/5		8260D			5 mL	5 mL	5 uL	0.8 uL		
IC 240-664587/6		8260D			5 mL	5 mL	5 uL	2 uL		
IC 240-664587/7		8260D			5 mL	5 mL	5 uL	5 uL		
IC 240-664587/8		8260D			5 mL	5 mL	5 uL	10 uL		
ICIS 240-664587/9		8260D			5 mL	5 mL	5 uL	20 uL		
IC 240-664587/10		8260D			5 mL	5 mL	5 uL	30 uL		
IC 240-664587/11		8260D			5 mL	5 mL	5 uL	40 uL		
IC 240-664587/12		8260D			5 mL	5 mL	5 uL	50 uL		
ICV 240-664587/14		8260D			5 mL	5 mL	5 uL			20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VMFASGW 00632	VMFASPW 00606	VMRGAS 00588	VMRPRIMW 00647	VMUX11IS 00001	
BFB 240-664587/1		8260D							5 uL	
IC 240-664587/4		8260D					0.4 uL	0.4 uL	5 uL	
IC 240-664587/5		8260D					0.8 uL	0.8 uL	5 uL	
IC 240-664587/6		8260D					2 uL	2 uL	5 uL	
IC 240-664587/7		8260D					5 uL	5 uL	5 uL	
IC 240-664587/8		8260D					10 uL	10 uL	5 uL	
ICIS 240-664587/9		8260D					20 uL	20 uL	5 uL	
IC 240-664587/10		8260D					30 uL	30 uL	5 uL	
IC 240-664587/11		8260D					40 uL	40 uL	5 uL	
IC 240-664587/12		8260D					50 uL	50 uL	5 uL	
ICV 240-664587/14		8260D			20 uL	20 uL			5 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 664587 Batch Start Date: 07/21/25 11:27 Batch Analyst: Macenczak, Steven

Batch Method: 8260D Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 666158 Batch Start Date: 08/02/25 09:24 Batch Analyst: Benes, Stephen

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	vm25UX18SS 00017	vmbfb 00037	VMUX11IS 00001	
BFB 240-666158/1		8260D			5 mL	5 mL	5 uL	1 uL	5 uL	

Batch Notes	
pH Indicator ID	HC459652

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 666167 Batch Start Date: 08/02/25 21:32 Batch Analyst: Benes, Stephen

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	vm25UX18SS 00017	VMAROLISTDW 00606	VMFASA9W 00512
CCVIS 240-666167/1		8260D			5 mL	5 mL		5 uL	20 uL	
CCV 240-666167/2		8260D			5 mL	5 mL				
LCS 240-666167/3		8260D			5 mL	5 mL		5 uL		
MB 240-666167/7		8260D			5 mL	5 mL		5 uL		
240-229857-B-1	16C1	8260D	Water	T	5 mL	5 mL	<2 SU	5 uL		
240-229857-C-2	16MW8	8260D	Water	T	5 mL	5 mL	<2 SU	5 uL		
240-229857-A-3	16MW9	8260D	Water	T	5 mL	5 mL	<2 SU	5 uL		
240-229830-B-16 MSD	GOS-ASM17-60001	8260D		T	5 mL	5 mL	<2 SU	5 uL		20 uL
240-229830-B-16 MS	GOS-ASM17-60001	8260D		T	5 mL	5 mL	<2 SU	5 uL		20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VMFASAW 00573	VMFASGW 00634	VMFASPW 00608	VMRA9W 00588	VMRGAS 00590	VMRPRIMW 00649
CCVIS 240-666167/1		8260D							20 uL	20 uL
CCV 240-666167/2		8260D						20 uL		
LCS 240-666167/3		8260D			20 uL	20 uL	20 uL			
MB 240-666167/7		8260D								
240-229857-B-1	16C1	8260D	Water	T						
240-229857-C-2	16MW8	8260D	Water	T						
240-229857-A-3	16MW9	8260D	Water	T						
240-229830-B-16 MSD	GOS-ASM17-60001	8260D		T	20 uL	20 uL	20 uL			
240-229830-B-16 MS	GOS-ASM17-60001	8260D		T	20 uL	20 uL	20 uL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VMUX11IS 00001
CCVIS 240-666167/1		8260D			5 uL
CCV 240-666167/2		8260D			5 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 666167 Batch Start Date: 08/02/25 21:32 Batch Analyst: Benes, Stephen

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VMUX11IS 00001					
LCS 240-666167/3		8260D			5 uL					
MB 240-666167/7		8260D			5 uL					
240-229857-B-1	16C1	8260D	Water	T	5 uL					
240-229857-C-2	16MW8	8260D	Water	T	5 uL					
240-229857-A-3	16MW9	8260D	Water	T	5 uL					
240-229830-B-16 MSD	GOS-ASM17-60001	8260D		T	5 uL					
240-229830-B-16 MS	GOS-ASM17-60001	8260D		T	5 uL					

Batch Notes	
pH Indicator ID	HC459652

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 666364 Batch Start Date: 08/05/25 08:03 Batch Analyst: Benes, Stephen

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	VMAROLISTDW 00606	vmbfb 00037	VMFASA9W 00513
BFB 240-666364/1		8260D			5 mL	5 mL			1 uL	
CCVIS 240-666364/3		8260D			5 mL	5 mL		20 uL		
CCV 240-666364/4		8260D			5 mL	5 mL				
LCS 240-666364/5		8260D			5 mL	5 mL				
MB 240-666364/9		8260D			5 mL	5 mL				
240-229857-B-4	16WC1A	8260D	Water	T	5 mL	5 mL	<2 SU			
240-229857-C-5	16WDUP	8260D	Water	T	5 mL	5 mL	<2 SU			
240-229857-C-6	16WC1B	8260D	Water	T	5 mL	5 mL	<2 SU			
240-229857-A-4 MS	16WC1A	8260D	Water	T	5 mL	5 mL	<2 SU			20 uL
240-229857-A-4 MSD	16WC1A	8260D	Water	T	5 mL	5 mL	<2 SU			20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VMFASAW 00574	VMFASGW 00634	VMFASPW 00608	VMRA9W 00589	VMRGAS 00590	VMRPRIMW 00649
BFB 240-666364/1		8260D								
CCVIS 240-666364/3		8260D							20 uL	20 uL
CCV 240-666364/4		8260D						20 uL		
LCS 240-666364/5		8260D			20 uL	20 uL	20 uL			
MB 240-666364/9		8260D								
240-229857-B-4	16WC1A	8260D	Water	T						
240-229857-C-5	16WDUP	8260D	Water	T						
240-229857-C-6	16WC1B	8260D	Water	T						
240-229857-A-4 MS	16WC1A	8260D	Water	T	20 uL	20 uL	20 uL			
240-229857-A-4 MSD	16WC1A	8260D	Water	T	20 uL	20 uL	20 uL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	vmUX27-SS 00002	vmUX27IS 00002				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 666364 Batch Start Date: 08/05/25 08:03 Batch Analyst: Benes, Stephen

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	vmUX27-SS 00002	vmUX27IS 00002				
BFB 240-666364/1		8260D								
CCVIS 240-666364/3		8260D			10 uL	10 uL				
CCV 240-666364/4		8260D				10 uL				
LCS 240-666364/5		8260D			10 uL	10 uL				
MB 240-666364/9		8260D			10 uL	10 uL				
240-229857-B-4	16WC1A	8260D	Water	T	10 uL	10 uL				
240-229857-C-5	16WDUP	8260D	Water	T	10 uL	10 uL				
240-229857-C-6	16WC1B	8260D	Water	T	10 uL	10 uL				
240-229857-A-4 MS	16WC1A	8260D	Water	T	10 uL	10 uL				
240-229857-A-4 MSD	16WC1A	8260D	Water	T	10 uL	10 uL				

Batch Notes	
pH Indicator ID	HC459652

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5SILMS/ ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
16C1	240-229857-1	91	61	82	83	71	99
16MW8	240-229857-2	101	69	76	79	80	94
16MW9	240-229857-3	89	57	80	81	79	96
16WC1A	240-229857-4	88	64	77	79	74	93
16WDUP	240-229857-5	111	77	82	85	82	95
16WC1B	240-229857-6	88	59	77	80	79	92
	MB 240-666059/1-A	72	61	79	84	80	99
	LCS 240-666059/2-A	102	62	92	89	94	93
	LCS 240-666059/3-A	59	27	79	79	88	92
16WC1A MS	240-229857-4 MS	102	70	80	81	88	87
16WC1A MSD	240-229857-4 MSD	123	78	83	80	84	89

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-127
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	40-120
FBP = 2-Fluorobiphenyl (Surr)	41-120
TBP = 2,4,6-Tribromophenol (Surr)	23-127
TPHL = Terphenyl-d14 (Surr)	43-136

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 250804009.D

Lab ID: LCS 240-666059/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	32.0	27.4	86	33-120	
2,4-Dinitrophenol	64.0	48.9	76	27-126	
3,3'-Dichlorobenzidine	64.0	60.1	94	39-150	
3-Nitroaniline	32.0	23.7	74	13-156	
4,6-Dinitro-2-methylphenol	64.0	57.2	89	45-130	
4-Chloroaniline	32.0	22.3	70	10-120	
4-Nitroaniline	32.0	30.1	94	44-156	
Acetophenone	32.0	28.7	90	52-120	
Aniline	32.0	13.5	42	27-120	
Benzyl alcohol	32.0	23.2	72	19-120	
Bis(2-chloroethoxy)methane	32.0	27.2	85	50-121	
Bis(2-chloroethyl)ether	32.0	26.0	81	47-120	
Butyl benzyl phthalate	32.0	29.1	91	48-140	
Di-n-butyl phthalate	32.0	31.0	97	56-138	
Hexachlorocyclopentadiene	32.0	22.7	71	10-120	
Hexachloroethane	32.0	25.4	79	39-120	
Isophorone	32.0	27.7	87	50-127	
N-Nitrosodi-n-propylamine	32.0	28.4	89	49-128	
N-Nitrosodiphenylamine	32.0	28.9	90	53-127	
Pyridine	64.0	13.6	21	10-120	
4-Nitrophenol	64.0	38.8	61	14-120	
2,4,5-Trichlorophenol	32.0	30.0	94	51-129	
2,4-Dichlorophenol	32.0	31.0	97	57-122	
4-Chloro-3-methylphenol	32.0	27.7	86	57-126	
2-Nitrophenol	32.0	30.3	95	53-127	
2,4,6-Trichlorophenol	32.0	30.0	94	51-128	
2-Methylphenol	32.0	26.4	83	47-120	
2,6-Dichlorophenol	32.0	29.3	91	56-120	
2-Chlorophenol	32.0	30.9	97	57-120	
Phenol	32.0	19.8	62	10-120	
2,3,4,6-Tetrachlorophenol	32.0	29.7	93	46-137	
3 & 4 Methylphenol	32.0	25.3	79	41-120	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 250804010.D

Lab ID: LCS 240-666059/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,3,5-Trinitrobenzene	32.0	30.8	96	44-137	
1,4-Naphthoquinone	32.0	29.7	93	10-133	
1-Naphthylamine	32.0	10.7	33	10-120	
2-Acetylaminofluorene	32.0	30.9	97	48-147	
2-Naphthylamine	32.0	15.1	47	10-120	
2-Picoline	32.0	8.39 J	26	34-120	*-
3,3'-Dimethylbenzidine	32.0	11.0	34	10-129	
3-Methylcholanthrene	64.0	44.3	69	10-156	
4-Aminobiphenyl	32.0	17.9	56	13-122	
4-Nitroquinoline-1-oxide	32.0	17.2 J	54	16-130	
7,12-Dimethylbenz(a)anthracene	32.0	29.1	91	42-120	
Aramite, Total	32.0	30.1	94	30-156	
Chlorobenzilate	32.0	31.4	98	25-147	
Disulfoton	32.0	27.5	86	38-127	
Ethyl Parathion	32.0	28.6	89	46-136	
Famphur	32.0	64.9	203	10-199	E *+
Methapyrilene	64.0	3.37 J	5	30-120	*-
Methyl methanesulfonate	32.0	18.0	56	10-120	
Methyl parathion	32.0	30.1	94	47-140	
N-Nitrosodi-n-butylamine	32.0	28.9	90	46-127	
N-Nitrosomethylethylamine	32.0	25.5	80	37-120	
N-Nitrosopyrrolidine	32.0	24.9	78	42-122	
p-Dimethylamino azobenzene	32.0	26.1	82	58-120	
p-Phenylene diamine	32.0	150 U	0	10-120	*-
2-Toluidine	32.0	23.8	74	10-135	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 250804020.D

Lab ID: 240-229857-4 MS Client ID: 16WC1A MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
2,4-Dimethylphenol	29.4	9.5 U	18.2	62	21-120	
2,4-Dinitrophenol	58.8	9.5 U	42.3	72	10-140	
3,3'-Dichlorobenzidine	58.8	9.5 U	56.5	96	10-153	
3-Nitroaniline	29.4	9.5 U	17.2	59	18-155	
4,6-Dinitro-2-methylphenol	58.8	9.5 U	49.2	84	29-131	
4-Chloroaniline	29.4	9.5 U	17.1	58	10-120	
4-Nitroaniline	29.4	9.5 U	25.4	86	30-166	
Acetophenone	29.4	9.5 U	24.3	83	39-126	
Aniline	29.4	9.5 U	16.0	54	28-120	
Benzyl alcohol	29.4	9.5 U	21.3	73	24-120	
Bis(2-chloroethoxy)methane	29.4	0.95 U	22.5	77	52-120	
Bis(2-chloroethyl)ether	29.4	0.95 U	22.1	75	43-120	
Butyl benzyl phthalate	29.4	9.5 U	25.6	87	44-139	
Di-n-butyl phthalate	29.4	9.5 U	27.9	95	50-129	
Hexachlorocyclopentadiene	29.4	9.5 U	20.1	69	10-120	
Hexachloroethane	29.4	9.5 U	21.0	71	10-120	
Isophorone	29.4	9.5 U	24.0	82	52-120	
N-Nitrosodi-n-propylamine	29.4	9.5 U	24.3	83	48-120	
N-Nitrosodiphenylamine	29.4	9.5 U	24.9	85	50-120	
Pyridine	58.8	9.5 U	24.0	41	14-120	
4-Nitrophenol	58.8	9.5 U	43.4	74	10-123	
2,4,5-Trichlorophenol	29.4	9.5 U	25.9	88	49-120	
2,4-Dichlorophenol	29.4	9.5 U	26.3	90	54-120	
4-Chloro-3-methylphenol	29.4	9.5 U	25.1	85	53-123	
2-Nitrophenol	29.4	9.5 U	24.9	85	51-120	
2,4,6-Trichlorophenol	29.4	9.5 U	26.1	89	49-120	
2-Methylphenol	29.4	9.5 U	22.7	77	31-131	
2,6-Dichlorophenol	29.4	9.5 U	24.7	84	50-120	
2-Chlorophenol	29.4	9.5 U	25.8	88	48-124	
Phenol	29.4	9.5 U	20.0	68	10-134	
2,3,4,6-Tetrachlorophenol	29.4	9.5 U	25.7	88	57-120	
3 & 4 Methylphenol	29.4	19 U	22.8	77	23-127	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 250804021.D

Lab ID: 240-229857-4 MSD Client ID: 16WC1A MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dimethylphenol	29.6	19.6	66	7	35	21-120	
2,4-Dinitrophenol	59.1	46.3	78	9	35	10-140	
3,3'-Dichlorobenzidine	59.1	57.8	98	2	35	10-153	
3-Nitroaniline	29.6	15.6	53	10	35	18-155	
4,6-Dinitro-2-methylphenol	59.1	53.0	90	7	35	29-131	
4-Chloroaniline	29.6	17.3	59	1	35	10-120	
4-Nitroaniline	29.6	23.9	81	6	35	30-166	
Acetophenone	29.6	28.3	96	15	34	39-126	
Aniline	29.6	22.0	75	32	35	28-120	
Benzyl alcohol	29.6	25.5	86	18	34	24-120	
Bis(2-chloroethoxy)methane	29.6	23.4	79	4	32	52-120	
Bis(2-chloroethyl)ether	29.6	26.9	91	20	35	43-120	
Butyl benzyl phthalate	29.6	26.6	90	4	32	44-139	
Di-n-butyl phthalate	29.6	28.6	97	2	33	50-129	
Hexachlorocyclopentadiene	29.6	21.4	72	6	35	10-120	
Hexachloroethane	29.6	22.0	74	5	35	10-120	
Isophorone	29.6	24.9	84	4	31	52-120	
N-Nitrosodi-n-propylamine	29.6	28.2	96	15	33	48-120	
N-Nitrosodiphenylamine	29.6	25.7	87	3	31	50-120	
Pyridine	59.1	13.9	23	54	35	14-120	F2
4-Nitrophenol	59.1	43.9	74	1	35	10-123	
2,4,5-Trichlorophenol	29.6	27.0	91	4	32	49-120	
2,4-Dichlorophenol	29.6	28.5	96	8	31	54-120	
4-Chloro-3-methylphenol	29.6	26.0	88	4	31	53-123	
2-Nitrophenol	29.6	27.6	93	10	32	51-120	
2,4,6-Trichlorophenol	29.6	26.7	90	2	31	49-120	
2-Methylphenol	29.6	27.7	94	20	34	31-131	
2,6-Dichlorophenol	29.6	26.0	88	5	19	50-120	
2-Chlorophenol	29.6	32.1	109	22	35	48-124	
Phenol	29.6	23.9	81	18	35	10-134	
2,3,4,6-Tetrachlorophenol	29.6	26.4	89	3	18	57-120	
3 & 4 Methylphenol	29.6	26.1	88	14	34	23-127	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: 250804008.D Lab Sample ID: MB 240-666059/1-A

Matrix: Water Date Extracted: 08/01/2025 08:55

Instrument ID: A4AG3 Date Analyzed: 08/04/2025 10:06

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-666059/2-A	250804009.D	08/04/2025 10:28
	LCS 240-666059/3-A	250804010.D	08/04/2025 10:50
16WDUP	240-229857-5	250804014.D	08/04/2025 12:19
16WC1B	240-229857-6	250804015.D	08/04/2025 12:41
16C1	240-229857-1	250804016.D	08/04/2025 13:03
16MW8	240-229857-2	250804017.D	08/04/2025 13:25
16MW9	240-229857-3	250804018.D	08/04/2025 13:47
16WC1A	240-229857-4	250804019.D	08/04/2025 14:09
16WC1A MS	240-229857-4 MS	250804020.D	08/04/2025 14:31
16WC1A MSD	240-229857-4 MSD	250804021.D	08/04/2025 14:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: 250627001.D DFTPP Injection Date: 06/27/2025

Instrument ID: A4AG3 DFTPP Injection Time: 07:42

Analysis Batch No.: 661637

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0- 80.0% of mass 198	48.0
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	44.9
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	25.0 - 75.0% of mass 198	59.1
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0- 30.0% of mass 198	20.5
365	Greater than 0.75% of mass 198	2.4
441	Present, but less than mass 443	11.2
442	40.0 - 110.0% of mass 198	80.0
443	15.0 - 24.0% of mass 442	15.9 (19.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD9 240-661637/2	250627002.D	06/27/2025	8:00
	STD8 240-661637/3	250627003.D	06/27/2025	8:22
	STD7 240-661637/4	250627004.D	06/27/2025	8:45
	STD6 240-661637/5	250627005.D	06/27/2025	9:07
	STD5 240-661637/6	250627006.D	06/27/2025	9:30
	STD4 240-661637/7	250627007.D	06/27/2025	9:53
	STD3 240-661637/8	250627008.D	06/27/2025	10:15
	STD2 240-661637/9	250627009.D	06/27/2025	10:38
	STD1 240-661637/10	250627010.D	06/27/2025	11:00
	ICV 240-661637/11	250627011.D	06/27/2025	11:23
	STD5 240-661637/12	250627012.D	06/27/2025	11:46
	STD4 240-661637/13	250627013.D	06/27/2025	12:08
	STD3 240-661637/14	250627014.D	06/27/2025	12:31
	STD2 240-661637/15	250627015.D	06/27/2025	12:53
	STD6 240-661637/16	250627016.D	06/27/2025	13:16
	STD7 240-661637/17	250627017.D	06/27/2025	13:39
	STD8 240-661637/18	250627018.D	06/27/2025	14:01
	STD9 240-661637/19	250627019.D	06/27/2025	14:24
	ICV 240-661637/20	250627020.D	06/27/2025	14:47

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab File ID: 250804101.D DFTPP Injection Date: 08/04/2025

Instrument ID: A4AG3 DFTPP Injection Time: 07:53

Analysis Batch No.: 666181

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	50.6	
68	Less than 2.0% of mass 69	0.7	(1.4) 1
69	Mass 69 relative abundance	45.4	
70	Less than 2.0% of mass 69	0.2	(0.4) 1
127	25.0 - 75.0% of mass 198	59.3	
197	Less than 1.0% of mass 198	0.1	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.7	
275	10.0- 30.0% of mass 198	20.1	
365	Greater than 0.75% of mass 198	2.3	
441	Present, but less than mass 443	9.6	
442	40.0 - 110.0% of mass 198	65.8	
443	15.0 - 24.0% of mass 442	12.7	(19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-666181/2	250804102.D	08/04/2025	8:14
	CCV 240-666181/3	250804003.D	08/04/2025	8:37
	MB 240-666059/1-A	250804008.D	08/04/2025	10:06
	LCS 240-666059/2-A	250804009.D	08/04/2025	10:28
	LCS 240-666059/3-A	250804010.D	08/04/2025	10:50
16WDUP	240-229857-5	250804014.D	08/04/2025	12:19
16WC1B	240-229857-6	250804015.D	08/04/2025	12:41
16C1	240-229857-1	250804016.D	08/04/2025	13:03
16MW8	240-229857-2	250804017.D	08/04/2025	13:25
16MW9	240-229857-3	250804018.D	08/04/2025	13:47
16WC1A	240-229857-4	250804019.D	08/04/2025	14:09
16WC1A MS	240-229857-4 MS	250804020.D	08/04/2025	14:31
16WC1A MSD	240-229857-4 MSD	250804021.D	08/04/2025	14:53

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Sample No.: STD6 240-661637/5 Date Analyzed: 06/27/2025 09:07

Instrument ID: A4AG3 GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

Lab File ID (Standard): 250627005.D Heated Purge: (Y/N) N

Calibration ID: 78082

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		108934	6.31	491460	7.37	263793	8.85
UPPER LIMIT		217868	6.81	982920	7.87	527586	9.35
LOWER LIMIT		54467	5.81	245730	6.87	131897	8.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-661637/11		115056	6.31	506823	7.37	263019	8.85
ICV 240-661637/20		99698	6.30	432496	7.37	260579	8.85
CCV 240-666181/2 CCVIS		111026	6.33	536347	7.40	290531	8.88

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Sample No.: STD6 240-661637/5 Date Analyzed: 06/27/2025 09:07

Instrument ID: A4AG3 GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

Lab File ID (Standard): 250627005.D Heated Purge: (Y/N) N

Calibration ID: 78082

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		406868	10.11	317200	12.73	297612	14.88
UPPER LIMIT		813736	10.61	634400	13.23	595224	15.38
LOWER LIMIT		203434	9.61	158600	12.23	148806	14.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-661637/11		417210	10.10	334046	12.73	299323	14.87
ICV 240-661637/20		426542	10.10	296437	12.73	277662	14.88
CCV 240-666181/2 CCVIS		435091	10.13	344316	12.78	318170	14.94

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Sample No.: CCV 240-666181/2 Date Analyzed: 08/04/2025 08:14

Instrument ID: A4AG3 GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

Lab File ID (Standard): 250804102.D Heated Purge: (Y/N) N

Calibration ID: 78107

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		111026	6.33	536347	7.40	290531	8.88
UPPER LIMIT		222052	6.83	1072694	7.90	581062	9.38
LOWER LIMIT		55513	5.83	268174	6.90	145266	8.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-666181/3		108074	6.33	543153	7.41	300289	8.88
MB 240-666059/1-A		94543	6.33	415315	7.40	241288	8.88
LCS 240-666059/2-A		115940	6.33	509488	7.41	268032	8.88
LCS 240-666059/3-A		119650	6.33	504626	7.41	282739	8.88
240-229857-5	16WDUP	104782	6.33	475565	7.41	265412	8.88
240-229857-6	16WC1B	119799	6.33	432879	7.41	266226	8.88
240-229857-1	16C1	124806	6.33	484217	7.41	270327	8.88
240-229857-2	16MW8	108265	6.33	479611	7.41	270037	8.88
240-229857-3	16MW9	127513	6.33	458015	7.41	266837	8.88
240-229857-4	16WC1A	114534	6.33	433691	7.41	270431	8.88
240-229857-4 MS	16WC1A MS	121819	6.33	542117	7.41	286364	8.88
240-229857-4 MSD	16WC1A MSD	117639	6.33	586798	7.40	316438	8.88

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Sample No.: CCV 240-666181/2 Date Analyzed: 08/04/2025 08:14

Instrument ID: A4AG3 GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

Lab File ID (Standard): 250804102.D Heated Purge: (Y/N) N

Calibration ID: 78107

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		435091	10.13	344316	12.78	318170	14.94
UPPER LIMIT		870182	10.63	688632	13.28	636340	15.44
LOWER LIMIT		217546	9.63	172158	12.28	159085	14.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-666181/3		474908	10.14	338125	12.79	323610	14.95
MB 240-666059/1-A		374275	10.14	280373	12.78	273601	14.95
LCS 240-666059/2-A		403875	10.14	321423	12.79	294738	14.95
LCS 240-666059/3-A		446088	10.14	313746	12.78	297145	14.95
240-229857-5	16WDUP	429077	10.14	320992	12.78	310376	14.94
240-229857-6	16WC1B	431107	10.14	315492	12.78	319929	14.95
240-229857-1	16C1	434116	10.13	312496	12.78	307703	14.94
240-229857-2	16MW8	421717	10.14	313782	12.78	298897	14.94
240-229857-3	16MW9	433552	10.13	314922	12.78	307752	14.94
240-229857-4	16WC1A	433933	10.14	315776	12.79	315662	14.95
240-229857-4 MS	16WC1A MS	435214	10.13	350921	12.78	316575	14.94
240-229857-4 MSD	16WC1A MSD	467724	10.13	370695	12.78	348960	14.94

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16C1 | Lab Sample ID: 240-229857-1

Matrix: Water | Lab File ID: 250804016.D

Analysis Method: 8270E | Date Collected: 07/30/2025 14:20

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 272.1(mL) | Date Analyzed: 08/04/2025 13:03

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	9.2	U	9.2	2.8
130-15-4	1,4-Naphthoquinone	9.2	U	9.2	2.8
134-32-7	1-Naphthylamine	9.2	U	9.2	2.8
105-67-9	2,4-Dimethylphenol	9.2	U	9.2	2.8
51-28-5	2,4-Dinitrophenol	9.2	U	9.2	5.7
53-96-3	2-Acetylaminofluorene	9.2	U	9.2	2.8
91-59-8	2-Naphthylamine	9.2	U	9.2	6.4
109-06-8	2-Picoline	9.2	U *-	9.2	0.92
91-94-1	3,3'-Dichlorobenzidine	9.2	U	9.2	2.8
119-93-7	3,3'-Dimethylbenzidine	9.2	U	9.2	3.0
56-49-5	3-Methylcholanthrene	9.2	U	9.2	0.92
99-09-2	3-Nitroaniline	9.2	U	9.2	1.8
534-52-1	4,6-Dinitro-2-methylphenol	9.2	U	9.2	2.8
92-67-1	4-Aminobiphenyl	9.2	U	9.2	2.8
106-47-8	4-Chloroaniline	9.2	U	9.2	3.0
100-01-6	4-Nitroaniline	9.2	U	9.2	1.4
56-57-5	4-Nitroquinoline-1-oxide	46	U	46	4.6
57-97-6	7,12-Dimethylbenz(a)anthracene	9.2	U	9.2	1.7
98-86-2	Acetophenone	9.2	U	9.2	0.92
62-53-3	Aniline	9.2	U	9.2	1.0
140-57-8	Aramite, Total	9.2	U	9.2	3.4
100-51-6	Benzyl alcohol	9.2	U	9.2	2.8
111-91-1	Bis(2-chloroethoxy)methane	0.92	U	0.92	0.46
111-44-4	Bis(2-chloroethyl)ether	0.92	U	0.92	0.46
85-68-7	Butyl benzyl phthalate	9.2	U	9.2	0.64
510-15-6	Chlorobenzilate	9.2	U	9.2	2.8
84-74-2	Di-n-butyl phthalate	9.2	U	9.2	1.7
298-04-4	Disulfoton	9.2	U	9.2	2.8
56-38-2	Ethyl Parathion	9.2	U	9.2	2.8
52-85-7	Famphur	9.2	U *+	9.2	4.6
77-47-4	Hexachlorocyclopentadiene	9.2	U	9.2	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16C1 | Lab Sample ID: 240-229857-1

Matrix: Water | Lab File ID: 250804016.D

Analysis Method: 8270E | Date Collected: 07/30/2025 14:20

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 272.1(mL) | Date Analyzed: 08/04/2025 13:03

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	9.2	U	9.2	0.37
78-59-1	Isophorone	9.2	U	9.2	0.46
120-58-1	Isosafrole	4.6	U	4.6	1.5
91-80-5	Methapyrilene	9.2	U *-	9.2	2.8
66-27-3	Methyl methanesulfonate	9.2	U	9.2	0.92
298-00-0	Methyl parathion	9.2	U	9.2	2.9
924-16-3	N-Nitrosodi-n-butylamine	9.2	U	9.2	2.8
621-64-7	N-Nitrosodi-n-propylamine	9.2	U	9.2	0.46
86-30-6	N-Nitrosodiphenylamine	9.2	U	9.2	0.53
10595-95-6	N-Nitrosomethylethylamine	9.2	U	9.2	0.92
930-55-2	N-Nitrosopyrrolidine	9.2	U	9.2	0.46
60-11-7	p-Dimethylamino azobenzene	9.2	U	9.2	2.8
106-50-3	p-Phenylene diamine	140	U *-	140	24
23950-58-5	Pronamide	4.6	U	4.6	1.4
110-86-1	Pyridine	9.2	U	9.2	1.8
95-53-4	2-Toluidine	9.2	U	9.2	3.7
100-02-7	4-Nitrophenol	9.2	U	9.2	2.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	99		43-136
4165-62-2	Phenol-d5 (Surr)	61		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	82		40-120
367-12-4	2-Fluorophenol (Surr)	91		10-127
321-60-8	2-Fluorobiphenyl (Surr)	83		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	71		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804016.D
Lims ID: 240-229857-D-1-A
Client ID: 16C1
Sample Type: Client
Inject. Date: 04-Aug-2025 13:03:08 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-D-1-A
Misc. Info.: 240-0157591-016
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: KDZ4 Date: 04-Aug-2025 13:38:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	98	124806	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	484217	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	92	270327	400.0	
* 4 Phenanthrene-d10	188	10.134	10.134	0.000	98	434116	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	312496	400.0	
* 6 Perylene-d12	264	14.940	14.939	0.001	96	307703	400.0	
$ 7 2-Fluorophenol	112	5.234	5.234	0.000	94	436848	1448.5	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	478936	981.6	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	92	655683	1306.5	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	99	1170974	1326.5	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	89	104484	1134.2	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	97	1248280	1584.5	
15 Pyridine	79		3.999				ND	
18 2-Picoline	93		4.805				ND	
19 N-Nitrosomethylethylamine	88		4.881				ND	
22 Methyl methanesulfonate	80		5.128				ND	
27 Phenol	94		6.010				ND	U
29 Aniline	93		6.052				ND	
30 Bis(2-chloroethyl)ether	93		6.081				ND	
32 2-Chlorophenol	128		6.163				ND	
37 Benzyl alcohol	108		6.428				ND	
40 2-Methylphenol	108		6.510				ND	
45 3 & 4 Methylphenol	108		6.634				ND	
46 N-Nitrosodi-n-propylamine	70		6.640				ND	
48 Acetophenone	105		6.652				ND	
43 N-Nitrosopyrrolidine	100		6.675				ND	
47 2-Toluidine	106		6.734				ND	
49 Hexachloroethane	117		6.769				ND	
53 Isophorone	82		6.993				ND	
55 2-Nitrophenol	139		7.069				ND	
54 2,4-Dimethylphenol	107		7.081				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
58 Bis(2-chloroethoxy)methane	93		7.152				ND	
61 2,4-Dichlorophenol	162		7.269				ND	
65 4-Chloroaniline	127		7.446				ND	
66 2,6-Dichlorophenol	162		7.457				ND	
70 N-Nitrosodi-n-butylamine	84		7.652				ND	U
71 p-Phenylene diamine	108		7.781				ND	
73 4-Chloro-3-methylphenol	107		7.834				ND	
75 Isosafrole Peak 1	162		8.093				ND	
82 Hexachlorocyclopentadiene	237		8.134				ND	
85 2,4,6-Trichlorophenol	196		8.222				ND	
86 2,4,5-Trichlorophenol	196		8.263				ND	
87 Isosafrole Peak 2	162		8.263				ND	
92 1,4-Naphthoquinone	158		8.487				ND	
98 3-Nitroaniline	138		8.816				ND	
99 2,4-Dinitrophenol	184		8.899				ND	
101 4-Nitrophenol	109		8.934				ND	
106 1-Naphthylamine	143		9.122				ND	
108 2,3,4,6-Tetrachlorophenol	232		9.152				ND	
109 2-Naphthylamine	143		9.157				ND	
115 4-Nitroaniline	138		9.334				ND	
117 4,6-Dinitro-2-methylphenol	198		9.357				ND	
113 N-Nitro-o-toluidine	152		9.375				ND	
118 N-Nitrosodiphenylamine	169		9.410				ND	
123 1,3,5-Trinitrobenzene	213		9.616				ND	
134 Pronamide	173		9.922				ND	
132 4-Aminobiphenyl	169		9.958				ND	
137 Disulfoton	88		10.093				ND	
143 Methyl parathion	109		10.457				ND	
144 Di-n-butyl phthalate	149	10.557	10.557	0.006	100	23918	17.3	
145 Ethyl Parathion	97		10.675				ND	
146 4-Nitroquinoline-1-oxide	190		10.799				ND	
147 Methapyrilene	58		10.840				ND	
152 Aramite Peak 1	185		11.451				ND	U
153 Aramite Peak 2	185		11.528				ND	U
154 p-Dimethylamino azobenzene	225		11.710				ND	
155 Chlorobenzilate	139		11.740				ND	
157 Butyl benzyl phthalate	149		11.987				ND	
156 Famphur	218		12.010				ND	
158 3,3'-Dimethylbenzidine	212		12.081				ND	
160 2-Acetylaminofluorene	181		12.393				ND	
163 3,3'-Dichlorobenzidine	252		12.692				ND	
168 7,12-Dimethylbenz(a)anthracene	256		14.410				ND	
172 3-Methylcholanthrene	268		15.416				ND	
S 199 Isosafrole	162		5.181				ND	7
S 201 Aramite, Total	185		7.898				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

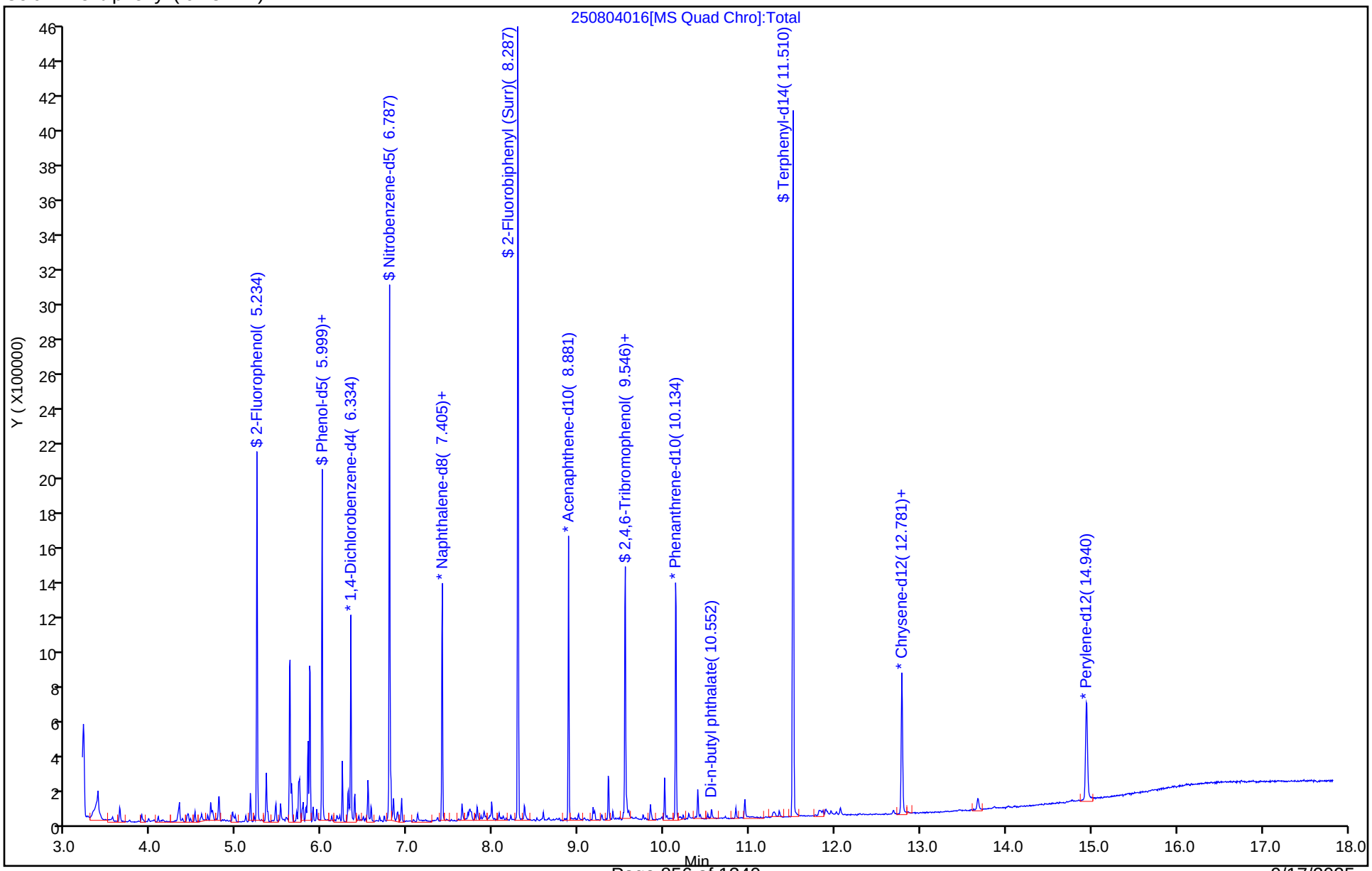
Report Date: 08-Sep-2025 12:38:20 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804016.D

Injection Date:	04-Aug-2025 13:03:08	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	240-229857-D-1-A	Lab Sample ID:	240-229857-1	Worklist Smp#:	16
Client ID:	16C1				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804016.D
Lims ID: 240-229857-D-1-A
Client ID: 16C1
Sample Type: Client
Inject. Date: 04-Aug-2025 13:03:08 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-D-1-A
Misc. Info.: 240-0157591-016
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: KDZ4 Date: 04-Aug-2025 13:38:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1448.5	90.53
$ 8 Phenol-d5	1600.0	981.6	61.35
$ 9 Nitrobenzene-d5	1600.0	1306.5	81.66
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1326.5	82.91
$ 11 2,4,6-Tribromophenol	1600.0	1134.2	70.89
$ 12 Terphenyl-d14	1600.0	1584.5	99.03

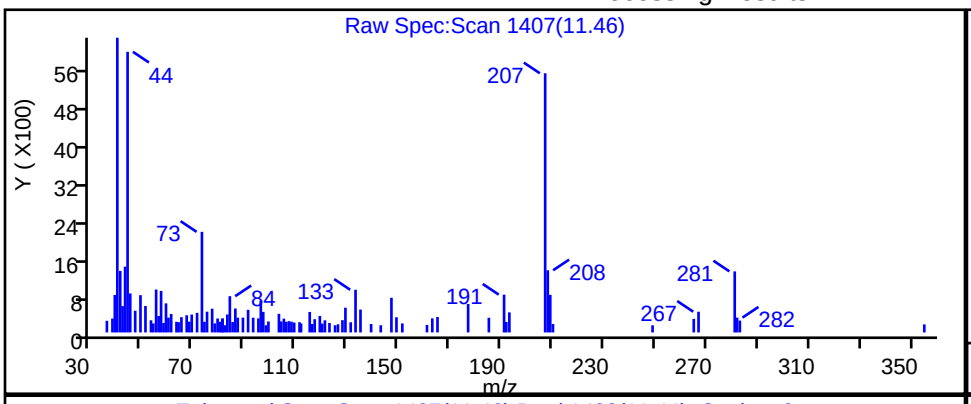
User Disabled Compound Report

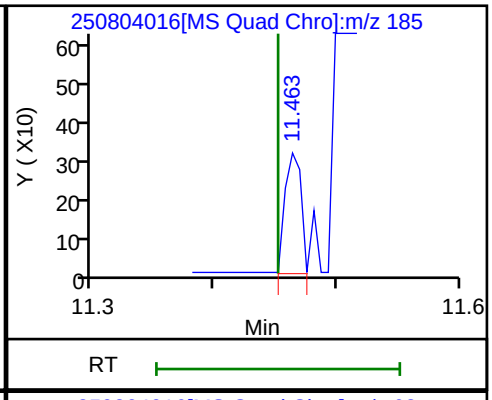
Eurofins Cleveland

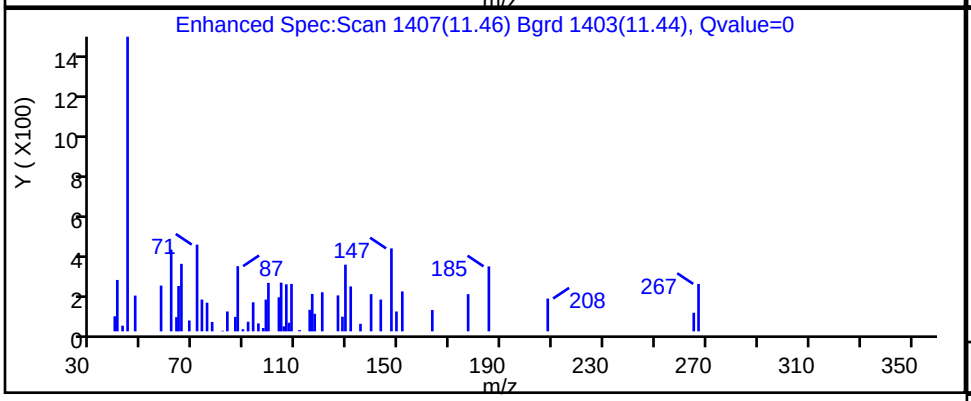
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804016.D				
Injection Date:	04-Aug-2025 13:03:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-1-A	Lab Sample ID:	240-229857-1		
Client ID:	16C1				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

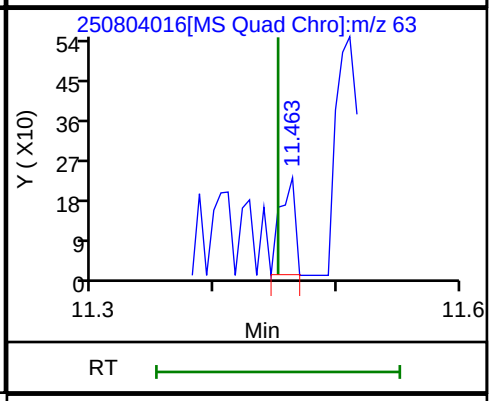
152 Aramite Peak 1, CAS: STL00690

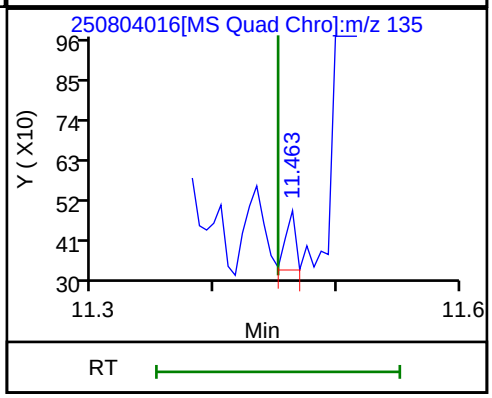
Processing Results











RT	Mass	Response	Amount
11.46	185.00	282	27.062770
11.46	63.00	192	
11.46	135.00	91	

Reviewer: KDZ4, 04-Aug-2025 13:38:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

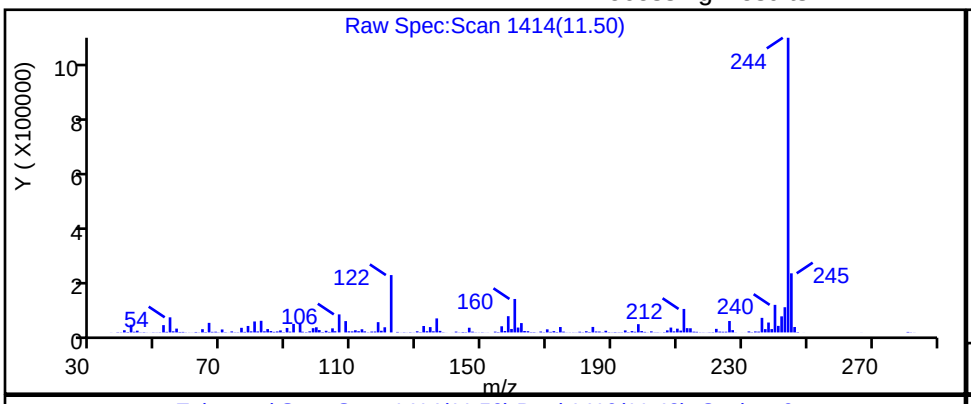
User Disabled Compound Report

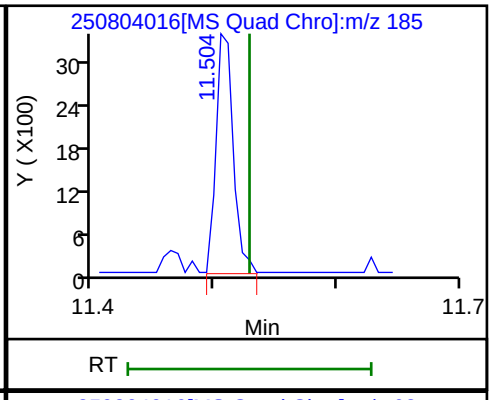
Eurofins Cleveland

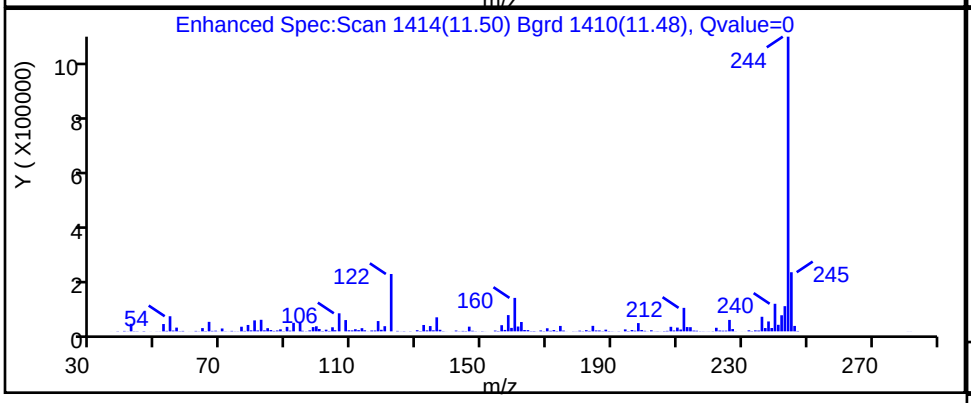
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804016.D				
Injection Date:	04-Aug-2025 13:03:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-1-A	Lab Sample ID:	240-229857-1		
Client ID:	16C1				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

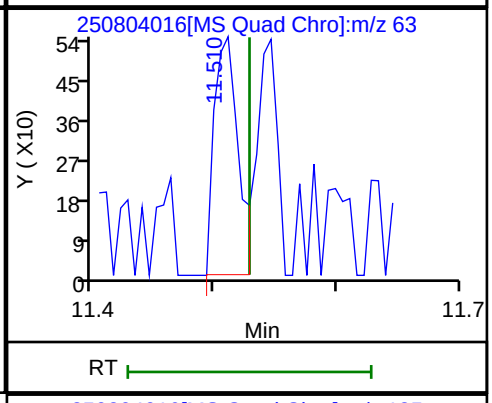
153 Aramite Peak 2, CAS: STL00691

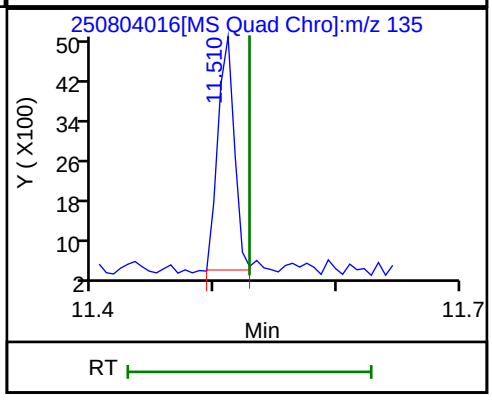
Processing Results











RT	Mass	Response	Amount
11.50	185.00	3303	40.116671
11.51	63.00	760	
11.51	135.00	4411	

Reviewer: KDZ4, 04-Aug-2025 13:38:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

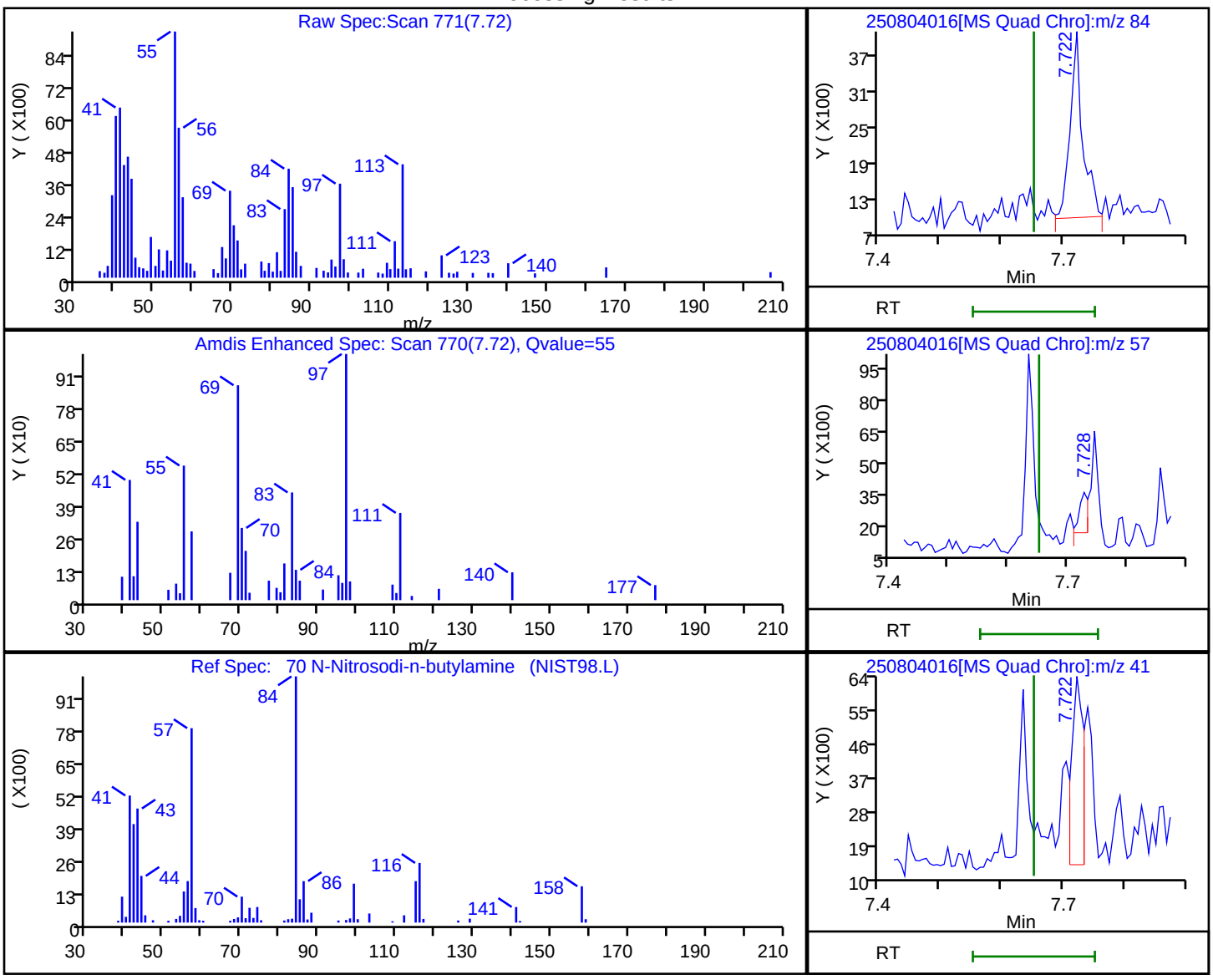
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804016.D				
Injection Date:	04-Aug-2025 13:03:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-1-A	Lab Sample ID:	240-229857-1		
Client ID:	16C1				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

70 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Processing Results



RT	Mass	Response	Amount
7.72	84.00	4483	16.343539
7.73	57.00	1979	
7.72	41.00	6634	

Reviewer: KDZ4, 04-Aug-2025 13:37:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16MW8 | Lab Sample ID: 240-229857-2

Matrix: Water | Lab File ID: 250804017.D

Analysis Method: 8270E | Date Collected: 07/29/2025 11:20

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 268.4(mL) | Date Analyzed: 08/04/2025 13:25

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	9.3	U	9.3	2.8
130-15-4	1,4-Naphthoquinone	9.3	U	9.3	2.8
134-32-7	1-Naphthylamine	9.3	U	9.3	2.8
105-67-9	2,4-Dimethylphenol	9.3	U	9.3	2.8
51-28-5	2,4-Dinitrophenol	9.3	U	9.3	5.8
53-96-3	2-Acetylaminofluorene	9.3	U	9.3	2.8
91-59-8	2-Naphthylamine	9.3	U	9.3	6.5
109-06-8	2-Picoline	9.3	U *-	9.3	0.93
91-94-1	3,3'-Dichlorobenzidine	9.3	U	9.3	2.8
119-93-7	3,3'-Dimethylbenzidine	9.3	U	9.3	3.1
56-49-5	3-Methylcholanthrene	9.3	U	9.3	0.93
99-09-2	3-Nitroaniline	9.3	U	9.3	1.9
534-52-1	4,6-Dinitro-2-methylphenol	9.3	U	9.3	2.8
92-67-1	4-Aminobiphenyl	9.3	U	9.3	2.8
106-47-8	4-Chloroaniline	9.3	U	9.3	3.1
100-01-6	4-Nitroaniline	9.3	U	9.3	1.4
56-57-5	4-Nitroquinoline-1-oxide	47	U	47	4.7
57-97-6	7,12-Dimethylbenz(a)anthracene	9.3	U	9.3	1.7
98-86-2	Acetophenone	9.3	U	9.3	0.93
62-53-3	Aniline	9.3	U	9.3	1.0
140-57-8	Aramite, Total	9.3	U	9.3	3.4
100-51-6	Benzyl alcohol	9.3	U	9.3	2.8
111-91-1	Bis(2-chloroethoxy)methane	0.93	U	0.93	0.47
111-44-4	Bis(2-chloroethyl)ether	0.93	U	0.93	0.47
85-68-7	Butyl benzyl phthalate	9.3	U	9.3	0.65
510-15-6	Chlorobenzilate	9.3	U	9.3	2.8
84-74-2	Di-n-butyl phthalate	9.3	U	9.3	1.7
298-04-4	Disulfoton	9.3	U	9.3	2.8
56-38-2	Ethyl Parathion	9.3	U	9.3	2.8
52-85-7	Famphur	9.3	U *+	9.3	4.7
77-47-4	Hexachlorocyclopentadiene	9.3	U	9.3	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16MW8 | Lab Sample ID: 240-229857-2

Matrix: Water | Lab File ID: 250804017.D

Analysis Method: 8270E | Date Collected: 07/29/2025 11:20

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 268.4(mL) | Date Analyzed: 08/04/2025 13:25

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	9.3	U	9.3	0.37
78-59-1	Isophorone	9.3	U	9.3	0.47
120-58-1	Isosafrole	4.7	U	4.7	1.5
91-80-5	Methapyrilene	9.3	U *-	9.3	2.8
66-27-3	Methyl methanesulfonate	9.3	U	9.3	0.93
298-00-0	Methyl parathion	9.3	U	9.3	3.0
924-16-3	N-Nitrosodi-n-butylamine	9.3	U	9.3	2.8
621-64-7	N-Nitrosodi-n-propylamine	9.3	U	9.3	0.47
86-30-6	N-Nitrosodiphenylamine	9.3	U	9.3	0.54
10595-95-6	N-Nitrosomethylethylamine	9.3	U	9.3	0.93
930-55-2	N-Nitrosopyrrolidine	9.3	U	9.3	0.47
60-11-7	p-Dimethylamino azobenzene	9.3	U	9.3	2.8
106-50-3	p-Phenylene diamine	140	U *-	140	25
23950-58-5	Pronamide	4.7	U	4.7	1.4
110-86-1	Pyridine	9.3	U	9.3	1.9
95-53-4	2-Toluidine	9.3	U	9.3	3.7
100-02-7	4-Nitrophenol	9.3	U	9.3	2.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	94		43-136
4165-62-2	Phenol-d5 (Surr)	69		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	76		40-120
367-12-4	2-Fluorophenol (Surr)	101		10-127
321-60-8	2-Fluorobiphenyl (Surr)	79		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	80		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804017.D
Lims ID: 240-229857-D-2-A
Client ID: 16MW8
Sample Type: Client
Inject. Date: 04-Aug-2025 13:25:11 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-D-2-A
Misc. Info.: 240-0157591-017
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: KDZ4 Date: 04-Aug-2025 13:49:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	108265	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	479611	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	92	270037	400.0	
* 4 Phenanthrene-d10	188	10.140	10.134	0.006	98	421717	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	313782	400.0	
* 6 Perylene-d12	264	14.939	14.939	0.000	96	298897	400.0	
$ 7 2-Fluorophenol	112	5.234	5.234	0.000	94	420891	1608.9	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	467912	1105.5	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	91	605271	1217.6	
$ 10 2-Fluorobiphenyl (Surr)	172	8.293	8.287	0.006	99	1116122	1265.7	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	88	118451	1287.2	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	97	1188280	1501.9	
15 Pyridine	79		3.999				ND	
18 2-Picoline	93		4.805				ND	
19 N-Nitrosomethylethylamine	88		4.881				ND	
22 Methyl methanesulfonate	80		5.128				ND	
27 Phenol	94		6.010				ND	
29 Aniline	93		6.052				ND	
30 Bis(2-chloroethyl)ether	93		6.081				ND	
32 2-Chlorophenol	128		6.163				ND	
37 Benzyl alcohol	108		6.428				ND	
40 2-Methylphenol	108		6.510				ND	
45 3 & 4 Methylphenol	108		6.634				ND	
46 N-Nitrosodi-n-propylamine	70		6.640				ND	
48 Acetophenone	105		6.652				ND	
43 N-Nitrosopyrrolidine	100		6.675				ND	
47 2-Toluidine	106		6.734				ND	
49 Hexachloroethane	117		6.769				ND	
53 Isophorone	82		6.993				ND	
55 2-Nitrophenol	139		7.069				ND	
54 2,4-Dimethylphenol	107		7.081				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
58 Bis(2-chloroethoxy)methane	93		7.152				ND	
61 2,4-Dichlorophenol	162		7.269				ND	
65 4-Chloroaniline	127		7.446				ND	
66 2,6-Dichlorophenol	162		7.457				ND	
70 N-Nitrosodi-n-butylamine	84		7.652				ND	U
71 p-Phenylene diamine	108		7.781				ND	
73 4-Chloro-3-methylphenol	107		7.834				ND	
75 Isosafrole Peak 1	162		8.093				ND	
82 Hexachlorocyclopentadiene	237		8.134				ND	
85 2,4,6-Trichlorophenol	196		8.222				ND	
86 2,4,5-Trichlorophenol	196		8.263				ND	
87 Isosafrole Peak 2	162		8.263				ND	
92 1,4-Naphthoquinone	158		8.487				ND	
98 3-Nitroaniline	138		8.816				ND	
99 2,4-Dinitrophenol	184		8.899				ND	
101 4-Nitrophenol	109		8.934				ND	
106 1-Naphthylamine	143		9.122				ND	
108 2,3,4,6-Tetrachlorophenol	232		9.152				ND	
109 2-Naphthylamine	143		9.157				ND	
115 4-Nitroaniline	138		9.334				ND	
117 4,6-Dinitro-2-methylphenol	198		9.357				ND	
113 N-Nitro-o-toluidine	152		9.375				ND	
118 N-Nitrosodiphenylamine	169		9.410				ND	
123 1,3,5-Trinitrobenzene	213		9.616				ND	
134 Pronamide	173		9.922				ND	
132 4-Aminobiphenyl	169		9.958				ND	
137 Disulfoton	88		10.093				ND	
143 Methyl parathion	109		10.457				ND	U
144 Di-n-butyl phthalate	149	10.557	10.557	0.006	99	23123	17.2	
145 Ethyl Parathion	97		10.675				ND	
146 4-Nitroquinoline-1-oxide	190		10.799				ND	
147 Methapyrilene	58		10.840				ND	
152 Aramite Peak 1	185		11.451				ND	U
153 Aramite Peak 2	185		11.528				ND	U
154 p-Dimethylamino azobenzene	225		11.710				ND	
155 Chlorobenzilate	139		11.740				ND	
157 Butyl benzyl phthalate	149		11.987				ND	
156 Famphur	218		12.010				ND	
158 3,3'-Dimethylbenzidine	212		12.081				ND	
160 2-Acetylaminofluorene	181		12.393				ND	
163 3,3'-Dichlorobenzidine	252		12.692				ND	
168 7,12-Dimethylbenz(a)anthracene	256		14.410				ND	
172 3-Methylcholanthrene	268		15.416				ND	
S 199 Isosafrole	162		5.181				ND	7
S 201 Aramite, Total	185		7.898				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

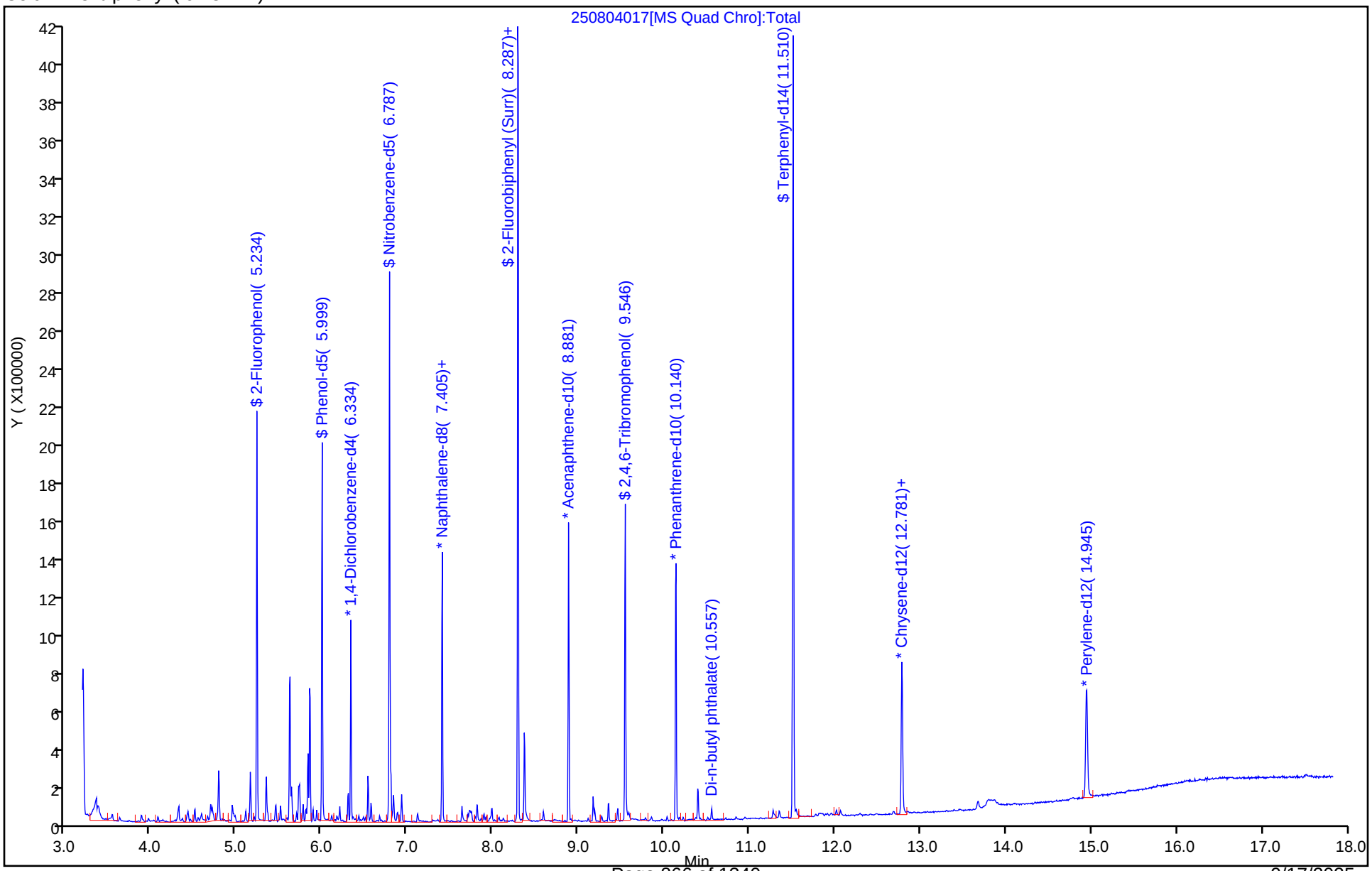
Report Date: 08-Sep-2025 12:38:23 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804017.D

Injection Date:	04-Aug-2025 13:25:11	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	240-229857-D-2-A	Lab Sample ID:	240-229857-2	Worklist Smp#:	17
Client ID:	16MW8				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804017.D
Lims ID: 240-229857-D-2-A
Client ID: 16MW8
Sample Type: Client
Inject. Date: 04-Aug-2025 13:25:11 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-D-2-A
Misc. Info.: 240-0157591-017
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: KDZ4 Date: 04-Aug-2025 13:49:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1608.9	100.55
$ 8 Phenol-d5	1600.0	1105.5	69.09
$ 9 Nitrobenzene-d5	1600.0	1217.6	76.10
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1265.7	79.11
$ 11 2,4,6-Tribromophenol	1600.0	1287.2	80.45
$ 12 Terphenyl-d14	1600.0	1501.9	93.87

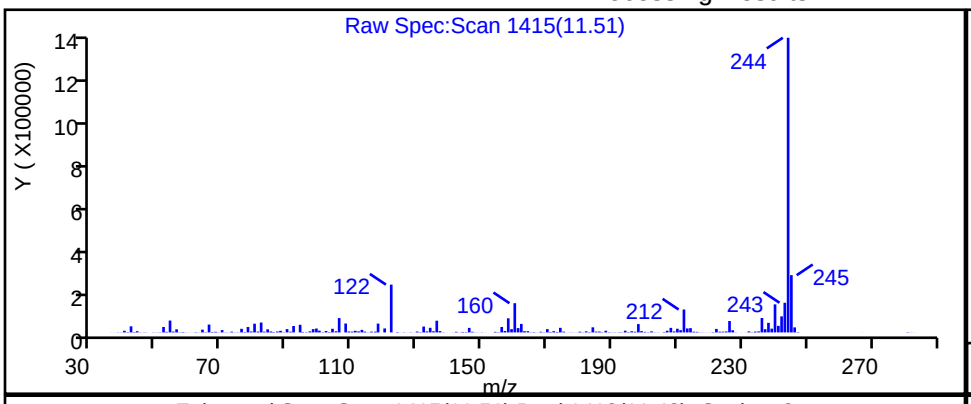
User Disabled Compound Report

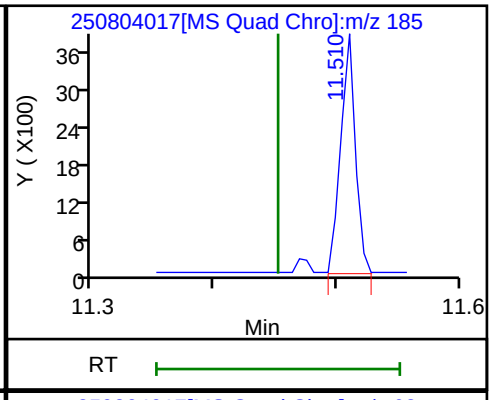
Eurofins Cleveland

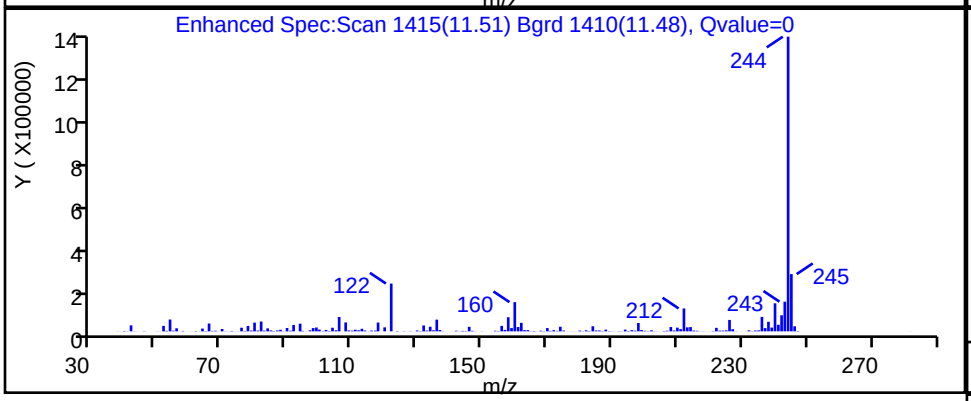
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804017.D				
Injection Date:	04-Aug-2025 13:25:11	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-2-A	Lab Sample ID:	240-229857-2		
Client ID:	16MW8				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

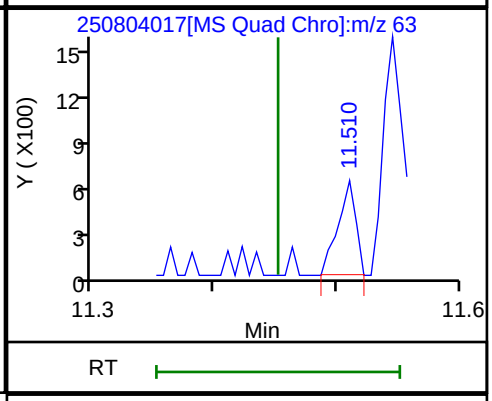
152 Aramite Peak 1, CAS: STL00690

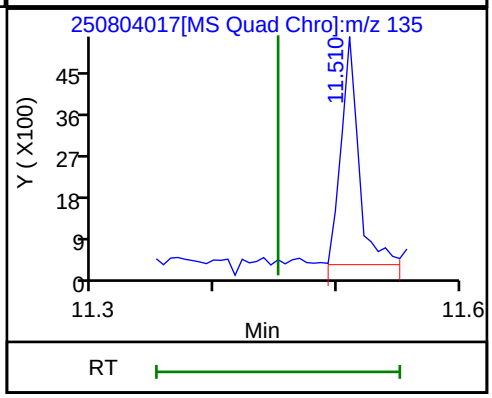
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3170	56.475138
11.51	63.00	638	
11.51	135.00	4878	

Reviewer: KDZ4, 04-Aug-2025 13:45:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

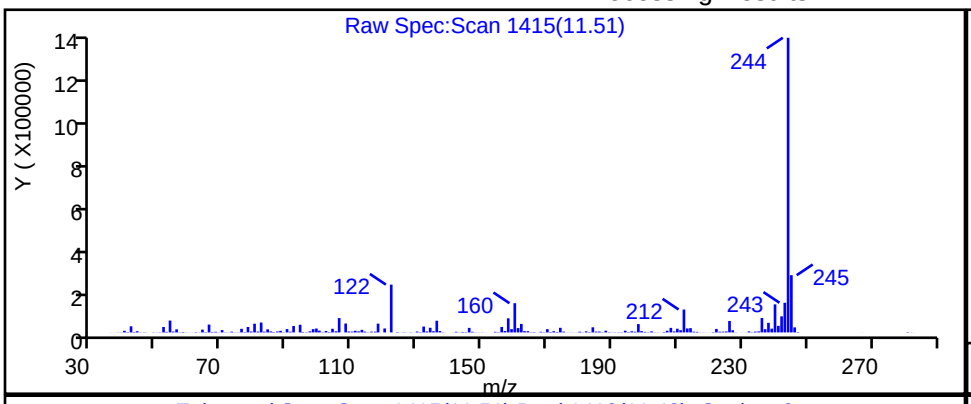
User Disabled Compound Report

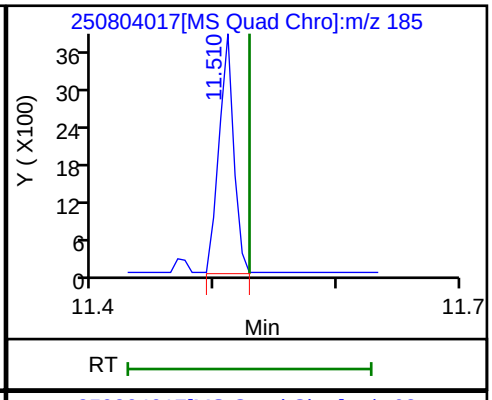
Eurofins Cleveland

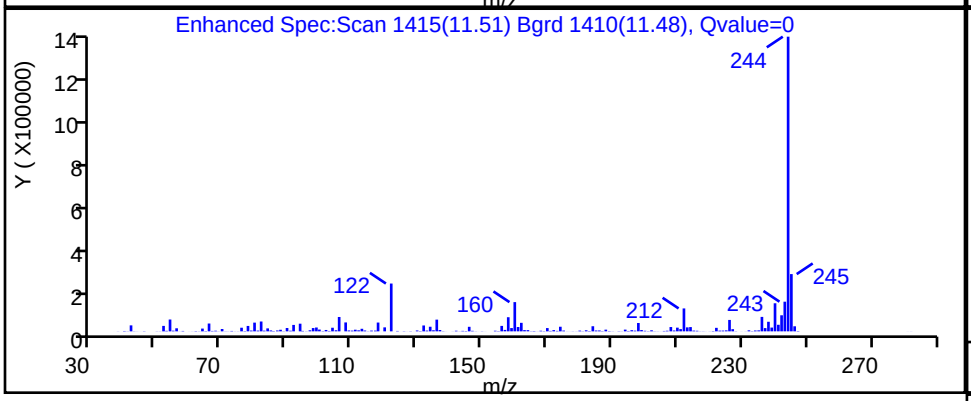
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804017.D				
Injection Date:	04-Aug-2025 13:25:11	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-2-A	Lab Sample ID:	240-229857-2		
Client ID:	16MW8				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

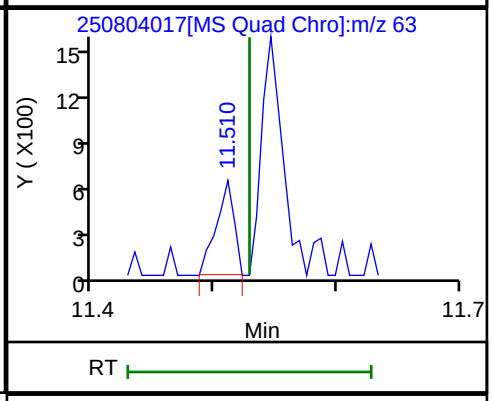
153 Aramite Peak 2, CAS: STL00691

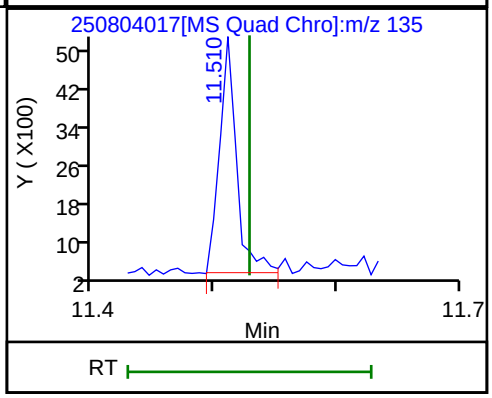
Processing Results











RT	Mass	Response	Amount
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11.51	63.00	638	
11.51	135.00	4878	

Reviewer: KDZ4, 04-Aug-2025 13:45:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

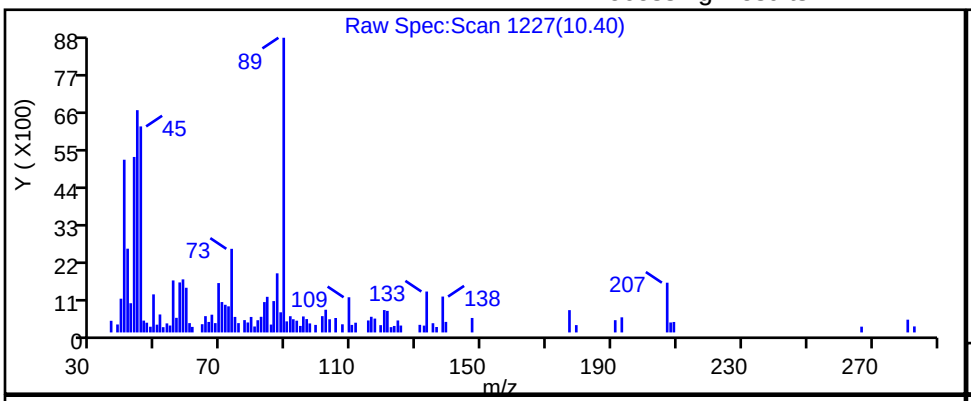
User Disabled Compound Report

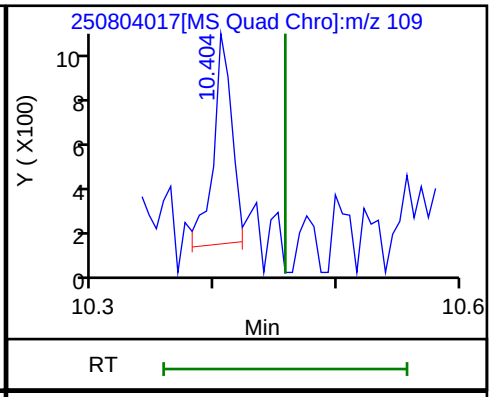
Eurofins Cleveland

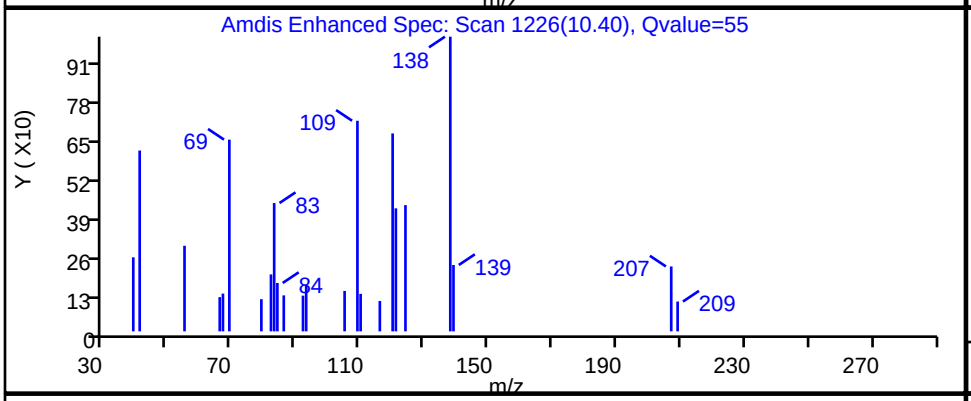
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804017.D				
Injection Date:	04-Aug-2025 13:25:11	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-2-A	Lab Sample ID:	240-229857-2		
Client ID:	16MW8				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

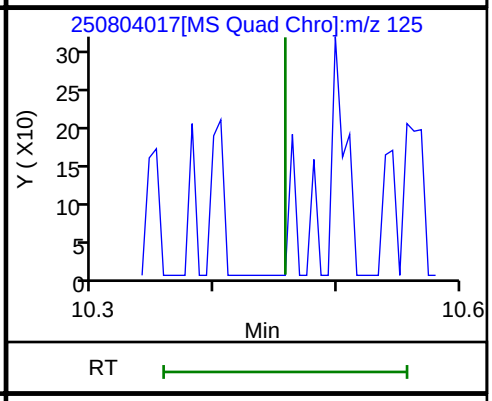
143 Methyl parathion, CAS: 298-00-0

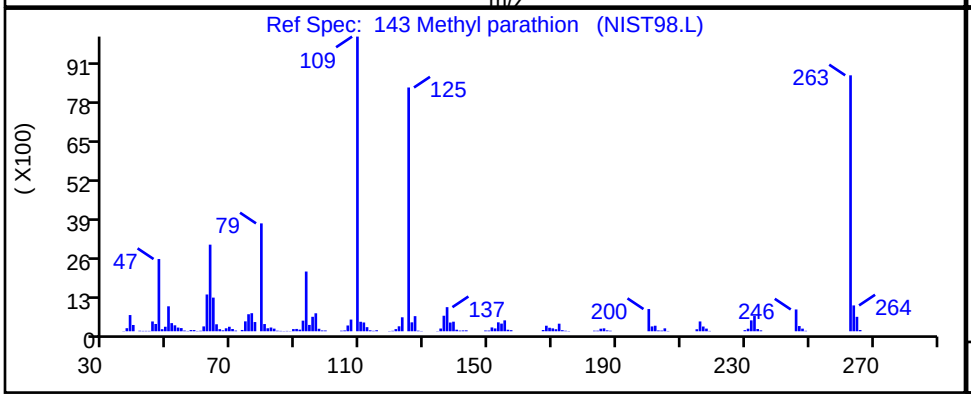
Processing Results

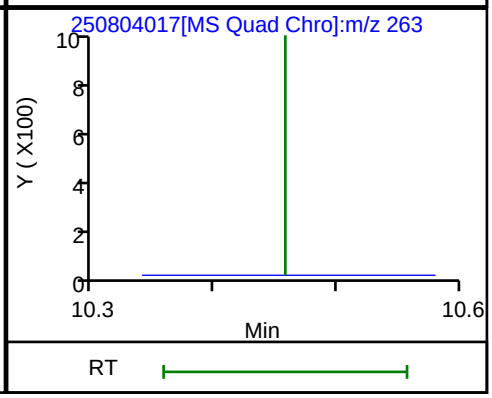












RT	Mass	Response	Amount
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10.46	125.00	0	
10.46	263.00	0	

Reviewer: KDZ4, 04-Aug-2025 13:45:01 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

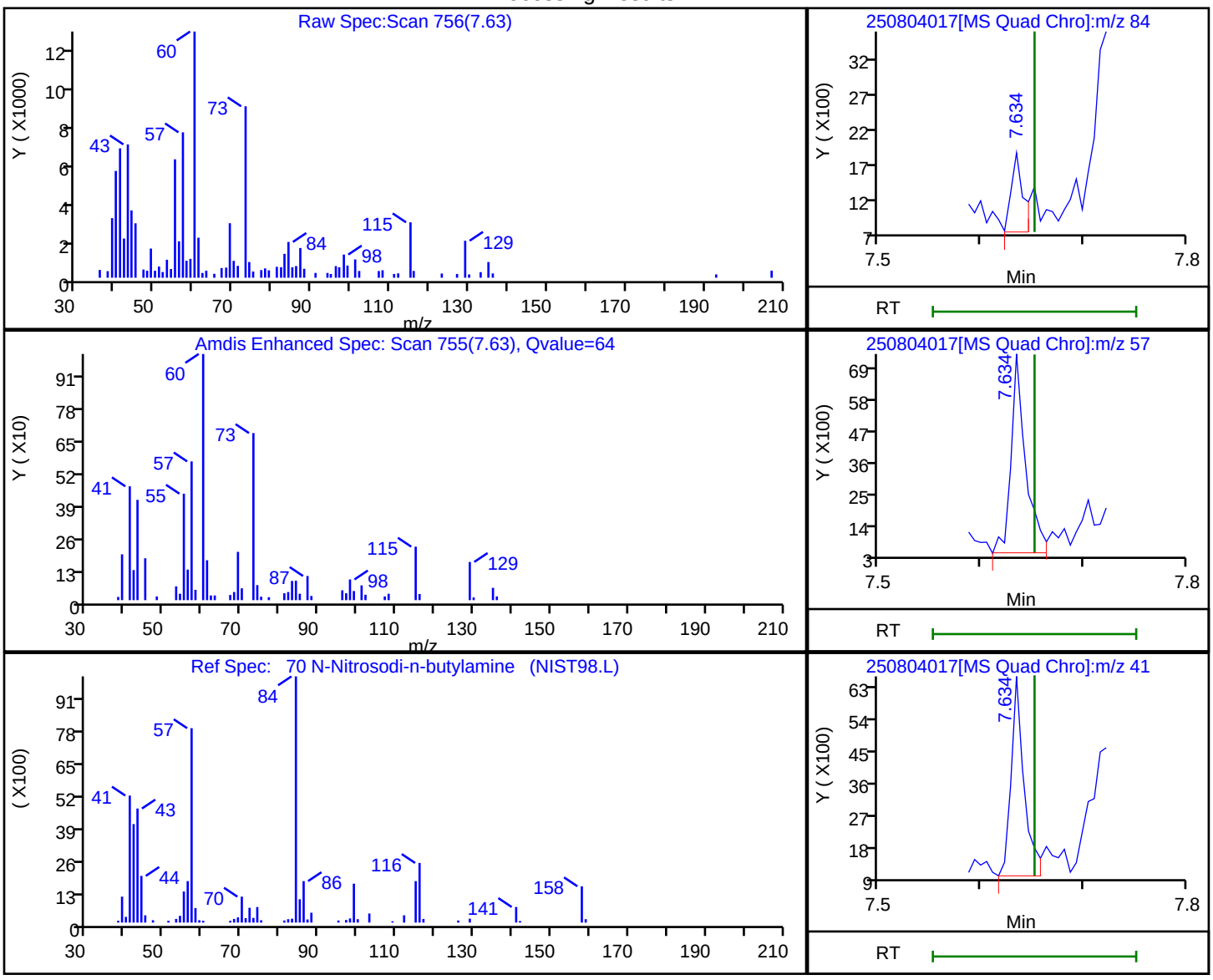
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804017.D				
Injection Date:	04-Aug-2025 13:25:11	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-2-A	Lab Sample ID:	240-229857-2		
Client ID:	16MW8				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

70 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Processing Results



RT	Mass	Response	Amount
7.63	84.00	891	3.279487
7.63	57.00	7075	
7.63	41.00	4981	

Reviewer: KDZ4, 04-Aug-2025 13:44:54 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16MW9 | Lab Sample ID: 240-229857-3

Matrix: Water | Lab File ID: 250804018.D

Analysis Method: 8270E | Date Collected: 07/30/2025 13:15

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 270.5(mL) | Date Analyzed: 08/04/2025 13:47

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	9.2	U	9.2	2.8
130-15-4	1,4-Naphthoquinone	9.2	U	9.2	2.8
134-32-7	1-Naphthylamine	9.2	U	9.2	2.8
105-67-9	2,4-Dimethylphenol	9.2	U	9.2	2.8
51-28-5	2,4-Dinitrophenol	9.2	U	9.2	5.7
53-96-3	2-Acetylaminofluorene	9.2	U	9.2	2.8
91-59-8	2-Naphthylamine	9.2	U	9.2	6.5
109-06-8	2-Picoline	9.2	U *-	9.2	0.92
91-94-1	3,3'-Dichlorobenzidine	9.2	U	9.2	2.8
119-93-7	3,3'-Dimethylbenzidine	9.2	U	9.2	3.0
56-49-5	3-Methylcholanthrene	9.2	U	9.2	0.92
99-09-2	3-Nitroaniline	9.2	U	9.2	1.8
534-52-1	4,6-Dinitro-2-methylphenol	9.2	U	9.2	2.8
92-67-1	4-Aminobiphenyl	9.2	U	9.2	2.8
106-47-8	4-Chloroaniline	9.2	U	9.2	3.0
100-01-6	4-Nitroaniline	9.2	U	9.2	1.4
56-57-5	4-Nitroquinoline-1-oxide	46	U	46	4.6
57-97-6	7,12-Dimethylbenz(a)anthracene	9.2	U	9.2	1.7
98-86-2	Acetophenone	9.2	U	9.2	0.92
62-53-3	Aniline	9.2	U	9.2	1.0
140-57-8	Aramite, Total	9.2	U	9.2	3.4
100-51-6	Benzyl alcohol	9.2	U	9.2	2.8
111-91-1	Bis(2-chloroethoxy)methane	0.92	U	0.92	0.46
111-44-4	Bis(2-chloroethyl)ether	0.92	U	0.92	0.46
85-68-7	Butyl benzyl phthalate	9.2	U	9.2	0.65
510-15-6	Chlorobenzilate	9.2	U	9.2	2.8
84-74-2	Di-n-butyl phthalate	9.2	U	9.2	1.7
298-04-4	Disulfoton	9.2	U	9.2	2.8
56-38-2	Ethyl Parathion	9.2	U	9.2	2.8
52-85-7	Famphur	9.2	U *+	9.2	4.6
77-47-4	Hexachlorocyclopentadiene	9.2	U	9.2	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16MW9 | Lab Sample ID: 240-229857-3

Matrix: Water | Lab File ID: 250804018.D

Analysis Method: 8270E | Date Collected: 07/30/2025 13:15

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 270.5(mL) | Date Analyzed: 08/04/2025 13:47

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	9.2	U	9.2	0.37
78-59-1	Isophorone	9.2	U	9.2	0.46
120-58-1	Isosafrole	4.6	U	4.6	1.5
91-80-5	Methapyrilene	9.2	U *-	9.2	2.8
66-27-3	Methyl methanesulfonate	9.2	U	9.2	0.92
298-00-0	Methyl parathion	9.2	U	9.2	3.0
924-16-3	N-Nitrosodi-n-butylamine	9.2	U	9.2	2.8
621-64-7	N-Nitrosodi-n-propylamine	9.2	U	9.2	0.46
86-30-6	N-Nitrosodiphenylamine	9.2	U	9.2	0.54
10595-95-6	N-Nitrosomethylethylamine	9.2	U	9.2	0.92
930-55-2	N-Nitrosopyrrolidine	9.2	U	9.2	0.46
60-11-7	p-Dimethylamino azobenzene	9.2	U	9.2	2.8
106-50-3	p-Phenylene diamine	140	U *-	140	24
23950-58-5	Pronamide	4.6	U	4.6	1.4
110-86-1	Pyridine	9.2	U	9.2	1.8
95-53-4	2-Toluidine	9.2	U	9.2	3.7
100-02-7	4-Nitrophenol	9.2	U	9.2	2.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	96		43-136
4165-62-2	Phenol-d5 (Surr)	57		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	80		40-120
367-12-4	2-Fluorophenol (Surr)	89		10-127
321-60-8	2-Fluorobiphenyl (Surr)	81		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	79		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804018.D
Lims ID: 240-229857-D-3-A
Client ID: 16MW9
Sample Type: Client
Inject. Date: 04-Aug-2025 13:47:19 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-D-3-A
Misc. Info.: 240-0157591-018
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: D9AH Date: 05-Aug-2025 11:22:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	127513	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	458015	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	92	266837	400.0	
* 4 Phenanthrene-d10	188	10.134	10.134	0.000	98	433552	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	314922	400.0	
* 6 Perylene-d12	264	14.940	14.939	0.001	97	307752	400.0	
$ 7 2-Fluorophenol	112	5.234	5.234	0.000	94	440337	1429.1	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	455466	913.6	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	91	609088	1283.1	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	99	1123719	1289.6	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	90	114975	1264.4	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	97	1216943	1532.7	
15 Pyridine	79		3.999				ND	
18 2-Picoline	93		4.805				ND	
19 N-Nitrosomethylethylamine	88		4.881				ND	
22 Methyl methanesulfonate	80		5.128				ND	
27 Phenol	94		6.010				ND	U
29 Aniline	93		6.052				ND	
30 Bis(2-chloroethyl)ether	93		6.081				ND	
32 2-Chlorophenol	128		6.163				ND	
37 Benzyl alcohol	108		6.428				ND	
40 2-Methylphenol	108		6.510				ND	
45 3 & 4 Methylphenol	108		6.634				ND	
46 N-Nitrosodi-n-propylamine	70		6.640				ND	
48 Acetophenone	105		6.652				ND	
43 N-Nitrosopyrrolidine	100		6.675				ND	
47 2-Toluidine	106		6.734				ND	
49 Hexachloroethane	117		6.769				ND	
53 Isophorone	82		6.993				ND	
55 2-Nitrophenol	139		7.069				ND	
54 2,4-Dimethylphenol	107		7.081				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
58 Bis(2-chloroethoxy)methane	93		7.152				ND	
61 2,4-Dichlorophenol	162		7.269				ND	
65 4-Chloroaniline	127		7.446				ND	
66 2,6-Dichlorophenol	162		7.457				ND	
70 N-Nitrosodi-n-butylamine	84		7.652				ND	U
71 p-Phenylene diamine	108		7.781				ND	
73 4-Chloro-3-methylphenol	107		7.834				ND	
75 Isosafrole Peak 1	162		8.093				ND	
82 Hexachlorocyclopentadiene	237		8.134				ND	
85 2,4,6-Trichlorophenol	196		8.222				ND	
86 2,4,5-Trichlorophenol	196		8.263				ND	
87 Isosafrole Peak 2	162		8.263				ND	
92 1,4-Naphthoquinone	158		8.487				ND	
98 3-Nitroaniline	138		8.816				ND	
99 2,4-Dinitrophenol	184		8.899				ND	
101 4-Nitrophenol	109		8.934				ND	
106 1-Naphthylamine	143		9.122				ND	
108 2,3,4,6-Tetrachlorophenol	232		9.152				ND	
109 2-Naphthylamine	143		9.157				ND	
115 4-Nitroaniline	138		9.334				ND	
117 4,6-Dinitro-2-methylphenol	198		9.357				ND	
113 N-Nitro-o-toluidine	152		9.375				ND	
118 N-Nitrosodiphenylamine	169		9.410				ND	U
123 1,3,5-Trinitrobenzene	213		9.616				ND	
134 Pronamide	173		9.922				ND	
132 4-Aminobiphenyl	169		9.958				ND	
137 Disulfoton	88		10.093				ND	
143 Methyl parathion	109		10.457				ND	U
144 Di-n-butyl phthalate	149	10.558	10.557	0.007	100	27093	19.6	
145 Ethyl Parathion	97		10.675				ND	
146 4-Nitroquinoline-1-oxide	190		10.799				ND	
147 Methapyrilene	58		10.840				ND	
152 Aramite Peak 1	185		11.451				ND	U
153 Aramite Peak 2	185		11.528				ND	U
154 p-Dimethylamino azobenzene	225		11.710				ND	
155 Chlorobenzilate	139		11.740				ND	
157 Butyl benzyl phthalate	149		11.987				ND	
156 Famphur	218		12.010				ND	
158 3,3'-Dimethylbenzidine	212		12.081				ND	
160 2-Acetylaminofluorene	181		12.393				ND	
163 3,3'-Dichlorobenzidine	252		12.692				ND	
168 7,12-Dimethylbenz(a)anthracene	256		14.410				ND	
172 3-Methylcholanthrene	268		15.416				ND	
S 199 Isosafrole	162		5.181				ND	7
S 201 Aramite, Total	185		7.898				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

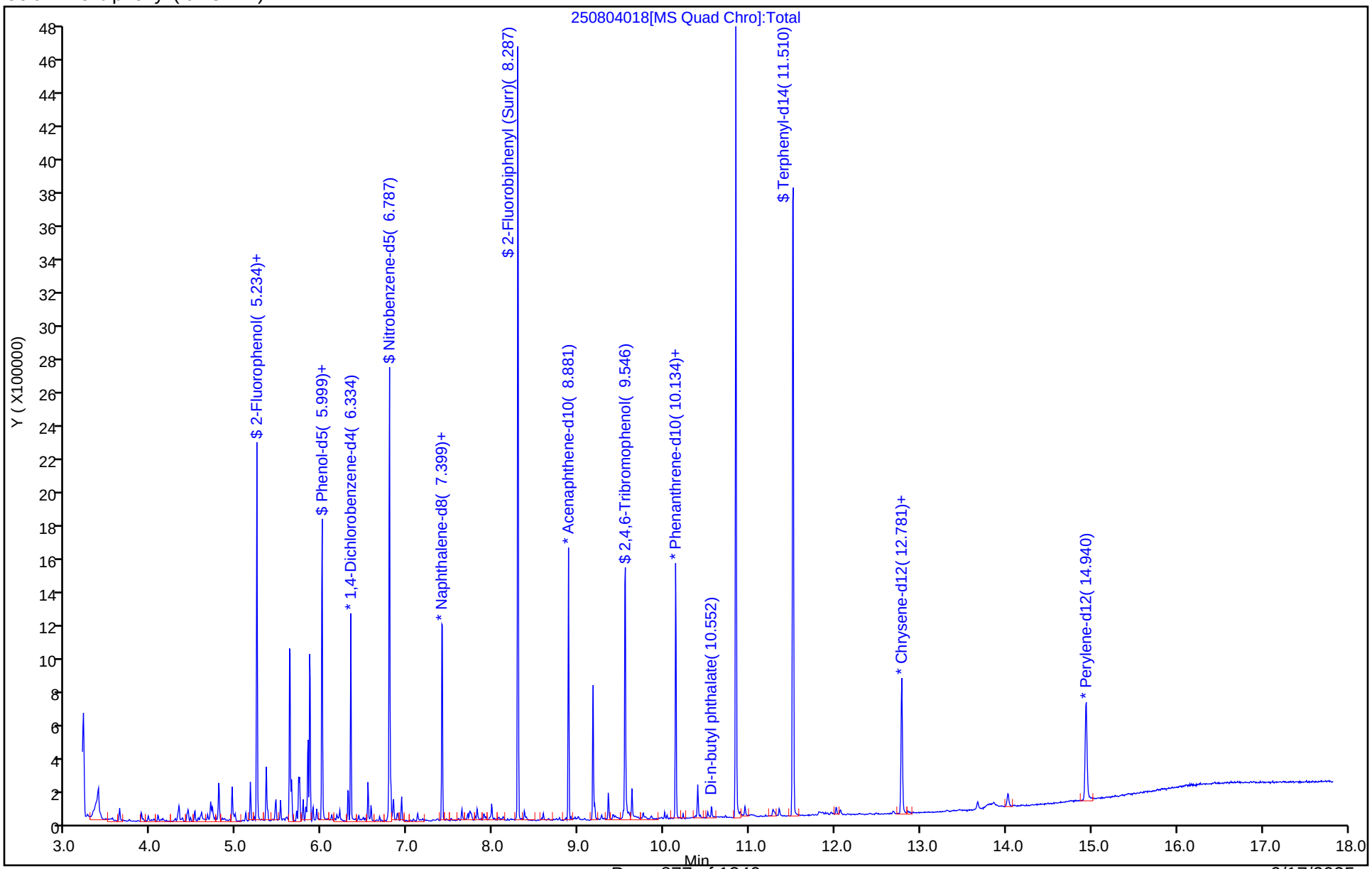
Report Date: 08-Sep-2025 12:38:26 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804018.D

Injection Date:	04-Aug-2025 13:47:19	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	240-229857-D-3-A	Lab Sample ID:	240-229857-3	Worklist Smp#:	18
Client ID:	16MW9				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804018.D
Lims ID: 240-229857-D-3-A
Client ID: 16MW9
Sample Type: Client
Inject. Date: 04-Aug-2025 13:47:19 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-D-3-A
Misc. Info.: 240-0157591-018
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: D9AH Date: 05-Aug-2025 11:22:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1429.1	89.32
$ 8 Phenol-d5	1600.0	913.6	57.10
$ 9 Nitrobenzene-d5	1600.0	1283.1	80.19
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1289.6	80.60
$ 11 2,4,6-Tribromophenol	1600.0	1264.4	79.03
$ 12 Terphenyl-d14	1600.0	1532.7	95.79

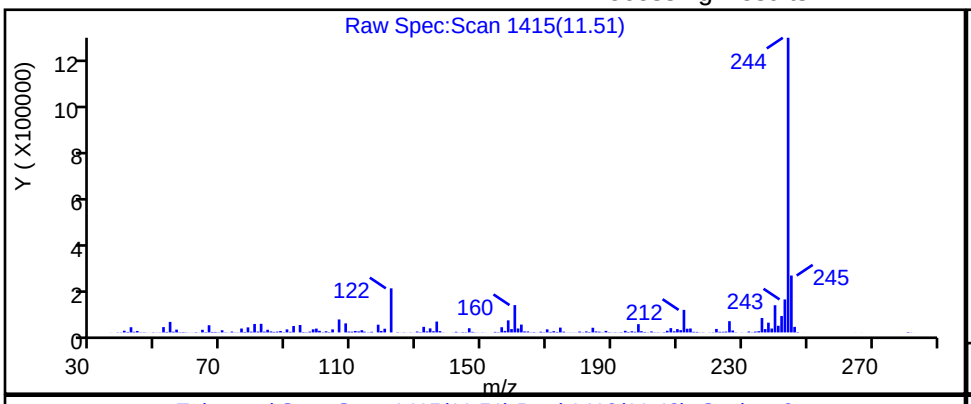
User Disabled Compound Report

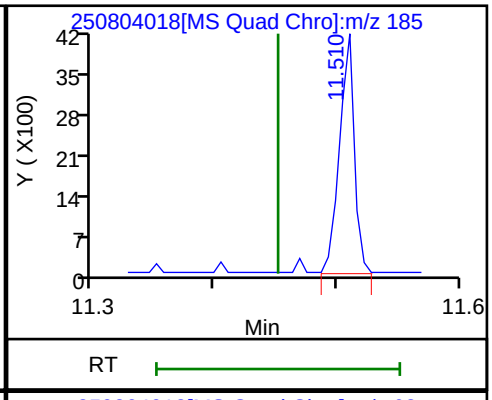
Eurofins Cleveland

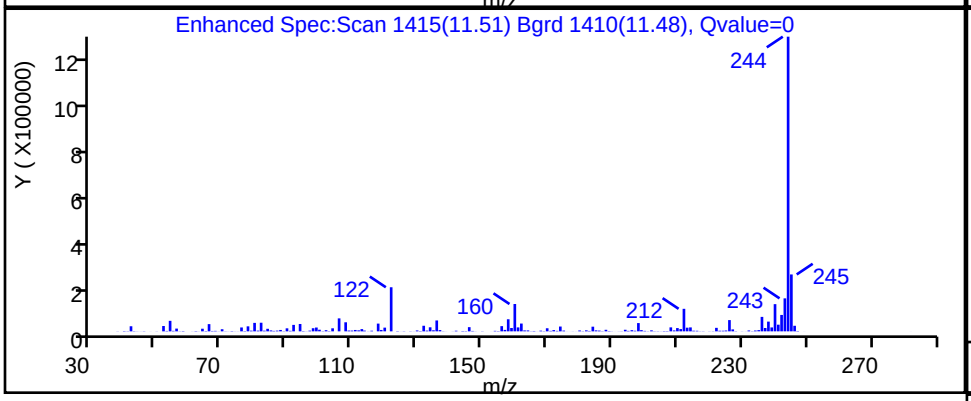
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804018.D				
Injection Date:	04-Aug-2025 13:47:19	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-3-A	Lab Sample ID:	240-229857-3		
Client ID:	16MW9				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

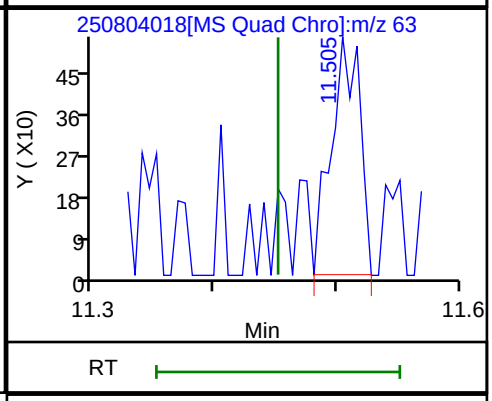
152 Aramite Peak 1, CAS: STL00690

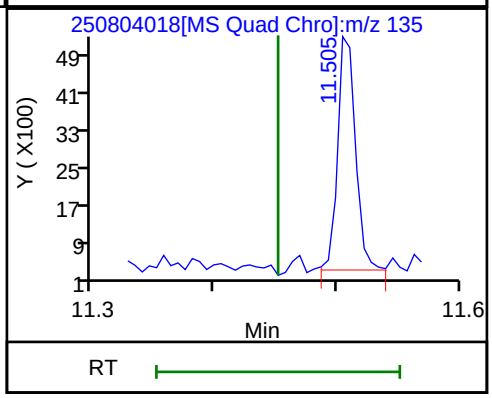
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3534	60.053388
11.50	63.00	861	
11.50	135.00	4920	

Reviewer: D9AH, 05-Aug-2025 11:22:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

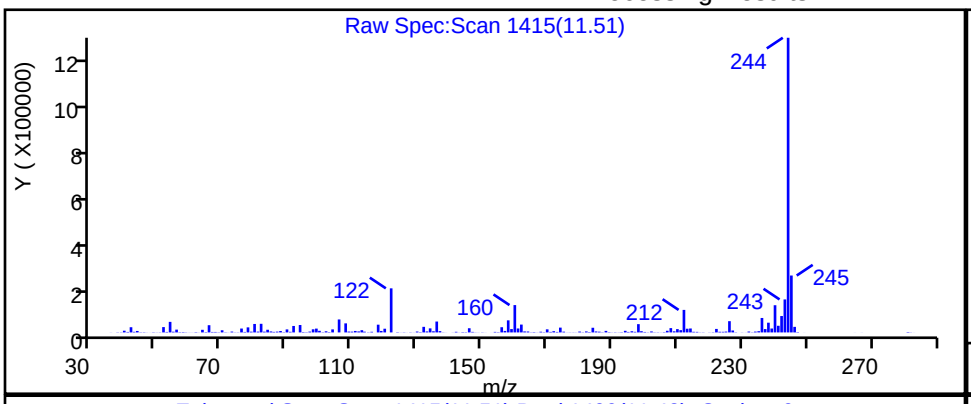
User Disabled Compound Report

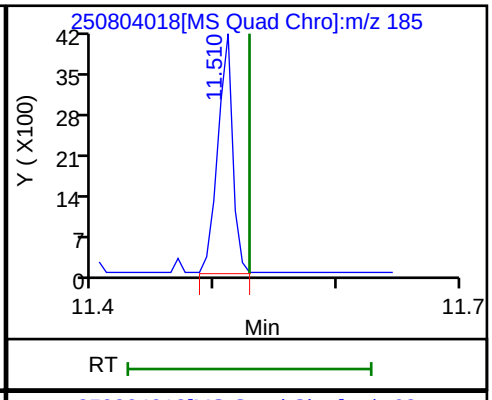
Eurofins Cleveland

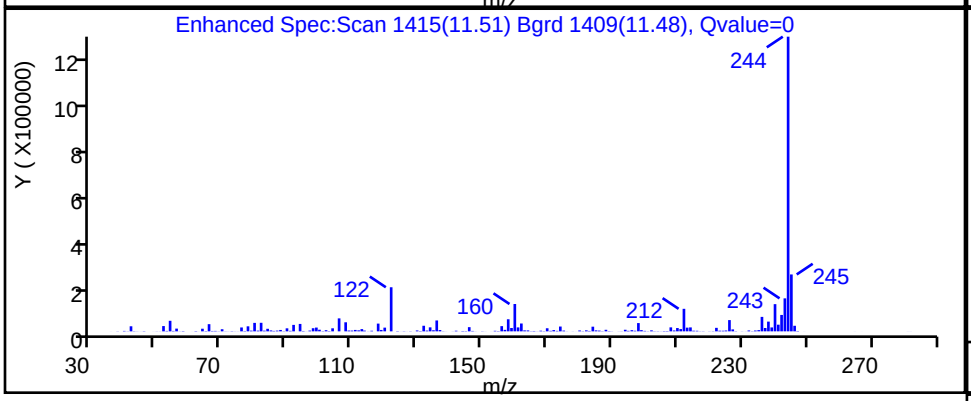
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804018.D				
Injection Date:	04-Aug-2025 13:47:19	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-3-A	Lab Sample ID:	240-229857-3		
Client ID:	16MW9				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

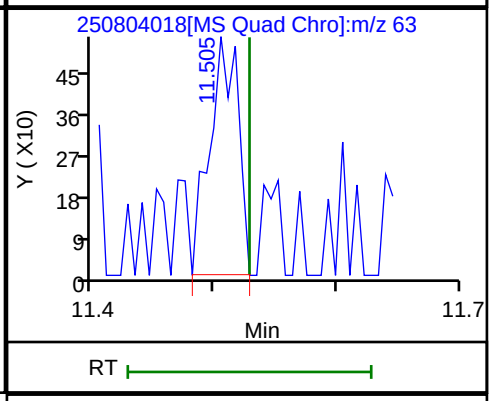
153 Aramite Peak 2, CAS: STL00691

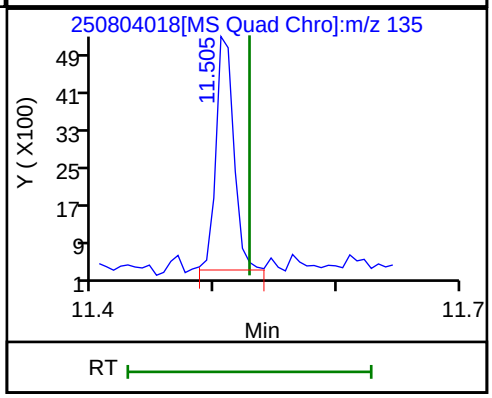
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3534	41.122807
11.50	63.00	861	
11.50	135.00	4920	

Reviewer: D9AH, 05-Aug-2025 11:22:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

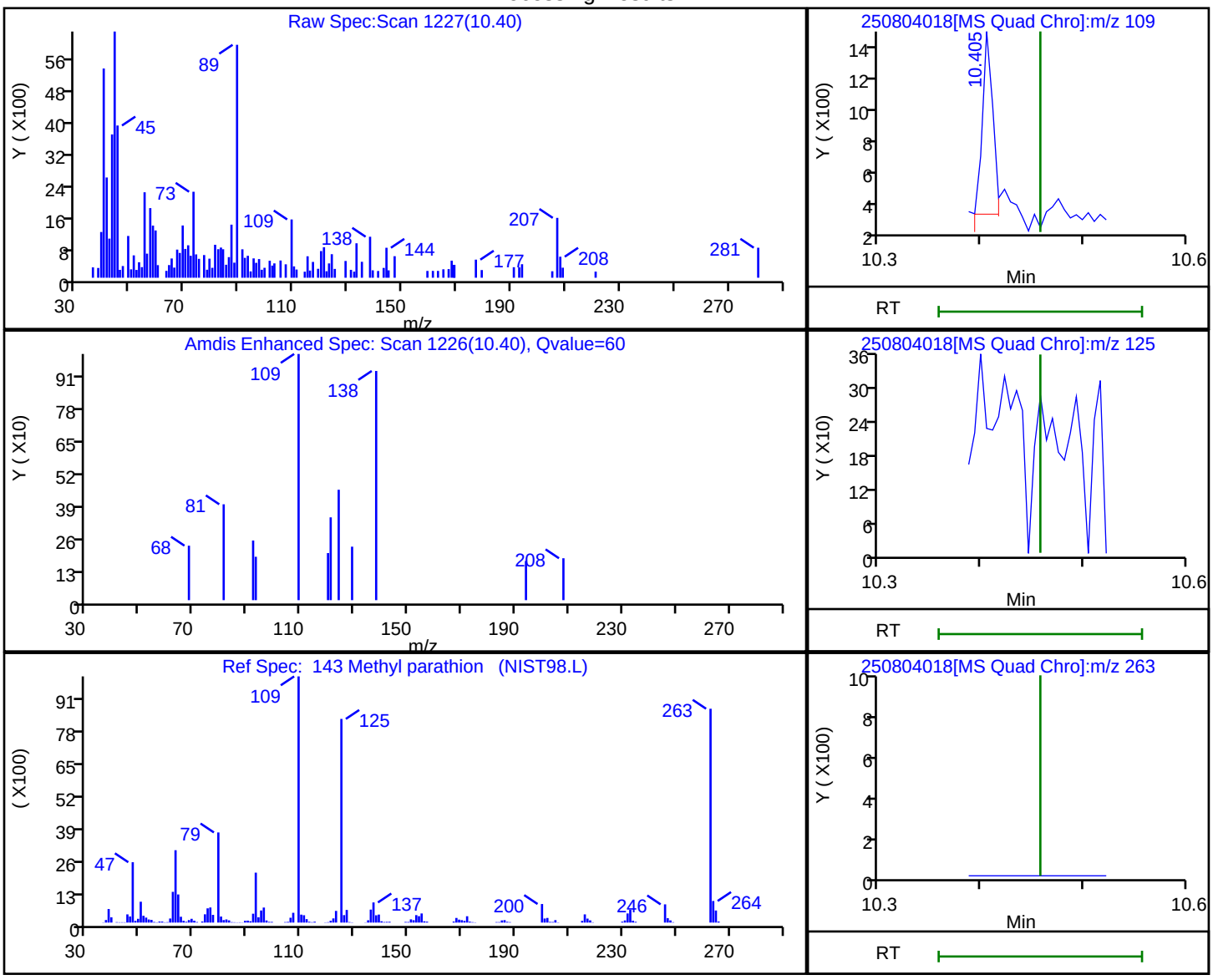
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804018.D				
Injection Date:	04-Aug-2025 13:47:19	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-3-A	Lab Sample ID:	240-229857-3		
Client ID:	16MW9				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

143 Methyl parathion, CAS: 298-00-0

Processing Results



RT	Mass	Response	Amount
10.40	109.00	811	46.112897
10.46	125.00	0	
10.46	263.00	0	

Reviewer: D9AH, 05-Aug-2025 11:22:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

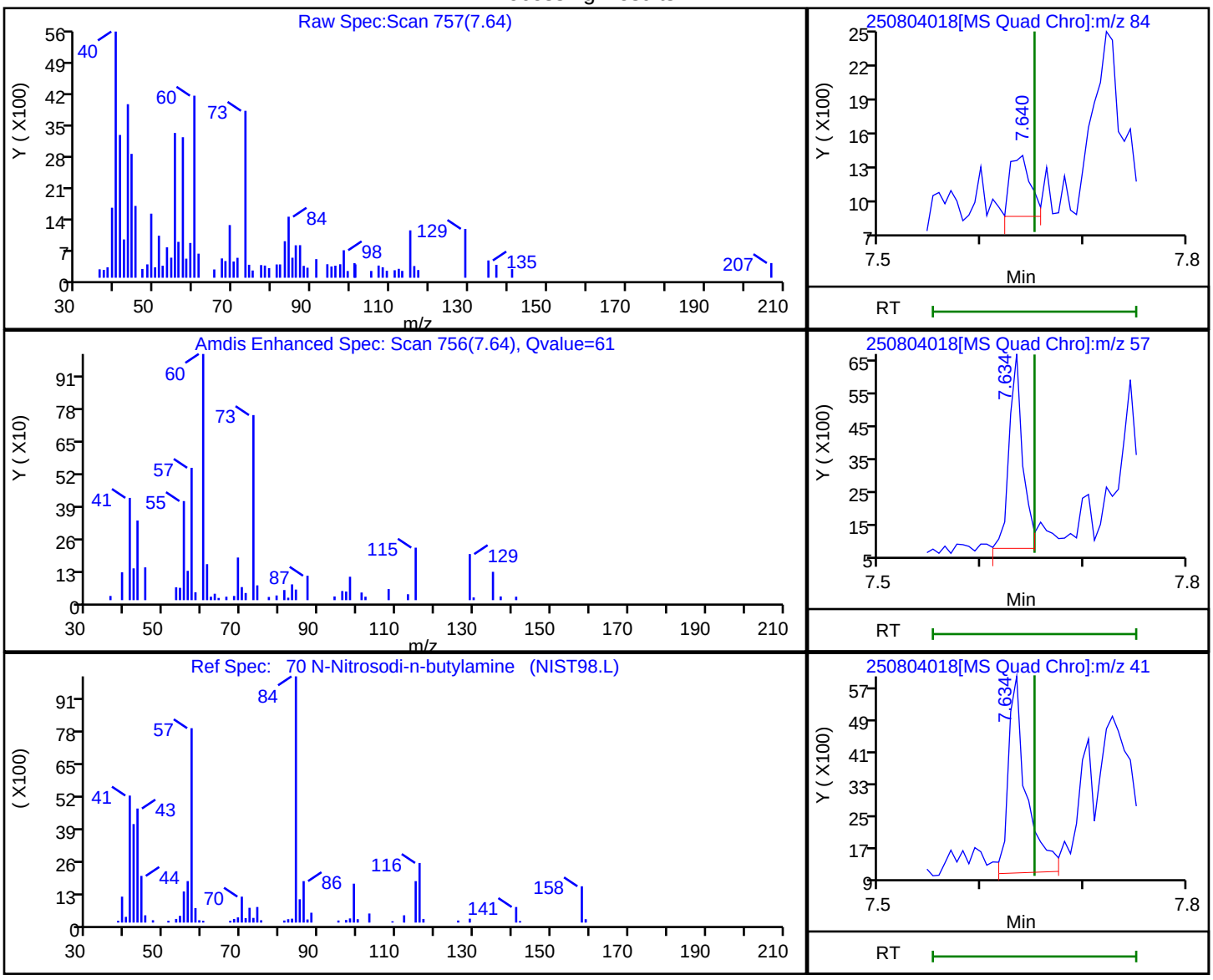
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804018.D				
Injection Date:	04-Aug-2025 13:47:19	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-3-A	Lab Sample ID:	240-229857-3		
Client ID:	16MW9				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

70 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Processing Results



RT	Mass	Response	Amount
7.64	84.00	705	2.717233
7.63	57.00	5416	
7.63	41.00	6133	

Reviewer: D9AH, 05-Aug-2025 11:21:49 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

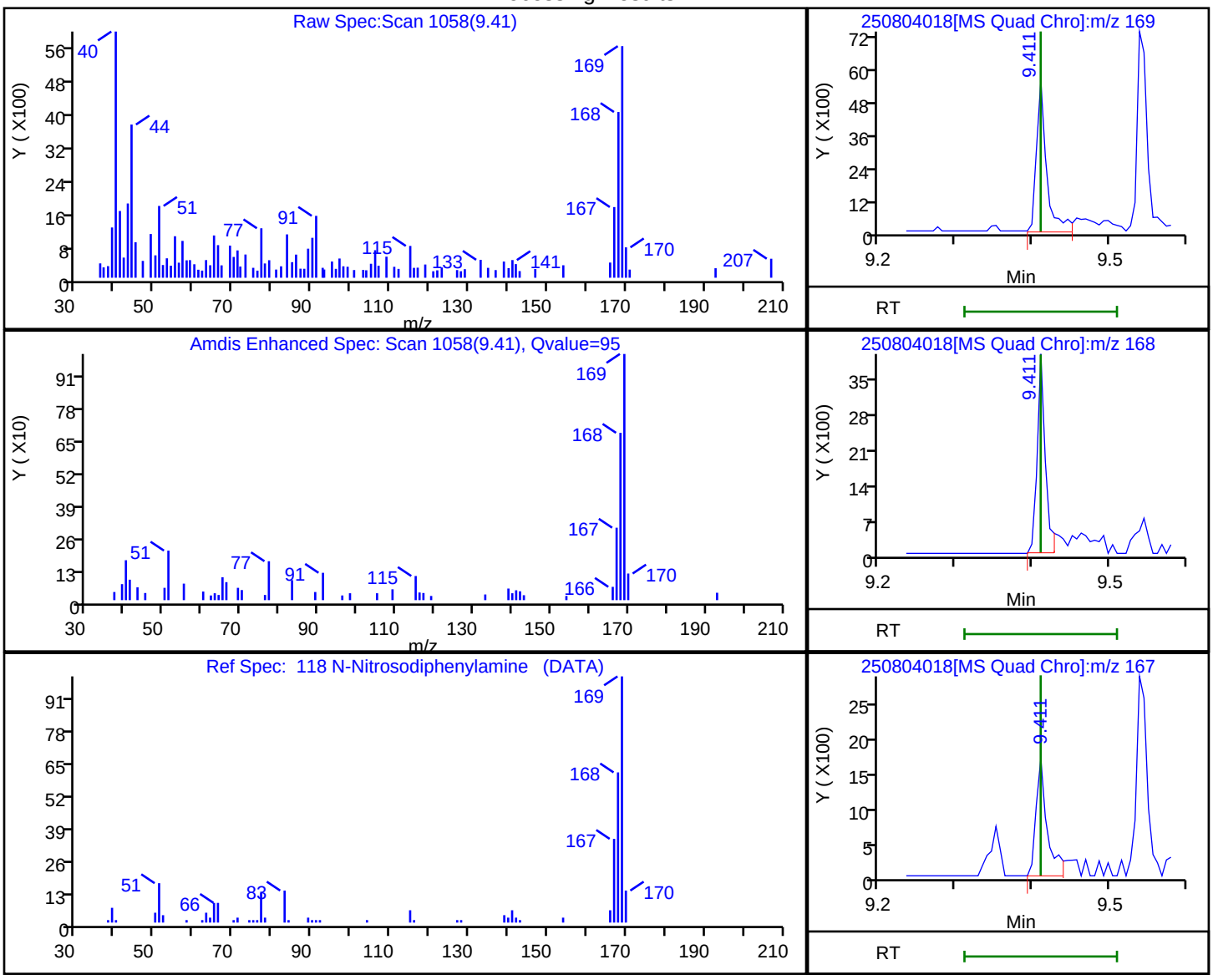
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804018.D				
Injection Date:	04-Aug-2025 13:47:19	Instrument ID:	A4AG3		
Lims ID:	240-229857-D-3-A	Lab Sample ID:	240-229857-3		
Client ID:	16MW9				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

118 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
9.41	169.00	5081	7.828914
9.41	168.00	2966	
9.41	167.00	1732	

Reviewer: D9AH, 05-Aug-2025 11:21:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A | Lab Sample ID: 240-229857-4

Matrix: Water | Lab File ID: 250804019.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 264.4(mL) | Date Analyzed: 08/04/2025 14:09

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	9.5	U	9.5	2.8
130-15-4	1,4-Naphthoquinone	9.5	U	9.5	2.8
134-32-7	1-Naphthylamine	9.5	U	9.5	2.8
105-67-9	2,4-Dimethylphenol	9.5	U	9.5	2.8
51-28-5	2,4-Dinitrophenol	9.5	U	9.5	5.9
53-96-3	2-Acetylaminofluorene	9.5	U	9.5	2.8
91-59-8	2-Naphthylamine	9.5	U	9.5	6.6
109-06-8	2-Picoline	9.5	U *-	9.5	0.95
91-94-1	3,3'-Dichlorobenzidine	9.5	U	9.5	2.8
119-93-7	3,3'-Dimethylbenzidine	9.5	U	9.5	3.1
56-49-5	3-Methylcholanthrene	9.5	U	9.5	0.95
99-09-2	3-Nitroaniline	9.5	U	9.5	1.9
534-52-1	4,6-Dinitro-2-methylphenol	9.5	U	9.5	2.8
92-67-1	4-Aminobiphenyl	9.5	U	9.5	2.8
106-47-8	4-Chloroaniline	9.5	U	9.5	3.1
100-01-6	4-Nitroaniline	9.5	U	9.5	1.4
56-57-5	4-Nitroquinoline-1-oxide	47	U	47	4.7
57-97-6	7,12-Dimethylbenz(a)anthracene	9.5	U	9.5	1.7
98-86-2	Acetophenone	9.5	U	9.5	0.95
62-53-3	Aniline	9.5	U	9.5	1.0
140-57-8	Aramite, Total	9.5	U	9.5	3.5
100-51-6	Benzyl alcohol	9.5	U	9.5	2.8
111-91-1	Bis(2-chloroethoxy)methane	0.95	U	0.95	0.47
111-44-4	Bis(2-chloroethyl)ether	0.95	U	0.95	0.47
85-68-7	Butyl benzyl phthalate	9.5	U	9.5	0.66
510-15-6	Chlorobenzilate	9.5	U	9.5	2.8
84-74-2	Di-n-butyl phthalate	9.5	U	9.5	1.7
298-04-4	Disulfoton	9.5	U	9.5	2.8
56-38-2	Ethyl Parathion	9.5	U	9.5	2.8
52-85-7	Famphur	9.5	U *+	9.5	4.7
77-47-4	Hexachlorocyclopentadiene	9.5	U	9.5	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A | Lab Sample ID: 240-229857-4

Matrix: Water | Lab File ID: 250804019.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 264.4(mL) | Date Analyzed: 08/04/2025 14:09

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	9.5	U	9.5	0.38
78-59-1	Isophorone	9.5	U	9.5	0.47
120-58-1	Isosafrole	4.7	U	4.7	1.5
91-80-5	Methapyrilene	9.5	U *-	9.5	2.8
66-27-3	Methyl methanesulfonate	9.5	U	9.5	0.95
298-00-0	Methyl parathion	9.5	U	9.5	3.0
924-16-3	N-Nitrosodi-n-butylamine	9.5	U	9.5	2.8
621-64-7	N-Nitrosodi-n-propylamine	9.5	U	9.5	0.47
86-30-6	N-Nitrosodiphenylamine	9.5	U	9.5	0.55
10595-95-6	N-Nitrosomethylethylamine	9.5	U	9.5	0.95
930-55-2	N-Nitrosopyrrolidine	9.5	U	9.5	0.47
60-11-7	p-Dimethylamino azobenzene	9.5	U	9.5	2.8
106-50-3	p-Phenylene diamine	140	U *-	140	25
23950-58-5	Pronamide	4.7	U	4.7	1.4
110-86-1	Pyridine	9.5	U F2	9.5	1.9
95-53-4	2-Toluidine	9.5	U	9.5	3.8
100-02-7	4-Nitrophenol	9.5	U	9.5	2.8
95-95-4	2,4,5-Trichlorophenol	9.5	U	9.5	1.9
120-83-2	2,4-Dichlorophenol	9.5	U	9.5	1.5
59-50-7	4-Chloro-3-methylphenol	9.5	U	9.5	0.95
88-75-5	2-Nitrophenol	9.5	U	9.5	1.2
88-06-2	2,4,6-Trichlorophenol	9.5	U	9.5	1.7
95-48-7	2-Methylphenol	9.5	U	9.5	0.91
87-65-0	2,6-Dichlorophenol	9.5	U	9.5	1.3
95-57-8	2-Chlorophenol	9.5	U	9.5	0.95
108-95-2	Phenol	9.5	U	9.5	0.73
58-90-2	2,3,4,6-Tetrachlorophenol	9.5	U	9.5	1.7
15831-10-4	3 & 4 Methylphenol	19	U	19	2.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A | Lab Sample ID: 240-229857-4

Matrix: Water | Lab File ID: 250804019.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 264.4(mL) | Date Analyzed: 08/04/2025 14:09

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	93		43-136
4165-62-2	Phenol-d5 (Surr)	64		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	77		40-120
367-12-4	2-Fluorophenol (Surr)	88		10-127
321-60-8	2-Fluorobiphenyl (Surr)	79		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	74		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804019.D
Lims ID: 240-229857-E-4-A
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 04-Aug-2025 14:09:21 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-4-A
Misc. Info.: 240-0157591-019
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 13:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: PYO9 Date: 08-Sep-2025 17:13:05

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	114534	400.0	
*	2 Naphthalene-d8	136	7.405	7.399	0.006	100	433691	400.0	
*	3 Acenaphthene-d10	164	8.881	8.881	0.000	93	270431	400.0	
*	4 Phenanthrene-d10	188	10.140	10.134	0.006	97	433933	400.0	
*	5 Chrysene-d12	240	12.787	12.781	0.006	99	315776	400.0	
*	6 Perylene-d12	264	14.945	14.939	0.006	96	315662	400.0	
$	7 2-Fluorophenol	112	5.240	5.234	0.006	94	391705	1415.3	
$	8 Phenol-d5	99	5.999	5.999	0.000	0	458489	1023.9	
$	9 Nitrobenzene-d5	82	6.787	6.792	0.000	93	551634	1227.2	
$	10 2-Fluorobiphenyl (Surr)	172	8.293	8.287	0.006	100	1109648	1256.6	
$	11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	87	109275	1185.8	
$	12 Terphenyl-d14	244	11.510	11.504	0.006	97	1180532	1482.7	
	15 Pyridine	79		3.999				ND	
	18 2-Picoline	93		4.805				ND	
	19 N-Nitrosomethylethylamine	88		4.881				ND	
	22 Methyl methanesulfonate	80		5.128				ND	
	27 Phenol	94		6.010				ND	
	29 Aniline	93		6.052				ND	
	30 Bis(2-chloroethyl)ether	93		6.081				ND	
	32 2-Chlorophenol	128		6.163				ND	
	37 Benzyl alcohol	108		6.428				ND	
	40 2-Methylphenol	108		6.510				ND	
	45 3 & 4 Methylphenol	108		6.634				ND	
	46 N-Nitrosodi-n-propylamine	70		6.640				ND	
	48 Acetophenone	105		6.652				ND	
	43 N-Nitrosopyrrolidine	100		6.675				ND	
	47 2-Toluidine	106		6.734				ND	
	49 Hexachloroethane	117		6.769				ND	
	53 Isophorone	82		6.993				ND	
	55 2-Nitrophenol	139		7.069				ND	
	54 2,4-Dimethylphenol	107		7.081				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
58 Bis(2-chloroethoxy)methane	93		7.152				ND	
61 2,4-Dichlorophenol	162		7.269				ND	
65 4-Chloroaniline	127		7.446				ND	
66 2,6-Dichlorophenol	162		7.457				ND	
70 N-Nitrosodi-n-butylamine	84		7.652				ND	
71 p-Phenylene diamine	108		7.781				ND	
73 4-Chloro-3-methylphenol	107		7.834				ND	
75 Isosafrole Peak 1	162		8.093				ND	
82 Hexachlorocyclopentadiene	237		8.134				ND	
85 2,4,6-Trichlorophenol	196		8.222				ND	
86 2,4,5-Trichlorophenol	196		8.263				ND	
87 Isosafrole Peak 2	162		8.263				ND	
92 1,4-Naphthoquinone	158		8.487				ND	
98 3-Nitroaniline	138		8.816				ND	
99 2,4-Dinitrophenol	184		8.899				ND	
101 4-Nitrophenol	109		8.934				ND	
106 1-Naphthylamine	143		9.122				ND	
108 2,3,4,6-Tetrachlorophenol	232		9.152				ND	
109 2-Naphthylamine	143		9.157				ND	
115 4-Nitroaniline	138		9.334				ND	
117 4,6-Dinitro-2-methylphenol	198		9.357				ND	
113 N-Nitro-o-toluidine	152		9.375				ND	
118 N-Nitrosodiphenylamine	169		9.410				ND	U
123 1,3,5-Trinitrobenzene	213		9.616				ND	
134 Pronamide	173		9.922				ND	
132 4-Aminobiphenyl	169		9.958				ND	
137 Disulfoton	88		10.093				ND	
143 Methyl parathion	109		10.457				ND	
144 Di-n-butyl phthalate	149	10.557	10.557	0.006	99	22035	16.0	
145 Ethyl Parathion	97		10.675				ND	
146 4-Nitroquinoline-1-oxide	190		10.799				ND	
147 Methapyrilene	58		10.840				ND	
152 Aramite Peak 1	185		11.451				ND	U
153 Aramite Peak 2	185		11.528				ND	U
154 p-Dimethylamino azobenzene	225		11.710				ND	
155 Chlorobenzilate	139		11.740				ND	
157 Butyl benzyl phthalate	149		11.987				ND	
156 Famphur	218		12.010				ND	
158 3,3'-Dimethylbenzidine	212		12.081				ND	
160 2-Acetylaminofluorene	181		12.393				ND	
163 3,3'-Dichlorobenzidine	252		12.692				ND	
168 7,12-Dimethylbenz(a)anthracene	256		14.410				ND	
172 3-Methylcholanthrene	268		15.416				ND	
S 199 Isosafrole	162		5.181				ND	7
S 201 Aramite, Total	185		7.898				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

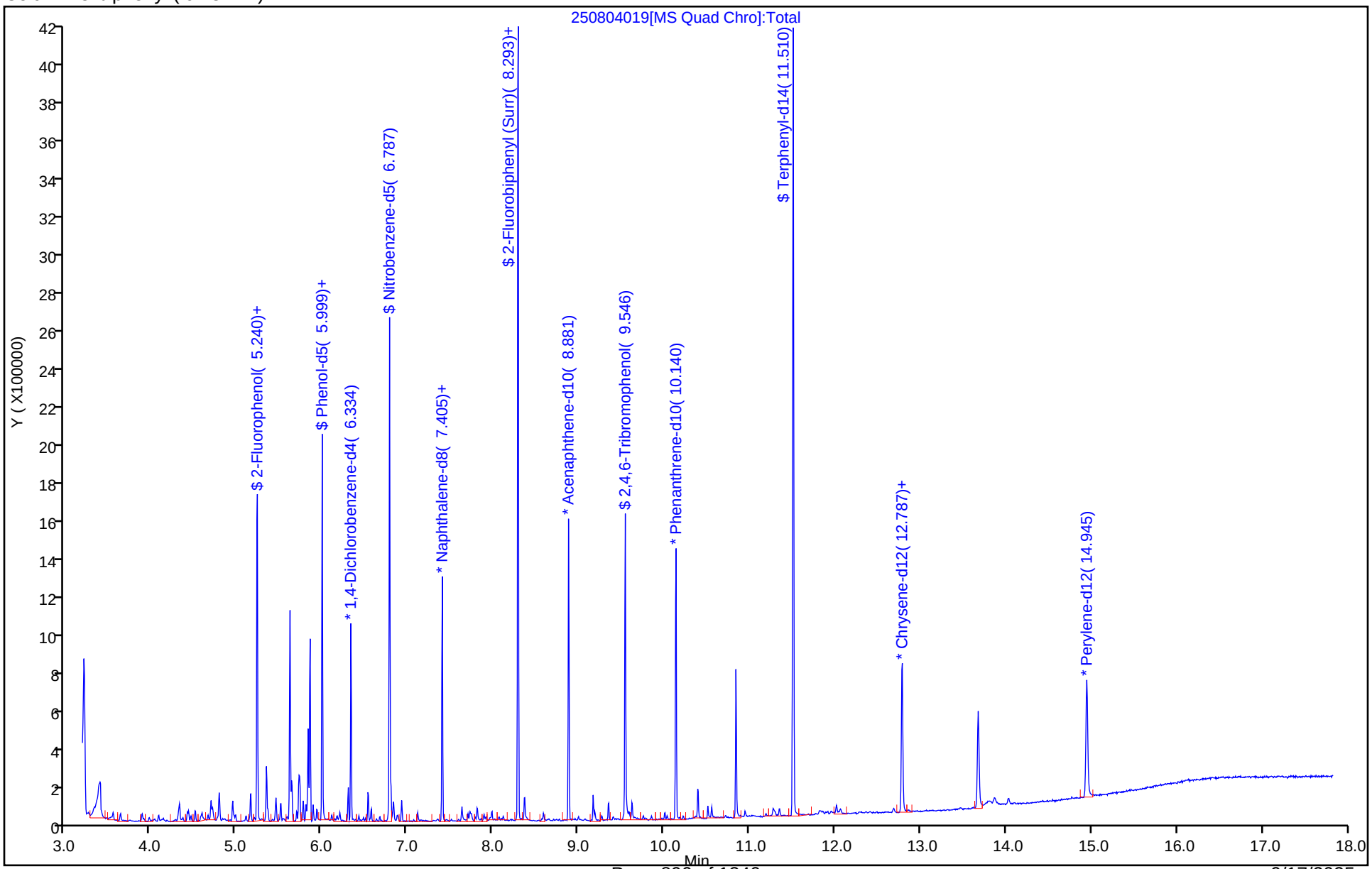
Report Date: 08-Sep-2025 17:13:46 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804019.D

Injection Date:	04-Aug-2025 14:09:21	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	240-229857-E-4-A	Lab Sample ID:	240-229857-4	Worklist Smp#:	19
Client ID:	16WC1A				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804019.D
Lims ID: 240-229857-E-4-A
Client ID: 16WC1A
Sample Type: Client
Inject. Date: 04-Aug-2025 14:09:21 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-4-A
Misc. Info.: 240-0157591-019
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 13:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: PYO9 Date: 08-Sep-2025 17:13:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1415.3	88.46
$ 8 Phenol-d5	1600.0	1023.9	64.00
$ 9 Nitrobenzene-d5	1600.0	1227.2	76.70
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1256.6	78.53
$ 11 2,4,6-Tribromophenol	1600.0	1185.8	74.11
$ 12 Terphenyl-d14	1600.0	1482.7	92.67

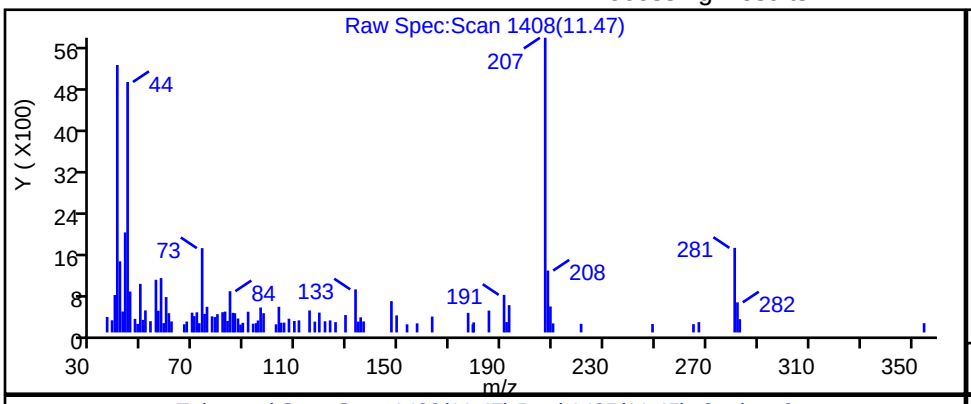
User Disabled Compound Report

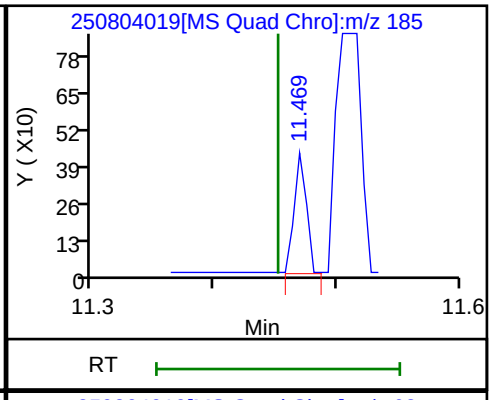
Eurofins Cleveland

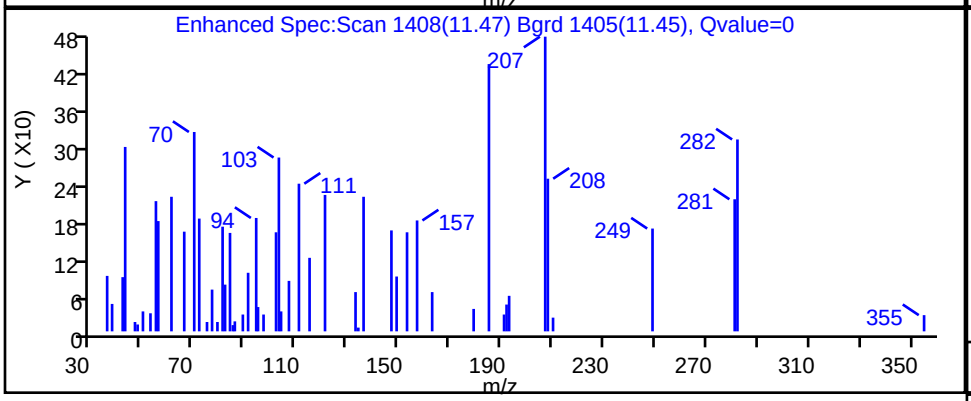
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804019.D				
Injection Date:	04-Aug-2025 14:09:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-A	Lab Sample ID:	240-229857-4		
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

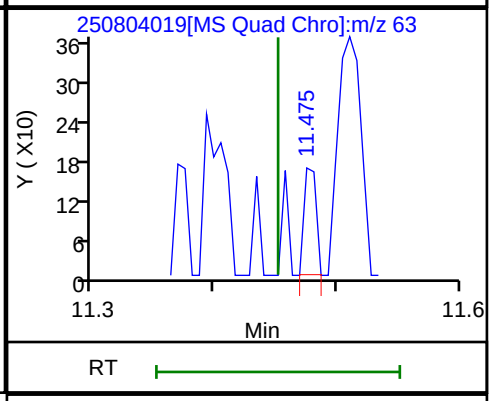
152 Aramite Peak 1, CAS: STL00690

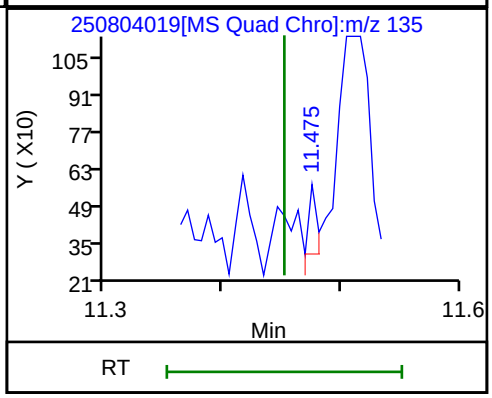
Processing Results











RT	Mass	Response	Amount
11.47	185.00	296	27.174541
11.48	63.00	115	
11.48	135.00	123	

Reviewer: D9AH, 05-Aug-2025 11:22:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

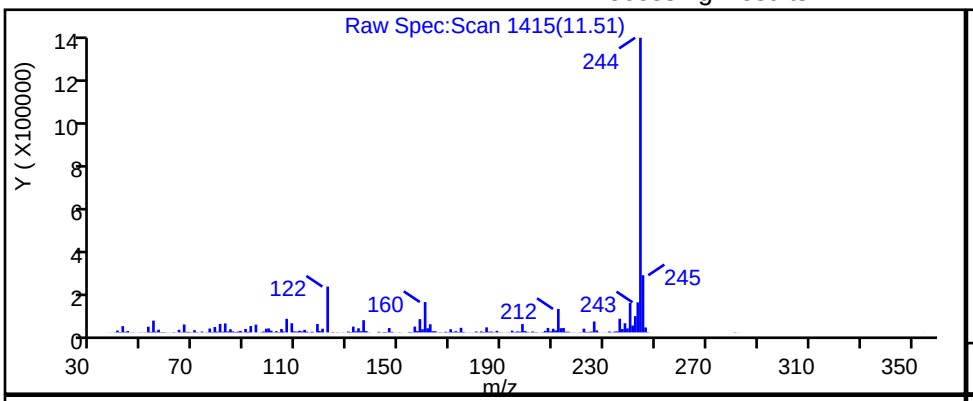
User Disabled Compound Report

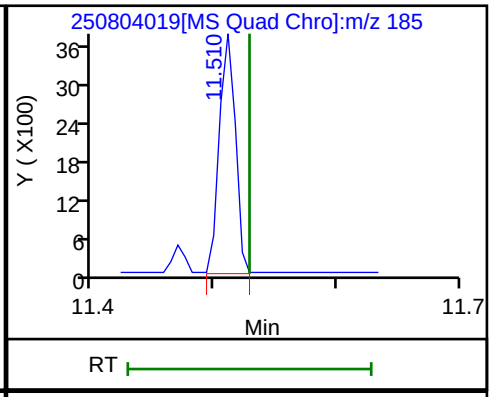
Eurofins Cleveland

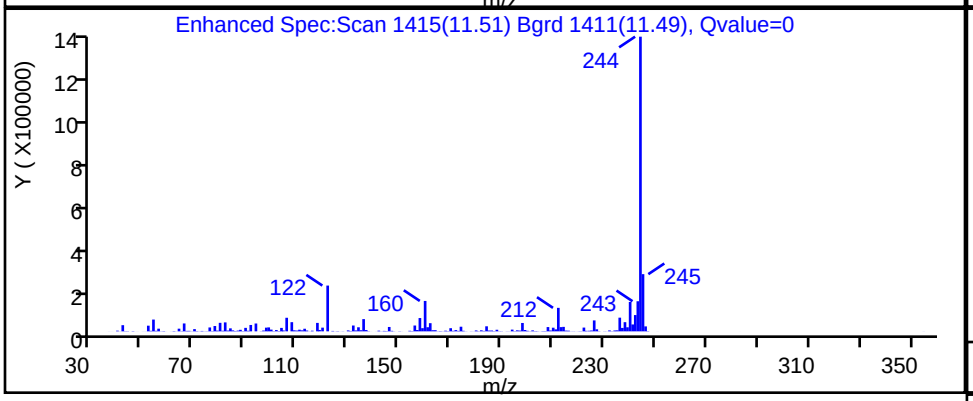
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804019.D				
Injection Date:	04-Aug-2025 14:09:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-A	Lab Sample ID:	240-229857-4		
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

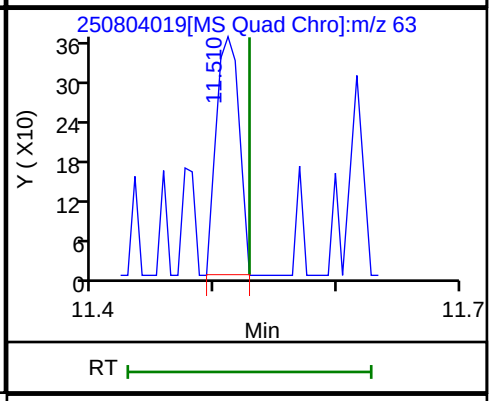
153 Aramite Peak 2, CAS: STL00691

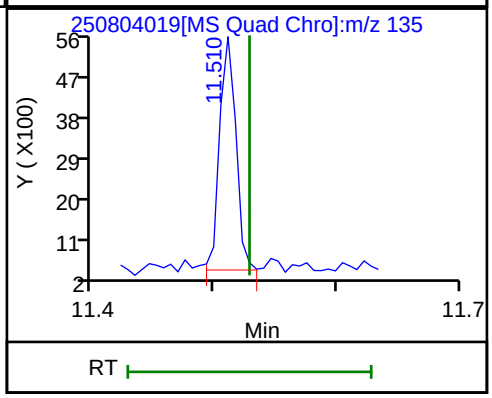
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3410	40.470095
11.51	63.00	483	
11.51	135.00	4846	

Reviewer: D9AH, 05-Aug-2025 11:22:45 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

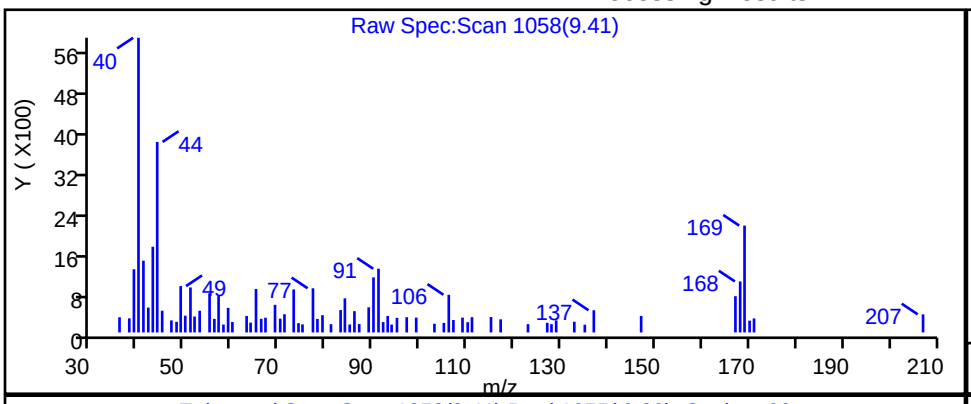
User Disabled Compound Report

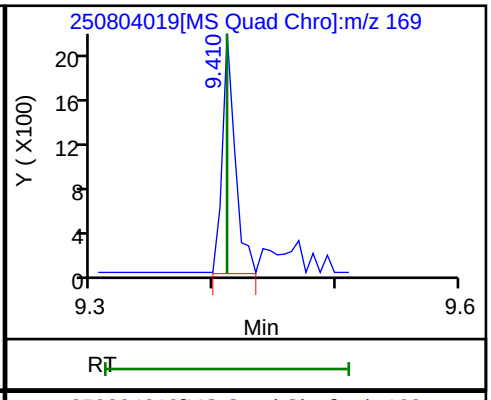
Eurofins Cleveland

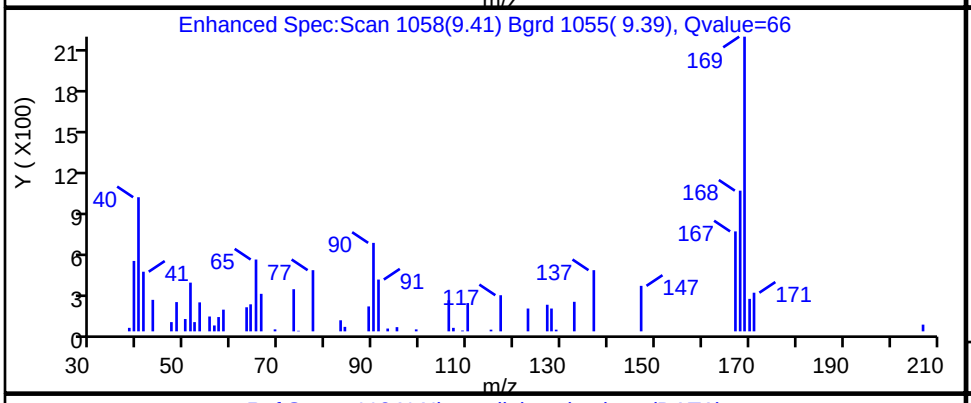
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804019.D				
Injection Date:	04-Aug-2025 14:09:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-A	Lab Sample ID:	240-229857-4		
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

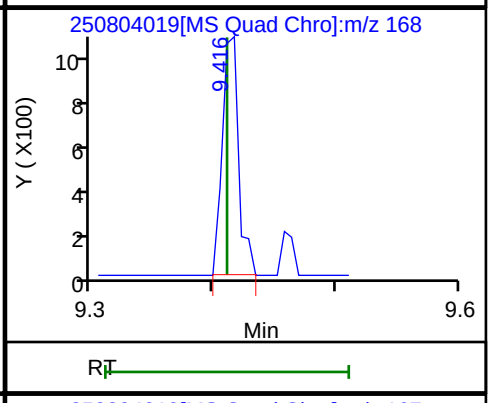
118 N-Nitrosodiphenylamine, CAS: 86-30-6

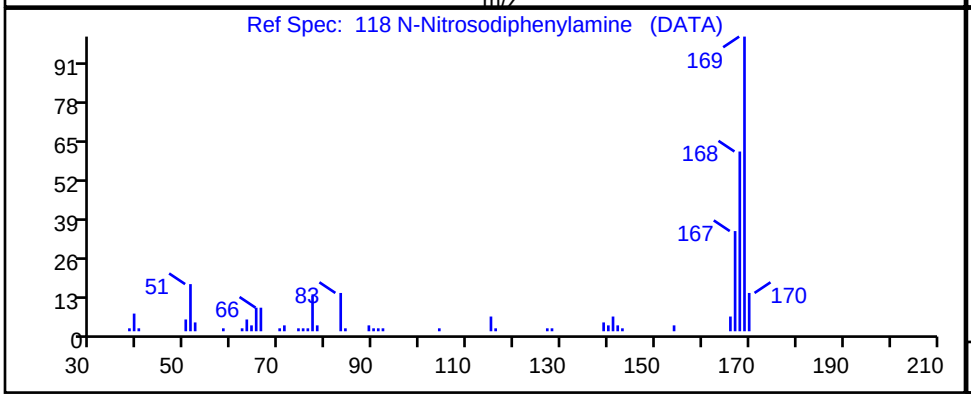
Processing Results

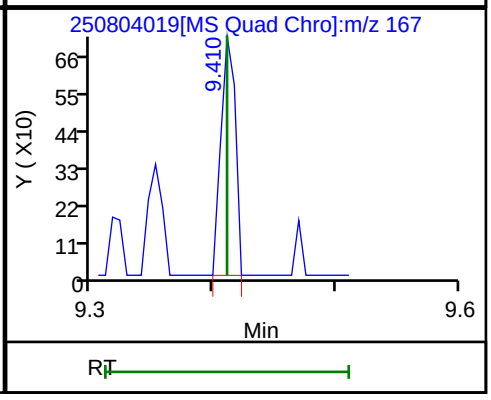












RT	Mass	Response	Amount
9.41	169.00	1514	2.330756
9.42	168.00	968	
9.41	167.00	585	

Reviewer: D9AH, 05-Aug-2025 11:22:37 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WDUP | Lab Sample ID: 240-229857-5

Matrix: Water | Lab File ID: 250804014.D

Analysis Method: 8270E | Date Collected: 07/30/2025 09:25

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 273.4(mL) | Date Analyzed: 08/04/2025 12:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	9.1	U	9.1	2.7
130-15-4	1,4-Naphthoquinone	9.1	U	9.1	2.7
134-32-7	1-Naphthylamine	9.1	U	9.1	2.7
105-67-9	2,4-Dimethylphenol	9.1	U	9.1	2.7
51-28-5	2,4-Dinitrophenol	9.1	U	9.1	5.7
53-96-3	2-Acetylaminofluorene	9.1	U	9.1	2.7
91-59-8	2-Naphthylamine	9.1	U	9.1	6.4
109-06-8	2-Picoline	9.1	U *-	9.1	0.91
91-94-1	3,3'-Dichlorobenzidine	9.1	U	9.1	2.7
119-93-7	3,3'-Dimethylbenzidine	9.1	U	9.1	3.0
56-49-5	3-Methylcholanthrene	9.1	U	9.1	0.91
99-09-2	3-Nitroaniline	9.1	U	9.1	1.8
534-52-1	4,6-Dinitro-2-methylphenol	9.1	U	9.1	2.7
92-67-1	4-Aminobiphenyl	9.1	U	9.1	2.7
106-47-8	4-Chloroaniline	9.1	U	9.1	3.0
100-01-6	4-Nitroaniline	9.1	U	9.1	1.4
56-57-5	4-Nitroquinoline-1-oxide	46	U	46	4.6
57-97-6	7,12-Dimethylbenz(a)anthracene	9.1	U	9.1	1.6
98-86-2	Acetophenone	9.1	U	9.1	0.91
62-53-3	Aniline	9.1	U	9.1	1.0
140-57-8	Aramite, Total	9.1	U	9.1	3.4
100-51-6	Benzyl alcohol	9.1	U	9.1	2.7
111-91-1	Bis(2-chloroethoxy)methane	0.91	U	0.91	0.46
111-44-4	Bis(2-chloroethyl)ether	0.91	U	0.91	0.46
85-68-7	Butyl benzyl phthalate	9.1	U	9.1	0.64
510-15-6	Chlorobenzilate	9.1	U	9.1	2.7
84-74-2	Di-n-butyl phthalate	9.1	U	9.1	1.6
298-04-4	Disulfoton	9.1	U	9.1	2.7
56-38-2	Ethyl Parathion	9.1	U	9.1	2.7
52-85-7	Famphur	9.1	U *+	9.1	4.6
77-47-4	Hexachlorocyclopentadiene	9.1	U	9.1	2.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WDUP | Lab Sample ID: 240-229857-5

Matrix: Water | Lab File ID: 250804014.D

Analysis Method: 8270E | Date Collected: 07/30/2025 09:25

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 273.4(mL) | Date Analyzed: 08/04/2025 12:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	9.1	U	9.1	0.37
78-59-1	Isophorone	9.1	U	9.1	0.46
120-58-1	Isosafrole	4.6	U	4.6	1.5
91-80-5	Methapyrilene	9.1	U *-	9.1	2.7
66-27-3	Methyl methanesulfonate	9.1	U	9.1	0.91
298-00-0	Methyl parathion	9.1	U	9.1	2.9
924-16-3	N-Nitrosodi-n-butylamine	9.1	U	9.1	2.7
621-64-7	N-Nitrosodi-n-propylamine	9.1	U	9.1	0.46
86-30-6	N-Nitrosodiphenylamine	9.1	U	9.1	0.53
10595-95-6	N-Nitrosomethylethylamine	9.1	U	9.1	0.91
930-55-2	N-Nitrosopyrrolidine	9.1	U	9.1	0.46
60-11-7	p-Dimethylamino azobenzene	9.1	U	9.1	2.7
106-50-3	p-Phenylene diamine	140	U *-	140	24
23950-58-5	Pronamide	4.6	U	4.6	1.4
110-86-1	Pyridine	9.1	U	9.1	1.8
95-53-4	2-Toluidine	9.1	U	9.1	3.7
100-02-7	4-Nitrophenol	9.1	U	9.1	2.7
95-95-4	2,4,5-Trichlorophenol	9.1	U	9.1	1.8
120-83-2	2,4-Dichlorophenol	9.1	U	9.1	1.5
59-50-7	4-Chloro-3-methylphenol	9.1	U	9.1	0.91
88-75-5	2-Nitrophenol	9.1	U	9.1	1.2
88-06-2	2,4,6-Trichlorophenol	9.1	U	9.1	1.6
95-48-7	2-Methylphenol	9.1	U	9.1	0.88
87-65-0	2,6-Dichlorophenol	9.1	U	9.1	1.3
95-57-8	2-Chlorophenol	9.1	U	9.1	0.91
108-95-2	Phenol	9.1	U	9.1	0.70
58-90-2	2,3,4,6-Tetrachlorophenol	9.1	U	9.1	1.6
15831-10-4	3 & 4 Methylphenol	18	U	18	2.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WDUP | Lab Sample ID: 240-229857-5

Matrix: Water | Lab File ID: 250804014.D

Analysis Method: 8270E | Date Collected: 07/30/2025 09:25

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 273.4(mL) | Date Analyzed: 08/04/2025 12:19

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	95		43-136
4165-62-2	Phenol-d5 (Surr)	77		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	82		40-120
367-12-4	2-Fluorophenol (Surr)	111		10-127
321-60-8	2-Fluorobiphenyl (Surr)	85		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	82		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804014.D
Lims ID: 240-229857-E-5-A
Client ID: 16WDUP
Sample Type: Client
Inject. Date: 04-Aug-2025 12:19:03 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-5-A
Misc. Info.: 240-0157591-014
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: KDZ4 Date: 04-Aug-2025 13:36:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	104782	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	475565	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	92	265412	400.0	
* 4 Phenanthrene-d10	188	10.140	10.134	0.006	98	429077	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	320992	400.0	
* 6 Perylene-d12	264	14.939	14.939	0.000	96	310376	400.0	
$ 7 2-Fluorophenol	112	5.234	5.234	0.000	94	450486	1779.2	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	504693	1232.0	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	92	650536	1319.8	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	100	1177471	1358.6	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	90	119116	1317.0	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	98	1234070	1524.8	
15 Pyridine	79		3.999				ND	
18 2-Picoline	93		4.805				ND	
19 N-Nitrosomethylethylamine	88		4.881				ND	
22 Methyl methanesulfonate	80		5.128				ND	
27 Phenol	94		6.010				ND	U
29 Aniline	93		6.052				ND	
30 Bis(2-chloroethyl)ether	93		6.081				ND	
32 2-Chlorophenol	128		6.163				ND	
37 Benzyl alcohol	108		6.428				ND	
40 2-Methylphenol	108		6.510				ND	
45 3 & 4 Methylphenol	108		6.634				ND	
46 N-Nitrosodi-n-propylamine	70		6.640				ND	
48 Acetophenone	105		6.652				ND	
43 N-Nitrosopyrrolidine	100		6.675				ND	
47 2-Toluidine	106		6.734				ND	
49 Hexachloroethane	117		6.769				ND	
53 Isophorone	82		6.993				ND	
55 2-Nitrophenol	139		7.069				ND	
54 2,4-Dimethylphenol	107		7.081				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
58 Bis(2-chloroethoxy)methane	93		7.152				ND	
61 2,4-Dichlorophenol	162		7.269				ND	
65 4-Chloroaniline	127		7.446				ND	
66 2,6-Dichlorophenol	162		7.457				ND	
70 N-Nitrosodi-n-butylamine	84		7.652				ND	U
71 p-Phenylene diamine	108		7.781				ND	
73 4-Chloro-3-methylphenol	107		7.834				ND	
75 Isosafrole Peak 1	162		8.093				ND	
82 Hexachlorocyclopentadiene	237		8.134				ND	
85 2,4,6-Trichlorophenol	196		8.222				ND	
86 2,4,5-Trichlorophenol	196		8.263				ND	
87 Isosafrole Peak 2	162		8.263				ND	
92 1,4-Naphthoquinone	158		8.487				ND	
98 3-Nitroaniline	138		8.816				ND	
99 2,4-Dinitrophenol	184		8.899				ND	
101 4-Nitrophenol	109		8.934				ND	
106 1-Naphthylamine	143		9.122				ND	
108 2,3,4,6-Tetrachlorophenol	232		9.152				ND	
109 2-Naphthylamine	143		9.157				ND	
115 4-Nitroaniline	138		9.334				ND	
117 4,6-Dinitro-2-methylphenol	198		9.357				ND	
113 N-Nitro-o-toluidine	152		9.375				ND	
118 N-Nitrosodiphenylamine	169		9.410				ND	U
123 1,3,5-Trinitrobenzene	213		9.616				ND	
134 Pronamide	173		9.922				ND	
132 4-Aminobiphenyl	169		9.958				ND	
137 Disulfoton	88		10.093				ND	
143 Methyl parathion	109		10.457				ND	
144 Di-n-butyl phthalate	149	10.557	10.557	0.006	99	22178	16.2	
145 Ethyl Parathion	97		10.675				ND	
146 4-Nitroquinoline-1-oxide	190		10.799				ND	
147 Methapyrilene	58		10.840				ND	
152 Aramite Peak 1	185		11.451				ND	U
153 Aramite Peak 2	185		11.528				ND	U
154 p-Dimethylamino azobenzene	225		11.710				ND	
155 Chlorobenzilate	139		11.740				ND	
157 Butyl benzyl phthalate	149		11.987				ND	
156 Famphur	218		12.010				ND	
158 3,3'-Dimethylbenzidine	212		12.081				ND	
160 2-Acetylaminofluorene	181		12.393				ND	
163 3,3'-Dichlorobenzidine	252		12.692				ND	
168 7,12-Dimethylbenz(a)anthracene	256		14.410				ND	
172 3-Methylcholanthrene	268		15.416				ND	
S 199 Isosafrole	162		5.181				ND	7
S 201 Aramite, Total	185		7.898				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

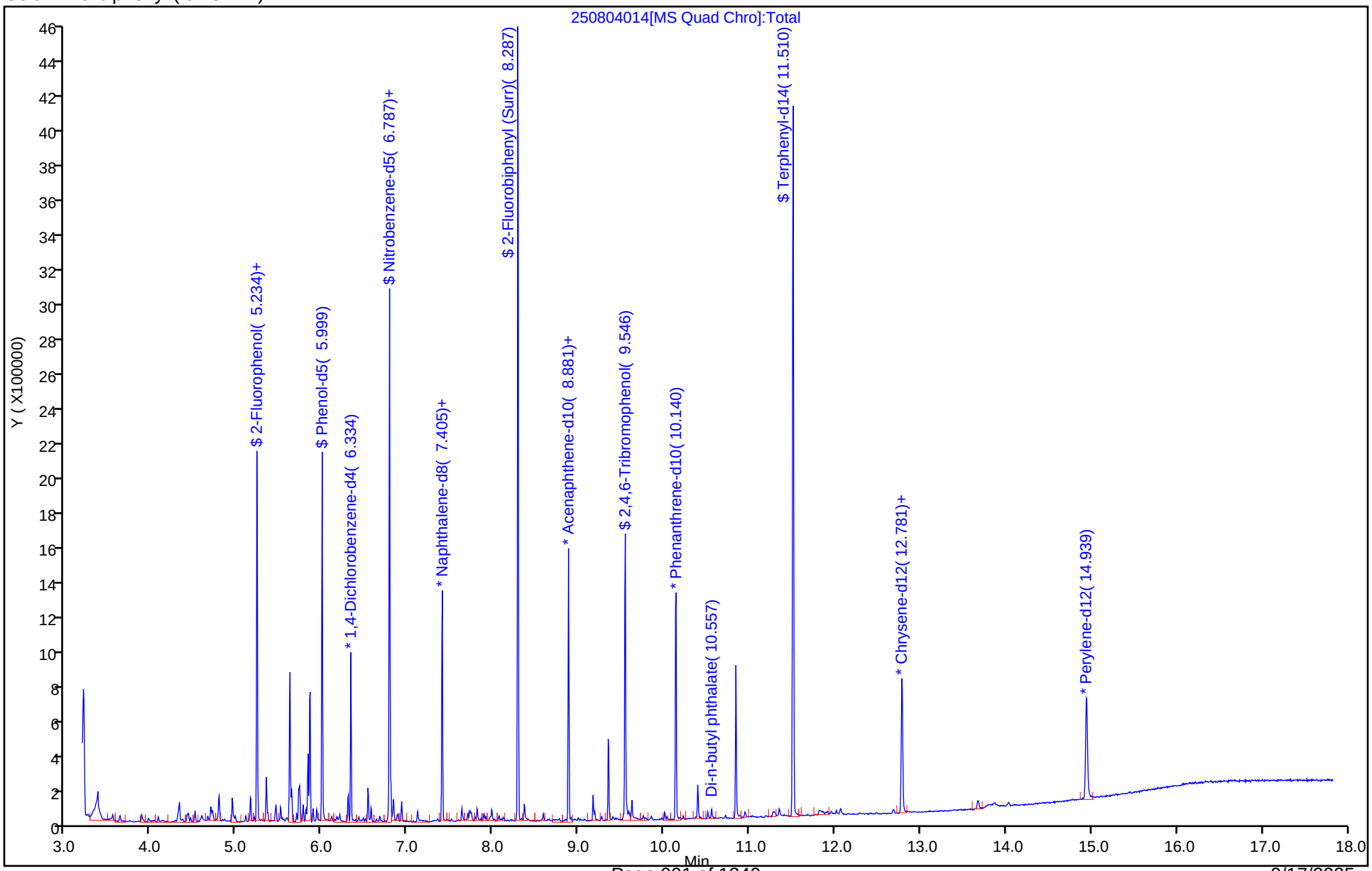
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Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804014.D

Injection Date:	04-Aug-2025 12:19:03	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	240-229857-E-5-A	Lab Sample ID:	240-229857-5	Worklist Smp#:	14
Client ID:	16WDUP				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804014.D
Lims ID: 240-229857-E-5-A
Client ID: 16WDUP
Sample Type: Client
Inject. Date: 04-Aug-2025 12:19:03 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-5-A
Misc. Info.: 240-0157591-014
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: KDZ4 Date: 04-Aug-2025 13:36:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1779.2	111.20
$ 8 Phenol-d5	1600.0	1232.0	77.00
$ 9 Nitrobenzene-d5	1600.0	1319.8	82.49
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1358.6	84.91
$ 11 2,4,6-Tribromophenol	1600.0	1317.0	82.31
$ 12 Terphenyl-d14	1600.0	1524.8	95.30

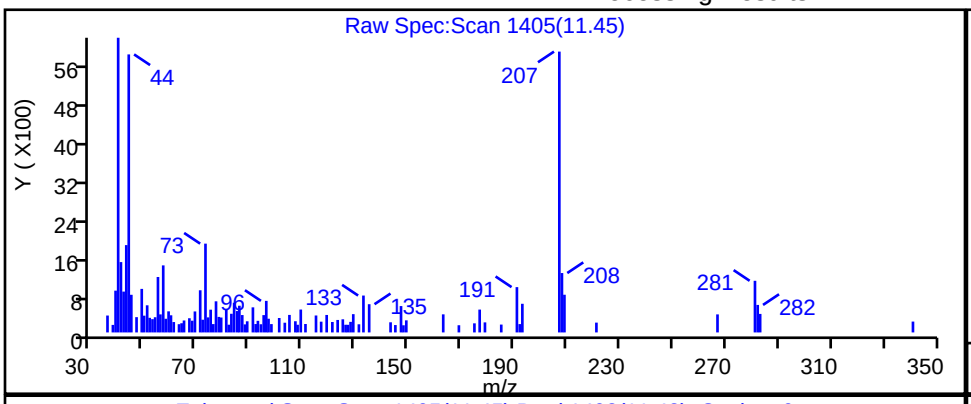
User Disabled Compound Report

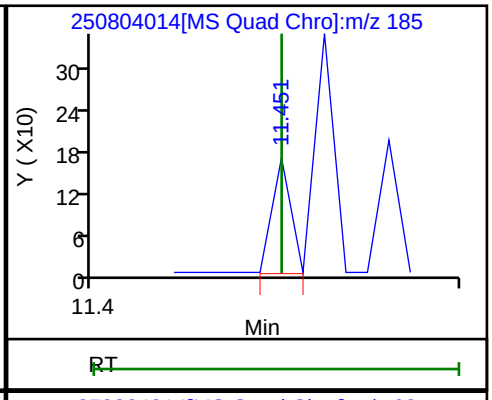
Eurofins Cleveland

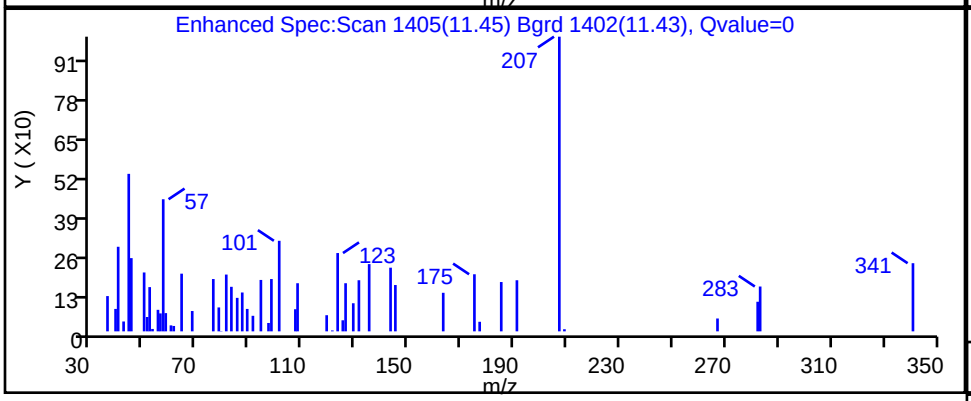
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Injection Date:	04-Aug-2025 12:19:03	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-5-A	Lab Sample ID:	240-229857-5		
Client ID:	16WDUP				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

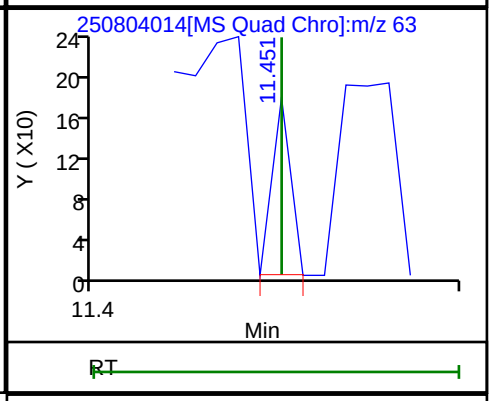
152 Aramite Peak 1, CAS: STL00690

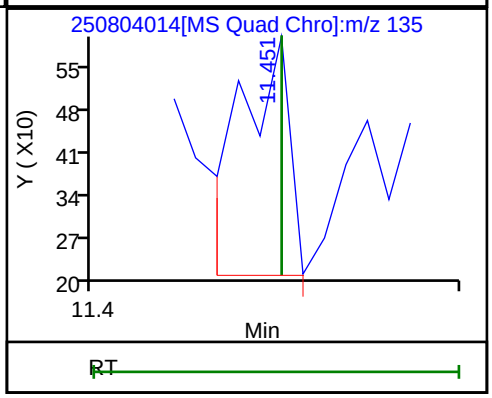
Processing Results











RT	Mass	Response	Amount
11.45	185.00	58	24.755464
11.45	63.00	61	
11.45	135.00	380	

Reviewer: KDZ4, 04-Aug-2025 13:36:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

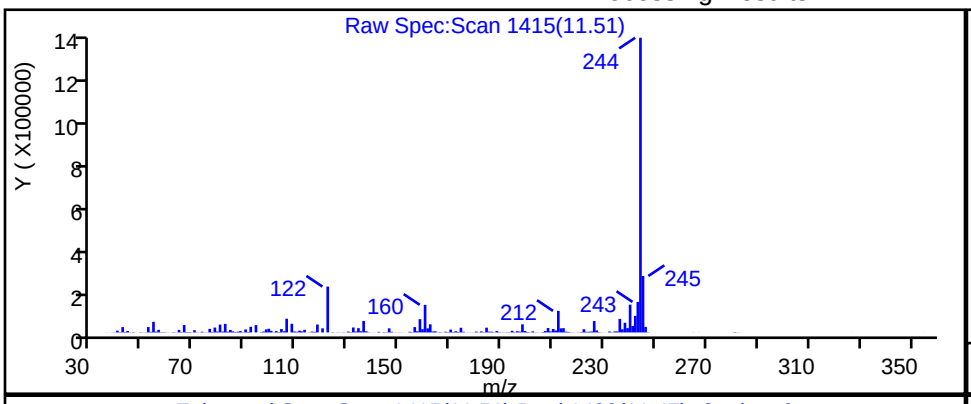
User Disabled Compound Report

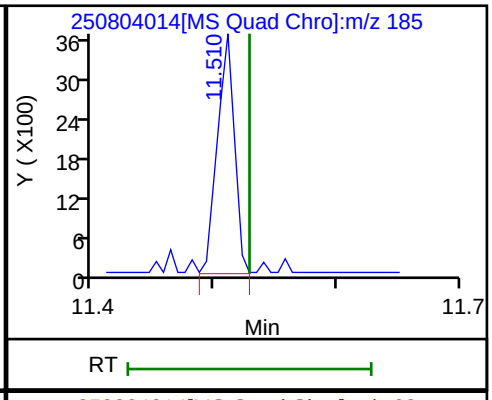
Eurofins Cleveland

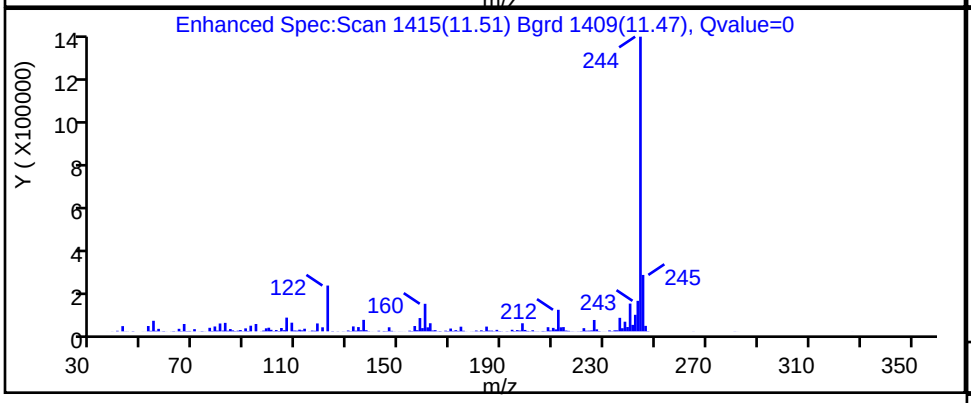
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804014.D				
Injection Date:	04-Aug-2025 12:19:03	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-5-A	Lab Sample ID:	240-229857-5		
Client ID:	16WDUP				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

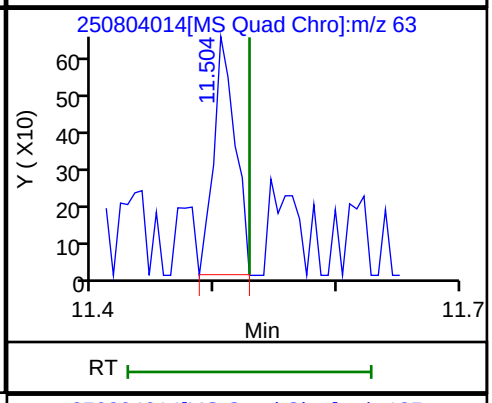
153 Aramite Peak 2, CAS: STL00691

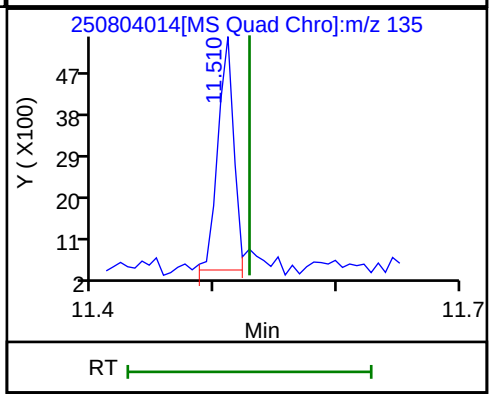
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3488	40.574274
11.50	63.00	803	
11.51	135.00	4667	

Reviewer: KDZ4, 04-Aug-2025 13:36:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

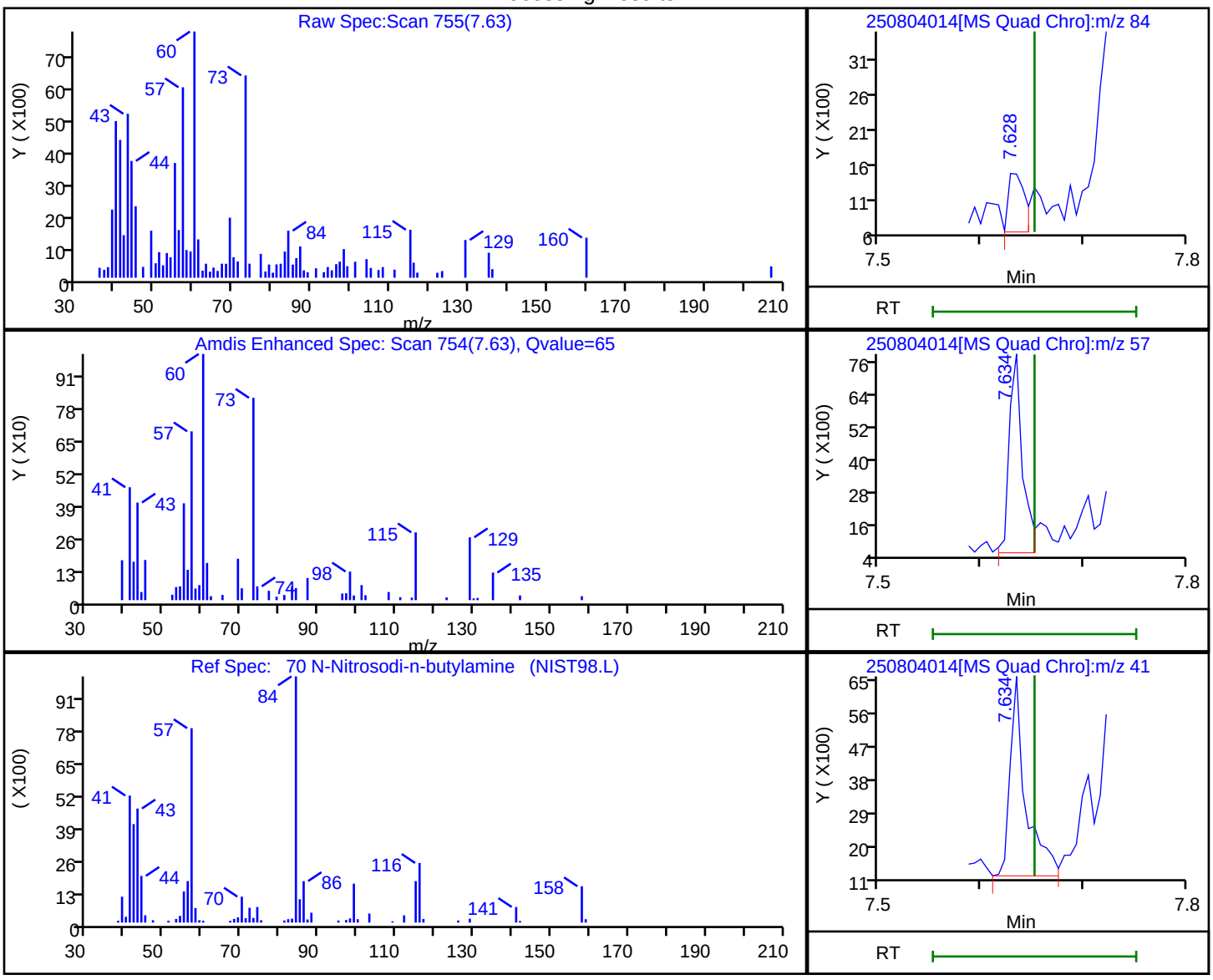
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804014.D				
Injection Date:	04-Aug-2025 12:19:03	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-5-A	Lab Sample ID:	240-229857-5		
Client ID:	16WDUP				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

70 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Processing Results



RT	Mass	Response	Amount
7.63	84.00	874	3.244285
7.63	57.00	6760	
7.63	41.00	5834	

Reviewer: KDZ4, 04-Aug-2025 13:35:50 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

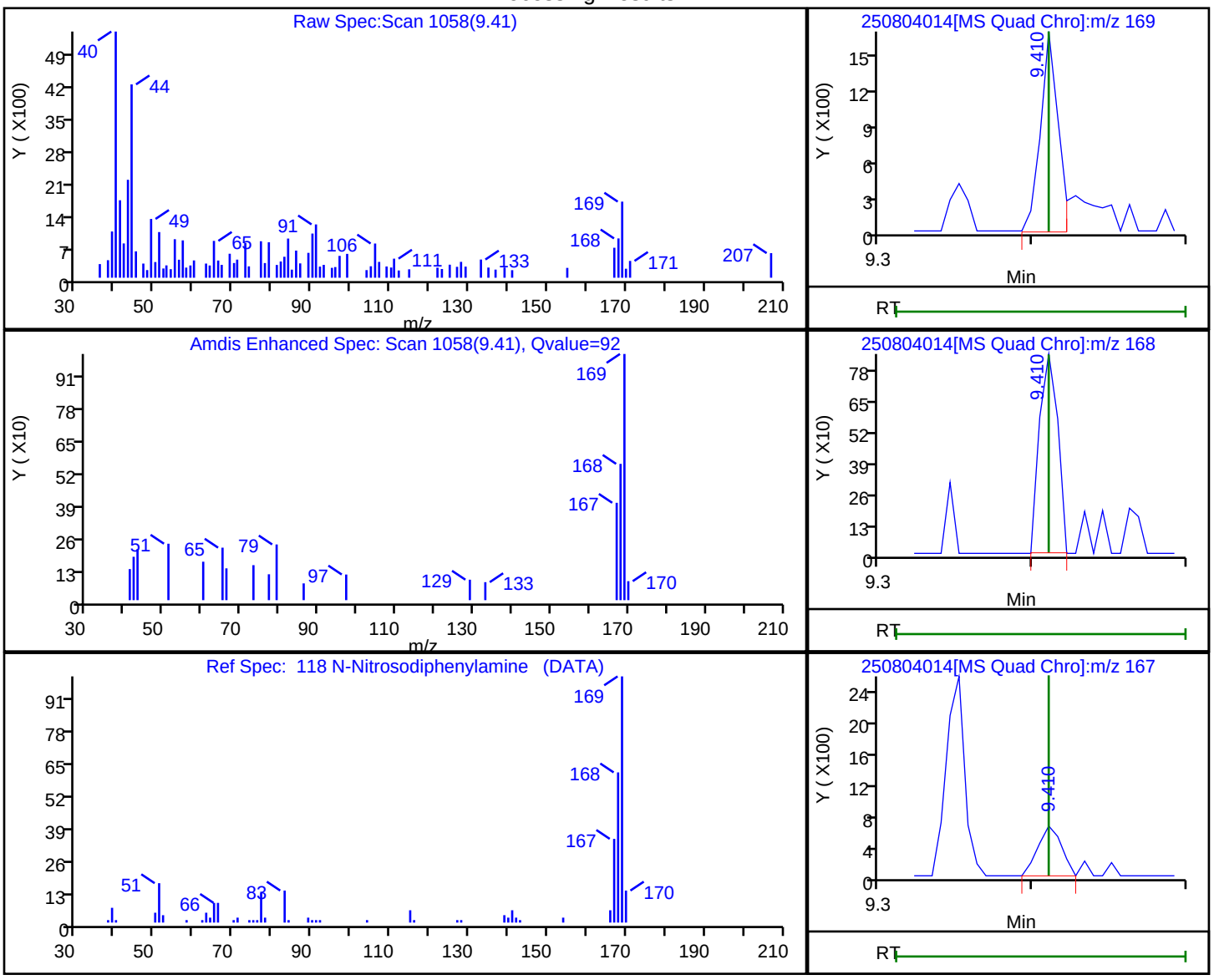
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804014.D				
Injection Date:	04-Aug-2025 12:19:03	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-5-A	Lab Sample ID:	240-229857-5		
Client ID:	16WDUP				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

118 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
9.41	169.00	1322	2.058210
9.41	168.00	705	
9.41	167.00	694	

Reviewer: KDZ4, 04-Aug-2025 13:36:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

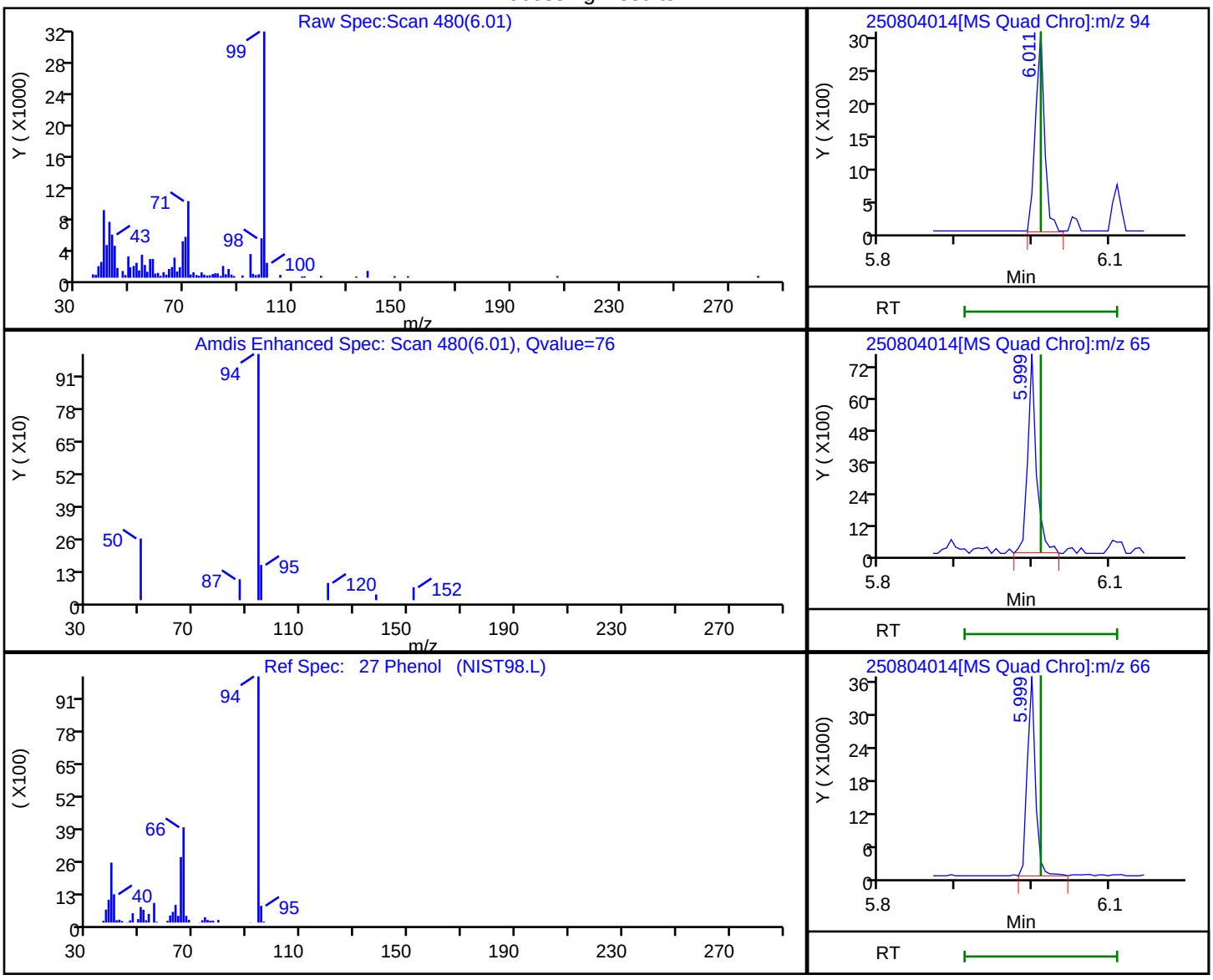
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804014.D				
Injection Date:	04-Aug-2025 12:19:03	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-5-A	Lab Sample ID:	240-229857-5		
Client ID:	16WDUP				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

27 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
6.01	94.00	2491	5.849501
6.00	65.00	6032	
6.00	66.00	26641	

Reviewer: D9AH, 08-Sep-2025 12:32:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1B | Lab Sample ID: 240-229857-6

Matrix: Water | Lab File ID: 250804015.D

Analysis Method: 8270E | Date Collected: 07/30/2025 09:45

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:57

Sample wt/vol: 271(mL) | Date Analyzed: 08/04/2025 12:41

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	9.2	U	9.2	2.8
130-15-4	1,4-Naphthoquinone	9.2	U	9.2	2.8
134-32-7	1-Naphthylamine	9.2	U	9.2	2.8
105-67-9	2,4-Dimethylphenol	9.2	U	9.2	2.8
51-28-5	2,4-Dinitrophenol	9.2	U	9.2	5.7
53-96-3	2-Acetylaminofluorene	9.2	U	9.2	2.8
91-59-8	2-Naphthylamine	9.2	U	9.2	6.5
109-06-8	2-Picoline	9.2	U *-	9.2	0.92
91-94-1	3,3'-Dichlorobenzidine	9.2	U	9.2	2.8
119-93-7	3,3'-Dimethylbenzidine	9.2	U	9.2	3.0
56-49-5	3-Methylcholanthrene	9.2	U	9.2	0.92
99-09-2	3-Nitroaniline	9.2	U	9.2	1.8
534-52-1	4,6-Dinitro-2-methylphenol	9.2	U	9.2	2.8
92-67-1	4-Aminobiphenyl	9.2	U	9.2	2.8
106-47-8	4-Chloroaniline	9.2	U	9.2	3.0
100-01-6	4-Nitroaniline	9.2	U	9.2	1.4
56-57-5	4-Nitroquinoline-1-oxide	46	U	46	4.6
57-97-6	7,12-Dimethylbenz(a)anthracene	9.2	U	9.2	1.7
98-86-2	Acetophenone	9.2	U	9.2	0.92
62-53-3	Aniline	9.2	U	9.2	1.0
140-57-8	Aramite, Total	9.2	U	9.2	3.4
100-51-6	Benzyl alcohol	9.2	U	9.2	2.8
111-91-1	Bis(2-chloroethoxy)methane	0.92	U	0.92	0.46
111-44-4	Bis(2-chloroethyl)ether	0.92	U	0.92	0.46
85-68-7	Butyl benzyl phthalate	9.2	U	9.2	0.65
510-15-6	Chlorobenzilate	9.2	U	9.2	2.8
84-74-2	Di-n-butyl phthalate	9.2	U	9.2	1.7
298-04-4	Disulfoton	9.2	U	9.2	2.8
56-38-2	Ethyl Parathion	9.2	U	9.2	2.8
52-85-7	Famphur	9.2	U *+	9.2	4.6
77-47-4	Hexachlorocyclopentadiene	9.2	U	9.2	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1B | Lab Sample ID: 240-229857-6

Matrix: Water | Lab File ID: 250804015.D

Analysis Method: 8270E | Date Collected: 07/30/2025 09:45

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:57

Sample wt/vol: 271(mL) | Date Analyzed: 08/04/2025 12:41

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	9.2	U	9.2	0.37
78-59-1	Isophorone	9.2	U	9.2	0.46
120-58-1	Isosafrole	4.6	U	4.6	1.5
91-80-5	Methapyrilene	9.2	U *-	9.2	2.8
66-27-3	Methyl methanesulfonate	9.2	U	9.2	0.92
298-00-0	Methyl parathion	9.2	U	9.2	3.0
924-16-3	N-Nitrosodi-n-butylamine	9.2	U	9.2	2.8
621-64-7	N-Nitrosodi-n-propylamine	9.2	U	9.2	0.46
86-30-6	N-Nitrosodiphenylamine	9.2	U	9.2	0.54
10595-95-6	N-Nitrosomethylethylamine	9.2	U	9.2	0.92
930-55-2	N-Nitrosopyrrolidine	9.2	U	9.2	0.46
60-11-7	p-Dimethylamino azobenzene	9.2	U	9.2	2.8
106-50-3	p-Phenylene diamine	140	U *-	140	24
23950-58-5	Pronamide	4.6	U	4.6	1.4
110-86-1	Pyridine	9.2	U	9.2	1.8
95-53-4	2-Toluidine	9.2	U	9.2	3.7
100-02-7	4-Nitrophenol	9.2	U	9.2	2.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	92		43-136
4165-62-2	Phenol-d5 (Surr)	59		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	77		40-120
367-12-4	2-Fluorophenol (Surr)	88		10-127
321-60-8	2-Fluorobiphenyl (Surr)	80		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	79		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D
Lims ID: 240-229857-E-6-A
Client ID: 16WC1B
Sample Type: Client
Inject. Date: 04-Aug-2025 12:41:08 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-6-A
Misc. Info.: 240-0157591-015
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: KDZ4 Date: 04-Aug-2025 13:37:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	119799	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	432879	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	93	266226	400.0	
* 4 Phenanthrene-d10	188	10.140	10.134	0.006	97	431107	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	315492	400.0	
* 6 Perylene-d12	264	14.945	14.939	0.006	97	319929	400.0	
$ 7 2-Fluorophenol	112	5.234	5.234	0.000	94	407824	1408.8	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	438923	937.2	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	91	555191	1237.5	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	99	1105933	1272.1	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	87	114673	1264.0	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	97	1165004	1464.4	
15 Pyridine	79		3.999				ND	
18 2-Picoline	93		4.805				ND	
19 N-Nitrosomethylethylamine	88		4.881				ND	
22 Methyl methanesulfonate	80		5.128				ND	
27 Phenol	94		6.010				ND	
29 Aniline	93		6.052				ND	
30 Bis(2-chloroethyl)ether	93		6.081				ND	
32 2-Chlorophenol	128		6.163				ND	
37 Benzyl alcohol	108		6.428				ND	U
40 2-Methylphenol	108		6.510				ND	U
45 3 & 4 Methylphenol	108		6.634				ND	
46 N-Nitrosodi-n-propylamine	70		6.640				ND	
48 Acetophenone	105		6.652				ND	U
43 N-Nitrosopyrrolidine	100		6.675				ND	
47 2-Toluidine	106		6.734				ND	
49 Hexachloroethane	117		6.769				ND	
53 Isophorone	82		6.993				ND	
55 2-Nitrophenol	139		7.069				ND	
54 2,4-Dimethylphenol	107		7.081				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ng/ml	Flags
58 Bis(2-chloroethoxy)methane	93		7.152				ND	
61 2,4-Dichlorophenol	162		7.269				ND	
65 4-Chloroaniline	127		7.446				ND	
66 2,6-Dichlorophenol	162		7.457				ND	
70 N-Nitrosodi-n-butylamine	84		7.652				ND	
71 p-Phenylene diamine	108		7.781				ND	
73 4-Chloro-3-methylphenol	107		7.834				ND	
75 Isosafrole Peak 1	162		8.093				ND	
82 Hexachlorocyclopentadiene	237		8.134				ND	
85 2,4,6-Trichlorophenol	196		8.222				ND	
86 2,4,5-Trichlorophenol	196		8.263				ND	
87 Isosafrole Peak 2	162		8.263				ND	
92 1,4-Naphthoquinone	158		8.487				ND	
98 3-Nitroaniline	138		8.816				ND	
99 2,4-Dinitrophenol	184		8.899				ND	
101 4-Nitrophenol	109		8.934				ND	
106 1-Naphthylamine	143		9.122				ND	
108 2,3,4,6-Tetrachlorophenol	232		9.152				ND	
109 2-Naphthylamine	143		9.157				ND	
115 4-Nitroaniline	138		9.334				ND	
117 4,6-Dinitro-2-methylphenol	198		9.357				ND	
113 N-Nitro-o-toluidine	152		9.375				ND	
118 N-Nitrosodiphenylamine	169		9.410				ND	
123 1,3,5-Trinitrobenzene	213		9.616				ND	
134 Pronamide	173		9.922				ND	
132 4-Aminobiphenyl	169		9.958				ND	
137 Disulfoton	88		10.093				ND	
143 Methyl parathion	109		10.457				ND	U
144 Di-n-butyl phthalate	149		10.551				ND	U
145 Ethyl Parathion	97		10.675				ND	U
146 4-Nitroquinoline-1-oxide	190		10.799				ND	
147 Methapyrilene	58		10.840				ND	
152 Aramite Peak 1	185		11.451				ND	U
153 Aramite Peak 2	185		11.528				ND	U
154 p-Dimethylamino azobenzene	225		11.710				ND	
155 Chlorobenzilate	139		11.740				ND	
157 Butyl benzyl phthalate	149		11.987				ND	
156 Famphur	218		12.010				ND	
158 3,3'-Dimethylbenzidine	212		12.081				ND	
160 2-Acetylaminofluorene	181		12.393				ND	
163 3,3'-Dichlorobenzidine	252		12.692				ND	
168 7,12-Dimethylbenz(a)anthracene	256		14.410				ND	
172 3-Methylcholanthrene	268		15.416				ND	
S 199 Isosafrole	162		5.181				ND	7
S 201 Aramite, Total	185		7.898				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

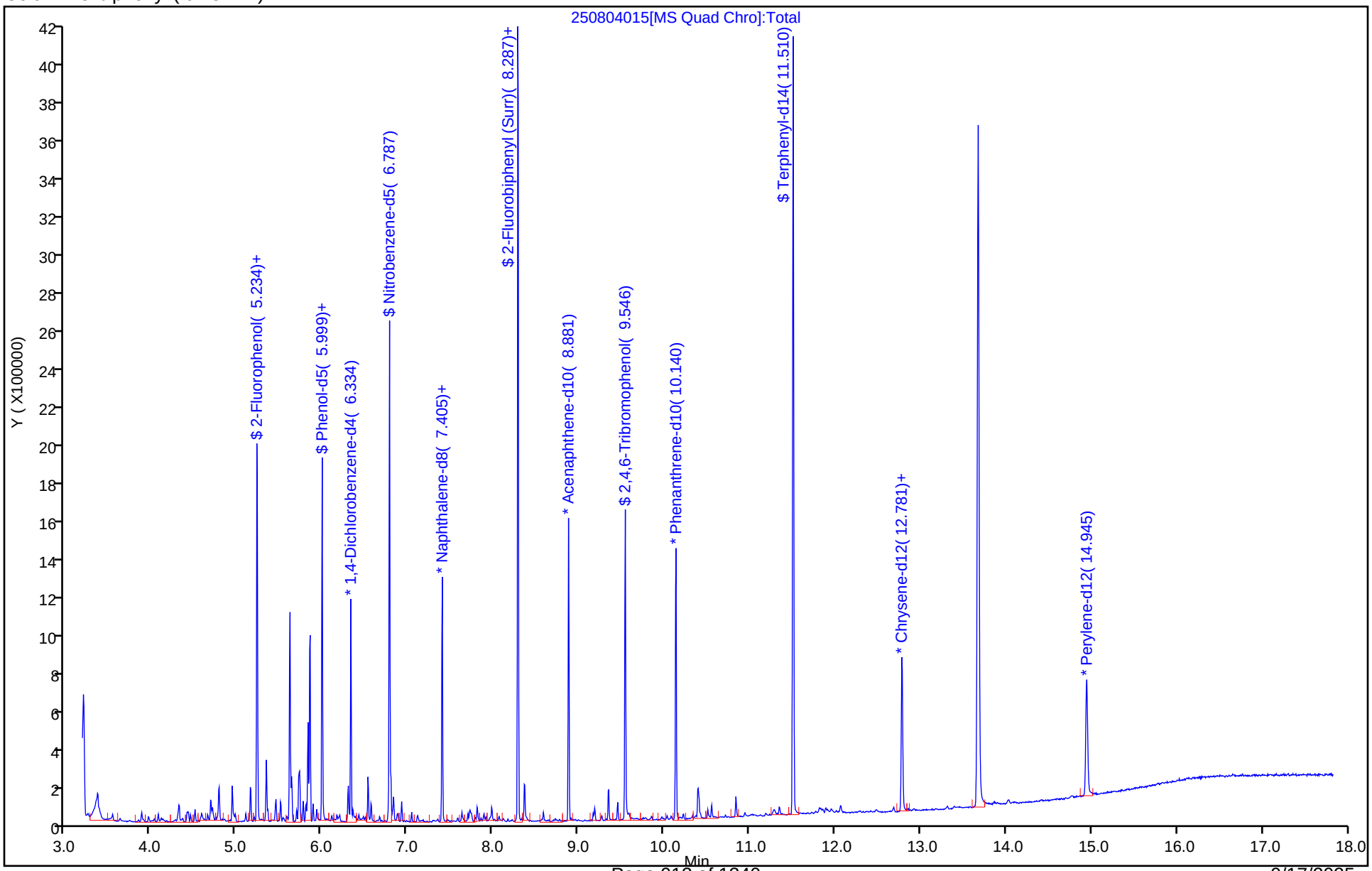
Report Date: 08-Sep-2025 12:38:16 Chrom Revision: 2.3 28-Aug-2025 17:52:38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D

Injection Date:	04-Aug-2025 12:41:08	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	240-229857-E-6-A	Lab Sample ID:	240-229857-6	Worklist Smp#:	15
Client ID:	16WC1B				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D
Lims ID: 240-229857-E-6-A
Client ID: 16WC1B
Sample Type: Client
Inject. Date: 04-Aug-2025 12:41:08 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-6-A
Misc. Info.: 240-0157591-015
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 12:37:55 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1718

First Level Reviewer: KDZ4 Date: 04-Aug-2025 13:37:34

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1408.8	88.05
$ 8 Phenol-d5	1600.0	937.2	58.57
$ 9 Nitrobenzene-d5	1600.0	1237.5	77.34
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1272.1	79.51
$ 11 2,4,6-Tribromophenol	1600.0	1264.0	79.00
$ 12 Terphenyl-d14	1600.0	1464.4	91.53

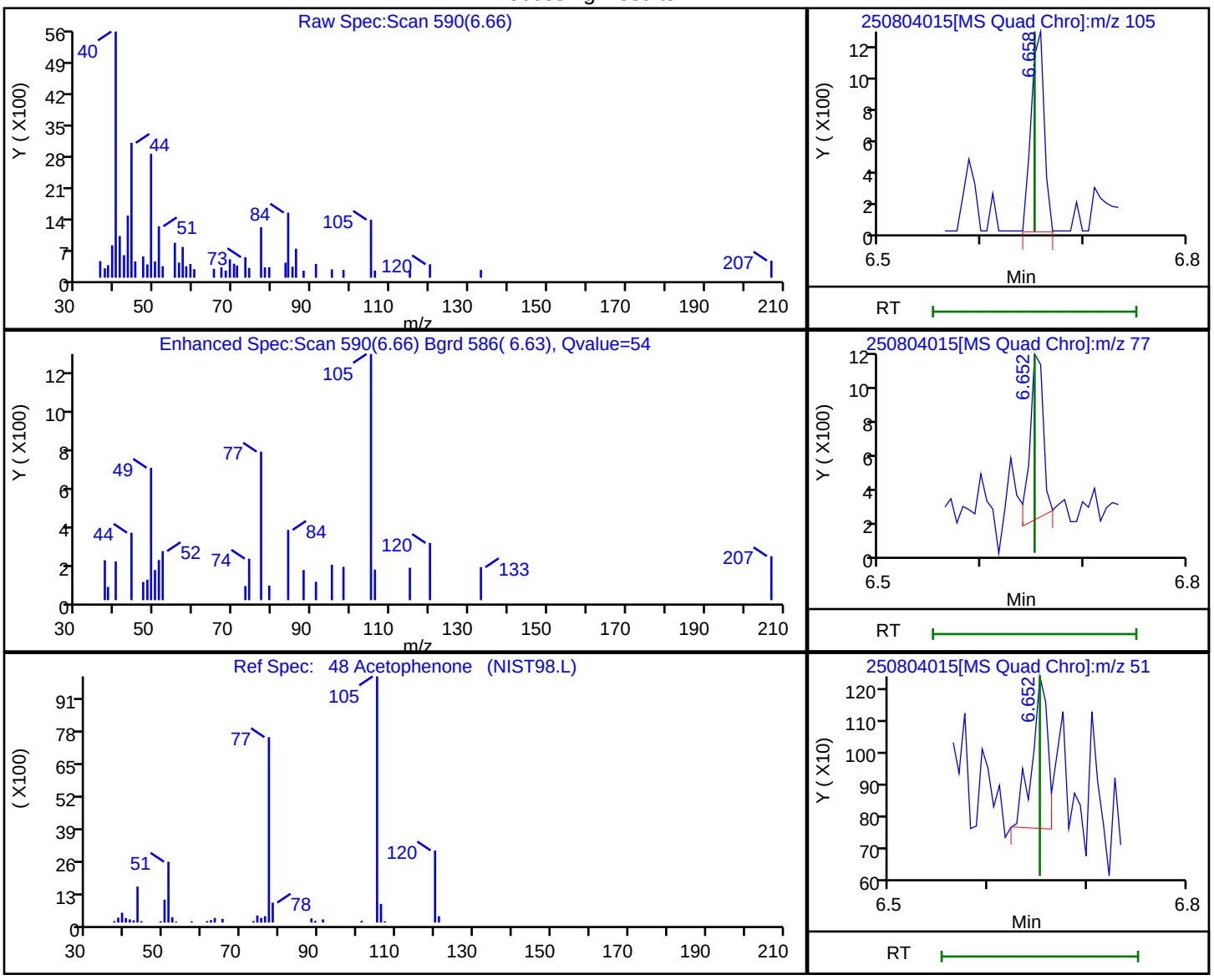
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D				
Injection Date:	04-Aug-2025 12:41:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-6-A	Lab Sample ID:	240-229857-6		
Client ID:	16WC1B				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

48 Acetophenone, CAS: 98-86-2

Processing Results



RT	Mass	Response	Amount
6.66	105.00	1151	1.772161
6.65	77.00	893	
6.65	51.00	546	

Reviewer: KDZ4, 04-Aug-2025 13:36:41 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

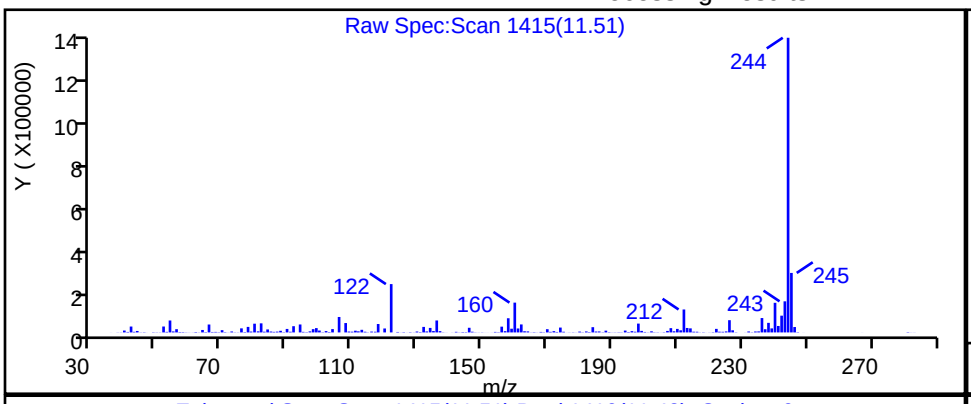
User Disabled Compound Report

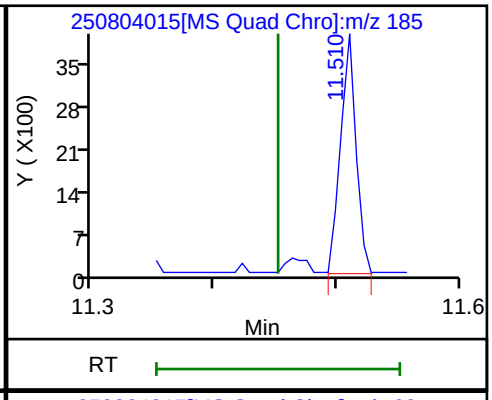
Eurofins Cleveland

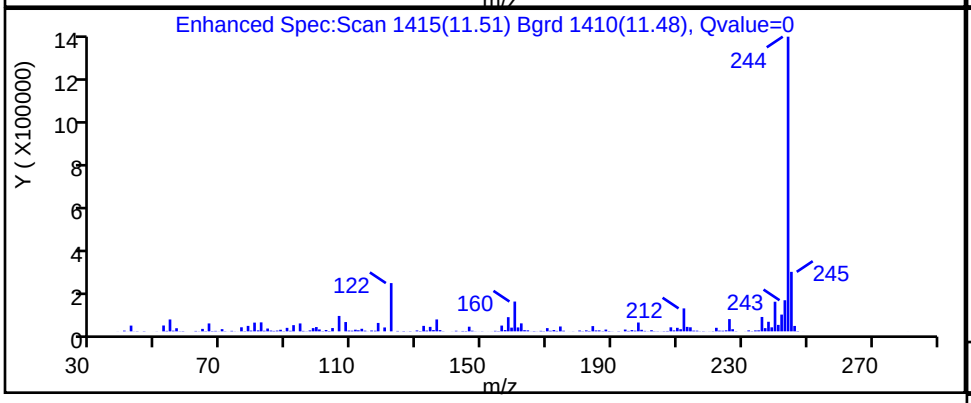
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Injection Date:	04-Aug-2025 12:41:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-6-A	Lab Sample ID:	240-229857-6		
Client ID:	16WC1B				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

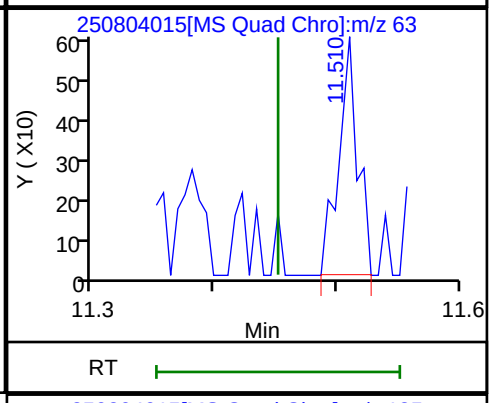
152 Aramite Peak 1, CAS: STL00690

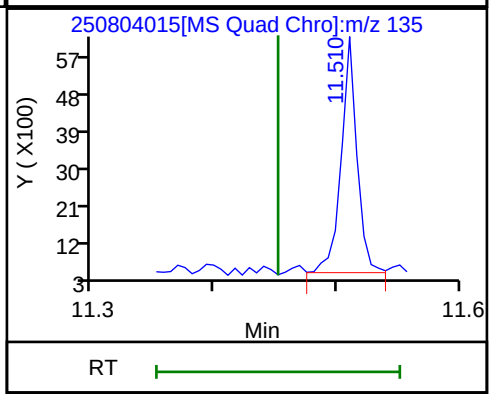
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3518	59.826440
11.51	63.00	662	
11.51	135.00	5149	

Reviewer: KDZ4, 04-Aug-2025 13:37:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

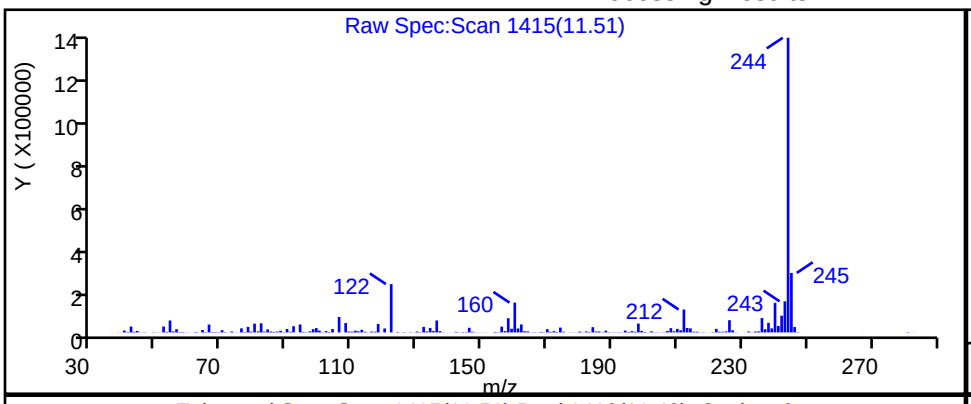
User Disabled Compound Report

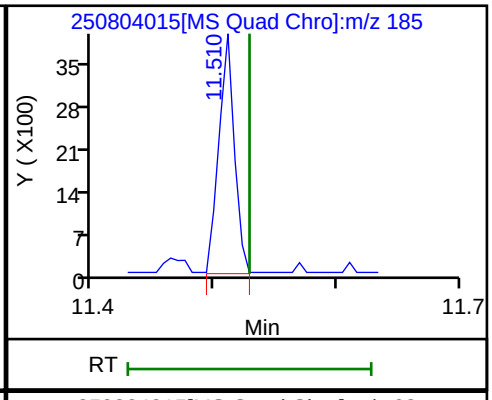
Eurofins Cleveland

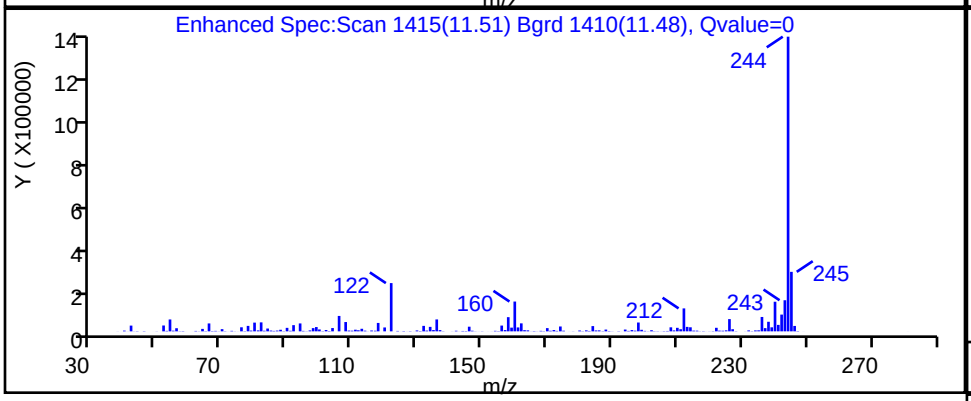
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D				
Injection Date:	04-Aug-2025 12:41:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-6-A	Lab Sample ID:	240-229857-6		
Client ID:	16WC1B				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

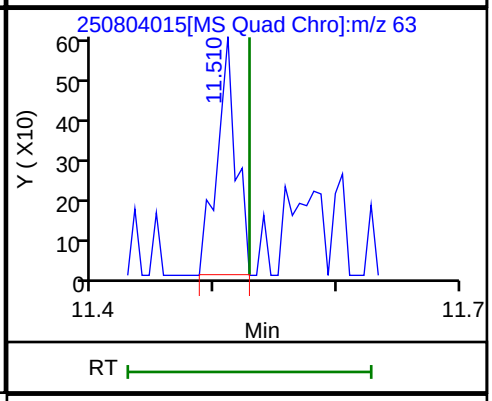
153 Aramite Peak 2, CAS: STL00691

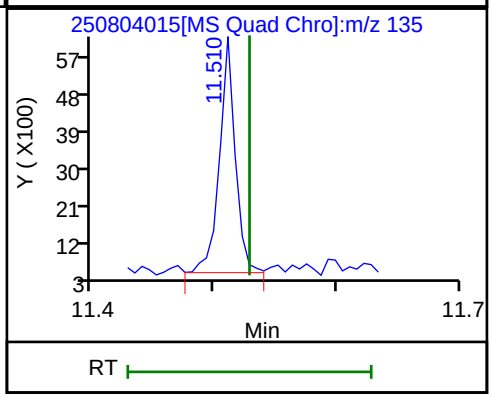
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3518	41.013275
11.51	63.00	662	
11.51	135.00	5149	

Reviewer: KDZ4, 04-Aug-2025 13:37:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

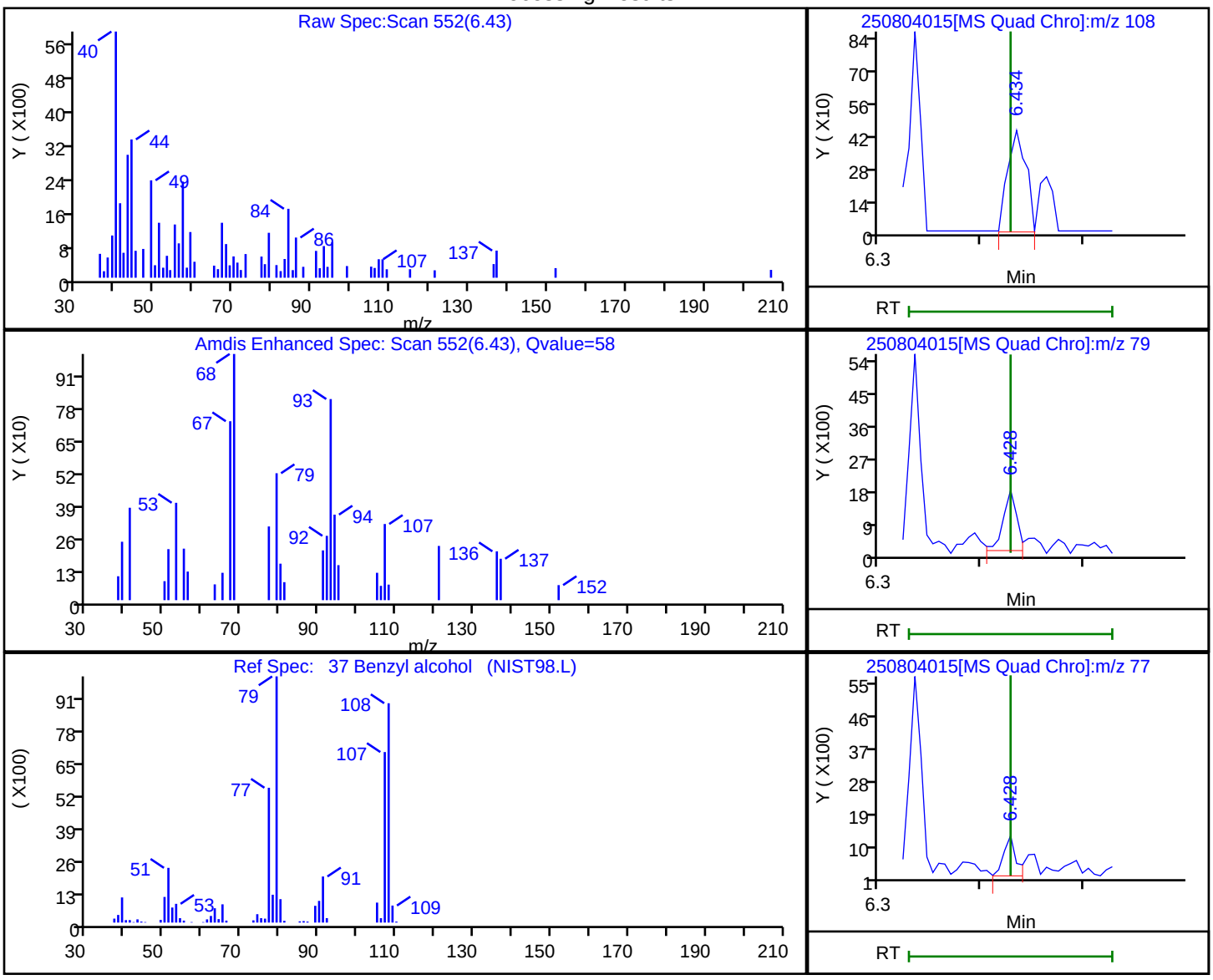
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D				
Injection Date:	04-Aug-2025 12:41:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-6-A	Lab Sample ID:	240-229857-6		
Client ID:	16WC1B				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

37 Benzyl alcohol, CAS: 100-51-6

Processing Results



RT	Mass	Response	Amount
6.43	108.00	548	29.311731
6.43	79.00	1609	
6.43	77.00	906	

Reviewer: KDZ4, 04-Aug-2025 13:36:35 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

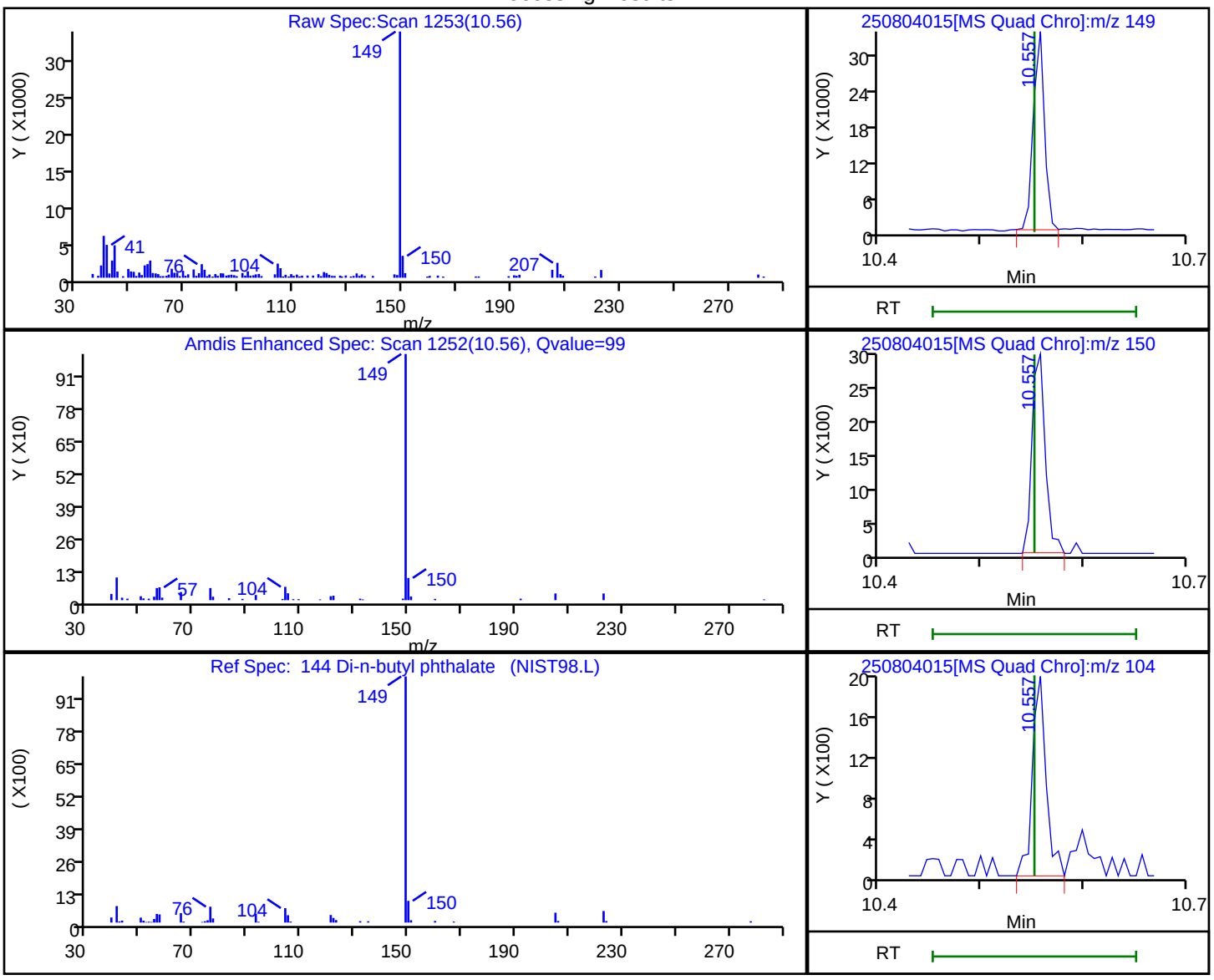
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D				
Injection Date:	04-Aug-2025 12:41:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-6-A	Lab Sample ID:	240-229857-6		
Client ID:	16WC1B				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

144 Di-n-butyl phthalate, CAS: 84-74-2

Processing Results



RT	Mass	Response	Amount
10.56	149.00	25352	18.478428
10.56	150.00	2709	
10.56	104.00	1799	

Reviewer: KDZ4, 04-Aug-2025 13:36:54 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

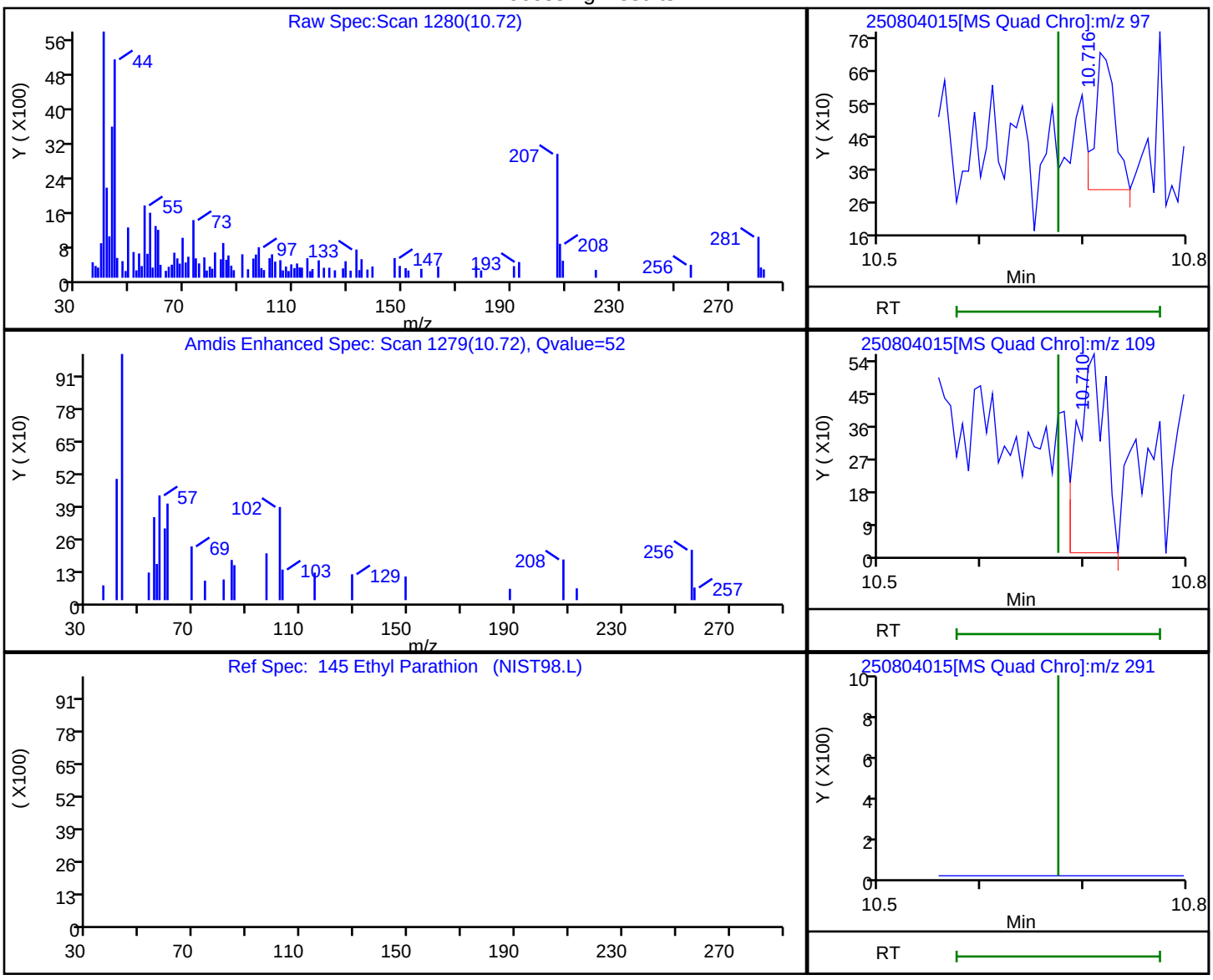
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D				
Injection Date:	04-Aug-2025 12:41:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-6-A	Lab Sample ID:	240-229857-6		
Client ID:	16WC1B				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

145 Ethyl Parathion, CAS: 56-38-2

Processing Results



RT	Mass	Response	Amount
10.72	97.00	553	51.543245
10.71	109.00	1025	
10.68	291.00	0	

Reviewer: KDZ4, 04-Aug-2025 13:36:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

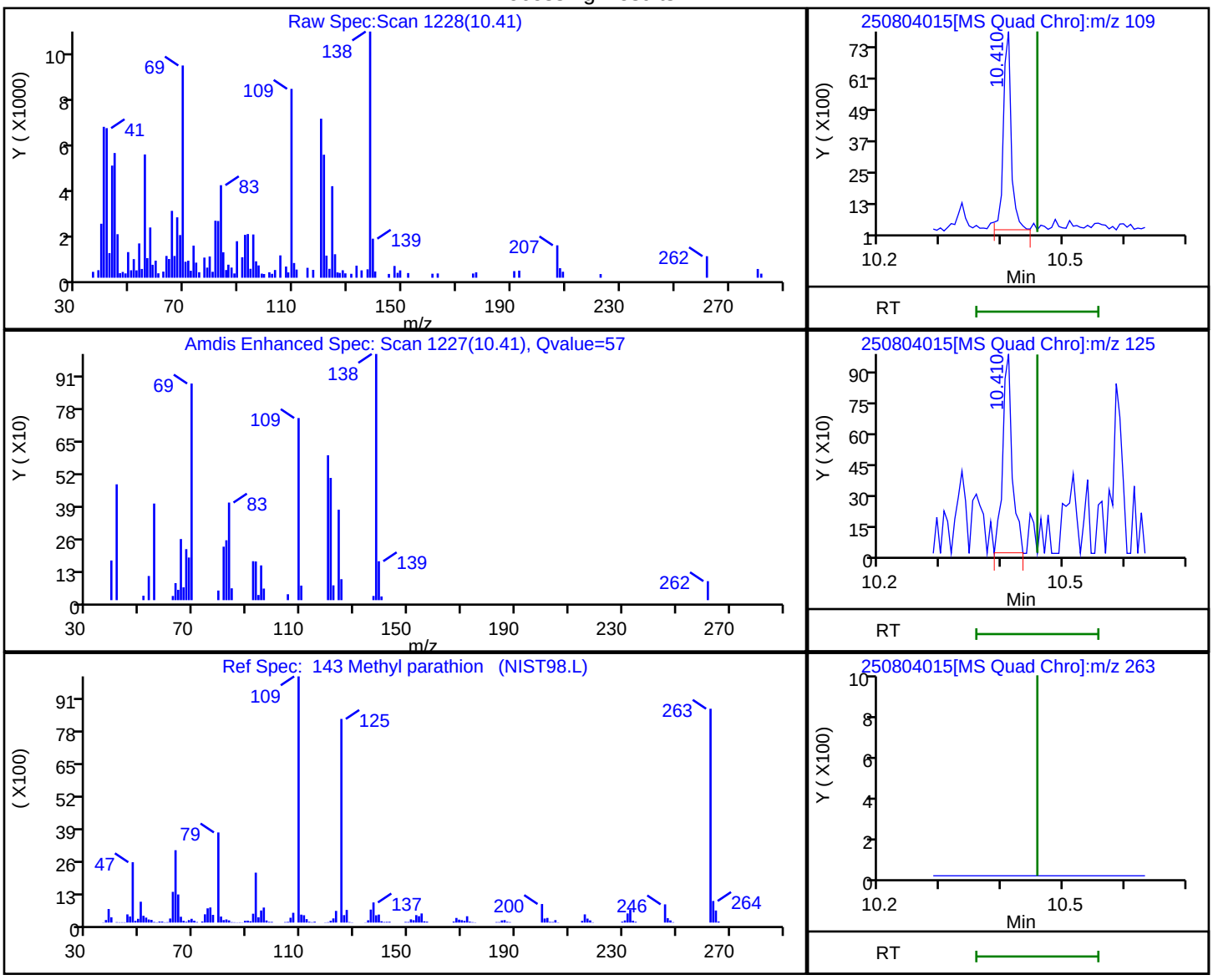
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804015.D				
Injection Date:	04-Aug-2025 12:41:08	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-6-A	Lab Sample ID:	240-229857-6		
Client ID:	16WC1B				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

143 Methyl parathion, CAS: 298-00-0

Processing Results



RT	Mass	Response	Amount
10.41	109.00	6735	65.811342
10.41	125.00	1058	
10.46	263.00	0	

Reviewer: KDZ4, 04-Aug-2025 13:36:52 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 Calibration End Date: 06/27/2025 11:00 Calibration ID: 78082

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-661637/10	250627010.D
Level 2	STD2 240-661637/9	250627009.D
Level 3	STD3 240-661637/8	250627008.D
Level 4	STD4 240-661637/7	250627007.D
Level 5	STD5 240-661637/6	250627006.D
Level 6	STD6 240-661637/5	250627005.D
Level 7	STD7 240-661637/4	250627004.D
Level 8	STD8 240-661637/3	250627003.D
Level 9	STD9 240-661637/2	250627002.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.3681	0.4478 0.4847	0.4342 +++++	0.3469 +++++	0.3748	Ave		0.4094				13.2		20.0			
N-Nitrosodimethylamine	0.8779	0.9000 0.9657	0.9028 0.9001	0.9157 0.9948	0.8825	Ave		0.9175				4.5		20.0			
Pyridine	0.8846 0.9759	1.0673 1.1476	0.9779 1.0116	0.8411 1.1958	0.9741	Ave		1.0084				11.3		20.0			
Benzaldehyde	1.3909 0.5983	0.6736 0.6207	0.7400 0.5326	0.7871 +++++	0.7193	Qua	7.3757	0.7398	-0.000050		0.0100			20.0	0.9960		0.9900
Phenol	1.5914	1.4736 1.8969	1.5207 1.6958	1.4843 1.8226	1.5198	Ave		1.6257			0.8000	10.0		20.0			
Aniline	2.3935	1.4119 2.7532	2.1166 2.3725	2.2277 2.5448	2.2928	Lin1	-56.16	2.5419						20.0	0.9960		0.9900
Bis(2-chloroethyl)ether	1.5964	1.5960 1.7820	1.6633 1.5837	1.6062 1.6503	1.5326	Ave		1.6263			0.7000	4.6		20.0			
2-Chlorophenol	1.3896	1.2757 1.5173	1.3780 1.4204	1.3449 1.4852	1.3091	Ave		1.3900			0.8000	6.0		20.0			
n-Decane	1.7288	1.9574 1.8960	1.8667 1.6244	1.7800 1.7052	1.7800	Ave		1.7923				6.1		20.0			
1,3-Dichlorobenzene	1.5286	1.6762 1.5769	1.5717 1.4734	1.6155 1.5097	1.5326	Ave		1.5606				4.1		20.0			
1,4-Dichlorobenzene	1.5925	1.6852 1.5910	1.6203 1.5139	1.6675 1.5763	1.5619	Ave		1.6011				3.5		20.0			
Benzyl alcohol	1.0584	0.5796 1.1855	0.7641 1.0369	0.9220 1.0899	0.9822	Lin1	-30.51	1.1032						20.0	0.9970		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 Calibration End Date: 06/27/2025 11:00 Calibration ID: 78082

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.5365	1.6368 1.5811	1.5520 1.5037	1.6169 1.5258	1.5093	Ave		1.5577				3.2		20.0			
2-Methylphenol	1.3905	1.0638 1.6029	1.2122 1.4085	1.2579 1.5170	1.2920	Lin1	-30.27	1.4928			0.7000			20.0	0.9960		0.9900
2,2'-oxybis[1-chloropropane]	2.5378	2.4871 2.8377	2.6405 2.4410	2.5502 2.5177	2.5177	Ave		2.5662				4.8		20.0			
Indene	2.5770	2.7370 2.6869	2.7394 2.3817	2.7461 2.3924	2.6223	Ave		2.6104				5.8		20.0			
3 & 4 Methylphenol	1.4629	1.0128 1.6709	1.2080 1.4822	1.3043 1.5796	1.3465	Lin1	-36.61	1.5645						20.0	0.9960		0.9900
N-Nitrosodi-n-propylamine	1.1537	0.8287 1.2377	0.9794 1.0600	1.1046 1.1032	1.1357	Ave		1.0754			0.5000	11.6		20.0			
Acetophenone	2.2633	1.9278 2.4090	2.0910 2.1214	2.1245 2.1972	2.2146	Ave		2.1686			0.0100	6.5		20.0			
Hexachloroethane	0.6720	0.6761 0.6881	0.6799 0.6564	0.7139 0.6872	0.6686	Ave		0.6803			0.3000	2.5		20.0			
Nitrobenzene	0.3850	0.3569 0.4005	0.3721 0.3751	0.3969 0.3772	0.3831	Ave		0.3808			0.2000	3.7		20.0			
Isophorone	0.7368	0.6578 0.7452	0.7342 0.6959	0.8270 0.6982	0.7561	Ave		0.7314			0.4000	6.9		20.0			
2-Nitrophenol	0.1870	0.1323 0.1990	0.1489 0.1865	0.1700 0.1902	0.1808	Ave		0.1743			0.1000	13.1		20.0			
2,4-Dimethylphenol	0.3597	0.3110 0.3695	0.3198 0.3455	0.3538 0.3424	0.3586	Ave		0.3451			0.2000	5.9		20.0			
Benzoic acid	0.1952	+++++ 0.2082	0.0879 0.2084	0.1453 0.2198	0.1636	Lin1	-30.35	0.2179						20.0	0.9980		0.9900
Bis(2-chloroethoxy)methane	0.4513	0.4548 0.4589	0.4564 0.4157	0.5090 0.4090	0.4754	Ave		0.4538			0.3000	7.0		20.0			
2,4-Dichlorophenol	0.2654	0.1871 0.2824	0.2147 0.2691	0.2471 0.2710	0.2511	Ave		0.2485			0.2000	13.0		20.0			
1,2,4-Trichlorobenzene	0.2728	0.3060 0.2867	0.2818 0.2681	0.2912 0.2705	0.2726	Ave		0.2812				4.6		20.0			
Naphthalene	1.1172 1.0507	1.1231 1.0800	1.1112 1.0015	1.1427 0.9796	1.0802	Ave		1.0762			0.7000	5.2		20.0			
4-Chloroaniline	0.4188	0.0964 0.4331	0.2515 0.4027	0.3946 0.3975	0.4185	Lin1	-13.80	0.4198			0.0100			20.0	0.9970		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 Calibration End Date: 06/27/2025 11:00 Calibration ID: 78082

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,6-Dichlorophenol	0.2758	0.2173 0.2872	0.2461 0.2700	0.2703 0.2653	0.2776	Ave		0.2637				8.4		20.0			
Hexachlorobutadiene	0.1473 0.1412	0.1615 0.1485	0.1532 0.1403	0.1601 0.1393	0.1440	Ave		0.1484			0.0100	5.6		20.0			
Caprolactam	0.0881 0.1234	0.0985 0.1255	0.1140 0.1186	0.1315 0.1192	0.1265	Ave		0.1161			0.0100	12.2		20.0			
4-Chloro-3-methylphenol	0.3092	0.2602 0.3139	0.3043 0.2964	0.3348 0.3027	0.3263	Ave		0.3060			0.2000	7.3		20.0			
2-Methylnaphthalene	0.5355 0.6171	0.6334 0.6304	0.6880 0.5872	0.7521 0.5748	0.6537	Ave		0.6303			0.4000	10.2		20.0			
1-Methylnaphthalene	0.6045 0.6470	0.6745 0.6558	0.7496 0.5983	0.7632 0.5964	0.6832	Ave		0.6636				9.3		20.0			
Hexachlorocyclopentadiene	0.3159	0.2303 0.3217	0.2668 0.3040	0.2844 0.3013	0.3083	Ave		0.2916			0.0500	10.4		20.0			
1,2,4,5-Tetrachlorobenzene	0.4678	0.4102 0.4649	0.3994 0.4375	0.4452 0.4308	0.4643	Ave		0.4400			0.0100	5.9		20.0			
2,4,6-Trichlorophenol	0.3454	0.2634 0.3564	0.3113 0.3394	0.3174 0.3398	0.3287	Ave		0.3252			0.2000	8.9		20.0			
2,4,5-Trichlorophenol	0.3582	0.3257 0.3723	0.3221 0.3630	0.3416 0.3645	0.3488	Ave		0.3495			0.2000	5.3		20.0			
1,1'-Biphenyl	1.3802 1.4766	1.5929 1.4603	1.5783 1.4097	1.6001 1.3805	1.5046	Ave		1.4870			0.0100	5.9		20.0			
2-Chloronaphthalene	0.9920 1.1507	1.2101 1.1498	1.1867 1.0970	1.1958 1.0678	1.1597	Ave		1.1344			0.8000	6.2		20.0			
2-Nitroaniline	0.3982	0.2651 0.4150	0.3139 0.4081	0.3447 0.4009	0.3725	Ave		0.3648			0.0100	14.6		20.0			
Dimethyl phthalate	1.2450	1.2733 1.2756	1.2282 1.2130	1.2784 1.1841	1.2157	Ave		1.2392			0.0100	2.8		20.0			
1,3-Dinitrobenzene	0.2180	0.1167 0.2265	0.1317 0.2204	0.1662 0.2225	0.1890	Lin1	-7.737	0.2246						20.0	0.9980		0.9900
2,6-Dinitrotoluene	0.3013	0.2135 0.3073	0.2365 0.2925	0.2727 0.2920	0.2751	Ave		0.2739				12.0		20.0			
Acenaphthylene	1.5820 1.8552	1.7927 1.8543	1.8665 1.7819	1.9611 1.7612	1.8508	Ave		1.8118			0.9000	5.8		20.0			
3-Nitroaniline	0.3077	0.1689 0.3239	0.1819 0.3222	0.2347 0.3123	0.2773	Lin1	-11.09	0.3210			0.0100			20.0	0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 Calibration End Date: 06/27/2025 11:00 Calibration ID: 78082

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,4-Dinitrophenol	0.1670	0.0345 0.1776	0.0707 0.1758	0.1044 0.1712	0.1424	Lin1	-18.81	0.1770			0.0100			20.0	0.9980		0.9900
Acenaphthene	1.2093 1.1424	1.2274 1.1272	1.2006 1.0612	1.2598 1.0289	1.1625	Ave		1.1577			0.9000	6.6		20.0			
4-Nitrophenol	0.2090	0.1157 0.2030	0.1592 0.2006	0.1772 0.2013	0.2031	Lin1	-8.765	0.2053						20.0	1.0000		0.9900
2,4-Dinitrotoluene	0.4059	0.2462 0.4141	0.3008 0.4028	0.3576 0.3960	0.3787	Lin1	-9.027	0.4074			0.2000			20.0	0.9990		0.9900
Dibenzofuran	1.5592 1.5787	1.6464 1.5704	1.6839 1.5110	1.6790 1.4729	1.5857	Ave		1.5875			0.8000	4.5		20.0			
2,3,4,6-Tetrachlorophenol	0.2637	0.1849 0.2757	0.2202 0.2628	0.2484 0.2585	0.2508	Ave		0.2456			0.0100	12.0		20.0			
Diethyl phthalate	1.2744	1.2991 1.2466	1.3311 1.2022	1.3175 1.1314	1.2894	Ave		1.2615			0.0100	5.3		20.0			
4-Chlorophenyl phenyl ether	0.5529	0.5740 0.5491	0.5766 0.5246	0.5614 0.5184	0.5435	Ave		0.5501			0.4000	3.8		20.0			
4-Nitroaniline	0.3257	0.2195 0.3151	0.2892 0.3067	0.3215 0.2868	0.3388	Ave		0.3004			0.0100	12.4		20.0			
Fluorene	1.1844 1.2702	1.3355 1.2634	1.3569 1.2314	1.3729 1.1842	1.3212	Ave		1.2800			0.9000	5.6		20.0			
4,6-Dinitro-2-methylphenol	0.1408	0.0605 0.1482	0.0854 0.1471	0.1098 0.1415	0.1259	Lin1	-10.79	0.1466			0.0100			20.0	0.9990		0.9900
Diphenylamine	0.7154	0.6777 0.7358	0.6887 0.7093	0.7266 0.6735	0.7085	Ave		0.7044				3.2		20.0			
N-Nitrosodiphenylamine	0.6081	0.5760 0.6254	0.5854 0.6029	0.6176 0.5725	0.6022	Ave		0.5988			0.0100	3.2		20.0			
Azobenzene	0.9761	0.9343 0.9912	0.9804 0.9562	0.9886 0.9233	0.9910	Ave		0.9676				2.8		20.0			
4-Bromophenyl phenyl ether	0.1866	0.1821 0.1913	0.1794 0.1846	0.1860 0.1837	0.1811	Ave		0.1843			0.1000	2.0		20.0			
Hexachlorobenzene	0.1771 0.1952	0.2105 0.1962	0.1884 0.1945	0.1937 0.1895	0.1899	Ave		0.1928			0.1000	4.6		20.0			
Atrazine	0.1423 0.1939	0.1783 0.1932	0.1874 0.1845	0.1929 0.1732	0.1979	Ave		0.1826			0.0100	9.4		20.0			
n-Octadecane	0.5910	0.6483 0.5488	0.6610 0.5031	0.6839 0.4577	0.6407	Ave		0.5918				13.8		20.0			

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CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 Calibration End Date: 06/27/2025 11:00 Calibration ID: 78082

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Pentachlorophenol	0.1248	0.0556 0.1296	0.0784 0.1301	0.1066 0.1253	0.1185	Lin1	-8.506	0.1297			0.0500			20.0	0.9990		0.9900
Phenanthrene	1.1838 1.1454	1.2537 1.1399	1.2254 1.0868	1.1700 1.0618	1.1463	Ave		1.1570			0.7000	5.2		20.0			
Anthracene	0.9720 1.1628	1.1165 1.1831	1.1487 1.1327	1.1624 1.0984	1.1593	Ave		1.1262			0.7000	5.6		20.0			
Carbazole	1.1298	1.0690 1.1482	1.1188 1.1059	1.1148 1.0735	1.1037	Ave		1.1080			0.0100	2.4		20.0			
Di-n-butyl phthalate	1.3373	1.1384 1.3618	1.2265 1.3168	1.2357 1.2957	1.2716	Ave		1.2730			0.0100	5.6		20.0			
Fluoranthene	0.8925 1.1248	1.1037 1.1471	1.1031 1.0974	1.0915 1.0570	1.0767	Ave		1.0771			0.6000	6.9		20.0			
Benzidine	0.6870	0.0957 0.7746	0.2529 0.7477	0.4375 0.7287	0.5870	Lin1	-87.40	0.7550						20.0	0.9960		0.9900
Pyrene	1.4869 1.5335	1.5614 1.5403	1.5587 1.4868	1.6167 1.5234	1.5039	Ave		1.5346			0.6000	2.7		20.0			
Butyl benzyl phthalate	0.7495	0.5036 0.7951	0.5847 0.7717	0.6594 0.8123	0.6766	Lin1	-20.15	0.7938			0.0100			20.0	0.9980		0.9900
3,3'-Dichlorobenzidine	0.4561	0.2427 0.4646	0.3228 0.4324	0.3973 0.4306	0.4367	Lin1	-20.31	0.4481			0.0100			20.0	0.9980		0.9900
Bis(2-ethylhexyl) phthalate	1.0217	0.6419 1.0265	0.7618 0.9604	0.8845 0.9551	0.9408	Lin1	-18.42	0.9902			0.0100			20.0	0.9990		0.9900
Benzo[a]anthracene	1.1673 1.3292	1.2869 1.3556	1.2648 1.3209	1.3294 1.3659	1.2605	Ave		1.2978			0.8000	4.7		20.0			
Chrysene	1.3164 1.2713	1.2432 1.3252	1.2734 1.2753	1.3027 1.2963	1.2583	Ave		1.2847			0.7000	2.1		20.0			
Di-n-octyl phthalate	1.7062	0.7275 1.8563	0.8803 1.8278	1.1181 1.8737	1.4404	Lin1	-87.03	1.8592			0.0100			20.0	0.9960		0.9900
Benzo[b]fluoranthene	0.7558 1.2361	0.8852 1.3310	1.0261 1.2745	1.0764 1.2865	1.1676	Qua2	-3.351	1.0661	0.0001161		0.7000			20.0	0.9970		0.9900
Benzo[k]fluoranthene	1.0362 1.4252	1.3270 1.4683	1.2981 1.3821	1.3512 1.3297	1.3876	Ave		1.3339			0.7000	9.3		20.0			
Benzo[a]pyrene	0.7057 1.2098	0.8725 1.2868	0.9530 1.2345	1.0726 1.2464	1.1339	Qua2	-3.567	1.0385	0.0001103		0.7000			20.0	0.9970		0.9900
Indeno[1,2,3-cd]pyrene	0.6355 1.4097	0.9856 1.4874	1.0923 1.4380	1.2256 1.4347	1.3187	Qua2	-6.014	1.2099	0.0001244		0.5000			20.0	0.9970		0.9900

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GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 Calibration End Date: 06/27/2025 11:00 Calibration ID: 78082

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dibenz(a,h)anthracene	0.5396 1.1245	0.7190 1.2126	0.8438 1.1618	0.9887 1.1540	1.0908	Qua2	-4.425	0.9488	0.0001161		0.4000			20.0	0.9930		0.9900
Benzo[g,h,i]perylene	0.6894 1.1824	0.9015 1.2583	0.9803 1.2095	1.0775 1.2087	1.1330	Qua2	-3.877	1.0576	0.0000844		0.5000			20.0	0.9980		0.9900
2-Fluorophenol (Surr)	0.8927 0.9633	1.1274 0.8721	0.9508 0.9885	0.9474 1.0022	0.9545	Ave		0.9665				7.6		20.0			
Phenol-d5 (Surr)	1.2985 1.5515	1.4263 1.8376	1.4512 1.6862	1.4627 1.8420	1.5183	Ave		1.5638				12.0		20.0			
Nitrobenzene-d5 (Surr)	0.3703 0.4193	0.4080 0.4396	0.4044 0.4178	0.4291 0.4216	0.4211	Ave		0.4146				4.7		20.0			
2-Fluorobiphenyl (Surr)	1.3716 1.2908	1.3973 1.2917	1.3478 1.2157	1.3483 1.1972	1.2952	Ave		1.3062				5.2		20.0			
2,4,6-Tribromophenol (Surr)	+++++ 0.1495	0.0906 0.1562	0.1224 0.1548	0.1307 0.1509	0.1353	Ave		0.1363				16.3		20.0			
Terphenyl-d14 (Surr)	1.5645 1.0063	1.0045 1.0411	1.0022 1.0030	1.0392 0.9989	0.9970	Lin1	4.3400	1.0057						20.0	1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-661637/10	250627010.D
Level 2	STD2 240-661637/9	250627009.D
Level 3	STD3 240-661637/8	250627008.D
Level 4	STD4 240-661637/7	250627007.D
Level 5	STD5 240-661637/6	250627006.D
Level 6	STD6 240-661637/5	250627005.D
Level 7	STD7 240-661637/4	250627004.D
Level 8	STD8 240-661637/3	250627003.D
Level 9	STD9 240-661637/2	250627002.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd4	Ave	100260	5996 179445	10658 +++++	17712 +++++	50959	1000	50.0 1500	100 +++++	200 +++++	500
N-Nitrosodimethylamine	DCBd4	Ave	239090	12050 357560	22163 512755	46749 700532	119995	1000	50.0 1500	100 2000	200 2500	500
Pyridine	DCBd4	Ave	4164 531533	28580 849799	48011 1152509	85879 1684081	264902	20.0 2000	100 3000	200 4000	400 5000	1000
Benzaldehyde	DCBd4	Qua	6547 325887	18037 459611	36331 606730	80371 +++++	195609	20.0 2000	100 3000	200 4000	400 +++++	1000
Phenol	DCBd4	Ave	433397	19730 702333	37332 966014	75778 1283445	206654	1000	50.0 1500	100 2000	200 2500	500
Aniline	DCBd4	Lin1	651845	18904 1019373	51959 1351469	113734 1791982	311758	1000	50.0 1500	100 2000	200 2500	500
Bis(2-chloroethyl)ether	DCBd4	Ave	434757	21369 659775	40832 902146	82004 1162090	208396	1000	50.0 1500	100 2000	200 2500	500
2-Chlorophenol	DCBd4	Ave	378449	17080 561789	33828 809141	68660 1045842	178003	1000	50.0 1500	100 2000	200 2500	500
n-Decane	DCBd4	Ave	470826	26207 701977	45825 925332	90874 1200753	242034	1000	50.0 1500	100 2000	200 2500	500
1,3-Dichlorobenzene	DCBd4	Ave	416301	22443 583860	38582 839332	82479 1063128	208390	1000	50.0 1500	100 2000	200 2500	500
1,4-Dichlorobenzene	DCBd4	Ave	433684	22563 589061	39775 862367	85133 1110027	212372	1000	50.0 1500	100 2000	200 2500	500
Benzyl alcohol	DCBd4	Lin1	288252	7760 438912	18758 590635	47069 767511	133548	1000	50.0 1500	100 2000	200 2500	500
1,2-Dichlorobenzene	DCBd4	Ave	418430	21915 585385	38099 856565	82548 1074446	205221	1000	50.0 1500	100 2000	200 2500	500
2-Methylphenol	DCBd4	Lin1	378681	14243 593464	29758 802316	64219 1068276	175678	1000	50.0 1500	100 2000	200 2500	500
2,2'-oxybis[1-chloropropane]	DCBd4	Ave		33300	64820	130197	342344		50.0	100	200	500

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			691145	1050662	1390506	1772917		1000	1500	2000	2500	
Indene	DCBd4	Ave	1403622	73291 1989644	134494 2713475	280398 3369395	713120	2000	100 3000	200 4000	400 5000	1000
3 & 4 Methylphenol	DCBd4	Lin1	398412	13560 618644	29655 844293	66591 1112321	183092	1000	50.0 1500	100 2000	200 2500	500
N-Nitrosodi-n-propylamine	DCBd4	Ave	314180	11095 458239	24043 603818	56393 776831	154420	1000	50.0 1500	100 2000	200 2500	500
Acetophenone	DCBd4	Ave	616369	25811 891940	51330 1208444	108461 1547235	301129	1000	50.0 1500	100 2000	200 2500	500
Hexachloroethane	DCBd4	Ave	183003	9052 254781	16690 373892	36448 483918	90910	1000	50.0 1500	100 2000	200 2500	500
Nitrobenzene	NPT	Ave	472970	17645 706240	37600 944277	79966 1224125	224495	1000	50.0 1500	100 2000	200 2500	500
Isophorone	NPT	Ave	905241	32520 1314015	74185 1751955	166631 2265843	443082	1000	50.0 1500	100 2000	200 2500	500
2-Nitrophenol	NPT	Ave	229723	6541 350920	15043 469485	34256 617349	105945	1000	50.0 1500	100 2000	200 2500	500
2,4-Dimethylphenol	NPT	Ave	441988	15377 651599	32312 869811	71290 1111237	210155	1000	50.0 1500	100 2000	200 2500	500
Benzoic acid	NPT	Lin1	479638	+++++ 734377	17756 1049189	58542 1426474	191785	2000	+++++ 3000	200 4000	400 5000	1000
Bis(2-chloroethoxy)methane	NPT	Ave	554527	22485 809175	46114 1046659	102571 1327511	278593	1000	50.0 1500	100 2000	200 2500	500
2,4-Dichlorophenol	NPT	Ave	326071	9250 498034	21690 677448	49792 879543	147135	1000	50.0 1500	100 2000	200 2500	500
1,2,4-Trichlorobenzene	NPT	Ave	335186	15129 505625	28470 674893	58681 878047	159757	1000	50.0 1500	100 2000	200 2500	500
Naphthalene	NPT	Ave	10662 1290952	55522 1904342	112275 2521510	230251 3179341	633017	10.0 1000	50.0 1500	100 2000	200 2500	500
4-Chloroaniline	NPT	Lin1	514508	4768 763627	25409 1013800	79515 1289919	245216	1000	50.0 1500	100 2000	200 2500	500
2,6-Dichlorophenol	NPT	Ave	338839	10744 506384	24868 679874	54461 861098	162699	1000	50.0 1500	100 2000	200 2500	500
Hexachlorobutadiene	NPT	Ave	1406 173512	7983 261885	15475 353267	32250 452118	84358	10.0 1000	50.0 1500	100 2000	200 2500	500
Caprolactam	NPT	Ave	1681 303266	9739 442719	23030 597259	52992 773910	148239	20.0 2000	100 3000	200 4000	400 5000	1000
4-Chloro-3-methylphenol	NPT	Ave	379936	12863 553601	30747 746247	67458 982264	191196	1000	50.0 1500	100 2000	200 2500	500
2-Methylnaphthalene	NPT	Ave	5111 758156	31315 1111587	69513 1478453	151548 1865600	383065	10.0 1000	50.0 1500	100 2000	200 2500	500

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Ave	5769 794977	33343 1156324	75734 1506336	153783 1935528	400352	10.0 1000	50.0 1500	100 2000	200 2500	500
Hexachlorocyclopentadiene	ANT	Ave	 208356	6597 304777	16513 400778	35804 511282	102576	 1000	50.0 1500	100 2000	200 2500	500
1,2,4,5-Tetrachlorobenzene	ANT	Ave	 308518	11750 440537	24721 576656	56044 730960	154514	 1000	50.0 1500	100 2000	200 2500	500
2,4,6-Trichlorophenol	ANT	Ave	 227779	7545 337674	19264 447428	39952 576560	109375	 1000	50.0 1500	100 2000	200 2500	500
2,4,5-Trichlorophenol	ANT	Ave	 236198	9331 352800	19936 478470	43000 618373	116059	 1000	50.0 1500	100 2000	200 2500	500
1,1'-Biphenyl	ANT	Ave	7932 973822	45631 1383657	97678 1858259	201433 2342208	500666	10.0 1000	50.0 1500	100 2000	200 2500	500
2-Chloronaphthalene	ANT	Ave	5701 758855	34665 1089449	73445 1446067	150545 1811733	385915	10.0 1000	50.0 1500	100 2000	200 2500	500
2-Nitroaniline	ANT	Ave	 262593	7595 393235	19426 537989	43391 680190	123946	 1000	50.0 1500	100 2000	200 2500	500
Dimethyl phthalate	ANT	Ave	 821068	36475 1208656	76011 1598888	160935 2008964	404555	 1000	50.0 1500	100 2000	200 2500	500
1,3-Dinitrobenzene	ANT	Lin1	 143767	3342 214617	8151 290533	20926 377467	62898	 1000	50.0 1500	100 2000	200 2500	500
2,6-Dinitrotoluene	ANT	Ave	 198676	6116 291218	14639 385596	34327 495416	91529	 1000	50.0 1500	100 2000	200 2500	500
Acenaphthylene	ANT	Ave	9092 1223491	51353 1756962	115517 2348827	246885 2988156	615896	10.0 1000	50.0 1500	100 2000	200 2500	500
3-Nitroaniline	ANT	Lin1	 202943	4838 306902	11260 424724	29547 529879	92268	 1000	50.0 1500	100 2000	200 2500	500
2,4-Dinitrophenol	ANT	Lin1	 220278	1975 336552	8753 463540	26286 581046	94744	 2000	100 3000	200 4000	400 5000	1000
Acenaphthene	ANT	Ave	6950 753402	35161 1068033	74303 1398793	158599 1745610	386826	10.0 1000	50.0 1500	100 2000	200 2500	500
4-Nitrophenol	ANT	Lin1	 275639	6629 384776	19702 528756	44621 683104	135179	 2000	100 3000	200 4000	400 5000	1000
2,4-Dinitrotoluene	ANT	Lin1	 267687	7053 392408	18613 530919	45014 671846	126029	 1000	50.0 1500	100 2000	200 2500	500
Dibenzofuran	ANT	Ave	8961 1041098	47163 1487957	104214 1991744	211370 2499025	527665	10.0 1000	50.0 1500	100 2000	200 2500	500
2,3,4,6-Tetrachlorophenol	ANT	Ave	 173914	5296 261228	13625 346369	31267 438570	83454	 1000	50.0 1500	100 2000	200 2500	500
Diethyl phthalate	ANT	Ave	 840416	37214 1181199	82378 1584750	165867 1919570	429058	 1000	50.0 1500	100 2000	200 2500	500
4-Chlorophenyl phenyl ether	ANT	Ave		16443	35683	70675	180874		50.0	100	200	500

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			364622	520288	691564	879575		1000	1500	2000	2500	
4-Nitroaniline	ANT	Ave	214789	6288 298567	17895 404315	40469 486626	112728	1000	50.0 1500	100 2000	200 2500	500
Fluorene	ANT	Ave	6807 837674	38258 1197135	83979 1623167	172832 2009177	439661	10.0 1000	50.0 1500	100 2000	200 2500	500
4,6-Dinitro-2-methylphenol	PHN	Lin1	286484	5431 426830	16639 589672	43672 727052	130079	2000	100 3000	200 4000	400 5000	1000
Diphenylamine	PHN	Ave	618571	25873 900375	57046 1208655	122825 1470603	310996	850	42.5 1275	85.0 1700	170 2125	425
N-Nitrosodiphenylamine	PHN	Ave	618571	25873 900375	57046 1208655	122825 1470603	310996	1000	50.0 1500	100 2000	200 2500	500
Azobenzene	PHN	Ave	992829	41963 1427038	95540 1916955	196596 2371721	511797	1000	50.0 1500	100 2000	200 2500	500
4-Bromophenyl phenyl ether	PHN	Ave	189822	8178 275353	17484 369968	36979 471811	93533	1000	50.0 1500	100 2000	200 2500	500
Hexachlorobenzene	PHN	Ave	1614 198562	9453 282469	18358 389969	38522 486843	98070	10.0 1000	50.0 1500	100 2000	200 2500	500
Atrazine	PHN	Ave	2593 394451	16018 556410	36530 739746	76734 889615	204458	20.0 2000	100 3000	200 4000	400 5000	1000
n-Octadecane	PHN	Ave	601152	29121 790094	64409 1008558	135997 1175802	330882	1000	50.0 1500	100 2000	200 2500	500
Pentachlorophenol	PHN	Lin1	253972	4998 373096	15289 521745	42409 643628	122435	2000	100 3000	200 4000	400 5000	1000
Phenanthrene	PHN	Ave	10787 1165104	56311 1641035	119410 2178580	232663 2727509	591968	10.0 1000	50.0 1500	100 2000	200 2500	500
Anthracene	PHN	Ave	8857 1182777	50150 1703242	111933 2270589	231161 2821540	598684	10.0 1000	50.0 1500	100 2000	200 2500	500
Carbazole	PHN	Ave	1149223	48017 1652982	109026 2217012	221698 2757494	569997	1000	50.0 1500	100 2000	200 2500	500
Di-n-butyl phthalate	PHN	Ave	1360311	51131 1960455	119520 2639661	245744 3328363	656723	1000	50.0 1500	100 2000	200 2500	500
Fluoranthene	PHN	Ave	8133 1144145	49576 1651412	107491 2199883	217059 2715115	556053	10.0 1000	50.0 1500	100 2000	200 2500	500
Benzidine	CRY	Lin1	1089582	6387 1722708	37146 2301694	127741 2750498	461792	2000	100 3000	200 4000	400 5000	1000
Pyrene	CRY	Ave	9426 1216070	52083 1712716	114489 2288372	236042 2875028	591541	10.0 1000	50.0 1500	100 2000	200 2500	500
Butyl benzyl phthalate	CRY	Lin1	594363	16800 884095	42947 1187656	96281 1533034	266152	1000	50.0 1500	100 2000	200 2500	500
3,3'-Dichlorobenzidine	CRY	Lin1	723437	16192 1033309	47419 1331008	116007 1625308	343527	2000	100 3000	200 4000	400 5000	1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Bis(2-ethylhexyl) phthalate	CRY	Lin1	810240	21413 1141424	55957 1478218	129135 1802550	370054	1000	50.0 1500	100 2000	200 2500	500
Benzo[a]anthracene	CRY	Ave	7400 1054031	42926 1507379	92900 2033033	194091 2577775	495833	10.0 1000	50.0 1500	100 2000	200 2500	500
Chrysene	CRY	Ave	8345 1008111	41469 1473521	93528 1962784	190191 2446370	494950	10.0 1000	50.0 1500	100 2000	200 2500	500
Di-n-octyl phthalate	PRY	Lin1	1269428	22008 1936680	59684 2713234	154595 3554111	519253	1000	50.0 1500	100 2000	200 2500	500
Benzo[b]fluoranthene	PRY	Qua2	4348 919667	26777 1388614	69573 1891992	148831 2440196	420918	10.0 1000	50.0 1500	100 2000	200 2500	500
Benzo[k]fluoranthene	PRY	Ave	5961 1060378	40141 1531825	88015 2051687	186825 2522298	500217	10.0 1000	50.0 1500	100 2000	200 2500	500
Benzo[a]pyrene	PRY	Qua2	4060 900162	26393 1342511	64613 1832497	148311 2364279	408742	10.0 1000	50.0 1500	100 2000	200 2500	500
Indeno[1,2,3-cd]pyrene	PRY	Qua2	3656 1048891	29815 1551741	74062 2134697	169457 2721429	475371	10.0 1000	50.0 1500	100 2000	200 2500	500
Dibenz(a,h)anthracene	PRY	Qua2	3104 836669	21748 1265074	57210 1724576	136711 2189007	393213	10.0 1000	50.0 1500	100 2000	200 2500	500
Benzo[g,h,i]perylene	PRY	Qua2	3966 879732	27270 1312773	66462 1795424	148984 2292769	408422	10.0 1000	50.0 1500	100 2000	200 2500	500
2-Fluorophenol (Surr)	DCBd4	Ave	2101 262350	15094 322903	23341 563110	48369 705745	129779	10.0 1000	50.0 1500	100 2000	200 2500	500
Phenol-d5 (Surr)	DCBd4	Ave	3056 422522	19097 680385	35624 960524	74677 1297101	206453	10.0 1000	50.0 1500	100 2000	200 2500	500
Nitrobenzene-d5 (Surr)	NPT	Ave	3534 515223	20170 775182	40859 1051899	86468 1368126	246744	10.0 1000	50.0 1500	100 2000	200 2500	500
2-Fluorobiphenyl (Surr)	ANT	Ave	7883 851266	40028 1223872	83416 1602484	169744 2031202	431005	10.0 1000	50.0 1500	100 2000	200 2500	500
2,4,6-Tribromophenol (Surr)	ANT	Ave	+++++ 98594	2596 148042	7573 204038	16454 256058	45027	+++++ 1000	50.0 1500	100 2000	200 2500	500
Terphenyl-d14 (Surr)	CRY	Lin1	9918 797977	33506 1157601	73615 1543774	151728 1885088	392170	10.0 1000	50.0 1500	100 2000	200 2500	500

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS/ ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-661637/10	250627010.D
Level 2	STD2 240-661637/9	250627009.D
Level 3	STD3 240-661637/8	250627008.D
Level 4	STD4 240-661637/7	250627007.D
Level 5	STD5 240-661637/6	250627006.D
Level 6	STD6 240-661637/5	250627005.D
Level 7	STD7 240-661637/4	250627004.D
Level 8	STD8 240-661637/3	250627003.D
Level 9	STD9 240-661637/2	250627002.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
1,4-Dioxane	18.4	9.4 +++++	6.0 +++++	-15.3	-8.5	-10.1	30	50	30	30	30	30
N-Nitrosodimethylamine	5.3	-1.9 -1.9	-1.6 8.4	-0.2	-3.8	-4.3	30	50 30	30 30	30	30	30
Pyridine	-12.3 13.8	5.8 0.3	-3.0 18.6	-16.6	-3.4	-3.2	50 30	30 30	30 30	30	30	30
Benzaldehyde	38.4 7.0	-18.5 -2.2	-3.7 +++++	7.0	3.5	-8.1	50 30	30 30	30	30	30	30
Phenol	16.7	-9.4 4.3	-6.5 12.1	-8.7	-6.5	-2.1	30	50 30	30 30	30	30	30
Aniline	9.8	-0.3 -5.6	5.4 1.0	-1.3	-5.4	-3.6	30	50 30	30 30	30	30	30
Bis(2-chloroethyl)ether	9.6	-1.9 -2.6	2.3 1.5	-1.2	-5.8	-1.8	30	50 30	30 30	30	30	30
2-Chlorophenol	9.2	-8.2 2.2	-0.9 6.8	-3.2	-5.8	0.0	30	50 30	30 30	30	30	30
n-Decane	5.8	9.2 -9.4	4.2 -4.9	-0.7	-0.7	-3.5	30	50 30	30 30	30	30	30
1,3-Dichlorobenzene	1.0	7.4 -5.6	0.7 -3.3	3.5	-1.8	-2.0	30	50 30	30 30	30	30	30
1,4-Dichlorobenzene	-0.6	5.3 -5.4	1.2 -1.5	4.2	-2.4	-0.5	30	50 30	30 30	30	30	30
Benzyl alcohol	9.3	7.8 -4.6	-3.1 -0.1	-2.6	-5.4	-1.3	30	50 30	30 30	30	30	30
1,2-Dichlorobenzene	1.5	5.1 -3.5	-0.4 -2.1	3.8	-3.1	-1.4	30	50 30	30 30	30	30	30
2-Methylphenol	8.7	11.8 -4.6	1.5 2.4	-5.6	-9.4	-4.8	30	50 30	30 30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS/ ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
2,2'-oxybis[1-chloropropane]	10.6	-3.1 -4.9	2.9 -1.9	-0.6	-1.9	-1.1	30	50 30	30 30	30	30	30
Indene	2.9	4.9 -8.8	4.9 -8.3	5.2	0.5	-1.3	30	50 30	30 30	30	30	30
3 & 4 Methylphenol	8.4	11.5 -4.1	0.6 1.9	-4.9	-9.2	-4.1	30	50 30	30 30	30	30	30
N-Nitrosodi-n-propylamine	15.1	-22.9 -1.4	-8.9 2.6	2.7	5.6	7.3	30	50 30	30 30	30	30	30
Acetophenone	11.1	-11.1 -2.2	-3.6 1.3	-2.0	2.1	4.4	30	50 30	30 30	30	30	30
Hexachloroethane	1.2	-0.6 -3.5	-0.1 1.0	4.9	-1.7	-1.2	30	50 30	30 30	30	30	30
Nitrobenzene	5.2	-6.3 -1.5	-2.3 -1.0	4.2	0.6	1.1	30	50 30	30 30	30	30	30
Isophorone	1.9	-10.1 -4.9	0.4 -4.5	13.1	3.4	0.7	30	50 30	30 30	30	30	30
2-Nitrophenol	14.2	-24.1 7.0	-14.6 9.1	-2.5	3.7	7.2	30	50 30	30 30	30	30	30
2,4-Dimethylphenol	7.1	-9.9 0.1	-7.3 -0.8	2.5	3.9	4.3	30	50 30	30 30	30	30	30
Benzoic acid	0.2	+++++ -0.9	10.0 3.6	1.5	-11.0	-3.5	30	30	50 30	30	30	30
Bis(2-chloroethoxy)methane	1.1	0.2 -8.4	0.6 -9.9	12.2	4.8	-0.6	30	50 30	30 30	30	30	30
2,4-Dichlorophenol	13.7	-24.7 8.3	-13.6 9.1	-0.6	1.0	6.8	30	50 30	30 30	30	30	30
1,2,4-Trichlorobenzene	2.0	8.8 -4.7	0.2 -3.8	3.6	-3.1	-3.0	30	50 30	30 30	30	30	30
Naphthalene	3.8 0.3	4.4 -6.9	3.2 -9.0	6.2	0.4	-2.4	50 30	30 30	30 30	30	30	30
4-Chloroaniline	5.3	-11.3 -2.4	-7.2 -4.0	10.4	6.2	3.0	30	50 30	30 30	30	30	30
2,6-Dichlorophenol	8.9	-17.6 2.4	-6.7 0.6	2.5	5.3	4.6	30	50 30	30 30	30	30	30
Hexachlorobutadiene	-0.7 0.1	8.8 -5.4	3.2 -6.1	7.9	-3.0	-4.8	50 30	30 30	30 30	30	30	30
Caprolactam	-24.2 8.1	-15.2 2.1	-1.9 2.7	13.2	8.9	6.3	50 30	30 30	30 30	30	30	30
4-Chloro-3-methylphenol	2.6	-15.0 -3.1	-0.5 -1.1	9.4	6.6	1.1	30	50 30	30 30	30	30	30
2-Methylnaphthalene	-15.0 0.0	0.5 -6.8	9.2 -8.8	19.3	3.7	-2.1	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS/ ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
1-Methylnaphthalene	-8.9 / -1.2	1.6 / -9.8	13.0 / -10.1	15.0	3.0	-2.5	50 / 30	30 / 30	30 / 30	30	30	30
Hexachlorocyclopentadiene	10.3	-21.0 / 4.3	-8.5 / 3.3	-2.5	5.7	8.3	30	50 / 30	30 / 30	30	30	30
1,2,4,5-Tetrachlorobenzene	5.7	-6.8 / -0.6	-9.2 / -2.1	1.2	5.5	6.3	30	50 / 30	30 / 30	30	30	30
2,4,6-Trichlorophenol	9.6	-19.0 / 4.4	-4.3 / 4.5	-2.4	1.1	6.2	30	50 / 30	30 / 30	30	30	30
2,4,5-Trichlorophenol	6.5	-6.8 / 3.9	-7.8 / 4.3	-2.3	-0.2	2.5	30	50 / 30	30 / 30	30	30	30
1,1'-Biphenyl	-7.2 / -1.8	7.1 / -5.2	6.1 / -7.2	7.6	1.2	-0.7	50 / 30	30 / 30	30 / 30	30	30	30
2-Chloronaphthalene	-12.6 / 1.4	6.7 / -3.3	4.6 / -5.9	5.4	2.2	1.4	50 / 30	30 / 30	30 / 30	30	30	30
2-Nitroaniline	13.8	-27.3 / 11.9	-14.0 / 9.9	-5.5	2.1	9.2	30	50 / 30	30 / 30	30	30	30
Dimethyl phthalate	2.9	2.8 / -2.1	-0.9 / -4.4	3.2	-1.9	0.5	30	50 / 30	30 / 30	30	30	30
1,3-Dinitrobenzene	3.1	20.8 / -0.2	-6.9 / 0.4	-8.8	-9.0	0.5	30	50 / 30	30 / 30	30	30	30
2,6-Dinitrotoluene	12.2	-22.0 / 6.8	-13.6 / 6.6	-0.4	0.4	10.0	30	50 / 30	30 / 30	30	30	30
Acenaphthylene	-12.7 / 2.3	-1.1 / -1.6	3.0 / -2.8	8.2	2.2	2.4	50 / 30	30 / 30	30 / 30	30	30	30
3-Nitroaniline	3.2	21.7 / 2.1	-8.8 / -1.3	-9.6	-6.7	-0.7	30	50 / 30	30 / 30	30	30	30
2,4-Dinitrophenol	3.9	25.8 / 2.0	-6.9 / -1.1	-14.4	-8.9	-0.3	30	50 / 30	30 / 30	30	30	30
Acenaphthene	4.5 / -2.6	6.0 / -8.3	3.7 / -11.1	8.8	0.4	-1.3	50 / 30	30 / 30	30 / 30	30	30	30
4-Nitrophenol	0.3	-1.0 / -1.2	-1.1 / -1.1	-3.0	3.2	3.9	30	50 / 30	30 / 30	30	30	30
2,4-Dinitrotoluene	3.1	4.7 / 0.0	-4.0 / -1.9	-1.2	-2.6	1.8	30	50 / 30	30 / 30	30	30	30
Dibenzofuran	-1.8 / -1.1	3.7 / -4.8	6.1 / -7.2	5.8	-0.1	-0.6	50 / 30	30 / 30	30 / 30	30	30	30
2,3,4,6-Tetrachlorophenol	12.3	-24.7 / 7.0	-10.4 / 5.2	1.1	2.1	7.4	30	50 / 30	30 / 30	30	30	30
Diethyl phthalate	-1.2	3.0 / -4.7	5.5 / -10.3	4.4	2.2	1.0	30	50 / 30	30 / 30	30	30	30
4-Chlorophenyl phenyl ether	-0.2	4.4 / -4.6	4.8 / -5.8	2.1	-1.2	0.5	30	50 / 30	30 / 30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS/ ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
4-Nitroaniline	4.9	-26.9 2.1	-3.7 -4.5	7.0	12.8	8.4	30	50 30	30 30	30	30	30
Fluorene	-7.5 -1.3	4.3 -3.8	6.0 -7.5	7.3	3.2	-0.8	50 30	30 30	30 30	30	30	30
4,6-Dinitro-2-methylphenol	3.6	14.9 2.2	-4.9 -2.0	-6.7	-6.7	-0.3	30	50 30	30 30	30	30	30
Diphenylamine	4.4	-3.8 0.7	-2.2 -4.4	3.1	0.6	1.6	30	50 30	30 30	30	30	30
N-Nitrosodiphenylamine	4.4	-3.8 0.7	-2.2 -4.4	3.1	0.6	1.6	30	50 30	30 30	30	30	30
Azobenzene	2.4	-3.5 -1.2	1.3 -4.6	2.2	2.4	0.9	30	50 30	30 30	30	30	30
4-Bromophenyl phenyl ether	3.8	-1.2 0.1	-2.7 -0.4	0.9	-1.7	1.2	30	50 30	30 30	30	30	30
Hexachlorobenzene	-8.1 1.8	9.2 0.9	-2.3 -1.7	0.5	-1.5	1.3	50 30	30 30	30 30	30	30	30
Atrazine	-22.1 5.8	-2.4 1.0	2.6 -5.2	5.6	8.4	6.2	50 30	30 30	30 30	30	30	30
n-Octadecane	-7.3	9.6 -15.0	11.7 -22.7	15.6	8.3	-0.1	30	50 30	30 30	30	30	30
Pentachlorophenol	2.1	8.5 2.0	-6.7 -2.1	-1.4	-2.0	-0.4	30	50 30	30 30	30	30	30
Phenanthrene	2.3 -1.5	8.4 -6.1	5.9 -8.2	1.1	-0.9	-1.0	50 30	30 30	30 30	30	30	30
Anthracene	-13.7 5.1	-0.9 0.6	2.0 -2.5	3.2	2.9	3.3	50 30	30 30	30 30	30	30	30
Carbazole	3.6	-3.5 -0.2	1.0 -3.1	0.6	-0.4	2.0	30	50 30	30 30	30	30	30
Di-n-butyl phthalate	7.0	-10.6 3.4	-3.6 1.8	-2.9	-0.1	5.1	30	50 30	30 30	30	30	30
Fluoranthene	-17.1 6.5	2.5 1.9	2.4 -1.9	1.3	0.0	4.4	50 30	30 30	30 30	30	30	30
Benzidine	6.5	28.4 1.9	-8.6 -1.2	-13.1	-10.7	-3.2	30	50 30	30 30	30	30	30
Pyrene	-3.1 0.4	1.7 -3.1	1.6 -0.7	5.3	-2.0	-0.1	50 30	30 30	30 30	30	30	30
Butyl benzyl phthalate	1.9	14.2 -1.5	-1.0 3.3	-4.2	-9.7	-3.0	30	50 30	30 30	30	30	30
3,3'-Dichlorobenzidine	5.2	-0.5 -2.4	-5.3 -3.0	0.0	2.0	4.1	30	50 30	30 30	30	30	30
Bis(2-ethylhexyl) phthalate	4.9	2.0 -2.1	-4.5 -2.8	-1.4	-1.3	5.0	30	50 30	30 30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS/ ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 08:00 | Calibration End Date: 06/27/2025 11:00 | Calibration ID: 78082

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # / LVL 7 #	LVL 2 # / LVL 8 #	LVL 3 # / LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 / LVL 7	LVL 2 / LVL 8	LVL 3 / LVL 9	LVL 4	LVL 5	LVL 6
Benzo[a]anthracene	-10.1 / 4.5	-0.8 / 1.8	-2.5 / 5.2	2.4	-2.9	2.4	50 / 30	30 / 30	30 / 30	30	30	30
Chrysene	2.5 / 3.2	-3.2 / -0.7	-0.9 / 0.9	1.4	-2.1	-1.0	50 / 30	30 / 30	30 / 30	30	30	30
Di-n-octyl phthalate	/ 3.0	32.8 / 0.6	-5.8 / 2.7	-16.5	-13.2	-3.6	/ 30	50 / 30	30 / 30	30	30	30
Benzo[b]fluoranthene	2.2 / 6.5	-11.1 / -1.4	-1.7 / -4.2	0.3	4.2	4.4	50 / 30	30 / 30	30 / 30	30	30	30
Benzo[k]fluoranthene	-22.3 / 10.1	-0.5 / 3.6	-2.7 / -0.3	1.3	4.0	6.8	50 / 30	30 / 30	30 / 30	30	30	30
Benzo[a]pyrene	2.2 / 6.2	-9.5 / -1.5	-5.7 / -4.2	2.8	4.1	5.1	50 / 30	30 / 30	30 / 30	30	30	30
Indeno[1,2,3-cd]pyrene	2.1 / 5.9	-9.0 / -1.0	-5.7 / -4.6	1.7	4.4	5.6	50 / 30	30 / 30	30 / 30	30	30	30
Dibenz(a,h)anthracene	3.4 / 7.1	-15.3 / -1.2	-7.5 / -5.5	3.9	8.7	5.4	50 / 30	30 / 30	30 / 30	30	30	30
Benzo[g,h,i]perylene	1.8 / 5.8	-7.8 / -1.1	-4.4 / -4.0	2.1	3.6	3.6	50 / 30	30 / 30	30 / 30	30	30	30
2-Fluorophenol (Surr)	-7.6 / -9.8	16.6 / 2.3	-1.6 / 3.7	-2.0	-1.3	-0.3	50 / 30	30 / 30	30 / 30	30	30	30
Phenol-d5 (Surr)	-17.0 / 17.5	-8.8 / 7.8	-7.2 / 17.8	-6.5	-2.9	-0.8	50 / 30	30 / 30	30 / 30	30	30	30
Nitrobenzene-d5 (Surr)	-10.7 / 6.0	-1.6 / 0.8	-2.5 / 1.7	3.5	1.6	1.1	50 / 30	30 / 30	30 / 30	30	30	30
2-Fluorobiphenyl (Surr)	5.0 / -1.1	7.0 / -6.9	3.2 / -8.3	3.2	-0.8	-1.2	50 / 30	30 / 30	30 / 30	30	30	30
2,4,6-Tribromophenol (Surr)	+++++ / 14.6	-33.5 / 13.6	-10.2 / 10.7	-4.1	-0.7	9.7	/ 30	50 / 30	30 / 30	30	30	30
Terphenyl-d14 (Surr)	12.4 / 3.2	-8.7 / -0.5	-4.7 / -0.8	1.2	-1.7	-0.4	50 / 30	30 / 30	30 / 30	30	30	30

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627002.D
Lims ID: std9 lst1
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 27-Jun-2025 08:00:16 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD9 LST1
Misc. Info.: 240-0156317-002
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:13:19 Calib Date: 27-Jun-2025 12:08:41
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 08:46:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	97	112669	400.0	400.0	
* 2 Naphthalene-d8	136	7.375	7.375	0.000	99	519274	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	92	271463	400.0	400.0	
* 4 Phenanthrene-d10	188	10.110	10.110	0.000	97	411004	400.0	400.0	
* 5 Chrysene-d12	240	12.745	12.745	0.000	98	301956	400.0	400.0	
* 6 Perylene-d12	264	14.887	14.887	0.000	96	303492	400.0	400.0	
$ 7 2-Fluorophenol	112	5.193	5.193	0.000	94	705745	2500.0	2592.3	
$ 8 Phenol-d5	99	5.958	5.958	0.000	0	1297101	2500.0	2944.7	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	91	1368126	2500.0	2542.1	
$ 10 2-Fluorobiphenyl (Surr)	172	8.263	8.263	0.000	100	2031202	2500.0	2291.4	
$ 11 2,4,6-Tribromophenol	330	9.516	9.516	0.000	89	256058	2500.0	2768.0	
$ 12 Terphenyl-d14	244	11.481	11.481	0.000	97	1885088	2500.0	2478.8	
13 1,4-Dioxane	88	3.593	3.593	0.000	99	302704	2500.0	2624.9	
14 N-Nitrosodimethylamine	74	3.899	3.899	0.000	93	700532	2500.0	2710.8	
15 Pyridine	79	3.958	3.958	0.000	90	1684081	5000.0	5928.9	
26 Benzaldehyde	77		5.928				ND	ND	U
27 Phenol	94	5.975	5.975	0.000	99	1283445	2500.0	2802.9	
29 Aniline	93	6.016	6.016	0.000	99	1791982	2500.0	2524.9	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	96	1162090	2500.0	2536.8	
32 2-Chlorophenol	128	6.128	6.128	0.000	97	1045842	2500.0	2671.1	
33 n-Decane	57	6.152	6.152	0.000	90	1200753	2500.0	2378.5	
34 1,3-Dichlorobenzene	146	6.263	6.263	0.000	97	1063128	2500.0	2418.5	
36 1,4-Dichlorobenzene	146	6.316	6.316	0.000	94	1110027	2500.0	2461.4	
37 Benzyl alcohol	108	6.393	6.393	0.000	93	767511	2500.0	2497.6	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	96	1074446	2500.0	2448.7	
40 2-Methylphenol	108	6.475	6.475	0.000	94	1068276	2500.0	2560.9	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	0.000	95	1772917	2500.0	2452.7	
42 Indene	115	6.522	6.522	0.000	90	3369395	5000.0	4582.6	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	93	1112321	2500.0	2547.6	
46 N-Nitrosodi-n-propylamine	70	6.610	6.610	0.000	91	776831	2500.0	2564.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.622	6.622	0.000	97	1547235	2500.0	2533.0	
49 Hexachloroethane	117	6.740	6.740	0.000	94	483918	2500.0	2525.5	
51 Nitrobenzene	77	6.769	6.769	0.000	89	1224125	2500.0	2476.0	
53 Isophorone	82	6.963	6.963	0.000	99	2265843	2500.0	2386.4	
55 2-Nitrophenol	139	7.040	7.040	0.000	95	617349	2500.0	2727.8	
54 2,4-Dimethylphenol	107	7.052	7.052	0.000	95	1111237	2500.0	2480.8	
58 Bis(2-chloroethoxy)methane	93	7.122	7.122	0.000	98	1327511	2500.0	2253.2	
57 Benzoic acid	122	7.128	7.128	0.000	91	1426474	5000.0	5182.2	M
61 2,4-Dichlorophenol	162	7.240	7.240	0.000	95	879543	2500.0	2726.6	
63 1,2,4-Trichlorobenzene	180	7.322	7.322	0.000	94	878047	2500.0	2405.1	
64 Naphthalene	128	7.393	7.393	0.000	97	3179341	2500.0	2275.6	
65 4-Chloroaniline	127	7.410	7.410	0.000	95	1289919	2500.0	2399.5	
66 2,6-Dichlorophenol	162	7.428	7.428	0.000	97	861098	2500.0	2515.3	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	97	452118	2500.0	2347.3	
72 Caprolactam	113	7.705	7.705	0.000	78	773910	5000.0	5132.8	M
73 4-Chloro-3-methylphenol	107	7.805	7.805	0.000	97	982264	2500.0	2472.9	
76 2-Methylnaphthalene	142	7.969	7.969	0.000	93	1865600	2500.0	2280.2	
79 1-Methylnaphthalene	142	8.057	8.057	0.000	94	1935528	2500.0	2246.8	
82 Hexachlorocyclopentadiene	237	8.110	8.110	0.000	97	511282	2500.0	2583.6	
83 1,2,4,5-Tetrachlorobenzene	216	8.116	8.116	0.000	98	730960	2500.0	2447.8	
85 2,4,6-Trichlorophenol	196	8.199	8.199	0.000	94	576560	2500.0	2612.3	
86 2,4,5-Trichlorophenol	196	8.228	8.228	0.000	92	618373	2500.0	2606.9	
88 1,1'-Biphenyl	154	8.352	8.352	0.000	95	2342208	2500.0	2320.9	
89 2-Chloronaphthalene	162	8.381	8.381	0.000	97	1811733	2500.0	2353.3	
91 2-Nitroaniline	65	8.446	8.446	0.000	84	680190	2500.0	2747.4	
94 Dimethyl phthalate	163	8.581	8.581	0.000	98	2008964	2500.0	2388.9	
95 1,3-Dinitrobenzene	168	8.610	8.610	0.000	83	377467	2500.0	2510.4	
96 2,6-Dinitrotoluene	165	8.634	8.634	0.000	93	495416	2500.0	2665.5	
97 Acenaphthylene	152	8.734	8.734	0.000	98	2988156	2500.0	2430.3	
98 3-Nitroaniline	138	8.787	8.787	0.000	94	529879	2500.0	2467.0	
99 2,4-Dinitrophenol	184	8.875	8.875	0.000	81	581046	5000.0	4944.1	
100 Acenaphthene	153	8.881	8.881	0.000	94	1745610	2500.0	2221.8	
101 4-Nitrophenol	109	8.904	8.904	0.000	92	683104	5000.0	4945.2	
102 2,4-Dinitrotoluene	165	8.981	8.981	0.000	91	671846	2500.0	2452.1	
104 Dibenzofuran	168	9.022	9.022	0.000	96	2499025	2500.0	2319.6	
108 2,3,4,6-Tetrachlorophenol	232	9.122	9.122	0.000	78	438570	2500.0	2631.2	
111 Diethyl phthalate	149	9.169	9.169	0.000	98	1919570	2500.0	2242.2	
110 Hexadecane	57	9.175	9.175	0.000	92	1383575	NC	NC	a
114 4-Chlorophenyl phenyl ether	204	9.293	9.293	0.000	95	879575	2500.0	2356.1	
115 4-Nitroaniline	138	9.304	9.304	0.000	84	486626	2500.0	2386.9	
116 Fluorene	166	9.316	9.316	0.000	95	2009177	2500.0	2312.9	
117 4,6-Dinitro-2-methylphenol	198	9.334	9.334	0.000	80	727052	5000.0	4900.3	
119 Diphenylamine	169	9.387	9.387	0.000	95	1470603	2125.0	2031.7	
118 N-Nitrosodiphenylamine	169	9.387	9.387	0.000	62	1470603	2500.0	2390.2	
120 Azobenzene	77	9.428	9.428	0.000	99	2371721	2500.0	2385.4	
128 4-Bromophenyl phenyl ether	248	9.704	9.704	0.000	71	471811	2500.0	2491.0	
131 Hexachlorobenzene	284	9.793	9.793	0.000	92	486843	2500.0	2457.7	
130 Atrazine	200	9.810	9.810	0.000	90	889615	5000.0	4740.6	
133 n-Octadecane	57	9.940	9.940	0.000	94	1175802	2500.0	1933.6	
135 Pentachlorophenol	266	9.946	9.946	0.000	91	643628	5000.0	4896.2	
139 Phenanthrene	178	10.128	10.128	0.000	98	2727509	2500.0	2294.3	
140 Anthracene	178	10.175	10.175	0.000	97	2821540	2500.0	2438.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.287	10.287	0.000	96	2757494	2500.0	2422.1	
144 Di-n-butyl phthalate	149	10.534	10.534	0.000	100	3328363	2500.0	2544.6	
149 Fluoranthene	202	11.151	11.151	0.000	98	2715115	2500.0	2453.3	
150 Benzidine	184	11.240	11.240	0.000	99	2750498	5000.0	4941.6	
151 Pyrene	202	11.375	11.375	0.000	97	2875028	2500.0	2481.7	
157 Butyl benzyl phthalate	149	11.963	11.963	0.000	97	1533034	2500.0	2583.7	
162 Bis(2-ethylhexyl) phthalate	149	12.657	12.657	0.000	97	1802550	2500.0	2430.0	
163 3,3'-Dichlorobenzidine	252	12.657	12.657	0.000	76	1625308	5000.0	4849.7	
164 Benzo[a]anthracene	228	12.728	12.728	0.000	99	2577775	2500.0	2631.1	
165 Chrysene	228	12.781	12.781	0.000	98	2446370	2500.0	2522.6	
167 Di-n-octyl phthalate	149	13.581	13.581	0.000	99	3554111	2500.0	2566.3	
169 Benzo[b]fluoranthene	252	14.292	14.292	0.000	98	2440196	2500.0	2395.3	
170 Benzo[k]fluoranthene	252	14.334	14.334	0.000	98	2522298	2500.0	2492.1	
171 Benzo[a]pyrene	252	14.810	14.810	0.000	79	2364279	2500.0	2395.0	
175 Indeno[1,2,3-cd]pyrene	276	16.628	16.628	0.000	95	2721429	2500.0	2384.7	
176 Dibenz(a,h)anthracene	278	16.645	16.645	0.000	91	2189007	2500.0	2362.3	
177 Benzo[g,h,i]perylene	276	17.122	17.122	0.000	97	2292769	2500.0	2401.0	

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- ND - Not Detected or Marked ND

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

Reagents:

SMLIST1 L9 W_00025 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 13:13:19 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627002.D

Injection Date: 27-Jun-2025 08:00:16 Instrument ID: A4AG3 Operator ID:

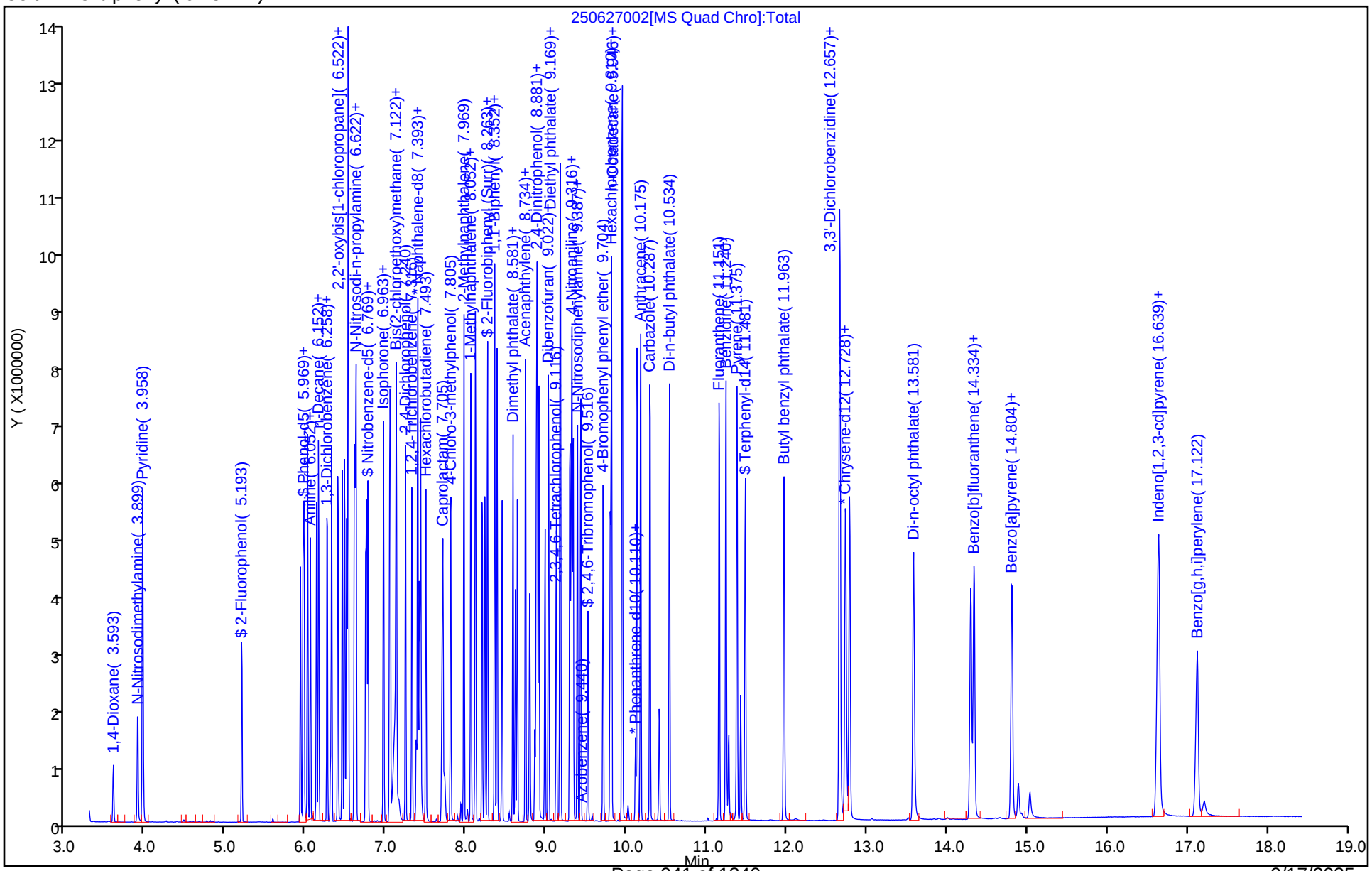
Lims ID: std9 lst1 Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

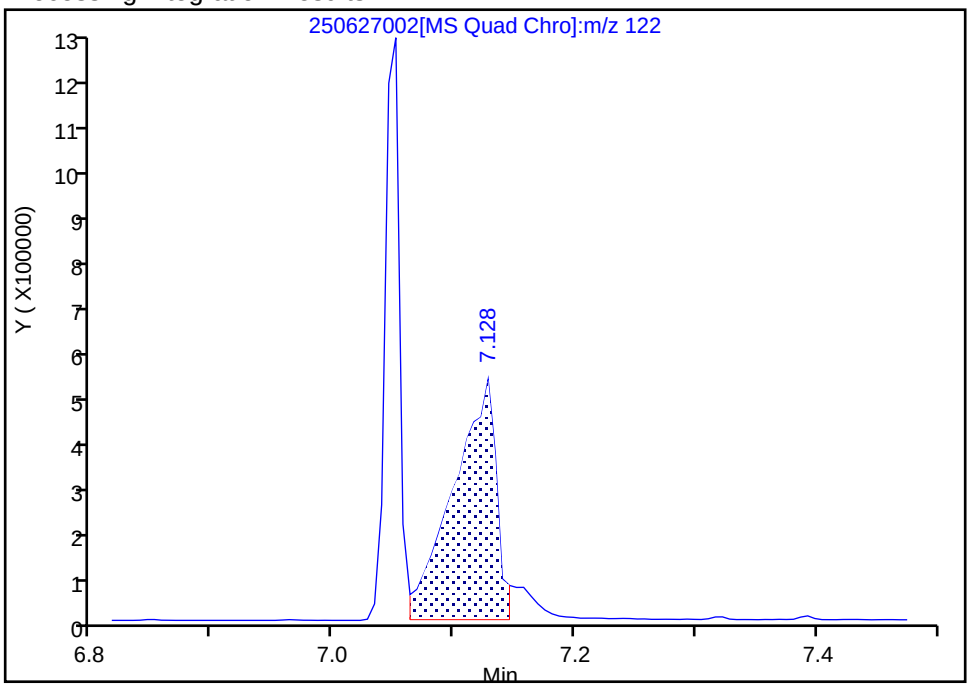
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Injection Date:	27-Jun-2025 08:00:16	Instrument ID:	A4AG3		
Lims ID:	std9 lst1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

57 Benzoic acid, CAS: 65-85-0

Signal: 1

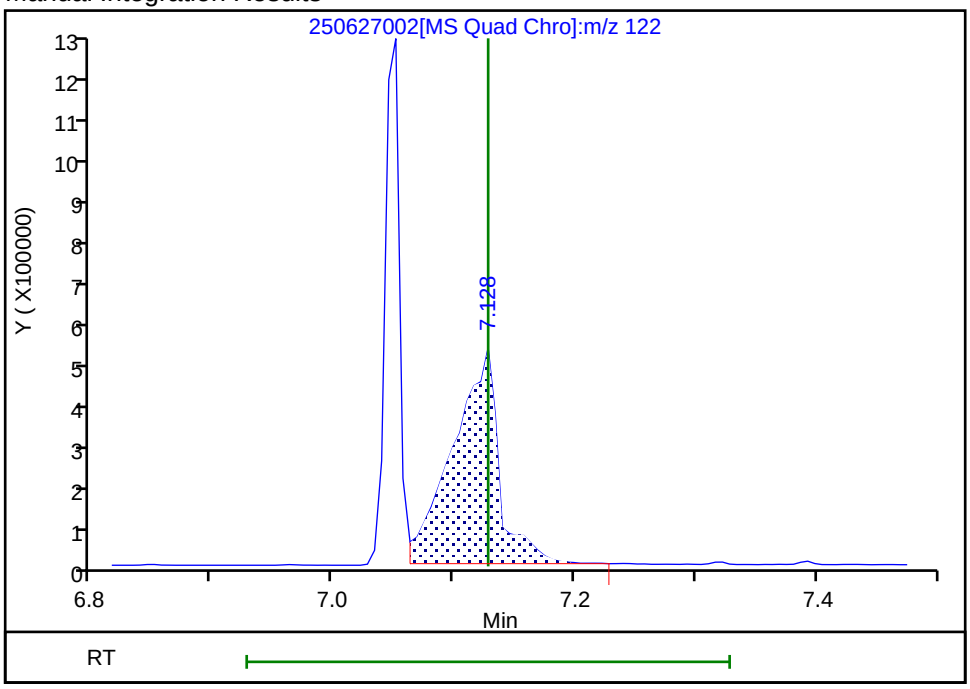
Processing Integration Results

RT: 7.13
Area: 1320846
Amount: 5000.0000
Amount Units: ng/ml



Manual Integration Results

RT: 7.13
Area: 1426474
Amount: 5182.2158
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 08:44:19 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

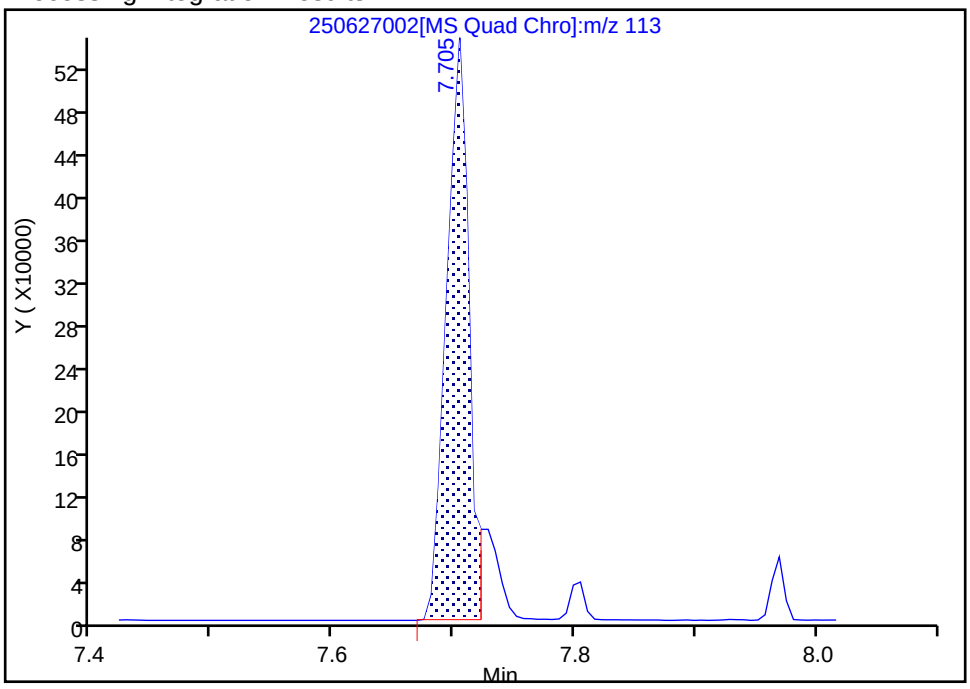
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Injection Date: 27-Jun-2025 08:00:16 Instrument ID: A4AG3
Lims ID: std9 lst1
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Column: 5% phenyl (0.18 mm) Detector MS SCAN

72 Caprolactam, CAS: 105-60-2

Signal: 1

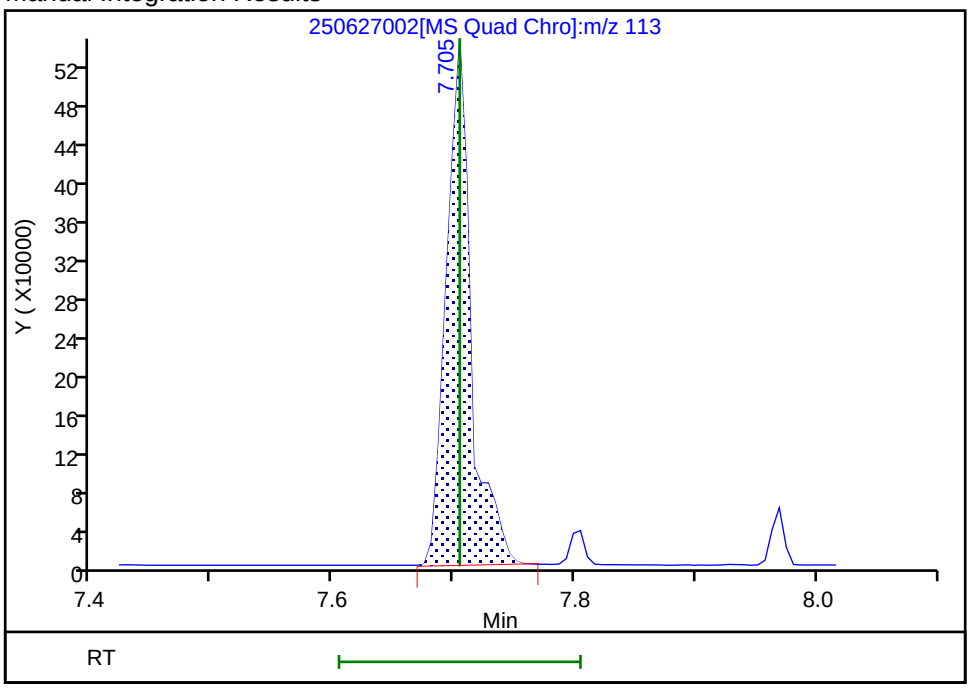
Processing Integration Results

RT: 7.70
Area: 704754
Amount: 5000.0000
Amount Units: ng/ml



Manual Integration Results

RT: 7.70
Area: 773910
Amount: 5132.7953
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 08:44:39 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

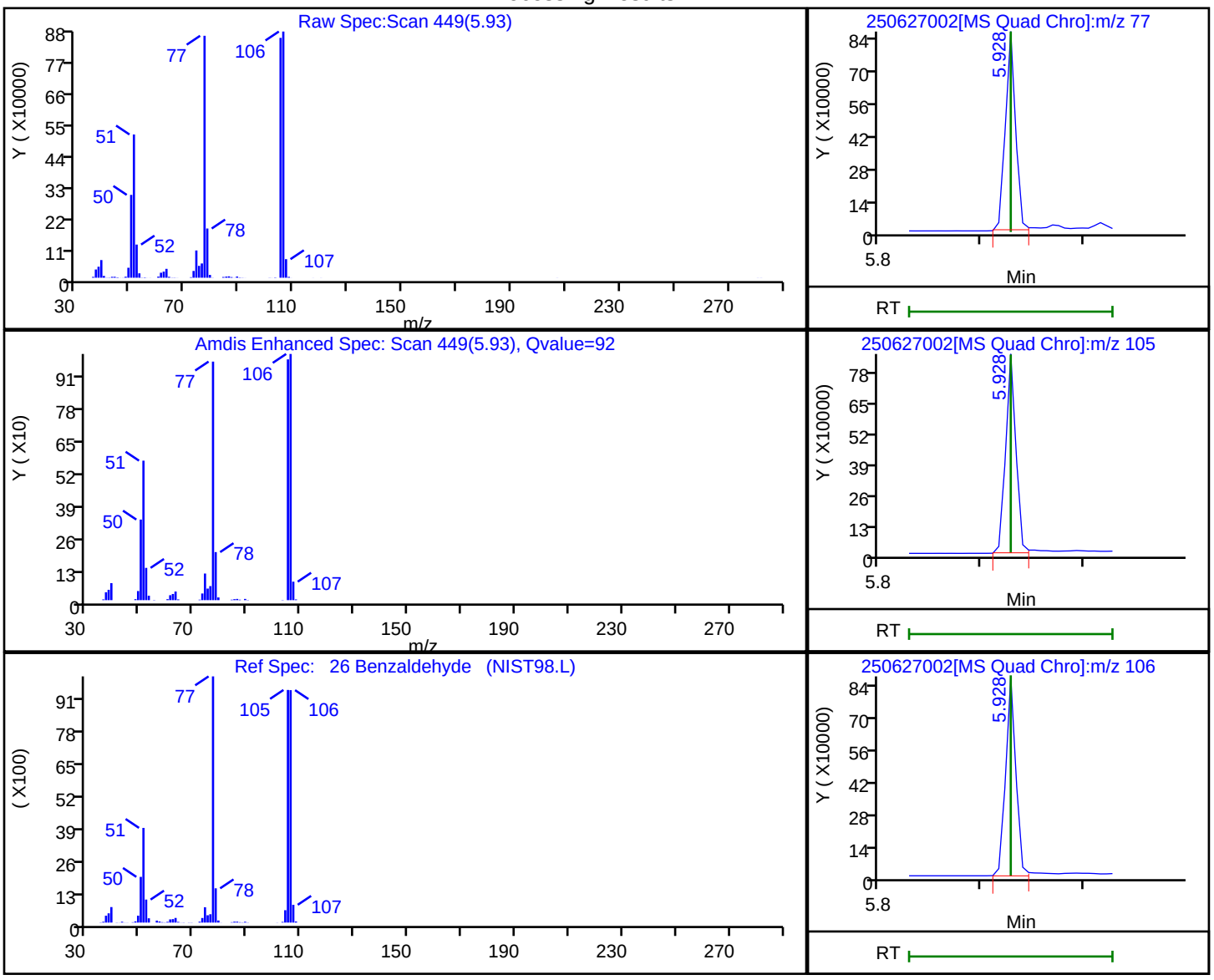
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627002.D				
Injection Date:	27-Jun-2025 08:00:16	Instrument ID:	A4AG3		
Lims ID:	std9 lst1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

26 Benzaldehyde, CAS: 100-52-7

Processing Results



RT	Mass	Response	Amount
5.93	77.00	603743	4459.8613
5.93	105.00	600091	
5.93	106.00	610879	

Reviewer: KDZ4, 27-Jun-2025 12:52:18 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627003.D
Lims ID: std8 lst1
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 27-Jun-2025 08:22:46 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD8 LST1
Misc. Info.: 240-0156317-003
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:13:23 Calib Date: 27-Jun-2025 12:08:41
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 08:57:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	96	113928	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.375	-0.006	100	503527	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	91	263631	400.0	400.0	
* 4 Phenanthrene-d10	188	10.105	10.110	-0.005	98	400933	400.0	400.0	
* 5 Chrysene-d12	240	12.740	12.745	-0.005	98	307822	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.887	-0.011	96	296892	400.0	400.0	
$ 7 2-Fluorophenol	112	5.199	5.193	0.006	93	563110	2000.0	2045.5	
$ 8 Phenol-d5	99	5.958	5.958	0.000	0	960524	2000.0	2156.5	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	91	1051899	2000.0	2015.6	
$ 10 2-Fluorobiphenyl (Surr)	172	8.258	8.263	-0.005	100	1602484	2000.0	1861.4	
$ 11 2,4,6-Tribromophenol	330	9.510	9.516	-0.006	88	204038	2000.0	2271.2	
$ 12 Terphenyl-d14	244	11.475	11.481	-0.006	97	1543774	2000.0	1990.5	
13 1,4-Dioxane	88	3.599	3.593	0.006	99	199131	2000.0	1707.7	
14 N-Nitrosodimethylamine	74	3.905	3.899	0.006	93	512755	2000.0	1962.3	
15 Pyridine	79	3.964	3.958	0.006	90	1152509	4000.0	4012.6	
26 Benzaldehyde	77	5.928	5.928	0.000	93	606730	4000.0	3913.3	
27 Phenol	94	5.969	5.975	-0.006	99	966014	2000.0	2086.3	
29 Aniline	93	6.017	6.016	0.001	98	1351469	2000.0	1888.8	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	97	902146	2000.0	1947.6	
32 2-Chlorophenol	128	6.128	6.128	0.000	97	809141	2000.0	2043.8	
33 n-Decane	57	6.152	6.152	0.000	90	925332	2000.0	1812.6	
34 1,3-Dichlorobenzene	146	6.264	6.263	0.001	98	839332	2000.0	1888.3	
36 1,4-Dichlorobenzene	146	6.317	6.316	0.000	95	862367	2000.0	1891.1	
37 Benzyl alcohol	108	6.393	6.393	0.000	93	590635	2000.0	1907.4	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	96	856565	2000.0	1930.6	
40 2-Methylphenol	108	6.475	6.475	0.000	94	802316	2000.0	1907.3	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	0.000	95	1390506	2000.0	1902.4	
42 Indene	115	6.522	6.522	0.000	90	2713475	4000.0	3649.7	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	93	844293	2000.0	1918.2	
46 N-Nitrosodi-n-propylamine	70	6.611	6.610	0.001	92	603818	2000.0	1971.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.622	6.622	0.000	97	1208444	2000.0	1956.5	
49 Hexachloroethane	117	6.740	6.740	0.000	93	373892	2000.0	1929.7	
51 Nitrobenzene	77	6.769	6.769	0.000	89	944277	2000.0	1969.7	
53 Isophorone	82	6.964	6.963	0.001	99	1751955	2000.0	1902.9	
55 2-Nitrophenol	139	7.040	7.040	0.000	94	469485	2000.0	2139.3	
54 2,4-Dimethylphenol	107	7.046	7.052	-0.006	96	869811	2000.0	2002.5	
58 Bis(2-chloroethoxy)methane	93	7.122	7.122	0.000	98	1046659	2000.0	1832.1	
57 Benzoic acid	122	7.116	7.128	-0.012	88	1049189	4000.0	3964.4	M
61 2,4-Dichlorophenol	162	7.240	7.240	0.000	95	677448	2000.0	2165.8	
63 1,2,4-Trichlorobenzene	180	7.316	7.322	-0.006	94	674893	2000.0	1906.4	
64 Naphthalene	128	7.387	7.393	-0.006	98	2521510	2000.0	1861.2	
65 4-Chloroaniline	127	7.411	7.410	0.001	96	1013800	2000.0	1951.1	
66 2,6-Dichlorophenol	162	7.428	7.428	0.000	97	679874	2000.0	2048.0	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	98	353267	2000.0	1891.5	
72 Caprolactam	113	7.699	7.705	-0.006	79	597259	4000.0	4085.1	
73 4-Chloro-3-methylphenol	107	7.799	7.805	-0.006	97	746247	2000.0	1937.5	
76 2-Methylnaphthalene	142	7.963	7.969	-0.006	94	1478453	2000.0	1863.5	
79 1-Methylnaphthalene	142	8.052	8.057	-0.005	94	1506336	2000.0	1803.2	
82 Hexachlorocyclopentadiene	237	8.105	8.110	-0.005	96	400778	2000.0	2085.4	
83 1,2,4,5-Tetrachlorobenzene	216	8.111	8.116	-0.005	97	576656	2000.0	1988.4	
85 2,4,6-Trichlorophenol	196	8.193	8.199	-0.006	94	447428	2000.0	2087.5	
86 2,4,5-Trichlorophenol	196	8.228	8.228	0.000	93	478470	2000.0	2077.1	
88 1,1'-Biphenyl	154	8.352	8.352	0.000	95	1858259	2000.0	1896.1	
89 2-Chloronaphthalene	162	8.381	8.381	0.000	97	1446067	2000.0	1934.1	
91 2-Nitroaniline	65	8.440	8.446	-0.006	84	537989	2000.0	2237.6	
94 Dimethyl phthalate	163	8.575	8.581	-0.006	98	1598888	2000.0	1957.7	
95 1,3-Dinitrobenzene	168	8.610	8.610	0.000	84	290533	2000.0	1996.8	
96 2,6-Dinitrotoluene	165	8.634	8.634	0.000	94	385596	2000.0	2136.3	
97 Acenaphthylene	152	8.734	8.734	0.000	98	2348827	2000.0	1967.1	
98 3-Nitroaniline	138	8.787	8.787	0.000	95	424724	2000.0	2042.2	
99 2,4-Dinitrophenol	184	8.869	8.875	-0.006	85	463540	4000.0	4080.4	
100 Acenaphthene	153	8.881	8.881	0.000	94	1398793	2000.0	1833.3	
101 4-Nitrophenol	109	8.899	8.904	-0.005	92	528756	4000.0	3950.2	
102 2,4-Dinitrotoluene	165	8.975	8.981	-0.006	91	530919	2000.0	1999.4	
104 Dibenzofuran	168	9.022	9.022	0.000	96	1991744	2000.0	1903.7	
108 2,3,4,6-Tetrachlorophenol	232	9.116	9.122	-0.006	79	346369	2000.0	2139.7	
111 Diethyl phthalate	149	9.163	9.169	-0.006	98	1584750	2000.0	1906.1	
110 Hexadecane	57	9.169	9.175	-0.006	89	1169930	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.287	9.293	-0.006	97	691564	2000.0	1907.5	
115 4-Nitroaniline	138	9.299	9.304	-0.005	86	404315	2000.0	2042.1	
116 Fluorene	166	9.310	9.316	-0.006	95	1623167	2000.0	1924.0	
117 4,6-Dinitro-2-methylphenol	198	9.328	9.334	-0.006	79	589672	4000.0	4086.6	
119 Diphenylamine	169	9.381	9.387	-0.006	95	1208655	1700.0	1711.8	
118 N-Nitrosodiphenylamine	169	9.381	9.387	-0.006	62	1208655	2000.0	2013.8	
120 Azobenzene	77	9.422	9.428	-0.006	99	1916955	2000.0	1976.4	
128 4-Bromophenyl phenyl ether	248	9.705	9.704	0.001	71	369968	2000.0	2002.4	
131 Hexachlorobenzene	284	9.793	9.793	0.000	93	389969	2000.0	2018.1	
130 Atrazine	200	9.805	9.810	-0.005	91	739746	4000.0	4041.0	
133 n-Octadecane	57	9.940	9.940	0.000	93	1008558	2000.0	1700.2	
135 Pentachlorophenol	266	9.940	9.946	-0.006	91	521745	4000.0	4079.8	
139 Phenanthrene	178	10.128	10.128	0.000	98	2178580	2000.0	1878.6	
140 Anthracene	178	10.169	10.175	-0.006	98	2270589	2000.0	2011.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.287	10.287	0.000	96	2217012	2000.0	1996.3	
144 Di-n-butyl phthalate	149	10.528	10.534	-0.006	100	2639661	2000.0	2068.8	
149 Fluoranthene	202	11.152	11.151	0.001	98	2199883	2000.0	2037.7	
150 Benzidine	184	11.234	11.240	-0.006	99	2301694	4000.0	4077.2	
151 Pyrene	202	11.369	11.375	-0.006	97	2288372	2000.0	1937.7	
157 Butyl benzyl phthalate	149	11.957	11.963	-0.006	98	1187656	2000.0	1969.6	
163 3,3'-Dichlorobenzidine	252	12.651	12.657	-0.006	75	1331008	4000.0	3904.8	
162 Bis(2-ethylhexyl) phthalate	149	12.651	12.657	-0.006	97	1478218	2000.0	1958.5	
164 Benzo[a]anthracene	228	12.722	12.728	-0.006	99	2033033	2000.0	2035.6	
165 Chrysene	228	12.775	12.781	-0.006	98	1962784	2000.0	1985.4	
167 Di-n-octyl phthalate	149	13.569	13.581	-0.012	99	2713234	2000.0	2013.0	
169 Benzo[b]fluoranthene	252	14.281	14.292	-0.011	98	1891992	2000.0	1971.2	
170 Benzo[k]fluoranthene	252	14.322	14.334	-0.012	99	2051687	2000.0	2072.2	
171 Benzo[a]pyrene	252	14.793	14.810	-0.017	79	1832497	2000.0	1969.1	
175 Indeno[1,2,3-cd]pyrene	276	16.610	16.628	-0.018	95	2134697	2000.0	1979.2	
176 Dibenz(a,h)anthracene	278	16.628	16.645	-0.017	91	1724576	2000.0	1975.7	
177 Benzo[g,h,i]perylene	276	17.098	17.122	-0.024	95	1795424	2000.0	1978.5	
S 202 Methyl Phenols,Total	100				0			3825.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SMLIST1 L8 W_00025 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 13:13:23 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627003.D

Injection Date: 27-Jun-2025 08:22:46 Instrument ID: A4AG3 Operator ID:

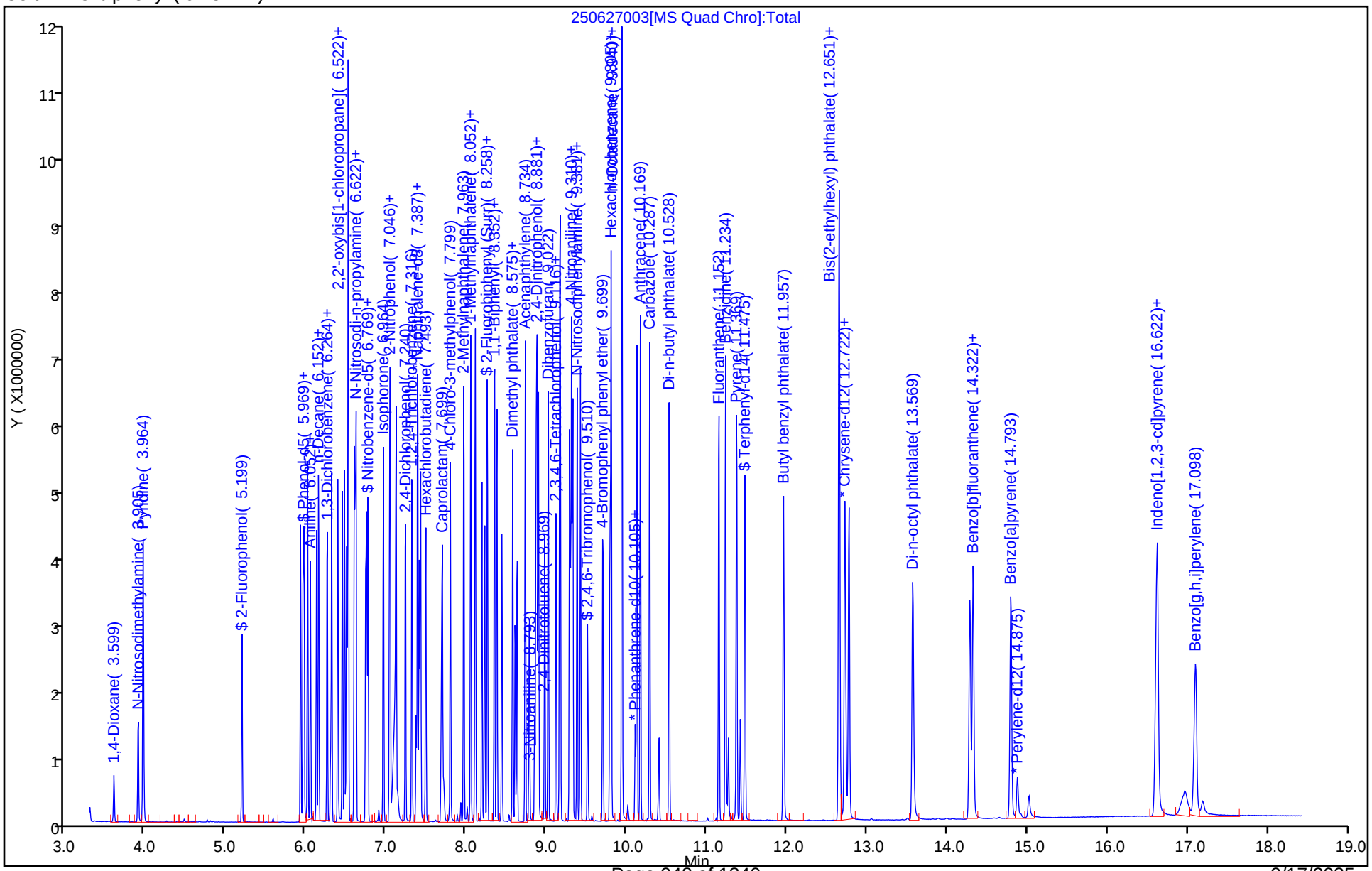
Lims ID: std8 lst1 Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

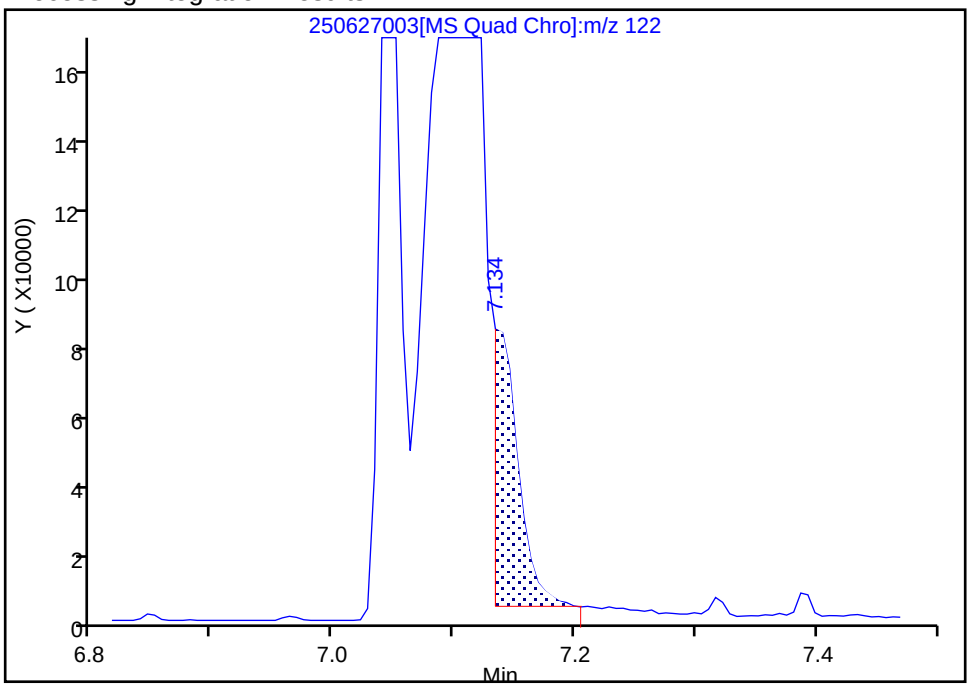
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Injection Date: 27-Jun-2025 08:22:46 Instrument ID: A4AG3
Lims ID: std8 lst1
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Column: 5% phenyl (0.18 mm) Detector MS SCAN

57 Benzoic acid, CAS: 65-85-0

Signal: 1

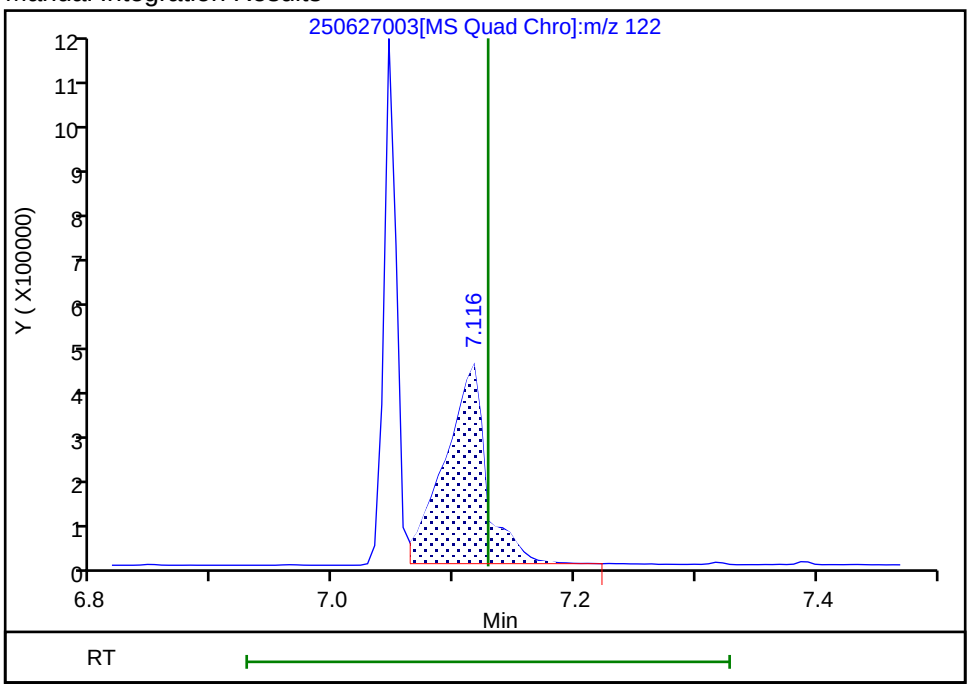
Processing Integration Results

RT: 7.13
Area: 113719
Amount: 745.5200
Amount Units: ng/ml



Manual Integration Results

RT: 7.12
Area: 1049189
Amount: 3964.4208
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 08:47:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627004.D
Lims ID: std7 lst1
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Jun-2025 08:45:17 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD7 LST1
Misc. Info.: 240-0156317-004
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:13:33 Calib Date: 27-Jun-2025 12:08:41
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 09:26:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	95	98733	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.375	-0.006	100	470228	400.0	400.0	
* 3 Acenaphthene-d10	164	8.851	8.852	-0.001	91	252673	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.110	-0.006	97	383906	400.0	400.0	
* 5 Chrysene-d12	240	12.740	12.745	-0.005	98	296514	400.0	400.0	
* 6 Perylene-d12	264	14.881	14.887	-0.005	96	278209	400.0	400.0	
$ 7 2-Fluorophenol	112	5.199	5.193	0.006	92	322903	1500.0	1353.5	
$ 8 Phenol-d5	99	5.958	5.958	0.000	0	680385	1500.0	1762.7	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	90	775182	1500.0	1590.6	
$ 10 2-Fluorobiphenyl (Surr)	172	8.257	8.263	-0.006	100	1223872	1500.0	1483.3	
$ 11 2,4,6-Tribromophenol	330	9.516	9.516	0.000	92	148042	1500.0	1719.4	
$ 12 Terphenyl-d14	244	11.475	11.481	-0.006	97	1157601	1500.0	1548.5	
13 1,4-Dioxane	88	3.593	3.593	0.000	99	179445	1500.0	1775.7	
14 N-Nitrosodimethylamine	74	3.899	3.899	0.000	93	357560	1500.0	1578.9	
15 Pyridine	79	3.958	3.958	0.000	90	849799	3000.0	3414.0	
26 Benzaldehyde	77	5.928	5.928	0.000	93	459611	3000.0	3208.8	
27 Phenol	94	5.969	5.975	-0.006	99	702333	1500.0	1750.3	
29 Aniline	93	6.016	6.016	0.000	98	1019373	1500.0	1646.8	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	96	659775	1500.0	1643.6	
32 2-Chlorophenol	128	6.128	6.128	0.000	97	561789	1500.0	1637.4	
33 n-Decane	57	6.152	6.152	0.000	91	701977	1500.0	1586.7	
34 1,3-Dichlorobenzene	146	6.263	6.263	0.000	98	583860	1500.0	1515.7	
36 1,4-Dichlorobenzene	146	6.316	6.316	0.000	93	589061	1500.0	1490.6	
37 Benzyl alcohol	108	6.393	6.393	0.000	94	438912	1500.0	1639.5	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	97	585385	1500.0	1522.4	
40 2-Methylphenol	108	6.475	6.475	0.000	93	593464	1500.0	1630.9	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	0.000	95	1050662	1500.0	1658.7	
42 Indene	115	6.522	6.522	0.000	92	1989644	3000.0	3088.0	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	93	618644	1500.0	1625.4	
46 N-Nitrosodi-n-propylamine	70	6.610	6.610	0.000	90	458239	1500.0	1726.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.622	6.622	0.000	97	891940	1500.0	1666.3	
49 Hexachloroethane	117	6.740	6.740	0.000	93	254781	1500.0	1517.3	
51 Nitrobenzene	77	6.769	6.769	0.000	89	706240	1500.0	1577.5	
53 Isophorone	82	6.963	6.963	0.000	99	1314015	1500.0	1528.3	
55 2-Nitrophenol	139	7.040	7.040	0.000	94	350920	1500.0	1712.3	
54 2,4-Dimethylphenol	107	7.046	7.052	-0.006	95	651599	1500.0	1606.4	
58 Bis(2-chloroethoxy)methane	93	7.122	7.122	0.000	98	809175	1500.0	1516.7	
57 Benzoic acid	122	7.110	7.128	-0.018	87	734377	3000.0	3006.3	
61 2,4-Dichlorophenol	162	7.240	7.240	0.000	96	498034	1500.0	1704.9	
63 1,2,4-Trichlorobenzene	180	7.316	7.322	-0.006	95	505625	1500.0	1529.4	
64 Naphthalene	128	7.393	7.393	0.000	97	1904342	1500.0	1505.2	
65 4-Chloroaniline	127	7.410	7.410	0.000	97	763627	1500.0	1580.0	
66 2,6-Dichlorophenol	162	7.428	7.428	0.000	97	506384	1500.0	1633.4	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	97	261885	1500.0	1501.5	
72 Caprolactam	113	7.693	7.705	-0.012	79	442719	3000.0	3242.5	
73 4-Chloro-3-methylphenol	107	7.799	7.805	-0.006	97	553601	1500.0	1539.1	
76 2-Methylnaphthalene	142	7.969	7.969	0.000	93	1111587	1500.0	1500.3	
79 1-Methylnaphthalene	142	8.052	8.057	-0.005	94	1156324	1500.0	1482.3	
82 Hexachlorocyclopentadiene	237	8.110	8.110	0.000	96	304777	1500.0	1654.6	
83 1,2,4,5-Tetrachlorobenzene	216	8.110	8.116	-0.006	98	440537	1500.0	1584.9	
85 2,4,6-Trichlorophenol	196	8.193	8.199	-0.006	94	337674	1500.0	1643.7	
86 2,4,5-Trichlorophenol	196	8.228	8.228	0.000	93	352800	1500.0	1597.9	
88 1,1'-Biphenyl	154	8.352	8.352	0.000	95	1383657	1500.0	1473.0	
89 2-Chloronaphthalene	162	8.381	8.381	0.000	97	1089449	1500.0	1520.3	
91 2-Nitroaniline	65	8.440	8.446	-0.006	85	393235	1500.0	1706.5	
94 Dimethyl phthalate	163	8.575	8.581	-0.006	98	1208656	1500.0	1544.1	
95 1,3-Dinitrobenzene	168	8.610	8.610	0.000	84	214617	1500.0	1546.9	
96 2,6-Dinitrotoluene	165	8.634	8.634	0.000	95	291218	1500.0	1683.4	
97 Acenaphthylene	152	8.734	8.734	0.000	98	1756962	1500.0	1535.2	
98 3-Nitroaniline	138	8.787	8.787	0.000	96	306902	1500.0	1548.2	
99 2,4-Dinitrophenol	184	8.869	8.875	-0.006	81	336552	3000.0	3116.8	
100 Acenaphthene	153	8.881	8.881	0.000	94	1068033	1500.0	1460.5	
101 4-Nitrophenol	109	8.899	8.904	-0.005	91	384776	3000.0	3009.5	
102 2,4-Dinitrotoluene	165	8.975	8.981	-0.006	91	392408	1500.0	1547.0	
104 Dibenzofuran	168	9.022	9.022	0.000	96	1487957	1500.0	1483.8	
108 2,3,4,6-Tetrachlorophenol	232	9.116	9.122	-0.006	79	261228	1500.0	1683.8	
111 Diethyl phthalate	149	9.163	9.169	-0.006	97	1181199	1500.0	1482.3	
110 Hexadecane	57	9.169	9.175	-0.006	91	880582	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.287	9.293	-0.006	98	520288	1500.0	1497.4	
115 4-Nitroaniline	138	9.299	9.304	-0.006	86	298567	1500.0	1573.4	
116 Fluorene	166	9.310	9.316	-0.006	95	1197135	1500.0	1480.6	
117 4,6-Dinitro-2-methylphenol	198	9.328	9.334	-0.006	80	426830	3000.0	3107.3	
119 Diphenylamine	169	9.381	9.387	-0.006	95	900375	1275.0	1331.7	
118 N-Nitrosodiphenylamine	169	9.381	9.387	-0.006	62	900375	1500.0	1566.7	
120 Azobenzene	77	9.422	9.428	-0.006	99	1427038	1500.0	1536.6	
128 4-Bromophenyl phenyl ether	248	9.704	9.704	0.000	72	275353	1500.0	1556.4	
131 Hexachlorobenzene	284	9.793	9.793	0.000	93	282469	1500.0	1526.6	
130 Atrazine	200	9.804	9.810	-0.006	89	556410	3000.0	3174.3	
133 n-Octadecane	57	9.940	9.940	0.000	94	790094	1500.0	1391.0	
135 Pentachlorophenol	266	9.940	9.946	-0.006	90	373096	3000.0	3063.5	
139 Phenanthrene	178	10.128	10.128	0.000	98	1641035	1500.0	1477.8	
140 Anthracene	178	10.169	10.175	-0.006	98	1703242	1500.0	1575.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.287	10.287	0.000	96	1652982	1500.0	1554.4	
144 Di-n-butyl phthalate	149	10.528	10.534	-0.006	100	1960455	1500.0	1604.6	
149 Fluoranthene	202	11.151	11.151	0.000	98	1651412	1500.0	1597.5	
150 Benzidine	184	11.234	11.240	-0.006	99	1722708	3000.0	3193.8	
151 Pyrene	202	11.369	11.375	-0.006	97	1712716	1500.0	1505.6	
157 Butyl benzyl phthalate	149	11.957	11.963	-0.006	98	884095	1500.0	1527.8	
162 Bis(2-ethylhexyl) phthalate	149	12.651	12.657	-0.006	98	1141424	1500.0	1573.6	
163 3,3'-Dichlorobenzidine	252	12.651	12.657	-0.006	76	1033309	3000.0	3155.9	
164 Benzo[a]anthracene	228	12.728	12.728	0.000	99	1507379	1500.0	1566.8	
165 Chrysene	228	12.775	12.781	-0.006	98	1473521	1500.0	1547.3	
167 Di-n-octyl phthalate	149	13.569	13.581	-0.012	99	1936680	1500.0	1544.5	
169 Benzo[b]fluoranthene	252	14.286	14.292	-0.006	98	1388614	1500.0	1597.9	
170 Benzo[k]fluoranthene	252	14.322	14.334	-0.012	99	1531825	1500.0	1651.1	
171 Benzo[a]pyrene	252	14.798	14.810	-0.012	80	1342511	1500.0	1592.7	
175 Indeno[1,2,3-cd]pyrene	276	16.610	16.628	-0.018	98	1551741	1500.0	1589.2	
176 Dibenz(a,h)anthracene	278	16.622	16.645	-0.023	91	1265074	1500.0	1606.0	
177 Benzo[g,h,i]perylene	276	17.098	17.122	-0.024	95	1312773	1500.0	1587.3	
S 202 Methyl Phenols,Total	100				0			3256.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLIST1 L7 W_00025 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 13:13:33 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627004.D

Injection Date: 27-Jun-2025 08:45:17 Instrument ID: A4AG3 Operator ID:

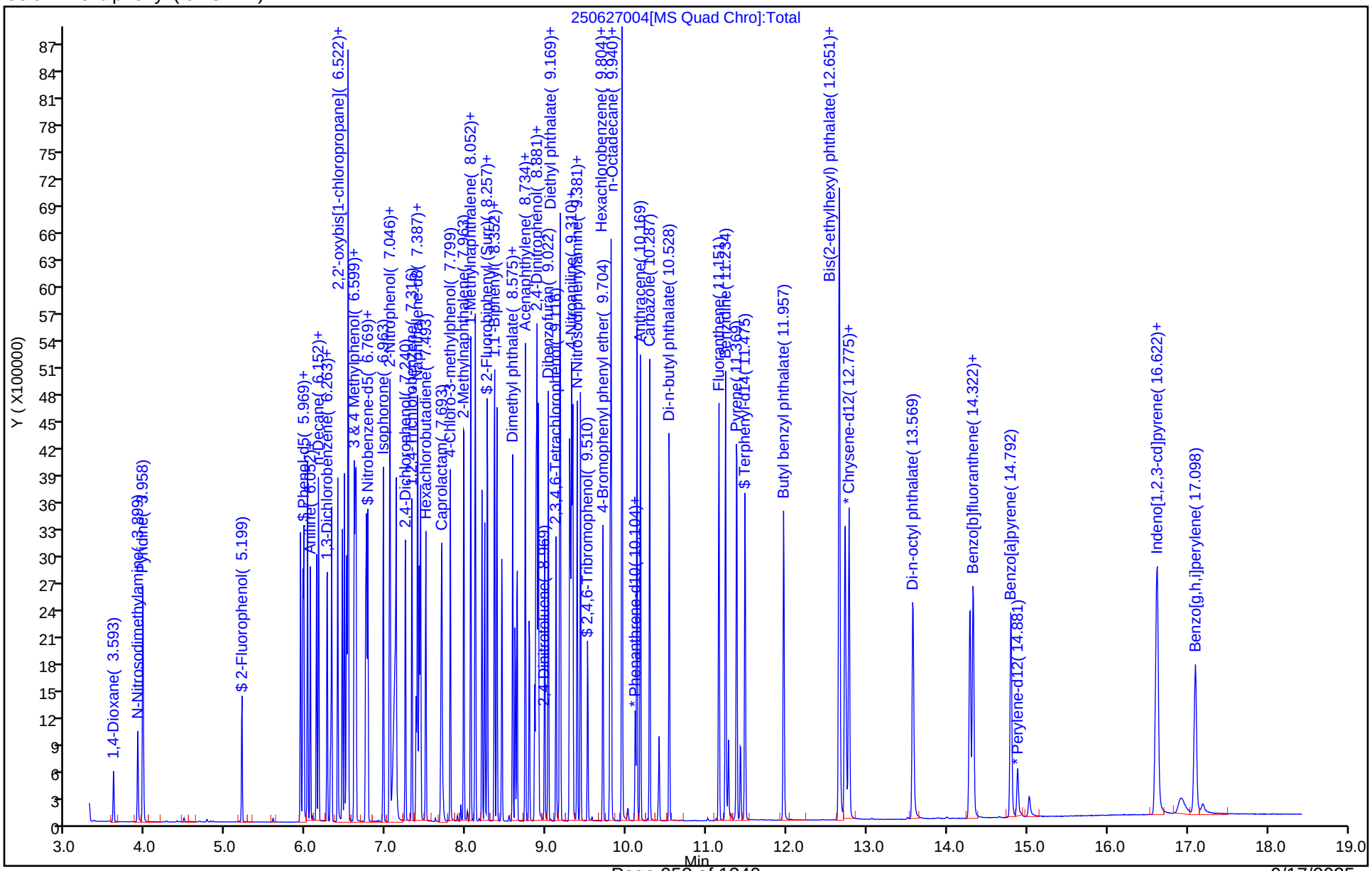
Lims ID: std7 lst1 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627005.D
Lims ID: std6 lst1
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 27-Jun-2025 09:07:50 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD6 LST1
Misc. Info.: 240-0156317-005
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:13:44 Calib Date: 27-Jun-2025 12:08:41
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 09:50:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	96	108934	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	491460	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	91	263793	400.0	400.0	
* 4 Phenanthrene-d10	188	10.105	10.105	0.000	97	406868	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	317200	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	297612	400.0	400.0	
$ 7 2-Fluorophenol	112	5.199	5.199	0.000	92	262350	1000.0	996.7	
$ 8 Phenol-d5	99	5.958	5.958	0.000	0	422522	1000.0	992.1	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	91	515223	1000.0	1011.5	
$ 10 2-Fluorobiphenyl (Surr)	172	8.258	8.258	0.000	100	851266	1000.0	988.2	
$ 11 2,4,6-Tribromophenol	330	9.510	9.510	0.000	87	98594	1000.0	1096.8	
$ 12 Terphenyl-d14	244	11.475	11.475	0.000	97	797977	1000.0	996.3	
13 1,4-Dioxane	88	3.593	3.593	0.000	99	100260	1000.0	899.2	
14 N-Nitrosodimethylamine	74	3.893	3.893	0.000	93	239090	1000.0	956.9	
15 Pyridine	79	3.958	3.958	0.000	90	531533	2000.0	1935.5	
26 Benzaldehyde	77	5.928	5.928	0.000	93	325887	2000.0	1837.8	
27 Phenol	94	5.969	5.969	0.000	99	433397	1000.0	978.9	
29 Aniline	93	6.017	6.017	0.000	98	651845	1000.0	963.7	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	96	434757	1000.0	981.6	
32 2-Chlorophenol	128	6.128	6.128	0.000	97	378449	1000.0	999.7	
33 n-Decane	57	6.152	6.152	0.000	91	470826	1000.0	964.6	
34 1,3-Dichlorobenzene	146	6.264	6.264	0.000	98	416301	1000.0	979.5	
36 1,4-Dichlorobenzene	146	6.316	6.316	0.000	93	433684	1000.0	994.6	
37 Benzyl alcohol	108	6.393	6.393	0.000	93	288252	1000.0	987.1	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	97	418430	1000.0	986.3	
40 2-Methylphenol	108	6.475	6.475	0.000	95	378681	1000.0	951.7	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	0.000	94	691145	1000.0	988.9	
42 Indene	115	6.522	6.522	0.000	90	1403622	2000.0	1974.5	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	95	398412	1000.0	958.5	
46 N-Nitrosodi-n-propylamine	70	6.611	6.611	0.000	93	314180	1000.0	1072.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.616	6.616	0.000	96	616369	1000.0	1043.7	
49 Hexachloroethane	117	6.740	6.740	0.000	93	183003	1000.0	987.8	
51 Nitrobenzene	77	6.769	6.769	0.000	90	472970	1000.0	1010.8	
53 Isophorone	82	6.958	6.958	0.000	99	905241	1000.0	1007.4	
55 2-Nitrophenol	139	7.040	7.040	0.000	95	229723	1000.0	1072.5	
54 2,4-Dimethylphenol	107	7.046	7.046	0.000	96	441988	1000.0	1042.6	
58 Bis(2-chloroethoxy)methane	93	7.122	7.122	0.000	99	554527	1000.0	994.5	
57 Benzoic acid	122	7.099	7.099	0.000	87	479638	2000.0	1930.9	
61 2,4-Dichlorophenol	162	7.234	7.234	0.000	98	326071	1000.0	1068.0	
63 1,2,4-Trichlorobenzene	180	7.316	7.316	0.000	94	335186	1000.0	970.1	
64 Naphthalene	128	7.387	7.387	0.000	97	1290952	1000.0	976.3	
65 4-Chloroaniline	127	7.411	7.411	0.000	97	514508	1000.0	1030.3	
66 2,6-Dichlorophenol	162	7.428	7.428	0.000	97	338839	1000.0	1045.8	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	98	173512	1000.0	951.8	
72 Caprolactam	113	7.681	7.681	0.000	78	303266	2000.0	2125.2	
73 4-Chloro-3-methylphenol	107	7.799	7.799	0.000	97	379936	1000.0	1010.6	
76 2-Methylnaphthalene	142	7.963	7.963	0.000	92	758156	1000.0	979.1	
79 1-Methylnaphthalene	142	8.052	8.052	0.000	94	794977	1000.0	975.0	
82 Hexachlorocyclopentadiene	237	8.105	8.105	0.000	96	208356	1000.0	1083.5	
83 1,2,4,5-Tetrachlorobenzene	216	8.111	8.111	0.000	97	308518	1000.0	1063.2	
85 2,4,6-Trichlorophenol	196	8.193	8.193	0.000	94	227779	1000.0	1062.0	
86 2,4,5-Trichlorophenol	196	8.228	8.228	0.000	93	236198	1000.0	1024.7	
88 1,1'-Biphenyl	154	8.346	8.346	0.000	95	973822	1000.0	993.0	
89 2-Chloronaphthalene	162	8.381	8.381	0.000	97	758855	1000.0	1014.3	
91 2-Nitroaniline	65	8.440	8.440	0.000	85	262593	1000.0	1091.5	
94 Dimethyl phthalate	163	8.575	8.575	0.000	98	821068	1000.0	1004.7	
95 1,3-Dinitrobenzene	168	8.605	8.605	0.000	84	143767	1000.0	1004.9	
96 2,6-Dinitrotoluene	165	8.634	8.634	0.000	94	198676	1000.0	1100.0	
97 Acenaphthylene	152	8.734	8.734	0.000	98	1223491	1000.0	1024.0	
98 3-Nitroaniline	138	8.781	8.781	0.000	95	202943	1000.0	993.3	
99 2,4-Dinitrophenol	184	8.863	8.863	0.000	77	220278	2000.0	1993.7	
100 Acenaphthene	153	8.881	8.881	0.000	93	753402	1000.0	986.8	
101 4-Nitrophenol	109	8.893	8.893	0.000	90	275639	2000.0	2078.4	
102 2,4-Dinitrotoluene	165	8.975	8.975	0.000	92	267687	1000.0	1018.5	
104 Dibenzofuran	168	9.022	9.022	0.000	96	1041098	1000.0	994.5	
108 2,3,4,6-Tetrachlorophenol	232	9.116	9.116	0.000	79	173914	1000.0	1073.7	
111 Diethyl phthalate	149	9.163	9.163	0.000	97	840416	1000.0	1010.2	
110 Hexadecane	57	9.169	9.169	0.000	90	642827	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.287	9.287	0.000	97	364622	1000.0	1005.1	
115 4-Nitroaniline	138	9.299	9.299	0.000	86	214789	1000.0	1084.2	
116 Fluorene	166	9.310	9.310	0.000	94	837674	1000.0	992.3	
117 4,6-Dinitro-2-methylphenol	198	9.328	9.328	0.000	77	286484	2000.0	1994.9	
119 Diphenylamine	169	9.381	9.381	0.000	95	618571	850.0	863.3	
118 N-Nitrosodiphenylamine	169	9.381	9.381	0.000	62	618571	1000.0	1015.6	
120 Azobenzene	77	9.422	9.422	0.000	99	992829	1000.0	1008.7	
128 4-Bromophenyl phenyl ether	248	9.705	9.705	0.000	72	189822	1000.0	1012.4	
131 Hexachlorobenzene	284	9.793	9.793	0.000	90	198562	1000.0	1012.6	
130 Atrazine	200	9.805	9.805	0.000	89	394451	2000.0	2123.3	
133 n-Octadecane	57	9.940	9.940	0.000	93	601152	1000.0	998.6	
135 Pentachlorophenol	266	9.940	9.940	0.000	76	253972	2000.0	1991.1	
139 Phenanthrene	178	10.128	10.128	0.000	98	1165104	1000.0	990.0	
140 Anthracene	178	10.169	10.169	0.000	98	1182777	1000.0	1032.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.287	10.287	0.000	96	1149223	1000.0	1019.7	
144 Di-n-butyl phthalate	149	10.528	10.528	0.000	100	1360311	1000.0	1050.6	
149 Fluoranthene	202	11.146	11.146	0.000	99	1144145	1000.0	1044.3	
150 Benzidine	184	11.228	11.228	0.000	99	1089582	2000.0	1935.6	
151 Pyrene	202	11.369	11.369	0.000	97	1216070	1000.0	999.3	
157 Butyl benzyl phthalate	149	11.957	11.957	0.000	97	594363	1000.0	969.6	
163 3,3'-Dichlorobenzidine	252	12.651	12.651	0.000	76	723437	2000.0	2081.0	
162 Bis(2-ethylhexyl) phthalate	149	12.651	12.651	0.000	98	810240	1000.0	1050.4	
164 Benzo[a]anthracene	228	12.722	12.722	0.000	99	1054031	1000.0	1024.1	
165 Chrysene	228	12.769	12.769	0.000	98	1008111	1000.0	989.6	
167 Di-n-octyl phthalate	149	13.569	13.569	0.000	99	1269428	1000.0	964.5	
169 Benzo[b]fluoranthene	252	14.281	14.281	0.000	98	919667	1000.0	1043.9	
170 Benzo[k]fluoranthene	252	14.322	14.322	0.000	99	1060378	1000.0	1068.4	
171 Benzo[a]pyrene	252	14.793	14.793	0.000	80	900162	1000.0	1051.1	
175 Indeno[1,2,3-cd]pyrene	276	16.610	16.610	0.000	95	1048891	1000.0	1055.6	
176 Dibenz(a,h)anthracene	278	16.616	16.616	0.000	92	836669	1000.0	1053.9	
177 Benzo[g,h,i]perylene	276	17.092	17.092	0.000	95	879732	1000.0	1036.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLIST1 L6 W_00025 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 13:13:45 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627005.D

Injection Date: 27-Jun-2025 09:07:50 Instrument ID: A4AG3 Operator ID:

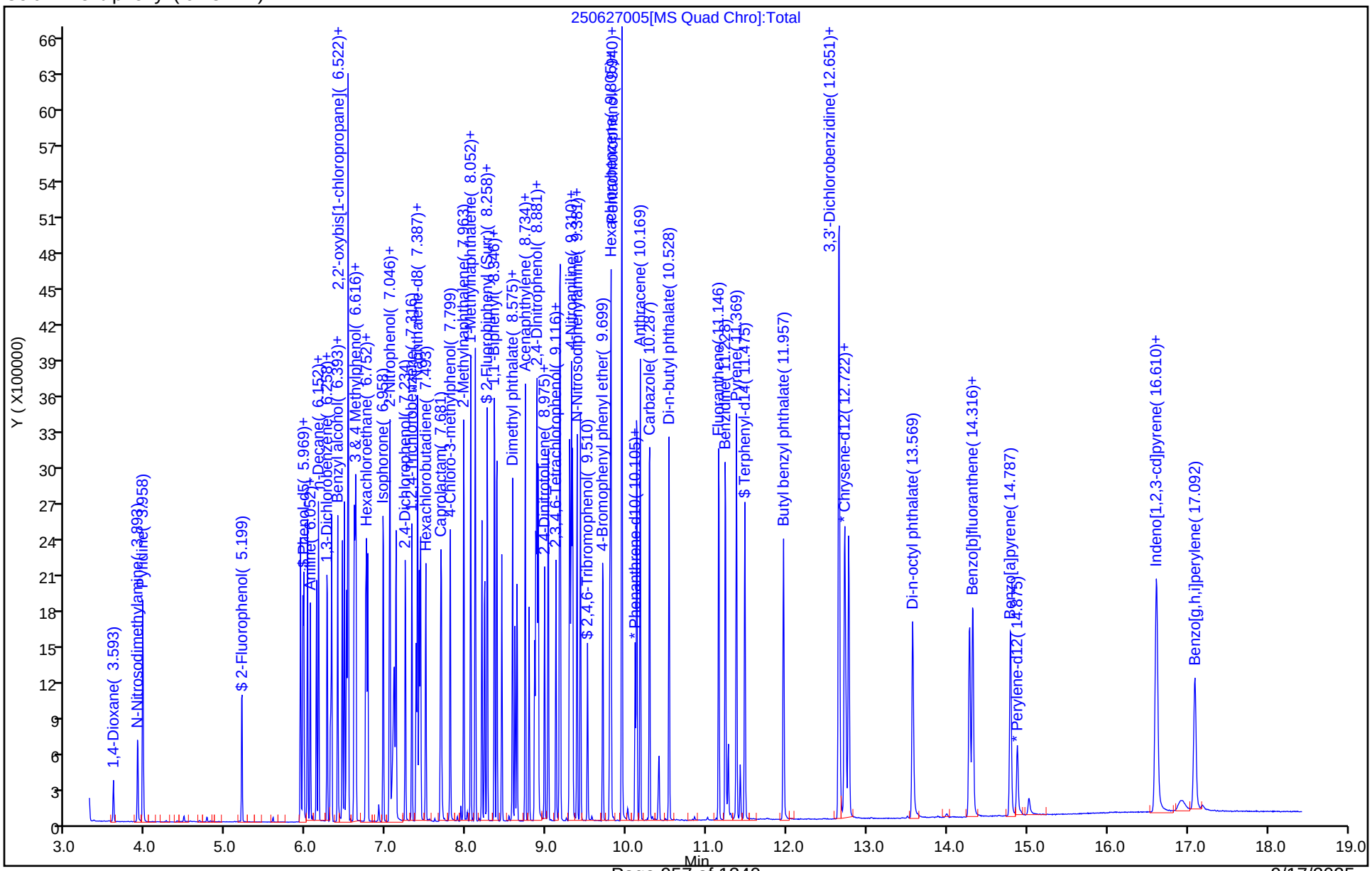
Lims ID: std6 lst1 Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627006.D
Lims ID: std5 lst1
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Jun-2025 09:30:27 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD5 LST1
Misc. Info.: 240-0156317-006
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:13:52 Calib Date: 27-Jun-2025 12:08:41
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 09:52:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	96	108778	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	468804	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	91	266214	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.105	-0.001	97	413151	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	314678	400.0	400.0	
* 6 Perylene-d12	264	14.881	14.875	0.006	97	288391	400.0	400.0	
$ 7 2-Fluorophenol	112	5.199	5.199	0.000	93	129779	500.0	493.7	
$ 8 Phenol-d5	99	5.958	5.958	0.000	0	206453	500.0	485.5	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	90	246744	500.0	507.8	
$ 10 2-Fluorobiphenyl (Surr)	172	8.258	8.258	0.000	100	431005	500.0	495.8	
$ 11 2,4,6-Tribromophenol	330	9.510	9.510	0.000	87	45027	500.0	496.3	
$ 12 Terphenyl-d14	244	11.475	11.475	0.000	96	392170	500.0	491.4	
13 1,4-Dioxane	88	3.599	3.593	0.006	98	50959	500.0	457.7	
14 N-Nitrosodimethylamine	74	3.899	3.893	0.006	93	119995	500.0	480.9	
15 Pyridine	79	3.964	3.958	0.006	90	264902	1000.0	966.0	
26 Benzaldehyde	77	5.928	5.928	0.000	93	195609	1000.0	1035.4	
27 Phenol	94	5.969	5.969	0.000	98	206654	500.0	467.4	
29 Aniline	93	6.016	6.017	0.000	98	311758	500.0	473.1	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	96	208396	500.0	471.2	
32 2-Chlorophenol	128	6.128	6.128	0.000	97	178003	500.0	470.9	
33 n-Decane	57	6.152	6.152	0.000	90	242034	500.0	496.6	
34 1,3-Dichlorobenzene	146	6.258	6.264	-0.006	98	208390	500.0	491.0	
36 1,4-Dichlorobenzene	146	6.316	6.316	0.000	93	212372	500.0	487.8	
37 Benzyl alcohol	108	6.393	6.393	0.000	93	133548	500.0	472.8	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	97	205221	500.0	484.4	
40 2-Methylphenol	108	6.475	6.475	0.000	93	175678	500.0	453.0	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	0.000	95	342344	500.0	490.6	
42 Indene	115	6.522	6.522	0.000	91	713120	1000.0	1004.6	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	95	183092	500.0	453.8	
46 N-Nitrosodi-n-propylamine	70	6.605	6.611	-0.006	93	154420	500.0	528.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.616	6.616	0.000	97	301129	500.0	510.6	
49 Hexachloroethane	117	6.740	6.740	0.000	94	90910	500.0	491.4	
51 Nitrobenzene	77	6.769	6.769	0.000	89	224495	500.0	503.0	
53 Isophorone	82	6.958	6.958	0.000	100	443082	500.0	516.9	
55 2-Nitrophenol	139	7.040	7.040	0.000	95	105945	500.0	518.5	
54 2,4-Dimethylphenol	107	7.046	7.046	0.000	95	210155	500.0	519.7	
57 Benzoic acid	122	7.081	7.099	-0.018	87	191785	1000.0	890.3	
58 Bis(2-chloroethoxy)methane	93	7.122	7.122	0.000	99	278593	500.0	523.8	
61 2,4-Dichlorophenol	162	7.234	7.234	0.000	97	147135	500.0	505.2	
63 1,2,4-Trichlorobenzene	180	7.316	7.316	0.000	94	159757	500.0	484.7	
64 Naphthalene	128	7.387	7.387	0.000	97	633017	500.0	501.8	
65 4-Chloroaniline	127	7.411	7.411	0.000	96	245216	500.0	531.2	
66 2,6-Dichlorophenol	162	7.428	7.428	0.000	96	162699	500.0	526.4	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	97	84358	500.0	485.1	
72 Caprolactam	113	7.675	7.681	-0.006	78	148239	1000.0	1089.0	
73 4-Chloro-3-methylphenol	107	7.793	7.799	-0.006	98	191196	500.0	533.2	
76 2-Methylnaphthalene	142	7.963	7.963	0.000	92	383065	500.0	518.6	
79 1-Methylnaphthalene	142	8.052	8.052	0.000	94	400352	500.0	514.8	
82 Hexachlorocyclopentadiene	237	8.105	8.105	0.000	95	102576	500.0	528.6	
83 1,2,4,5-Tetrachlorobenzene	216	8.110	8.111	0.000	98	154514	500.0	527.6	
85 2,4,6-Trichlorophenol	196	8.193	8.193	0.000	93	109375	500.0	505.3	
86 2,4,5-Trichlorophenol	196	8.222	8.228	-0.006	93	116059	500.0	498.9	
88 1,1'-Biphenyl	154	8.346	8.346	0.000	95	500666	500.0	505.9	
89 2-Chloronaphthalene	162	8.381	8.381	0.000	97	385915	500.0	511.2	
91 2-Nitroaniline	65	8.440	8.440	0.000	83	123946	500.0	510.5	
94 Dimethyl phthalate	163	8.575	8.575	0.000	99	404555	500.0	490.5	
95 1,3-Dinitrobenzene	168	8.605	8.605	0.000	84	62898	500.0	455.1	
96 2,6-Dinitrotoluene	165	8.628	8.634	-0.006	92	91529	500.0	502.2	
97 Acenaphthylene	152	8.734	8.734	0.000	98	615896	500.0	510.8	
98 3-Nitroaniline	138	8.781	8.781	0.000	93	92268	500.0	466.5	
99 2,4-Dinitrophenol	184	8.863	8.863	0.000	80	94744	1000.0	910.7	
100 Acenaphthene	153	8.875	8.881	-0.006	94	386826	500.0	502.1	
101 4-Nitrophenol	109	8.893	8.893	0.000	90	135179	1000.0	1032.0	
102 2,4-Dinitrotoluene	165	8.975	8.975	0.000	92	126029	500.0	487.0	
104 Dibenzofuran	168	9.016	9.022	-0.006	96	527665	500.0	499.4	
108 2,3,4,6-Tetrachlorophenol	232	9.116	9.116	0.000	79	83454	500.0	510.5	
111 Diethyl phthalate	149	9.157	9.163	-0.006	97	429058	500.0	511.1	
110 Hexadecane	57	9.169	9.169	0.000	90	345204	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.287	9.287	0.000	97	180874	500.0	494.1	
115 4-Nitroaniline	138	9.293	9.299	-0.006	85	112728	500.0	563.8	
116 Fluorene	166	9.310	9.310	0.000	95	439661	500.0	516.1	
117 4,6-Dinitro-2-methylphenol	198	9.322	9.328	-0.006	76	130079	1000.0	932.7	
119 Diphenylamine	169	9.381	9.381	0.000	95	310996	425.0	427.4	
118 N-Nitrosodiphenylamine	169	9.381	9.381	0.000	62	310996	500.0	502.9	
120 Azobenzene	77	9.422	9.422	0.000	100	511797	500.0	512.1	
128 4-Bromophenyl phenyl ether	248	9.699	9.705	-0.006	73	93533	500.0	491.3	
131 Hexachlorobenzene	284	9.787	9.793	-0.006	90	98070	500.0	492.5	
130 Atrazine	200	9.799	9.805	-0.006	88	204458	1000.0	1083.9	
133 n-Octadecane	57	9.940	9.940	0.000	93	330882	500.0	541.3	
135 Pentachlorophenol	266	9.940	9.940	0.000	89	122435	1000.0	979.7	
139 Phenanthrene	178	10.122	10.128	-0.006	98	591968	500.0	495.4	
140 Anthracene	178	10.169	10.169	0.000	98	598684	500.0	514.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.281	10.287	-0.006	96	569997	500.0	498.1	
144 Di-n-butyl phthalate	149	10.528	10.528	0.000	100	656723	500.0	499.5	
149 Fluoranthene	202	11.146	11.146	0.000	98	556053	500.0	499.8	
150 Benzidine	184	11.228	11.228	0.000	99	461792	1000.0	893.2	
151 Pyrene	202	11.369	11.369	0.000	97	591541	500.0	490.0	
157 Butyl benzyl phthalate	149	11.957	11.957	0.000	97	266152	500.0	451.6	
162 Bis(2-ethylhexyl) phthalate	149	12.651	12.651	0.000	97	370054	500.0	493.6	
163 3,3'-Dichlorobenzidine	252	12.651	12.651	0.000	76	343527	1000.0	1019.7	
164 Benzo[a]anthracene	228	12.722	12.722	0.000	99	495833	500.0	485.6	
165 Chrysene	228	12.769	12.769	0.000	98	494950	500.0	489.7	
167 Di-n-octyl phthalate	149	13.569	13.569	0.000	99	519253	500.0	434.2	
169 Benzo[b]fluoranthene	252	14.281	14.281	0.000	99	420918	500.0	521.2	
170 Benzo[k]fluoranthene	252	14.316	14.322	-0.006	98	500217	500.0	520.1	
171 Benzo[a]pyrene	252	14.792	14.793	0.000	78	408742	500.0	520.6	
175 Indeno[1,2,3-cd]pyrene	276	16.604	16.610	-0.006	95	475371	500.0	521.9	
176 Dibenz(a,h)anthracene	278	16.616	16.616	0.000	92	393213	500.0	543.3	
177 Benzo[g,h,i]perylene	276	17.092	17.092	0.000	95	408422	500.0	517.9	
S 202 Methyl Phenols,Total	100				0			906.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLIST1 L5 W_00025 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 13:13:52 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627006.D

Injection Date: 27-Jun-2025 09:30:27 Instrument ID: A4AG3 Operator ID:

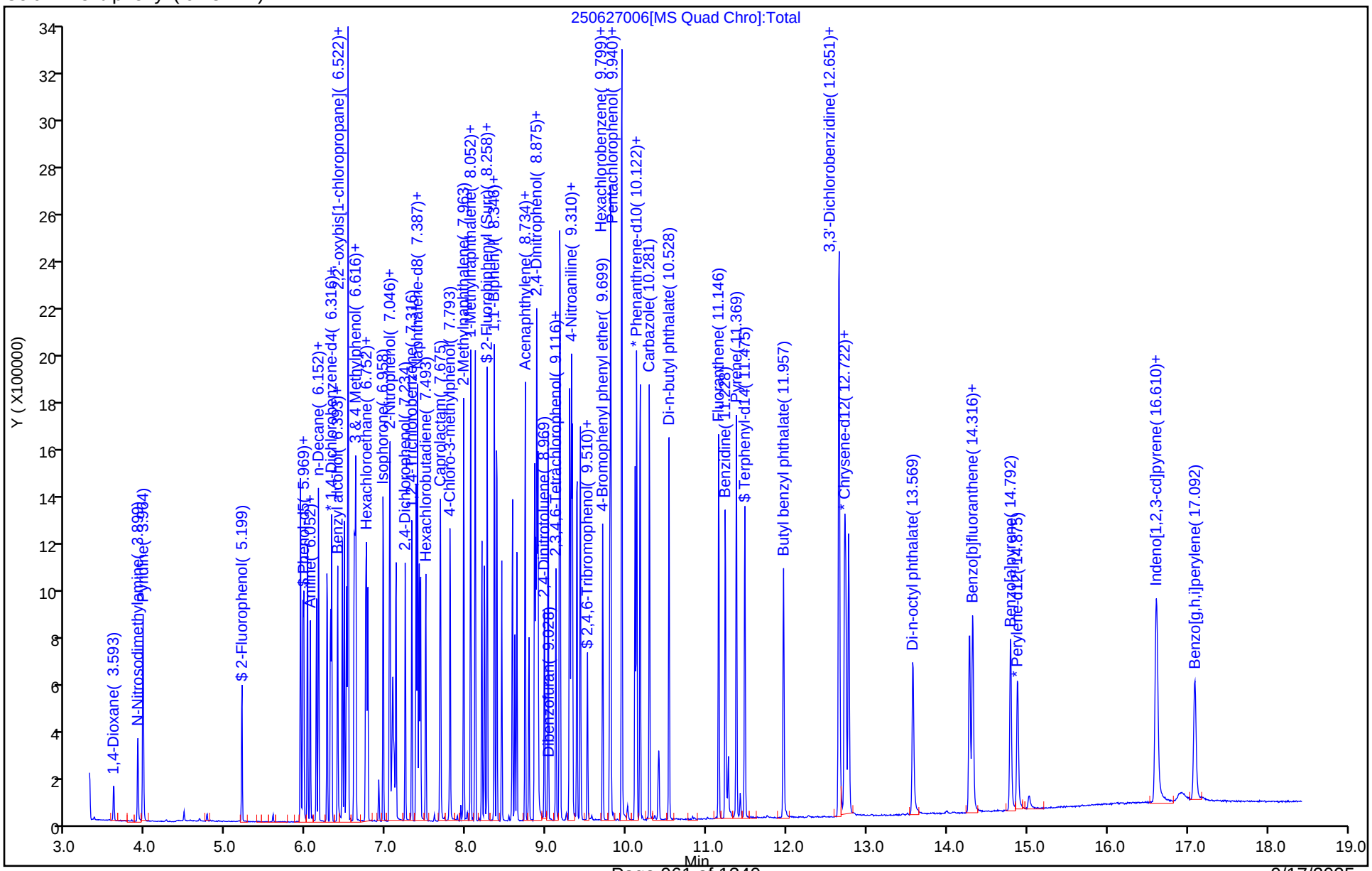
Lims ID: std5 lst1 Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627007.D
Lims ID: std4 lst1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Jun-2025 09:53:01 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD4 LST1
Misc. Info.: 240-0156317-007
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:13:58 Calib Date: 27-Jun-2025 12:08:41
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 10:50:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	96	102107	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	402999	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	92	251781	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.104	0.000	97	397726	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	292006	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	276535	400.0	400.0	
$ 7 2-Fluorophenol	112	5.193	5.193	0.000	93	48369	200.0	196.0	
$ 8 Phenol-d5	99	5.958	5.958	0.000	0	74677	200.0	187.1	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	90	86468	200.0	207.0	
$ 10 2-Fluorobiphenyl (Surr)	172	8.257	8.257	0.000	100	169744	200.0	206.5	
$ 11 2,4,6-Tribromophenol	330	9.510	9.510	0.000	85	16454	200.0	191.8	
$ 12 Terphenyl-d14	244	11.475	11.475	0.000	96	151728	200.0	202.4	
13 1,4-Dioxane	88	3.593	3.593	0.000	97	17712	200.0	169.5	
14 N-Nitrosodimethylamine	74	3.893	3.893	0.000	93	46749	200.0	199.6	
15 Pyridine	79	3.958	3.958	0.000	88	85879	400.0	333.6	
26 Benzaldehyde	77	5.928	5.928	0.000	93	80371	400.0	428.1	
27 Phenol	94	5.969	5.969	0.000	98	75778	200.0	182.6	
29 Aniline	93	6.016	6.016	0.000	98	113734	200.0	197.4	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	97	82004	200.0	197.5	
32 2-Chlorophenol	128	6.128	6.128	0.000	96	68660	200.0	193.5	
33 n-Decane	57	6.152	6.152	0.000	91	90874	200.0	198.6	
34 1,3-Dichlorobenzene	146	6.258	6.258	0.000	97	82479	200.0	207.0	
36 1,4-Dichlorobenzene	146	6.316	6.316	0.000	94	85133	200.0	208.3	
37 Benzyl alcohol	108	6.393	6.393	0.000	94	47069	200.0	194.8	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	96	82548	200.0	207.6	
40 2-Methylphenol	108	6.475	6.475	0.000	94	64219	200.0	188.8	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	0.000	94	130197	200.0	198.8	
42 Indene	115	6.522	6.522	0.000	92	280398	400.0	420.8	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	96	66591	200.0	190.1	
46 N-Nitrosodi-n-propylamine	70	6.605	6.605	0.000	92	56393	200.0	205.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.616	6.616	0.000	96	108461	200.0	195.9	
49 Hexachloroethane	117	6.740	6.740	0.000	93	36448	200.0	209.9	
51 Nitrobenzene	77	6.769	6.769	0.000	88	79966	200.0	208.4	
53 Isophorone	82	6.958	6.958	0.000	100	166631	200.0	226.1	
55 2-Nitrophenol	139	7.040	7.040	0.000	95	34256	200.0	195.0	
54 2,4-Dimethylphenol	107	7.046	7.046	0.000	96	71290	200.0	205.1	
57 Benzoic acid	122	7.069	7.069	0.000	91	58542	400.0	406.0	
58 Bis(2-chloroethoxy)methane	93	7.116	7.116	0.000	99	102571	200.0	224.3	
61 2,4-Dichlorophenol	162	7.234	7.234	0.000	97	49792	200.0	198.9	
63 1,2,4-Trichlorobenzene	180	7.316	7.316	0.000	95	58681	200.0	207.1	
64 Naphthalene	128	7.387	7.387	0.000	97	230251	200.0	212.3	
65 4-Chloroaniline	127	7.410	7.410	0.000	96	79515	200.0	220.8	
66 2,6-Dichlorophenol	162	7.428	7.428	0.000	96	54461	200.0	205.0	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	97	32250	200.0	215.7	
72 Caprolactam	113	7.669	7.669	0.000	77	52992	400.0	452.9	
73 4-Chloro-3-methylphenol	107	7.793	7.793	0.000	97	67458	200.0	218.8	
76 2-Methylnaphthalene	142	7.963	7.963	0.000	93	151548	200.0	238.7	
79 1-Methylnaphthalene	142	8.052	8.052	0.000	93	153783	200.0	230.0	
82 Hexachlorocyclopentadiene	237	8.105	8.105	0.000	94	35804	200.0	195.1	
83 1,2,4,5-Tetrachlorobenzene	216	8.110	8.110	0.000	98	56044	200.0	202.3	
85 2,4,6-Trichlorophenol	196	8.193	8.193	0.000	93	39952	200.0	195.2	
86 2,4,5-Trichlorophenol	196	8.222	8.222	0.000	92	43000	200.0	195.4	
88 1,1'-Biphenyl	154	8.346	8.346	0.000	95	201433	200.0	215.2	
89 2-Chloronaphthalene	162	8.375	8.375	0.000	97	150545	200.0	210.8	
91 2-Nitroaniline	65	8.440	8.440	0.000	83	43391	200.0	189.0	
94 Dimethyl phthalate	163	8.575	8.575	0.000	99	160935	200.0	206.3	
95 1,3-Dinitrobenzene	168	8.604	8.604	0.000	82	20926	200.0	182.4	
96 2,6-Dinitrotoluene	165	8.628	8.628	0.000	94	34327	200.0	199.1	
97 Acenaphthylene	152	8.734	8.734	0.000	98	246885	200.0	216.5	
98 3-Nitroaniline	138	8.781	8.781	0.000	96	29547	200.0	180.8	
99 2,4-Dinitrophenol	184	8.863	8.863	0.000	79	26286	400.0	342.3	
100 Acenaphthene	153	8.875	8.875	0.000	94	158599	200.0	217.6	
101 4-Nitrophenol	109	8.893	8.893	0.000	95	44621	400.0	388.0	
102 2,4-Dinitrotoluene	165	8.975	8.975	0.000	93	45014	200.0	197.7	
104 Dibenzofuran	168	9.016	9.016	0.000	96	211370	200.0	211.5	
108 2,3,4,6-Tetrachlorophenol	232	9.116	9.116	0.000	79	31267	200.0	202.2	
111 Diethyl phthalate	149	9.157	9.157	0.000	97	165867	200.0	208.9	
110 Hexadecane	57	9.169	9.169	0.000	91	138090	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.287	9.287	0.000	97	70675	200.0	204.1	
115 4-Nitroaniline	138	9.293	9.293	0.000	84	40469	200.0	214.0	
116 Fluorene	166	9.310	9.310	0.000	95	172832	200.0	214.5	
117 4,6-Dinitro-2-methylphenol	198	9.322	9.322	0.000	75	43672	400.0	373.2	
119 Diphenylamine	169	9.381	9.381	0.000	95	122825	170.0	175.4	
118 N-Nitrosodiphenylamine	169	9.381	9.381	0.000	62	122825	200.0	206.3	
120 Azobenzene	77	9.422	9.422	0.000	99	196596	200.0	204.3	
128 4-Bromophenyl phenyl ether	248	9.699	9.699	0.000	74	36979	200.0	201.8	
131 Hexachlorobenzene	284	9.787	9.787	0.000	90	38522	200.0	201.0	
130 Atrazine	200	9.799	9.799	0.000	87	76734	400.0	422.6	
133 n-Octadecane	57	9.940	9.940	0.000	92	135997	200.0	231.1	
135 Pentachlorophenol	266	9.940	9.940	0.000	70	42409	400.0	394.5	
139 Phenanthrene	178	10.122	10.122	0.000	97	232663	200.0	202.2	
140 Anthracene	178	10.169	10.169	0.000	98	231161	200.0	206.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.281	10.281	0.000	96	221698	200.0	201.2	
144 Di-n-butyl phthalate	149	10.528	10.528	0.000	100	245744	200.0	194.1	
149 Fluoranthene	202	11.146	11.146	0.000	99	217059	200.0	202.7	
150 Benzidine	184	11.228	11.228	0.000	99	127741	400.0	347.5	
151 Pyrene	202	11.369	11.369	0.000	97	236042	200.0	210.7	
157 Butyl benzyl phthalate	149	11.957	11.957	0.000	97	96281	200.0	191.5	
163 3,3'-Dichlorobenzidine	252	12.645	12.645	0.000	77	116007	400.0	399.9	
162 Bis(2-ethylhexyl) phthalate	149	12.651	12.651	0.000	97	129135	200.0	197.2	
164 Benzo[a]anthracene	228	12.716	12.716	0.000	99	194091	200.0	204.9	
165 Chrysene	228	12.769	12.769	0.000	98	190191	200.0	202.8	
167 Di-n-octyl phthalate	149	13.569	13.569	0.000	99	154595	200.0	167.1	
169 Benzo[b]fluoranthene	252	14.275	14.275	0.000	99	148831	200.0	200.7	
170 Benzo[k]fluoranthene	252	14.316	14.316	0.000	99	186825	200.0	202.6	
171 Benzo[a]pyrene	252	14.787	14.787	0.000	79	148311	200.0	205.5	
175 Indeno[1,2,3-cd]pyrene	276	16.598	16.598	0.000	95	169457	200.0	203.3	
176 Dibenz(a,h)anthracene	278	16.616	16.616	0.000	91	136711	200.0	207.8	
177 Benzo[g,h,i]perylene	276	17.086	17.086	0.000	95	148984	200.0	204.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLIST1 L4 W_00025 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 13:13:59 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627007.D

Injection Date: 27-Jun-2025 09:53:01 Instrument ID: A4AG3 Operator ID:

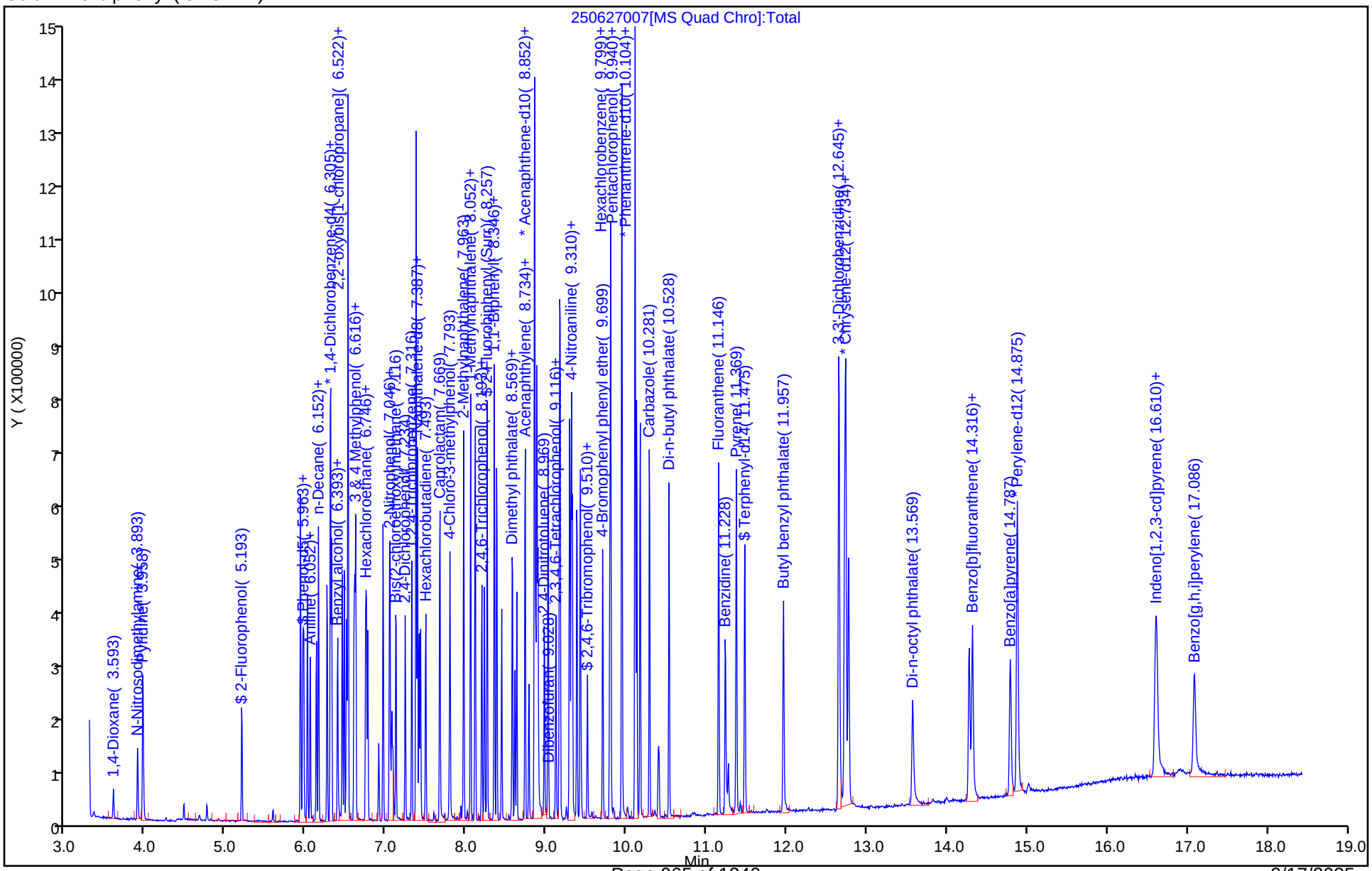
Lims ID: std4 lst1 Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627008.D
Lims ID: std3 lst1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Jun-2025 10:15:38 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD3 LST1
Misc. Info.: 240-0156317-008
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:14:12 Calib Date: 27-Jun-2025 12:53:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627015.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 10:58:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.299	6.305	-0.006	97	98194	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	404152	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	93	247553	400.0	400.0	
* 4 Phenanthrene-d10	188	10.105	10.104	0.001	97	389782	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	293801	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	271204	400.0	400.0	
$ 7 2-Fluorophenol	112	5.193	5.193	0.000	93	23341	100.0	98.4	
$ 8 Phenol-d5	99	5.958	5.958	0.000	0	35624	100.0	92.8	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	92	40859	100.0	97.5	
$ 10 2-Fluorobiphenyl (Surr)	172	8.258	8.257	0.001	99	83416	100.0	103.2	
$ 11 2,4,6-Tribromophenol	330	9.510	9.510	0.000	84	7573	100.0	89.8	
$ 12 Terphenyl-d14	244	11.475	11.475	0.000	96	73615	100.0	95.3	
13 1,4-Dioxane	88	3.593	3.593	0.000	98	10658	100.0	106.0	
14 N-Nitrosodimethylamine	74	3.893	3.893	0.000	95	22163	100.0	98.4	
15 Pyridine	79	3.964	3.958	0.006	89	48011	200.0	193.9	
26 Benzaldehyde	77	5.928	5.928	0.000	92	36331	200.0	192.6	
27 Phenol	94	5.969	5.969	0.000	99	37332	100.0	93.5	
29 Aniline	93	6.017	6.016	0.000	99	51959	100.0	105.4	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	97	40832	100.0	102.3	
32 2-Chlorophenol	128	6.128	6.128	0.000	96	33828	100.0	99.1	
33 n-Decane	57	6.152	6.152	0.000	91	45825	100.0	104.2	
34 1,3-Dichlorobenzene	146	6.258	6.258	0.000	97	38582	100.0	100.7	
36 1,4-Dichlorobenzene	146	6.316	6.316	0.000	95	39775	100.0	101.2	
37 Benzyl alcohol	108	6.393	6.393	0.000	93	18758	100.0	96.9	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	95	38099	100.0	99.6	
40 2-Methylphenol	108	6.475	6.475	0.000	94	29758	100.0	101.5	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	0.000	95	64820	100.0	102.9	
42 Indene	115	6.522	6.522	0.000	91	134494	200.0	209.9	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	95	29655	100.0	100.6	
46 N-Nitrosodi-n-propylamine	70	6.605	6.605	0.000	92	24043	100.0	91.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.616	6.616	0.000	95	51330	100.0	96.4	
49 Hexachloroethane	117	6.740	6.740	0.000	93	16690	100.0	99.9	
51 Nitrobenzene	77	6.764	6.769	-0.005	90	37600	100.0	97.7	
53 Isophorone	82	6.958	6.958	0.000	99	74185	100.0	100.4	
55 2-Nitrophenol	139	7.040	7.040	0.000	96	15043	100.0	85.4	
54 2,4-Dimethylphenol	107	7.046	7.046	0.000	96	32312	100.0	92.7	
57 Benzoic acid	122	7.064	7.069	-0.005	90	17756	200.0	219.9	
58 Bis(2-chloroethoxy)methane	93	7.116	7.116	0.000	97	46114	100.0	100.6	
61 2,4-Dichlorophenol	162	7.234	7.234	0.000	97	21690	100.0	86.4	
63 1,2,4-Trichlorobenzene	180	7.316	7.316	0.000	94	28470	100.0	100.2	
64 Naphthalene	128	7.387	7.387	0.000	97	112275	100.0	103.2	
65 4-Chloroaniline	127	7.411	7.410	0.001	95	25409	100.0	92.8	
66 2,6-Dichlorophenol	162	7.428	7.428	0.000	96	24868	100.0	93.3	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	95	15475	100.0	103.2	
72 Caprolactam	113	7.663	7.669	-0.006	77	23030	200.0	196.2	
73 4-Chloro-3-methylphenol	107	7.793	7.793	0.000	97	30747	100.0	99.5	
76 2-Methylnaphthalene	142	7.963	7.963	0.000	93	69513	100.0	109.2	
79 1-Methylnaphthalene	142	8.052	8.052	0.000	94	75734	100.0	113.0	
82 Hexachlorocyclopentadiene	237	8.105	8.105	0.001	93	16513	100.0	91.5	
83 1,2,4,5-Tetrachlorobenzene	216	8.111	8.110	0.000	97	24721	100.0	90.8	
85 2,4,6-Trichlorophenol	196	8.193	8.193	0.000	94	19264	100.0	95.7	
86 2,4,5-Trichlorophenol	196	8.222	8.222	0.000	92	19936	100.0	92.2	
88 1,1'-Biphenyl	154	8.346	8.346	0.000	95	97678	100.0	106.1	
89 2-Chloronaphthalene	162	8.375	8.375	0.000	98	73445	100.0	104.6	
91 2-Nitroaniline	65	8.440	8.440	0.000	80	19426	100.0	86.0	
94 Dimethyl phthalate	163	8.575	8.575	0.000	98	76011	100.0	99.1	
95 1,3-Dinitrobenzene	168	8.605	8.604	0.001	81	8151	100.0	93.1	
96 2,6-Dinitrotoluene	165	8.628	8.628	0.000	90	14639	100.0	86.4	
97 Acenaphthylene	152	8.734	8.734	0.000	98	115517	100.0	103.0	
98 3-Nitroaniline	138	8.781	8.781	0.000	92	11260	100.0	91.2	
99 2,4-Dinitrophenol	184	8.863	8.863	0.000	78	8753	200.0	186.2	
100 Acenaphthene	153	8.875	8.875	0.000	93	74303	100.0	103.7	
101 4-Nitrophenol	109	8.893	8.893	0.000	95	19702	200.0	197.7	
102 2,4-Dinitrotoluene	165	8.969	8.975	-0.006	86	18613	100.0	96.0	
104 Dibenzofuran	168	9.016	9.016	0.000	95	104214	100.0	106.1	
108 2,3,4,6-Tetrachlorophenol	232	9.116	9.116	0.000	77	13625	100.0	89.6	
111 Diethyl phthalate	149	9.158	9.157	0.001	97	82378	100.0	105.5	
110 Hexadecane	57	9.169	9.169	0.000	90	66397	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.287	9.287	0.000	96	35683	100.0	104.8	
115 4-Nitroaniline	138	9.293	9.293	0.000	83	17895	100.0	96.3	
116 Fluorene	166	9.310	9.310	0.000	96	83979	100.0	106.0	
117 4,6-Dinitro-2-methylphenol	198	9.322	9.322	0.000	73	16639	200.0	190.1	
119 Diphenylamine	169	9.375	9.381	-0.006	95	57046	85.0	83.1	
118 N-Nitrosodiphenylamine	169	9.375	9.381	-0.006	63	57046	100.0	97.8	
120 Azobenzene	77	9.422	9.422	0.000	99	95540	100.0	101.3	
128 4-Bromophenyl phenyl ether	248	9.699	9.699	0.000	73	17484	100.0	97.3	
131 Hexachlorobenzene	284	9.787	9.787	0.000	87	18358	100.0	97.7	
130 Atrazine	200	9.799	9.799	0.000	87	36530	200.0	205.3	
133 n-Octadecane	57	9.940	9.940	0.000	94	64409	100.0	111.7	
135 Pentachlorophenol	266	9.940	9.940	0.000	67	15289	200.0	186.6	
139 Phenanthrene	178	10.122	10.122	0.000	97	119410	100.0	105.9	
140 Anthracene	178	10.169	10.169	0.000	98	111933	100.0	102.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.281	10.281	0.000	96	109026	100.0	101.0	
144 Di-n-butyl phthalate	149	10.528	10.528	0.000	100	119520	100.0	96.4	
149 Fluoranthene	202	11.146	11.146	0.000	99	107491	100.0	102.4	
150 Benzidine	184	11.228	11.228	0.000	99	37146	200.0	182.7	
151 Pyrene	202	11.369	11.369	0.000	97	114489	100.0	101.6	
157 Butyl benzyl phthalate	149	11.957	11.957	0.000	96	42947	100.0	99.0	
163 3,3'-Dichlorobenzidine	252	12.646	12.645	0.001	77	47419	200.0	189.4	
162 Bis(2-ethylhexyl) phthalate	149	12.651	12.651	0.000	97	55957	100.0	95.5	
164 Benzo[a]anthracene	228	12.716	12.716	0.000	99	92900	100.0	97.5	
165 Chrysene	228	12.769	12.769	0.000	97	93528	100.0	99.1	
167 Di-n-octyl phthalate	149	13.569	13.569	0.000	99	59684	100.0	94.2	
169 Benzo[b]fluoranthene	252	14.275	14.275	0.000	98	69573	100.0	98.3	
170 Benzo[k]fluoranthene	252	14.316	14.316	0.000	97	88015	100.0	97.3	
171 Benzo[a]pyrene	252	14.787	14.787	0.001	81	64613	100.0	94.3	
175 Indeno[1,2,3-cd]pyrene	276	16.604	16.598	0.006	94	74062	100.0	94.3	
176 Dibenz(a,h)anthracene	278	16.616	16.616	0.000	92	57210	100.0	92.5	
177 Benzo[g,h,i]perylene	276	17.087	17.086	0.000	94	66462	100.0	95.6	
S 202 Methyl Phenols,Total	100				0			202.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLIST1 L3 W_00025 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 13:14:13 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627008.D

Injection Date: 27-Jun-2025 10:15:38 Instrument ID: A4AG3 Operator ID:

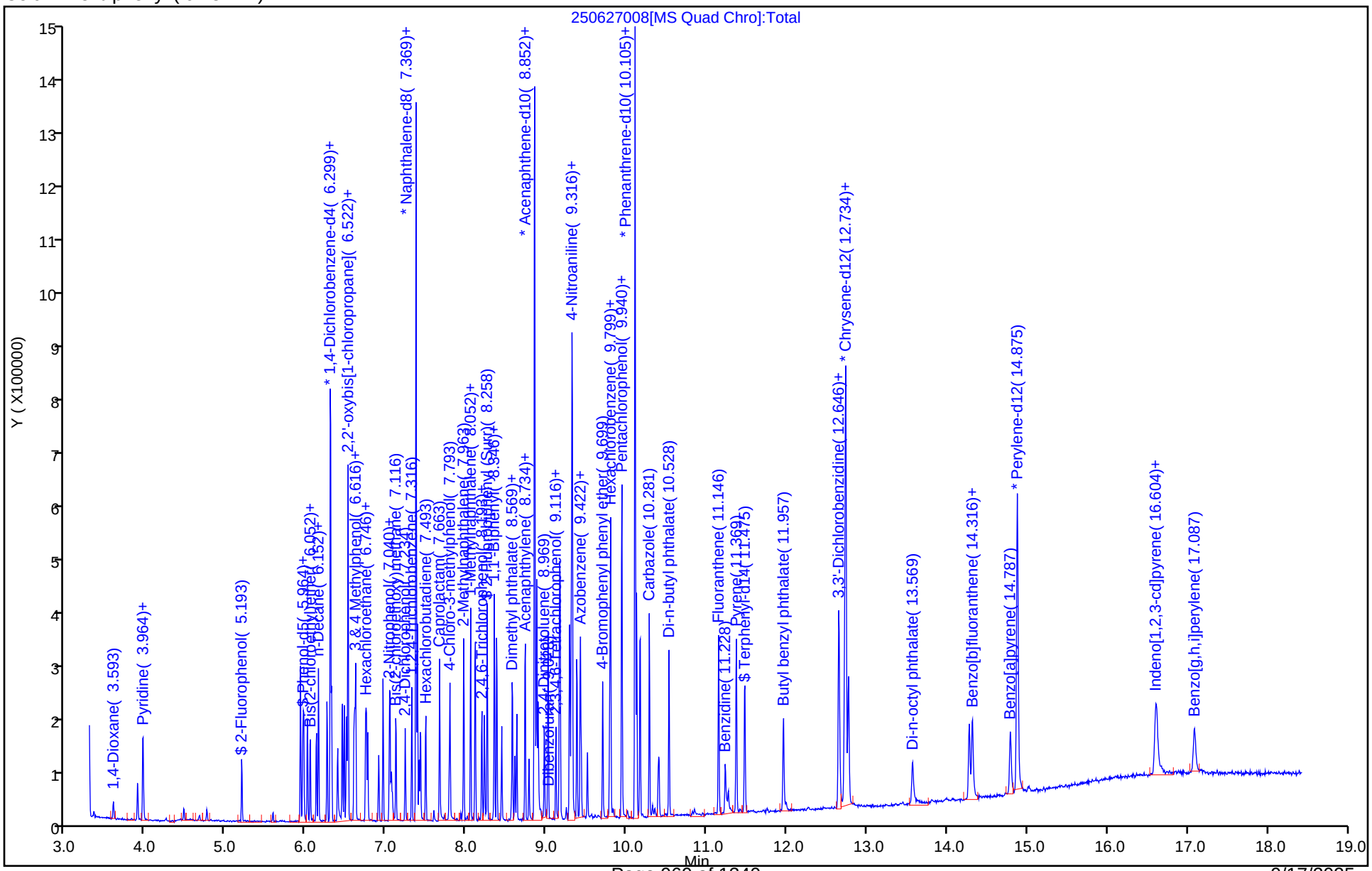
Lims ID: std3 lst1 Worklist Smp#: 8

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627009.D
Lims ID: std2 lst1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Jun-2025 10:38:17 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD2 LST1
Misc. Info.: 240-0156317-009
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:14:18 Calib Date: 27-Jun-2025 12:53:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627015.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 11:44:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	97	107111	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	395498	400.0	400.0	
* 3 Acenaphthene-d10	164	8.851	8.852	-0.001	92	229169	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.104	0.000	97	359328	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	266852	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	241997	400.0	400.0	
$ 7 2-Fluorophenol	112	5.199	5.193	0.006	92	15094	50.0	58.3	
$ 8 Phenol-d5	99	5.957	5.958	-0.001	0	19097	50.0	45.6	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	91	20170	50.0	49.2	
$ 10 2-Fluorobiphenyl (Surr)	172	8.257	8.257	0.000	99	40028	50.0	53.5	
$ 11 2,4,6-Tribromophenol	330	9.510	9.510	0.000	80	2596	50.0	33.2	
$ 12 Terphenyl-d14	244	11.475	11.475	0.000	96	33506	50.0	45.6	
13 1,4-Dioxane	88	3.593	3.593	0.000	98	5996	50.0	54.7	
14 N-Nitrosodimethylamine	74	3.899	3.893	0.006	91	12050	50.0	49.0	
15 Pyridine	79	3.963	3.958	0.005	92	28580	100.0	105.8	
26 Benzaldehyde	77	5.928	5.928	0.000	93	18037	100.0	81.5	
27 Phenol	94	5.969	5.969	0.000	95	19730	50.0	45.3	
29 Aniline	93	6.016	6.016	0.000	97	18904	50.0	49.9	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	96	21369	50.0	49.1	
32 2-Chlorophenol	128	6.128	6.128	0.000	96	17080	50.0	45.9	
33 n-Decane	57	6.152	6.152	0.000	90	26207	50.0	54.6	
34 1,3-Dichlorobenzene	146	6.257	6.258	-0.001	97	22443	50.0	53.7	
36 1,4-Dichlorobenzene	146	6.316	6.316	0.000	93	22563	50.0	52.6	
37 Benzyl alcohol	108	6.393	6.393	0.000	92	7760	50.0	53.9	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	96	21915	50.0	52.5	
40 2-Methylphenol	108	6.475	6.475	0.000	95	14243	50.0	55.9	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	-0.001	94	33300	50.0	48.5	
42 Indene	115	6.522	6.522	0.000	90	73291	100.0	104.9	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	95	13560	50.0	55.8	
46 N-Nitrosodi-n-propylamine	70	6.605	6.605	-0.001	93	11095	50.0	38.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.616	6.616	0.000	96	25811	50.0	44.4	
49 Hexachloroethane	117	6.740	6.740	0.000	92	9052	50.0	49.7	
51 Nitrobenzene	77	6.769	6.769	0.000	89	17645	50.0	46.9	
53 Isophorone	82	6.957	6.958	-0.001	99	32520	50.0	45.0	
55 2-Nitrophenol	139	7.040	7.040	0.000	94	6541	50.0	37.9	
54 2,4-Dimethylphenol	107	7.046	7.046	0.000	94	15377	50.0	45.1	
57 Benzoic acid	122		7.069				ND	ND	U
58 Bis(2-chloroethoxy)methane	93	7.116	7.116	0.000	98	22485	50.0	50.1	
61 2,4-Dichlorophenol	162	7.234	7.234	0.000	97	9250	50.0	37.6	
63 1,2,4-Trichlorobenzene	180	7.316	7.316	0.000	94	15129	50.0	54.4	
64 Naphthalene	128	7.387	7.387	0.000	97	55522	50.0	52.2	
65 4-Chloroaniline	127	7.410	7.410	0.000	89	4768	50.0	44.3	
66 2,6-Dichlorophenol	162	7.428	7.428	0.000	95	10744	50.0	41.2	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	95	7983	50.0	54.4	
72 Caprolactam	113	7.663	7.669	-0.006	79	9739	100.0	84.8	
73 4-Chloro-3-methylphenol	107	7.793	7.793	0.000	95	12863	50.0	42.5	
76 2-Methylnaphthalene	142	7.963	7.963	0.000	95	31315	50.0	50.3	
79 1-Methylnaphthalene	142	8.051	8.052	-0.001	95	33343	50.0	50.8	
82 Hexachlorocyclopentadiene	237	8.104	8.105	0.000	92	6597	50.0	39.5	
83 1,2,4,5-Tetrachlorobenzene	216	8.110	8.110	0.000	98	11750	50.0	46.6	
85 2,4,6-Trichlorophenol	196	8.193	8.193	0.000	93	7545	50.0	40.5	
86 2,4,5-Trichlorophenol	196	8.222	8.222	0.000	90	9331	50.0	46.6	
88 1,1'-Biphenyl	154	8.346	8.346	0.000	95	45631	50.0	53.6	
89 2-Chloronaphthalene	162	8.375	8.375	0.000	98	34665	50.0	53.3	
91 2-Nitroaniline	65	8.440	8.440	0.000	77	7595	50.0	36.3	
94 Dimethyl phthalate	163	8.575	8.575	0.000	97	36475	50.0	51.4	
95 1,3-Dinitrobenzene	168	8.604	8.604	0.000	77	3342	50.0	60.4	
96 2,6-Dinitrotoluene	165	8.628	8.628	0.000	88	6116	50.0	39.0	
97 Acenaphthylene	152	8.734	8.734	0.000	98	51353	50.0	49.5	
98 3-Nitroaniline	138	8.781	8.781	0.000	93	4838	50.0	60.9	
99 2,4-Dinitrophenol	184	8.863	8.863	0.000	80	1975	100.0	125.8	
100 Acenaphthene	153	8.875	8.875	0.000	93	35161	50.0	53.0	
101 4-Nitrophenol	109	8.893	8.893	0.000	94	6629	100.0	99.0	
102 2,4-Dinitrotoluene	165	8.975	8.975	0.000	87	7053	50.0	52.4	
104 Dibenzofuran	168	9.016	9.016	0.000	95	47163	50.0	51.9	
108 2,3,4,6-Tetrachlorophenol	232	9.116	9.116	0.000	81	5296	50.0	37.6	
111 Diethyl phthalate	149	9.157	9.157	0.000	97	37214	50.0	51.5	
110 Hexadecane	57	9.169	9.169	0.000	91	30196	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.287	9.287	0.000	97	16443	50.0	52.2	
115 4-Nitroaniline	138	9.293	9.293	0.000	79	6288	50.0	36.5	
116 Fluorene	166	9.310	9.310	0.000	96	38258	50.0	52.2	
117 4,6-Dinitro-2-methylphenol	198	9.322	9.322	0.000	74	5431	100.0	114.9	
119 Diphenylamine	169	9.375	9.381	-0.006	95	25873	42.5	40.9	
118 N-Nitrosodiphenylamine	169	9.375	9.381	-0.006	62	25873	50.0	48.1	
120 Azobenzene	77	9.422	9.422	0.000	99	41963	50.0	48.3	
128 4-Bromophenyl phenyl ether	248	9.698	9.699	-0.001	79	8178	50.0	49.4	
131 Hexachlorobenzene	284	9.787	9.787	0.000	89	9453	50.0	54.6	
130 Atrazine	200	9.798	9.799	-0.001	87	16018	100.0	97.6	
133 n-Octadecane	57	9.940	9.940	0.000	93	29121	50.0	54.8	
135 Pentachlorophenol	266	9.940	9.940	0.000	62	4998	100.0	108.5	
139 Phenanthrene	178	10.122	10.122	0.000	97	56311	50.0	54.2	
140 Anthracene	178	10.169	10.169	0.000	98	50150	50.0	49.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.281	10.281	0.000	96	48017	50.0	48.2	
144 Di-n-butyl phthalate	149	10.528	10.528	0.000	100	51131	50.0	44.7	
149 Fluoranthene	202	11.145	11.146	-0.001	99	49576	50.0	51.2	
150 Benzidine	184	11.228	11.228	0.000	97	6387	100.0	128.4	
151 Pyrene	202	11.369	11.369	0.000	97	52083	50.0	50.9	
157 Butyl benzyl phthalate	149	11.957	11.957	0.000	96	16800	50.0	57.1	
163 3,3'-Dichlorobenzidine	252	12.651	12.645	0.006	78	16192	100.0	99.5	
162 Bis(2-ethylhexyl) phthalate	149	12.651	12.651	0.000	96	21413	50.0	51.0	
164 Benzo[a]anthracene	228	12.722	12.716	0.006	98	42926	50.0	49.6	
165 Chrysene	228	12.769	12.769	0.000	97	41469	50.0	48.4	
167 Di-n-octyl phthalate	149	13.569	13.569	0.000	99	22008	50.0	66.4	
169 Benzo[b]fluoranthene	252	14.281	14.275	0.006	98	26777	50.0	44.4	
170 Benzo[k]fluoranthene	252	14.316	14.316	0.000	97	40141	50.0	49.7	
171 Benzo[a]pyrene	252	14.792	14.787	0.006	80	26393	50.0	45.2	
175 Indeno[1,2,3-cd]pyrene	276	16.604	16.598	0.006	92	29815	50.0	45.5	
176 Dibenz(a,h)anthracene	278	16.616	16.616	0.000	72	21748	50.0	42.3	
177 Benzo[g,h,i]perylene	276	17.086	17.086	0.000	93	27270	50.0	46.1	
S 202 Methyl Phenols,Total	100				0			111.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

SMLIST1 L2 W_00025 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 13:14:19 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627009.D

Injection Date: 27-Jun-2025 10:38:17 Instrument ID: A4AG3 Operator ID:

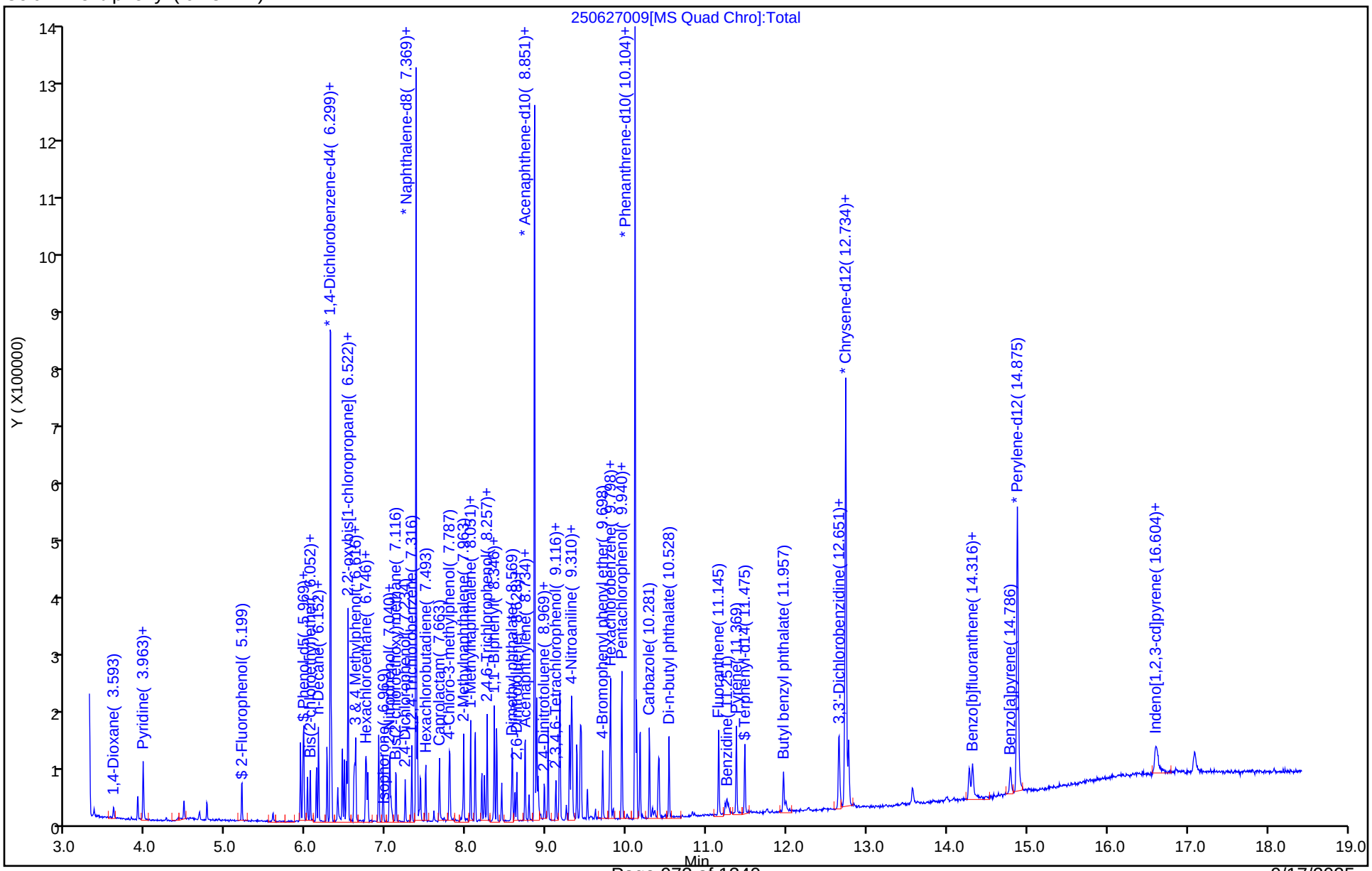
Lims ID: std2 lst1 Worklist Smp#: 9

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



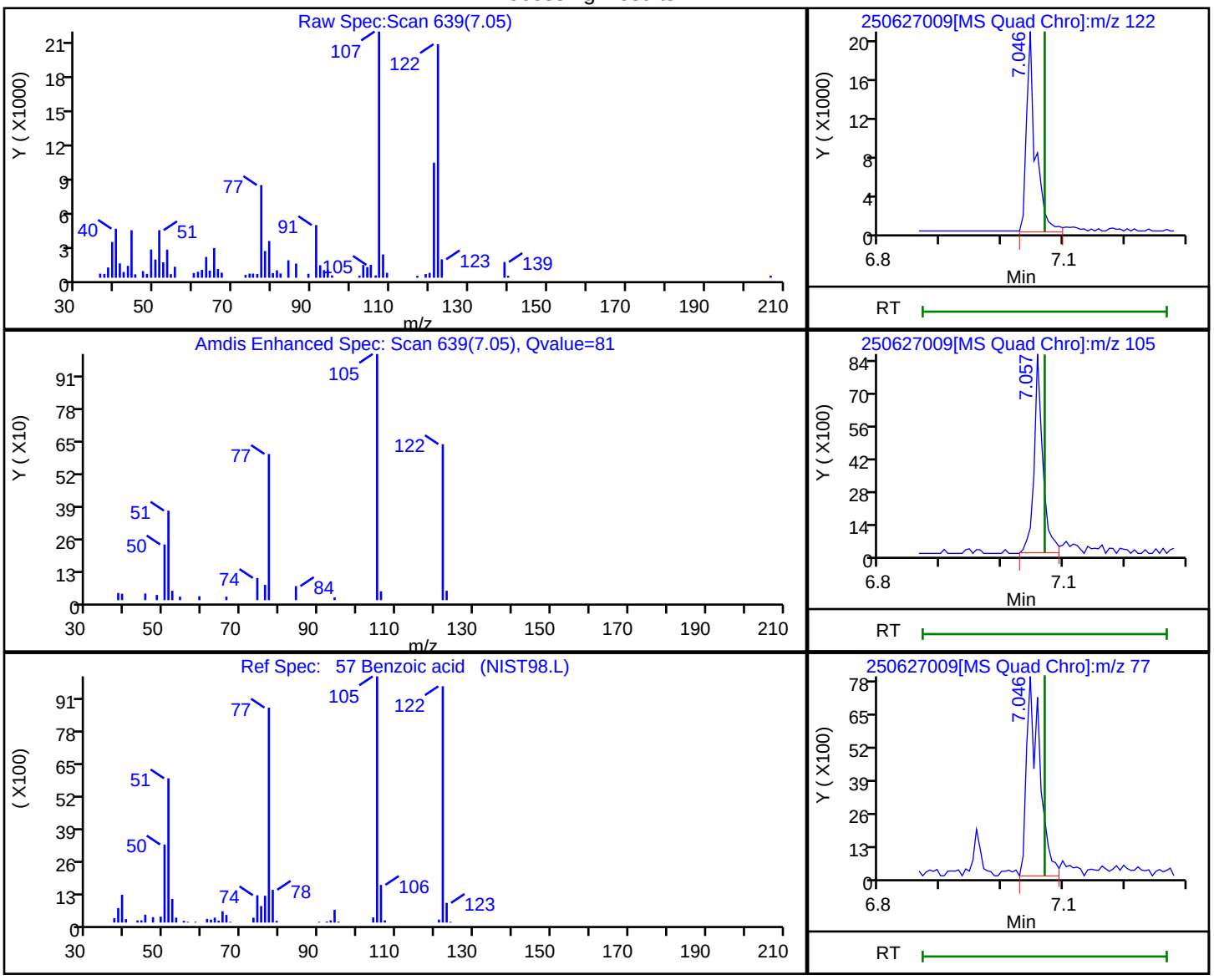
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627009.D				
Injection Date:	27-Jun-2025 10:38:17	Instrument ID:	A4AG3		
Lims ID:	std2 lst1				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

57 Benzoic acid, CAS: 65-85-0

Processing Results



RT	Mass	Response	Amount
7.05	122.00	20423	115.1621
7.06	105.00	8627	
7.05	77.00	11921	

Reviewer: KDZ4, 27-Jun-2025 10:59:12 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627010.D
Lims ID: std1 lst1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Jun-2025 11:00:53 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD1 LST1
Misc. Info.: 240-0156317-010
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 13:14:22 Calib Date: 27-Jun-2025 12:53:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627015.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 12:49:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.305	0.000	97	94142	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	381746	400.0	400.0	
* 3 Acenaphthene-d10	164	8.851	8.852	-0.001	92	229886	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.104	0.000	97	364486	400.0	400.0	
* 5 Chrysene-d12	240	12.739	12.734	0.005	99	253579	400.0	400.0	
* 6 Perylene-d12	264	14.881	14.875	0.006	96	230111	400.0	400.0	
$ 7 2-Fluorophenol	112	5.199	5.193	0.006	91	2101	10.0	9.24	
$ 8 Phenol-d5	99	5.957	5.958	-0.001	0	3056	10.0	8.30	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	94	3534	10.0	8.93	
$ 10 2-Fluorobiphenyl (Surr)	172	8.257	8.257	0.000	98	7883	10.0	10.5	
$ 11 2,4,6-Tribromophenol	330		9.510				ND	ND	
$ 12 Terphenyl-d14	244	11.475	11.475	0.000	96	9918	10.0	11.2	
15 Pyridine	79	3.969	3.958	0.011	91	4164	20.0	17.5	
26 Benzaldehyde	77	5.928	5.928	0.000	96	6547	20.0	27.7	
64 Naphthalene	128	7.387	7.387	0.000	97	10662	10.0	10.4	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	88	1406	10.0	9.93	
72 Caprolactam	113	7.663	7.669	-0.006	77	1681	20.0	15.2	
76 2-Methylnaphthalene	142	7.969	7.963	0.006	91	5111	10.0	8.50	
79 1-Methylnaphthalene	142	8.051	8.052	-0.001	92	5769	10.0	9.11	
88 1,1'-Biphenyl	154	8.346	8.346	0.000	95	7932	10.0	9.28	
89 2-Chloronaphthalene	162	8.381	8.375	0.006	97	5701	10.0	8.74	
97 Acenaphthylene	152	8.734	8.734	0.000	98	9092	10.0	8.73	
100 Acenaphthene	153	8.875	8.875	0.000	95	6950	10.0	10.4	
104 Dibenzofuran	168	9.022	9.016	0.006	95	8961	10.0	9.82	
116 Fluorene	166	9.310	9.310	0.000	95	6807	10.0	9.25	
131 Hexachlorobenzene	284	9.793	9.787	0.006	84	1614	10.0	9.19	
130 Atrazine	200	9.798	9.799	-0.001	84	2593	20.0	15.6	
139 Phenanthrene	178	10.122	10.122	0.000	96	10787	10.0	10.2	
140 Anthracene	178	10.169	10.169	0.000	97	8857	10.0	8.63	
149 Fluoranthene	202	11.151	11.146	0.005	98	8133	10.0	8.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
151 Pyrene	202	11.369	11.369	0.000	97	9426	10.0	9.69	
164 Benzo[a]anthracene	228	12.728	12.716	0.012	95	7400	10.0	8.99	
165 Chrysene	228	12.775	12.769	0.006	96	8345	10.0	10.2	
169 Benzo[b]fluoranthene	252	14.281	14.275	0.006	95	4348	10.0	10.2	
170 Benzo[k]fluoranthene	252	14.316	14.316	0.000	95	5961	10.0	7.77	a
171 Benzo[a]pyrene	252	14.792	14.787	0.006	82	4060	10.0	10.2	
175 Indeno[1,2,3-cd]pyrene	276	16.616	16.598	0.018	0	3656	10.0	10.2	M
176 Dibenz(a,h)anthracene	278	16.633	16.616	0.017	0	3104	10.0	10.3	M
177 Benzo[g,h,i]perylene	276	17.104	17.086	0.018	0	3966	10.0	10.2	M

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SMLIST1 L1+ W_00019 Amount Added: 0.10 Units: mL

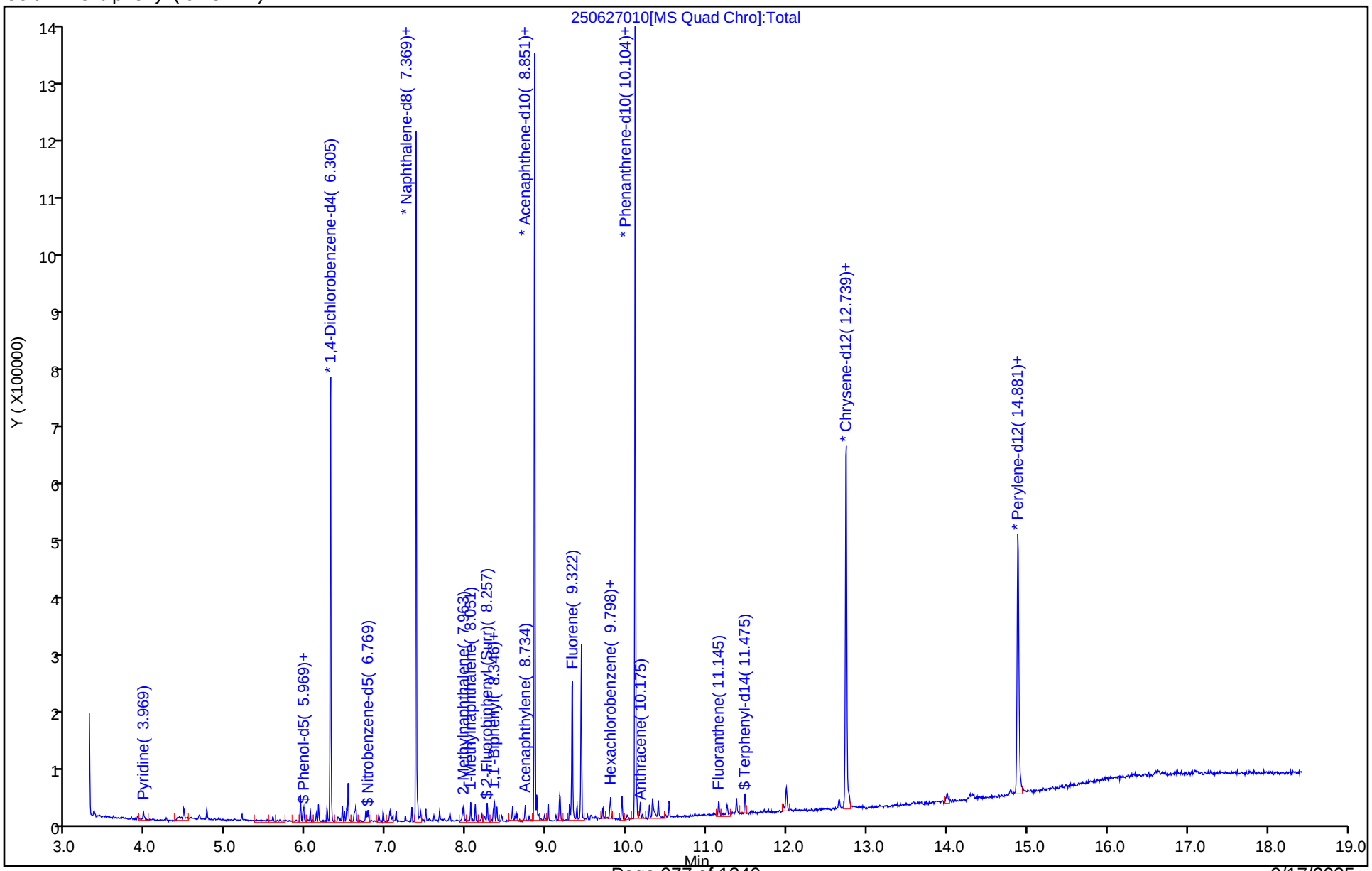
Report Date: 27-Jun-2025 13:14:23 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627010.D

Injection Date:	27-Jun-2025 11:00:53	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	std1 lst1			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



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Manual Integration/User Assign Peak Report

Eurofins Cleveland

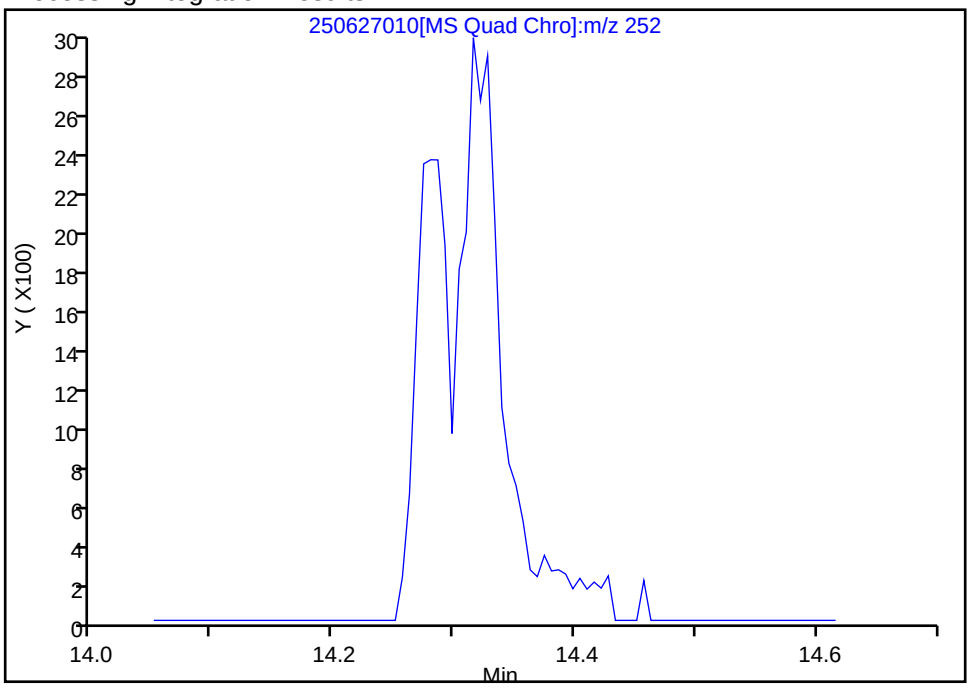
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Injection Date:	27-Jun-2025 11:00:53	Instrument ID:	A4AG3		
Lims ID:	std1 lst1				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

170 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

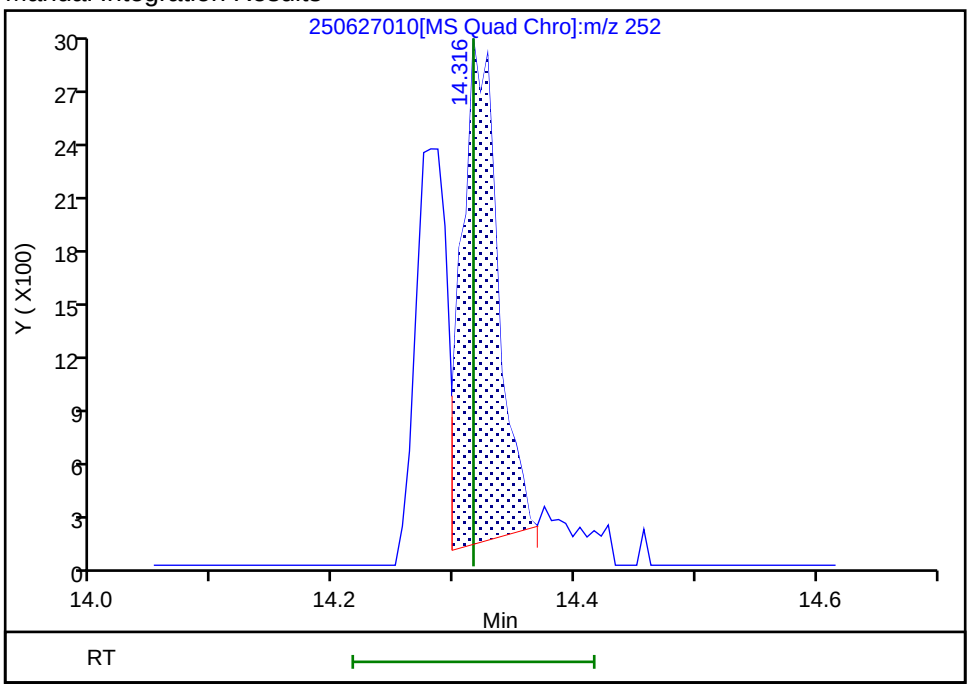
Not Detected
Expected RT: 14.32

Processing Integration Results



Manual Integration Results

RT: 14.32
Area: 5961
Amount: 7.767952
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 12:49:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

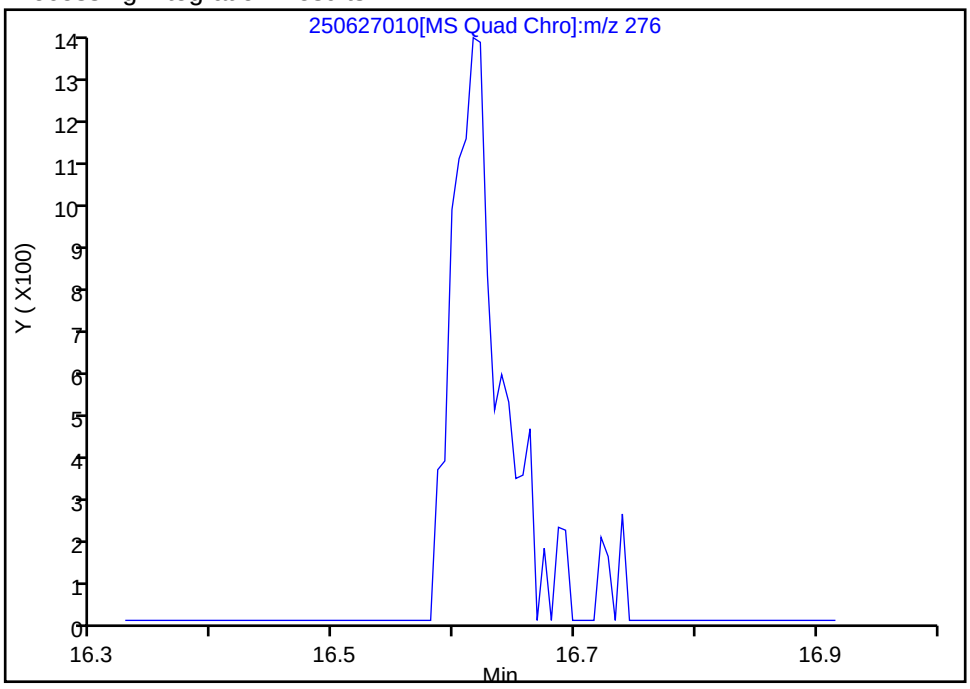
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Injection Date:	27-Jun-2025 11:00:53	Instrument ID:	A4AG3		
Lims ID:	std1 lst1				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

175 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

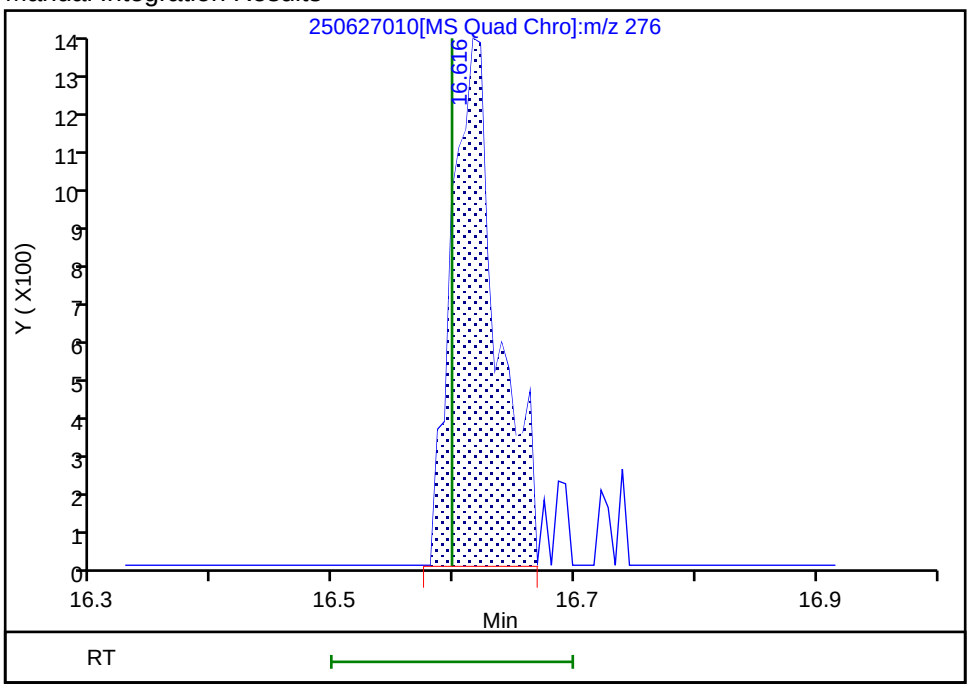
Not Detected
Expected RT: 16.60

Processing Integration Results



Manual Integration Results

RT: 16.62
Area: 3656
Amount: 10.212672
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 12:49:16 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

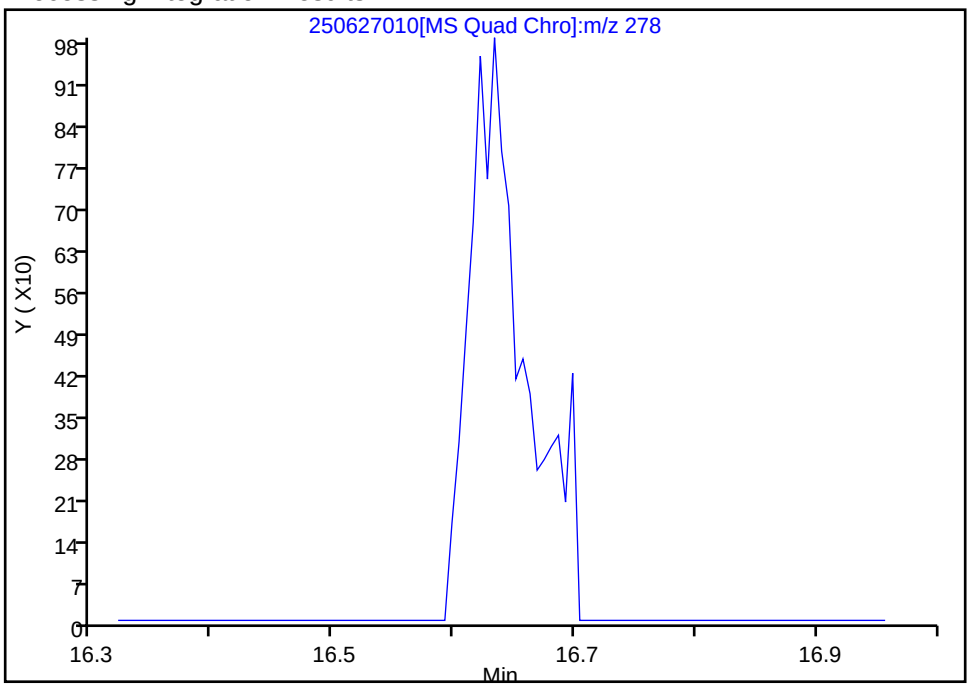
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Injection Date:	27-Jun-2025 11:00:53	Instrument ID:	A4AG3		
Lims ID:	std1 lst1				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

176 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

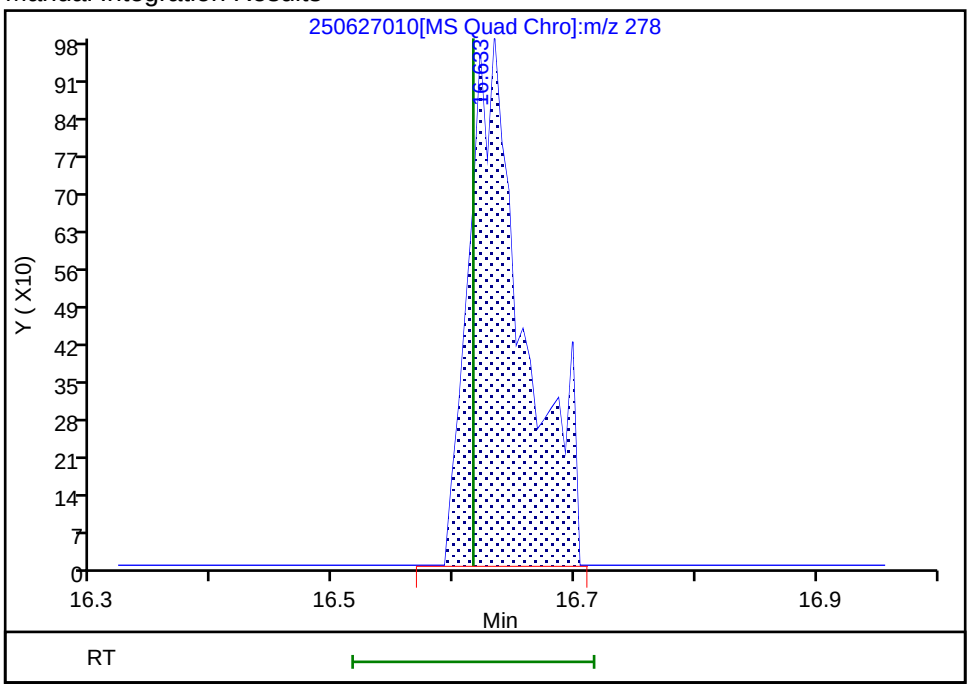
Not Detected
Expected RT: 16.62

Processing Integration Results



Manual Integration Results

RT: 16.63
Area: 3104
Amount: 10.336923
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 12:49:21 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

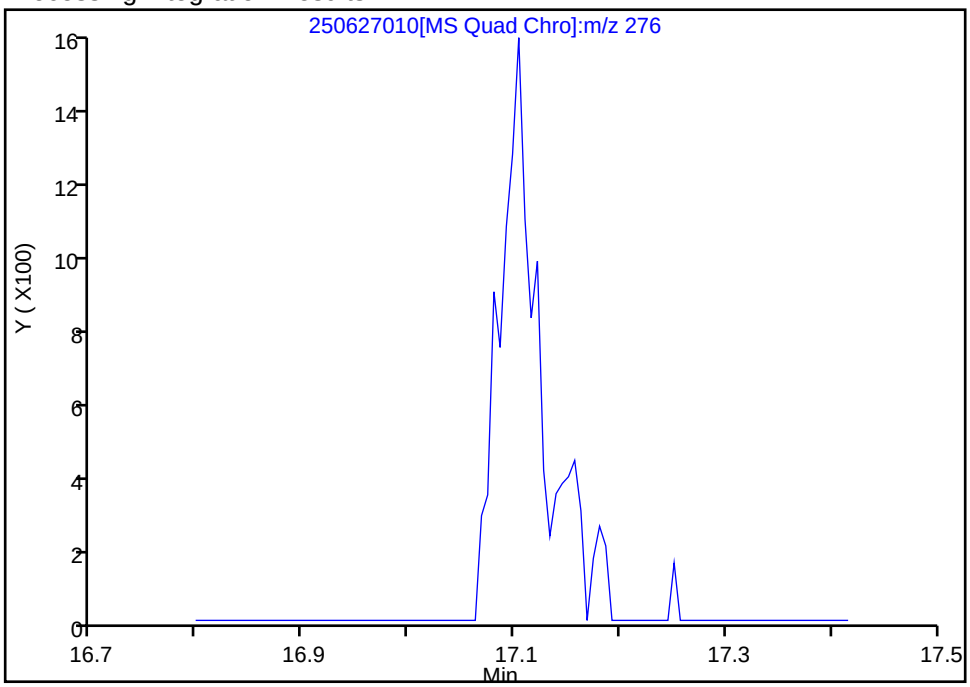
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627010.D				
Injection Date:	27-Jun-2025 11:00:53	Instrument ID:	A4AG3		
Lims ID:	std1 lst1				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

177 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

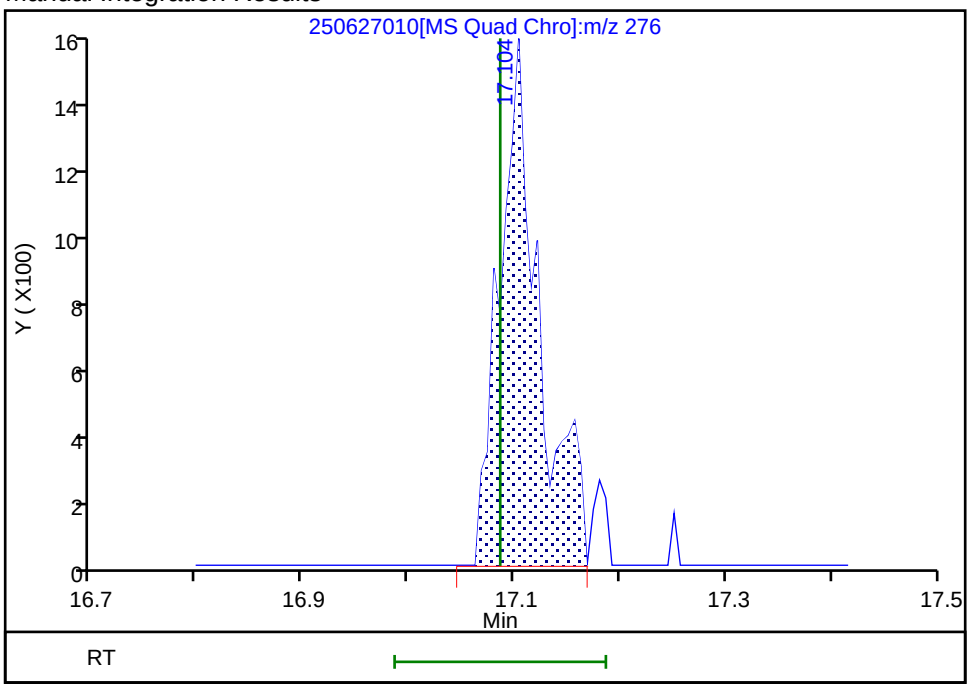
Not Detected
Expected RT: 17.09

Processing Integration Results



Manual Integration Results

RT: 17.10
Area: 3966
Amount: 10.176228
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 12:49:25 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

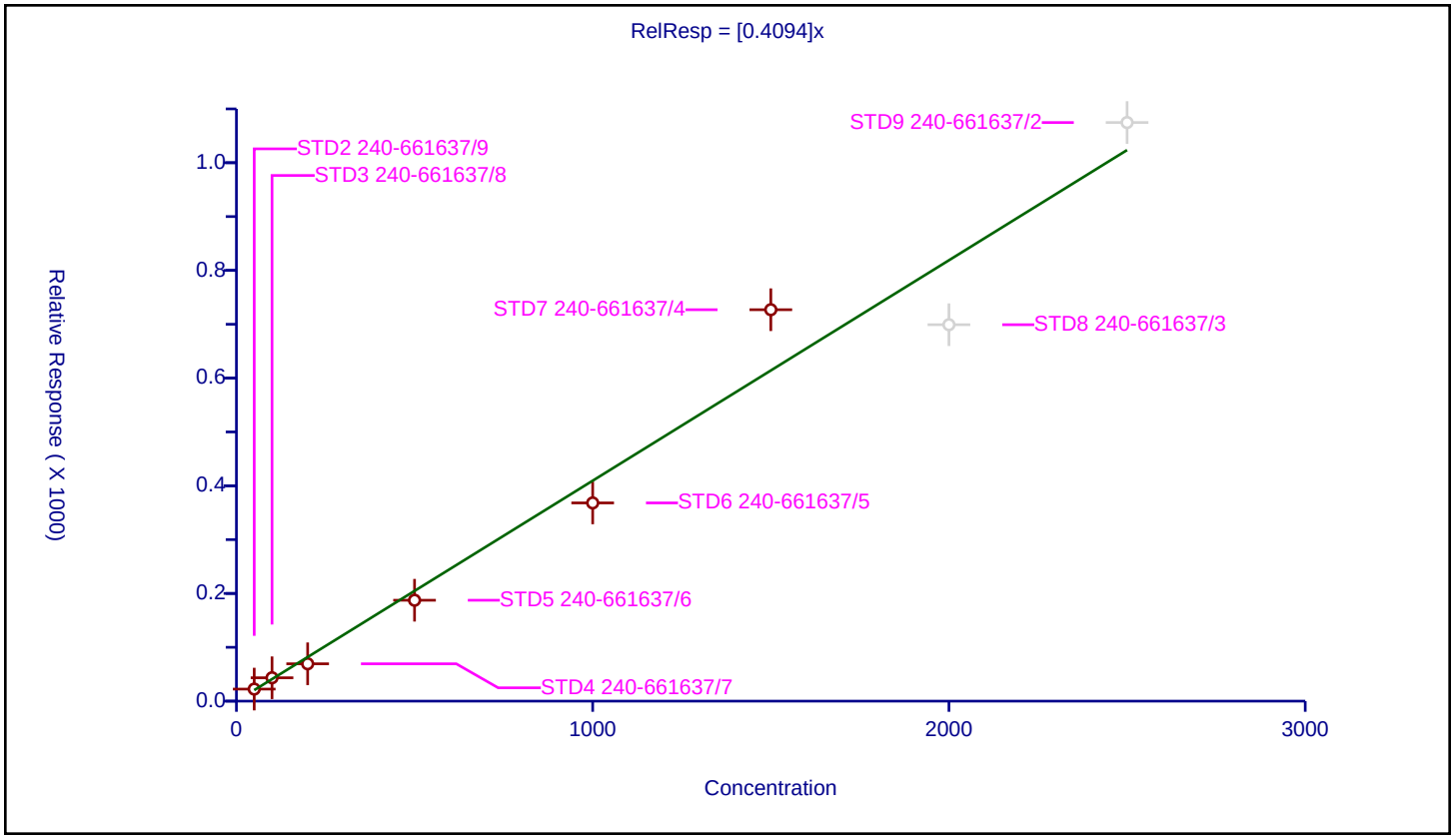
Curve Coefficients

Intercept:	0
Slope:	0.4094

Error Coefficients

Relative Standard Deviation:	13.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	22.391724	400.0	107111.0	0.447834	Y
2	STD3 240-661637/8	100.0	43.416095	400.0	98194.0	0.434161	Y
3	STD4 240-661637/7	200.0	69.386036	400.0	102107.0	0.34693	Y
4	STD5 240-661637/6	500.0	187.387155	400.0	108778.0	0.374774	Y
5	STD6 240-661637/5	1000.0	368.149522	400.0	108934.0	0.36815	Y
6	STD7 240-661637/4	1500.0	726.990976	400.0	98733.0	0.484661	Y
7	STD8 240-661637/3	2000.0	699.14683	400.0	113928.0	0.349573	N
8	STD9 240-661637/2	2500.0	1074.666501	400.0	112669.0	0.429867	N



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Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

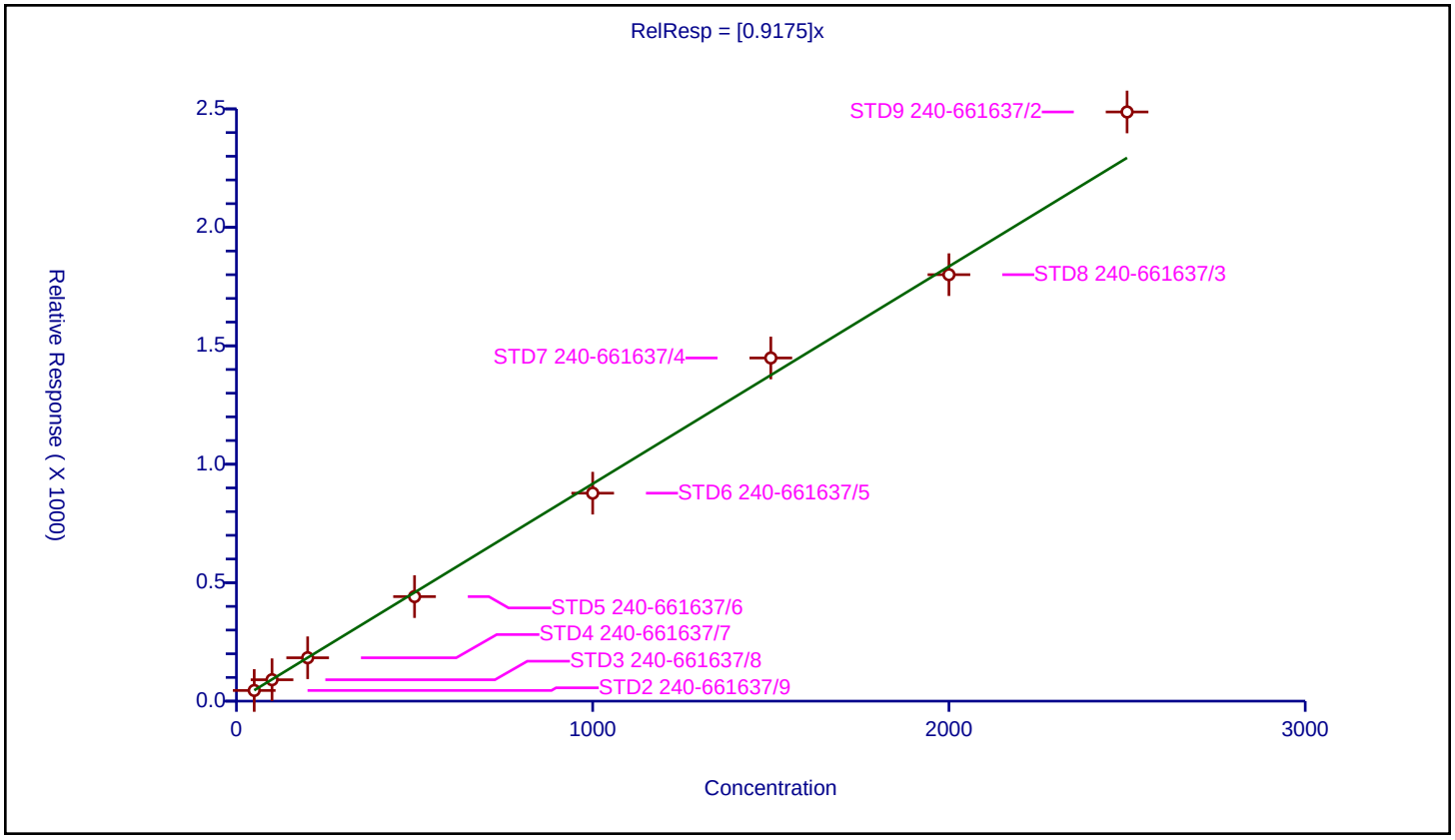
Curve Coefficients

Intercept:	0
Slope:	0.9175

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	45.000047	400.0	107111.0	0.900001	Y
2	STD3 240-661637/8	100.0	90.282502	400.0	98194.0	0.902825	Y
3	STD4 240-661637/7	200.0	183.137297	400.0	102107.0	0.915686	Y
4	STD5 240-661637/6	500.0	441.247311	400.0	108778.0	0.882495	Y
5	STD6 240-661637/5	1000.0	877.926084	400.0	108934.0	0.877926	Y
6	STD7 240-661637/4	1500.0	1448.593682	400.0	98733.0	0.965729	Y
7	STD8 240-661637/3	2000.0	1800.277368	400.0	113928.0	0.900139	Y
8	STD9 240-661637/2	2500.0	2487.044351	400.0	112669.0	0.994818	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

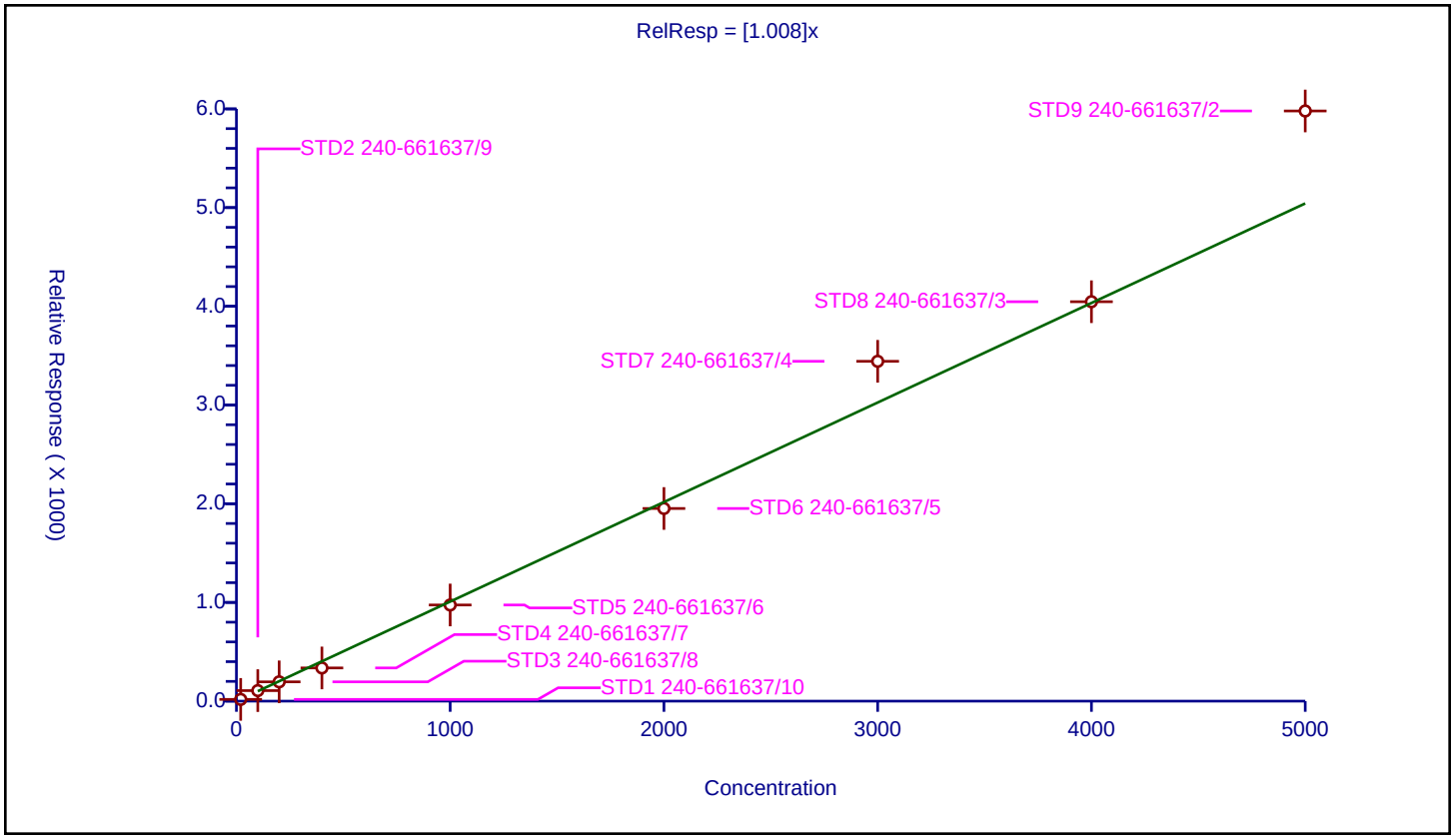
Curve Coefficients

Intercept:	0
Slope:	1.008

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	20.0	17.692422	400.0	94142.0	0.884621	Y
2	STD2 240-661637/9	100.0	106.730401	400.0	107111.0	1.067304	Y
3	STD3 240-661637/8	200.0	195.576104	400.0	98194.0	0.977881	Y
4	STD4 240-661637/7	400.0	336.427473	400.0	102107.0	0.841069	Y
5	STD5 240-661637/6	1000.0	974.101381	400.0	108778.0	0.974101	Y
6	STD6 240-661637/5	2000.0	1951.761617	400.0	108934.0	0.975881	Y
7	STD7 240-661637/4	3000.0	3442.816485	400.0	98733.0	1.147605	Y
8	STD8 240-661637/3	4000.0	4046.446879	400.0	113928.0	1.011612	Y
9	STD9 240-661637/2	5000.0	5978.861976	400.0	112669.0	1.195772	Y



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Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

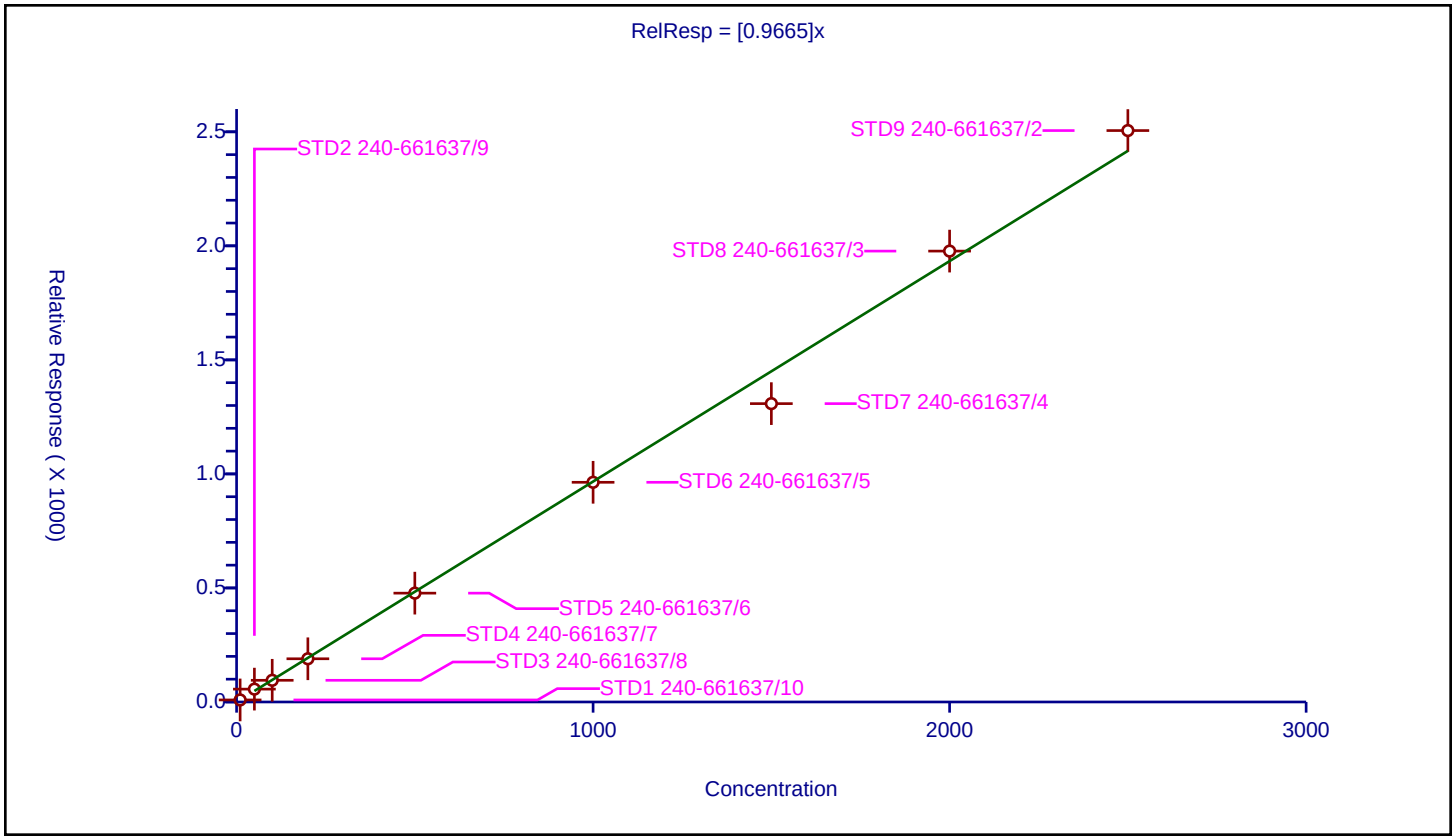
Curve Coefficients

Intercept:	0
Slope:	0.9665

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	8.92694	400.0	94142.0	0.892694	Y
2	STD2 240-661637/9	50.0	56.367693	400.0	107111.0	1.127354	Y
3	STD3 240-661637/8	100.0	95.081166	400.0	98194.0	0.950812	Y
4	STD4 240-661637/7	200.0	189.483581	400.0	102107.0	0.947418	Y
5	STD5 240-661637/6	500.0	477.225174	400.0	108778.0	0.95445	Y
6	STD6 240-661637/5	1000.0	963.335598	400.0	108934.0	0.963336	Y
7	STD7 240-661637/4	1500.0	1308.186726	400.0	98733.0	0.872124	Y
8	STD8 240-661637/3	2000.0	1977.073239	400.0	113928.0	0.988537	Y
9	STD9 240-661637/2	2500.0	2505.55166	400.0	112669.0	1.002221	Y



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Calibration / Benzaldehyde

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

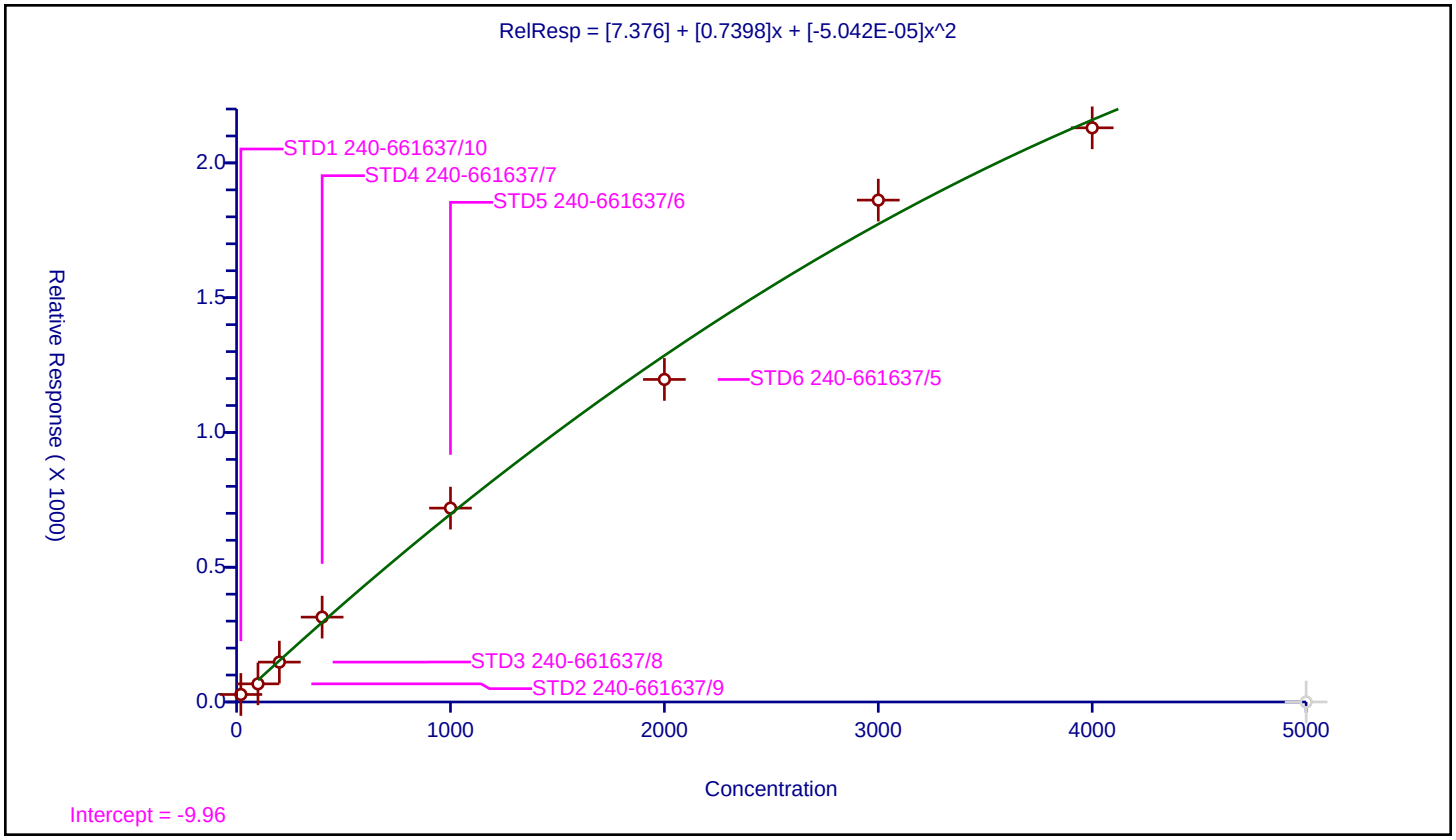
Curve Coefficients

Intercept:	7.376
Slope:	0.7398
Second Order:	-5.042E-05

Error Coefficients

Relative Standard Deviation:	20.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	20.0	27.817552	400.0	94142.0	1.390878	Y
2	STD2 240-661637/9	100.0	67.358161	400.0	107111.0	0.673582	Y
3	STD3 240-661637/8	200.0	147.996823	400.0	98194.0	0.739984	Y
4	STD4 240-661637/7	400.0	314.850108	400.0	102107.0	0.787125	Y
5	STD5 240-661637/6	1000.0	719.296181	400.0	108778.0	0.719296	Y
6	STD6 240-661637/5	2000.0	1196.640167	400.0	108934.0	0.59832	Y
7	STD7 240-661637/4	3000.0	1862.035996	400.0	98733.0	0.620679	Y
8	STD8 240-661637/3	4000.0	2130.222597	400.0	113928.0	0.532556	Y
9	STD9 240-661637/2	5000.0	0.0	400.0	112669.0	0.0	N



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Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

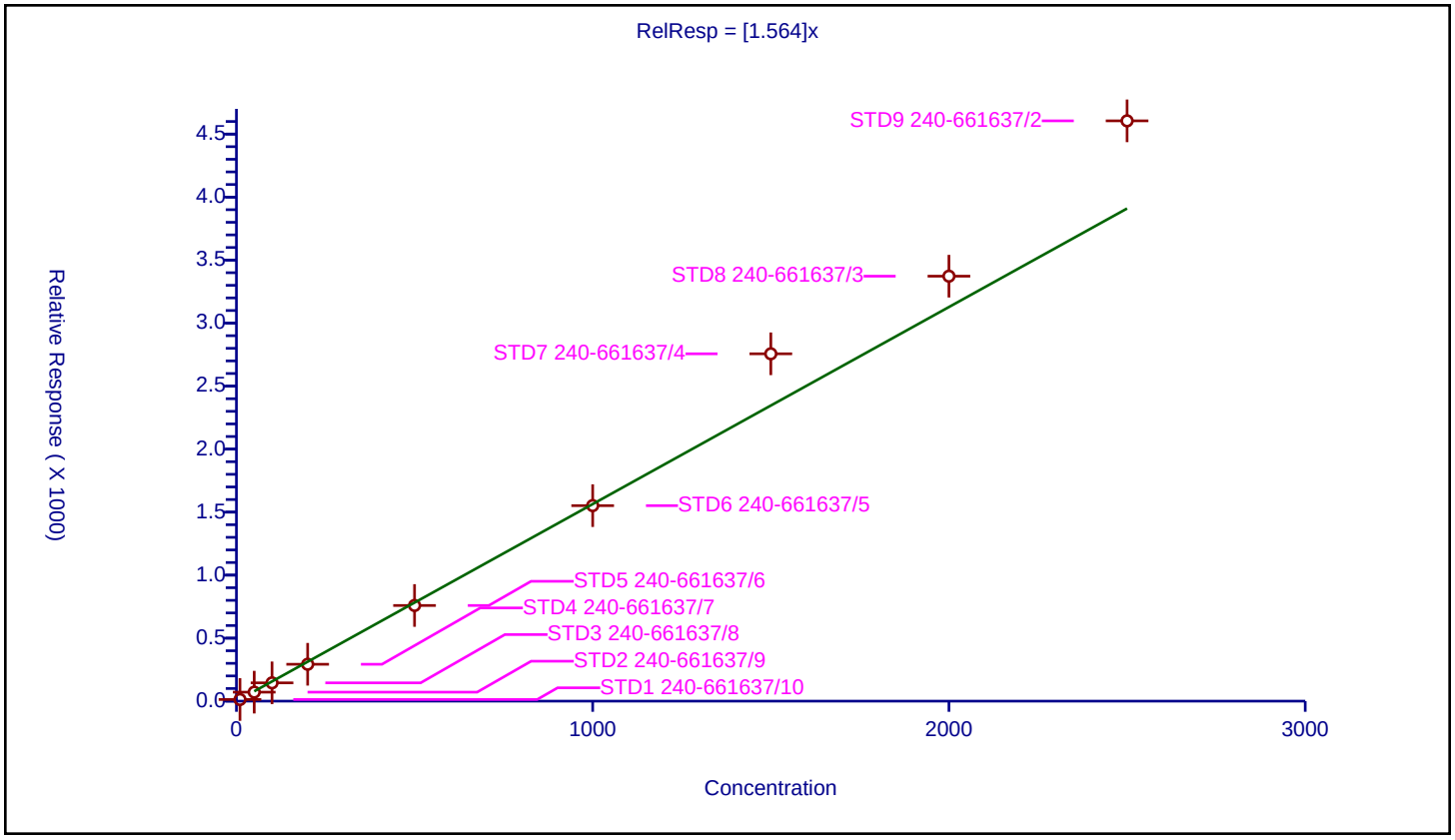
Curve Coefficients

Intercept:	0
Slope:	1.564

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	12.98464	400.0	94142.0	1.298464	Y
2	STD2 240-661637/9	50.0	71.316671	400.0	107111.0	1.426333	Y
3	STD3 240-661637/8	100.0	145.11681	400.0	98194.0	1.451168	Y
4	STD4 240-661637/7	200.0	292.544096	400.0	102107.0	1.46272	Y
5	STD5 240-661637/6	500.0	759.171891	400.0	108778.0	1.518344	Y
6	STD6 240-661637/5	1000.0	1551.478877	400.0	108934.0	1.551479	Y
7	STD7 240-661637/4	1500.0	2756.464404	400.0	98733.0	1.837643	Y
8	STD8 240-661637/3	2000.0	3372.389579	400.0	113928.0	1.686195	Y
9	STD9 240-661637/2	2500.0	4604.996938	400.0	112669.0	1.841999	Y



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Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

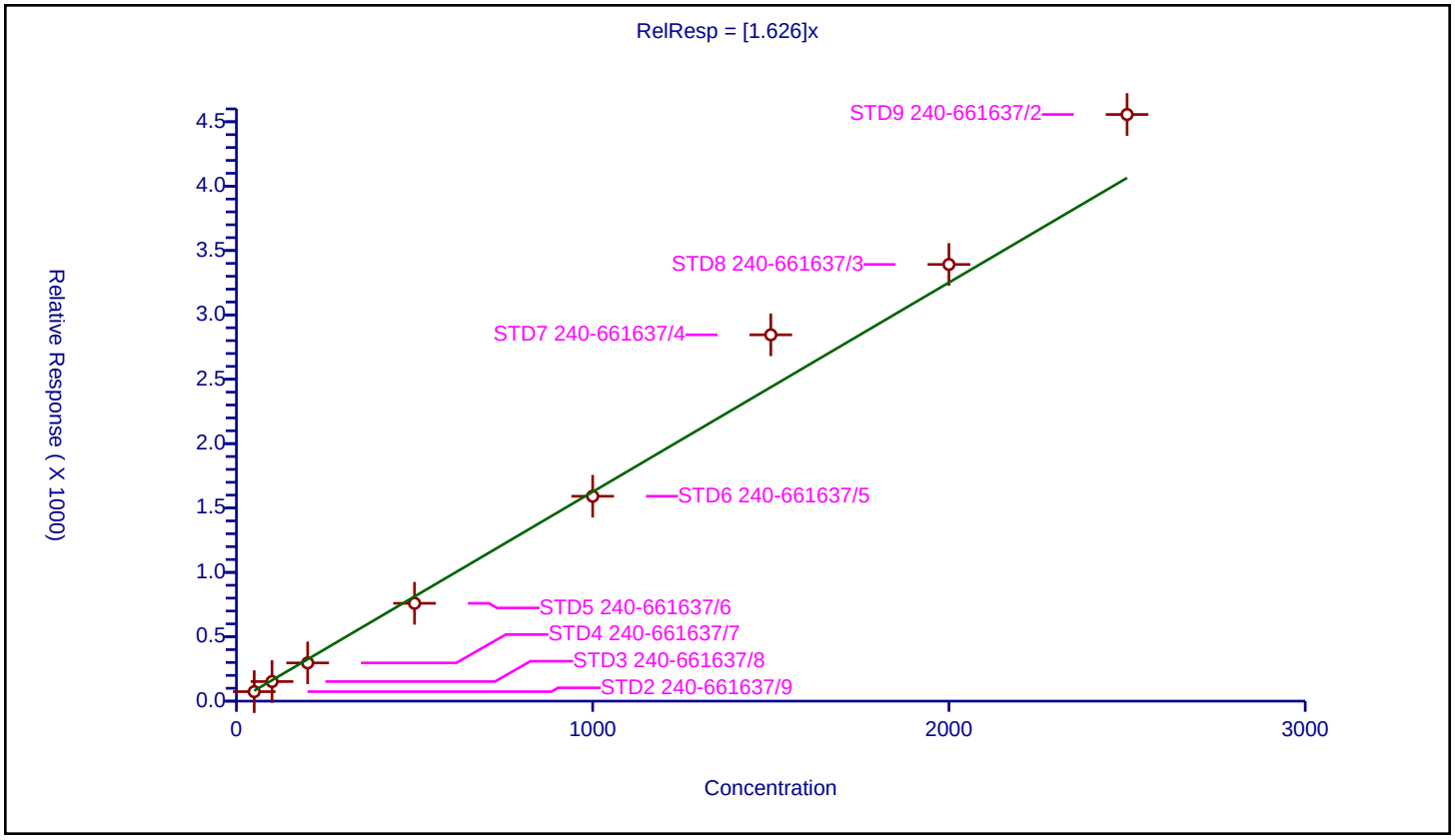
Curve Coefficients

Intercept:	0
Slope:	1.626

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	73.680574	400.0	107111.0	1.473611	Y
2	STD3 240-661637/8	100.0	152.074465	400.0	98194.0	1.520745	Y
3	STD4 240-661637/7	200.0	296.857218	400.0	102107.0	1.484286	Y
4	STD5 240-661637/6	500.0	759.911011	400.0	108778.0	1.519822	Y
5	STD6 240-661637/5	1000.0	1591.411313	400.0	108934.0	1.591411	Y
6	STD7 240-661637/4	1500.0	2845.383003	400.0	98733.0	1.896922	Y
7	STD8 240-661637/3	2000.0	3391.664911	400.0	113928.0	1.695832	Y
8	STD9 240-661637/2	2500.0	4556.515102	400.0	112669.0	1.822606	Y



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Calibration / Aniline

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

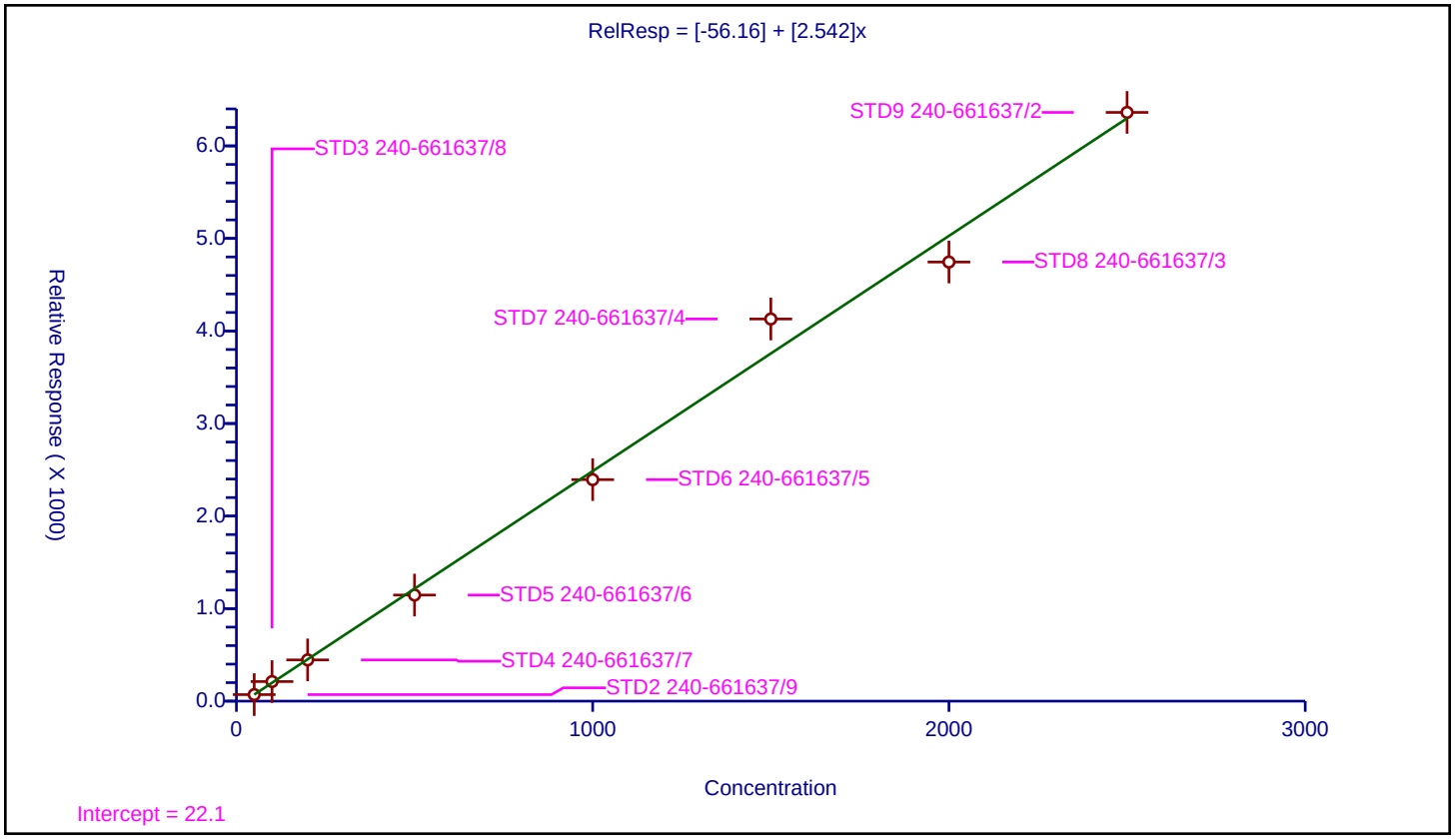
Curve Coefficients

Intercept:	-56.16
Slope:	2.542

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	70.595924	400.0	107111.0	1.411918	Y
2	STD3 240-661637/8	100.0	211.658553	400.0	98194.0	2.116586	Y
3	STD4 240-661637/7	200.0	445.548297	400.0	102107.0	2.227741	Y
4	STD5 240-661637/6	500.0	1146.400927	400.0	108778.0	2.292802	Y
5	STD6 240-661637/5	1000.0	2393.541043	400.0	108934.0	2.393541	Y
6	STD7 240-661637/4	1500.0	4129.816779	400.0	98733.0	2.753211	Y
7	STD8 240-661637/3	2000.0	4744.993329	400.0	113928.0	2.372497	Y
8	STD9 240-661637/2	2500.0	6361.934516	400.0	112669.0	2.544774	Y



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

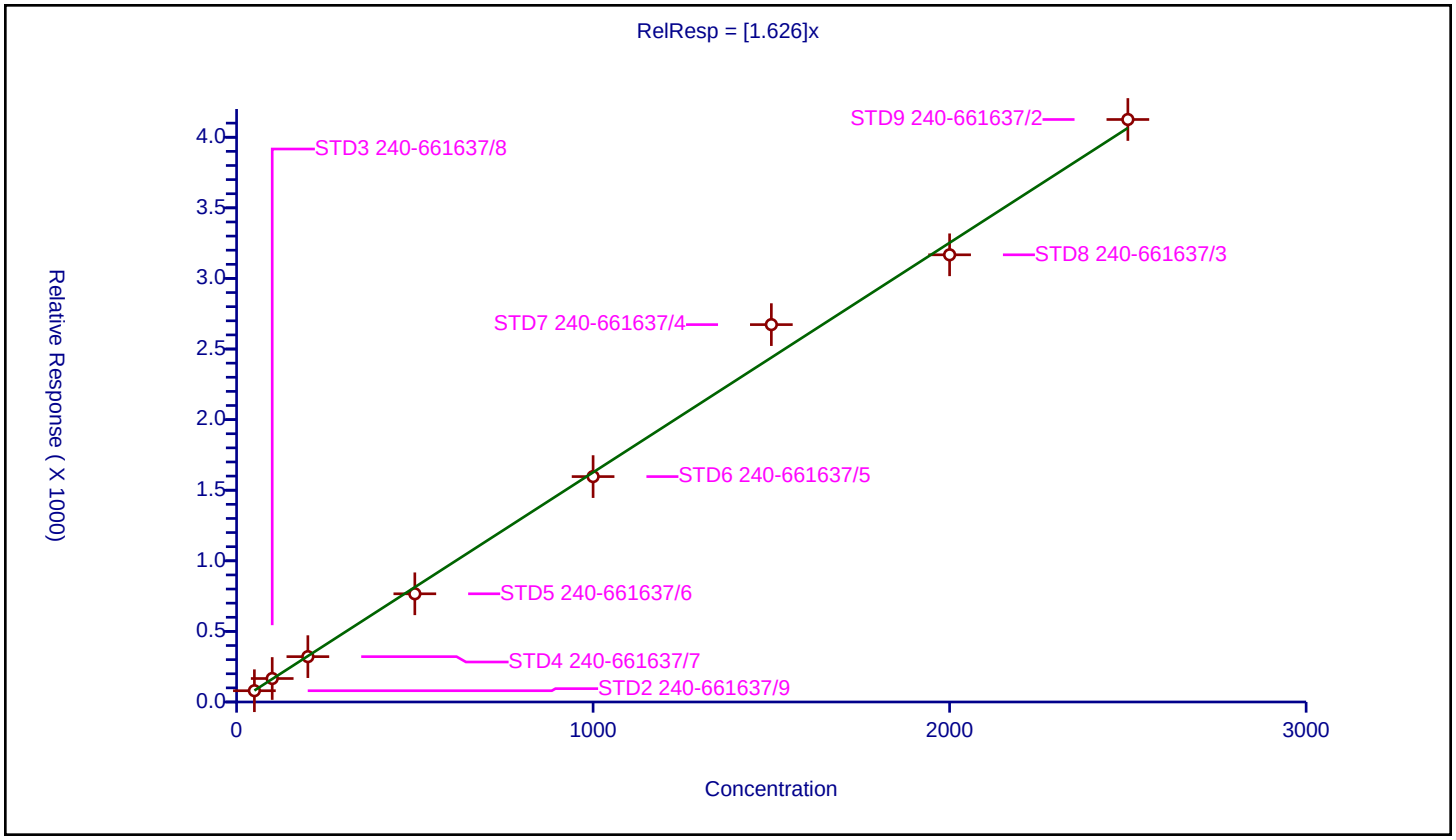
Curve Coefficients

Intercept:	0
Slope:	1.626

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	79.801328	400.0	107111.0	1.596027	Y
2	STD3 240-661637/8	100.0	166.331955	400.0	98194.0	1.66332	Y
3	STD4 240-661637/7	200.0	321.247319	400.0	102107.0	1.606237	Y
4	STD5 240-661637/6	500.0	766.316718	400.0	108778.0	1.532633	Y
5	STD6 240-661637/5	1000.0	1596.405163	400.0	108934.0	1.596405	Y
6	STD7 240-661637/4	1500.0	2672.966485	400.0	98733.0	1.781978	Y
7	STD8 240-661637/3	2000.0	3167.42504	400.0	113928.0	1.583713	Y
8	STD9 240-661637/2	2500.0	4125.677871	400.0	112669.0	1.650271	Y



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Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

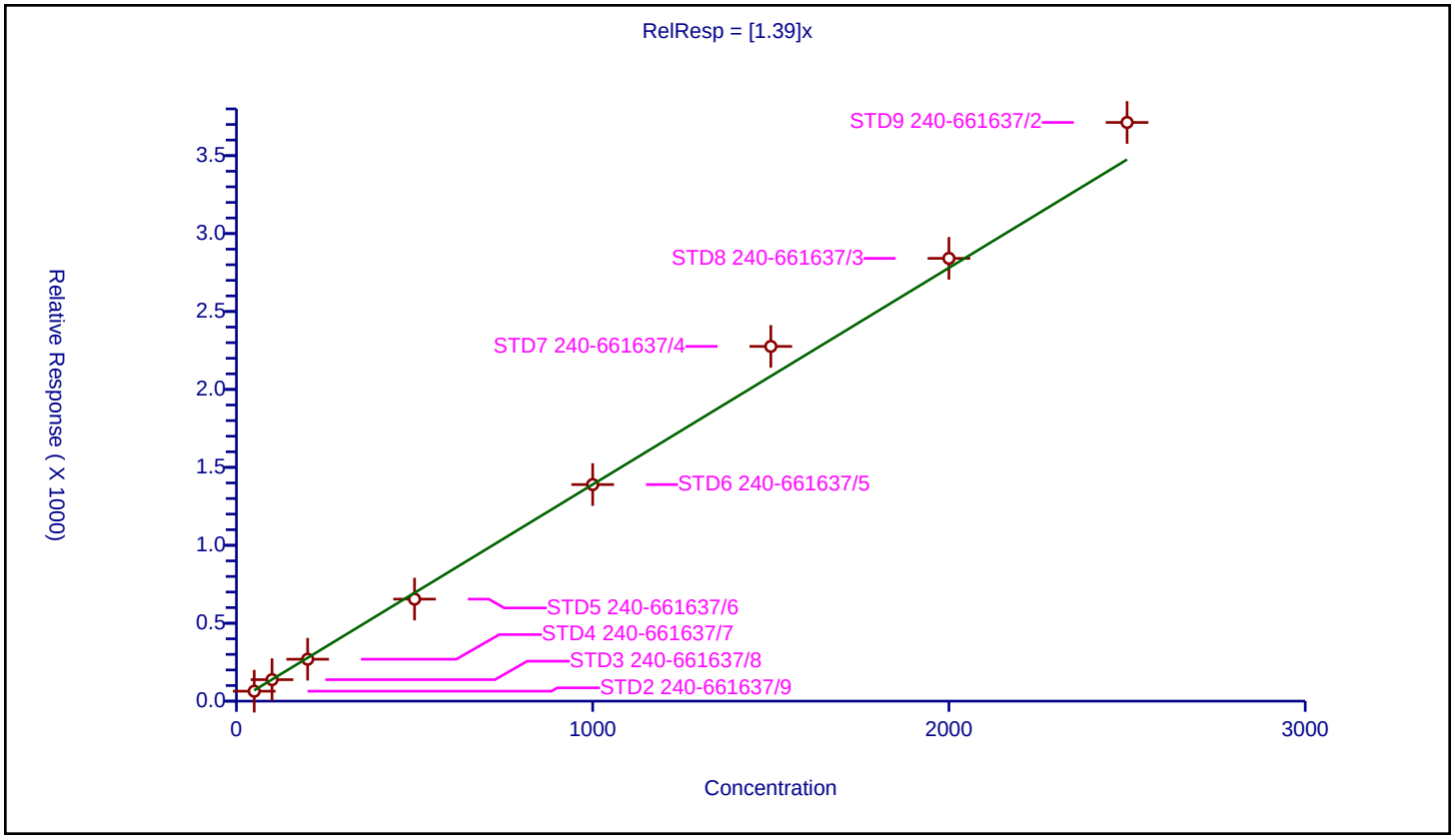
Curve Coefficients

Intercept:	0
Slope:	1.39

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	63.784299	400.0	107111.0	1.275686	Y
2	STD3 240-661637/8	100.0	137.80068	400.0	98194.0	1.378007	Y
3	STD4 240-661637/7	200.0	268.972744	400.0	102107.0	1.344864	Y
4	STD5 240-661637/6	500.0	654.555149	400.0	108778.0	1.30911	Y
5	STD6 240-661637/5	1000.0	1389.645106	400.0	108934.0	1.389645	Y
6	STD7 240-661637/4	1500.0	2275.992829	400.0	98733.0	1.517329	Y
7	STD8 240-661637/3	2000.0	2840.885472	400.0	113928.0	1.420443	Y
8	STD9 240-661637/2	2500.0	3712.971625	400.0	112669.0	1.485189	Y



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Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

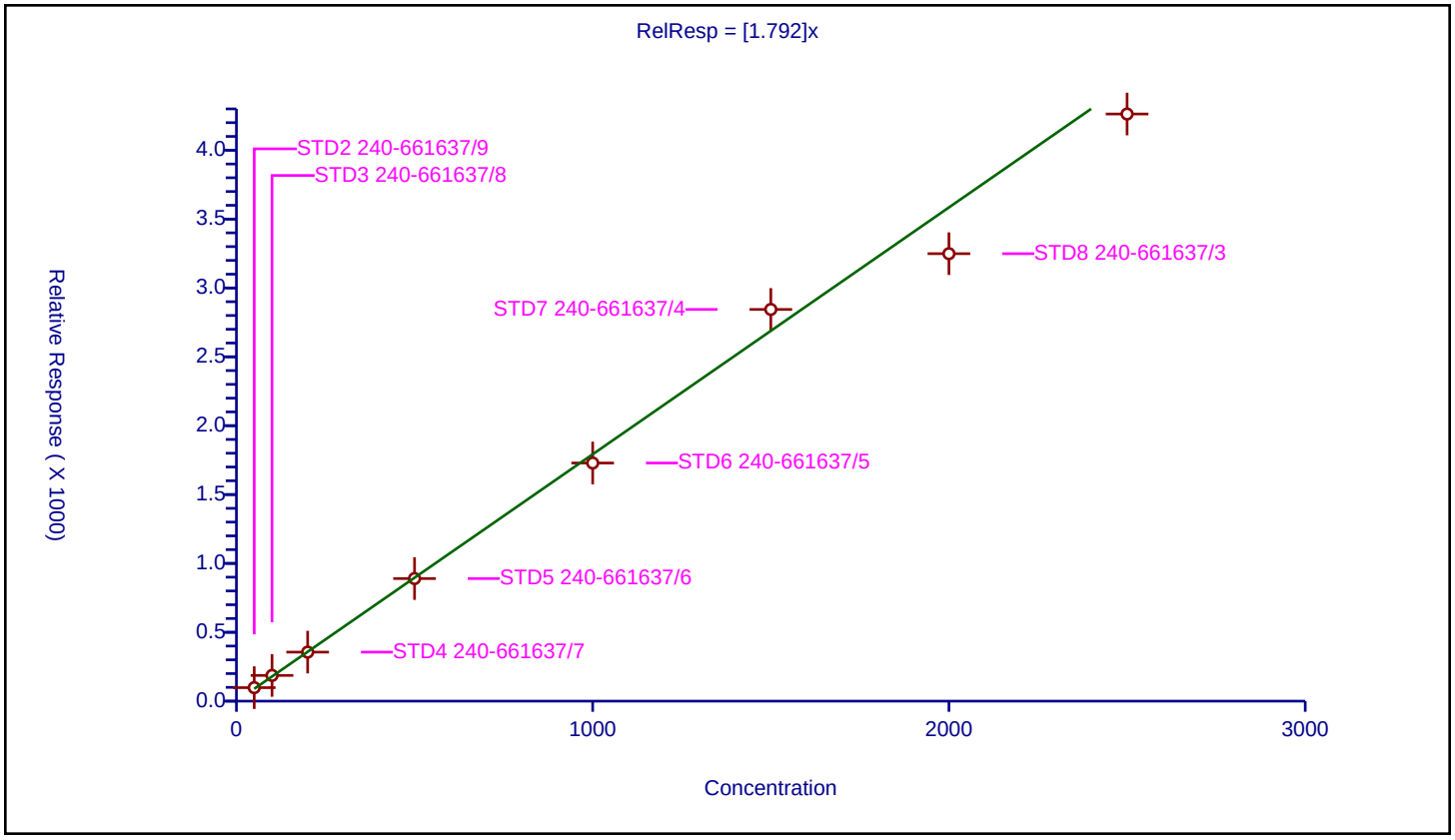
Curve Coefficients

Intercept:	0
Slope:	1.792

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	97.868566	400.0	107111.0	1.957371	Y
2	STD3 240-661637/8	100.0	186.671283	400.0	98194.0	1.866713	Y
3	STD4 240-661637/7	200.0	355.995182	400.0	102107.0	1.779976	Y
4	STD5 240-661637/6	500.0	890.010848	400.0	108778.0	1.780022	Y
5	STD6 240-661637/5	1000.0	1728.848661	400.0	108934.0	1.728849	Y
6	STD7 240-661637/4	1500.0	2843.940729	400.0	98733.0	1.89596	Y
7	STD8 240-661637/3	2000.0	3248.830841	400.0	113928.0	1.624415	Y
8	STD9 240-661637/2	2500.0	4262.940117	400.0	112669.0	1.705176	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

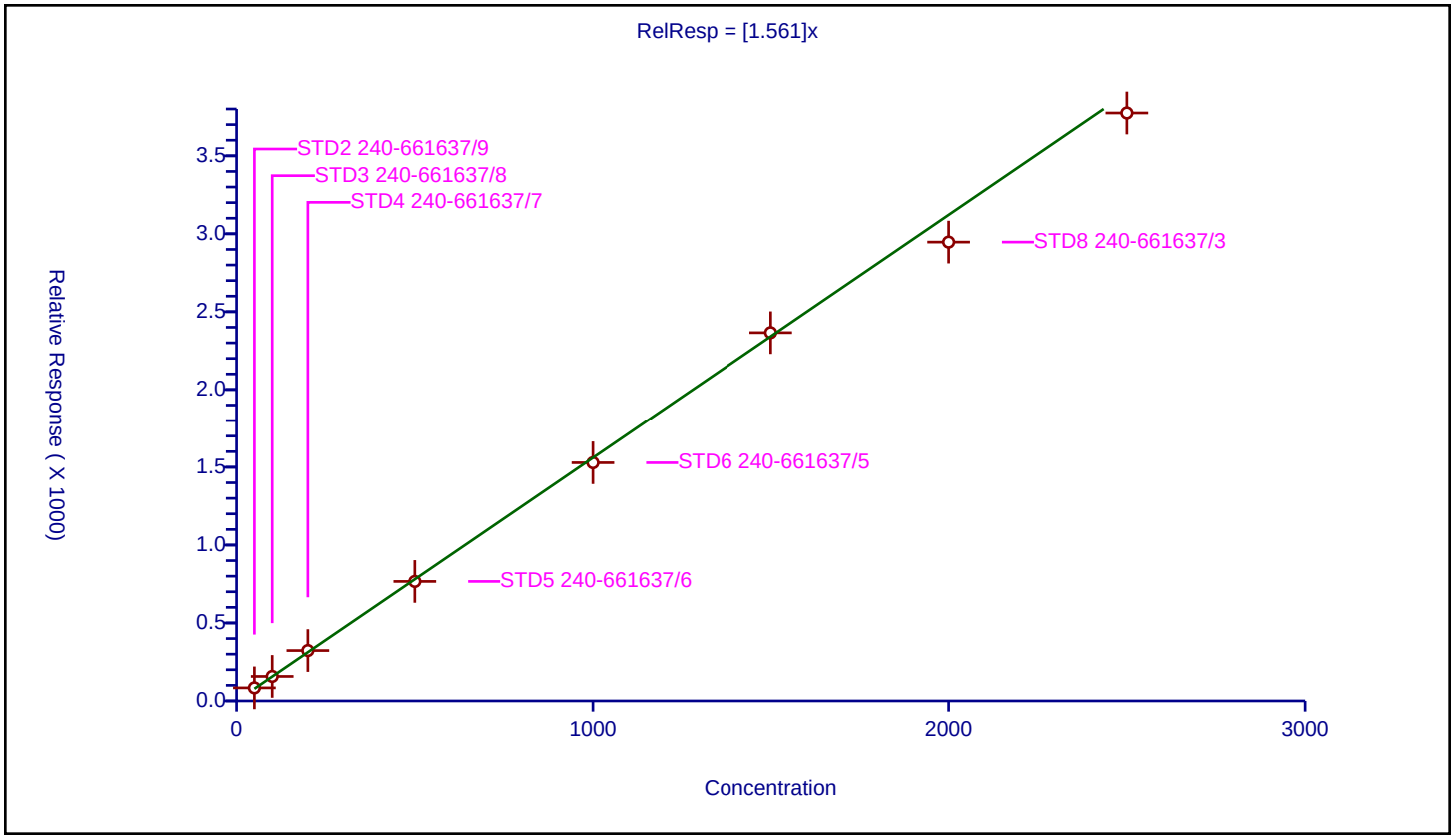
Curve Coefficients

Intercept:	0
Slope:	1.561

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	83.81212	400.0	107111.0	1.676242	Y
2	STD3 240-661637/8	100.0	157.166426	400.0	98194.0	1.571664	Y
3	STD4 240-661637/7	200.0	323.108112	400.0	102107.0	1.615541	Y
4	STD5 240-661637/6	500.0	766.294655	400.0	108778.0	1.532589	Y
5	STD6 240-661637/5	1000.0	1528.635688	400.0	108934.0	1.528636	Y
6	STD7 240-661637/4	1500.0	2365.409741	400.0	98733.0	1.57694	Y
7	STD8 240-661637/3	2000.0	2946.885752	400.0	113928.0	1.473443	Y
8	STD9 240-661637/2	2500.0	3774.340768	400.0	112669.0	1.509736	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

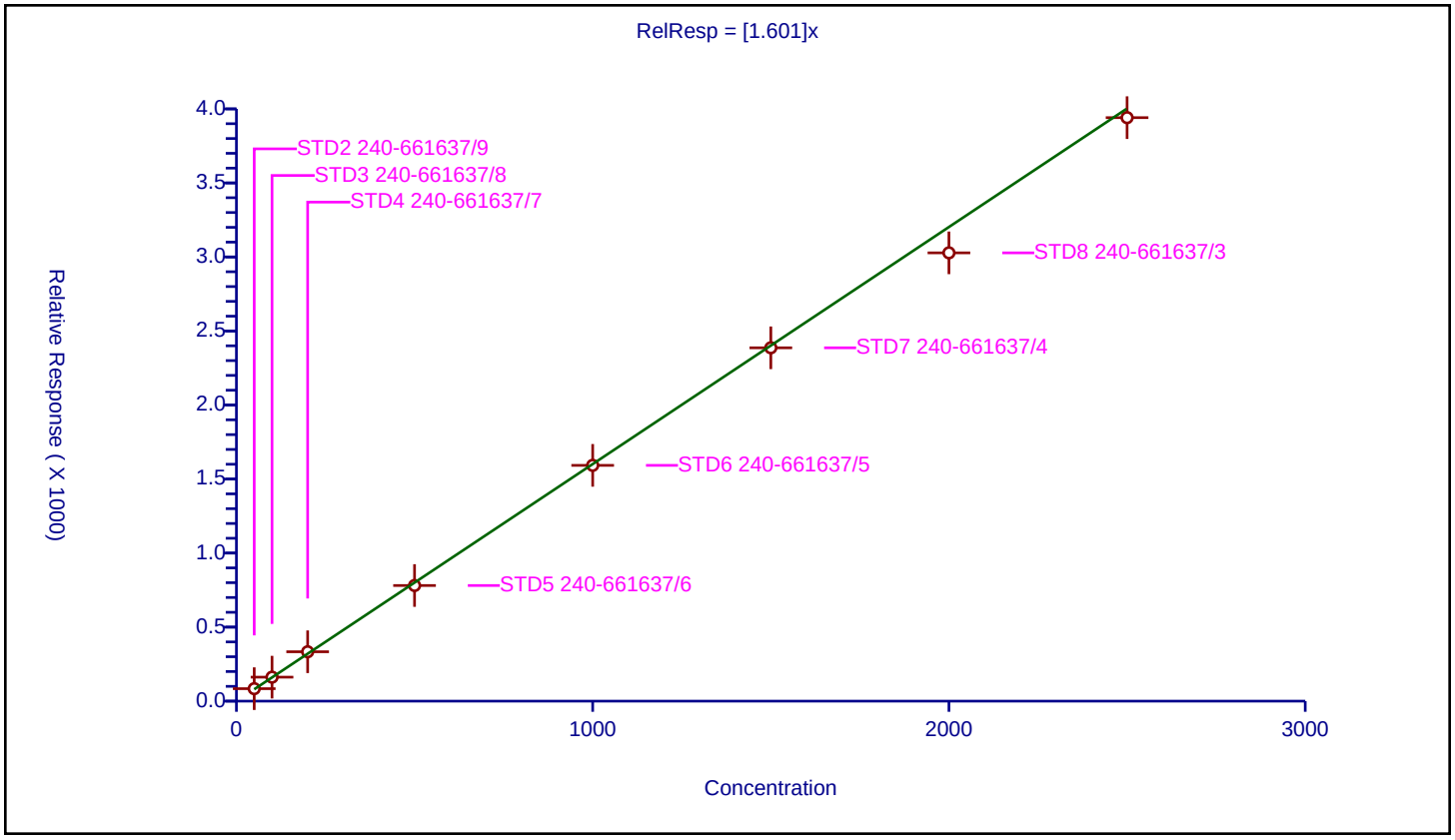
Curve Coefficients

Intercept:	0
Slope:	1.601

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	84.260253	400.0	107111.0	1.685205	Y
2	STD3 240-661637/8	100.0	162.026193	400.0	98194.0	1.620262	Y
3	STD4 240-661637/7	200.0	333.505049	400.0	102107.0	1.667525	Y
4	STD5 240-661637/6	500.0	780.937322	400.0	108778.0	1.561875	Y
5	STD6 240-661637/5	1000.0	1592.465162	400.0	108934.0	1.592465	Y
6	STD7 240-661637/4	1500.0	2386.480711	400.0	98733.0	1.590987	Y
7	STD8 240-661637/3	2000.0	3027.761393	400.0	113928.0	1.513881	Y
8	STD9 240-661637/2	2500.0	3940.842645	400.0	112669.0	1.576337	Y



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Calibration / Benzyl alcohol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

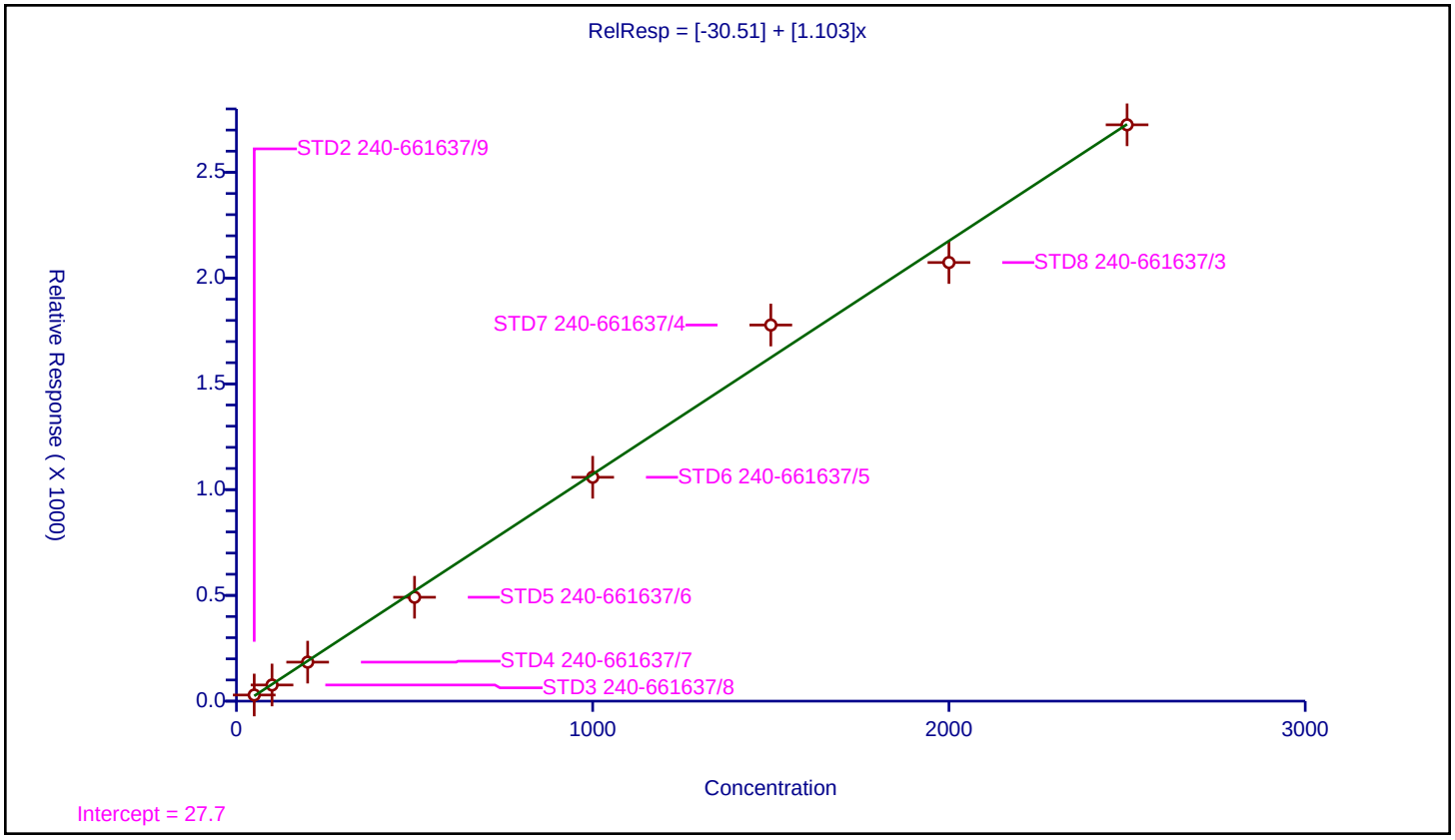
Curve Coefficients

Intercept:	-30.51
Slope:	1.103

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	28.979283	400.0	107111.0	0.579586	Y
2	STD3 240-661637/8	100.0	76.412001	400.0	98194.0	0.76412	Y
3	STD4 240-661637/7	200.0	184.390884	400.0	102107.0	0.921954	Y
4	STD5 240-661637/6	500.0	491.084594	400.0	108778.0	0.982169	Y
5	STD6 240-661637/5	1000.0	1058.446399	400.0	108934.0	1.058446	Y
6	STD7 240-661637/4	1500.0	1778.177509	400.0	98733.0	1.185452	Y
7	STD8 240-661637/3	2000.0	2073.713222	400.0	113928.0	1.036857	Y
8	STD9 240-661637/2	2500.0	2724.834693	400.0	112669.0	1.089934	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

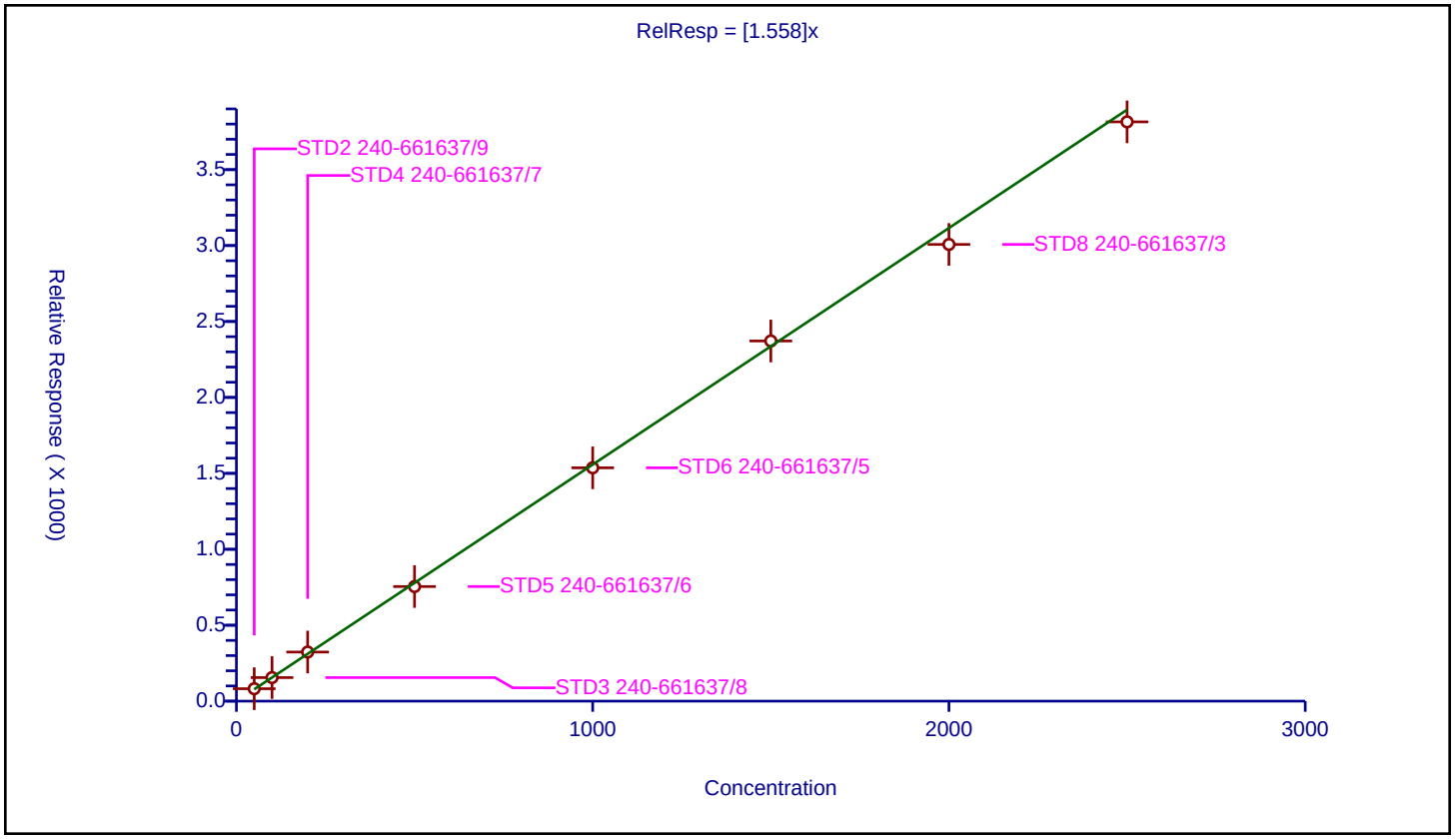
Curve Coefficients

Intercept:	0
Slope:	1.558

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	81.840334	400.0	107111.0	1.636807	Y
2	STD3 240-661637/8	100.0	155.198892	400.0	98194.0	1.551989	Y
3	STD4 240-661637/7	200.0	323.378417	400.0	102107.0	1.616892	Y
4	STD5 240-661637/6	500.0	754.641564	400.0	108778.0	1.509283	Y
5	STD6 240-661637/5	1000.0	1536.453265	400.0	108934.0	1.536453	Y
6	STD7 240-661637/4	1500.0	2371.58802	400.0	98733.0	1.581059	Y
7	STD8 240-661637/3	2000.0	3007.390633	400.0	113928.0	1.503695	Y
8	STD9 240-661637/2	2500.0	3814.522184	400.0	112669.0	1.525809	Y



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Calibration / 2-Methylphenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

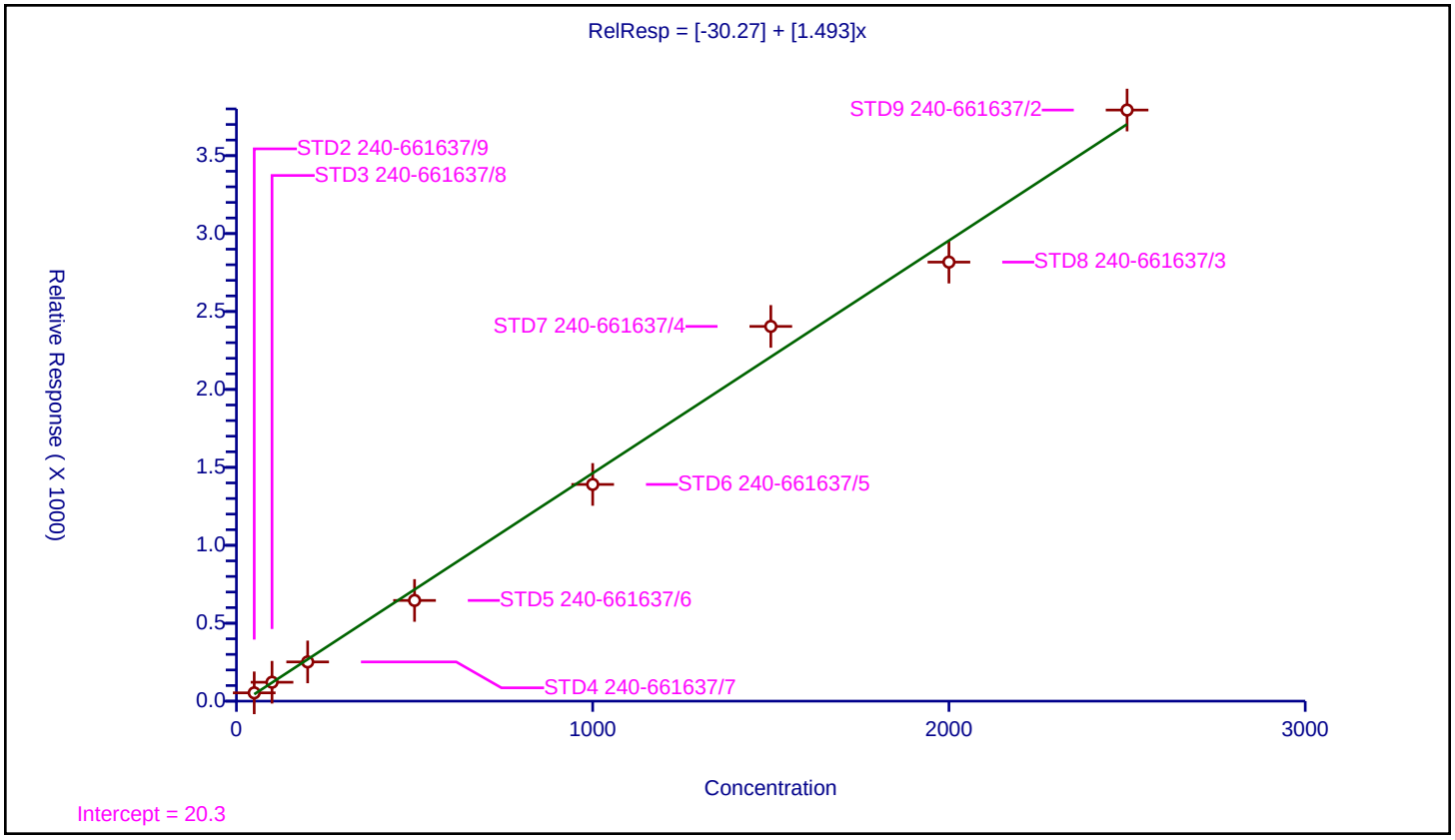
Curve Coefficients

Intercept:	-30.27
Slope:	1.493

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	53.189682	400.0	107111.0	1.063794	Y
2	STD3 240-661637/8	100.0	121.221256	400.0	98194.0	1.212213	Y
3	STD4 240-661637/7	200.0	251.575308	400.0	102107.0	1.257877	Y
4	STD5 240-661637/6	500.0	646.005626	400.0	108778.0	1.292011	Y
5	STD6 240-661637/5	1000.0	1390.496998	400.0	108934.0	1.390497	Y
6	STD7 240-661637/4	1500.0	2404.318718	400.0	98733.0	1.602879	Y
7	STD8 240-661637/3	2000.0	2816.922969	400.0	113928.0	1.408461	Y
8	STD9 240-661637/2	2500.0	3792.617313	400.0	112669.0	1.517047	Y



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Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

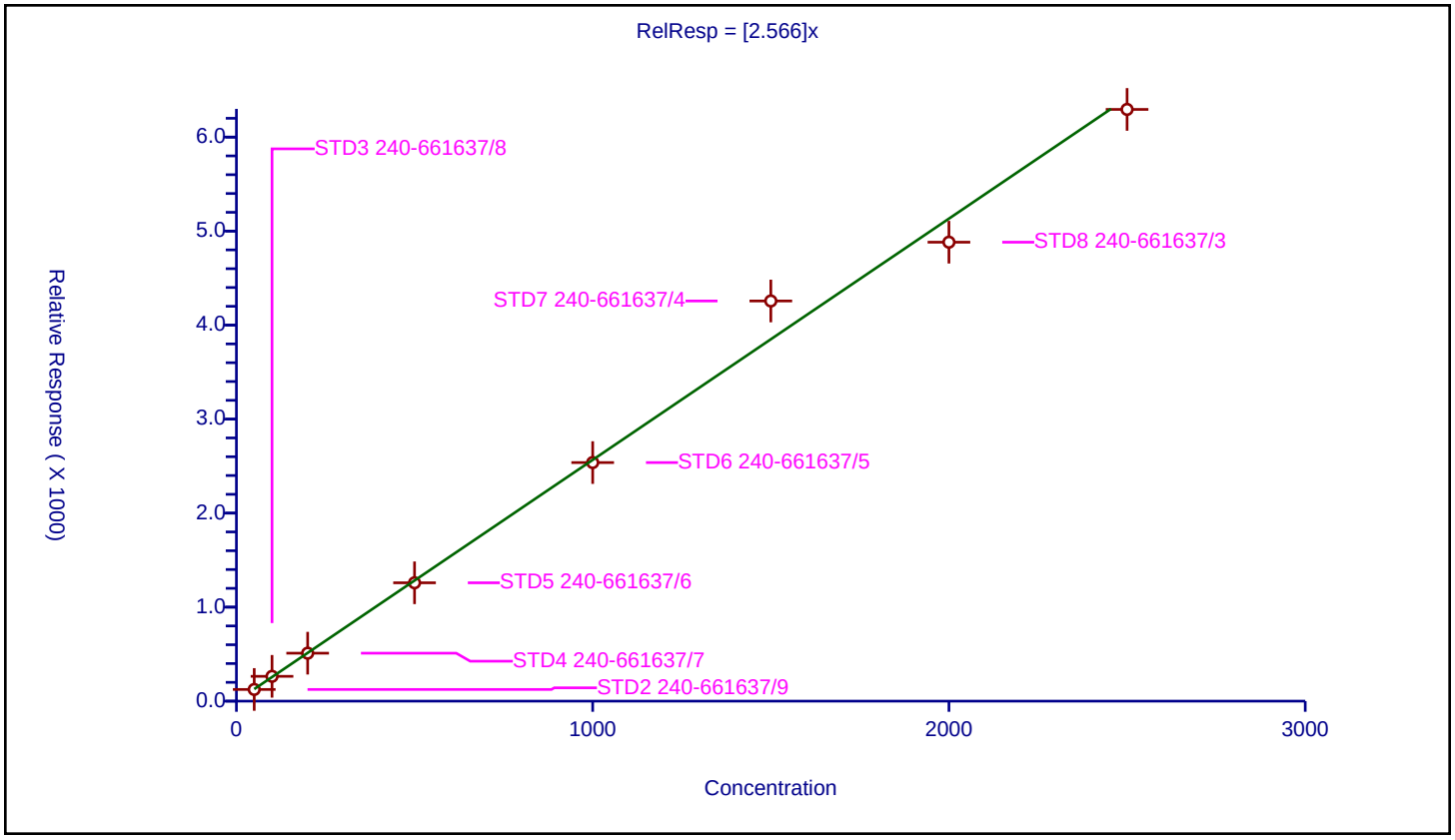
Curve Coefficients

Intercept:	0
Slope:	2.566

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	124.356975	400.0	107111.0	2.48714	Y
2	STD3 240-661637/8	100.0	264.04872	400.0	98194.0	2.640487	Y
3	STD4 240-661637/7	200.0	510.041427	400.0	102107.0	2.550207	Y
4	STD5 240-661637/6	500.0	1258.872198	400.0	108778.0	2.517744	Y
5	STD6 240-661637/5	1000.0	2537.848606	400.0	108934.0	2.537849	Y
6	STD7 240-661637/4	1500.0	4256.578854	400.0	98733.0	2.837719	Y
7	STD8 240-661637/3	2000.0	4882.051822	400.0	113928.0	2.441026	Y
8	STD9 240-661637/2	2500.0	6294.249527	400.0	112669.0	2.5177	Y



Calibration / Indene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

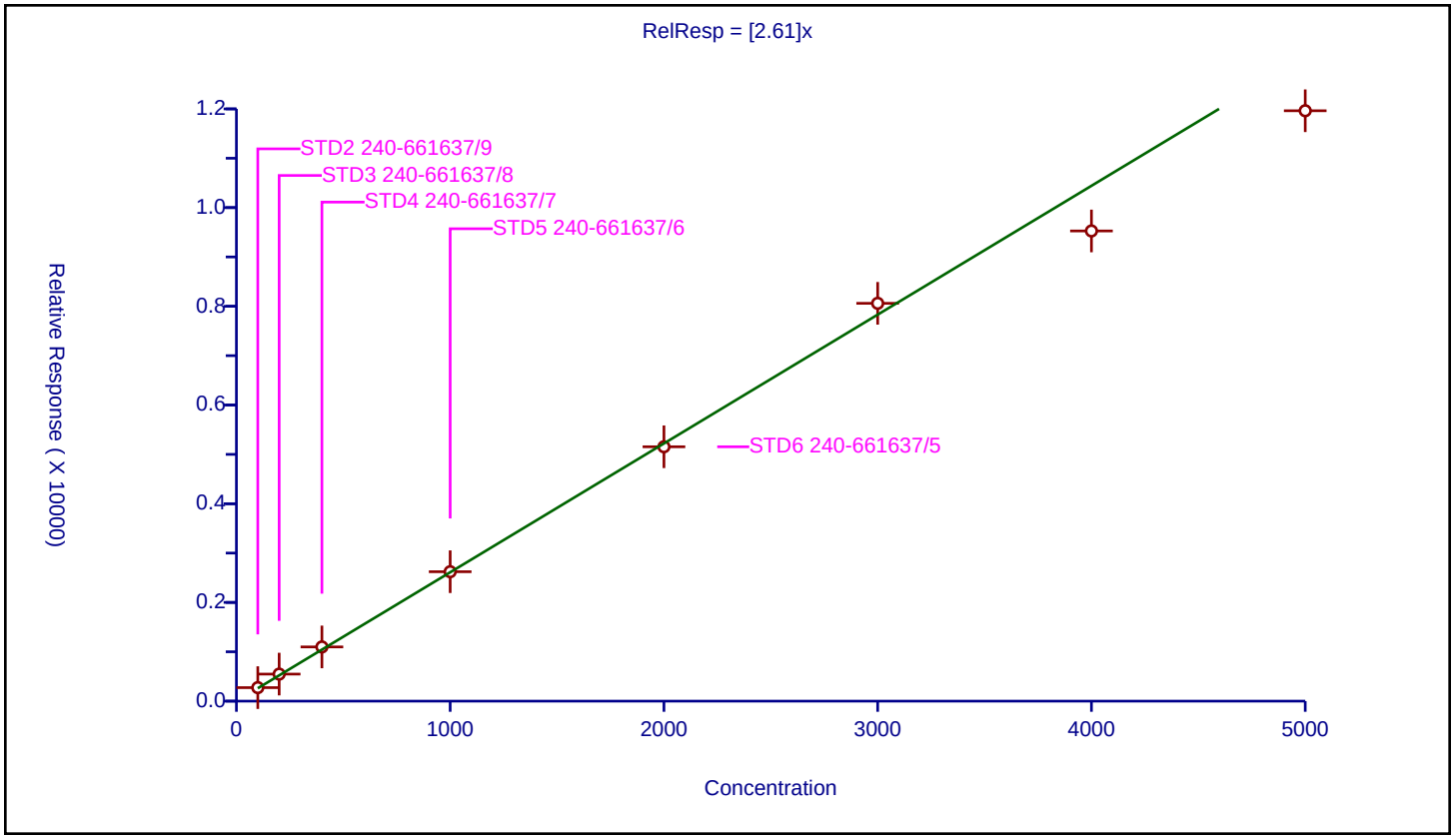
Curve Coefficients

Intercept:	0
Slope:	2.61

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	100.0	273.701114	400.0	107111.0	2.737011	Y
2	STD3 240-661637/8	200.0	547.870542	400.0	98194.0	2.739353	Y
3	STD4 240-661637/7	400.0	1098.447707	400.0	102107.0	2.746119	Y
4	STD5 240-661637/6	1000.0	2622.294949	400.0	108778.0	2.622295	Y
5	STD6 240-661637/5	2000.0	5154.027209	400.0	108934.0	2.577014	Y
6	STD7 240-661637/4	3000.0	8060.705134	400.0	98733.0	2.686902	Y
7	STD8 240-661637/3	4000.0	9526.981954	400.0	113928.0	2.381745	Y
8	STD9 240-661637/2	5000.0	11962.101377	400.0	112669.0	2.39242	Y



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Calibration

/ 3 & 4 Methylphenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

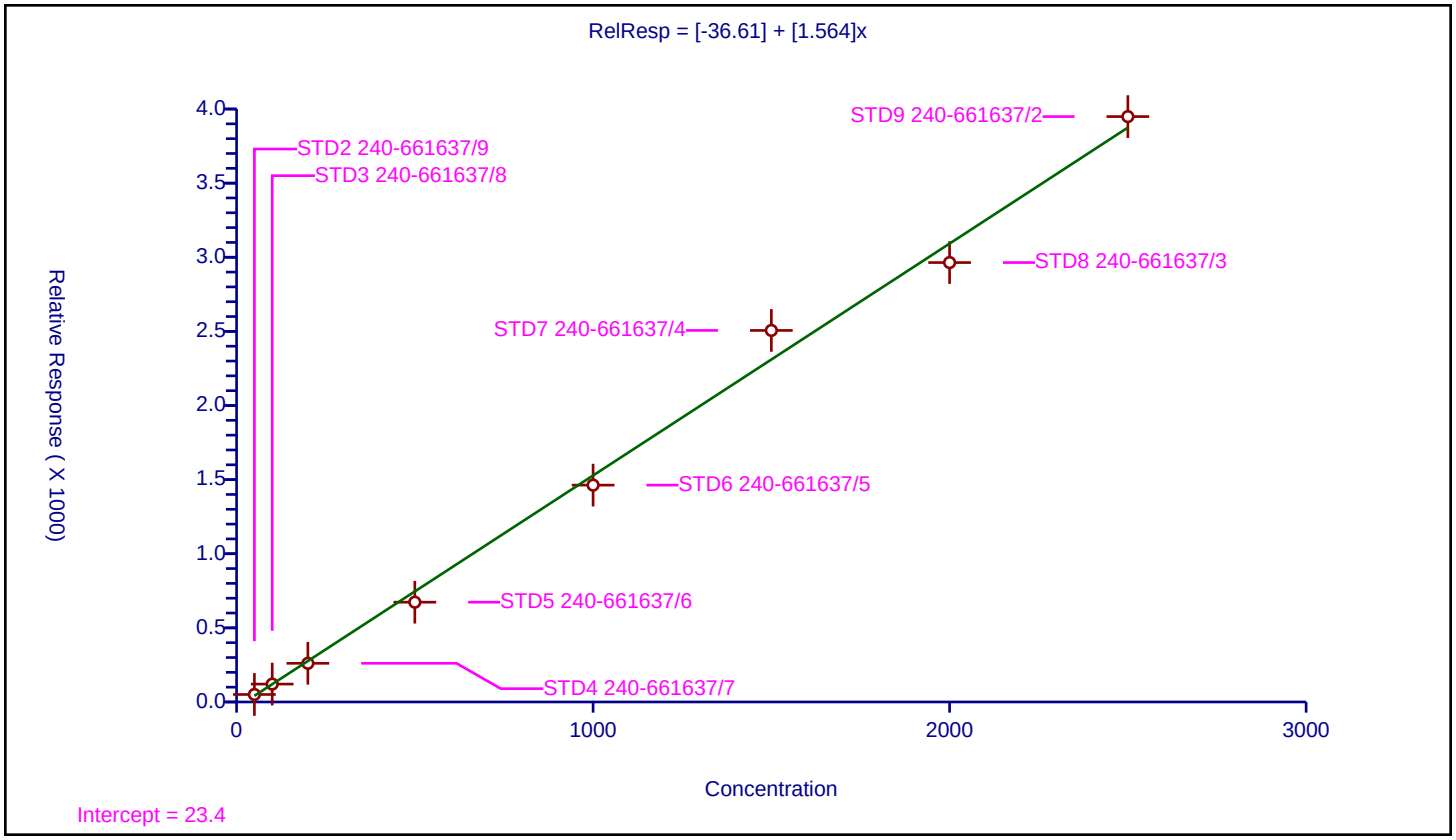
Curve Coefficients

Intercept:	-36.61
Slope:	1.564

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	50.639057	400.0	107111.0	1.012781	Y
2	STD3 240-661637/8	100.0	120.801678	400.0	98194.0	1.208017	Y
3	STD4 240-661637/7	200.0	260.867521	400.0	102107.0	1.304338	Y
4	STD5 240-661637/6	500.0	673.268492	400.0	108778.0	1.346537	Y
5	STD6 240-661637/5	1000.0	1462.948207	400.0	108934.0	1.462948	Y
6	STD7 240-661637/4	1500.0	2506.331217	400.0	98733.0	1.670887	Y
7	STD8 240-661637/3	2000.0	2964.303771	400.0	113928.0	1.482152	Y
8	STD9 240-661637/2	2500.0	3948.986855	400.0	112669.0	1.579595	Y



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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

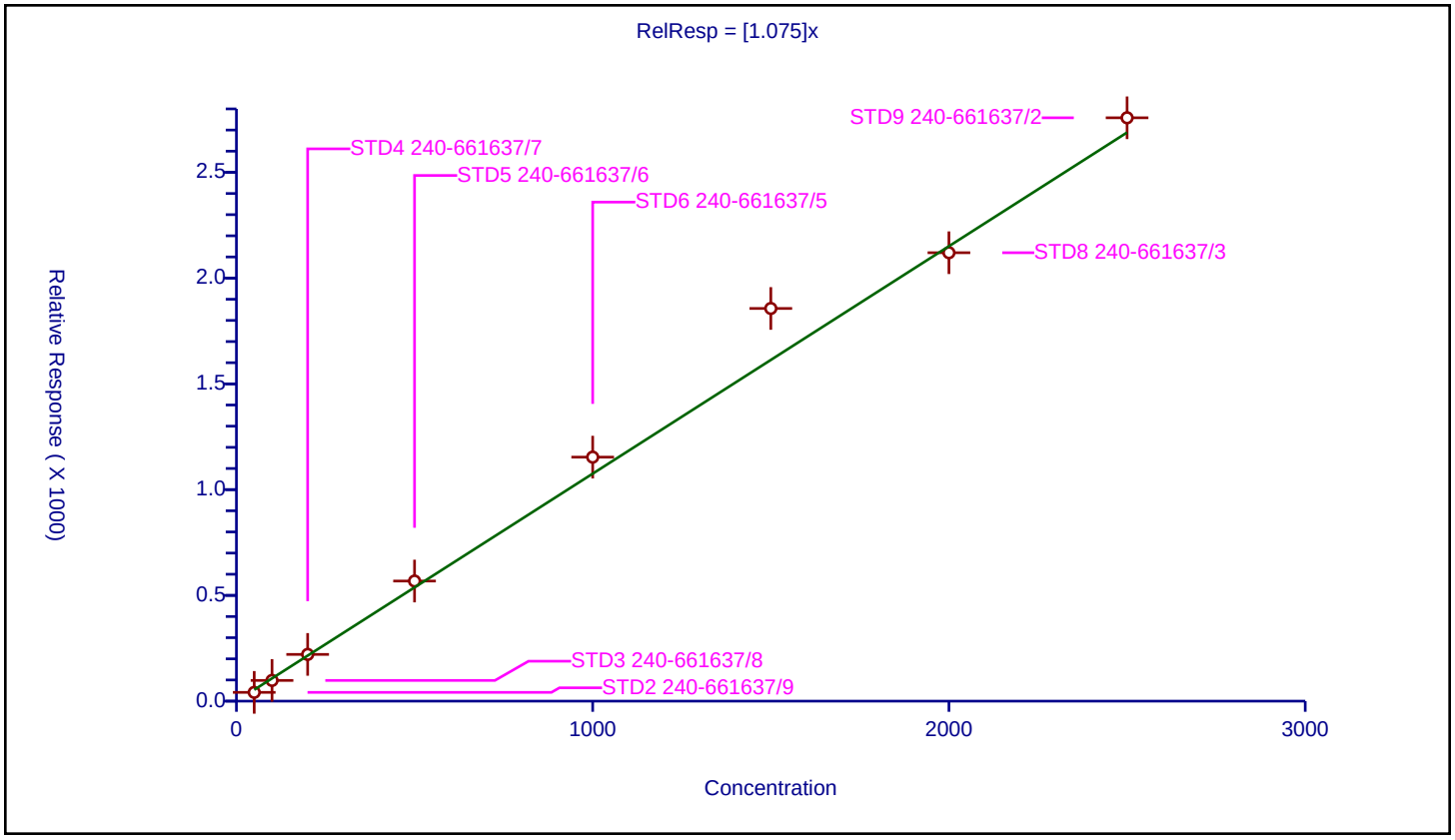
Curve Coefficients

Intercept:	0
Slope:	1.075

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	41.433653	400.0	107111.0	0.828673	Y
2	STD3 240-661637/8	100.0	97.940811	400.0	98194.0	0.979408	Y
3	STD4 240-661637/7	200.0	220.917273	400.0	102107.0	1.104586	Y
4	STD5 240-661637/6	500.0	567.835408	400.0	108778.0	1.135671	Y
5	STD6 240-661637/5	1000.0	1153.65267	400.0	108934.0	1.153653	Y
6	STD7 240-661637/4	1500.0	1856.477571	400.0	98733.0	1.237652	Y
7	STD8 240-661637/3	2000.0	2119.998596	400.0	113928.0	1.059999	Y
8	STD9 240-661637/2	2500.0	2757.922765	400.0	112669.0	1.103169	Y



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Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

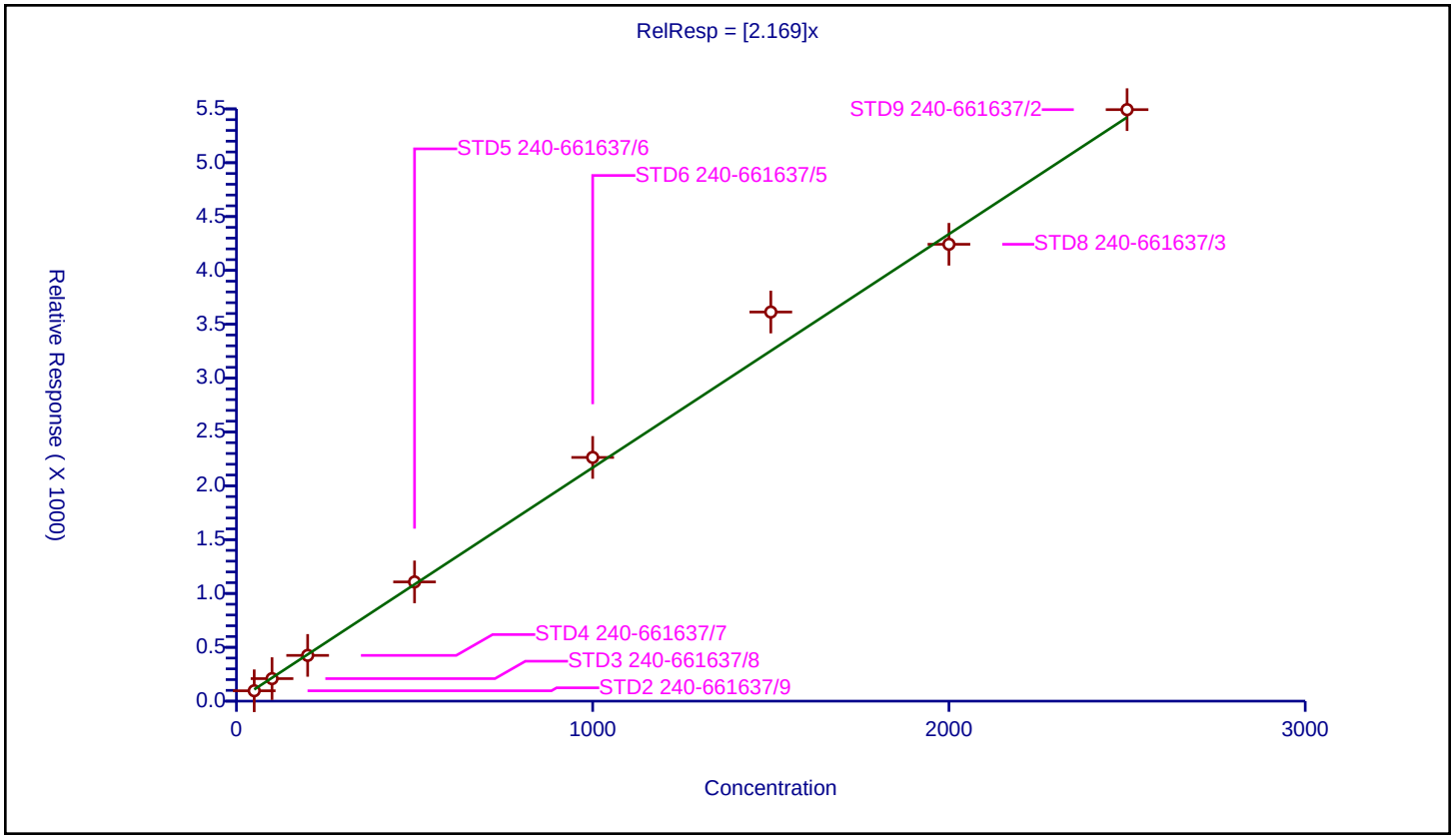
Curve Coefficients

Intercept:	0
Slope:	2.169

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	96.389727	400.0	107111.0	1.927795	Y
2	STD3 240-661637/8	100.0	209.096279	400.0	98194.0	2.090963	Y
3	STD4 240-661637/7	200.0	424.891535	400.0	102107.0	2.124458	Y
4	STD5 240-661637/6	500.0	1107.315818	400.0	108778.0	2.214632	Y
5	STD6 240-661637/5	1000.0	2263.275011	400.0	108934.0	2.263275	Y
6	STD7 240-661637/4	1500.0	3613.543597	400.0	98733.0	2.409029	Y
7	STD8 240-661637/3	2000.0	4242.834071	400.0	113928.0	2.121417	Y
8	STD9 240-661637/2	2500.0	5493.028251	400.0	112669.0	2.197211	Y



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Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

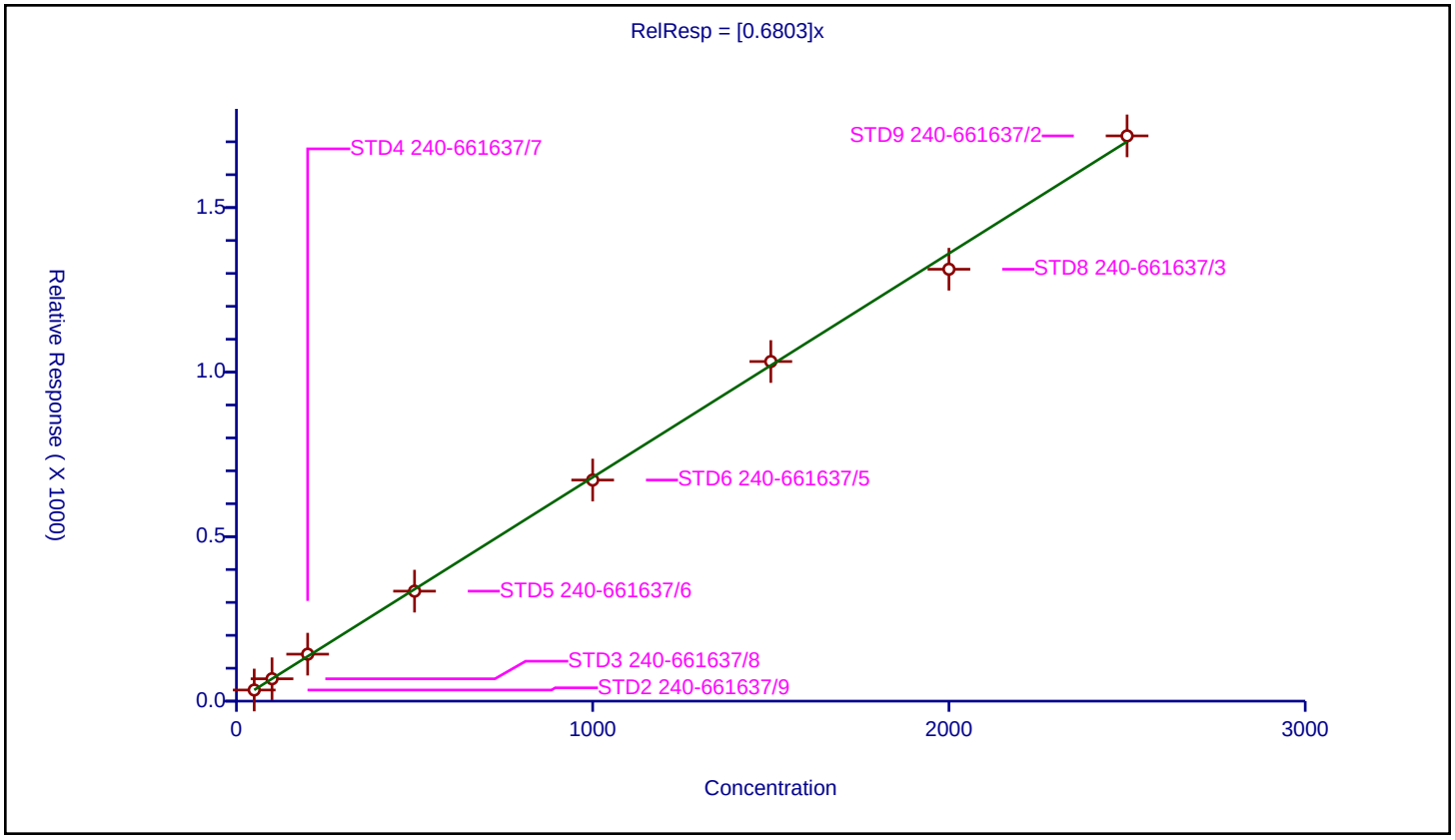
Curve Coefficients

Intercept:	0
Slope:	0.6803

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	33.804184	400.0	107111.0	0.676084	Y
2	STD3 240-661637/8	100.0	67.987861	400.0	98194.0	0.679879	Y
3	STD4 240-661637/7	200.0	142.783551	400.0	102107.0	0.713918	Y
4	STD5 240-661637/6	500.0	334.295538	400.0	108778.0	0.668591	Y
5	STD6 240-661637/5	1000.0	671.977528	400.0	108934.0	0.671978	Y
6	STD7 240-661637/4	1500.0	1032.201999	400.0	98733.0	0.688135	Y
7	STD8 240-661637/3	2000.0	1312.730848	400.0	113928.0	0.656365	Y
8	STD9 240-661637/2	2500.0	1718.016491	400.0	112669.0	0.687207	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

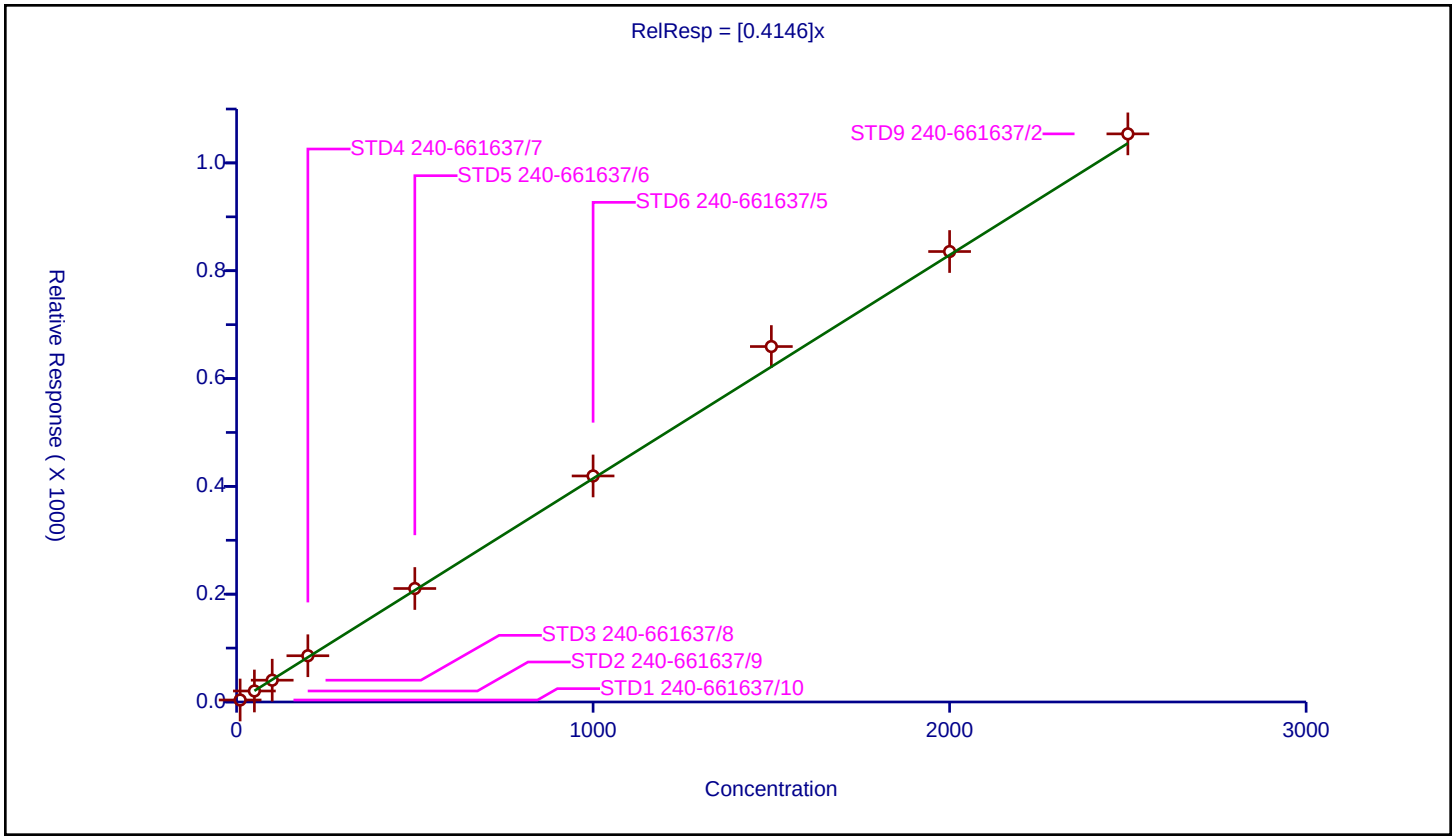
Curve Coefficients

Intercept:	0
Slope:	0.4146

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	3.702986	400.0	381746.0	0.370299	Y
2	STD2 240-661637/9	50.0	20.399597	400.0	395498.0	0.407992	Y
3	STD3 240-661637/8	100.0	40.439241	400.0	404152.0	0.404392	Y
4	STD4 240-661637/7	200.0	85.824531	400.0	402999.0	0.429123	Y
5	STD5 240-661637/6	500.0	210.530627	400.0	468804.0	0.421061	Y
6	STD6 240-661637/5	1000.0	419.34074	400.0	491460.0	0.419341	Y
7	STD7 240-661637/4	1500.0	659.409478	400.0	470228.0	0.439606	Y
8	STD8 240-661637/3	2000.0	835.624703	400.0	503527.0	0.417812	Y
9	STD9 240-661637/2	2500.0	1053.875988	400.0	519274.0	0.42155	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

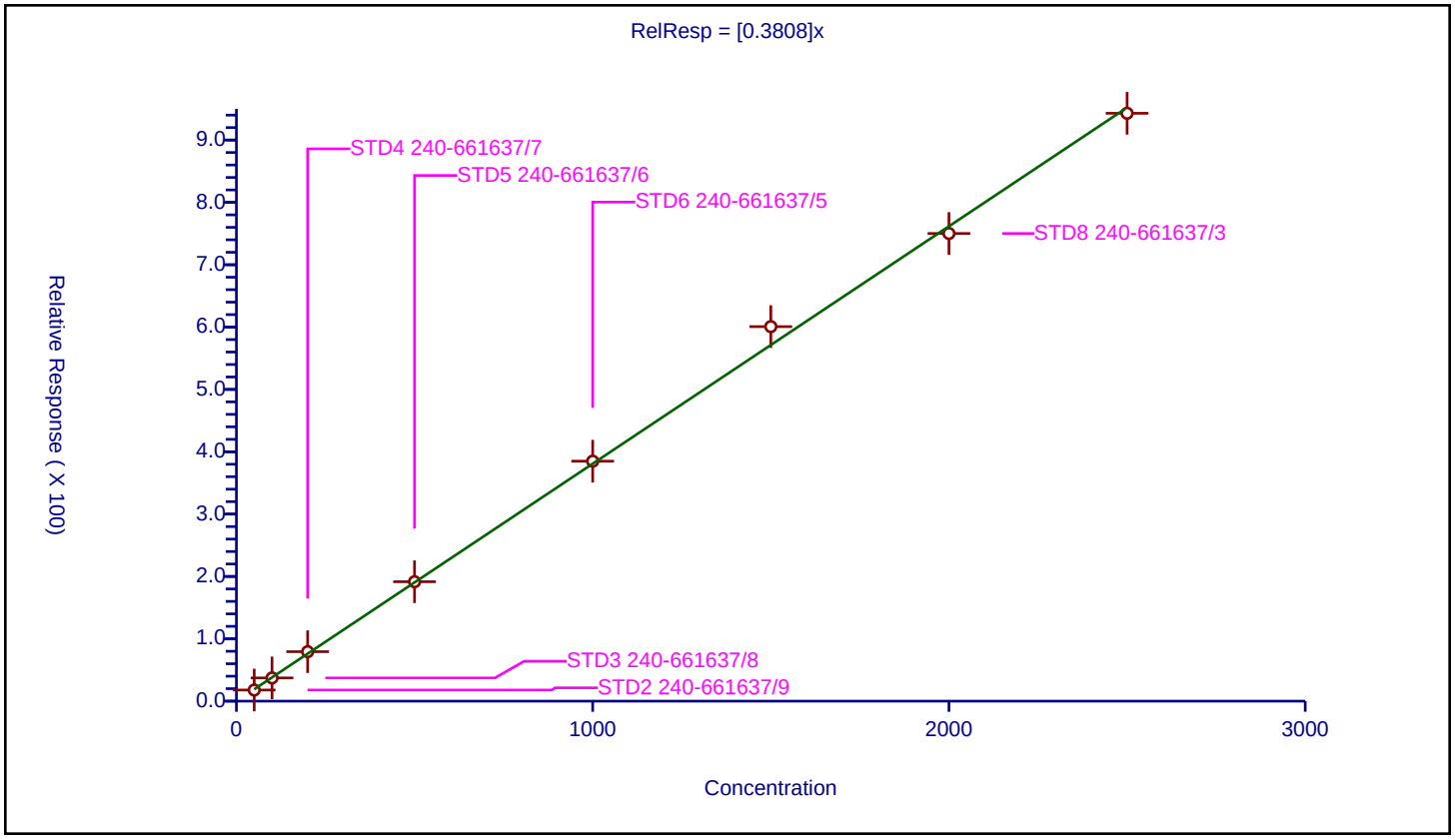
Curve Coefficients

Intercept:	0
Slope:	0.3808

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	17.845855	400.0	395498.0	0.356917	Y
2	STD3 240-661637/8	100.0	37.213722	400.0	404152.0	0.372137	Y
3	STD4 240-661637/7	200.0	79.370917	400.0	402999.0	0.396855	Y
4	STD5 240-661637/6	500.0	191.547	400.0	468804.0	0.383094	Y
5	STD6 240-661637/5	1000.0	384.950962	400.0	491460.0	0.384951	Y
6	STD7 240-661637/4	1500.0	600.763885	400.0	470228.0	0.400509	Y
7	STD8 240-661637/3	2000.0	750.130182	400.0	503527.0	0.375065	Y
8	STD9 240-661637/2	2500.0	942.95112	400.0	519274.0	0.37718	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

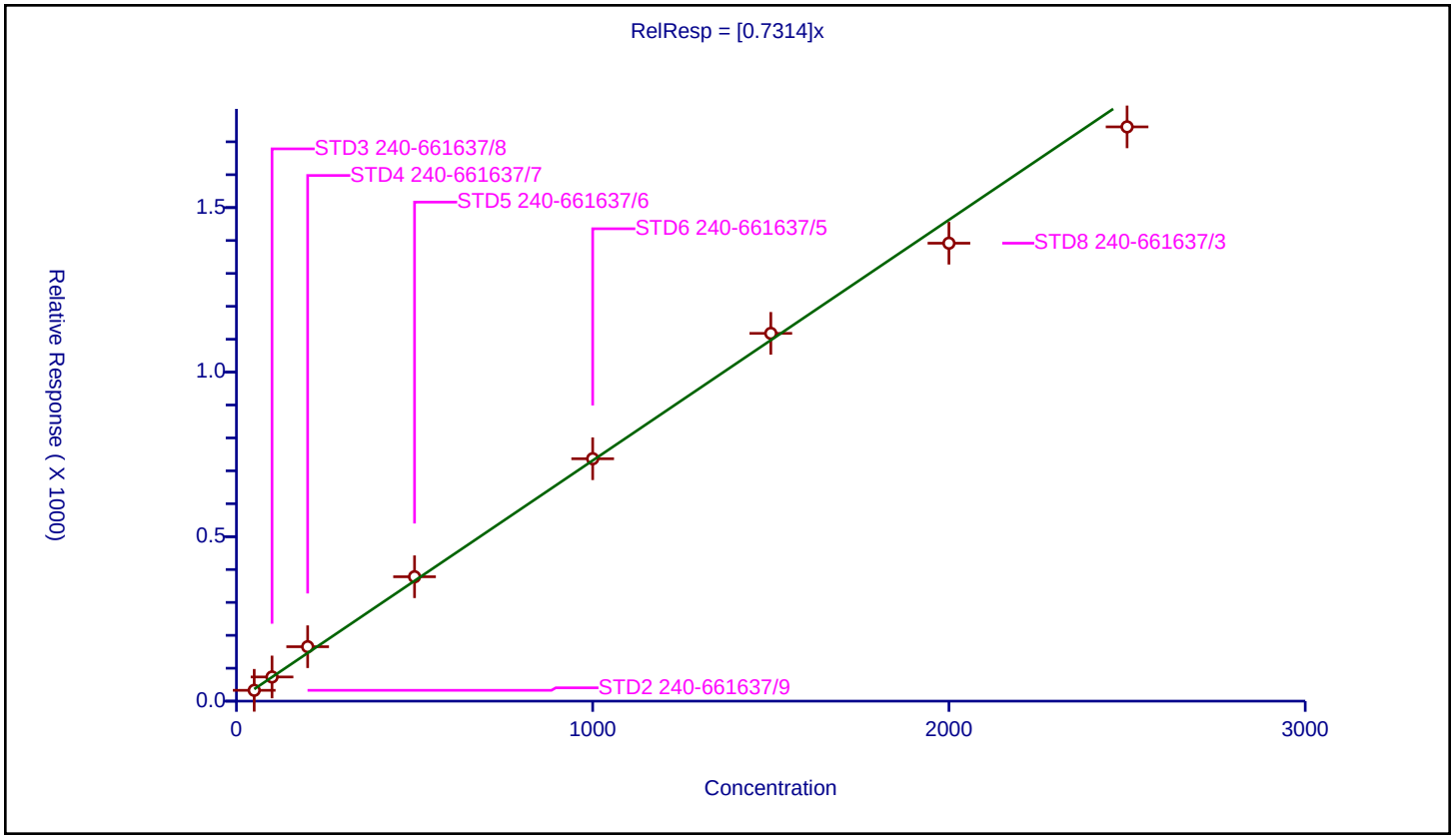
Curve Coefficients

Intercept:	0
Slope:	0.7314

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	32.890179	400.0	395498.0	0.657804	Y
2	STD3 240-661637/8	100.0	73.422871	400.0	404152.0	0.734229	Y
3	STD4 240-661637/7	200.0	165.390981	400.0	402999.0	0.826955	Y
4	STD5 240-661637/6	500.0	378.053088	400.0	468804.0	0.756106	Y
5	STD6 240-661637/5	1000.0	736.77695	400.0	491460.0	0.736777	Y
6	STD7 240-661637/4	1500.0	1117.768402	400.0	470228.0	0.745179	Y
7	STD8 240-661637/3	2000.0	1391.746619	400.0	503527.0	0.695873	Y
8	STD9 240-661637/2	2500.0	1745.392991	400.0	519274.0	0.698157	Y



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Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

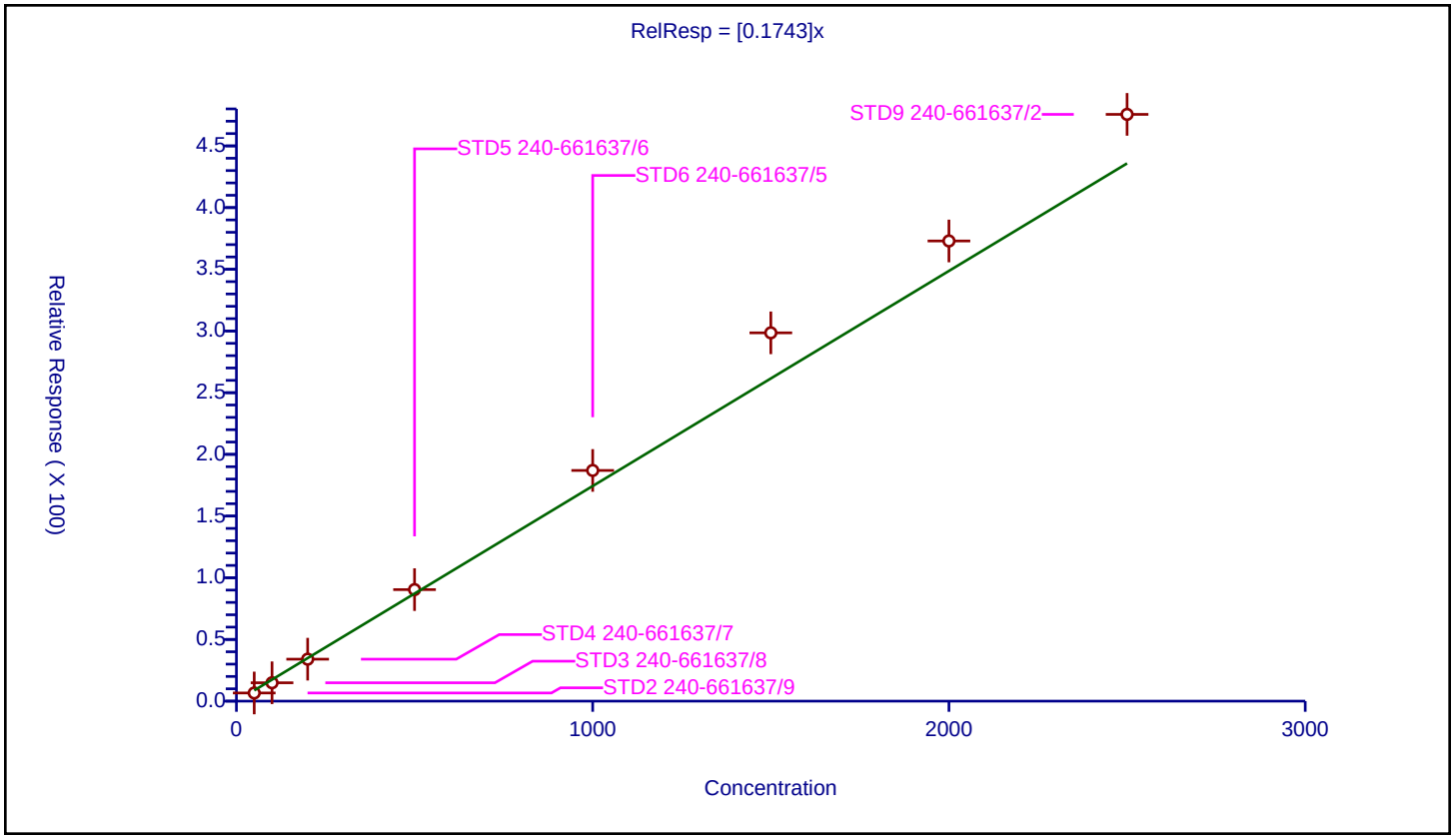
Curve Coefficients

Intercept:	0
Slope:	0.1743

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	6.615457	400.0	395498.0	0.132309	Y
2	STD3 240-661637/8	100.0	14.888458	400.0	404152.0	0.148885	Y
3	STD4 240-661637/7	200.0	34.001077	400.0	402999.0	0.170005	Y
4	STD5 240-661637/6	500.0	90.395986	400.0	468804.0	0.180792	Y
5	STD6 240-661637/5	1000.0	186.97188	400.0	491460.0	0.186972	Y
6	STD7 240-661637/4	1500.0	298.51051	400.0	470228.0	0.199007	Y
7	STD8 240-661637/3	2000.0	372.95716	400.0	503527.0	0.186479	Y
8	STD9 240-661637/2	2500.0	475.547784	400.0	519274.0	0.190219	Y



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Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

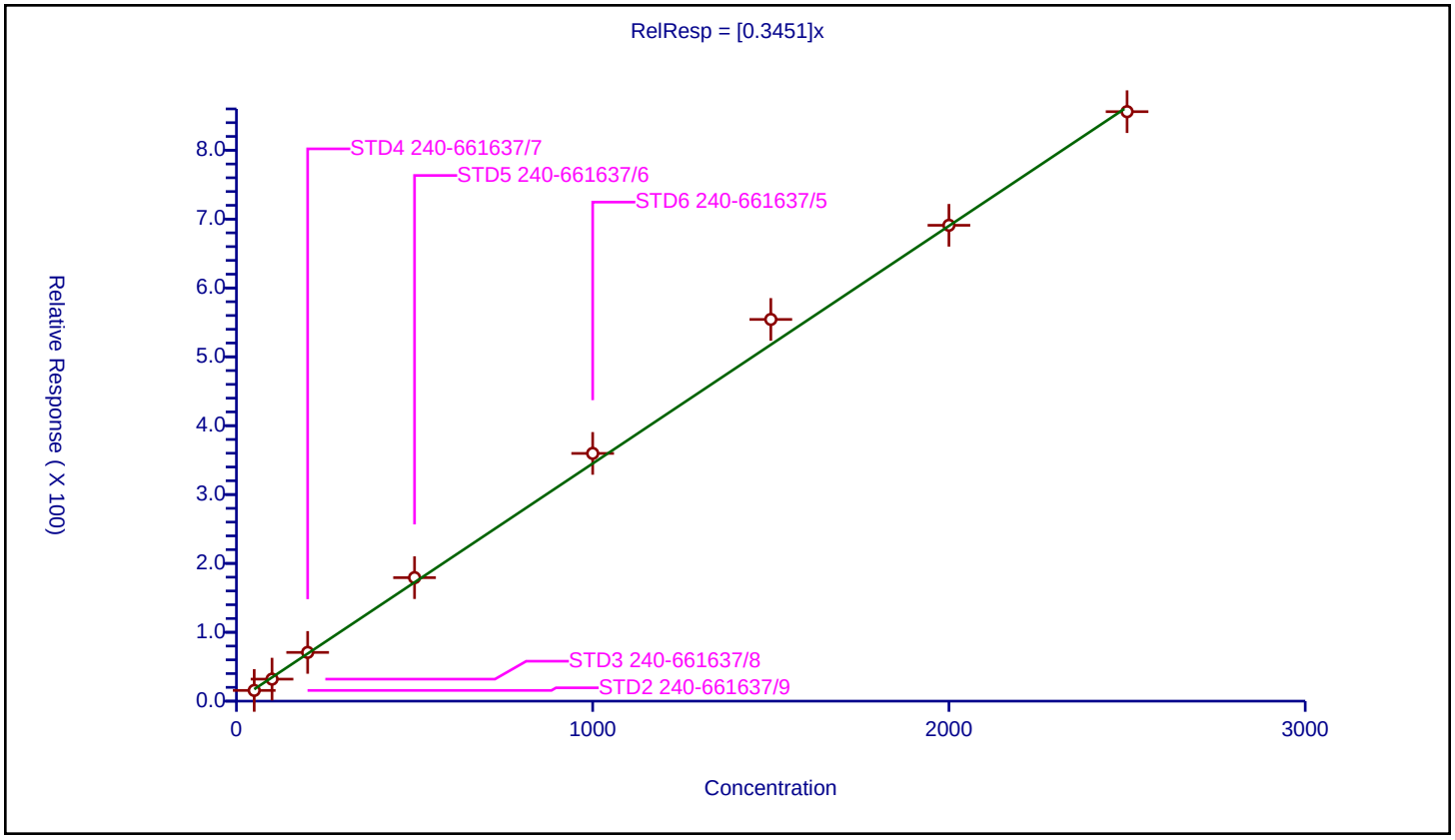
Curve Coefficients

Intercept:	0
Slope:	0.3451

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	15.552038	400.0	395498.0	0.311041	Y
2	STD3 240-661637/8	100.0	31.980047	400.0	404152.0	0.3198	Y
3	STD4 240-661637/7	200.0	70.759481	400.0	402999.0	0.353797	Y
4	STD5 240-661637/6	500.0	179.31161	400.0	468804.0	0.358623	Y
5	STD6 240-661637/5	1000.0	359.734668	400.0	491460.0	0.359735	Y
6	STD7 240-661637/4	1500.0	554.283454	400.0	470228.0	0.369522	Y
7	STD8 240-661637/3	2000.0	690.974665	400.0	503527.0	0.345487	Y
8	STD9 240-661637/2	2500.0	855.99279	400.0	519274.0	0.342397	Y



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Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

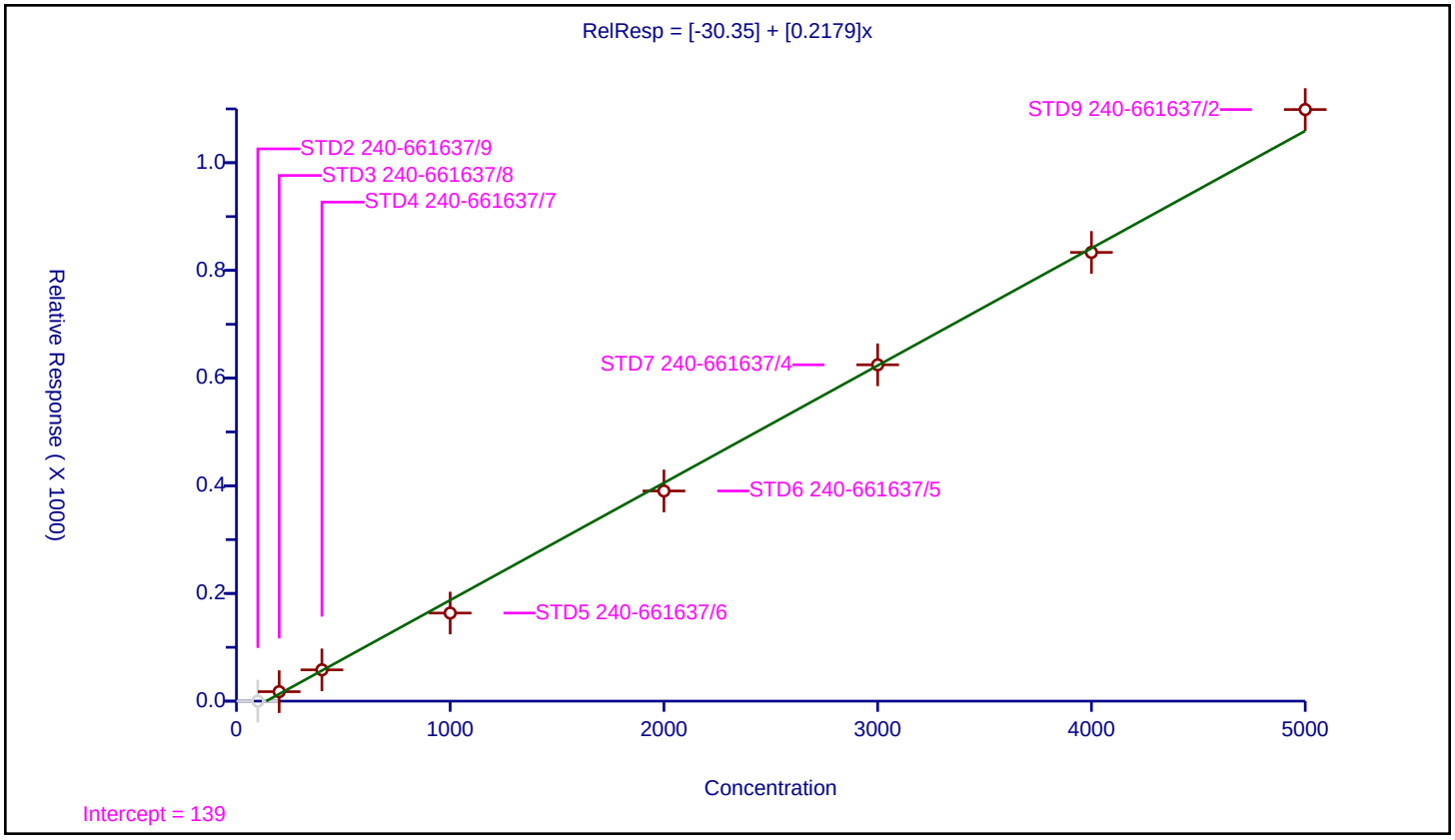
Curve Coefficients

Intercept:	-30.35
Slope:	0.2179

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	100.0	0.0	400.0	395498.0	0.0	N
2	STD3 240-661637/8	200.0	17.573586	400.0	404152.0	0.087868	Y
3	STD4 240-661637/7	400.0	58.106348	400.0	402999.0	0.145266	Y
4	STD5 240-661637/6	1000.0	163.637682	400.0	468804.0	0.163638	Y
5	STD6 240-661637/5	2000.0	390.378057	400.0	491460.0	0.195189	Y
6	STD7 240-661637/4	3000.0	624.698657	400.0	470228.0	0.208233	Y
7	STD8 240-661637/3	4000.0	833.471889	400.0	503527.0	0.208368	Y
8	STD9 240-661637/2	5000.0	1098.821817	400.0	519274.0	0.219764	Y



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Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

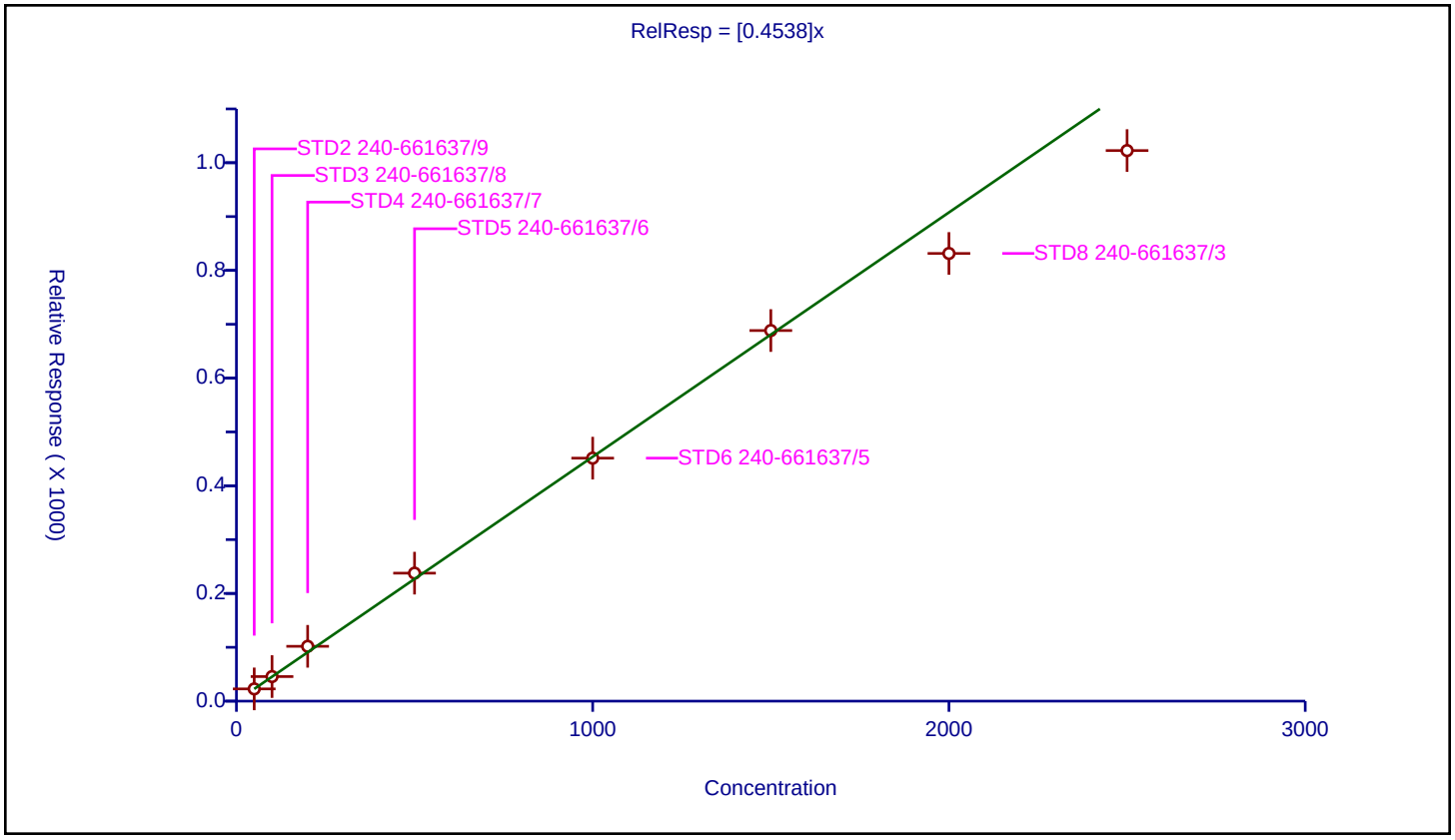
Curve Coefficients

Intercept:	0
Slope:	0.4538

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	22.740949	400.0	395498.0	0.454819	Y
2	STD3 240-661637/8	100.0	45.640254	400.0	404152.0	0.456403	Y
3	STD4 240-661637/7	200.0	101.807697	400.0	402999.0	0.509038	Y
4	STD5 240-661637/6	500.0	237.70531	400.0	468804.0	0.475411	Y
5	STD6 240-661637/5	1000.0	451.330322	400.0	491460.0	0.45133	Y
6	STD7 240-661637/4	1500.0	688.325663	400.0	470228.0	0.458884	Y
7	STD8 240-661637/3	2000.0	831.462067	400.0	503527.0	0.415731	Y
8	STD9 240-661637/2	2500.0	1022.590001	400.0	519274.0	0.409036	Y



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Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

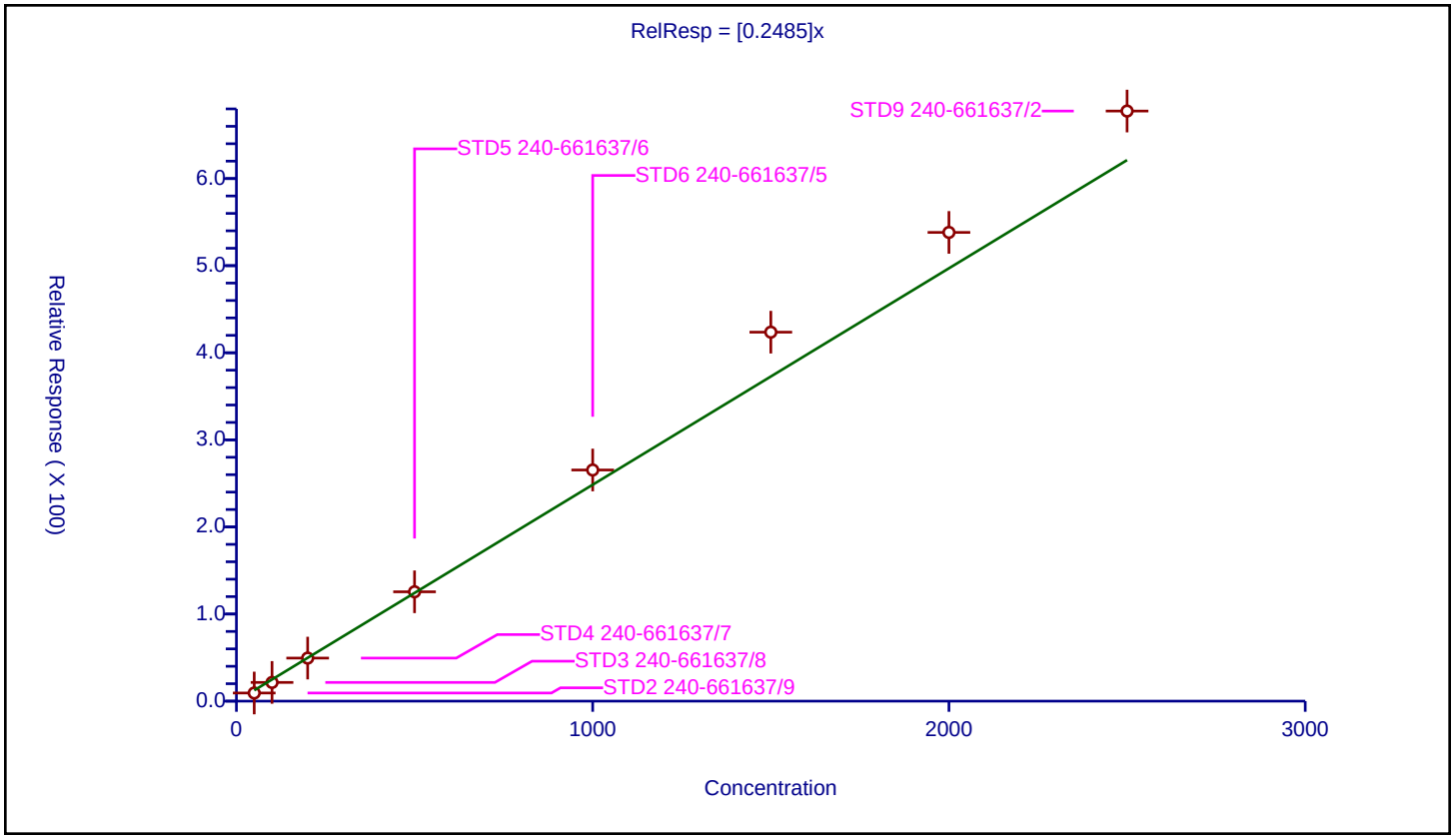
Curve Coefficients

Intercept:	0
Slope:	0.2485

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	9.355294	400.0	395498.0	0.187106	Y
2	STD3 240-661637/8	100.0	21.467171	400.0	404152.0	0.214672	Y
3	STD4 240-661637/7	200.0	49.421463	400.0	402999.0	0.247107	Y
4	STD5 240-661637/6	500.0	125.540738	400.0	468804.0	0.251081	Y
5	STD6 240-661637/5	1000.0	265.389655	400.0	491460.0	0.26539	Y
6	STD7 240-661637/4	1500.0	423.653207	400.0	470228.0	0.282435	Y
7	STD8 240-661637/3	2000.0	538.162204	400.0	503527.0	0.269081	Y
8	STD9 240-661637/2	2500.0	677.517457	400.0	519274.0	0.271007	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

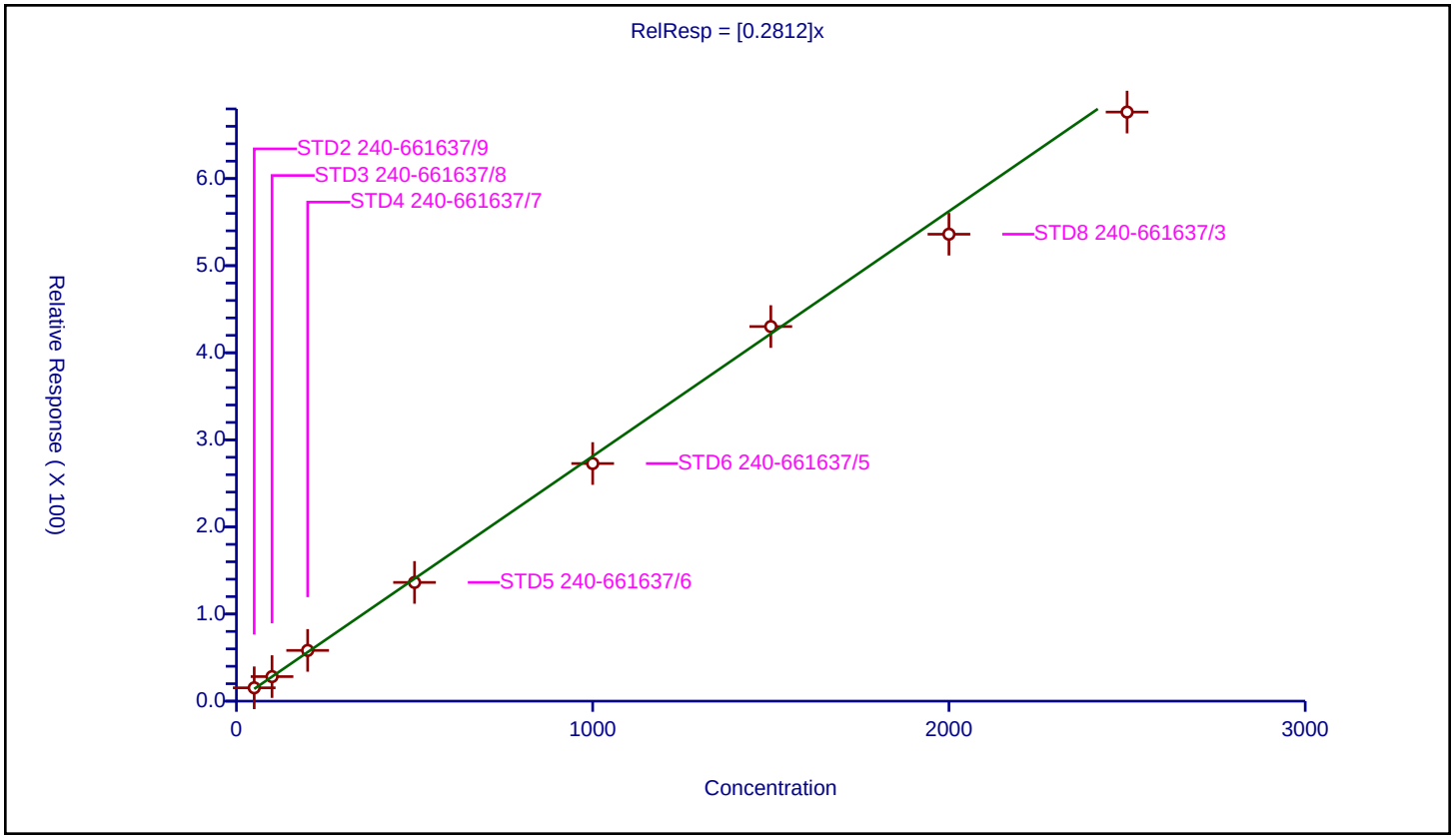
Curve Coefficients

Intercept:	0
Slope:	0.2812

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	15.301215	400.0	395498.0	0.306024	Y
2	STD3 240-661637/8	100.0	28.177517	400.0	404152.0	0.281775	Y
3	STD4 240-661637/7	200.0	58.244313	400.0	402999.0	0.291222	Y
4	STD5 240-661637/6	500.0	136.31027	400.0	468804.0	0.272621	Y
5	STD6 240-661637/5	1000.0	272.808367	400.0	491460.0	0.272808	Y
6	STD7 240-661637/4	1500.0	430.1105	400.0	470228.0	0.28674	Y
7	STD8 240-661637/3	2000.0	536.132521	400.0	503527.0	0.268066	Y
8	STD9 240-661637/2	2500.0	676.365079	400.0	519274.0	0.270546	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

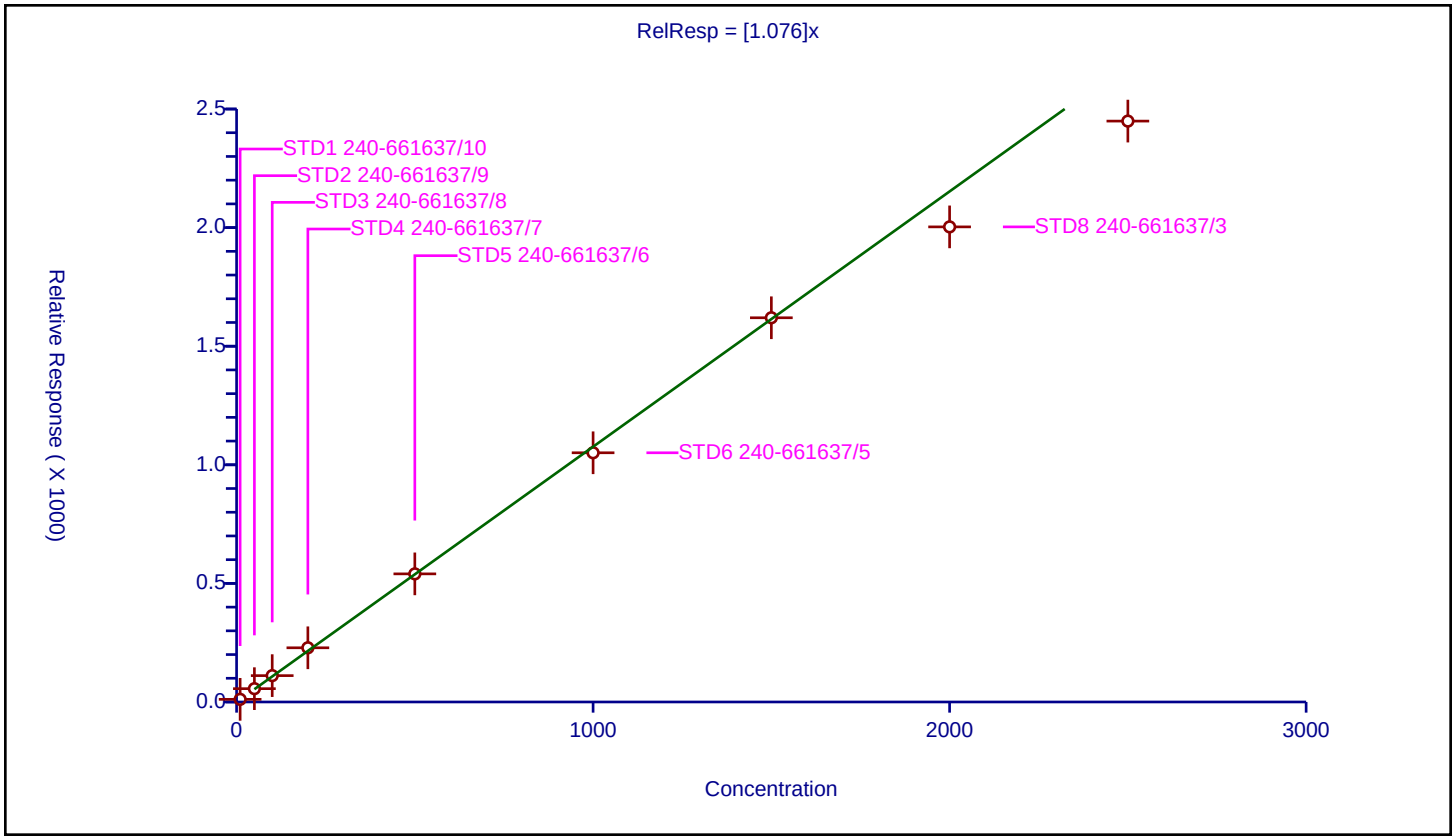
Curve Coefficients

Intercept:	0
Slope:	1.076

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	11.171826	400.0	381746.0	1.117183	Y
2	STD2 240-661637/9	50.0	56.154013	400.0	395498.0	1.12308	Y
3	STD3 240-661637/8	100.0	111.121558	400.0	404152.0	1.111216	Y
4	STD4 240-661637/7	200.0	228.53754	400.0	402999.0	1.142688	Y
5	STD5 240-661637/6	500.0	540.112286	400.0	468804.0	1.080225	Y
6	STD6 240-661637/5	1000.0	1050.707687	400.0	491460.0	1.050708	Y
7	STD7 240-661637/4	1500.0	1619.930757	400.0	470228.0	1.079954	Y
8	STD8 240-661637/3	2000.0	2003.078286	400.0	503527.0	1.001539	Y
9	STD9 240-661637/2	2500.0	2449.066196	400.0	519274.0	0.979626	Y



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Calibration / 4-Chloroaniline

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

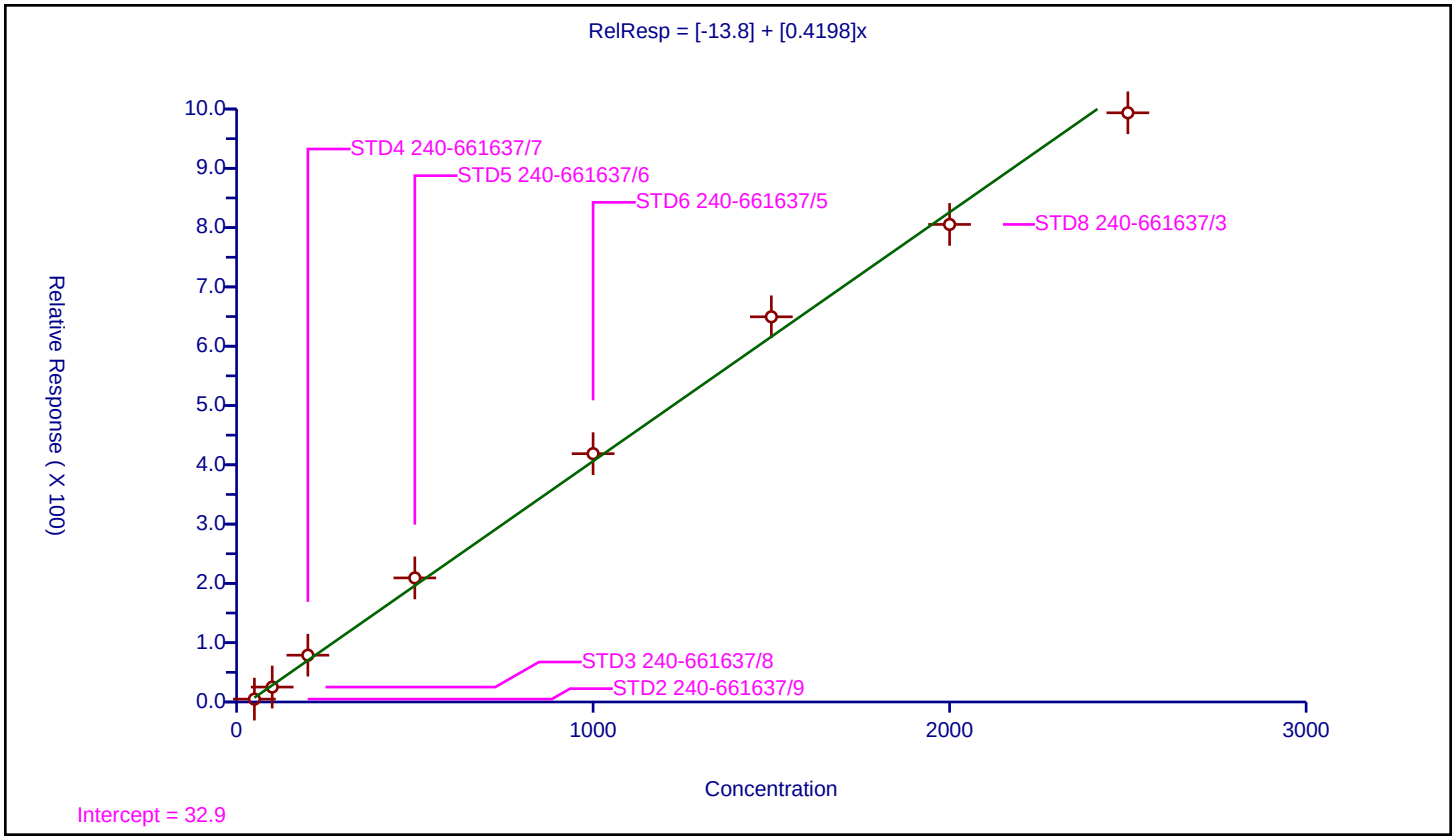
Curve Coefficients

Intercept:	-13.8
Slope:	0.4198

Error Coefficients

Relative Standard Deviation:	8.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	4.822275	400.0	395498.0	0.096445	Y
2	STD3 240-661637/8	100.0	25.147964	400.0	404152.0	0.25148	Y
3	STD4 240-661637/7	200.0	78.923273	400.0	402999.0	0.394616	Y
4	STD5 240-661637/6	500.0	209.226884	400.0	468804.0	0.418454	Y
5	STD6 240-661637/5	1000.0	418.7588	400.0	491460.0	0.418759	Y
6	STD7 240-661637/4	1500.0	649.580204	400.0	470228.0	0.433053	Y
7	STD8 240-661637/3	2000.0	805.358998	400.0	503527.0	0.402679	Y
8	STD9 240-661637/2	2500.0	993.632649	400.0	519274.0	0.397453	Y



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Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

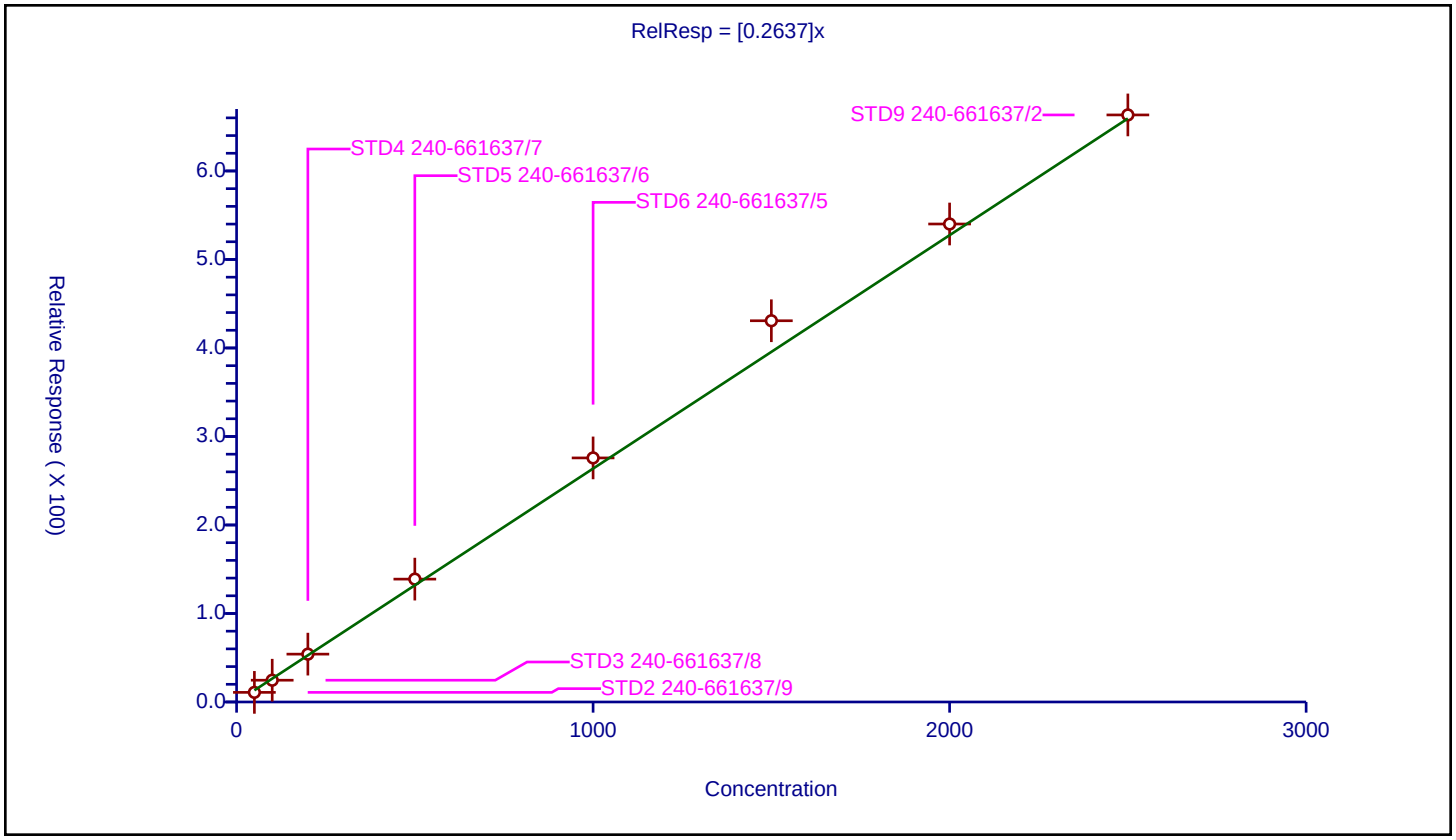
Curve Coefficients

Intercept:	0
Slope:	0.2637

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	10.8663	400.0	395498.0	0.217326	Y
2	STD3 240-661637/8	100.0	24.612522	400.0	404152.0	0.246125	Y
3	STD4 240-661637/7	200.0	54.055717	400.0	402999.0	0.270279	Y
4	STD5 240-661637/6	500.0	138.820488	400.0	468804.0	0.277641	Y
5	STD6 240-661637/5	1000.0	275.781549	400.0	491460.0	0.275782	Y
6	STD7 240-661637/4	1500.0	430.756144	400.0	470228.0	0.287171	Y
7	STD8 240-661637/3	2000.0	540.089409	400.0	503527.0	0.270045	Y
8	STD9 240-661637/2	2500.0	663.309159	400.0	519274.0	0.265324	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

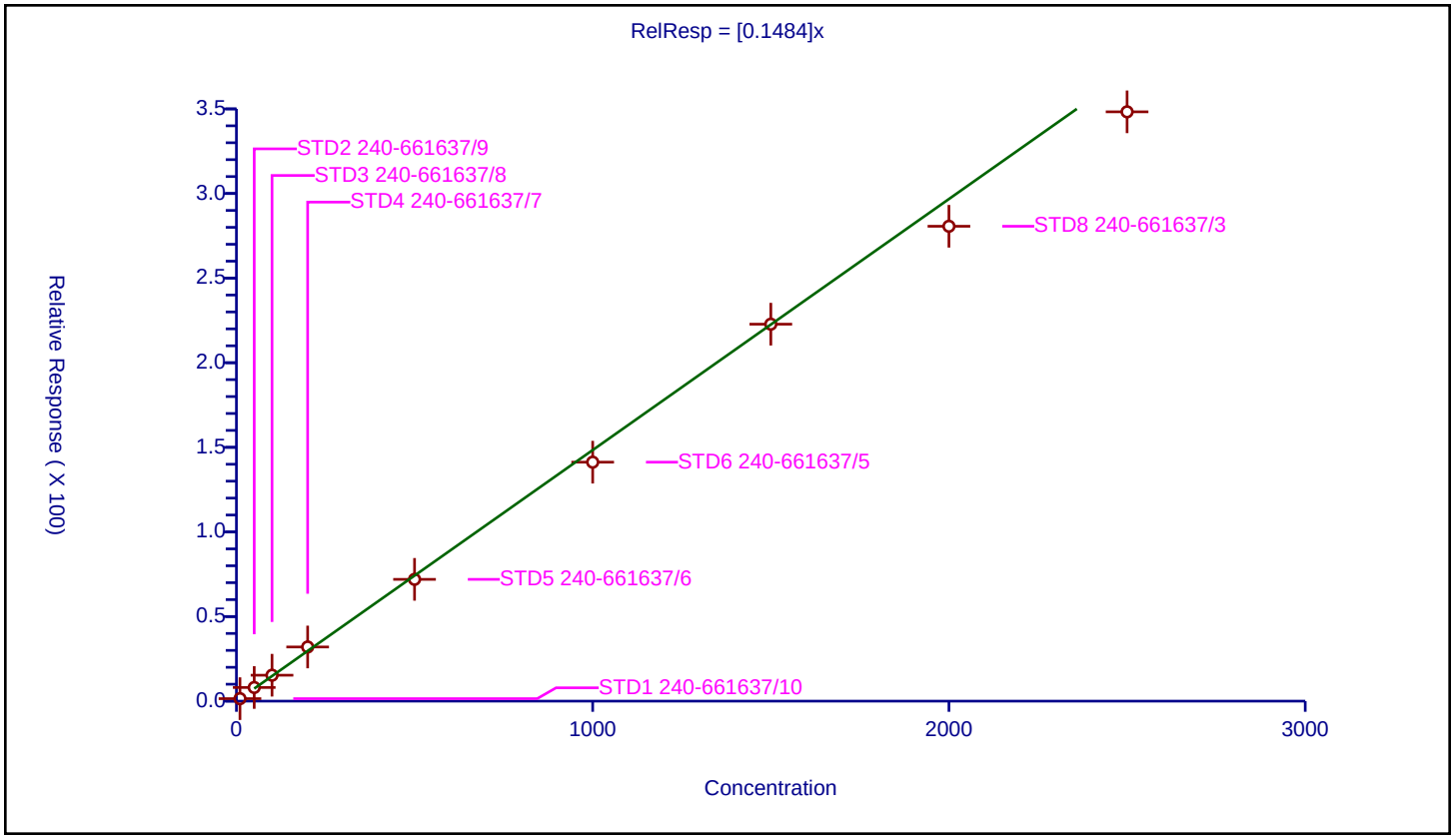
Curve Coefficients

Intercept:	0
Slope:	0.1484

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	1.473231	400.0	381746.0	0.147323	Y
2	STD2 240-661637/9	50.0	8.073871	400.0	395498.0	0.161477	Y
3	STD3 240-661637/8	100.0	15.31602	400.0	404152.0	0.15316	Y
4	STD4 240-661637/7	200.0	32.010005	400.0	402999.0	0.16005	Y
5	STD5 240-661637/6	500.0	71.977202	400.0	468804.0	0.143954	Y
6	STD6 240-661637/5	1000.0	141.221666	400.0	491460.0	0.141222	Y
7	STD7 240-661637/4	1500.0	222.772783	400.0	470228.0	0.148515	Y
8	STD8 240-661637/3	2000.0	280.634008	400.0	503527.0	0.140317	Y
9	STD9 240-661637/2	2500.0	348.269314	400.0	519274.0	0.139308	Y



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Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

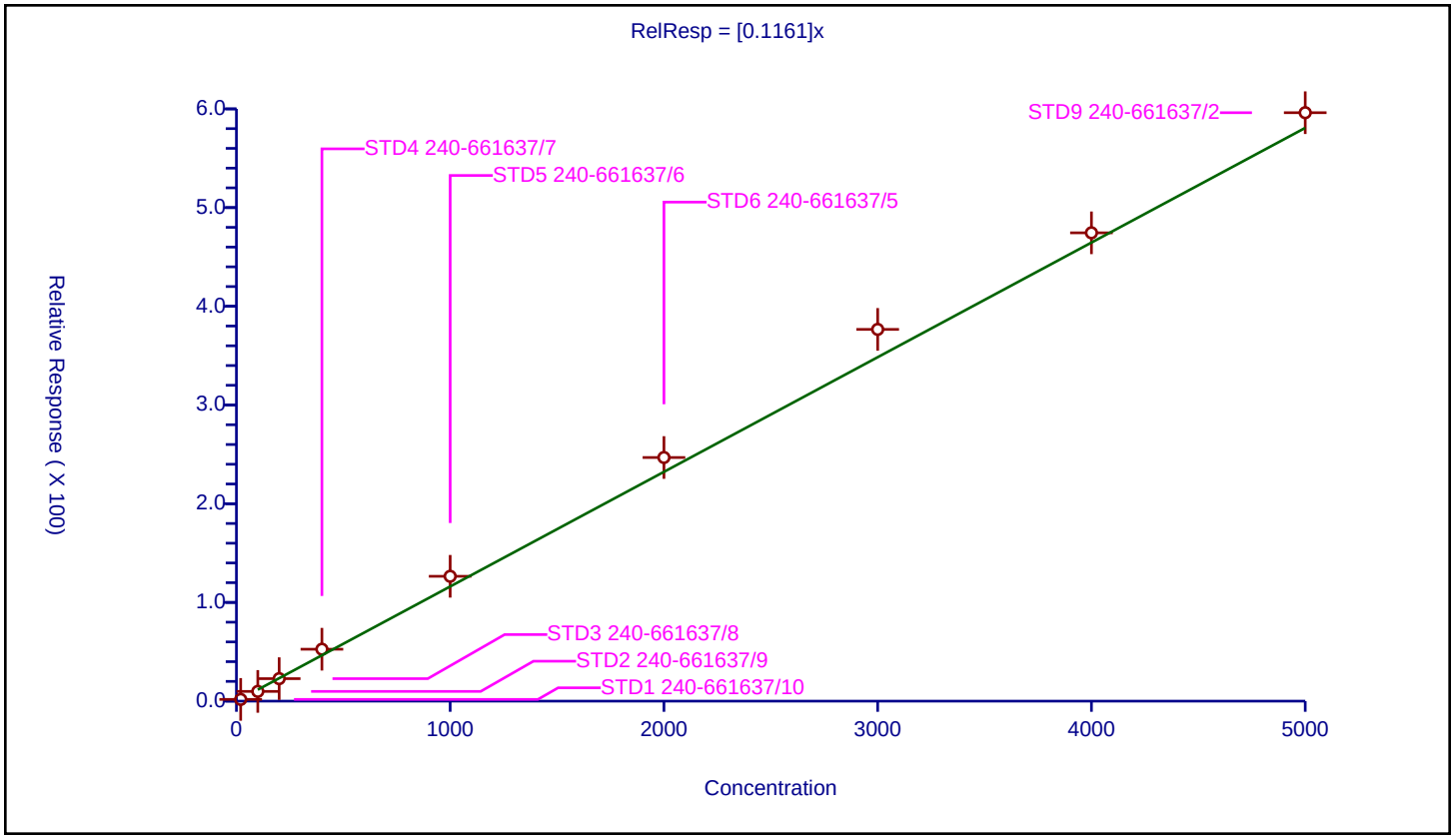
Curve Coefficients

Intercept:	0
Slope:	0.1161

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	20.0	1.761381	400.0	381746.0	0.088069	Y
2	STD2 240-661637/9	100.0	9.84986	400.0	395498.0	0.098499	Y
3	STD3 240-661637/8	200.0	22.793404	400.0	404152.0	0.113967	Y
4	STD4 240-661637/7	400.0	52.597649	400.0	402999.0	0.131494	Y
5	STD5 240-661637/6	1000.0	126.482709	400.0	468804.0	0.126483	Y
6	STD6 240-661637/5	2000.0	246.828633	400.0	491460.0	0.123414	Y
7	STD7 240-661637/4	3000.0	376.599437	400.0	470228.0	0.125533	Y
8	STD8 240-661637/3	4000.0	474.460357	400.0	503527.0	0.118615	Y
9	STD9 240-661637/2	5000.0	596.147699	400.0	519274.0	0.11923	Y



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Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

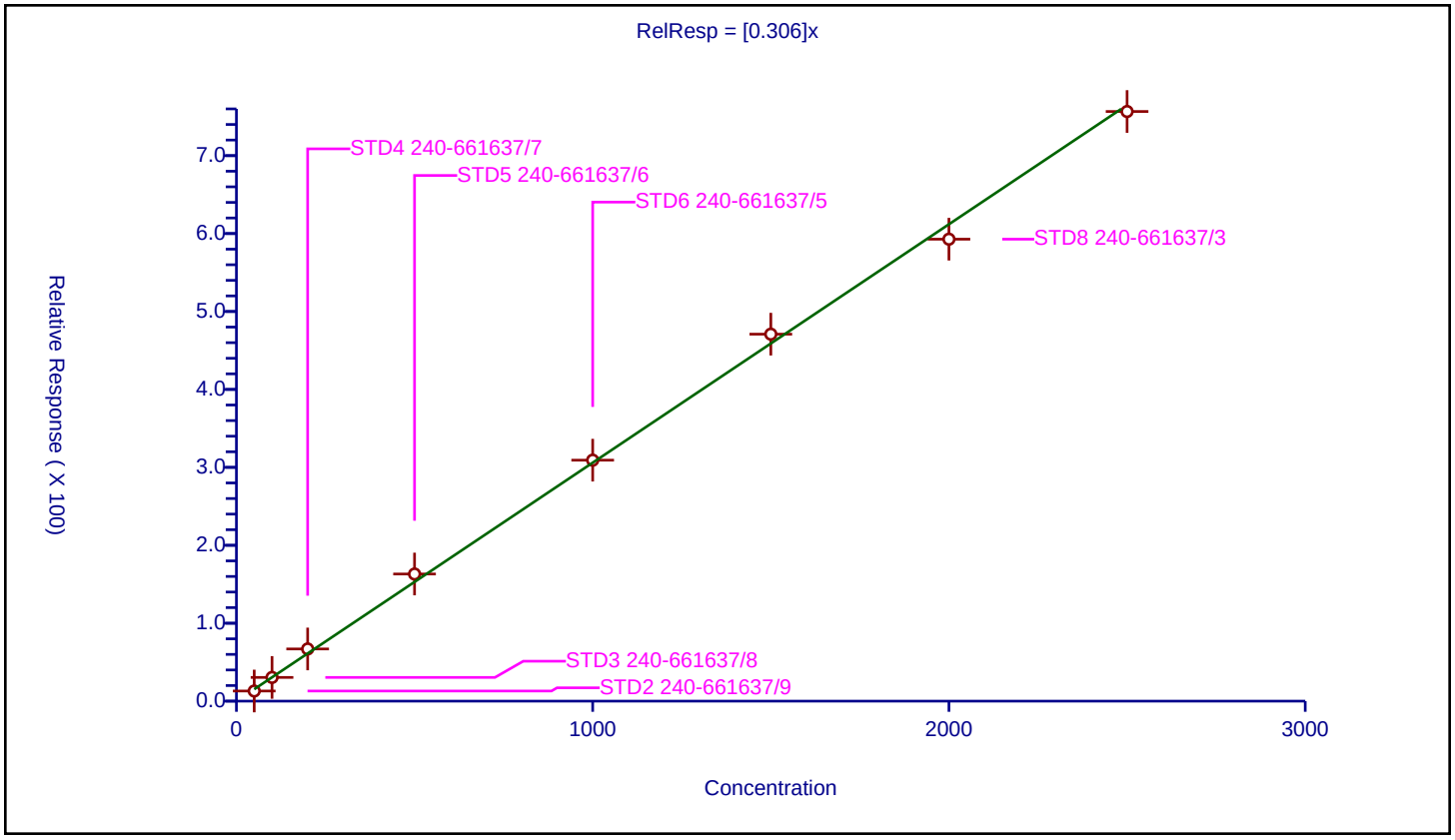
Curve Coefficients

Intercept:	0
Slope:	0.306

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	13.009421	400.0	395498.0	0.260188	Y
2	STD3 240-661637/8	100.0	30.431125	400.0	404152.0	0.304311	Y
3	STD4 240-661637/7	200.0	66.955997	400.0	402999.0	0.33478	Y
4	STD5 240-661637/6	500.0	163.135127	400.0	468804.0	0.32627	Y
5	STD6 240-661637/5	1000.0	309.230456	400.0	491460.0	0.30923	Y
6	STD7 240-661637/4	1500.0	470.92134	400.0	470228.0	0.313948	Y
7	STD8 240-661637/3	2000.0	592.815877	400.0	503527.0	0.296408	Y
8	STD9 240-661637/2	2500.0	756.644084	400.0	519274.0	0.302658	Y



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Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

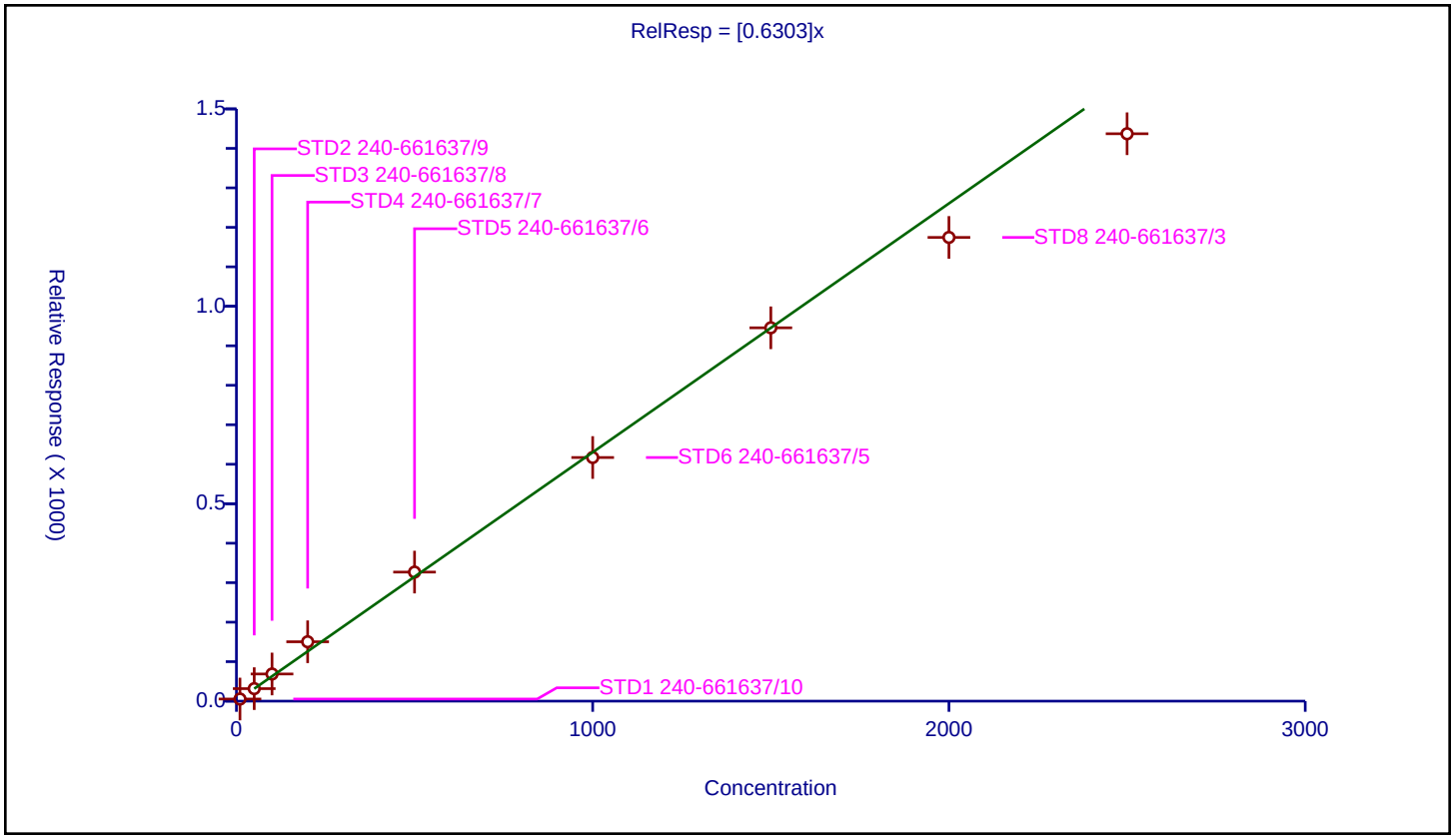
Curve Coefficients

Intercept:	0
Slope:	0.6303

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	5.355393	400.0	381746.0	0.535539	Y
2	STD2 240-661637/9	50.0	31.671462	400.0	395498.0	0.633429	Y
3	STD3 240-661637/8	100.0	68.798868	400.0	404152.0	0.687989	Y
4	STD4 240-661637/7	200.0	150.420224	400.0	402999.0	0.752101	Y
5	STD5 240-661637/6	500.0	326.844481	400.0	468804.0	0.653689	Y
6	STD6 240-661637/5	1000.0	617.064258	400.0	491460.0	0.617064	Y
7	STD7 240-661637/4	1500.0	945.572786	400.0	470228.0	0.630382	Y
8	STD8 240-661637/3	2000.0	1174.477635	400.0	503527.0	0.587239	Y
9	STD9 240-661637/2	2500.0	1437.083312	400.0	519274.0	0.574833	Y



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Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

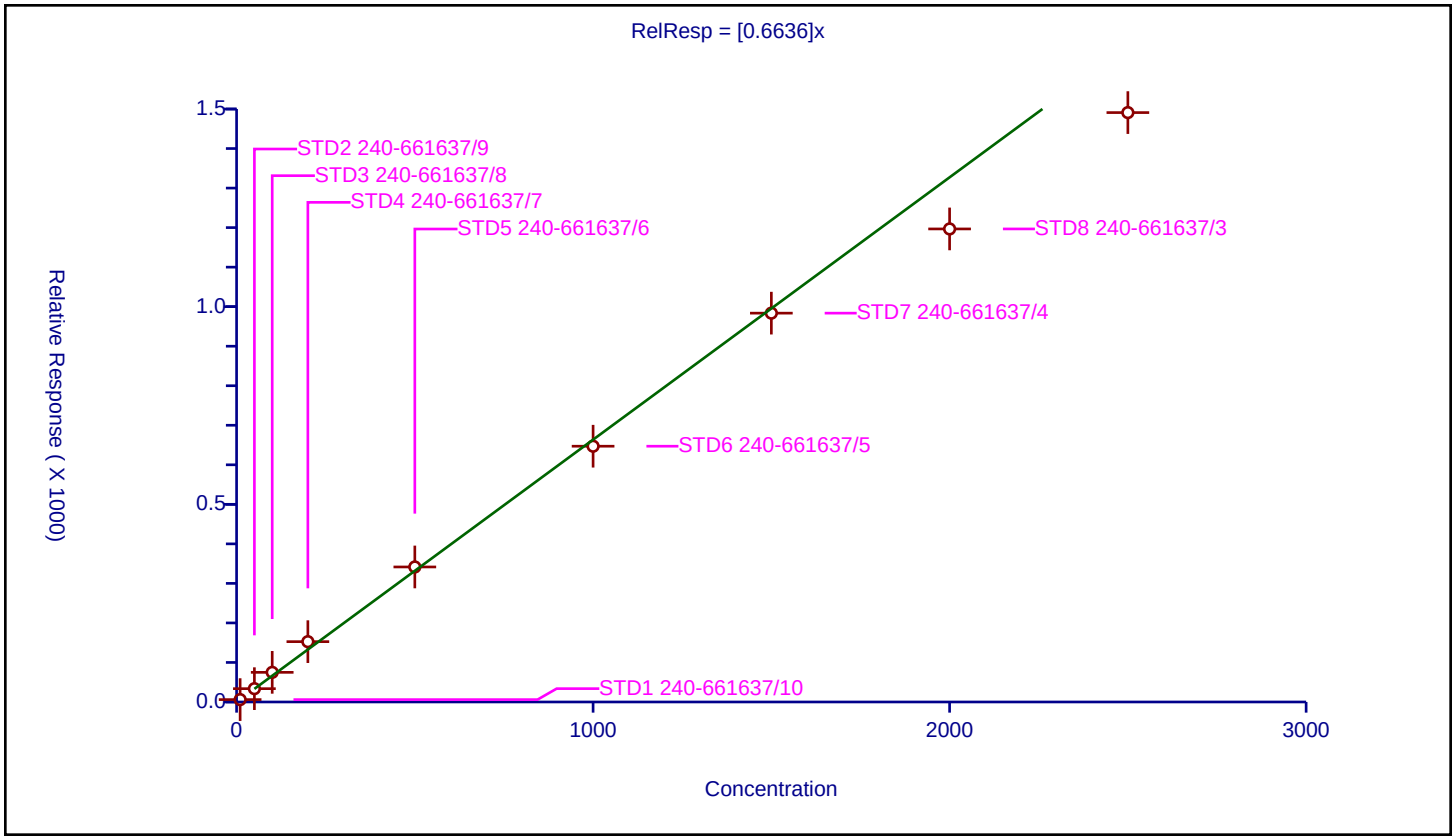
Curve Coefficients

Intercept:	0
Slope:	0.6636

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	6.044857	400.0	381746.0	0.604486	Y
2	STD2 240-661637/9	50.0	33.722547	400.0	395498.0	0.674451	Y
3	STD3 240-661637/8	100.0	74.955957	400.0	404152.0	0.74956	Y
4	STD4 240-661637/7	200.0	152.638592	400.0	402999.0	0.763193	Y
5	STD5 240-661637/6	500.0	341.594355	400.0	468804.0	0.683189	Y
6	STD6 240-661637/5	1000.0	647.032922	400.0	491460.0	0.647033	Y
7	STD7 240-661637/4	1500.0	983.628368	400.0	470228.0	0.655752	Y
8	STD8 240-661637/3	2000.0	1196.627788	400.0	503527.0	0.598314	Y
9	STD9 240-661637/2	2500.0	1490.949287	400.0	519274.0	0.59638	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

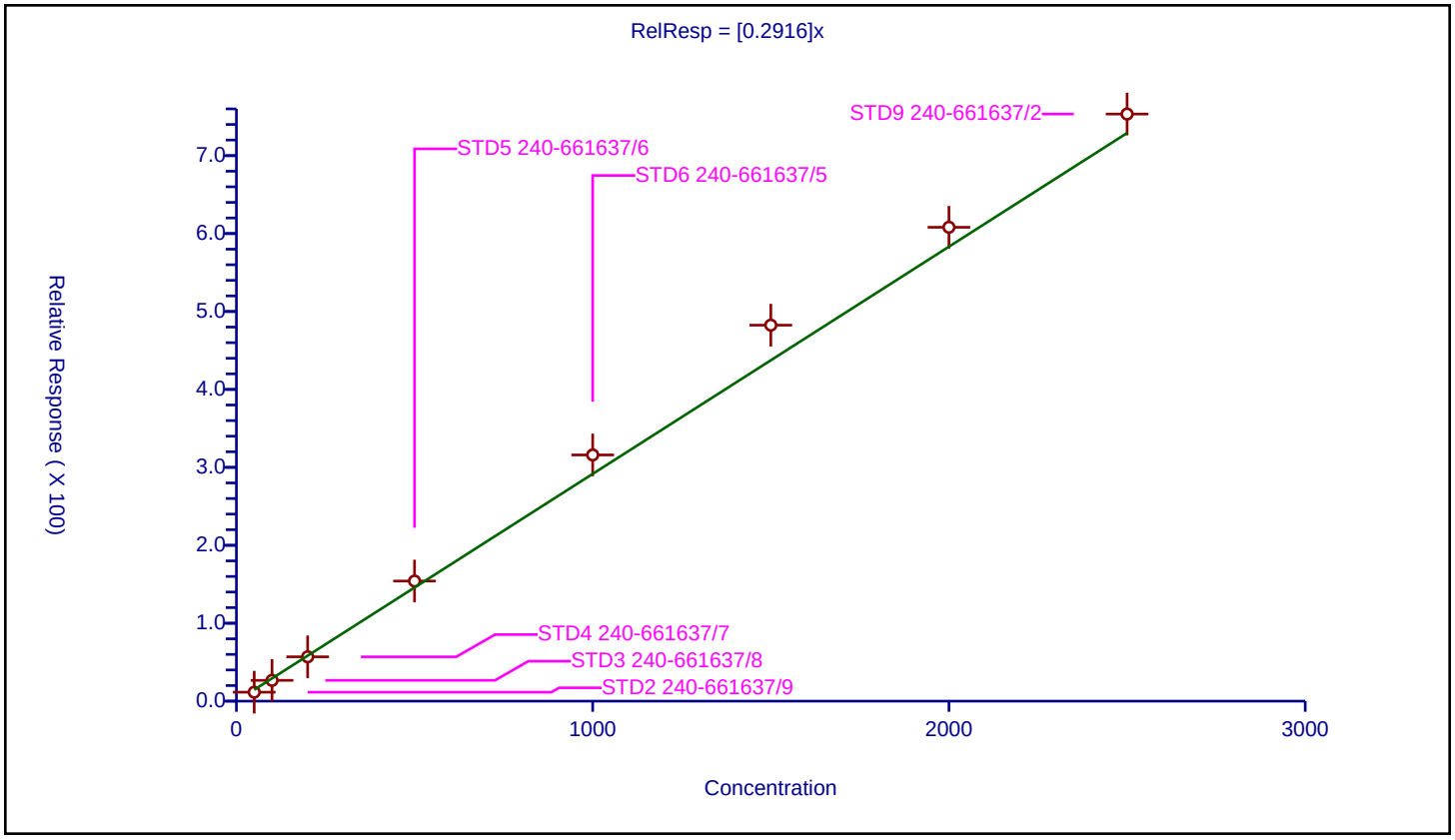
Curve Coefficients

Intercept:	0
Slope:	0.2916

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	11.514646	400.0	229169.0	0.230293	Y
2	STD3 240-661637/8	100.0	26.681963	400.0	247553.0	0.26682	Y
3	STD4 240-661637/7	200.0	56.881178	400.0	251781.0	0.284406	Y
4	STD5 240-661637/6	500.0	154.125628	400.0	266214.0	0.308251	Y
5	STD6 240-661637/5	1000.0	315.938634	400.0	263793.0	0.315939	Y
6	STD7 240-661637/4	1500.0	482.484476	400.0	252673.0	0.321656	Y
7	STD8 240-661637/3	2000.0	608.089337	400.0	263631.0	0.304045	Y
8	STD9 240-661637/2	2500.0	753.372651	400.0	271463.0	0.301349	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

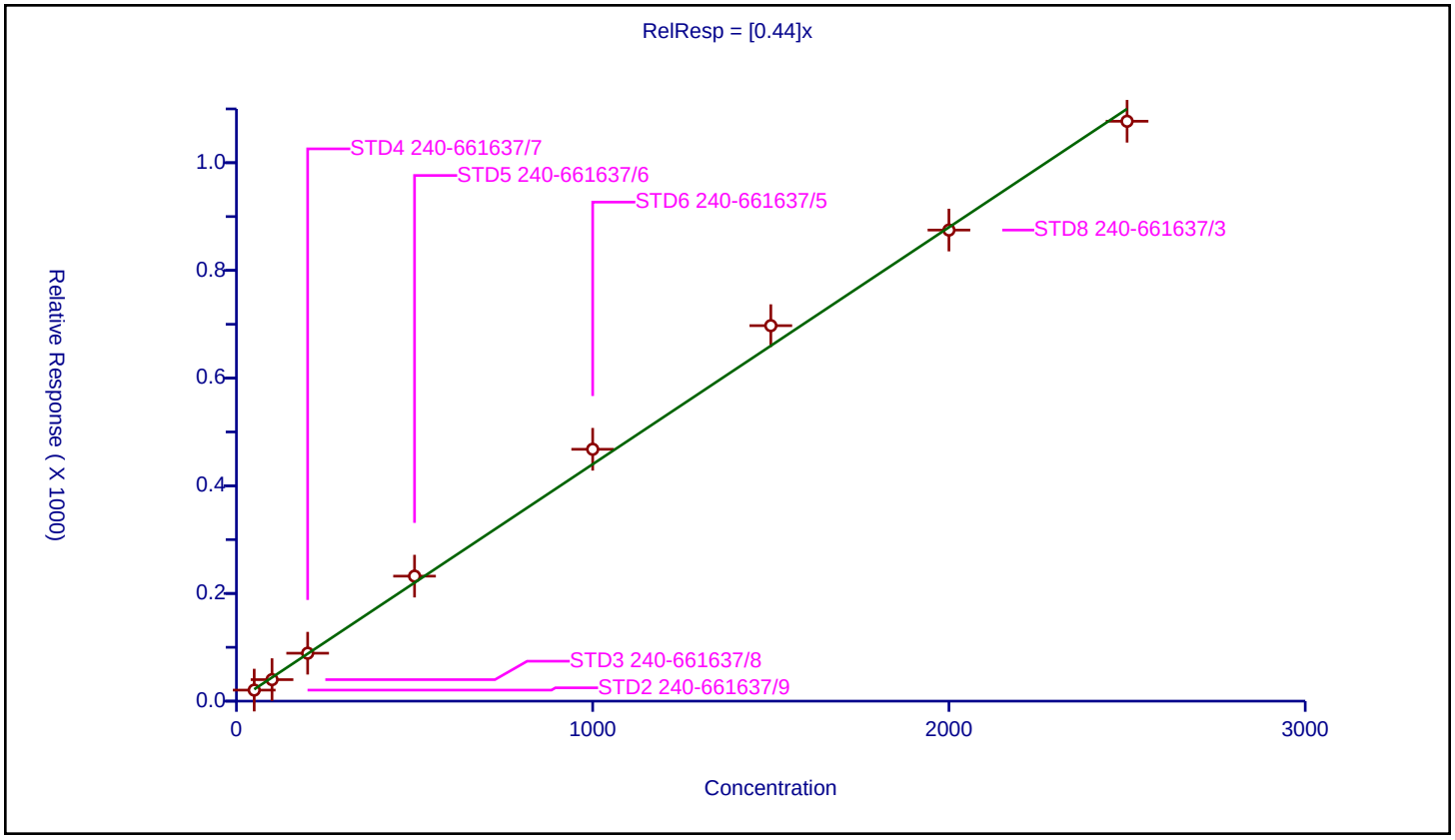
Curve Coefficients

Intercept:	0
Slope:	0.44

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	20.508882	400.0	229169.0	0.410178	Y
2	STD3 240-661637/8	100.0	39.944578	400.0	247553.0	0.399446	Y
3	STD4 240-661637/7	200.0	89.036107	400.0	251781.0	0.445181	Y
4	STD5 240-661637/6	500.0	232.1651	400.0	266214.0	0.46433	Y
5	STD6 240-661637/5	1000.0	467.818327	400.0	263793.0	0.467818	Y
6	STD7 240-661637/4	1500.0	697.402572	400.0	252673.0	0.464935	Y
7	STD8 240-661637/3	2000.0	874.944145	400.0	263631.0	0.437472	Y
8	STD9 240-661637/2	2500.0	1077.067593	400.0	271463.0	0.430827	Y



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Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

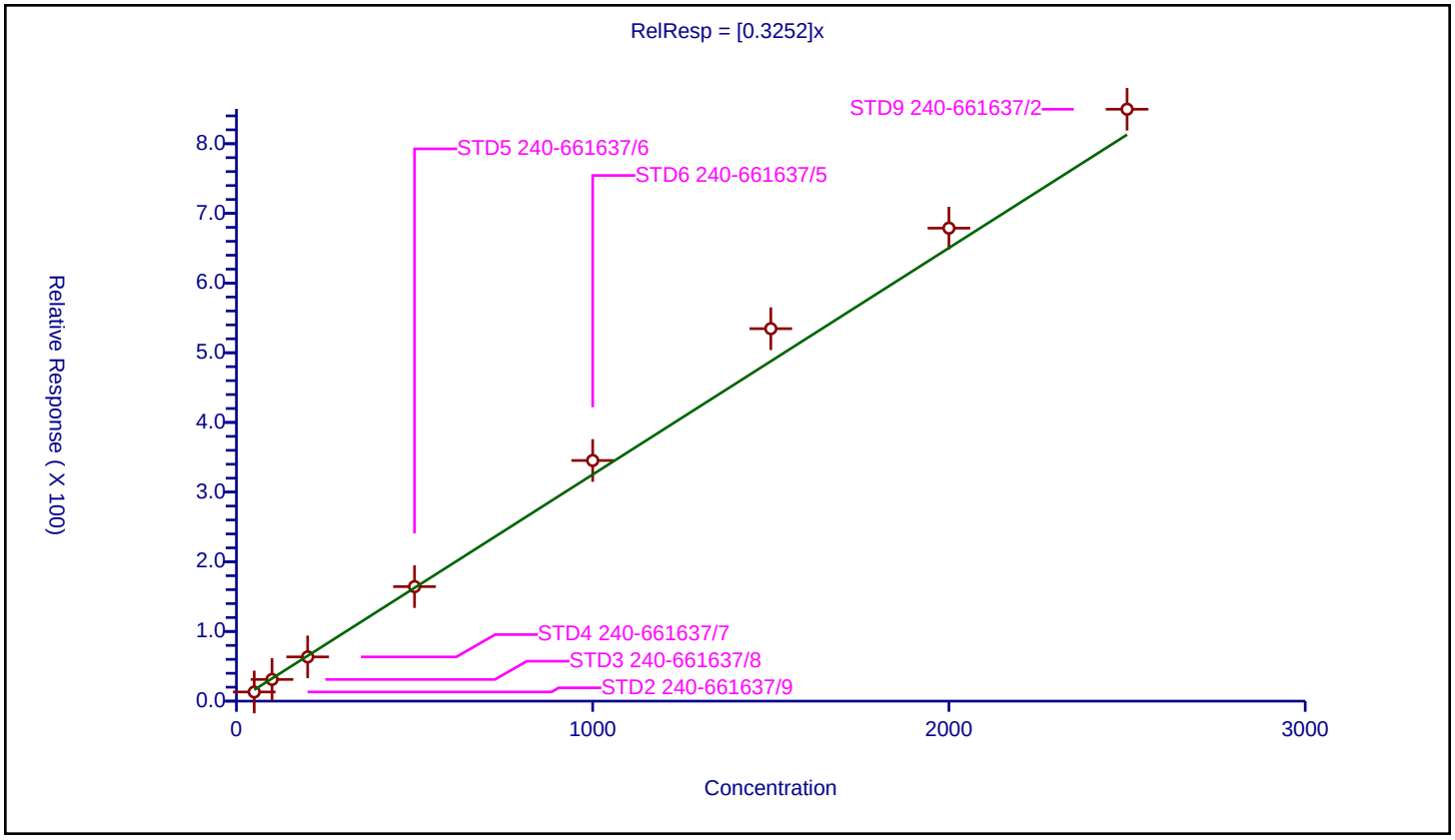
Curve Coefficients

Intercept:	0
Slope:	0.3252

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	13.16932	400.0	229169.0	0.263386	Y
2	STD3 240-661637/8	100.0	31.127072	400.0	247553.0	0.311271	Y
3	STD4 240-661637/7	200.0	63.471032	400.0	251781.0	0.317355	Y
4	STD5 240-661637/6	500.0	164.34147	400.0	266214.0	0.328683	Y
5	STD6 240-661637/5	1000.0	345.390515	400.0	263793.0	0.345391	Y
6	STD7 240-661637/4	1500.0	534.562854	400.0	252673.0	0.356375	Y
7	STD8 240-661637/3	2000.0	678.870087	400.0	263631.0	0.339435	Y
8	STD9 240-661637/2	2500.0	849.559608	400.0	271463.0	0.339824	Y



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Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

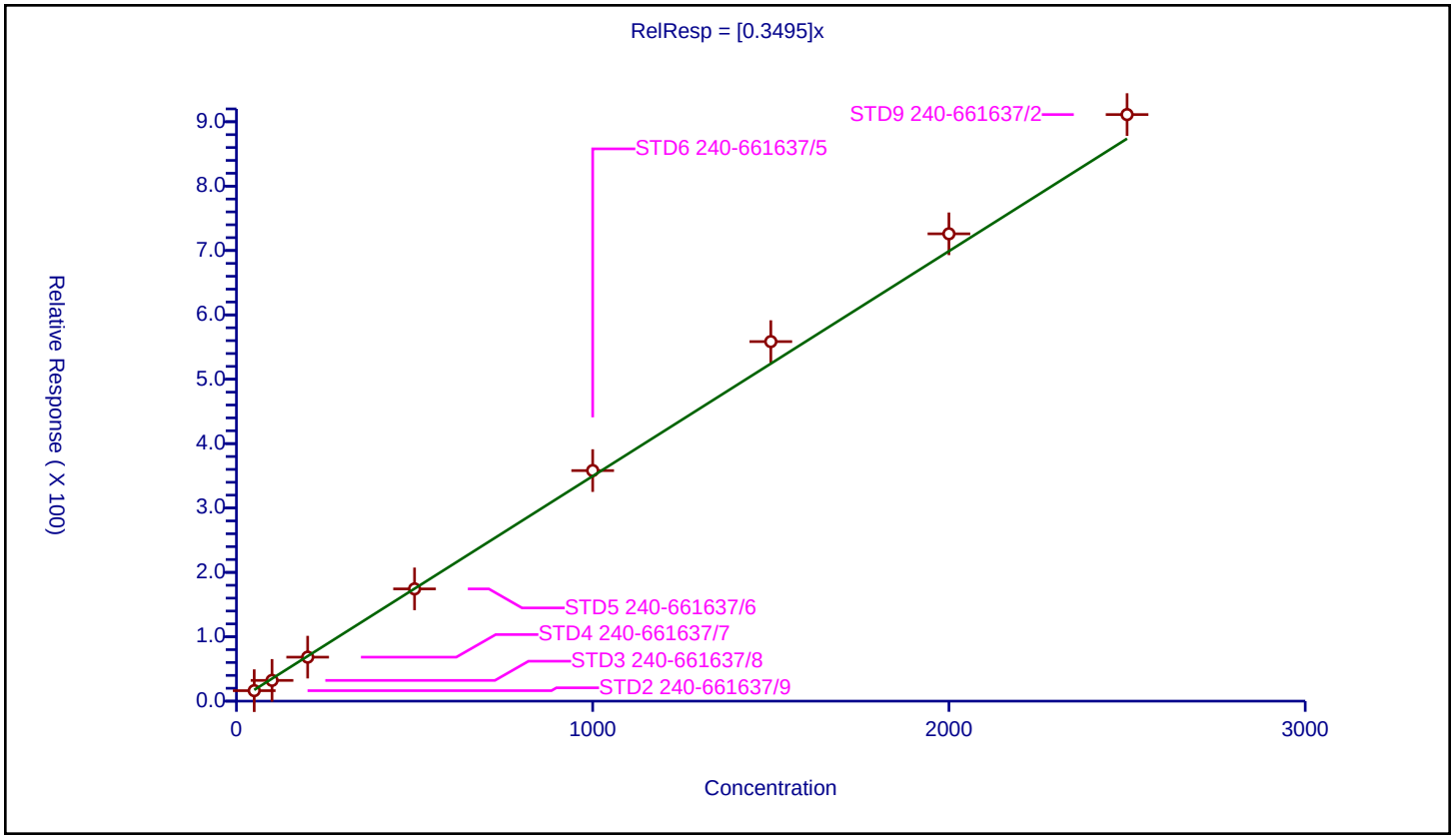
Curve Coefficients

Intercept:	0
Slope:	0.3495

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	16.286671	400.0	229169.0	0.325733	Y
2	STD3 240-661637/8	100.0	32.2129	400.0	247553.0	0.322129	Y
3	STD4 240-661637/7	200.0	68.313336	400.0	251781.0	0.341567	Y
4	STD5 240-661637/6	500.0	174.384518	400.0	266214.0	0.348769	Y
5	STD6 240-661637/5	1000.0	358.156585	400.0	263793.0	0.358157	Y
6	STD7 240-661637/4	1500.0	558.508428	400.0	252673.0	0.372339	Y
7	STD8 240-661637/3	2000.0	725.969252	400.0	263631.0	0.362985	Y
8	STD9 240-661637/2	2500.0	911.170951	400.0	271463.0	0.364468	Y



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Calibration / 2-Fluorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

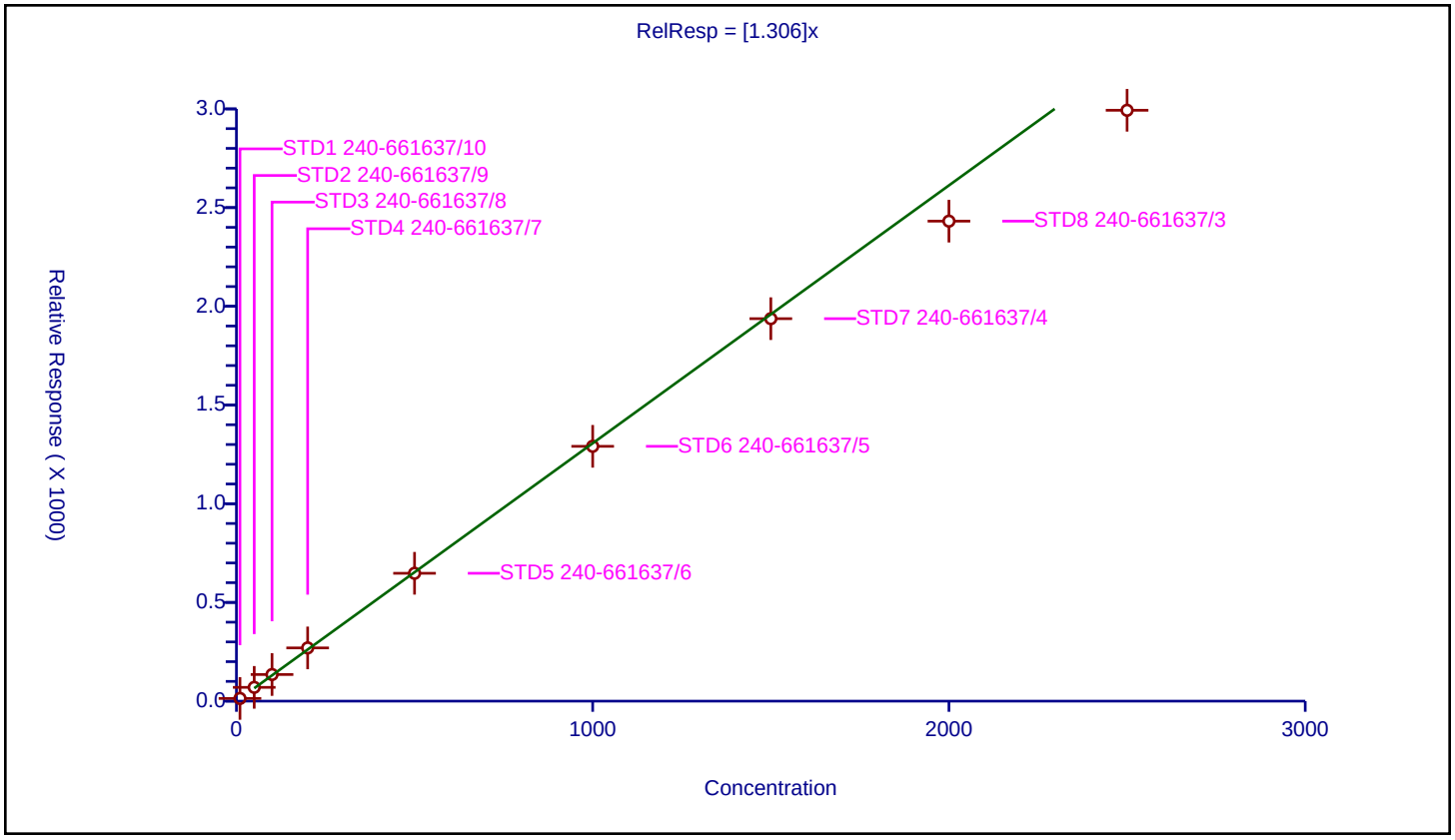
Curve Coefficients

Intercept:	0
Slope:	1.306

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	13.716364	400.0	229886.0	1.371636	Y
2	STD2 240-661637/9	50.0	69.866343	400.0	229169.0	1.397327	Y
3	STD3 240-661637/8	100.0	134.784874	400.0	247553.0	1.347849	Y
4	STD4 240-661637/7	200.0	269.669276	400.0	251781.0	1.348346	Y
5	STD5 240-661637/6	500.0	647.606813	400.0	266214.0	1.295214	Y
6	STD6 240-661637/5	1000.0	1290.809081	400.0	263793.0	1.290809	Y
7	STD7 240-661637/4	1500.0	1937.479667	400.0	252673.0	1.291653	Y
8	STD8 240-661637/3	2000.0	2431.404501	400.0	263631.0	1.215702	Y
9	STD9 240-661637/2	2500.0	2992.970681	400.0	271463.0	1.197188	Y



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Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

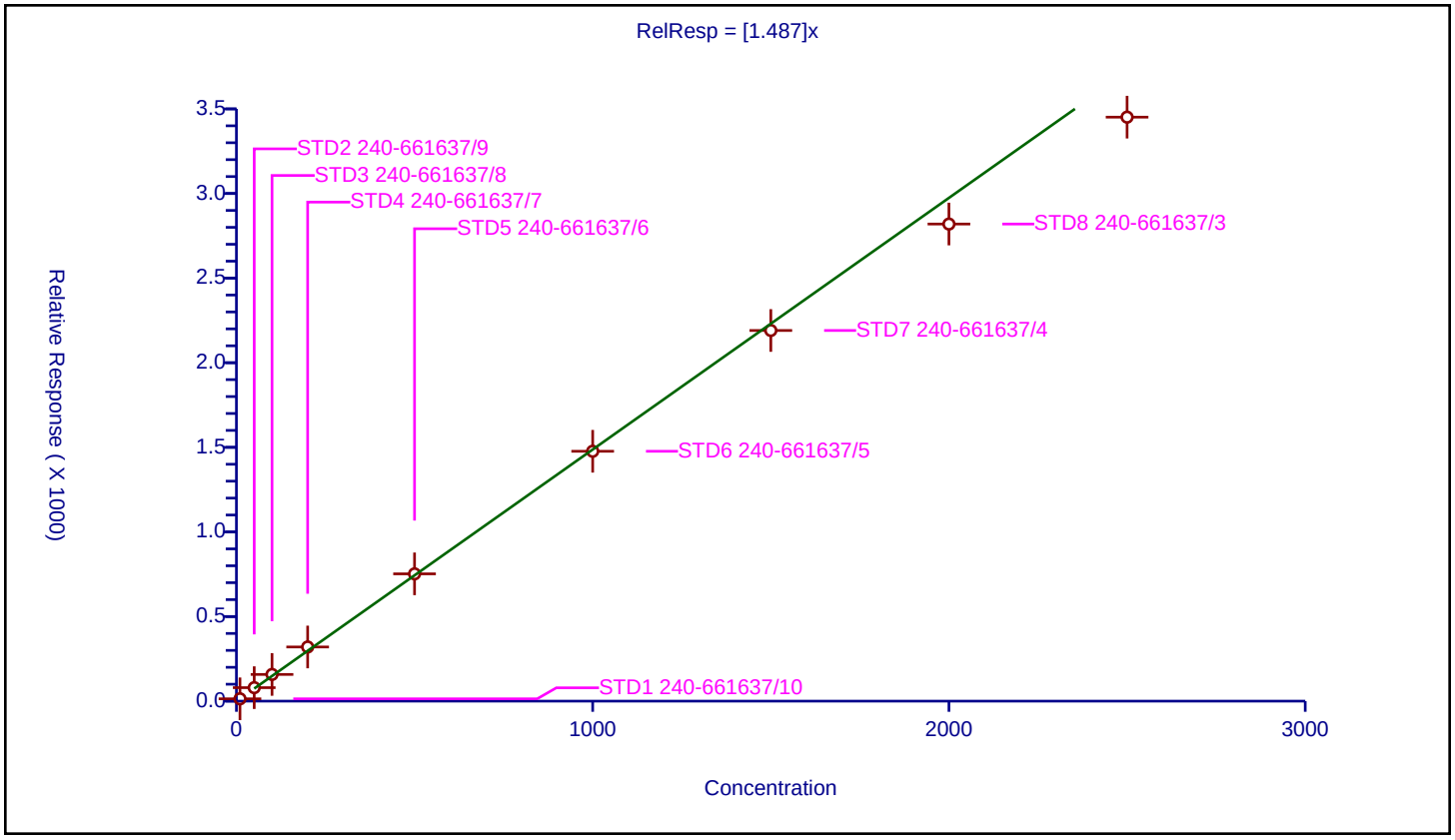
Curve Coefficients

Intercept:	0
Slope:	1.487

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	13.801623	400.0	229886.0	1.380162	Y
2	STD2 240-661637/9	50.0	79.646025	400.0	229169.0	1.592921	Y
3	STD3 240-661637/8	100.0	157.829636	400.0	247553.0	1.578296	Y
4	STD4 240-661637/7	200.0	320.013027	400.0	251781.0	1.600065	Y
5	STD5 240-661637/6	500.0	752.275988	400.0	266214.0	1.504552	Y
6	STD6 240-661637/5	1000.0	1476.645703	400.0	263793.0	1.476646	Y
7	STD7 240-661637/4	1500.0	2190.431111	400.0	252673.0	1.460287	Y
8	STD8 240-661637/3	2000.0	2819.48481	400.0	263631.0	1.409742	Y
9	STD9 240-661637/2	2500.0	3451.237185	400.0	271463.0	1.380495	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

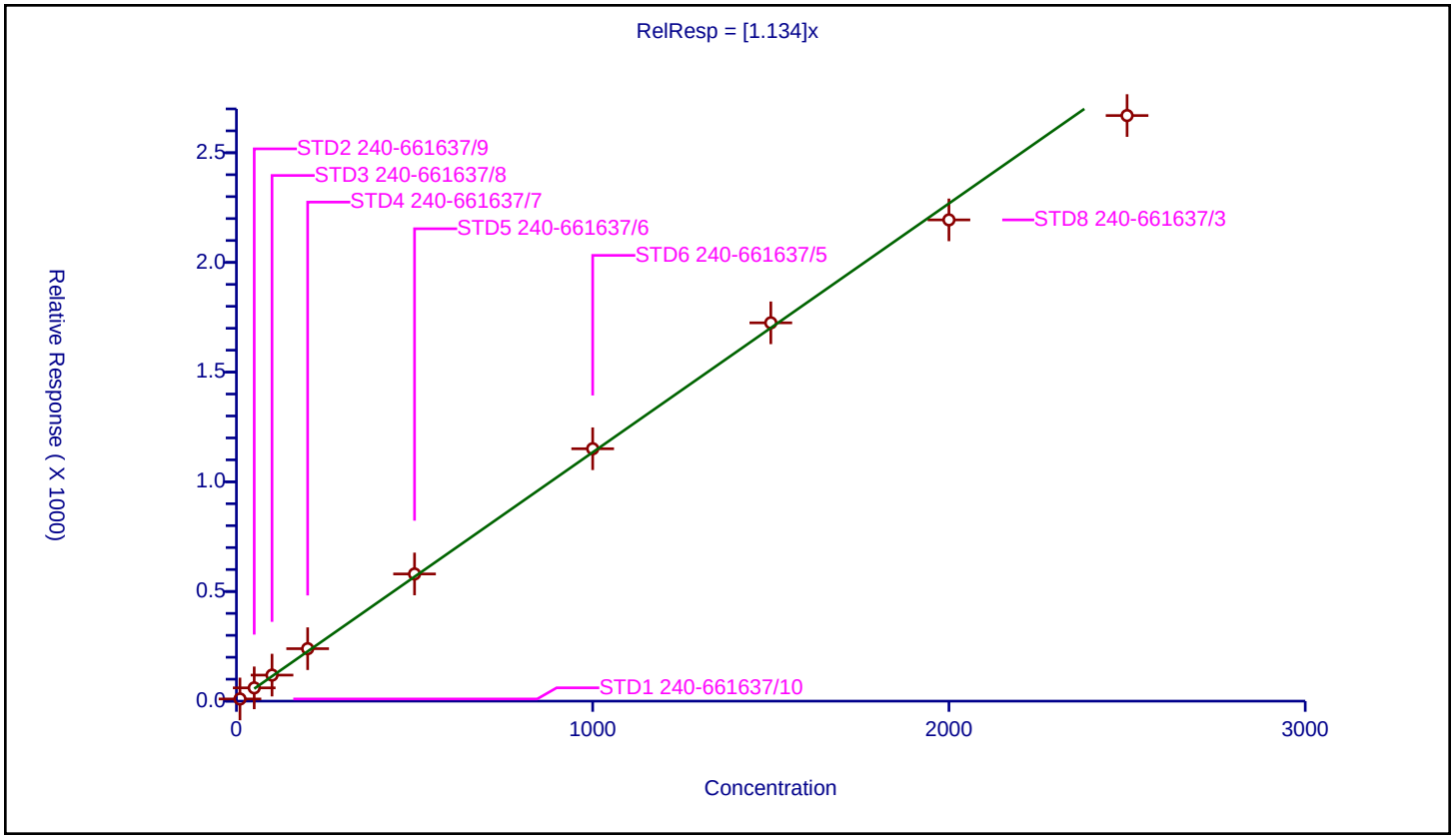
Curve Coefficients

Intercept:	0
Slope:	1.134

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	9.919699	400.0	229886.0	0.99197	Y
2	STD2 240-661637/9	50.0	60.505566	400.0	229169.0	1.210111	Y
3	STD3 240-661637/8	100.0	118.673577	400.0	247553.0	1.186736	Y
4	STD4 240-661637/7	200.0	239.168166	400.0	251781.0	1.195841	Y
5	STD5 240-661637/6	500.0	579.856807	400.0	266214.0	1.159714	Y
6	STD6 240-661637/5	1000.0	1150.682543	400.0	263793.0	1.150683	Y
7	STD7 240-661637/4	1500.0	1724.678141	400.0	252673.0	1.149785	Y
8	STD8 240-661637/3	2000.0	2194.077328	400.0	263631.0	1.097039	Y
9	STD9 240-661637/2	2500.0	2669.5837	400.0	271463.0	1.067833	Y



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Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

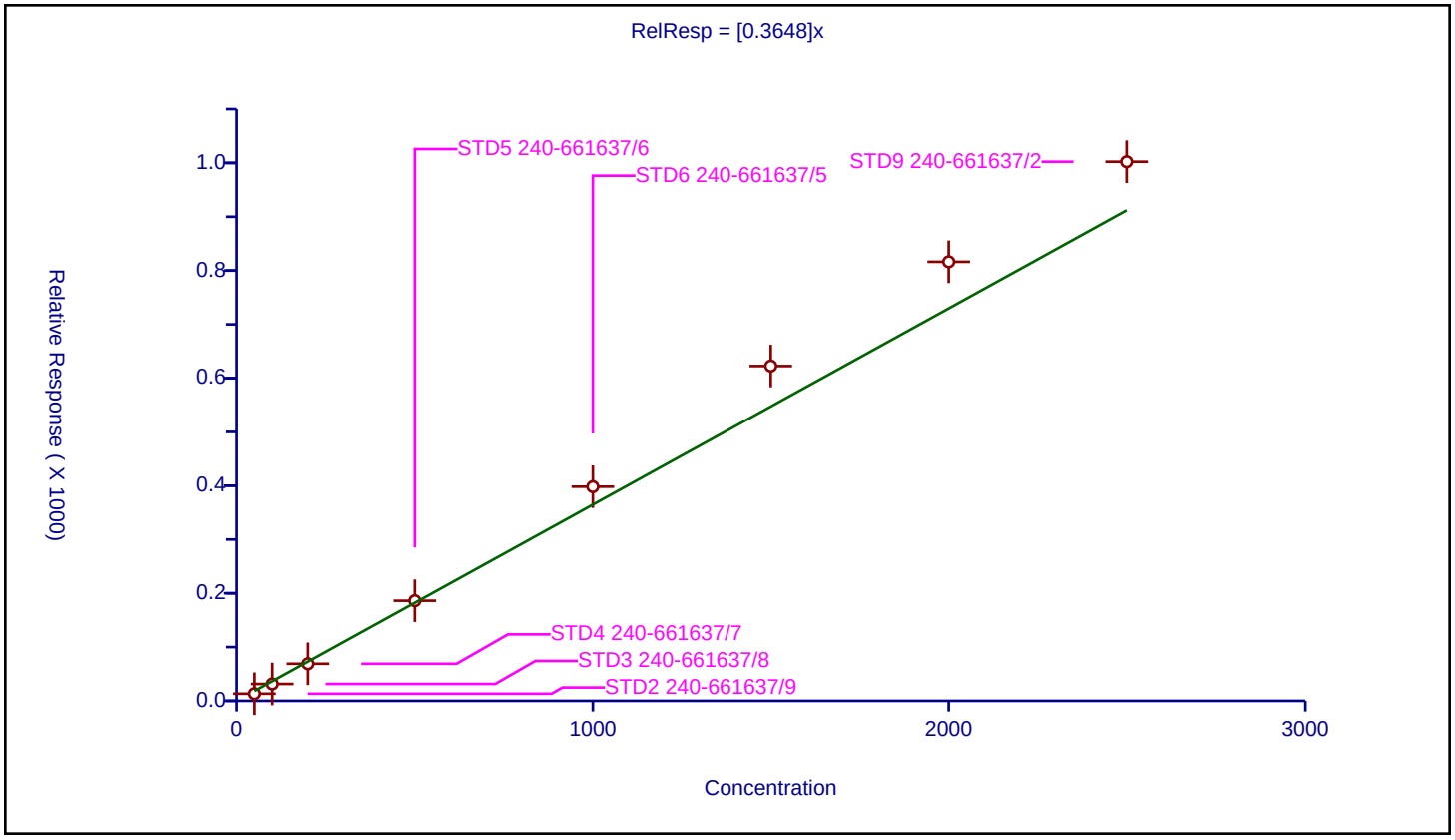
Curve Coefficients

Intercept:	0
Slope:	0.3648

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	13.256592	400.0	229169.0	0.265132	Y
2	STD3 240-661637/8	100.0	31.388834	400.0	247553.0	0.313888	Y
3	STD4 240-661637/7	200.0	68.934511	400.0	251781.0	0.344673	Y
4	STD5 240-661637/6	500.0	186.235134	400.0	266214.0	0.37247	Y
5	STD6 240-661637/5	1000.0	398.180391	400.0	263793.0	0.39818	Y
6	STD7 240-661637/4	1500.0	622.520016	400.0	252673.0	0.415013	Y
7	STD8 240-661637/3	2000.0	816.275779	400.0	263631.0	0.408138	Y
8	STD9 240-661637/2	2500.0	1002.258135	400.0	271463.0	0.400903	Y



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Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

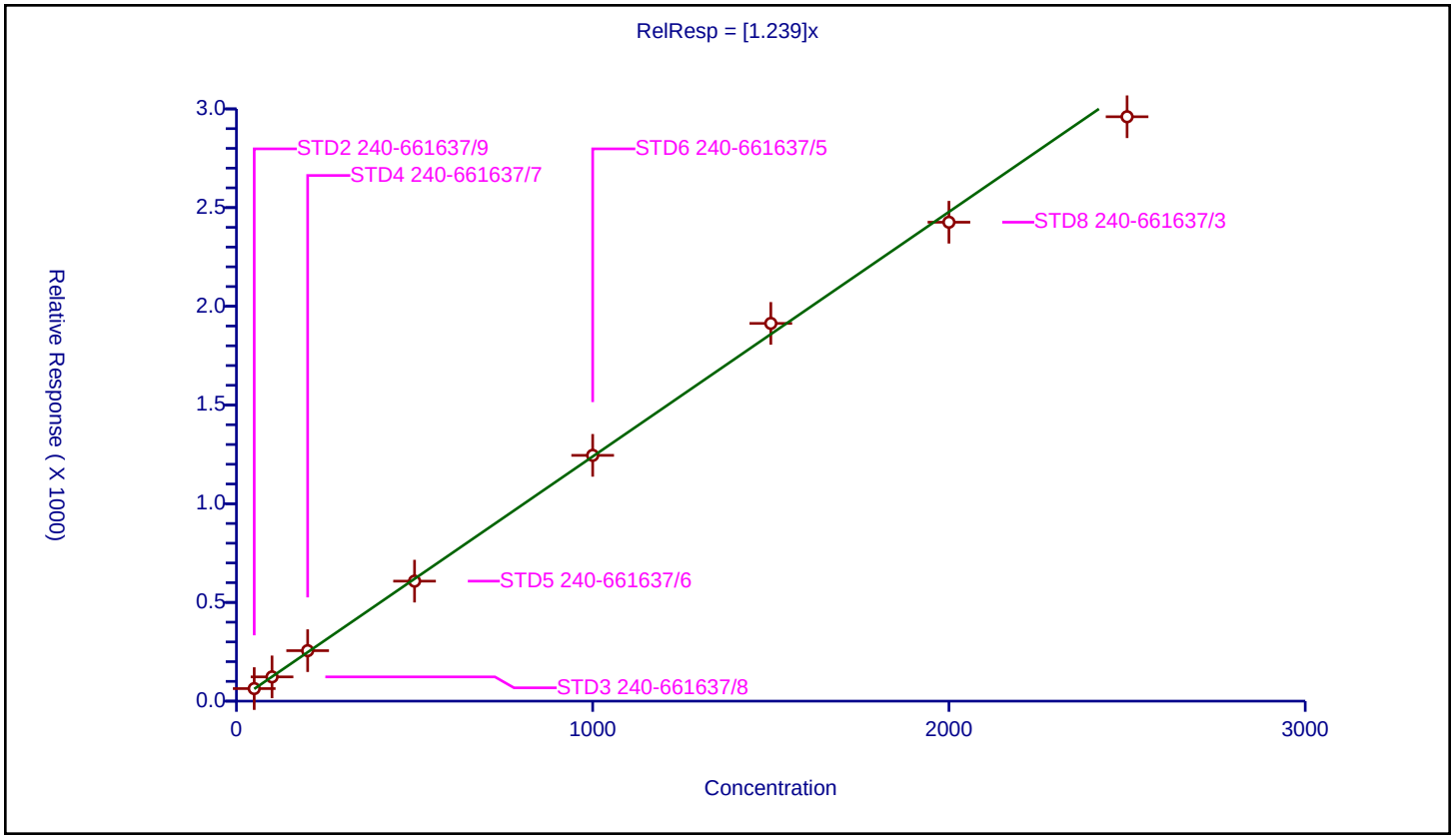
Curve Coefficients

Intercept:	0
Slope:	1.239

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	63.664806	400.0	229169.0	1.273296	Y
2	STD3 240-661637/8	100.0	122.81976	400.0	247553.0	1.228198	Y
3	STD4 240-661637/7	200.0	255.674574	400.0	251781.0	1.278373	Y
4	STD5 240-661637/6	500.0	607.86435	400.0	266214.0	1.215729	Y
5	STD6 240-661637/5	1000.0	1245.018632	400.0	263793.0	1.245019	Y
6	STD7 240-661637/4	1500.0	1913.391617	400.0	252673.0	1.275594	Y
7	STD8 240-661637/3	2000.0	2425.94839	400.0	263631.0	1.212974	Y
8	STD9 240-661637/2	2500.0	2960.203048	400.0	271463.0	1.184081	Y



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Calibration / 1,3-Dinitrobenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

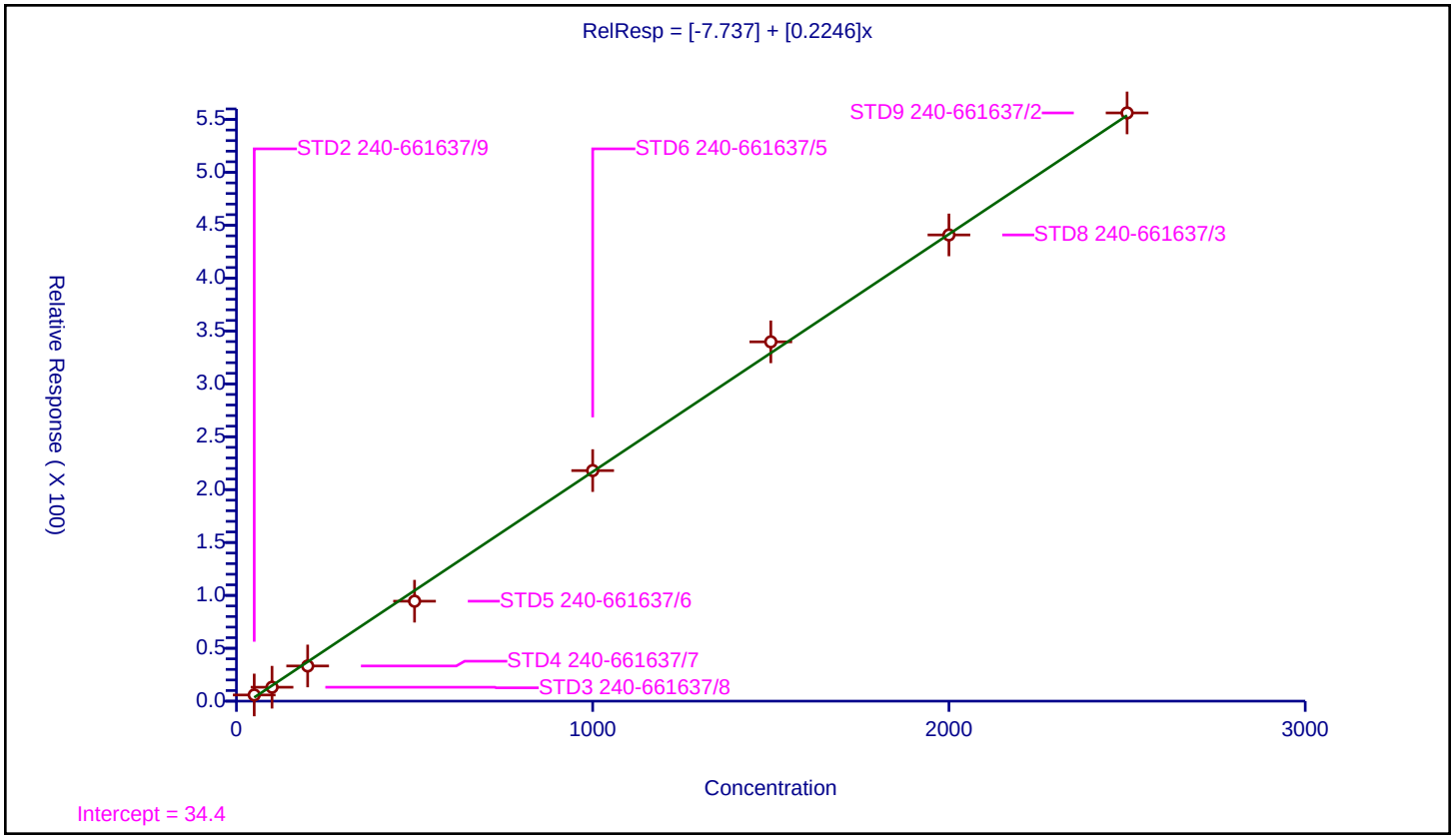
Curve Coefficients

Intercept:	-7.737
Slope:	0.2246

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	5.83325	400.0	229169.0	0.116665	Y
2	STD3 240-661637/8	100.0	13.170513	400.0	247553.0	0.131705	Y
3	STD4 240-661637/7	200.0	33.244764	400.0	251781.0	0.166224	Y
4	STD5 240-661637/6	500.0	94.507426	400.0	266214.0	0.189015	Y
5	STD6 240-661637/5	1000.0	217.999719	400.0	263793.0	0.218	Y
6	STD7 240-661637/4	1500.0	339.754544	400.0	252673.0	0.226503	Y
7	STD8 240-661637/3	2000.0	440.817658	400.0	263631.0	0.220409	Y
8	STD9 240-661637/2	2500.0	556.196609	400.0	271463.0	0.222479	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

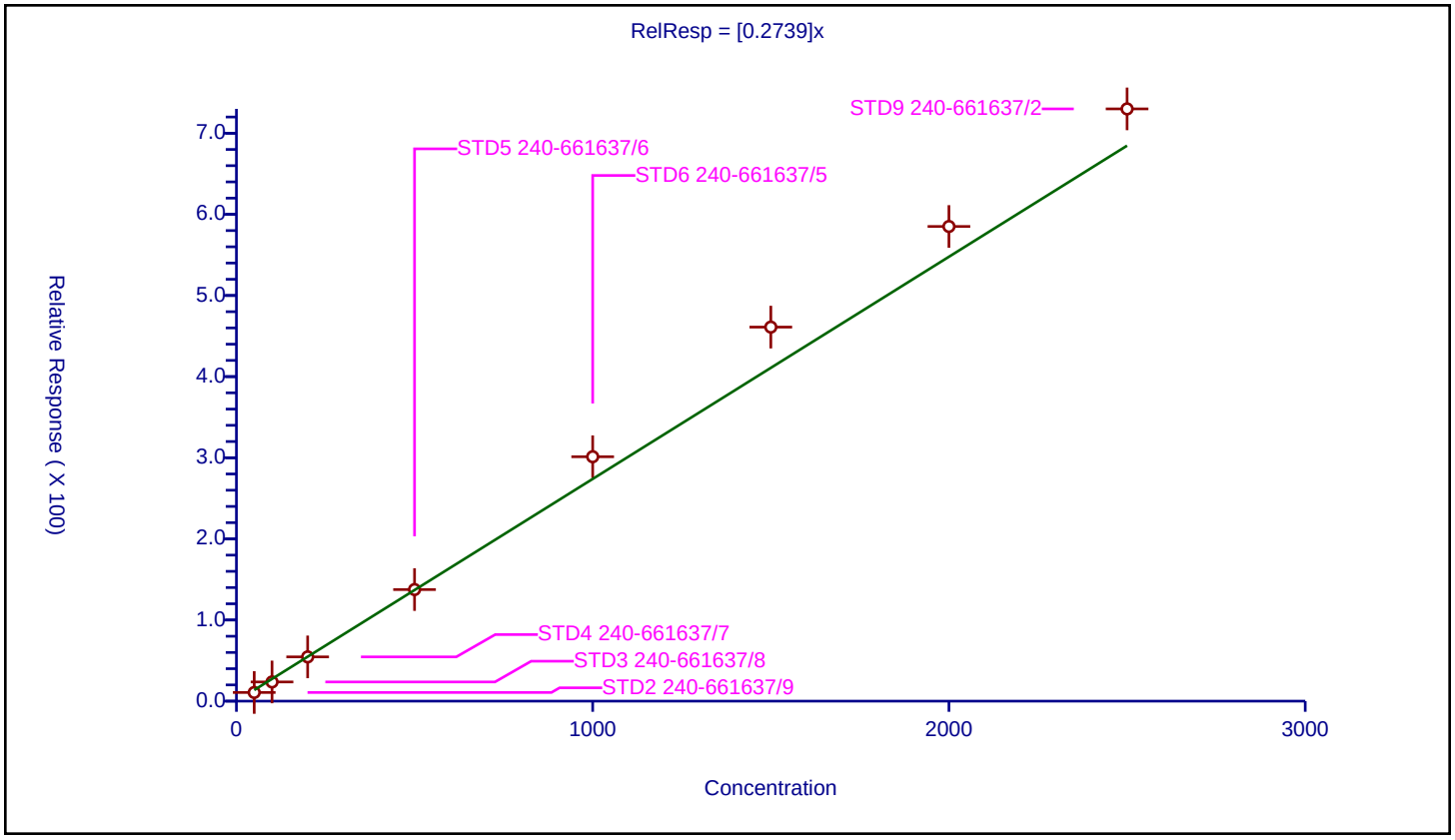
Curve Coefficients

Intercept:	0
Slope:	0.2739

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	10.675091	400.0	229169.0	0.213502	Y
2	STD3 240-661637/8	100.0	23.653925	400.0	247553.0	0.236539	Y
3	STD4 240-661637/7	200.0	54.534695	400.0	251781.0	0.272673	Y
4	STD5 240-661637/6	500.0	137.526952	400.0	266214.0	0.275054	Y
5	STD6 240-661637/5	1000.0	301.260458	400.0	263793.0	0.30126	Y
6	STD7 240-661637/4	1500.0	461.019579	400.0	252673.0	0.307346	Y
7	STD8 240-661637/3	2000.0	585.05411	400.0	263631.0	0.292527	Y
8	STD9 240-661637/2	2500.0	729.994143	400.0	271463.0	0.291998	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

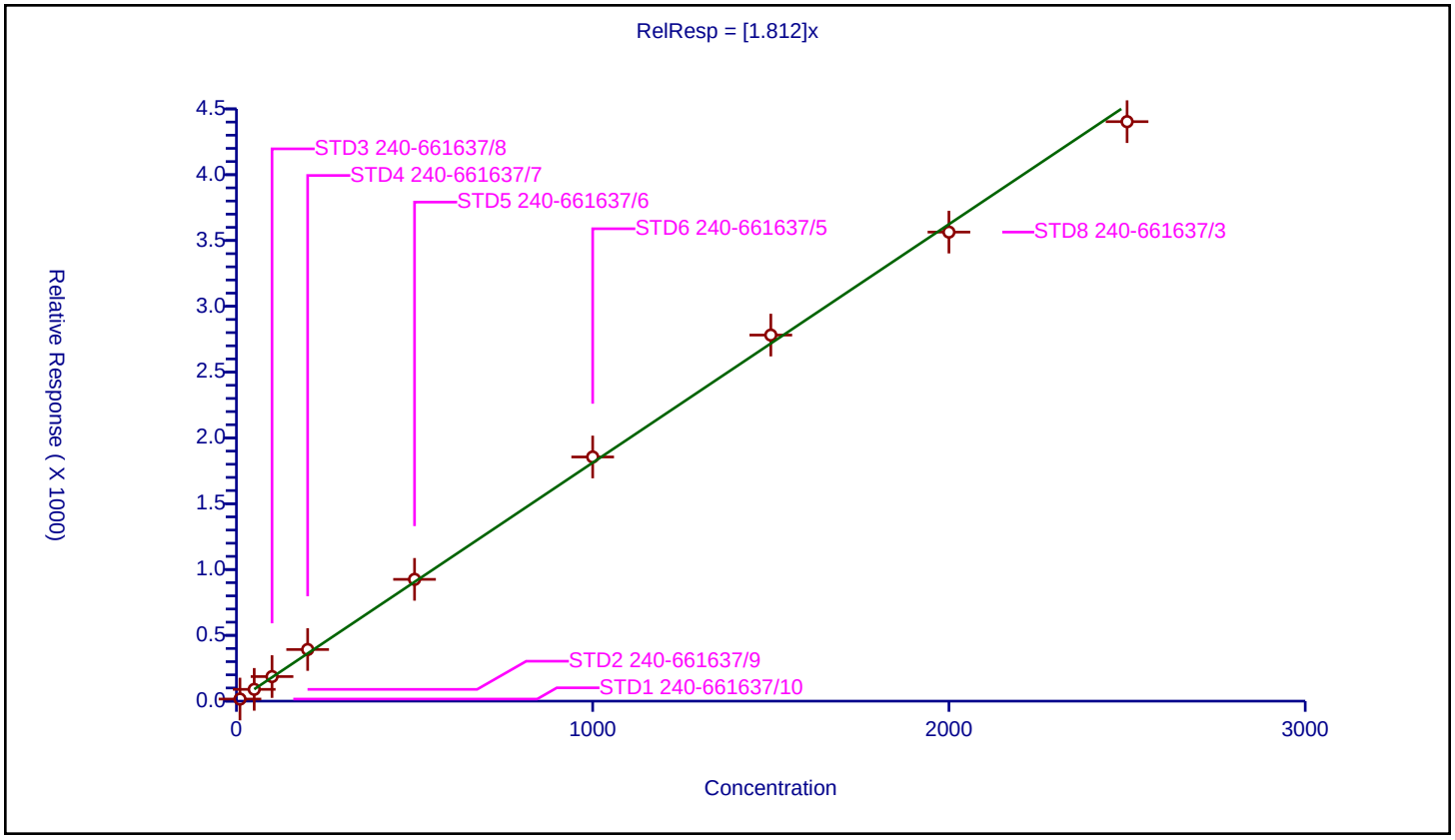
Curve Coefficients

Intercept:	0
Slope:	1.812

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	15.820015	400.0	229886.0	1.582002	Y
2	STD2 240-661637/9	50.0	89.633415	400.0	229169.0	1.792668	Y
3	STD3 240-661637/8	100.0	186.654171	400.0	247553.0	1.866542	Y
4	STD4 240-661637/7	200.0	392.221812	400.0	251781.0	1.961109	Y
5	STD5 240-661637/6	500.0	925.414892	400.0	266214.0	1.85083	Y
6	STD6 240-661637/5	1000.0	1855.228911	400.0	263793.0	1.855229	Y
7	STD7 240-661637/4	1500.0	2781.400466	400.0	252673.0	1.854267	Y
8	STD8 240-661637/3	2000.0	3563.810022	400.0	263631.0	1.781905	Y
9	STD9 240-661637/2	2500.0	4403.039825	400.0	271463.0	1.761216	Y



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Calibration / 3-Nitroaniline

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

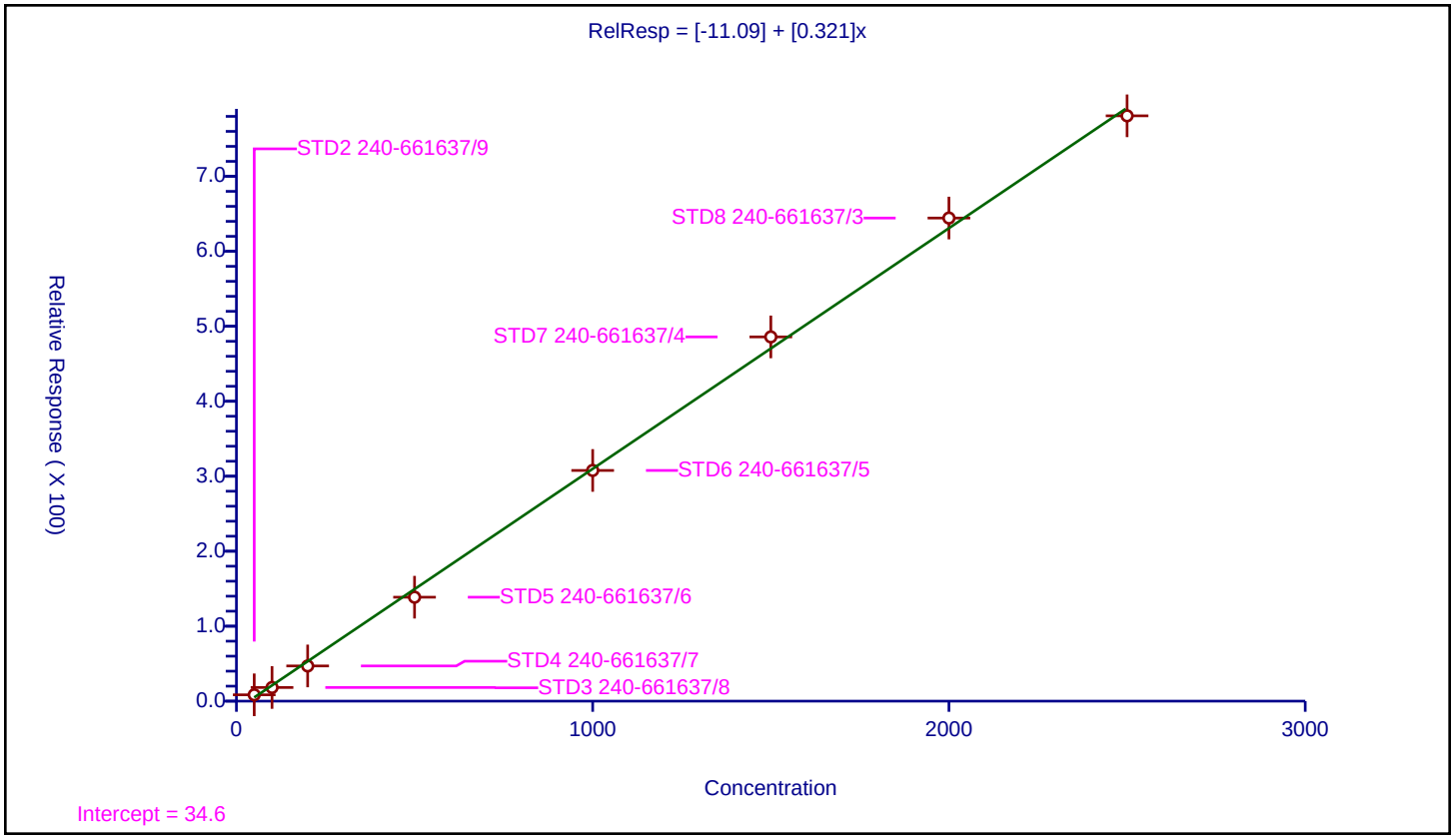
Curve Coefficients

Intercept:	-11.09
Slope:	0.321

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	8.444423	400.0	229169.0	0.168888	Y
2	STD3 240-661637/8	100.0	18.194084	400.0	247553.0	0.181941	Y
3	STD4 240-661637/7	200.0	46.940794	400.0	251781.0	0.234704	Y
4	STD5 240-661637/6	500.0	138.637337	400.0	266214.0	0.277275	Y
5	STD6 240-661637/5	1000.0	307.730683	400.0	263793.0	0.307731	Y
6	STD7 240-661637/4	1500.0	485.848508	400.0	252673.0	0.323899	Y
7	STD8 240-661637/3	2000.0	644.421938	400.0	263631.0	0.322211	Y
8	STD9 240-661637/2	2500.0	780.775281	400.0	271463.0	0.31231	Y



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Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

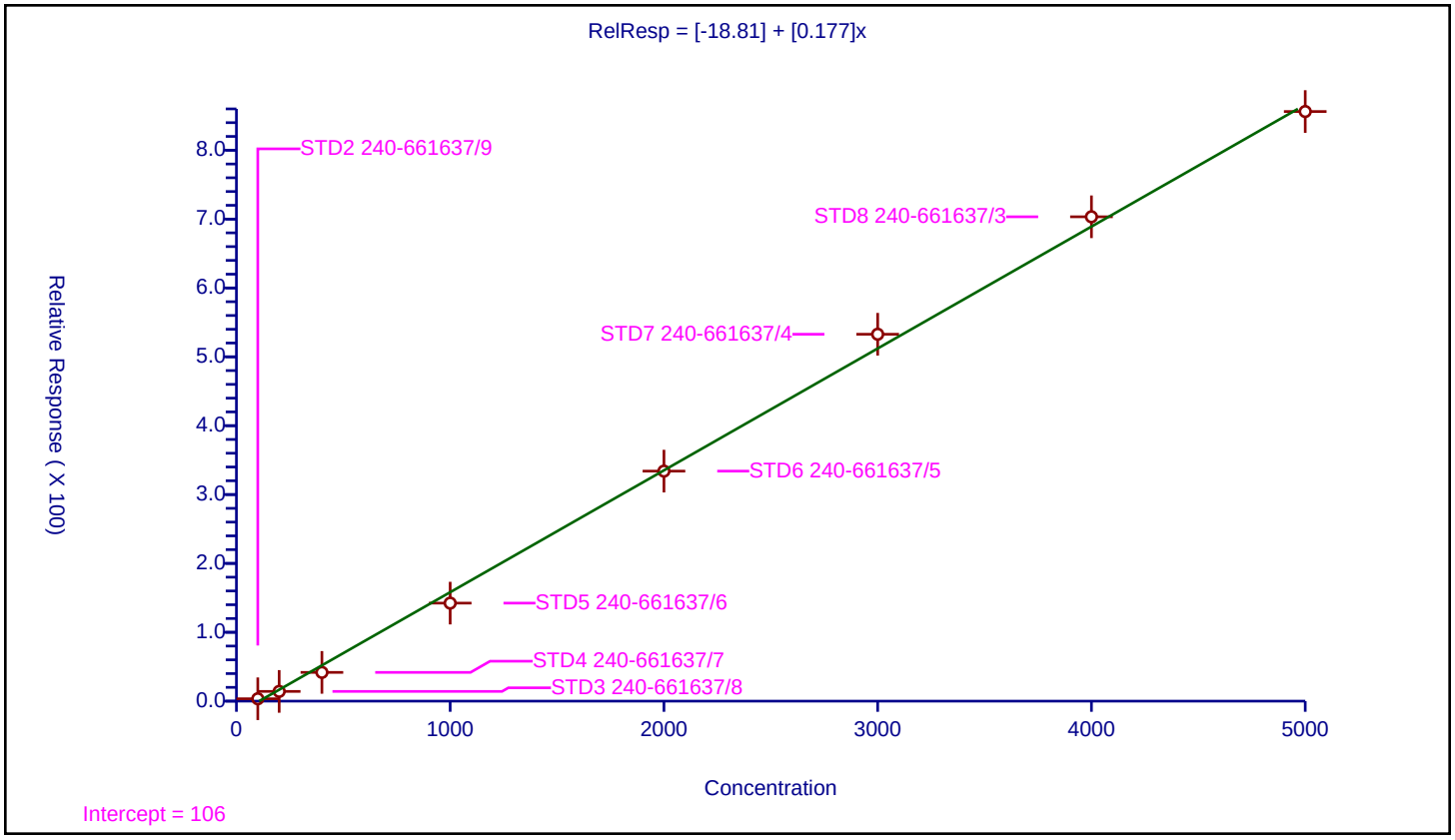
Curve Coefficients

Intercept:	-18.81
Slope:	0.177

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	100.0	3.447238	400.0	229169.0	0.034472	Y
2	STD3 240-661637/8	200.0	14.143234	400.0	247553.0	0.070716	Y
3	STD4 240-661637/7	400.0	41.760101	400.0	251781.0	0.1044	Y
4	STD5 240-661637/6	1000.0	142.357652	400.0	266214.0	0.142358	Y
5	STD6 240-661637/5	2000.0	334.016445	400.0	263793.0	0.167008	Y
6	STD7 240-661637/4	3000.0	532.786645	400.0	252673.0	0.177596	Y
7	STD8 240-661637/3	4000.0	703.316378	400.0	263631.0	0.175829	Y
8	STD9 240-661637/2	5000.0	856.169717	400.0	271463.0	0.171234	Y



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Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

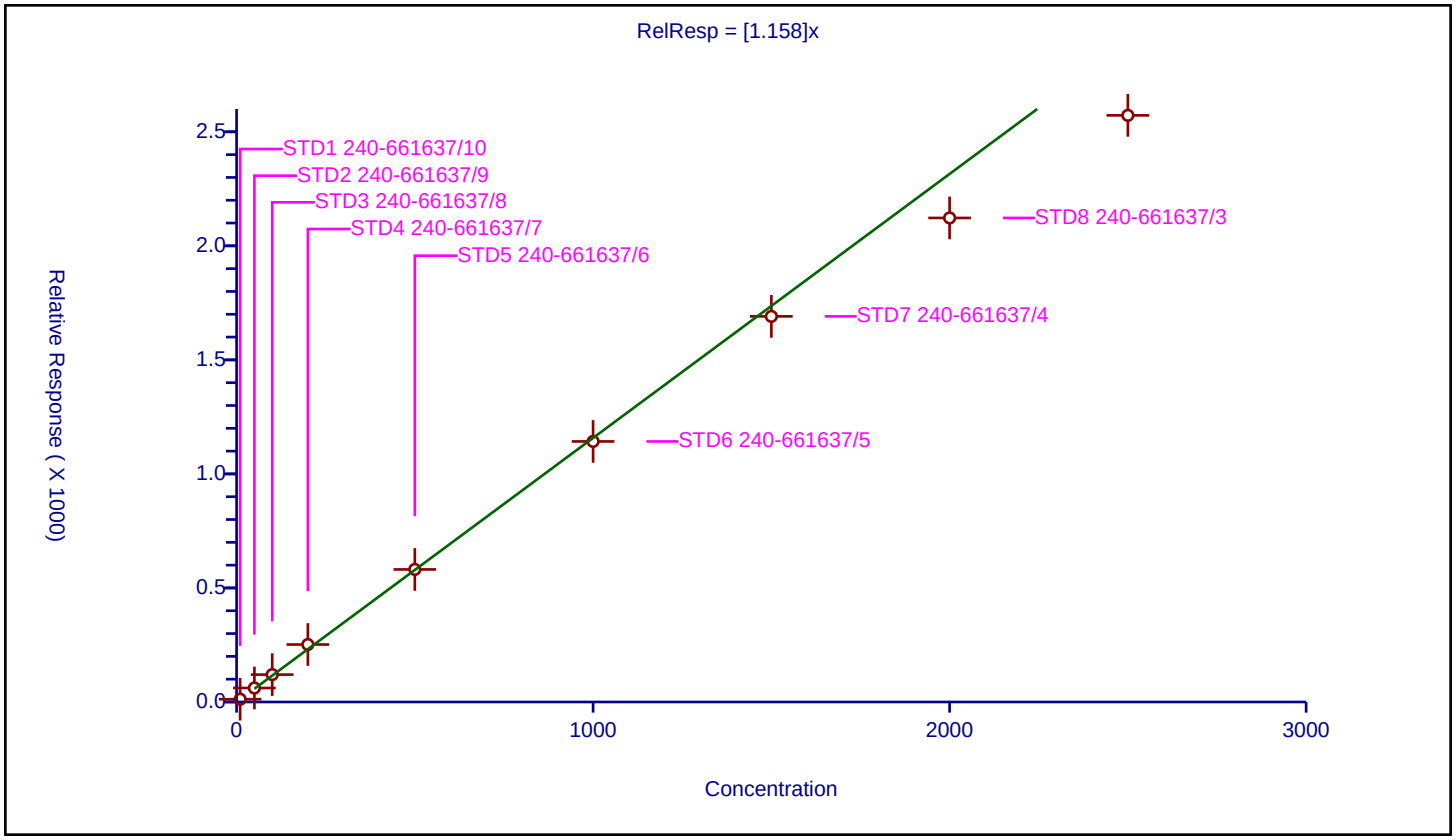
Curve Coefficients

Intercept:	0
Slope:	1.158

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	12.09295	400.0	229886.0	1.209295	Y
2	STD2 240-661637/9	50.0	61.371302	400.0	229169.0	1.227426	Y
3	STD3 240-661637/8	100.0	120.059947	400.0	247553.0	1.200599	Y
4	STD4 240-661637/7	200.0	251.963413	400.0	251781.0	1.259817	Y
5	STD5 240-661637/6	500.0	581.225631	400.0	266214.0	1.162451	Y
6	STD6 240-661637/5	1000.0	1142.413938	400.0	263793.0	1.142414	Y
7	STD7 240-661637/4	1500.0	1690.775033	400.0	252673.0	1.127183	Y
8	STD8 240-661637/3	2000.0	2122.3498	400.0	263631.0	1.061175	Y
9	STD9 240-661637/2	2500.0	2572.151638	400.0	271463.0	1.028861	Y



Calibration / 4-Nitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

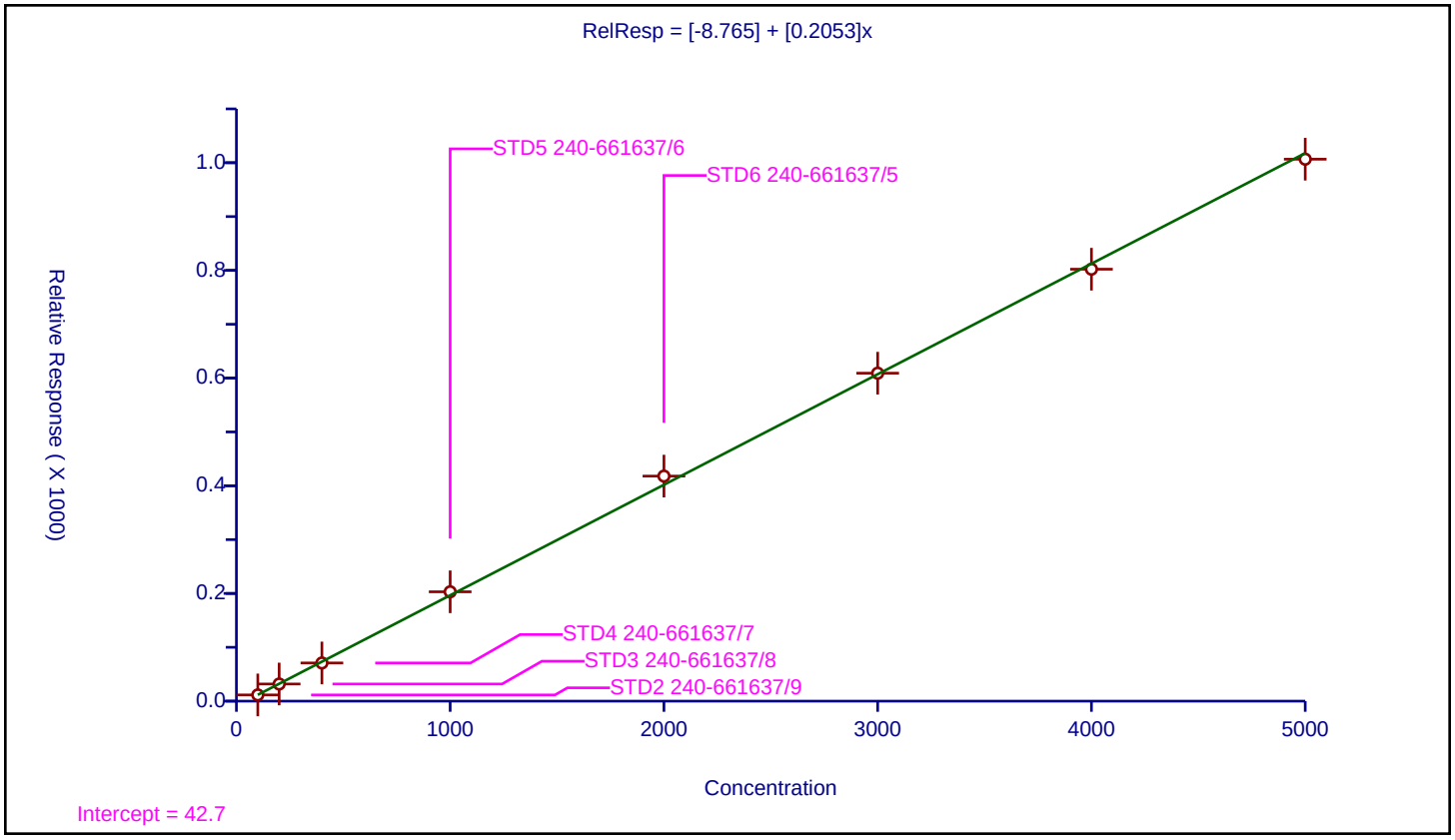
Curve Coefficients

Intercept:	-8.765
Slope:	0.2053

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	100.0	11.5705	400.0	229169.0	0.115705	Y
2	STD3 240-661637/8	200.0	31.834799	400.0	247553.0	0.159174	Y
3	STD4 240-661637/7	400.0	70.88859	400.0	251781.0	0.177221	Y
4	STD5 240-661637/6	1000.0	203.113285	400.0	266214.0	0.203113	Y
5	STD6 240-661637/5	2000.0	417.962569	400.0	263793.0	0.208981	Y
6	STD7 240-661637/4	3000.0	609.128795	400.0	252673.0	0.203043	Y
7	STD8 240-661637/3	4000.0	802.266805	400.0	263631.0	0.200567	Y
8	STD9 240-661637/2	5000.0	1006.551906	400.0	271463.0	0.20131	Y



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Calibration / 2,4-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

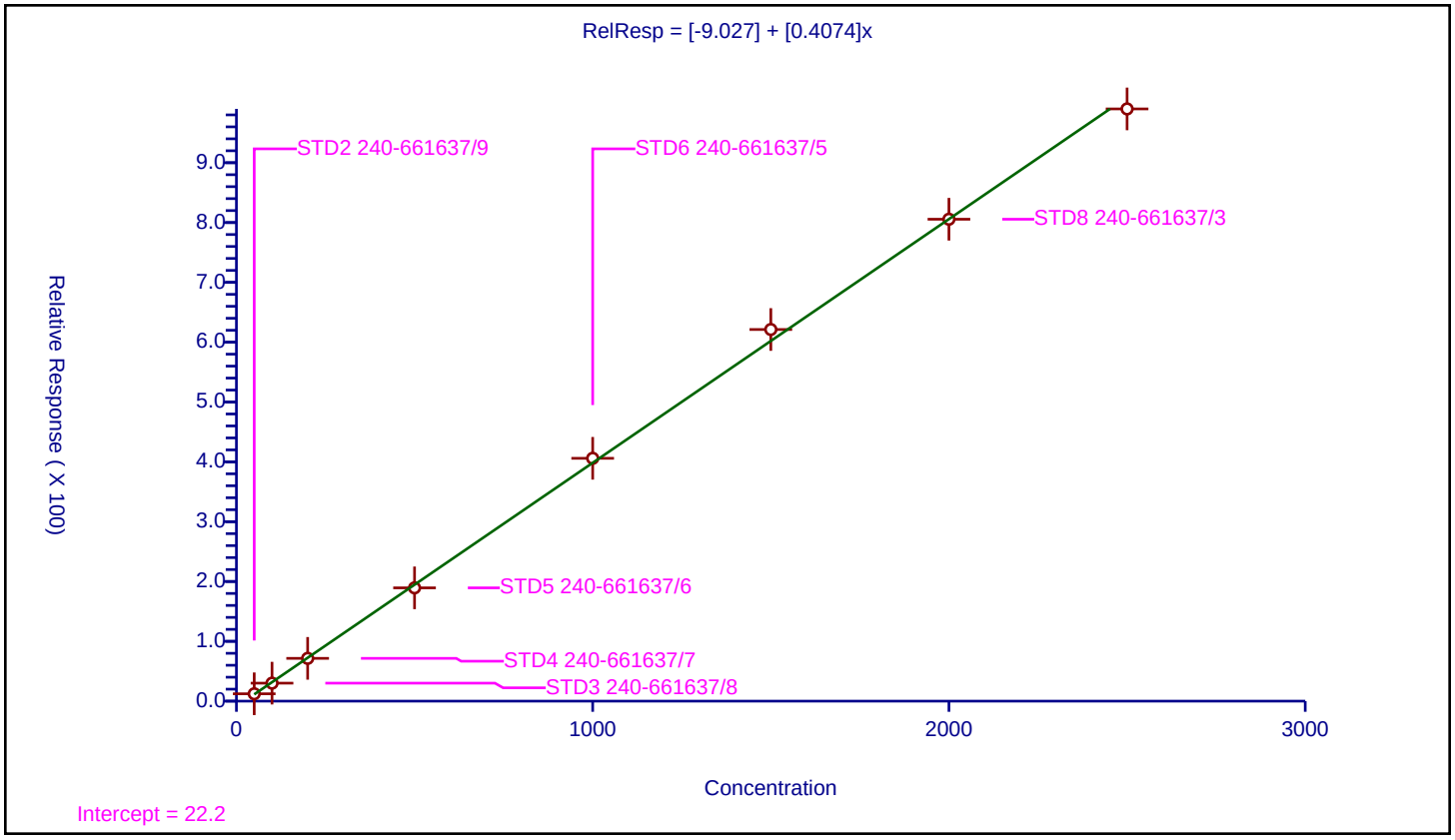
Curve Coefficients

Intercept:	-9.027
Slope:	0.4074

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	12.310566	400.0	229169.0	0.246211	Y
2	STD3 240-661637/8	100.0	30.075176	400.0	247553.0	0.300752	Y
3	STD4 240-661637/7	200.0	71.512942	400.0	251781.0	0.357565	Y
4	STD5 240-661637/6	500.0	189.364947	400.0	266214.0	0.37873	Y
5	STD6 240-661637/5	1000.0	405.90463	400.0	263793.0	0.405905	Y
6	STD7 240-661637/4	1500.0	621.210814	400.0	252673.0	0.414141	Y
7	STD8 240-661637/3	2000.0	805.548665	400.0	263631.0	0.402774	Y
8	STD9 240-661637/2	2500.0	989.963273	400.0	271463.0	0.395985	Y



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Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

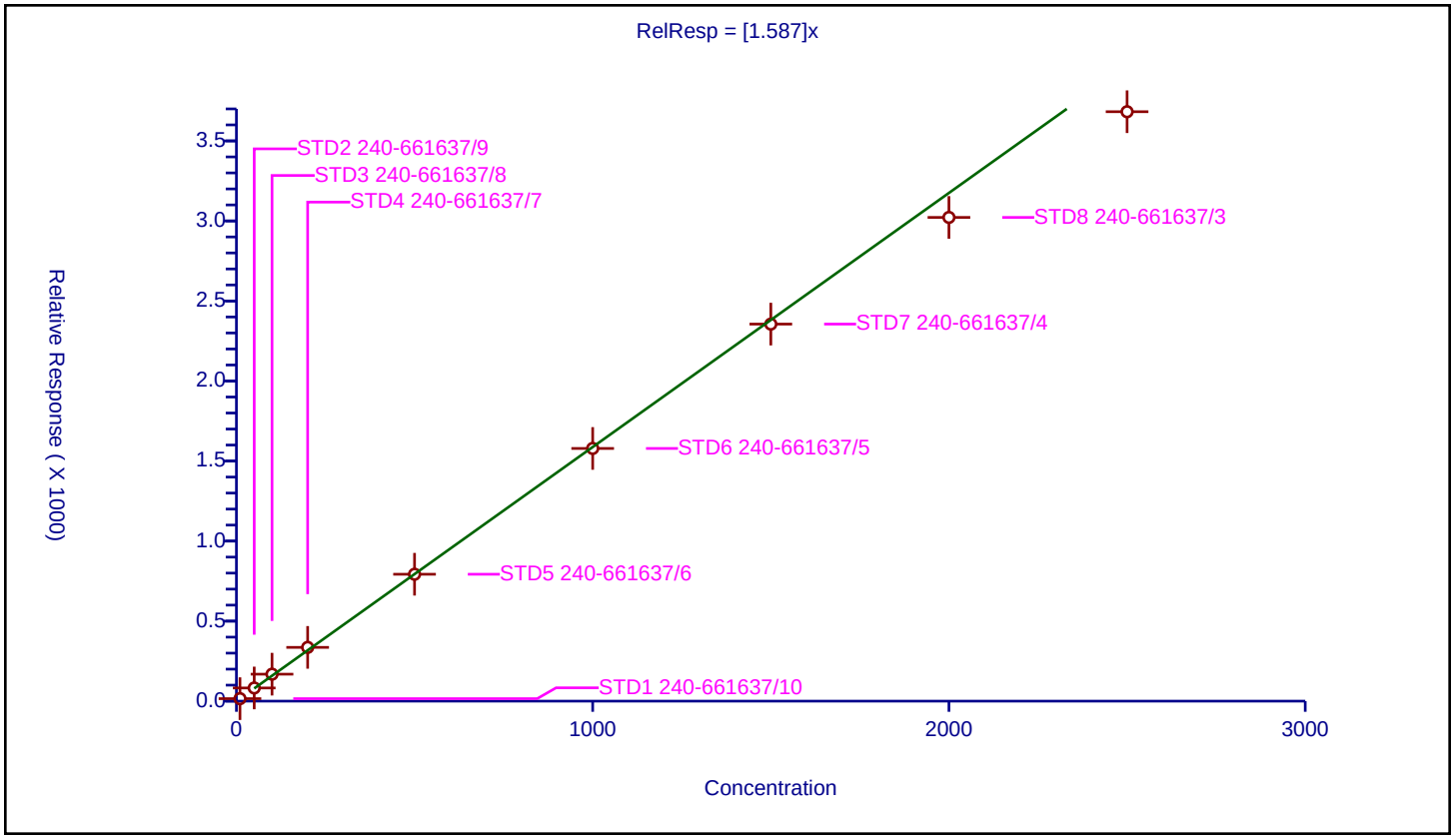
Curve Coefficients

Intercept:	0
Slope:	1.587

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	15.592076	400.0	229886.0	1.559208	Y
2	STD2 240-661637/9	50.0	82.320035	400.0	229169.0	1.646401	Y
3	STD3 240-661637/8	100.0	168.390607	400.0	247553.0	1.683906	Y
4	STD4 240-661637/7	200.0	335.799762	400.0	251781.0	1.678999	Y
5	STD5 240-661637/6	500.0	792.843352	400.0	266214.0	1.585687	Y
6	STD6 240-661637/5	1000.0	1578.659024	400.0	263793.0	1.578659	Y
7	STD7 240-661637/4	1500.0	2355.545705	400.0	252673.0	1.570364	Y
8	STD8 240-661637/3	2000.0	3022.017896	400.0	263631.0	1.511009	Y
9	STD9 240-661637/2	2500.0	3682.306613	400.0	271463.0	1.472923	Y



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Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

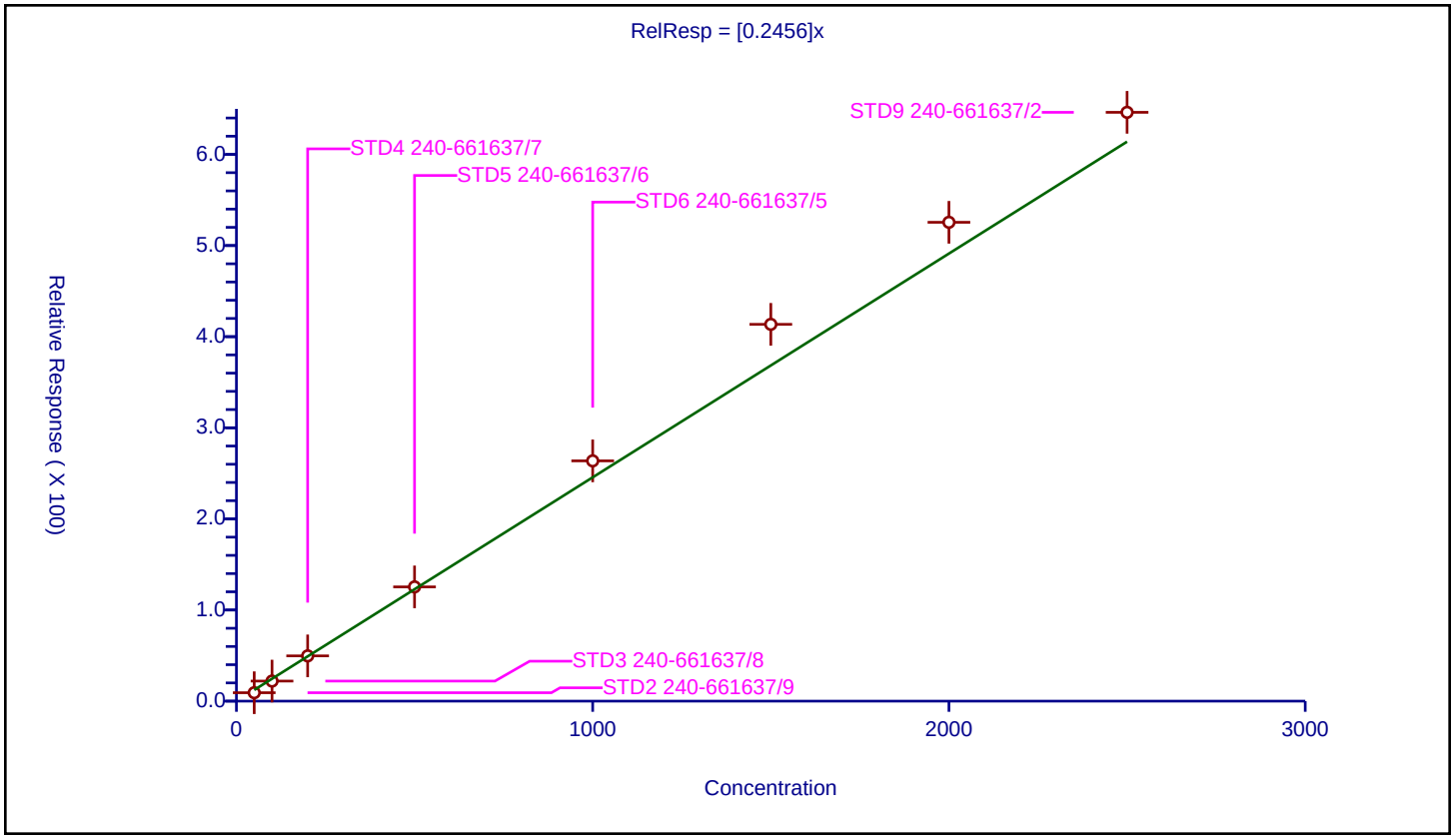
Curve Coefficients

Intercept:	0
Slope:	0.2456

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	9.243833	400.0	229169.0	0.184877	Y
2	STD3 240-661637/8	100.0	22.015488	400.0	247553.0	0.220155	Y
3	STD4 240-661637/7	200.0	49.673327	400.0	251781.0	0.248367	Y
4	STD5 240-661637/6	500.0	125.393856	400.0	266214.0	0.250788	Y
5	STD6 240-661637/5	1000.0	263.712835	400.0	263793.0	0.263713	Y
6	STD7 240-661637/4	1500.0	413.543196	400.0	252673.0	0.275695	Y
7	STD8 240-661637/3	2000.0	525.536071	400.0	263631.0	0.262768	Y
8	STD9 240-661637/2	2500.0	646.231715	400.0	271463.0	0.258493	Y



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Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

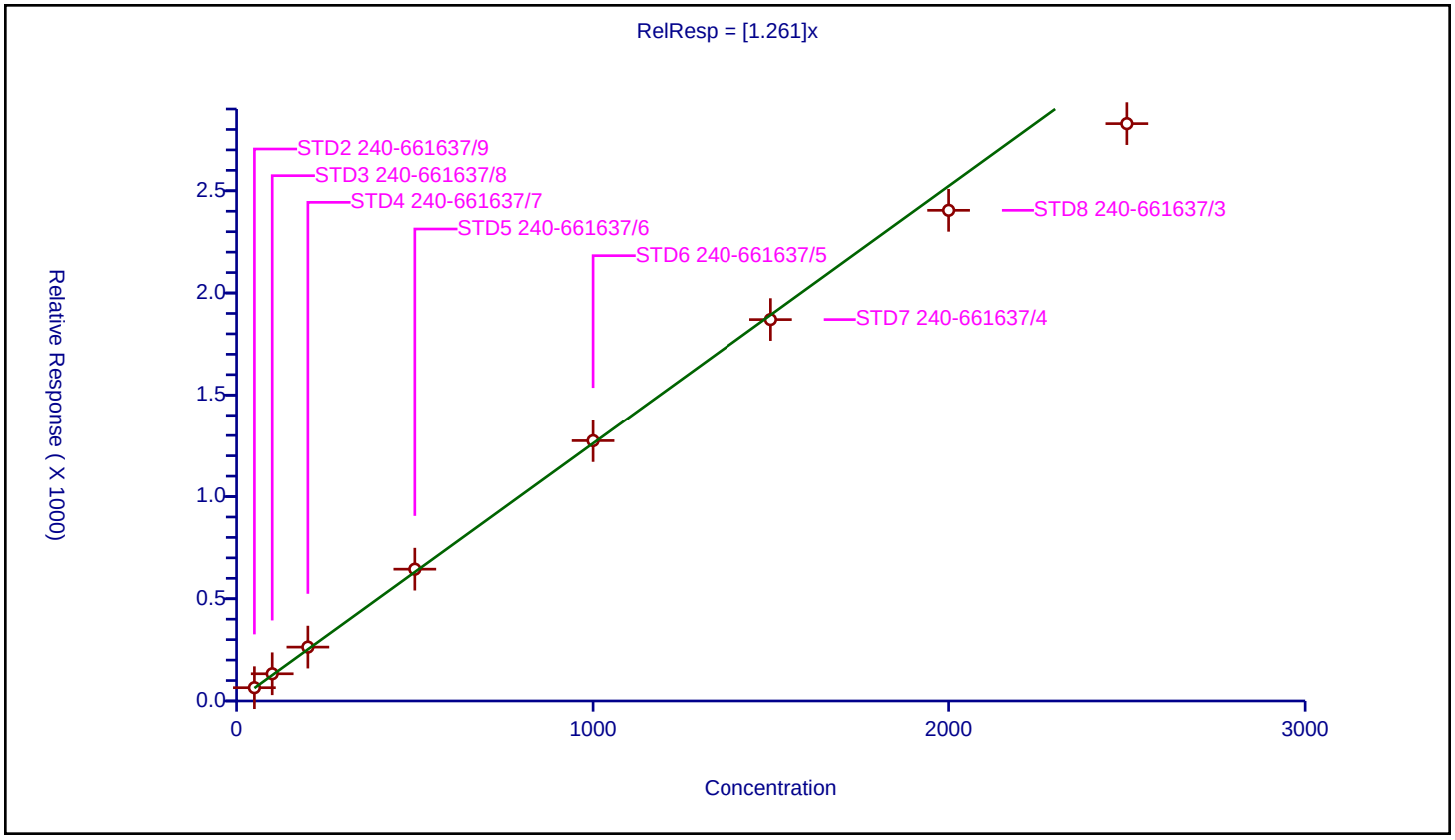
Curve Coefficients

Intercept:	0
Slope:	1.261

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	64.954684	400.0	229169.0	1.299094	Y
2	STD3 240-661637/8	100.0	133.107658	400.0	247553.0	1.331077	Y
3	STD4 240-661637/7	200.0	263.509955	400.0	251781.0	1.31755	Y
4	STD5 240-661637/6	500.0	644.681347	400.0	266214.0	1.289363	Y
5	STD6 240-661637/5	1000.0	1274.356787	400.0	263793.0	1.274357	Y
6	STD7 240-661637/4	1500.0	1869.92516	400.0	252673.0	1.246617	Y
7	STD8 240-661637/3	2000.0	2404.497195	400.0	263631.0	1.202249	Y
8	STD9 240-661637/2	2500.0	2828.481229	400.0	271463.0	1.131392	Y



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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

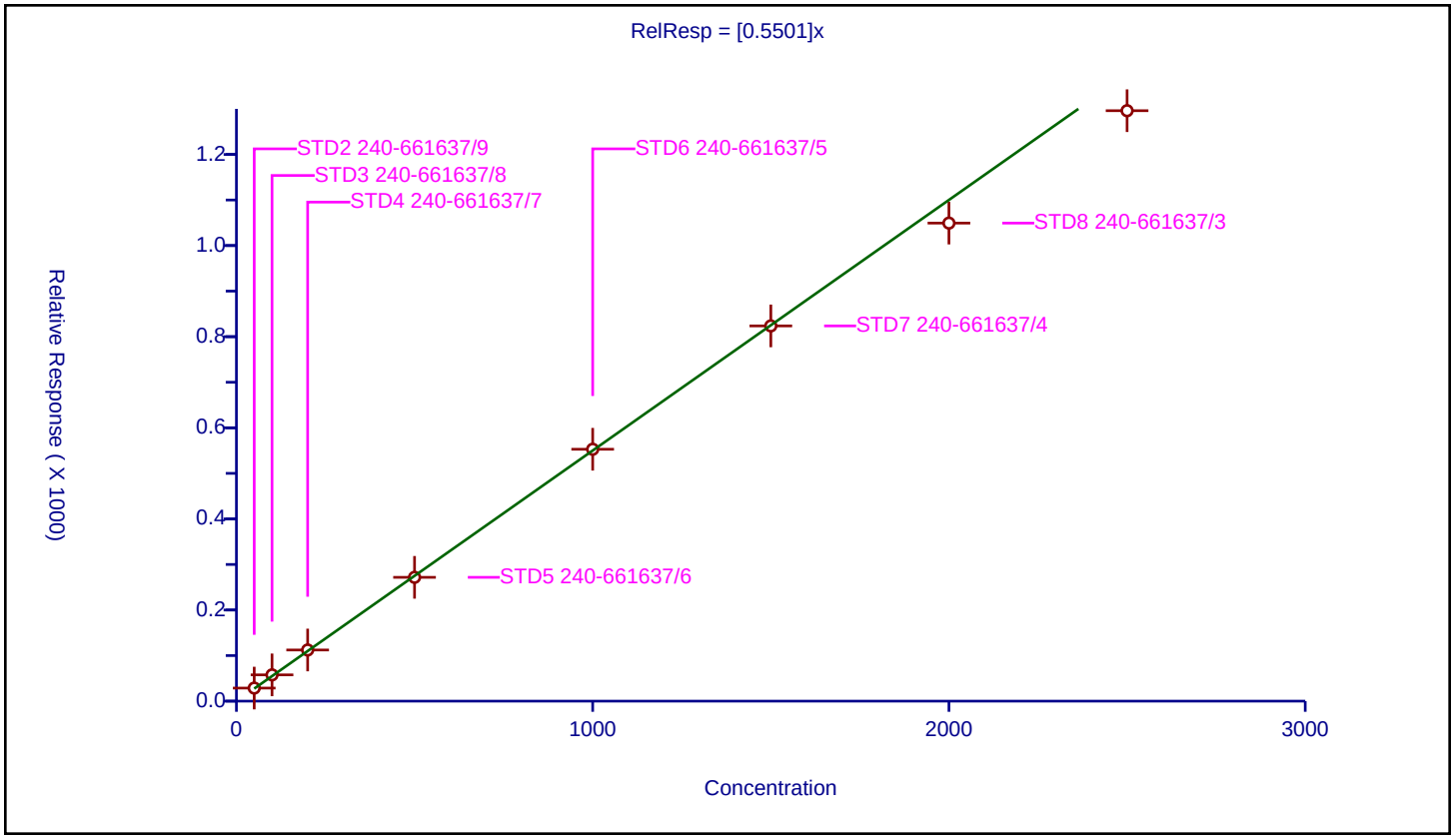
Curve Coefficients

Intercept:	0
Slope:	0.5501

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	28.700217	400.0	229169.0	0.574004	Y
2	STD3 240-661637/8	100.0	57.657148	400.0	247553.0	0.576571	Y
3	STD4 240-661637/7	200.0	112.280116	400.0	251781.0	0.561401	Y
4	STD5 240-661637/6	500.0	271.772334	400.0	266214.0	0.543545	Y
5	STD6 240-661637/5	1000.0	552.891093	400.0	263793.0	0.552891	Y
6	STD7 240-661637/4	1500.0	823.654288	400.0	252673.0	0.549103	Y
7	STD8 240-661637/3	2000.0	1049.290865	400.0	263631.0	0.524645	Y
8	STD9 240-661637/2	2500.0	1296.051396	400.0	271463.0	0.518421	Y



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Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

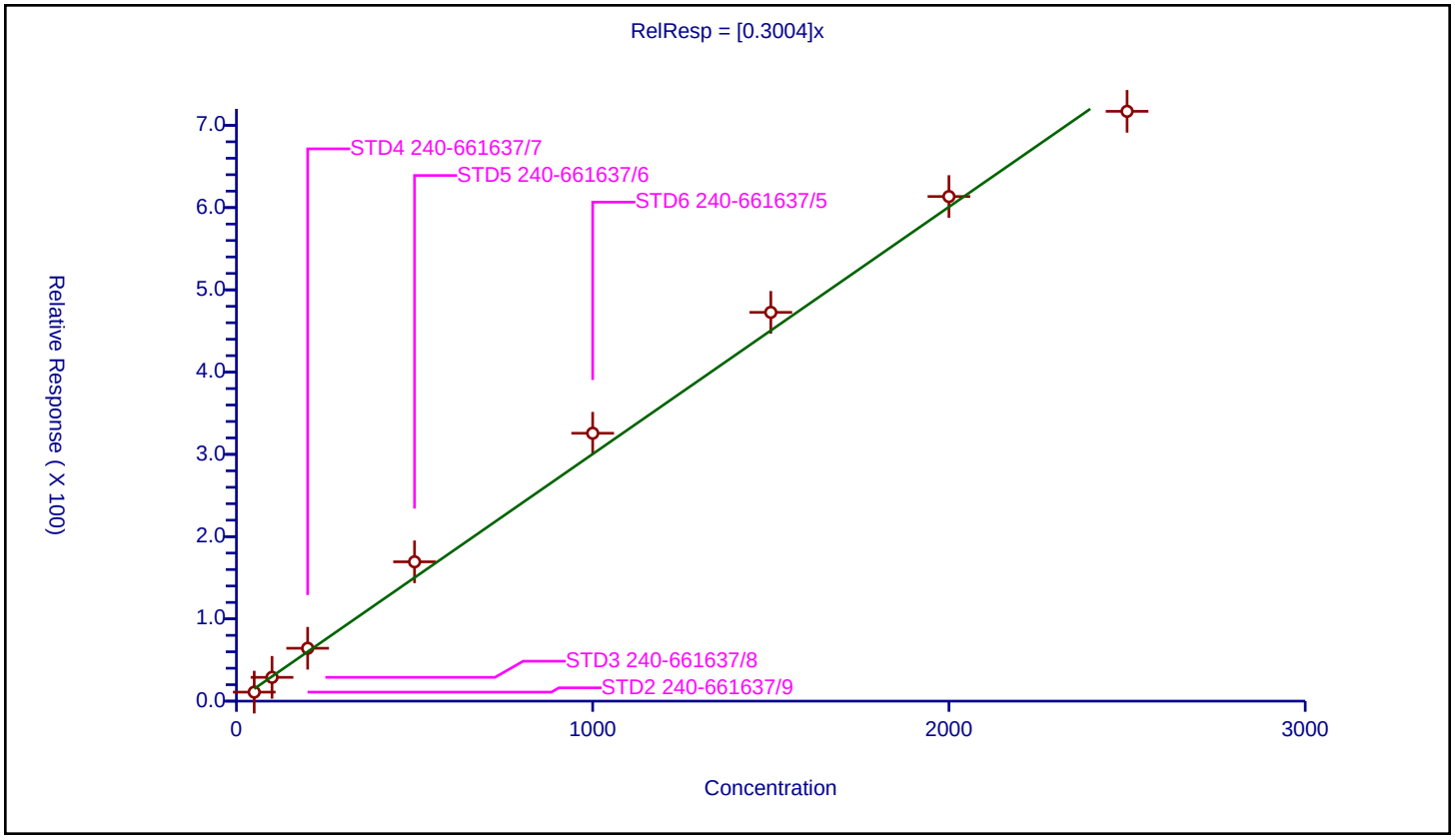
Curve Coefficients

Intercept:	0
Slope:	0.3004

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	10.975306	400.0	229169.0	0.219506	Y
2	STD3 240-661637/8	100.0	28.91502	400.0	247553.0	0.28915	Y
3	STD4 240-661637/7	200.0	64.292381	400.0	251781.0	0.321462	Y
4	STD5 240-661637/6	500.0	169.379522	400.0	266214.0	0.338759	Y
5	STD6 240-661637/5	1000.0	325.693252	400.0	263793.0	0.325693	Y
6	STD7 240-661637/4	1500.0	472.653588	400.0	252673.0	0.315102	Y
7	STD8 240-661637/3	2000.0	613.455929	400.0	263631.0	0.306728	Y
8	STD9 240-661637/2	2500.0	717.042102	400.0	271463.0	0.286817	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

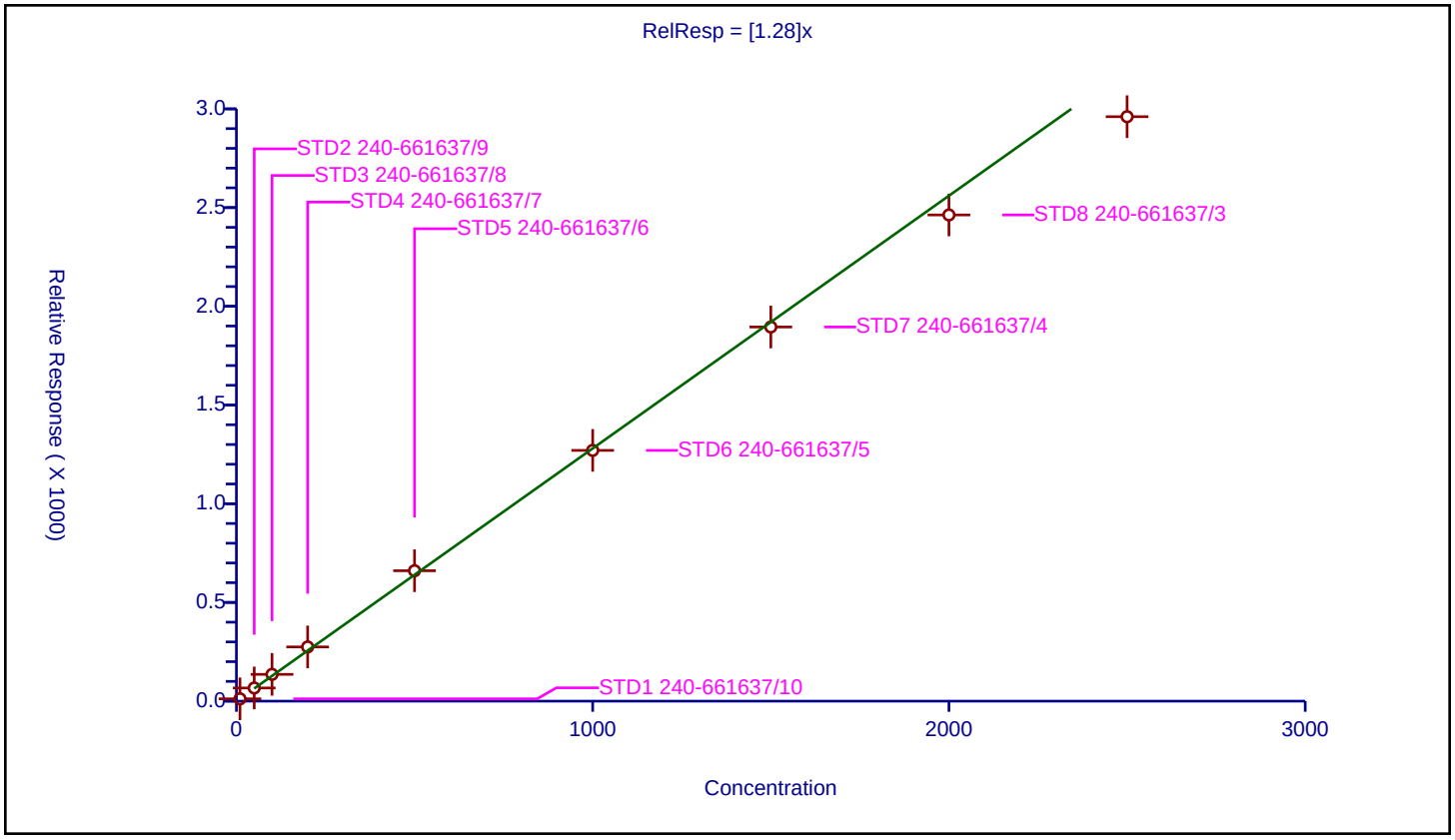
Curve Coefficients

Intercept:	0
Slope:	1.28

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	11.844131	400.0	229886.0	1.184413	Y
2	STD2 240-661637/9	50.0	66.77692	400.0	229169.0	1.335538	Y
3	STD3 240-661637/8	100.0	135.694579	400.0	247553.0	1.356946	Y
4	STD4 240-661637/7	200.0	274.575127	400.0	251781.0	1.372876	Y
5	STD5 240-661637/6	500.0	660.61289	400.0	266214.0	1.321226	Y
6	STD6 240-661637/5	1000.0	1270.198982	400.0	263793.0	1.270199	Y
7	STD7 240-661637/4	1500.0	1895.153024	400.0	252673.0	1.263435	Y
8	STD8 240-661637/3	2000.0	2462.786243	400.0	263631.0	1.231393	Y
9	STD9 240-661637/2	2500.0	2960.516903	400.0	271463.0	1.184207	Y



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Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

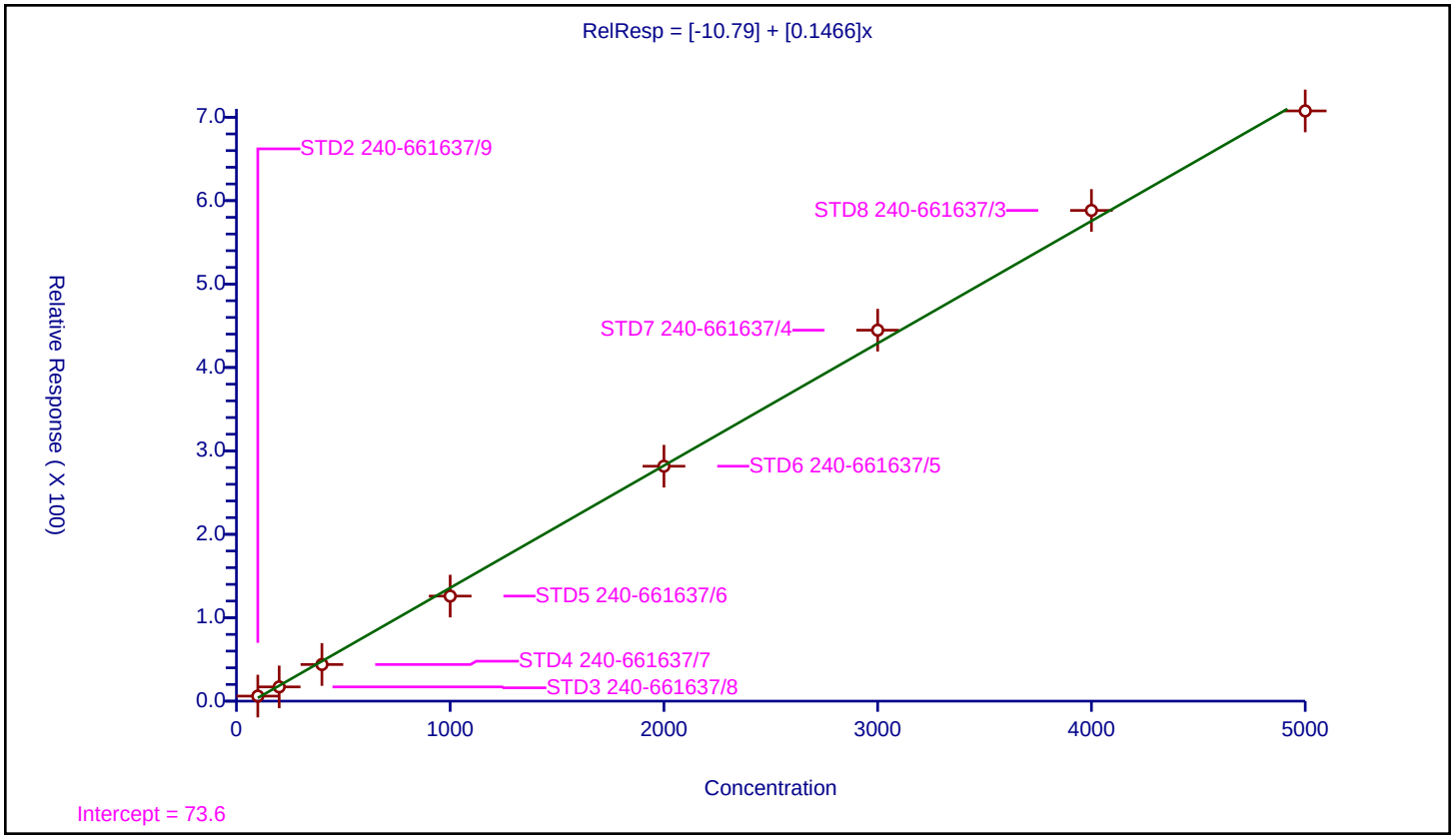
Curve Coefficients

Intercept:	-10.79
Slope:	0.1466

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	100.0	6.04573	400.0	359328.0	0.060457	Y
2	STD3 240-661637/8	200.0	17.075186	400.0	389782.0	0.085376	Y
3	STD4 240-661637/7	400.0	43.921695	400.0	397726.0	0.109804	Y
4	STD5 240-661637/6	1000.0	125.938458	400.0	413151.0	0.125938	Y
5	STD6 240-661637/5	2000.0	281.648102	400.0	406868.0	0.140824	Y
6	STD7 240-661637/4	3000.0	444.723448	400.0	383906.0	0.148241	Y
7	STD8 240-661637/3	4000.0	588.299791	400.0	400933.0	0.147075	Y
8	STD9 240-661637/2	5000.0	707.586301	400.0	411004.0	0.141517	Y



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Calibration / Diphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

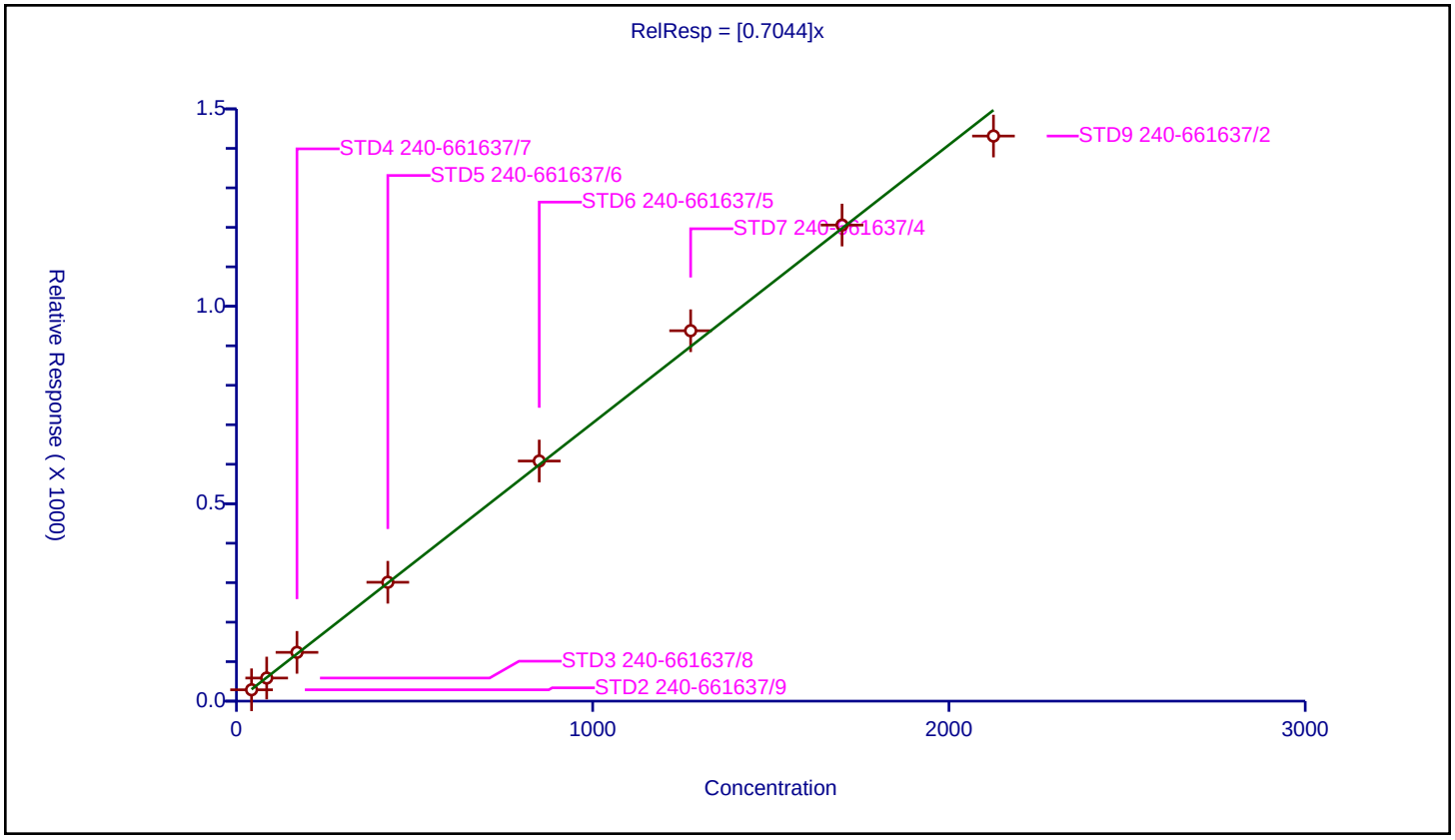
Curve Coefficients

Intercept:	0
Slope:	0.7044

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	42.5	28.801541	400.0	359328.0	0.677683	Y
2	STD3 240-661637/8	85.0	58.541441	400.0	389782.0	0.688723	Y
3	STD4 240-661637/7	170.0	123.527252	400.0	397726.0	0.726631	Y
4	STD5 240-661637/6	425.0	301.096693	400.0	413151.0	0.708463	Y
5	STD6 240-661637/5	850.0	608.129418	400.0	406868.0	0.715446	Y
6	STD7 240-661637/4	1275.0	938.120269	400.0	383906.0	0.735781	Y
7	STD8 240-661637/3	1700.0	1205.842373	400.0	400933.0	0.709319	Y
8	STD9 240-661637/2	2125.0	1431.229866	400.0	411004.0	0.67352	Y



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Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

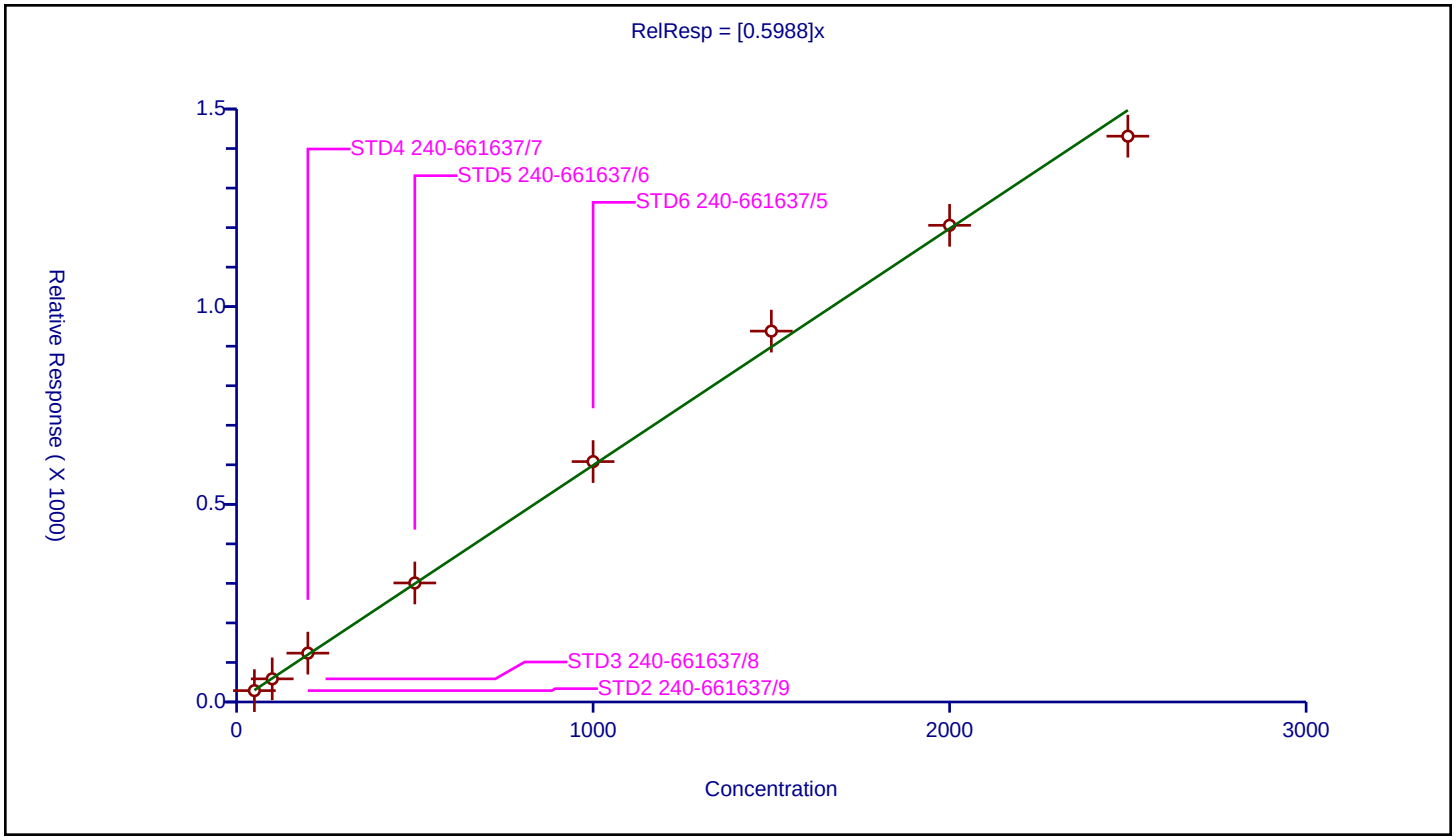
Curve Coefficients

Intercept:	0
Slope:	0.5988

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	28.801541	400.0	359328.0	0.576031	Y
2	STD3 240-661637/8	100.0	58.541441	400.0	389782.0	0.585414	Y
3	STD4 240-661637/7	200.0	123.527252	400.0	397726.0	0.617636	Y
4	STD5 240-661637/6	500.0	301.096693	400.0	413151.0	0.602193	Y
5	STD6 240-661637/5	1000.0	608.129418	400.0	406868.0	0.608129	Y
6	STD7 240-661637/4	1500.0	938.120269	400.0	383906.0	0.625414	Y
7	STD8 240-661637/3	2000.0	1205.842373	400.0	400933.0	0.602921	Y
8	STD9 240-661637/2	2500.0	1431.229866	400.0	411004.0	0.572492	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

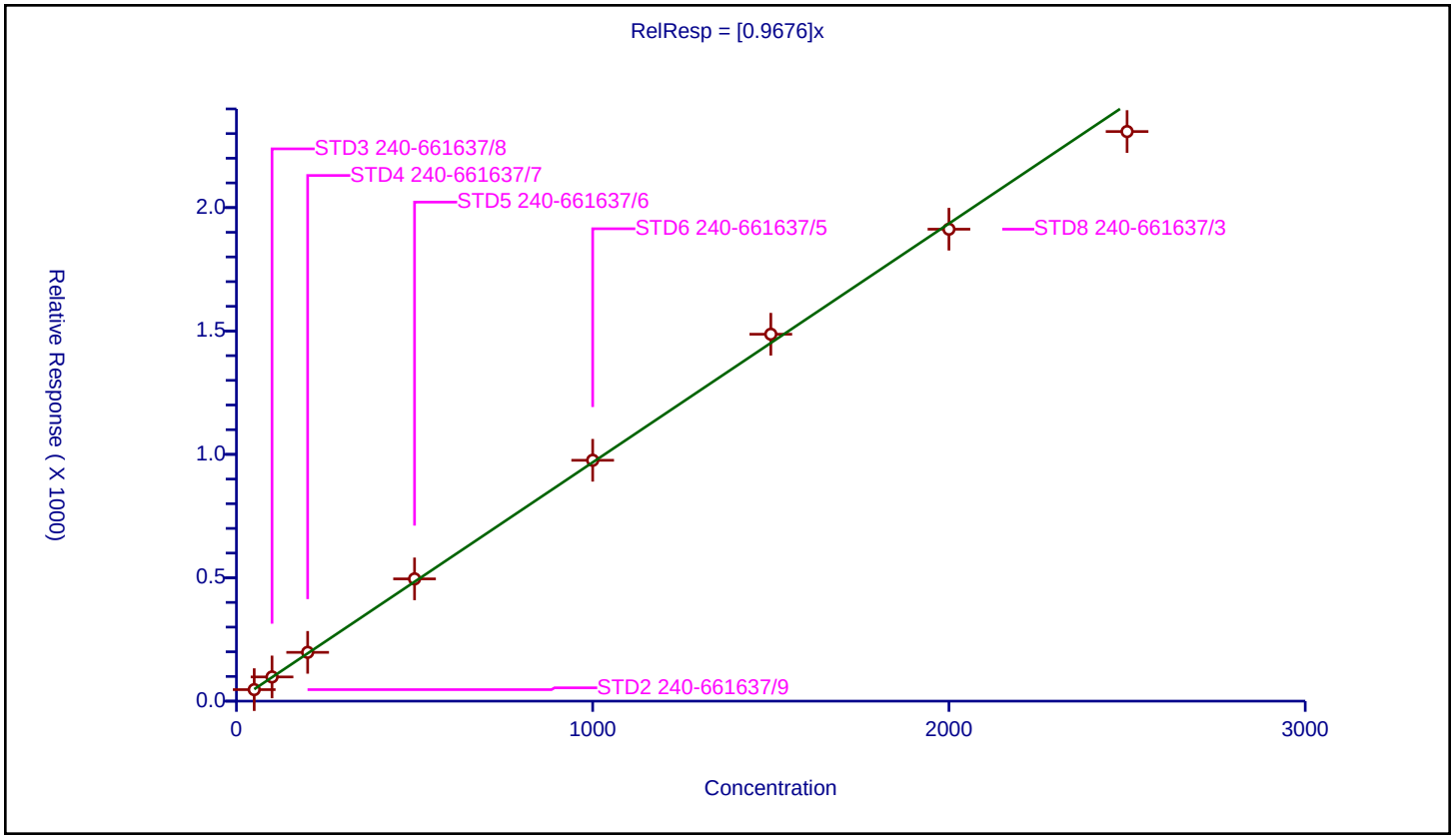
Curve Coefficients

Intercept:	0
Slope:	0.9676

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	46.712753	400.0	359328.0	0.934255	Y
2	STD3 240-661637/8	100.0	98.044548	400.0	389782.0	0.980445	Y
3	STD4 240-661637/7	200.0	197.720038	400.0	397726.0	0.9886	Y
4	STD5 240-661637/6	500.0	495.506001	400.0	413151.0	0.991012	Y
5	STD6 240-661637/5	1000.0	976.06988	400.0	406868.0	0.97607	Y
6	STD7 240-661637/4	1500.0	1486.861888	400.0	383906.0	0.991241	Y
7	STD8 240-661637/3	2000.0	1912.494107	400.0	400933.0	0.956247	Y
8	STD9 240-661637/2	2500.0	2308.221818	400.0	411004.0	0.923289	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

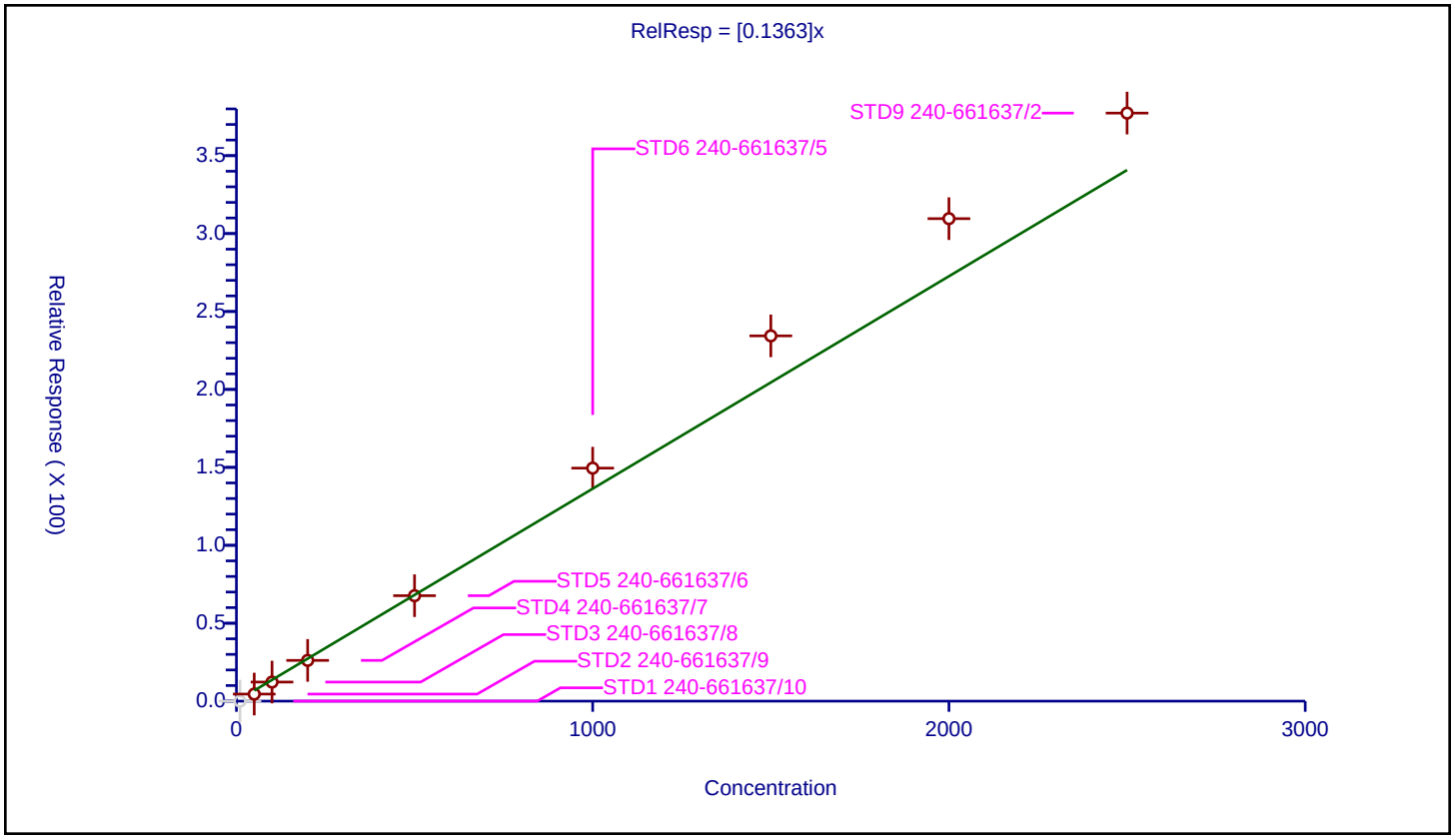
Curve Coefficients

Intercept:	0
Slope:	0.1363

Error Coefficients

Relative Standard Deviation:	16.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	0.0	400.0	229886.0	0.0	N
2	STD2 240-661637/9	50.0	4.531154	400.0	229169.0	0.090623	Y
3	STD3 240-661637/8	100.0	12.236572	400.0	247553.0	0.122366	Y
4	STD4 240-661637/7	200.0	26.140177	400.0	251781.0	0.130701	Y
5	STD5 240-661637/6	500.0	67.655345	400.0	266214.0	0.135311	Y
6	STD6 240-661637/5	1000.0	149.502072	400.0	263793.0	0.149502	Y
7	STD7 240-661637/4	1500.0	234.361408	400.0	252673.0	0.156241	Y
8	STD8 240-661637/3	2000.0	309.581195	400.0	263631.0	0.154791	Y
9	STD9 240-661637/2	2500.0	377.300774	400.0	271463.0	0.15092	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

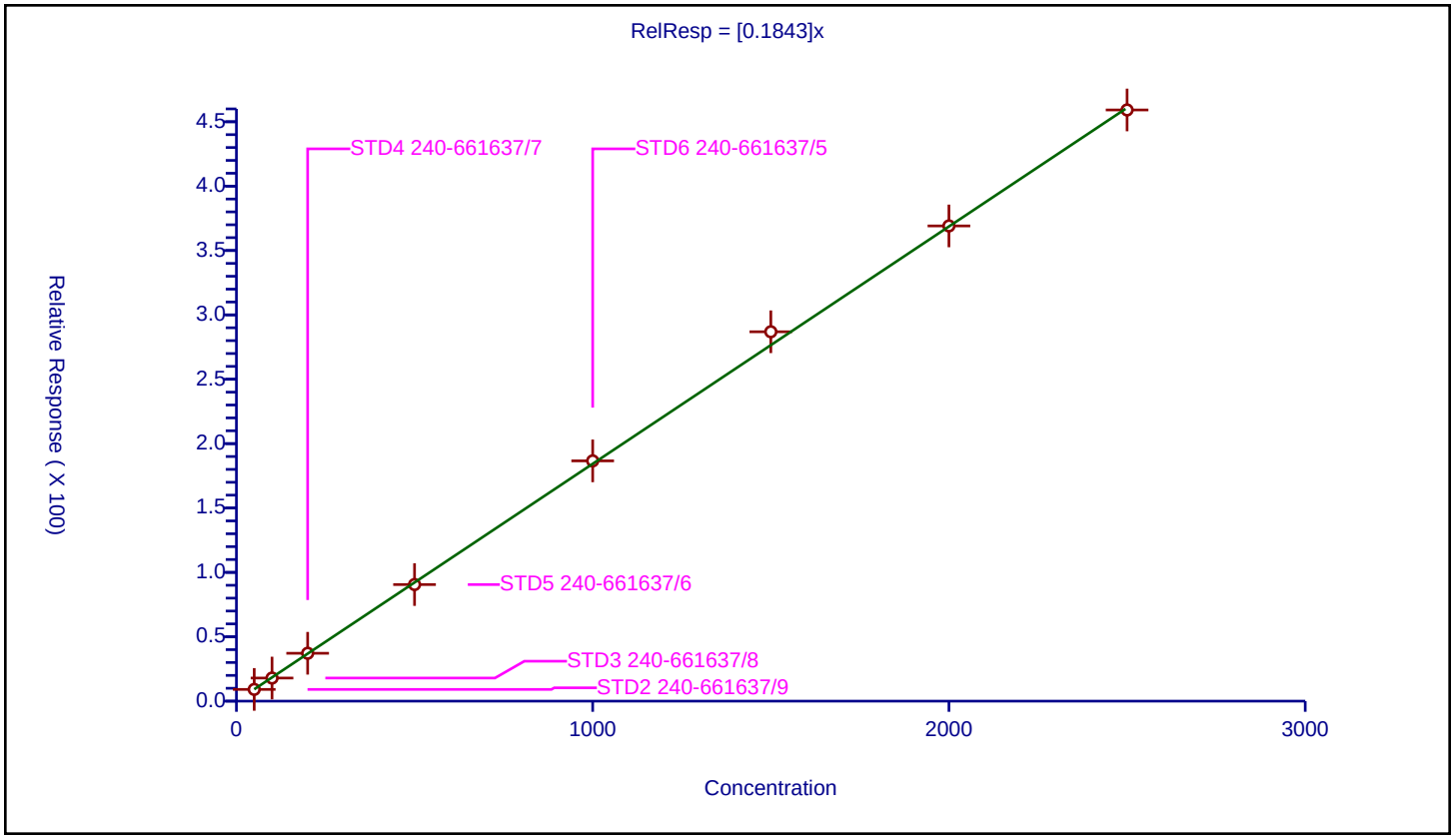
Curve Coefficients

Intercept:	0
Slope:	0.1843

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	9.10366	400.0	359328.0	0.182073	Y
2	STD3 240-661637/8	100.0	17.942337	400.0	389782.0	0.179423	Y
3	STD4 240-661637/7	200.0	37.190428	400.0	397726.0	0.185952	Y
4	STD5 240-661637/6	500.0	90.555753	400.0	413151.0	0.181112	Y
5	STD6 240-661637/5	1000.0	186.617773	400.0	406868.0	0.186618	Y
6	STD7 240-661637/4	1500.0	286.896271	400.0	383906.0	0.191264	Y
7	STD8 240-661637/3	2000.0	369.107058	400.0	400933.0	0.184554	Y
8	STD9 240-661637/2	2500.0	459.178986	400.0	411004.0	0.183672	Y



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Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

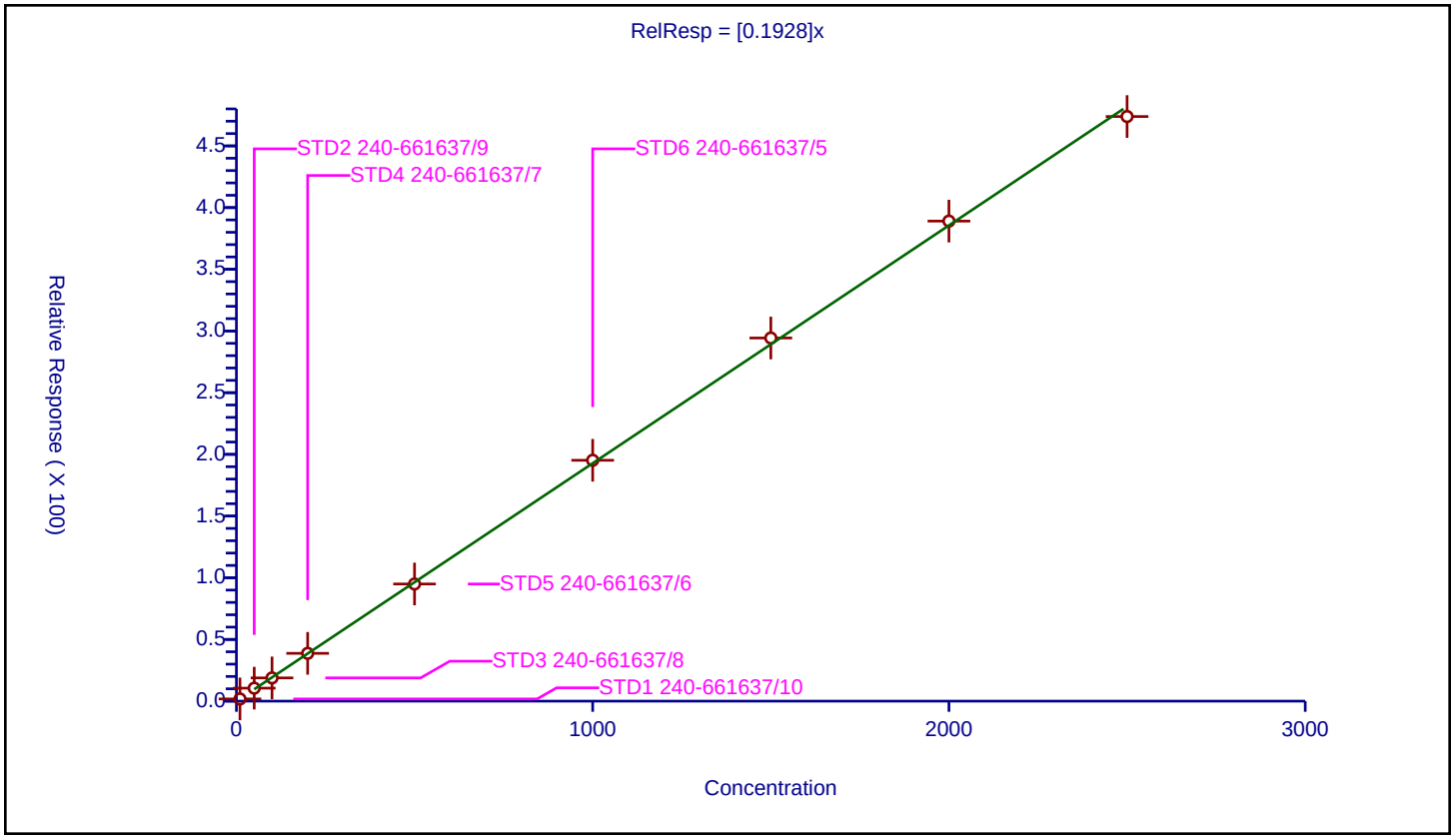
Curve Coefficients

Intercept:	0
Slope:	0.1928

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	1.771261	400.0	364486.0	0.177126	Y
2	STD2 240-661637/9	50.0	10.522976	400.0	359328.0	0.21046	Y
3	STD3 240-661637/8	100.0	18.839249	400.0	389782.0	0.188392	Y
4	STD4 240-661637/7	200.0	38.74225	400.0	397726.0	0.193711	Y
5	STD5 240-661637/6	500.0	94.948336	400.0	413151.0	0.189897	Y
6	STD6 240-661637/5	1000.0	195.21024	400.0	406868.0	0.19521	Y
7	STD7 240-661637/4	1500.0	294.310586	400.0	383906.0	0.196207	Y
8	STD8 240-661637/3	2000.0	389.061514	400.0	400933.0	0.194531	Y
9	STD9 240-661637/2	2500.0	473.808527	400.0	411004.0	0.189523	Y



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Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

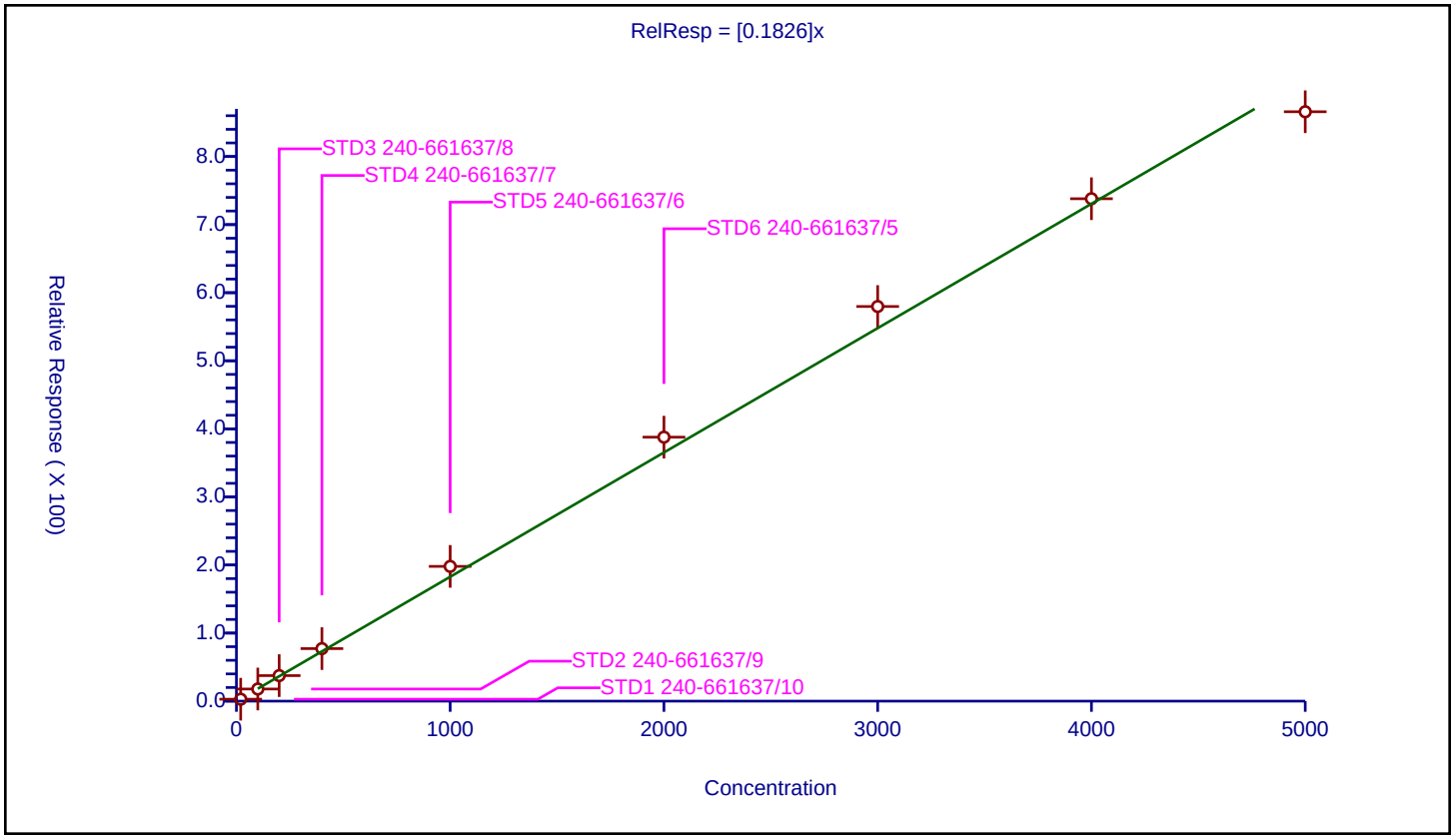
Curve Coefficients

Intercept:	0
Slope:	0.1826

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	20.0	2.845651	400.0	364486.0	0.142283	Y
2	STD2 240-661637/9	100.0	17.831062	400.0	359328.0	0.178311	Y
3	STD3 240-661637/8	200.0	37.487621	400.0	389782.0	0.187438	Y
4	STD4 240-661637/7	400.0	77.172727	400.0	397726.0	0.192932	Y
5	STD5 240-661637/6	1000.0	197.949902	400.0	413151.0	0.19795	Y
6	STD6 240-661637/5	2000.0	387.792601	400.0	406868.0	0.193896	Y
7	STD7 240-661637/4	3000.0	579.735664	400.0	383906.0	0.193245	Y
8	STD8 240-661637/3	4000.0	738.024558	400.0	400933.0	0.184506	Y
9	STD9 240-661637/2	5000.0	865.796927	400.0	411004.0	0.173159	Y



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Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

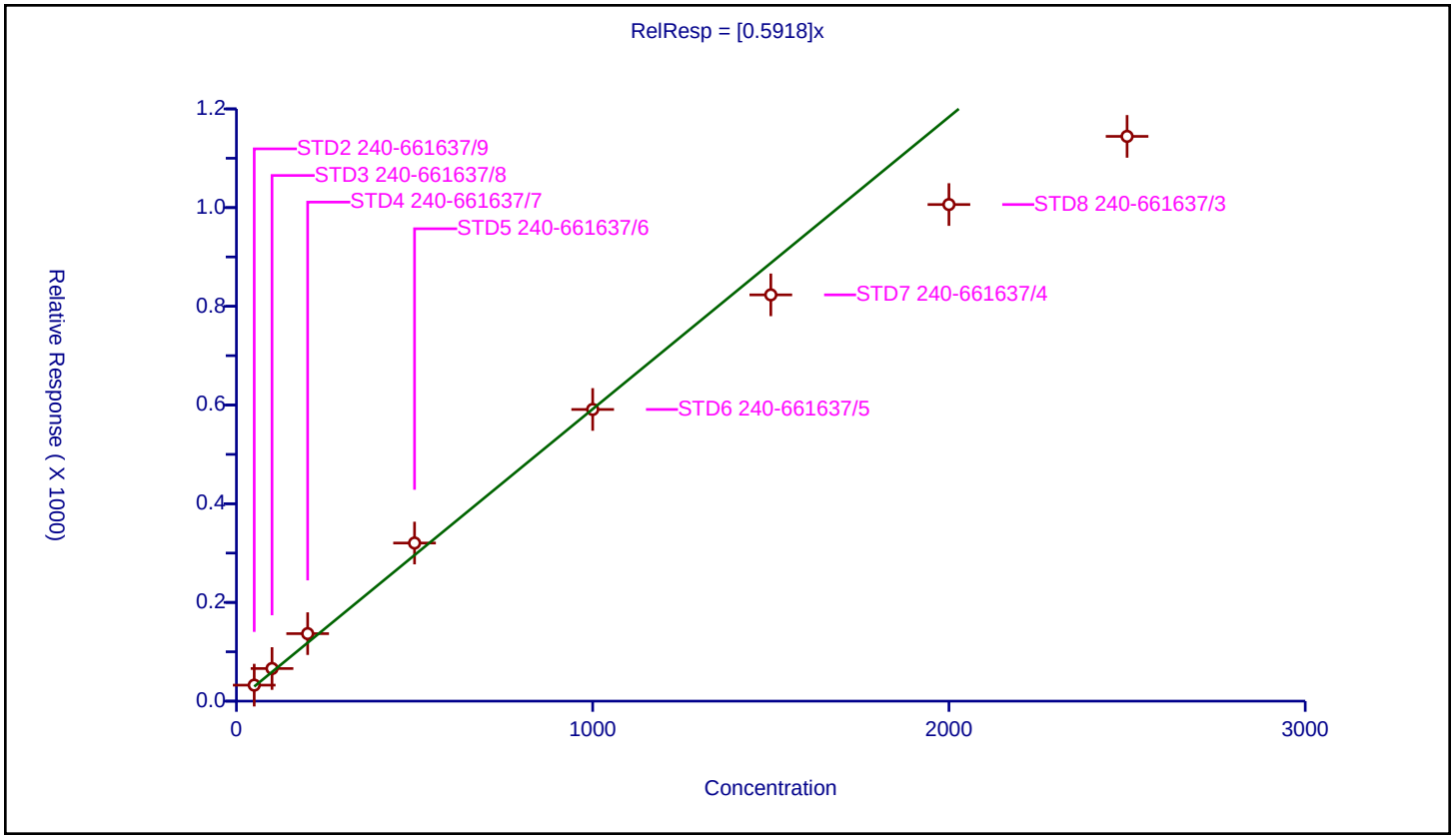
Curve Coefficients

Intercept:	0
Slope:	0.5918

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	32.417179	400.0	359328.0	0.648344	Y
2	STD3 240-661637/8	100.0	66.09746	400.0	389782.0	0.660975	Y
3	STD4 240-661637/7	200.0	136.774563	400.0	397726.0	0.683873	Y
4	STD5 240-661637/6	500.0	320.349703	400.0	413151.0	0.640699	Y
5	STD6 240-661637/5	1000.0	591.004454	400.0	406868.0	0.591004	Y
6	STD7 240-661637/4	1500.0	823.2161	400.0	383906.0	0.548811	Y
7	STD8 240-661637/3	2000.0	1006.211013	400.0	400933.0	0.503106	Y
8	STD9 240-661637/2	2500.0	1144.32171	400.0	411004.0	0.457729	Y



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Calibration / Pentachlorophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

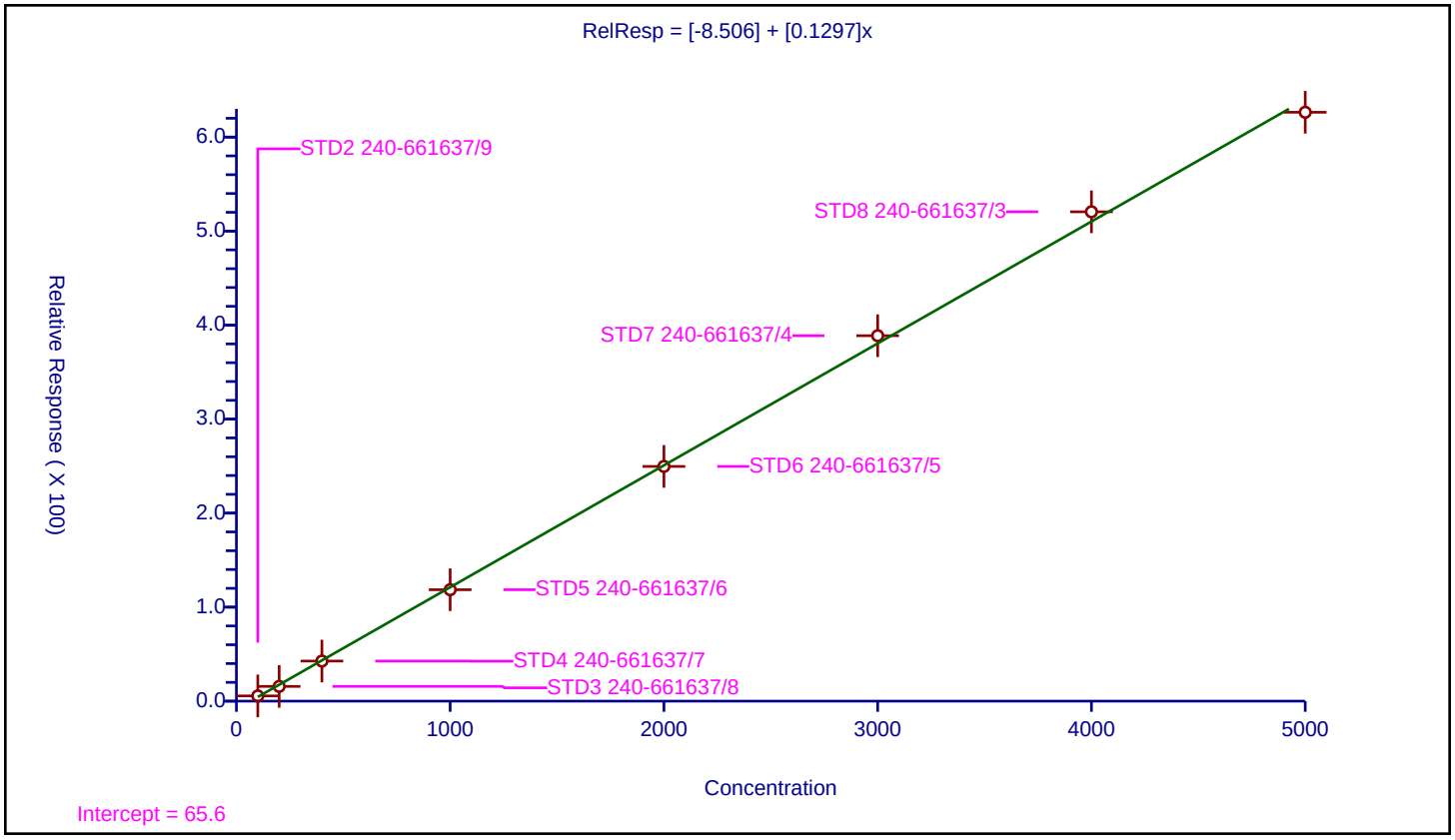
Curve Coefficients

Intercept:	-8.506
Slope:	0.1297

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	100.0	5.563719	400.0	359328.0	0.055637	Y
2	STD3 240-661637/8	200.0	15.689796	400.0	389782.0	0.078449	Y
3	STD4 240-661637/7	400.0	42.651474	400.0	397726.0	0.106629	Y
4	STD5 240-661637/6	1000.0	118.537774	400.0	413151.0	0.118538	Y
5	STD6 240-661637/5	2000.0	249.68491	400.0	406868.0	0.124842	Y
6	STD7 240-661637/4	3000.0	388.736826	400.0	383906.0	0.129579	Y
7	STD8 240-661637/3	4000.0	520.530862	400.0	400933.0	0.130133	Y
8	STD9 240-661637/2	5000.0	626.39585	400.0	411004.0	0.125279	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

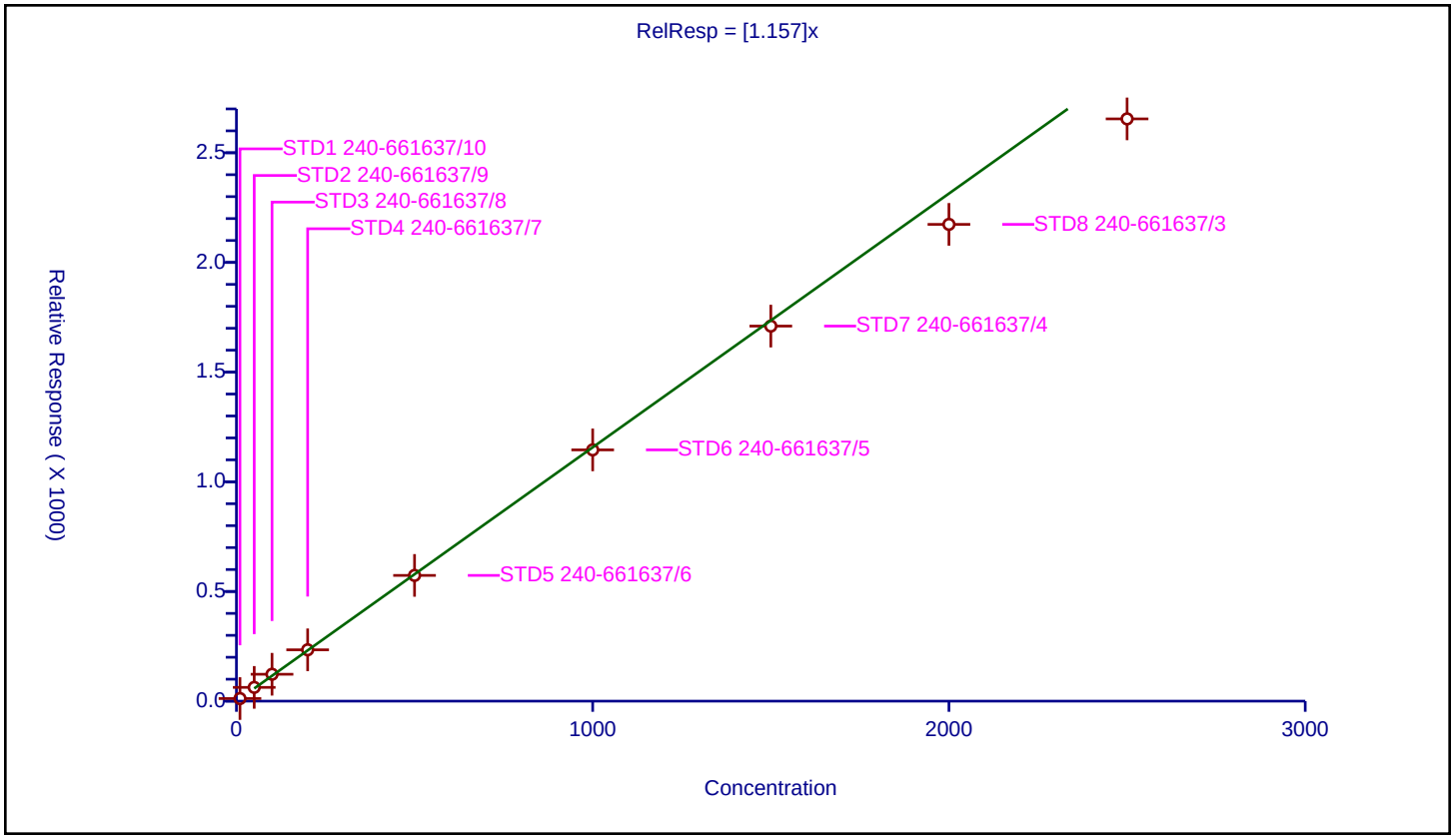
Curve Coefficients

Intercept:	0
Slope:	1.157

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	11.83804	400.0	364486.0	1.183804	Y
2	STD2 240-661637/9	50.0	62.684789	400.0	359328.0	1.253696	Y
3	STD3 240-661637/8	100.0	122.540292	400.0	389782.0	1.225403	Y
4	STD4 240-661637/7	200.0	233.993252	400.0	397726.0	1.169966	Y
5	STD5 240-661637/6	500.0	573.12508	400.0	413151.0	1.14625	Y
6	STD6 240-661637/5	1000.0	1145.436849	400.0	406868.0	1.145437	Y
7	STD7 240-661637/4	1500.0	1709.83001	400.0	383906.0	1.139887	Y
8	STD8 240-661637/3	2000.0	2173.510287	400.0	400933.0	1.086755	Y
9	STD9 240-661637/2	2500.0	2654.484141	400.0	411004.0	1.061794	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

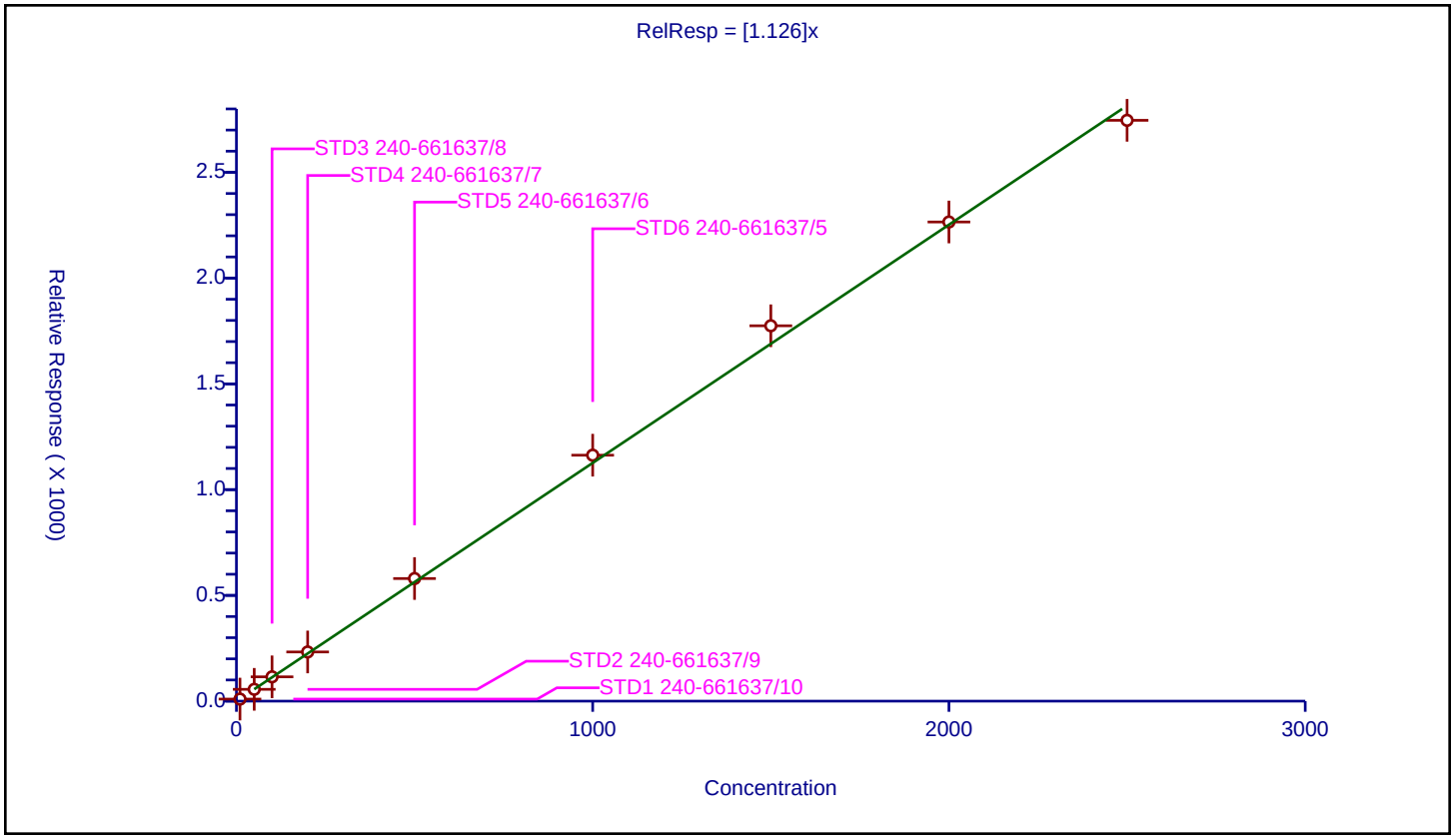
Curve Coefficients

Intercept:	0
Slope:	1.126

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	9.719989	400.0	364486.0	0.971999	Y
2	STD2 240-661637/9	50.0	55.826432	400.0	359328.0	1.116529	Y
3	STD3 240-661637/8	100.0	114.867285	400.0	389782.0	1.148673	Y
4	STD4 240-661637/7	200.0	232.482664	400.0	397726.0	1.162413	Y
5	STD5 240-661637/6	500.0	579.627303	400.0	413151.0	1.159255	Y
6	STD6 240-661637/5	1000.0	1162.811526	400.0	406868.0	1.162812	Y
7	STD7 240-661637/4	1500.0	1774.644835	400.0	383906.0	1.183097	Y
8	STD8 240-661637/3	2000.0	2265.305176	400.0	400933.0	1.132653	Y
9	STD9 240-661637/2	2500.0	2745.997606	400.0	411004.0	1.098399	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

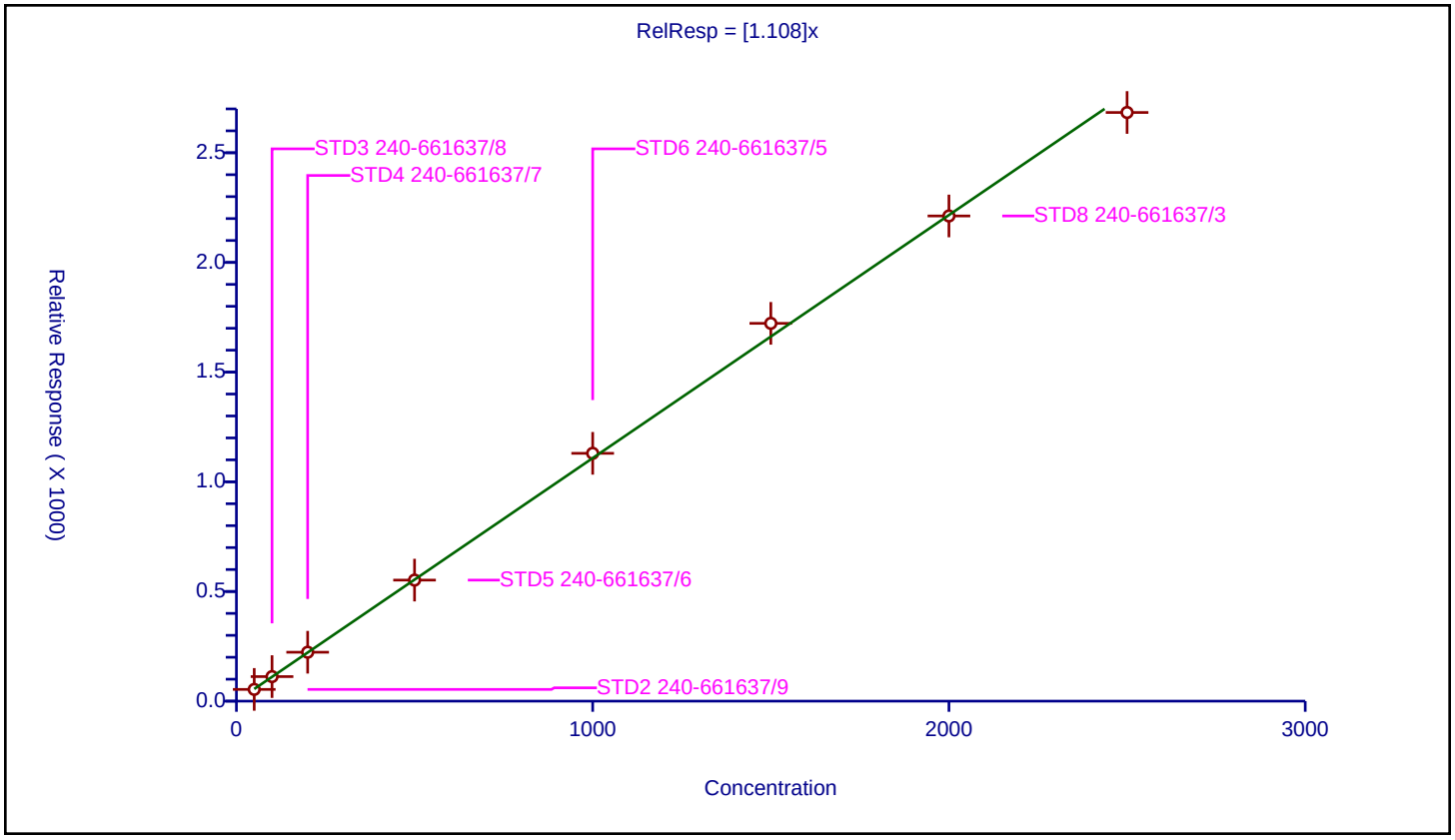
Curve Coefficients

Intercept:	0
Slope:	1.108

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	53.451999	400.0	359328.0	1.06904	Y
2	STD3 240-661637/8	100.0	111.884079	400.0	389782.0	1.118841	Y
3	STD4 240-661637/7	200.0	222.965559	400.0	397726.0	1.114828	Y
4	STD5 240-661637/6	500.0	551.853439	400.0	413151.0	1.103707	Y
5	STD6 240-661637/5	1000.0	1129.823923	400.0	406868.0	1.129824	Y
6	STD7 240-661637/4	1500.0	1722.277849	400.0	383906.0	1.148185	Y
7	STD8 240-661637/3	2000.0	2211.852853	400.0	400933.0	1.105926	Y
8	STD9 240-661637/2	2500.0	2683.666339	400.0	411004.0	1.073467	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

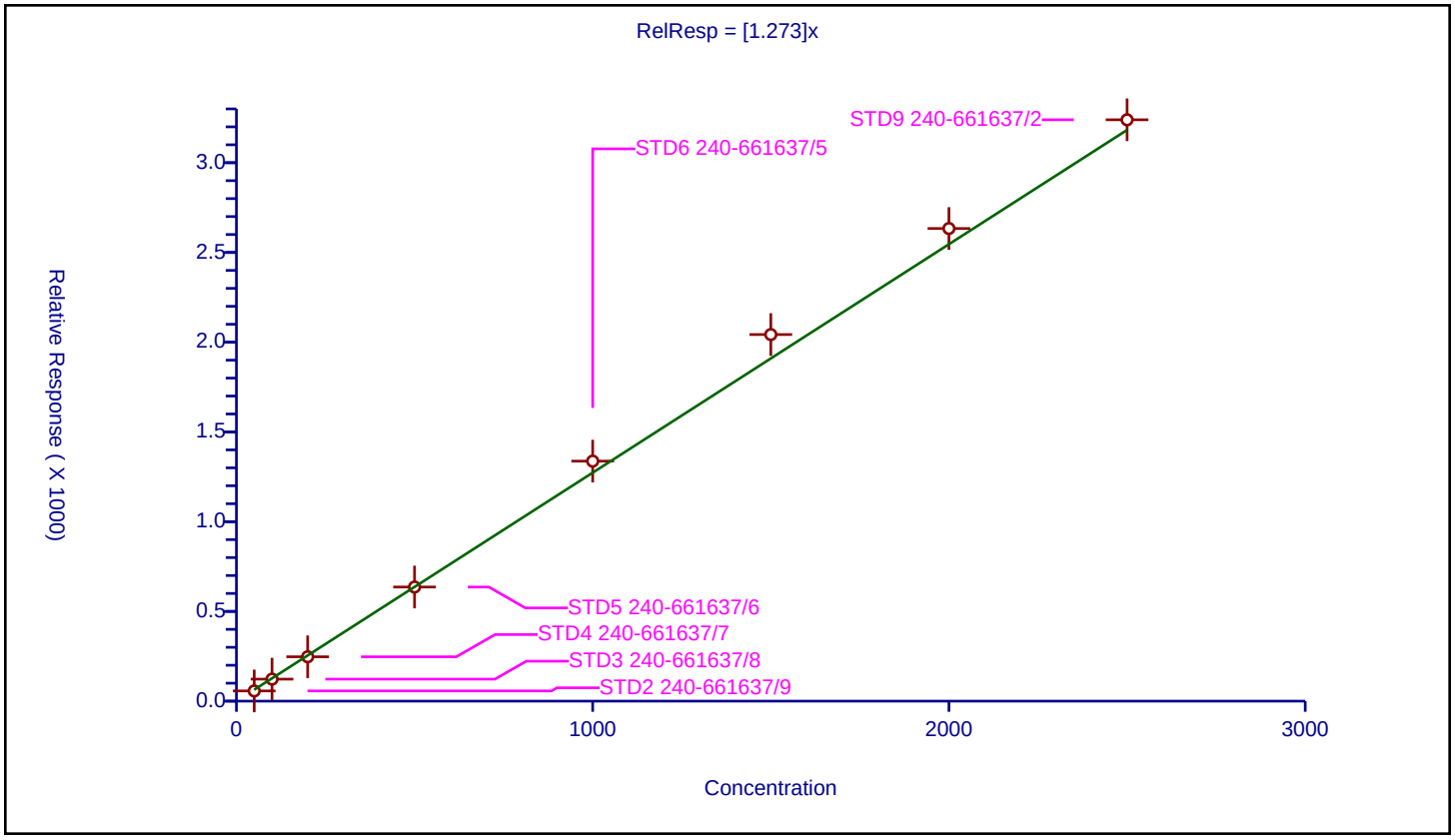
Curve Coefficients

Intercept:	0
Slope:	1.273

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	56.91847	400.0	359328.0	1.138369	Y
2	STD3 240-661637/8	100.0	122.653175	400.0	389782.0	1.226532	Y
3	STD4 240-661637/7	200.0	247.149042	400.0	397726.0	1.235745	Y
4	STD5 240-661637/6	500.0	635.818865	400.0	413151.0	1.271638	Y
5	STD6 240-661637/5	1000.0	1337.348722	400.0	406868.0	1.337349	Y
6	STD7 240-661637/4	1500.0	2042.640646	400.0	383906.0	1.36176	Y
7	STD8 240-661637/3	2000.0	2633.518319	400.0	400933.0	1.316759	Y
8	STD9 240-661637/2	2500.0	3239.2512	400.0	411004.0	1.2957	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

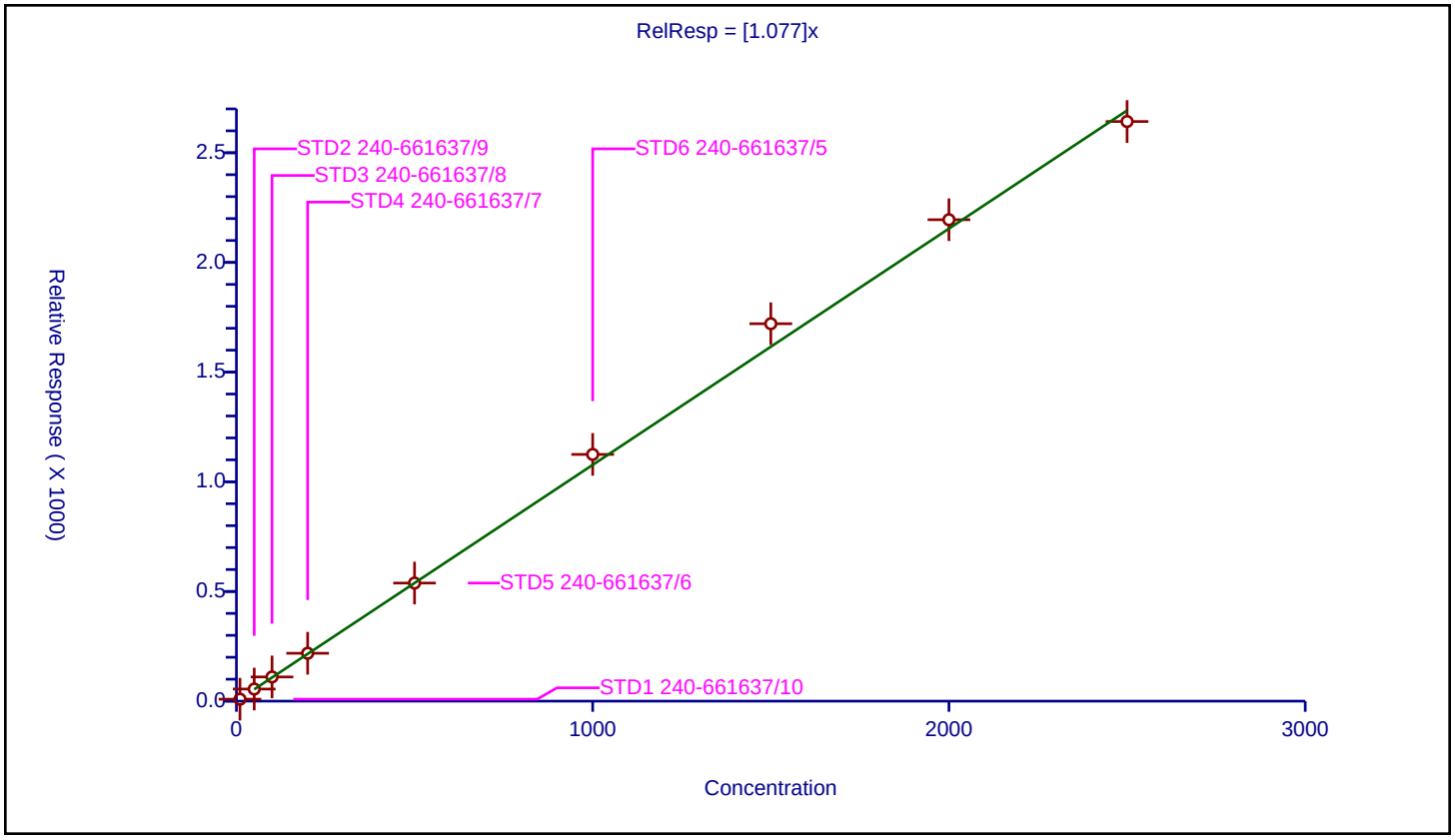
Curve Coefficients

Intercept:	0
Slope:	1.077

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	8.925446	400.0	364486.0	0.892545	Y
2	STD2 240-661637/9	50.0	55.187461	400.0	359328.0	1.103749	Y
3	STD3 240-661637/8	100.0	110.308839	400.0	389782.0	1.103088	Y
4	STD4 240-661637/7	200.0	218.300036	400.0	397726.0	1.0915	Y
5	STD5 240-661637/6	500.0	538.35329	400.0	413151.0	1.076707	Y
6	STD6 240-661637/5	1000.0	1124.831641	400.0	406868.0	1.124832	Y
7	STD7 240-661637/4	1500.0	1720.642032	400.0	383906.0	1.147095	Y
8	STD8 240-661637/3	2000.0	2194.763714	400.0	400933.0	1.097382	Y
9	STD9 240-661637/2	2500.0	2642.421972	400.0	411004.0	1.056969	Y



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Calibration / Benzidine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

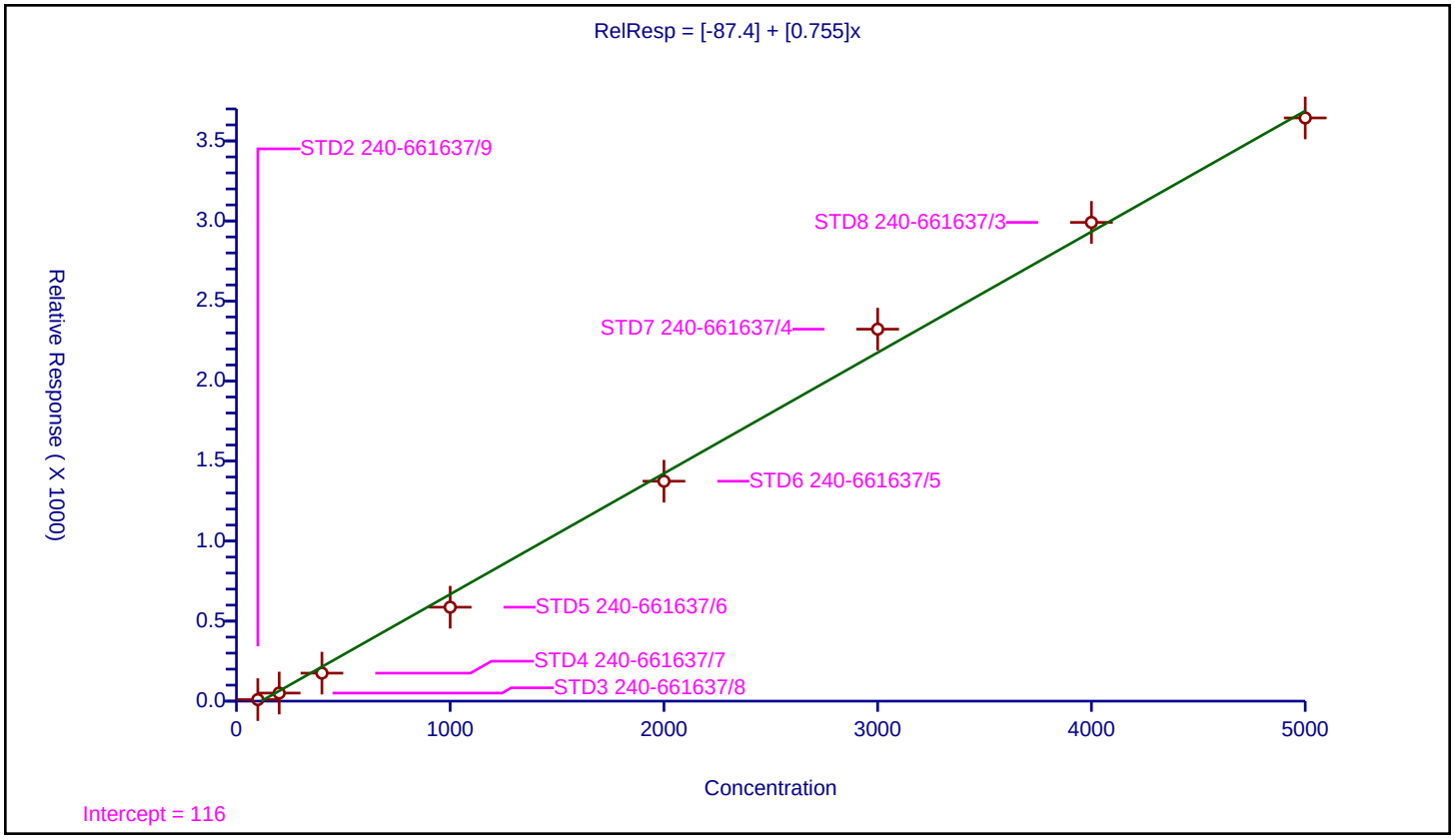
Curve Coefficients

Intercept:	-87.4
Slope:	0.755

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	100.0	9.573846	400.0	266852.0	0.095738	Y
2	STD3 240-661637/8	200.0	50.573007	400.0	293801.0	0.252865	Y
3	STD4 240-661637/7	400.0	174.984076	400.0	292006.0	0.43746	Y
4	STD5 240-661637/6	1000.0	587.002587	400.0	314678.0	0.587003	Y
5	STD6 240-661637/5	2000.0	1374.0	400.0	317200.0	0.687	Y
6	STD7 240-661637/4	3000.0	2323.948279	400.0	296514.0	0.774649	Y
7	STD8 240-661637/3	4000.0	2990.941518	400.0	307822.0	0.747735	Y
8	STD9 240-661637/2	5000.0	3643.574561	400.0	301956.0	0.728715	Y



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Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

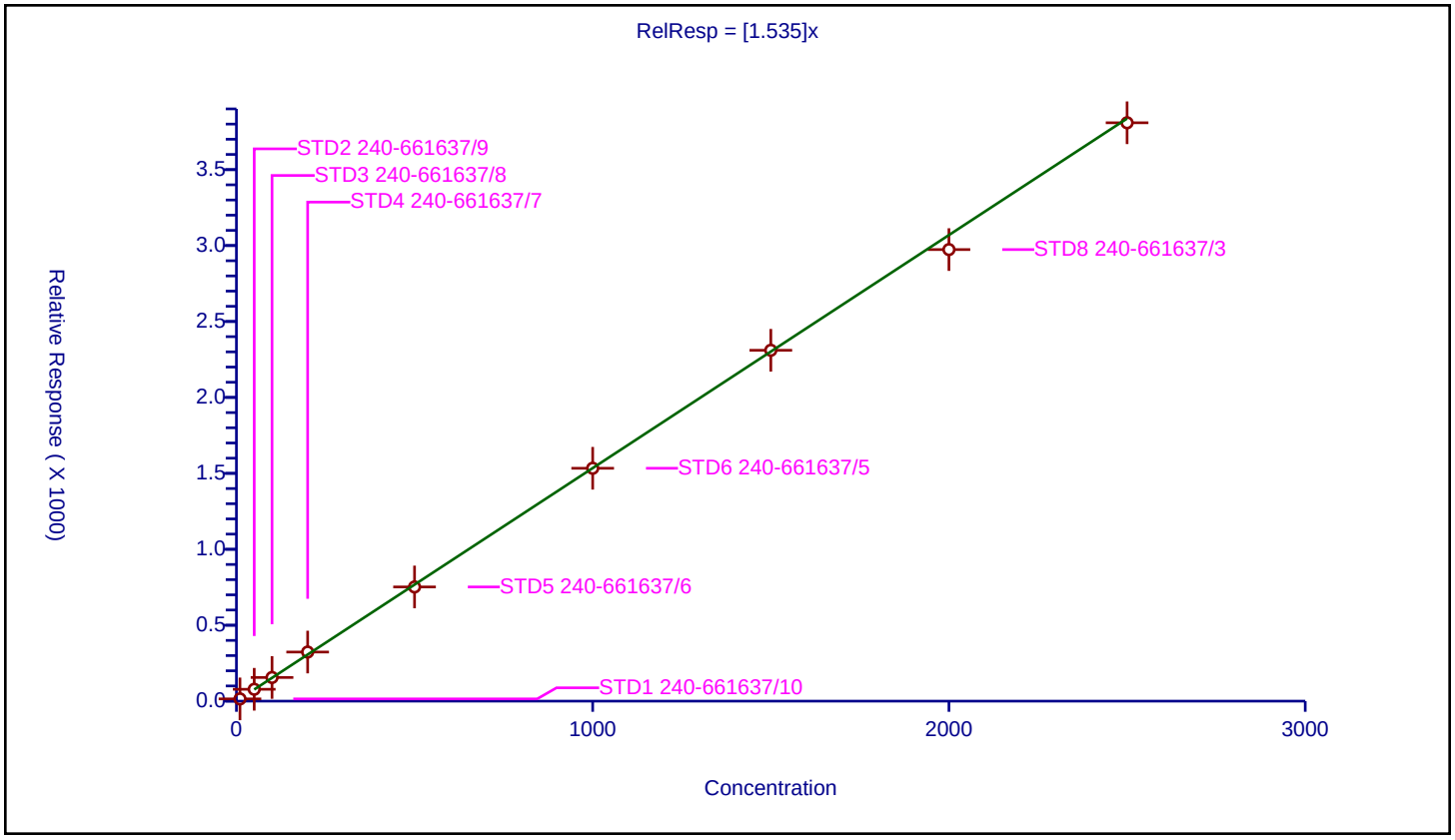
Curve Coefficients

Intercept:	0
Slope:	1.535

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	14.868739	400.0	253579.0	1.486874	Y
2	STD2 240-661637/9	50.0	78.070241	400.0	266852.0	1.561405	Y
3	STD3 240-661637/8	100.0	155.872853	400.0	293801.0	1.558729	Y
4	STD4 240-661637/7	200.0	323.338562	400.0	292006.0	1.616693	Y
5	STD5 240-661637/6	500.0	751.931816	400.0	314678.0	1.503864	Y
6	STD6 240-661637/5	1000.0	1533.505675	400.0	317200.0	1.533506	Y
7	STD7 240-661637/4	1500.0	2310.468983	400.0	296514.0	1.540313	Y
8	STD8 240-661637/3	2000.0	2973.630215	400.0	307822.0	1.486815	Y
9	STD9 240-661637/2	2500.0	3808.538992	400.0	301956.0	1.523416	Y



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Calibration / Terphenyl-d14

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

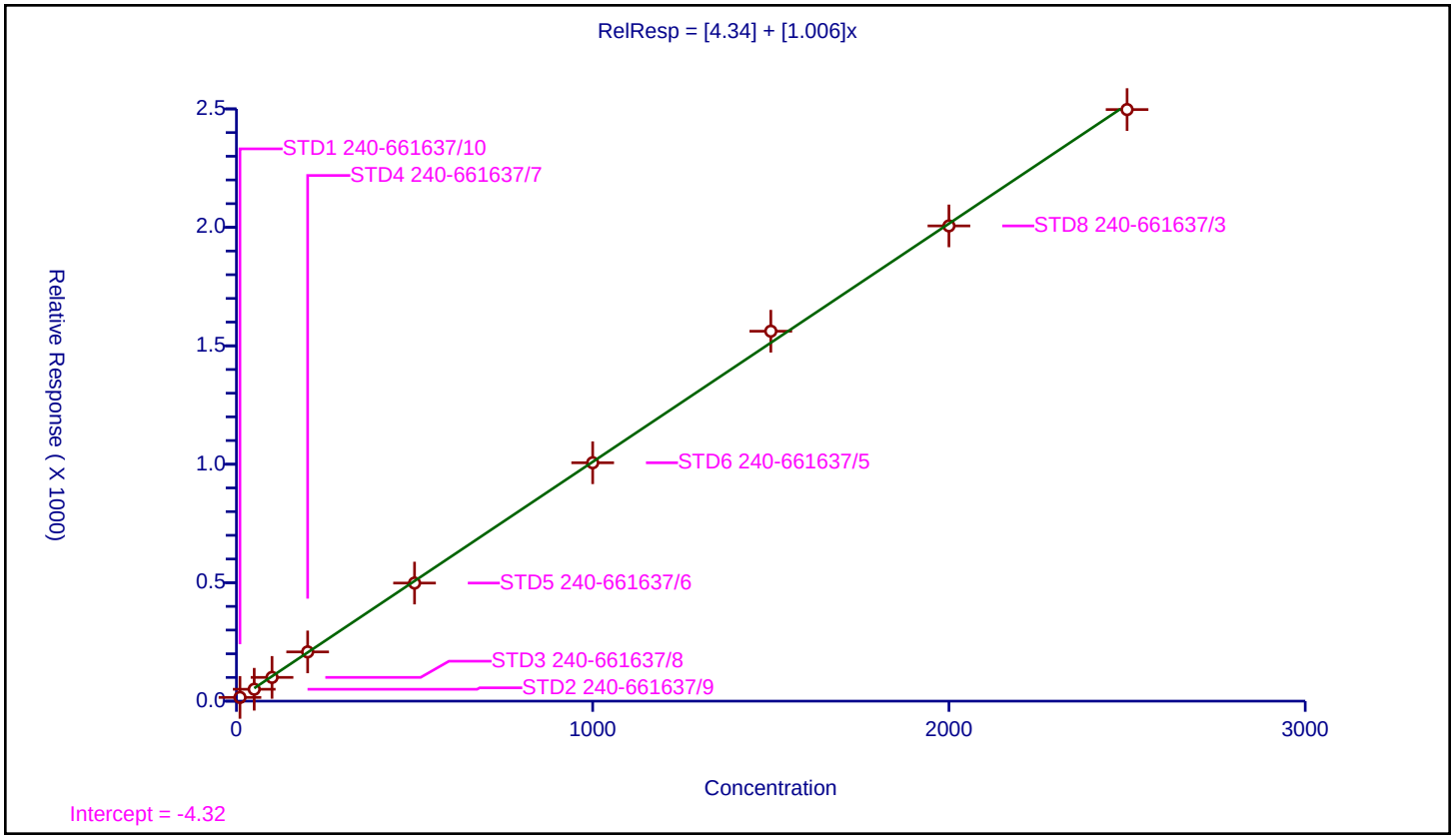
Curve Coefficients

Intercept:	4.34
Slope:	1.006

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	15.644829	400.0	253579.0	1.564483	Y
2	STD2 240-661637/9	50.0	50.224094	400.0	266852.0	1.004482	Y
3	STD3 240-661637/8	100.0	100.224301	400.0	293801.0	1.002243	Y
4	STD4 240-661637/7	200.0	207.842305	400.0	292006.0	1.039212	Y
5	STD5 240-661637/6	500.0	498.503232	400.0	314678.0	0.997006	Y
6	STD6 240-661637/5	1000.0	1006.276166	400.0	317200.0	1.006276	Y
7	STD7 240-661637/4	1500.0	1561.613954	400.0	296514.0	1.041076	Y
8	STD8 240-661637/3	2000.0	2006.060645	400.0	307822.0	1.00303	Y
9	STD9 240-661637/2	2500.0	2497.169124	400.0	301956.0	0.998868	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

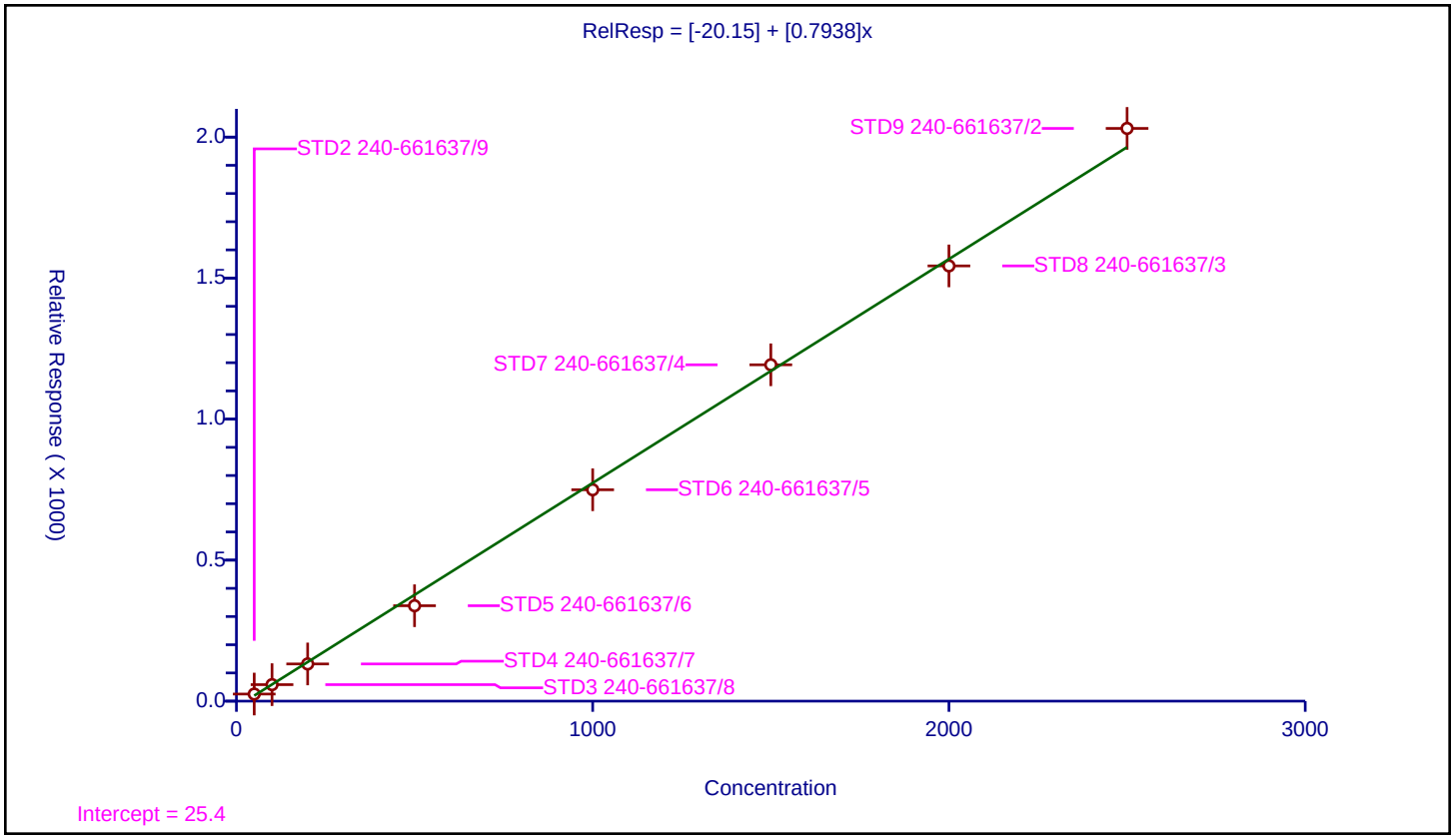
Curve Coefficients

Intercept:	-20.15
Slope:	0.7938

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	25.182498	400.0	266852.0	0.50365	Y
2	STD3 240-661637/8	100.0	58.47087	400.0	293801.0	0.584709	Y
3	STD4 240-661637/7	200.0	131.889071	400.0	292006.0	0.659445	Y
4	STD5 240-661637/6	500.0	338.316628	400.0	314678.0	0.676633	Y
5	STD6 240-661637/5	1000.0	749.51198	400.0	317200.0	0.749512	Y
6	STD7 240-661637/4	1500.0	1192.651949	400.0	296514.0	0.795101	Y
7	STD8 240-661637/3	2000.0	1543.302298	400.0	307822.0	0.771651	Y
8	STD9 240-661637/2	2500.0	2030.804488	400.0	301956.0	0.812322	Y



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Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

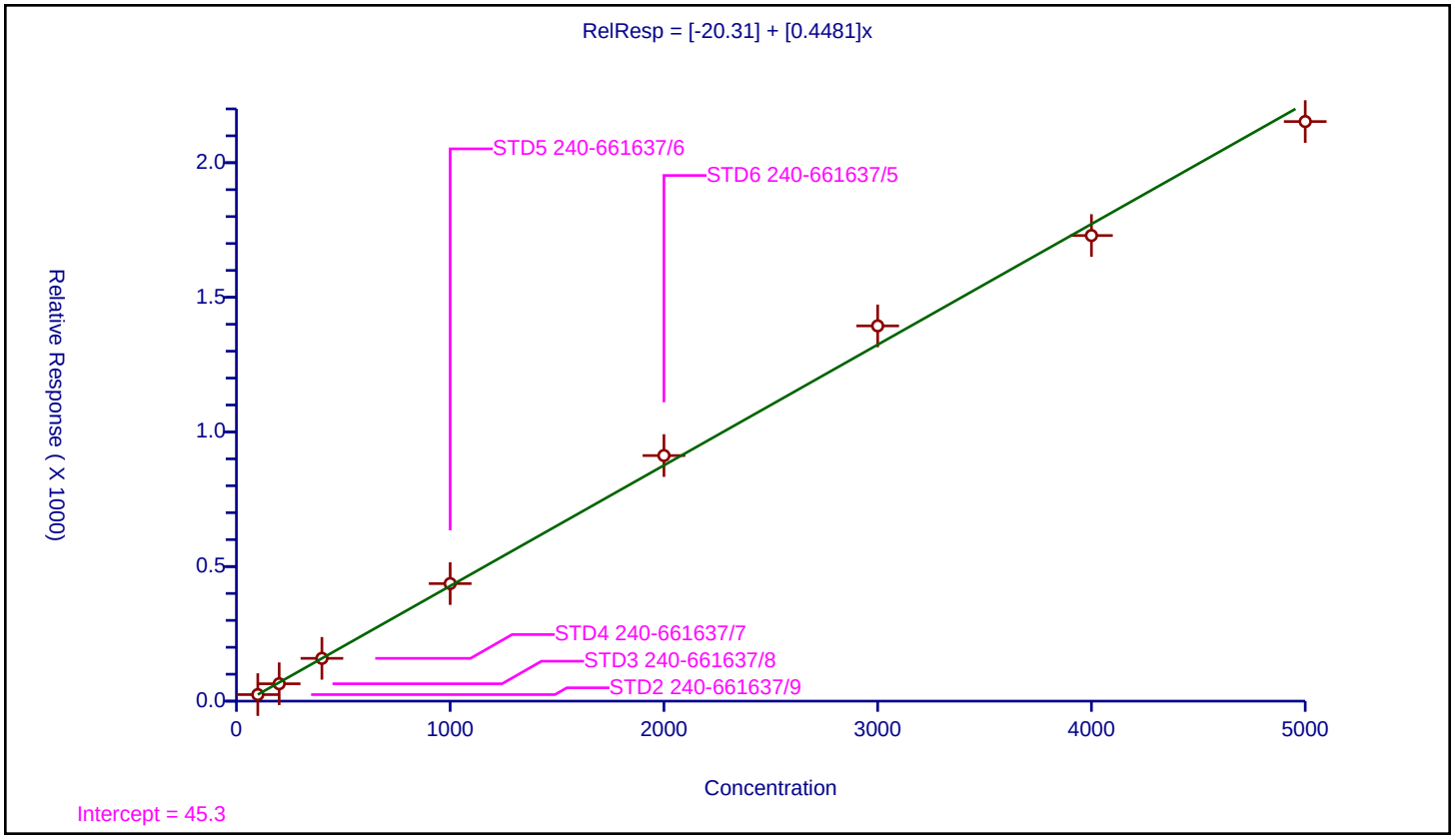
Curve Coefficients

Intercept:	-20.31
Slope:	0.4481

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	100.0	24.271132	400.0	266852.0	0.242711	Y
2	STD3 240-661637/8	200.0	64.559345	400.0	293801.0	0.322797	Y
3	STD4 240-661637/7	400.0	158.910433	400.0	292006.0	0.397276	Y
4	STD5 240-661637/6	1000.0	436.671137	400.0	314678.0	0.436671	Y
5	STD6 240-661637/5	2000.0	912.278689	400.0	317200.0	0.456139	Y
6	STD7 240-661637/4	3000.0	1393.94295	400.0	296514.0	0.464648	Y
7	STD8 240-661637/3	4000.0	1729.581381	400.0	307822.0	0.432395	Y
8	STD9 240-661637/2	5000.0	2153.039516	400.0	301956.0	0.430608	Y



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Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

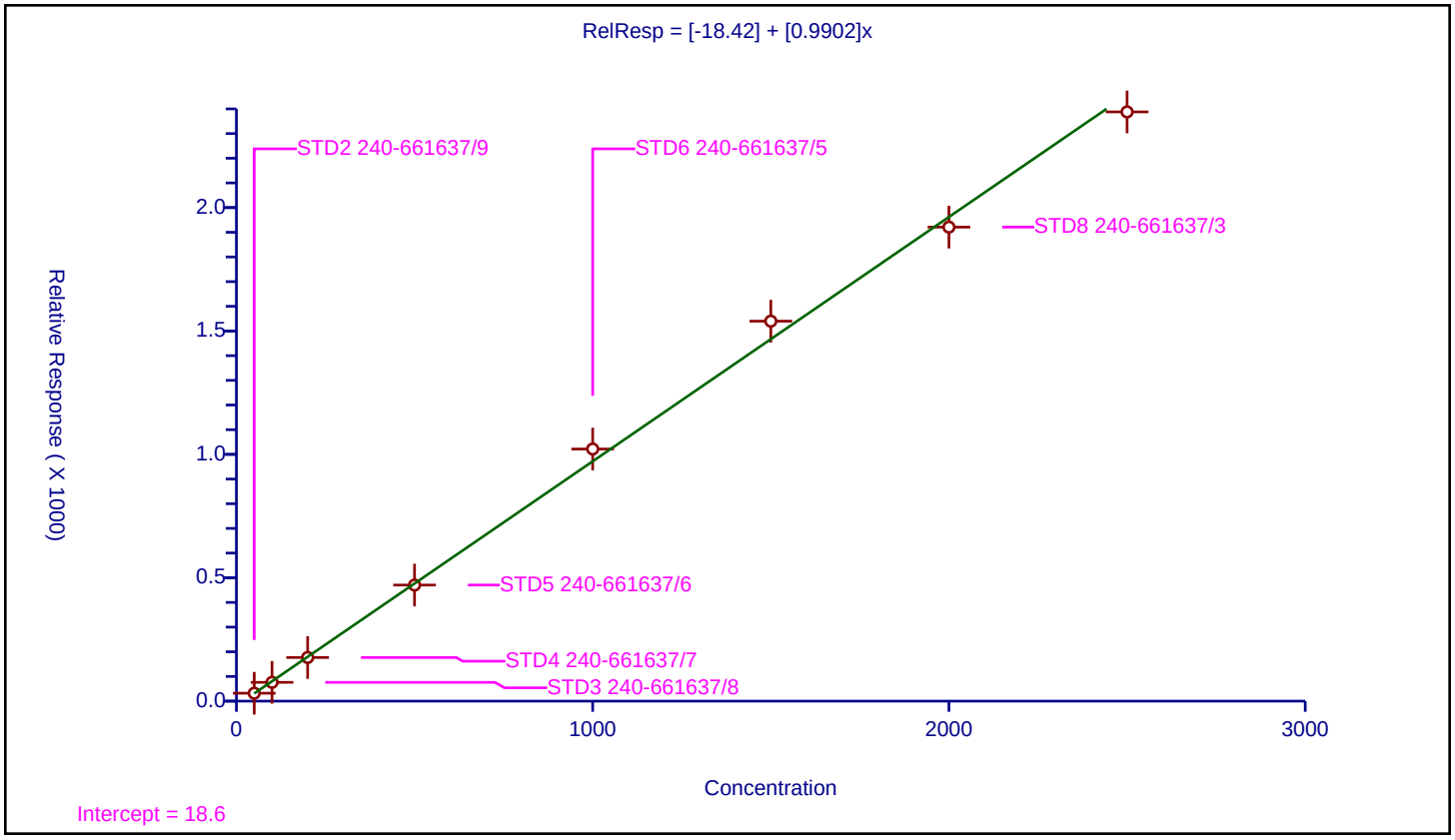
Curve Coefficients

Intercept:	-18.42
Slope:	0.9902

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	32.097192	400.0	266852.0	0.641944	Y
2	STD3 240-661637/8	100.0	76.183539	400.0	293801.0	0.761835	Y
3	STD4 240-661637/7	200.0	176.893625	400.0	292006.0	0.884468	Y
4	STD5 240-661637/6	500.0	470.390685	400.0	314678.0	0.940781	Y
5	STD6 240-661637/5	1000.0	1021.740227	400.0	317200.0	1.02174	Y
6	STD7 240-661637/4	1500.0	1539.791039	400.0	296514.0	1.026527	Y
7	STD8 240-661637/3	2000.0	1920.873752	400.0	307822.0	0.960437	Y
8	STD9 240-661637/2	2500.0	2387.83134	400.0	301956.0	0.955133	Y



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Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

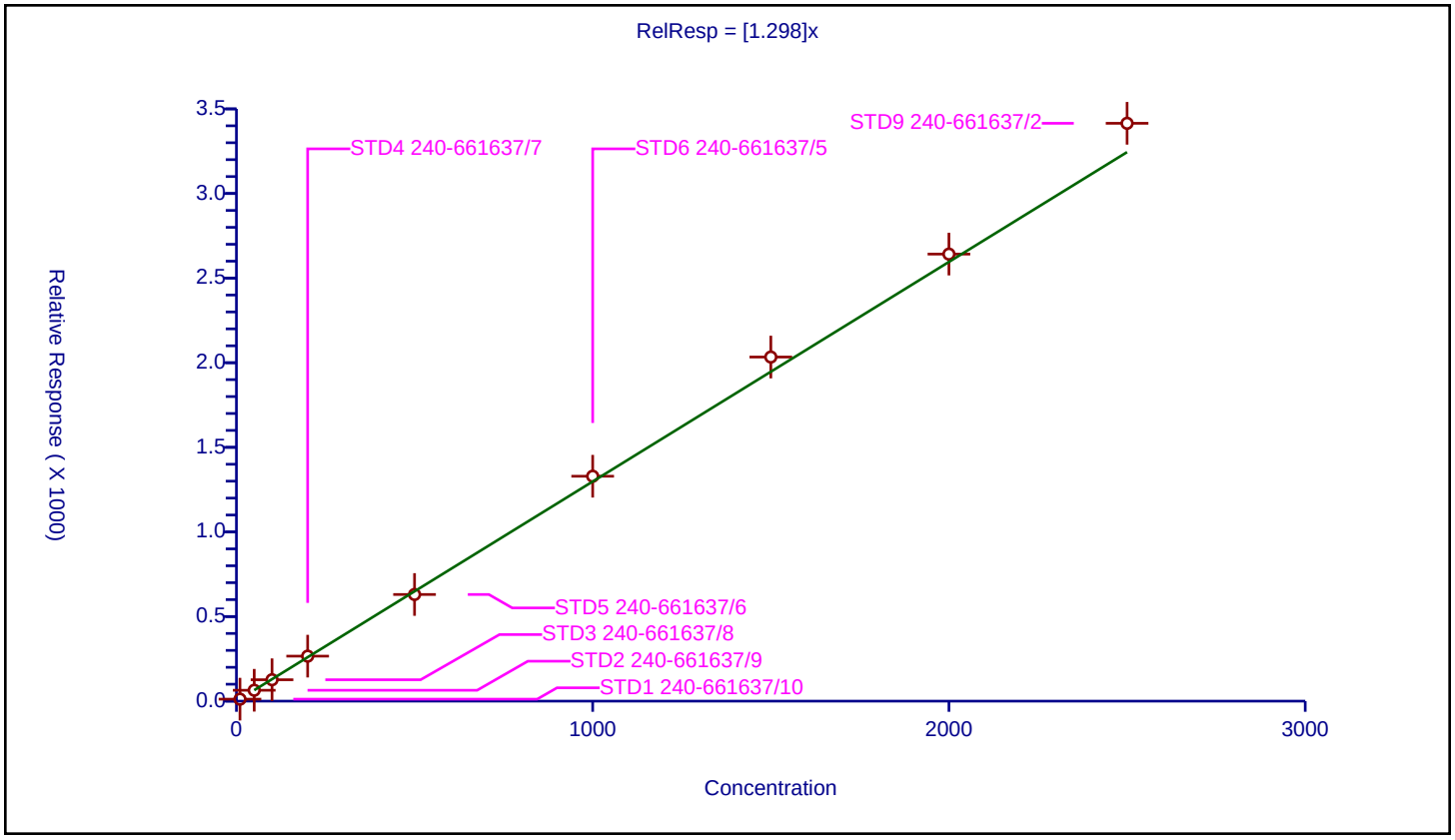
Curve Coefficients

Intercept:	0
Slope:	1.298

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	11.672891	400.0	253579.0	1.167289	Y
2	STD2 240-661637/9	50.0	64.344281	400.0	266852.0	1.286886	Y
3	STD3 240-661637/8	100.0	126.480169	400.0	293801.0	1.264802	Y
4	STD4 240-661637/7	200.0	265.872619	400.0	292006.0	1.329363	Y
5	STD5 240-661637/6	500.0	630.273486	400.0	314678.0	1.260547	Y
6	STD6 240-661637/5	1000.0	1329.168979	400.0	317200.0	1.329169	Y
7	STD7 240-661637/4	1500.0	2033.46756	400.0	296514.0	1.355645	Y
8	STD8 240-661637/3	2000.0	2641.829369	400.0	307822.0	1.320915	Y
9	STD9 240-661637/2	2500.0	3414.769039	400.0	301956.0	1.365908	Y



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Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

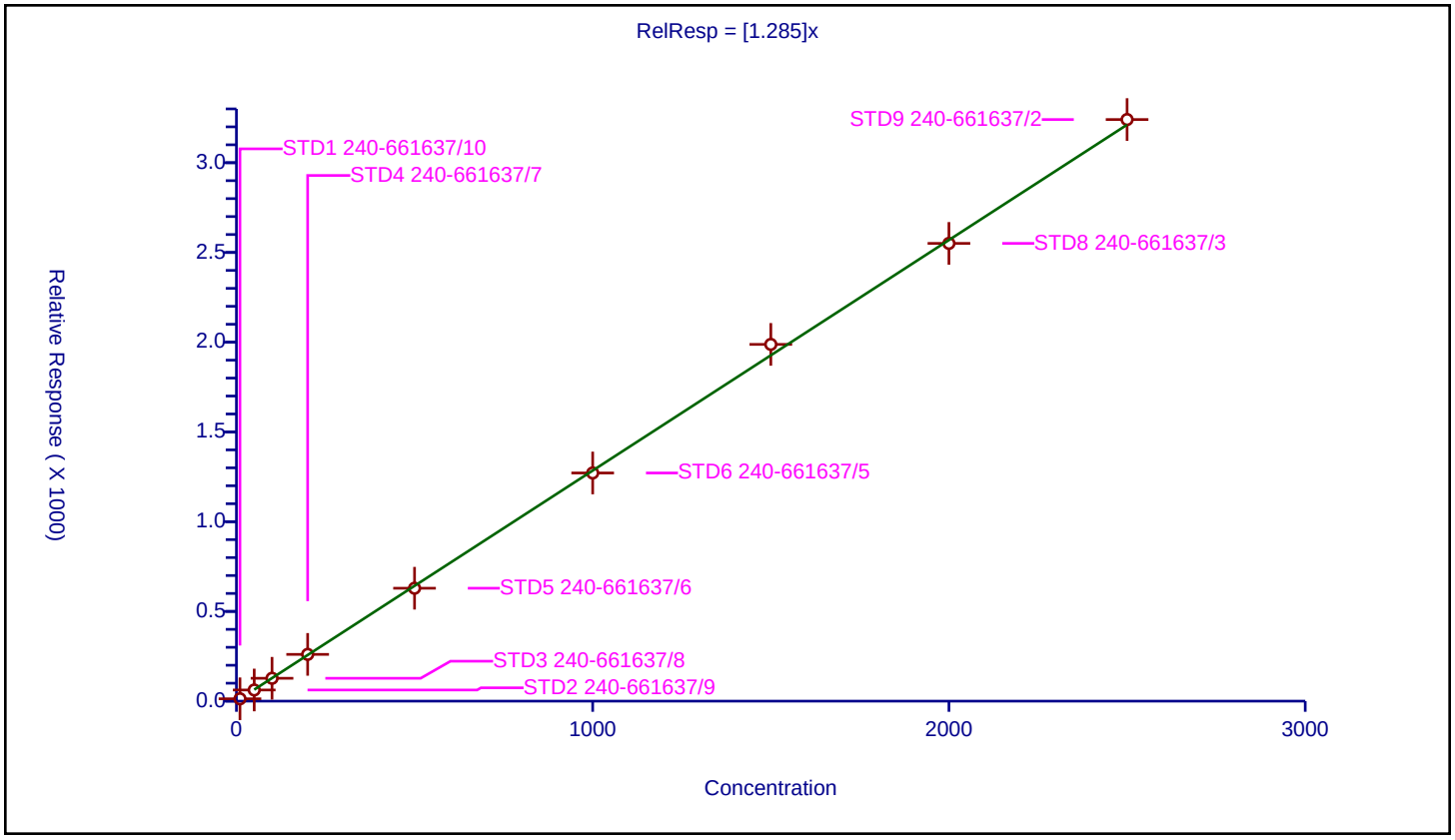
Curve Coefficients

Intercept:	0
Slope:	1.285

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	13.163551	400.0	253579.0	1.316355	Y
2	STD2 240-661637/9	50.0	62.160299	400.0	266852.0	1.243206	Y
3	STD3 240-661637/8	100.0	127.335169	400.0	293801.0	1.273352	Y
4	STD4 240-661637/7	200.0	260.530263	400.0	292006.0	1.302651	Y
5	STD5 240-661637/6	500.0	629.151069	400.0	314678.0	1.258302	Y
6	STD6 240-661637/5	1000.0	1271.262295	400.0	317200.0	1.271262	Y
7	STD7 240-661637/4	1500.0	1987.792819	400.0	296514.0	1.325195	Y
8	STD8 240-661637/3	2000.0	2550.544146	400.0	307822.0	1.275272	Y
9	STD9 240-661637/2	2500.0	3240.69732	400.0	301956.0	1.296279	Y



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Calibration / Di-n-octyl phthalate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

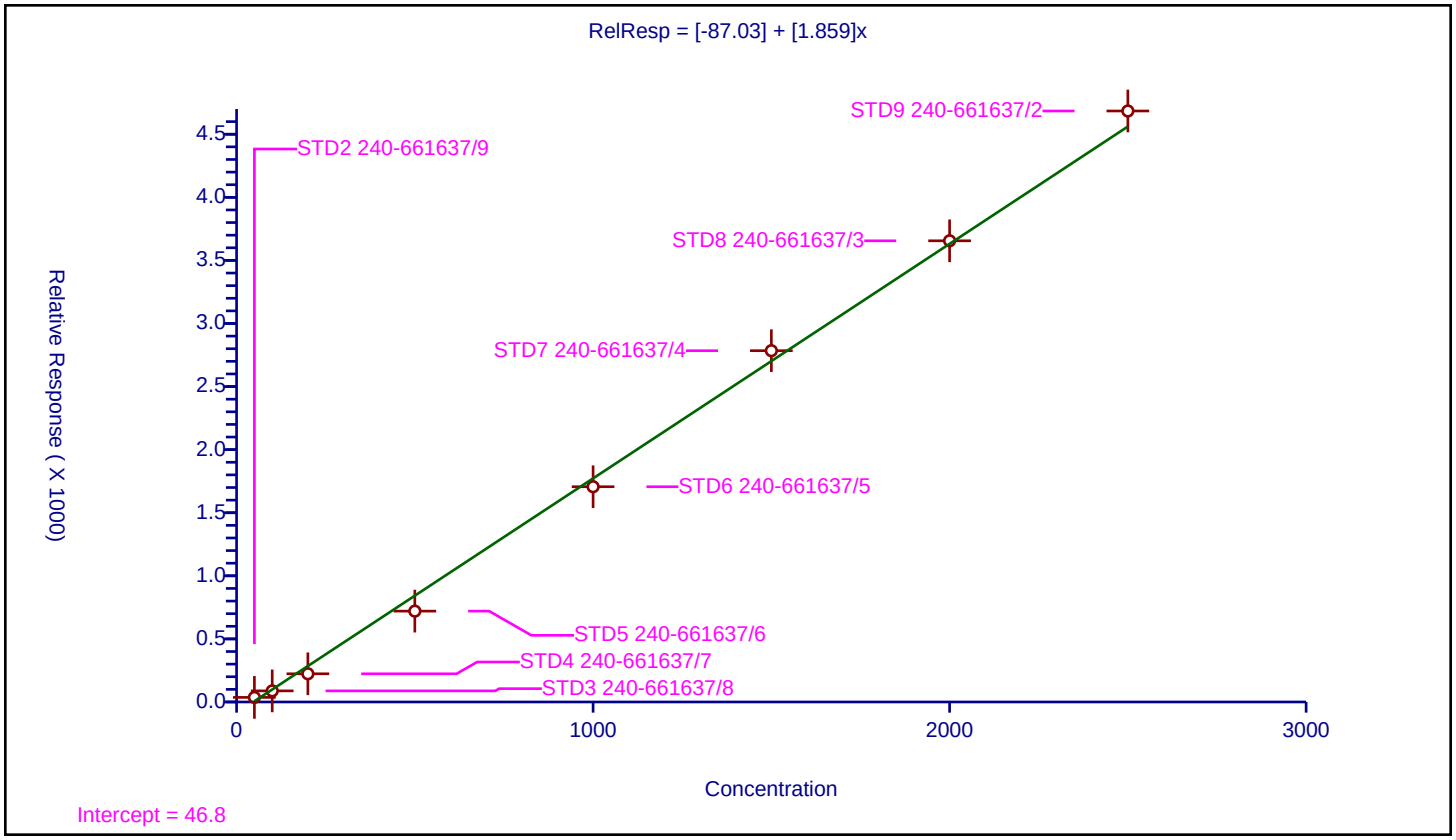
Curve Coefficients

Intercept:	-87.03
Slope:	1.859

Error Coefficients

Relative Standard Deviation:	16.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/9	50.0	36.37731	400.0	241997.0	0.727546	Y
2	STD3 240-661637/8	100.0	88.0282	400.0	271204.0	0.880282	Y
3	STD4 240-661637/7	200.0	223.617264	400.0	276535.0	1.118086	Y
4	STD5 240-661637/6	500.0	720.206941	400.0	288391.0	1.440414	Y
5	STD6 240-661637/5	1000.0	1706.151634	400.0	297612.0	1.706152	Y
6	STD7 240-661637/4	1500.0	2784.496548	400.0	278209.0	1.856331	Y
7	STD8 240-661637/3	2000.0	3655.516484	400.0	296892.0	1.827758	Y
8	STD9 240-661637/2	2500.0	4684.289536	400.0	303492.0	1.873716	Y



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Calibration / Benzo[b]fluoranthene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

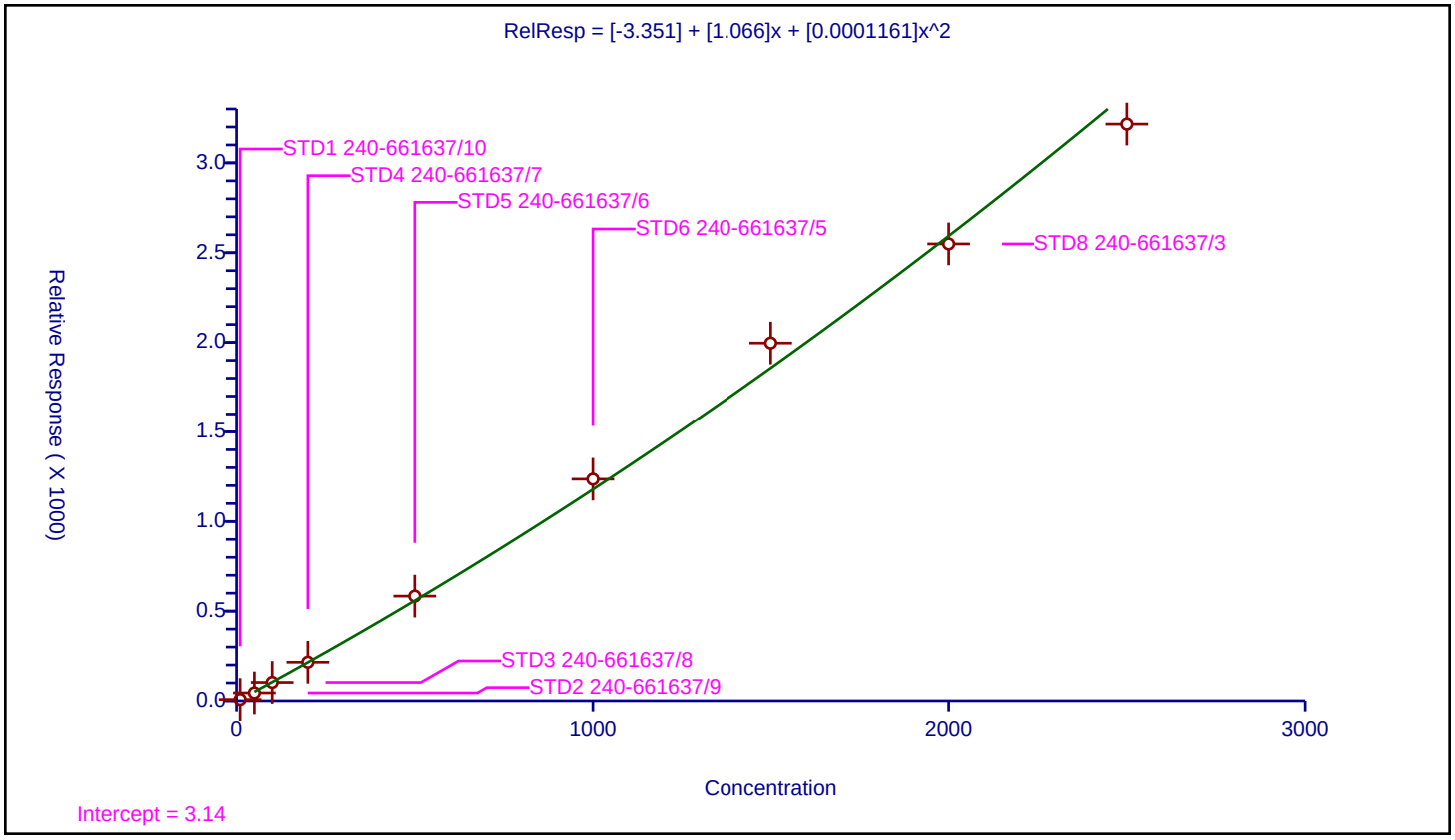
Curve Coefficients

Intercept:	-3.351
Slope:	1.066
Second Order:	0.0001161

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	7.558092	400.0	230111.0	0.755809	Y
2	STD2 240-661637/9	50.0	44.260053	400.0	241997.0	0.885201	Y
3	STD3 240-661637/8	100.0	102.613531	400.0	271204.0	1.026135	Y
4	STD4 240-661637/7	200.0	215.279802	400.0	276535.0	1.076399	Y
5	STD5 240-661637/6	500.0	583.815722	400.0	288391.0	1.167631	Y
6	STD6 240-661637/5	1000.0	1236.061718	400.0	297612.0	1.236062	Y
7	STD7 240-661637/4	1500.0	1996.504786	400.0	278209.0	1.331003	Y
8	STD8 240-661637/3	2000.0	2549.064306	400.0	296892.0	1.274532	Y
9	STD9 240-661637/2	2500.0	3216.158581	400.0	303492.0	1.286463	Y



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Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

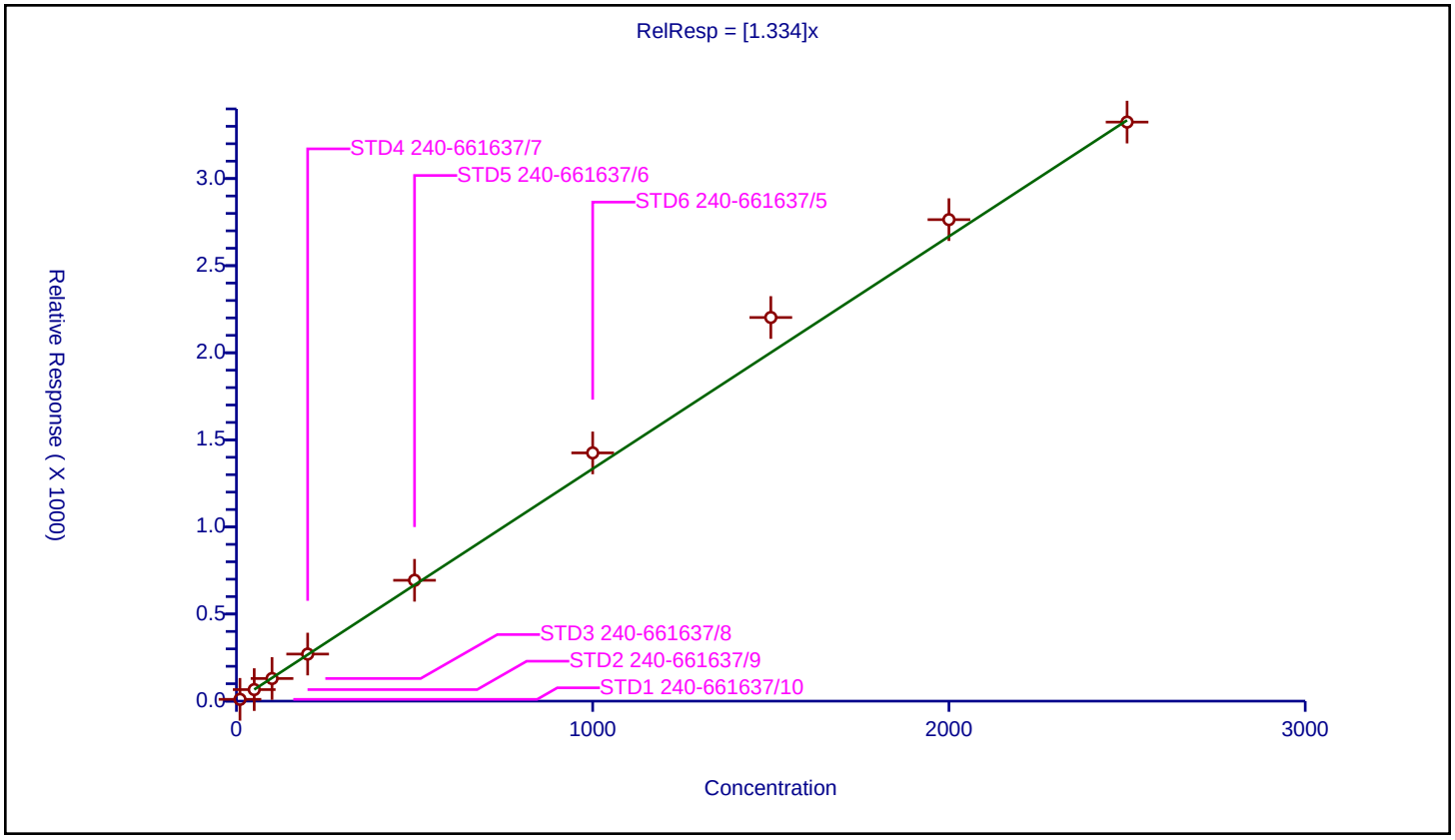
Curve Coefficients

Intercept:	0
Slope:	1.334

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	10.361956	400.0	230111.0	1.036196	Y
2	STD2 240-661637/9	50.0	66.349583	400.0	241997.0	1.326992	Y
3	STD3 240-661637/8	100.0	129.81372	400.0	271204.0	1.298137	Y
4	STD4 240-661637/7	200.0	270.237041	400.0	276535.0	1.351185	Y
5	STD5 240-661637/6	500.0	693.803898	400.0	288391.0	1.387608	Y
6	STD6 240-661637/5	1000.0	1425.18178	400.0	297612.0	1.425182	Y
7	STD7 240-661637/4	1500.0	2202.40898	400.0	278209.0	1.468273	Y
8	STD8 240-661637/3	2000.0	2764.219986	400.0	296892.0	1.38211	Y
9	STD9 240-661637/2	2500.0	3324.368352	400.0	303492.0	1.329747	Y



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Calibration / Benzo[a]pyrene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

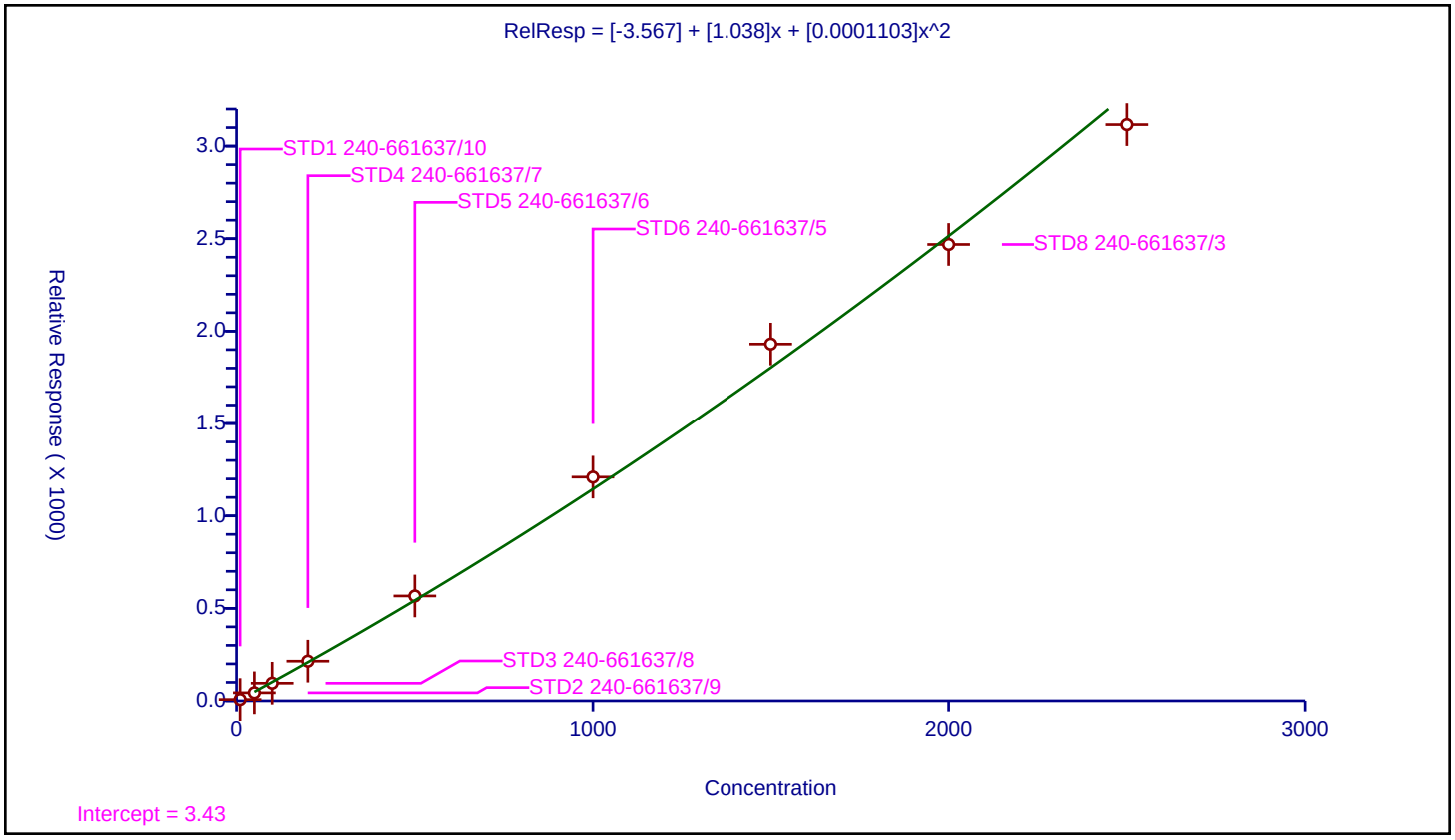
Curve Coefficients

Intercept:	-3.567
Slope:	1.038
Second Order:	0.0001103

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	7.057464	400.0	230111.0	0.705746	Y
2	STD2 240-661637/9	50.0	43.625334	400.0	241997.0	0.872507	Y
3	STD3 240-661637/8	100.0	95.298004	400.0	271204.0	0.95298	Y
4	STD4 240-661637/7	200.0	214.527637	400.0	276535.0	1.072638	Y
5	STD5 240-661637/6	500.0	566.927539	400.0	288391.0	1.133855	Y
6	STD6 240-661637/5	1000.0	1209.846377	400.0	297612.0	1.209846	Y
7	STD7 240-661637/4	1500.0	1930.219367	400.0	278209.0	1.286813	Y
8	STD8 240-661637/3	2000.0	2468.907212	400.0	296892.0	1.234454	Y
9	STD9 240-661637/2	2500.0	3116.100589	400.0	303492.0	1.24644	Y



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Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

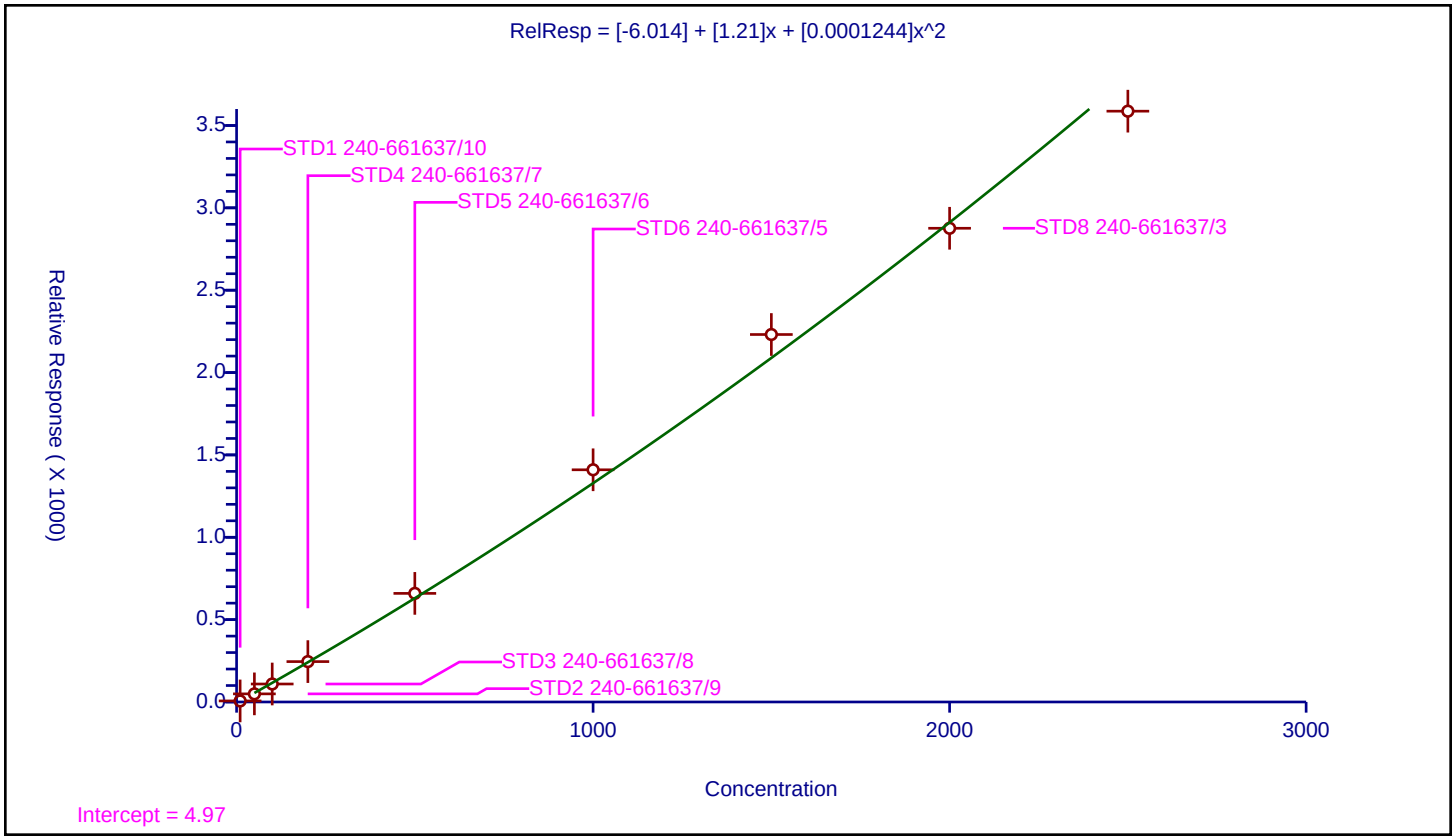
Curve Coefficients

Intercept:	-6.014
Slope:	1.21
Second Order:	0.0001244

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	6.355194	400.0	230111.0	0.635519	Y
2	STD2 240-661637/9	50.0	49.281603	400.0	241997.0	0.985632	Y
3	STD3 240-661637/8	100.0	109.234377	400.0	271204.0	1.092344	Y
4	STD4 240-661637/7	200.0	245.114723	400.0	276535.0	1.225574	Y
5	STD5 240-661637/6	500.0	659.342351	400.0	288391.0	1.318685	Y
6	STD6 240-661637/5	1000.0	1409.742887	400.0	297612.0	1.409743	Y
7	STD7 240-661637/4	1500.0	2231.043568	400.0	278209.0	1.487362	Y
8	STD8 240-661637/3	2000.0	2876.058634	400.0	296892.0	1.438029	Y
9	STD9 240-661637/2	2500.0	3586.821399	400.0	303492.0	1.434729	Y



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Calibration / Dibenz(a,h)anthracene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

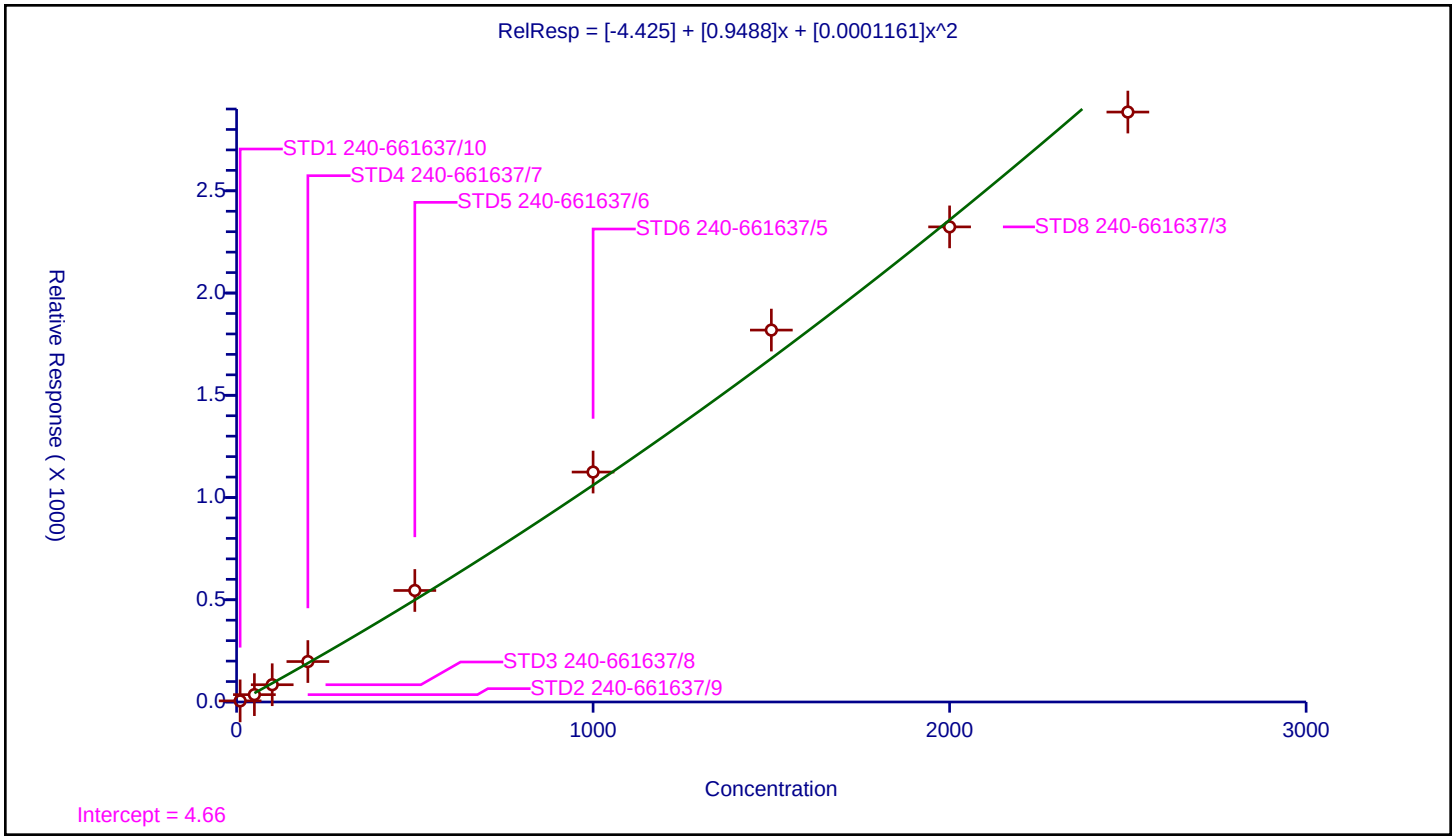
Curve Coefficients

Intercept:	-4.425
Slope:	0.9488
Second Order:	0.0001161

Error Coefficients

Relative Standard Deviation:	9.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	5.395657	400.0	230111.0	0.539566	Y
2	STD2 240-661637/9	50.0	35.947553	400.0	241997.0	0.718951	Y
3	STD3 240-661637/8	100.0	84.379286	400.0	271204.0	0.843793	Y
4	STD4 240-661637/7	200.0	197.748567	400.0	276535.0	0.988743	Y
5	STD5 240-661637/6	500.0	545.388726	400.0	288391.0	1.090777	Y
6	STD6 240-661637/5	1000.0	1124.509764	400.0	297612.0	1.12451	Y
7	STD7 240-661637/4	1500.0	1818.882926	400.0	278209.0	1.212589	Y
8	STD8 240-661637/3	2000.0	2323.506191	400.0	296892.0	1.161753	Y
9	STD9 240-661637/2	2500.0	2885.093512	400.0	303492.0	1.154037	Y



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Calibration / Benzo[g,h,i]perylene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

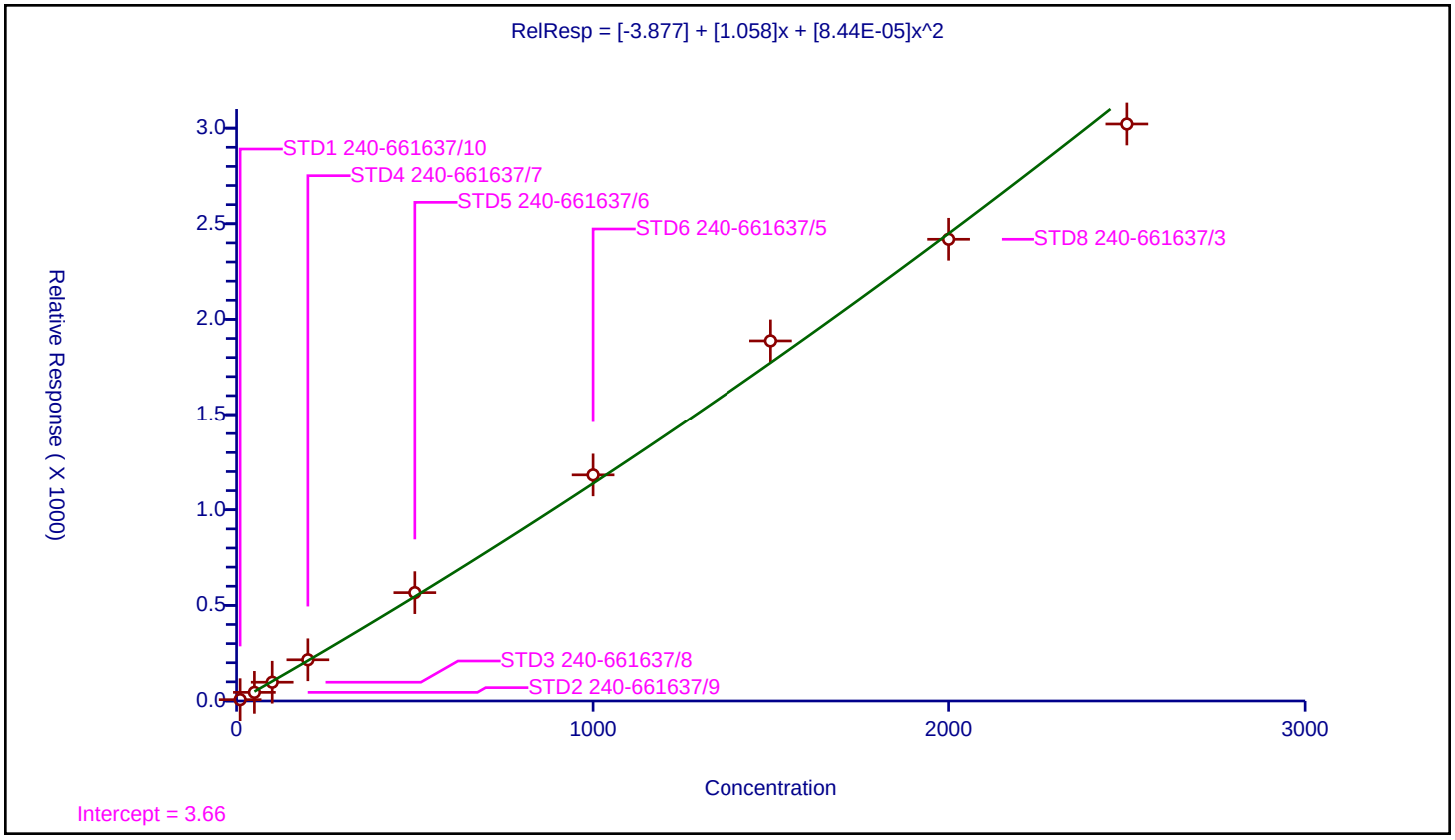
Curve Coefficients

Intercept:	-3.877
Slope:	1.058
Second Order:	8.44E-05

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 240-661637/10	10.0	6.894064	400.0	230111.0	0.689406	Y
2	STD2 240-661637/9	50.0	45.074939	400.0	241997.0	0.901499	Y
3	STD3 240-661637/8	100.0	98.025103	400.0	271204.0	0.980251	Y
4	STD4 240-661637/7	200.0	215.501112	400.0	276535.0	1.077506	Y
5	STD5 240-661637/6	500.0	566.483697	400.0	288391.0	1.132967	Y
6	STD6 240-661637/5	1000.0	1182.387807	400.0	297612.0	1.182388	Y
7	STD7 240-661637/4	1500.0	1887.463022	400.0	278209.0	1.258309	Y
8	STD8 240-661637/3	2000.0	2418.959083	400.0	296892.0	1.20948	Y
9	STD9 240-661637/2	2500.0	3021.850988	400.0	303492.0	1.20874	Y



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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 Calibration End Date: 06/27/2025 14:24 Calibration ID: 78084

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 240-661637/15	250627015.D
Level 2	STD3 240-661637/14	250627014.D
Level 3	STD4 240-661637/13	250627013.D
Level 4	STD5 240-661637/12	250627012.D
Level 5	STD6 240-661637/16	250627016.D
Level 6	STD7 240-661637/17	250627017.D
Level 7	STD8 240-661637/18	250627018.D
Level 8	STD9 240-661637/19	250627019.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Picoline	1.1605 1.2696	1.2694 1.4119	1.1745 1.2706	1.2645	1.4683	Ave		1.2861				8.2		20.0			
N-Nitrosomethylethylamine	0.6774 0.6745	0.5937 0.6840	0.6405 0.7081	0.6575	0.6862	Ave		0.6652				5.3		20.0			
Methyl methanesulfonate	0.8780 0.8777	0.8986 0.8941	0.8568 0.8738	0.8538	0.9671	Ave		0.8875				4.0		20.0			
N-Nitrosodiethylamine	0.5435 0.7102	0.6011 0.7158	0.6292 0.6971	0.6809	0.7155	Ave		0.6617				9.6		20.0			
Ethyl methanesulfonate	0.9662 1.1096	1.0225 1.1262	1.0430 1.0909	1.0592	1.2309	Ave		1.0811				7.3		20.0			
Pentachloroethane	0.3778 0.4201	0.4286 0.4254	0.4219 0.4086	0.4320	0.4394	Ave		0.4192				4.5		20.0			
N-Nitrosopyrrolidine	0.3840 0.7891	0.5011 0.7660	0.5745 0.7640	0.6990	0.7957	Lin1	-25.32	0.7844						20.0	0.9990		0.9900
N-Nitrosomorpholine	0.6984 1.0829	0.8018 1.0579	0.8668 1.0292	0.9840	1.1633	Lin1	-23.25	1.0755						20.0	0.9970		0.9900
2-Toluidine	1.3575 2.2562	1.7554 2.2696	1.9338 2.2054	2.0217	2.3596	Lin1	-51.30	2.2736						20.0	0.9990		0.9900
N-Nitrosopiperidine	0.1384 0.1733	0.1493 0.1726	0.1571 0.1741	0.1879	0.1817	Ave		0.1668				10.1		20.0			
o,o',o''-Triethylphosphorothioate	0.1255 0.1288	0.1451 0.1330	0.1387 0.1252	0.1517	0.1328	Ave		0.1351				7.0		20.0			
alpha,alpha-Dimethyl phenethylamine	+++++ 0.6210	0.3083 0.7035	0.2876 0.7266	0.4217	0.5044	Qua	-39.05	0.4686	0.0001143					20.0	0.9980		0.9900
Hexachloropropene	0.1467 0.1532	0.1549 0.1564	0.1557 0.1609	0.1656	0.1477	Ave		0.1551			0.0100	4.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 Calibration End Date: 06/27/2025 14:24 Calibration ID: 78084

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Quinoline	0.5163 0.6407	0.6693 0.6515	0.6720 0.6087	0.7593	0.7026	Ave		0.6525				10.9		20.0			
N-Nitrosodi-n-butylamine	0.1953 0.2295	0.2181 0.2299	0.2219 0.2179	0.2579	0.2421	Ave		0.2266				8.2		20.0			
p-Phenylene diamine	0.1271 0.3166	0.1507 0.3282	0.2299 0.3171	0.3054	0.3209	Lin1	-13.25	0.3275						20.0	0.9990		0.9900
Safrole, Total	0.2387 0.2347	0.2519 0.2370	0.2553 0.2298	0.2768	0.2589	Ave		0.2479				6.3		20.0			
Isosafrole Peak 1	0.3919 0.5204	0.4277 0.4963	0.4356 0.5225	0.4891	0.4703	Ave		0.4692				10.0		20.0			
Isosafrole Peak 2	0.4382 0.5281	0.4792 0.5200	0.5223 0.5244	0.5665	0.5379	Ave		0.5146				7.6		20.0			
1,4-Naphthoquinone	0.2430 0.3596	0.3129 0.3628	0.3200 0.3562	0.3418	0.3308	Ave		0.3284				11.9		20.0			
1,4-Dinitrobenzene	0.0702 0.1780	0.0951 0.1813	0.1179 0.1886	0.1518	0.1649	Lin1	-8.183	0.1840						20.0	0.9970		0.9900
Pentachlorobenzene	0.3383 0.3409	0.3563 0.3342	0.3445 0.3350	0.3588	0.3333	Ave		0.3427				2.9		20.0			
1-Naphthylamine	0.6747 1.0796	0.9076 1.0350	0.9979 1.0143	1.1019	1.1003	Ave		0.9889				14.4		20.0			
2-Naphthylamine	0.6266 1.1899	0.9692 1.2006	1.0569 1.1980	1.2045	1.2410	Lin1	-27.25	1.2206						20.0	1.0000		0.9900
Thionazin	0.1762 0.3003	0.2149 0.2995	0.2368 0.2887	0.2819	0.2975	Lin1	-7.490	0.2990						20.0	0.9990		0.9900
N-Nitro-o-toluidine	0.1369 0.3803	0.2131 0.3627	0.2725 0.3727	0.3464	0.3561	Lin1	-14.42	0.3764						20.0	0.9990		0.9900
Sulfotepp	0.0395 0.0738	0.0567 0.0744	0.0657 0.0774	0.0740	0.0765	Lin1	-1.930	0.0768						20.0	1.0000		0.9900
1,3,5-Trinitrobenzene	+++++ 0.0626	0.0226 0.0683	0.0325 0.0743	0.0469	0.0579	Qua	-3.266	0.0494	0.0000104					20.0	1.0000		0.9900
Phenacetin	0.2166 0.3845	0.2904 0.3675	0.3229 0.3577	0.3817	0.4136	Lin1	-7.501	0.3789						20.0	0.9960		0.9900
Diallate Peak 1	0.3348 0.3465	0.3869 0.3243	0.3713 0.3164	0.3854	0.3933	Ave		0.3574				8.6		20.0			
Phorate	0.1024 0.1530	0.1392 0.1548	0.1559 0.1478	0.1667	0.1748	Ave		0.1493				14.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 Calibration End Date: 06/27/2025 14:24 Calibration ID: 78084

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Diallate Peak 2	0.3427 0.3714	0.3386 0.3878	0.3356 0.3866	0.3729	0.3844	Ave		0.3650				6.1		20.0			
Dimethoate	0.1546 0.3220	0.2293 0.3214	0.2572 0.3199	0.3125	0.3361	Lin1	-9.384	0.3280						20.0	0.9990		0.9900
4-Aminobiphenyl	0.4202 0.7877	0.5600 0.7854	0.6719 0.7630	0.7483	0.8007	Lin1	-19.88	0.7905						20.0	0.9990		0.9900
Pronamide	0.1668 0.3098	0.2254 0.3105	0.2593 0.3086	0.3058	0.3327	Lin1	-8.055	0.3172						20.0	0.9990		0.9900
Pentachloronitrobenzene	0.0476 0.0766	0.0611 0.0730	0.0694 0.0735	0.0760	0.0808	Lin1	-1.241	0.0759						20.0	0.9980		0.9900
Disulfoton	0.2568 0.4099	0.3338 0.4116	0.3850 0.4041	0.4135	0.4394	Lin1	-7.164	0.4172						20.0	0.9990		0.9900
Dinoseb	0.0307 0.1380	0.0482 0.1464	0.0728 0.1462	0.1124	0.1351	Lin1	-8.542	0.1460						20.0	0.9960		0.9900
Methyl parathion	0.0971 0.2670	0.1366 0.2758	0.1836 0.2764	0.2416	0.2761	Lin1	-12.13	0.2793						20.0	0.9990		0.9900
Ethyl Parathion	0.0535 0.1645	0.0776 0.1730	0.1039 0.1735	0.1434	0.1648	Lin1	-8.429	0.1735						20.0	0.9980		0.9900
4-Nitroquinoline-1-oxide	+++++ 0.0689	0.0155 0.0845	0.0201 0.0966	0.0369	0.0557	Qua	-3.003	0.0318	0.0000266					20.0	1.0000		0.9900
Methapyrilene	0.1508 0.6232	0.2330 0.6118	0.4174 0.6040	0.5776	0.6379	Lin1	-60.08	0.6305						20.0	0.9980		0.9900
Isodrin	0.1261 0.1216	0.1295 0.1177	0.1271 0.1167	0.1268	0.1317	Ave		0.1247				4.4		20.0			
Aramite Peak 1	0.0436 0.1181	0.0549 0.1288	0.0706 0.1264	0.1001	0.1090	Lin1	-3.025	0.1251						20.0	0.9950		0.9900
Aramite Peak 2	0.0907 0.2503	0.1275 0.2642	0.1680 0.2589	0.2129	0.2317	Lin1	-6.172	0.2592						20.0	0.9970		0.9900
p-Dimethylamino azobenzene	0.0960 0.2669	0.1525 0.2650	0.1975 0.2673	0.2450	0.2554	Lin1	-10.49	0.2701						20.0	1.0000		0.9900
Chlorobenzilate	0.3000 0.5463	0.3874 0.5271	0.4547 0.5211	0.5161	0.5174	Lin1	-12.88	0.5350						20.0	0.9990		0.9900
Famphur	0.1400 +++++	0.2045 +++++	0.2529 +++++	0.2360	0.1836	Ave		0.2034				21.9	*	20.0			
3,3'-Dimethylbenzidine	+++++ 0.7189	0.2198 0.7451	0.3866 0.7611	0.5874	0.6767	Lin1	-66.02	0.7696						20.0	0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 Calibration End Date: 06/27/2025 14:24 Calibration ID: 78084

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Acetylaminofluorene	0.1524 0.5587	0.2087 0.5935	0.3037 0.5888	0.4496	0.5117	Lin1	-33.05	0.5843						20.0	0.9950		0.9900
4,4'-Methylene bis(2-chloroaniline)	+++++ 0.2293	0.0987 0.2378	0.1456 0.2392	0.1930	0.2212	Lin1	-17.12	0.2428						20.0	0.9990		0.9900
6-Methylchrysene	0.6739 0.8145	0.7595 0.7971	0.8140 0.7881	0.8635	0.8351	Ave		0.7932				7.2		20.0			
7,12-Dimethylbenz(a)anthracene	0.3069 0.5717	0.4292 0.5888	0.4514 0.5702	0.5512	0.5739	Lin1	-15.94	0.5842						20.0	0.9990		0.9900
3-Methylcholanthrene	0.3054 0.6417	0.4166 0.6295	0.4806 0.6294	0.5776	0.6085	Lin1	-41.31	0.6383						20.0	0.9990		0.9900
Dibenz[a,h]acridine	0.3726 0.9265	0.5029 0.9398	0.6094 0.9584	0.7824	0.8503	Lin1	-41.10	0.9460						20.0	0.9970		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 | Calibration End Date: 06/27/2025 14:24 | Calibration ID: 78084

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 240-661637/15	250627015.D
Level 2	STD3 240-661637/14	250627014.D
Level 3	STD4 240-661637/13	250627013.D
Level 4	STD5 240-661637/12	250627012.D
Level 5	STD6 240-661637/16	250627016.D
Level 6	STD7 240-661637/17	250627017.D
Level 7	STD8 240-661637/18	250627018.D
Level 8	STD9 240-661637/19	250627019.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Picoline	DCBd4	Ave	14930 531501	34349 804681	64041 943903	166431	372216	50.0 1500	100 2000	200 2500	500	1000
N-Nitrosomethylethylamine	DCBd4	Ave	8715 282369	16065 389819	34923 526017	86539	173952	50.0 1500	100 2000	200 2500	500	1000
Methyl methanesulfonate	DCBd4	Ave	11296 367451	24316 509581	46719 649106	112378	245160	50.0 1500	100 2000	200 2500	500	1000
N-Nitrosodiethylamine	DCBd4	Ave	6992 297300	16266 407956	34310 517888	89615	181379	50.0 1500	100 2000	200 2500	500	1000
Ethyl methanesulfonate	DCBd4	Ave	12431 464539	27668 641864	56875 810415	139406	312030	50.0 1500	100 2000	200 2500	500	1000
Pentachloroethane	DCBd4	Ave	4860 175852	11599 242438	23008 303524	56856	111385	50.0 1500	100 2000	200 2500	500	1000
N-Nitrosopyrrolidine	DCBd4	Lin1	4941 330351	13561 436561	31324 567569	91999	201703	50.0 1500	100 2000	200 2500	500	1000
N-Nitrosomorpholine	DCBd4	Lin1	8985 453355	21697 602919	47263 764594	129517	294898	50.0 1500	100 2000	200 2500	500	1000
2-Toluidine	DCBd4	Lin1	17465 944526	47501 1293541	105449 1638320	266102	598165	50.0 1500	100 2000	200 2500	500	1000
N-Nitrosopiperidine	NPT	Ave	6168 331593	15339 441150	34008 572640	97571	213662	50.0 1500	100 2000	200 2500	500	1000
o,o',o''-Triethylphosphorothioate	NPT	Ave	5592 246553	14909 339966	30012 411671	78774	156185	50.0 1500	100 2000	200 2500	500	1000
alpha,alpha-Dimethyl phenethylamine	NPT	Qua	+++++ 1188442	31674 1798160	62251 2389633	218988	593068	+++++ 1500	100 2000	200 2500	500	1000
Hexachloropropene	NPT	Ave	6536 293274	15913 399828	33705 529251	85987	173635	50.0 1500	100 2000	200 2500	500	1000
Quinoline	NPT	Ave	23006 1226188	68771 1665321	145436 2001870	394251	826104	50.0 1500	100 2000	200 2500	500	1000
N-Nitrosodi-n-butylamine	NPT	Ave	8703 439198	22414 587617	48025 716732	133916	284724	50.0 1500	100 2000	200 2500	500	1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 Calibration End Date: 06/27/2025 14:24 Calibration ID: 78084

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
p-Phenylene diamine	NPT	Lin1	5665 605903	15479 838904	49749 1042776	158569	377293	50.0 1500	100 2000	200 2500	500	1000
Safrole, Total	NPT	Ave	10636 449094	25877 605810	55240 755799	143748	304390	50.0 1500	100 2000	200 2500	500	1000
Isosafrole Peak 1	ANT	Ave	1871 84536	4409 111552	9164 144078	24722	50079	8.00 240	16.0 320	32.0 400	80.0	160
Isosafrole Peak 2	ANT	Ave	10983 450400	25937 613527	57691 759223	150337	300724	42.0 1260	84.0 1680	168 2100	420	840
1,4-Naphthoquinone	ANT	Ave	7252 365076	20161 509662	42083 613864	107979	220161	50.0 1500	100 2000	200 2500	500	1000
1,4-Dinitrobenzene	ANT	Lin1	2094 180744	6125 254722	15507 325013	47969	109763	50.0 1500	100 2000	200 2500	500	1000
Pentachlorobenzene	ANT	Ave	10094 346160	22955 469512	45303 577367	113348	221810	50.0 1500	100 2000	200 2500	500	1000
1-Naphthylamine	ANT	Ave	20132 1096148	58475 1453833	131214 1748158	348100	732277	50.0 1500	100 2000	200 2500	500	1000
2-Naphthylamine	ANT	Lin1	18696 1208227	62445 1686396	138983 2064753	380521	825902	50.0 1500	100 2000	200 2500	500	1000
Thionazin	ANT	Lin1	5256 304899	13846 420725	31144 497622	89058	197966	50.0 1500	100 2000	200 2500	500	1000
N-Nitro-o-toluidine	ANT	Lin1	4086 386118	13729 509444	35834 642343	109434	236978	50.0 1500	100 2000	200 2500	500	1000
Sulfotepp	PHN	Lin1	1848 123054	5664 165416	13558 210901	37952	78941	50.0 1500	100 2000	200 2500	500	1000
1,3,5-Trinitrobenzene	PHN	Qua	+++++ 104271	2261 151896	6721 202402	24052	59726	+++++ 1500	100 2000	200 2500	500	1000
Phenacetin	PHN	Lin1	10145 640893	29013 817223	66685 974423	195851	426477	50.0 1500	100 2000	200 2500	500	1000
Diallate Peak 1	PHN	Ave	11604 427370	28605 533637	56748 637955	146336	300112	37.0 1110	74.0 1480	148 1850	370	740
Phorate	PHN	Ave	4796 255057	13909 344285	32205 402739	85524	180313	50.0 1500	100 2000	200 2500	500	1000
Diallate Peak 2	PHN	Ave	4173 160978	8797 224237	18021 273826	49746	103074	13.0 390	26.0 520	52.0 650	130	260
Dimethoate	PHN	Lin1	7242 536672	22907 714741	53118 871638	160362	346587	50.0 1500	100 2000	200 2500	500	1000
4-Aminobiphenyl	PHN	Lin1	19679 1312959	55949 1746507	138765 2078787	383935	825765	50.0 1500	100 2000	200 2500	500	1000
Pronamide	PHN	Lin1	7810 516391	22521 690431	53550 840866	156923	343058	50.0 1500	100 2000	200 2500	500	1000
Pentachloronitrobenzene	PHN	Lin1	2230	6108	14327	38993	83283	50.0	100	200	500	1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 | Calibration End Date: 06/27/2025 14:24 | Calibration ID: 78084

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			127688	162229	200313			1500	2000	2500		
Disulfoton	PHN	Lin1	12029 683209	33352 915218	79504 1101032	212147	453162	50.0 1500	100 2000	200 2500	500	1000
Dinoseb	PHN	Lin1	1440 229956	4816 325558	15029 398454	57671	139332	50.0 1500	100 2000	200 2500	500	1000
Methyl parathion	PHN	Lin1	4547 445041	13647 613255	37913 752927	123970	284737	50.0 1500	100 2000	200 2500	500	1000
Ethyl Parathion	PHN	Lin1	2508 274270	7749 384793	21466 472769	73602	169926	50.0 1500	100 2000	200 2500	500	1000
4-Nitroquinoline-1-oxide	PHN	Qua	+++++ 114837	1545 187993	4151 263133	18946	57390	+++++ 1500	100 2000	200 2500	500	1000
Methapyrilene	PHN	Lin1	14123 2077600	46567 2720834	172389 3291191	592712	1315615	100 3000	200 4000	400 5000	1000	2000
Isodrin	PHN	Ave	5904 202740	12941 261816	26250 317929	65073	135829	50.0 1500	100 2000	200 2500	500	1000
Aramite Peak 1	CRY	Lin1	669 66957	1837 99709	4857 123736	17462	39903	24.0 720	48.0 960	96.0 1200	240	480
Aramite Peak 2	CRY	Lin1	1506 153695	4627 221519	12525 274441	40226	91942	26.0 780	52.0 1040	104 1300	260	520
p-Dimethylamino azobenzene	CRY	Lin1	3065 315155	10636 427404	28301 544962	89024	194833	50.0 1500	100 2000	200 2500	500	1000
Chlorobenzilate	CRY	Lin1	9581 645020	27028 849958	65169 1062464	187503	394750	50.0 1500	100 2000	200 2500	500	1000
Famphur	CRY	Ave	4470 +++++	14267 +++++	36245 +++++	85731	140062	50.0 +++++	100 +++++	200 +++++	500	1000
3,3'-Dimethylbenzidine	CRY	Lin1	+++++ 848801	15333 1201488	55407 1551565	213396	516314	+++++ 1500	100 2000	200 2500	500	1000
2-Acetylaminofluorene	CRY	Lin1	4865 659643	14556 957105	43528 1200295	163347	390428	50.0 1500	100 2000	200 2500	500	1000
4,4'-Methylene bis(2-chloroaniline)	CRY	Lin1	+++++ 270753	6889 383473	20863 487703	70135	168739	+++++ 1500	100 2000	200 2500	500	1000
6-Methylchrysene	CRY	Ave	43036 1923514	105965 2570792	233344 3213421	627446	1274246	100 3000	200 4000	400 5000	1000	2000
7,12-Dimethylbenz(a)anthracene	PRY	Lin1	9012 618075	27299 862879	62523 1048844	185189	401076	50.0 1500	100 2000	200 2500	500	1000
3-Methylcholanthrene	PRY	Lin1	17938 1387476	52990 1845045	133124 2315487	388093	850553	100 3000	200 4000	400 5000	1000	2000
Dibenz[a,h]acridine	PRY	Lin1	10942 1001648	31987 1377253	84400 1762789	262853	594306	50.0 1500	100 2000	200 2500	500	1000

FORM VI

GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-229857-1 Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 GC Column: RXI-5SILMS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 Calibration End Date: 06/27/2025 14:24 Calibration ID: 78084

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS/ ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 | Calibration End Date: 06/27/2025 14:24 | Calibration ID: 78084

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD2 240-661637/15	250627015.D
Level 2	STD3 240-661637/14	250627014.D
Level 3	STD4 240-661637/13	250627013.D
Level 4	STD5 240-661637/12	250627012.D
Level 5	STD6 240-661637/16	250627016.D
Level 6	STD7 240-661637/17	250627017.D
Level 7	STD8 240-661637/18	250627018.D
Level 8	STD9 240-661637/19	250627019.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
2-Picoline	-9.8 9.8	-1.3 -1.2	-8.7	-1.7	14.2	-1.3	50 30	30 30	30	30	30	30
N-Nitrosomethylethylamine	1.8 2.8	-10.8 6.4	-3.7	-1.2	3.2	1.4	50 30	30 30	30	30	30	30
Methyl methanesulfonate	-1.1 0.7	1.3 -1.5	-3.5	-3.8	9.0	-1.1	50 30	30 30	30	30	30	30
N-Nitrosodiethylamine	-17.9 8.2	-9.2 5.4	-4.9	2.9	8.1	7.3	50 30	30 30	30	30	30	30
Ethyl methanesulfonate	-10.6 4.2	-5.4 0.9	-3.5	-2.0	13.9	2.6	50 30	30 30	30	30	30	30
Pentachloroethane	-9.9 1.5	2.2 -2.5	0.7	3.0	4.8	0.2	50 30	30 30	30	30	30	30
N-Nitrosopyrrolidine	13.5 -0.7	-3.8 -1.3	-10.6	-4.4	4.7	2.8	50 30	30 30	30	30	30	30
N-Nitrosomorpholine	8.2 -0.6	-3.8 -3.4	-8.6	-4.2	10.3	2.1	50 30	30 30	30	30	30	30
2-Toluidine	4.8 1.0	-0.2 -2.1	-3.7	-6.6	6.0	0.7	50 30	30 30	30	30	30	30
N-Nitrosopiperidine	-17.0 3.5	-10.5 4.4	-5.8	12.6	8.9	3.9	50 30	30 30	30	30	30	30
o,o',o''-Triethylphosphorothioate	-7.1 -1.6	7.4 -7.4	2.6	12.3	-1.7	-4.6	50 30	30 30	30	30	30	30
alpha,alpha-Dimethyl phenethylamine	+++++ 2.8	44.1 -1.2	-1.7	-4.5	-5.7	0.9	 30	50 30	30	30	30	30
Hexachloropropene	-5.5 0.8	-0.2 3.7	0.4	6.7	-4.8	-1.2	50 30	30 30	30	30	30	30
Quinoline	-20.9 -0.2	2.6 -6.7	3.0	16.4	7.7	-1.8	50 30	30 30	30	30	30	30
N-Nitrosodi-n-butylamine	-13.8 1.5	-3.7 -3.8	-2.1	13.8	6.9	1.3	50 30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS/ ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 | Calibration End Date: 06/27/2025 14:24 | Calibration ID: 78084

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
p-Phenylene diamine	19.7 2.2	-13.5 -1.6	-9.6	1.3	2.0	-0.6	50 30	30 30	30	30	30	30
Safrole, Total	-3.7 -4.4	1.6 -7.3	3.0	11.7	4.4	-5.3	50 30	30 30	30	30	30	30
Isosafrole Peak 1	-16.5 5.8	-8.8 11.4	-7.2	4.2	0.2	10.9	50 30	30 30	30	30	30	30
Isosafrole Peak 2	-14.8 1.0	-6.9 1.9	1.5	10.1	4.5	2.6	50 30	30 30	30	30	30	30
1,4-Naphthoquinone	-26.0 10.5	-4.7 8.5	-2.5	4.1	0.7	9.5	50 30	30 30	30	30	30	30
1,4-Dinitrobenzene	27.1 0.8	-3.8 4.3	-13.7	-8.6	-5.9	-0.3	50 30	30 30	30	30	30	30
Pentachlorobenzene	-1.3 -2.5	4.0 -2.2	0.5	4.7	-2.7	-0.5	50 30	30 30	30	30	30	30
1-Naphthylamine	-31.8 4.7	-8.2 2.6	0.9	11.4	11.3	9.2	50 30	30 30	30	30	30	30
2-Naphthylamine	-4.0 -0.5	1.7 -1.0	-2.2	3.1	3.9	-1.0	50 30	30 30	30	30	30	30
Thionazin	9.0 1.4	-3.1 -2.4	-8.3	-0.7	2.0	2.1	50 30	30 30	30	30	30	30
N-Nitro-o-toluidine	13.0 -1.7	-5.1 0.5	-8.4	-0.3	-1.6	3.6	50 30	30 30	30	30	30	30
Sulfotepp	1.7 -1.9	-1.0 1.8	-1.9	1.4	2.2	-2.2	50 30	30 30	30	30	30	30
1,3,5-Trinitrobenzene	+++++ -0.3	9.4 0.1	-4.9	-2.0	1.9	-0.4	 30	50 30	30	30	30	30
Phenacetin	-3.3 -2.0	-3.6 -4.8	-4.9	4.7	11.1	2.8	50 30	30 30	30	30	30	30
Diallate Peak 1	-6.3 -9.3	8.3 -11.5	3.9	7.8	10.0	-3.0	50 30	30 30	30	30	30	30
Phorate	-31.4 3.7	-6.8 -1.0	4.4	11.6	17.1	2.5	50 30	30 30	30	30	30	30
Diallate Peak 2	-6.1 6.3	-7.2 5.9	-8.1	2.2	5.3	1.8	50 30	30 30	30	30	30	30
Dimethoate	4.3 -0.6	-1.5 -1.3	-7.3	1.0	5.3	0.1	50 30	30 30	30	30	30	30
4-Aminobiphenyl	3.5 0.6	-4.0 -2.5	-2.4	-0.3	3.8	1.3	50 30	30 30	30	30	30	30
Pronamide	3.4 -0.8	-3.5 -1.7	-5.6	1.5	7.4	-0.6	50 30	30 30	30	30	30	30
Pentachloronitrobenzene	-4.5 -3.0	-3.1 -2.5	-0.4	3.4	8.1	2.0	50 30	30 30	30	30	30	30

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1 | Analy Batch No.: 661637

SDG No.:

Instrument ID: A4AG3 | GC Column: RXI-5SILMS/ ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/27/2025 11:46 | Calibration End Date: 06/27/2025 14:24 | Calibration ID: 78084

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
Disulfoton	-4.1 -0.5	-2.8 -2.4	0.9	2.5	7.0	-0.6	50 30	30 30	30	30	30	30
Dinoseb	38.1 3.2	-8.5 2.5	-20.9	-11.3	-1.6	-1.6	50 30	30 30	30	30	30	30
Methyl parathion	21.6 0.9	-7.7 0.7	-12.5	-4.8	3.2	-1.5	50 30	30 30	30	30	30	30
Ethyl Parathion	28.0 2.2	-6.7 2.0	-15.8	-7.6	-0.2	-1.9	50 30	30 30	30	30	30	30
4-Nitroquinoline-1-oxide	+++++ 0.8	29.1 -0.3	-4.8	-3.7	0.3	-0.7	 30	50 30	30	30	30	30
Methapyrilene	19.2 -0.6	-15.4 -2.3	-10.0	1.1	5.9	2.0	50 30	30 30	30	30	30	30
Isodrin	1.1 -5.6	3.9 -6.4	2.0	1.7	5.7	-2.4	50 30	30 30	30	30	30	30
Aramite Peak 1	35.6 5.5	-5.8 3.1	-18.4	-9.9	-7.9	-2.2	50 30	30 30	30	30	30	30
Aramite Peak 2	26.6 4.2	-5.0 1.7	-12.3	-8.7	-6.0	-0.4	50 30	30 30	30	30	30	30
p-Dimethylamino azobenzene	13.2 0.1	-4.7 0.5	-7.5	-1.5	-1.6	1.4	50 30	30 30	30	30	30	30
Chlorobenzilate	4.2 -0.3	-3.5 -1.6	-3.0	1.3	-0.9	3.7	50 30	30 30	30	30	30	30
Famphur	-31.2 +++++	0.6 +++++	24.3	16.0	-9.7	+++++	50	30	30	30	30	
3,3'-Dimethylbenzidine	+++++ 1.1	14.3 2.3	-6.9	-6.5	-3.5	-0.9	 30	50 30	30	30	30	30
2-Acetylaminofluorene	39.2 4.4	-7.7 3.0	-19.7	-11.7	-6.8	-0.6	50 30	30 30	30	30	30	30
4,4'-Methylene bis(2-chloroaniline)	+++++ 1.5	11.2 1.3	-4.8	-6.4	-1.9	-0.9	 30	50 30	30	30	30	30
6-Methylchrysene	-15.0 0.5	-4.3 -0.6	2.6	8.9	5.3	2.7	50 30	30 30	30	30	30	30
7,12-Dimethylbenz(a)anthracene	7.1 2.2	0.7 -1.3	-9.1	-0.2	1.0	-0.3	50 30	30 30	30	30	30	30
3-Methylcholanthrene	12.6 0.2	-2.4 -0.1	-8.5	-3.0	-1.4	2.7	50 30	30 30	30	30	30	30
Dibenz[a,h]acridine	26.3 1.5	-3.4 3.0	-13.9	-8.6	-5.8	0.8	50 30	30 30	30	30	30	30

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627012.D
Lims ID: std5 lst2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Jun-2025 11:46:07 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD5 LST2
Misc. Info.: 240-0156317-012
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 15:15:51 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 14:47:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.299	6.299	0.000	97	105296	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	415410	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	93	252726	400.0	400.0	
* 4 Phenanthrene-d10	188	10.105	10.105	0.000	97	410481	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	290654	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	268783	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	96	166431	500.0	491.6	
19 N-Nitrosomethylethylamine	88	4.764	4.764	0.000	98	86539	500.0	494.2	
22 Methyl methanesulfonate	80	5.017	5.017	0.000	87	112378	500.0	481.0	
23 N-Nitrosodiethylamine	102	5.375	5.375	0.000	95	89615	500.0	514.5	
24 Ethyl methanesulfonate	79	5.611	5.611	0.000	99	139406	500.0	489.9	
28 Pentachloroethane	167	6.070	6.070	0.000	94	56856	500.0	515.2	
43 N-Nitrosopyrrolidine	100	6.581	6.581	0.000	88	91999	500.0	477.8	
44 N-Nitrosomorpholine	56	6.611	6.611	0.000	94	129517	500.0	479.1	
47 2-Toluidine	106	6.652	6.652	0.000	97	266102	500.0	467.2	
52 N-Nitrosopiperidine	114	6.881	6.881	0.000	83	97571	500.0	563.2	
56 o,o',o''-Triethylphosphorothioat	198	7.093	7.093	0.000	89	78774	500.0	561.4	
59 alpha,alpha-Dimethyl phenethylam	58	7.211	7.211	0.000	97	218988	500.0	477.7	M
67 Hexachloropropene	213	7.469	7.469	0.000	93	85987	500.0	533.7	
69 Quinoline	129	7.658	7.658	0.000	97	394251	500.0	581.8	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	94	133916	500.0	569.1	
71 p-Phenylene diamine	108	7.693	7.693	0.000	97	158569	500.0	506.7	M
81 Safrole, Total	162	7.869	7.869	0.000	89	143748	500.0	558.4	a
75 Isosafrole Peak 1	162	8.116	8.116	0.000	0	24722	80.0	83.4	a
87 Isosafrole Peak 2	162	8.305	8.305	0.000	0	150337	420.0	462.4	
92 1,4-Naphthoquinone	158	8.505	8.505	0.000	84	107979	500.0	520.4	
93 1,4-Dinitrobenzene	168	8.534	8.534	0.000	93	47969	500.0	457.2	
103 Pentachlorobenzene	250	8.993	8.993	0.000	96	113348	500.0	523.5	
106 1-Naphthylamine	143	9.075	9.075	0.000	99	348100	500.0	557.1	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.081	0.000	89	61104	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.140	0.000	97	380521	500.0	515.7	
112 Thionazin	97	9.234	9.234	0.000	80	89058	500.0	496.4	
113 N-Nitro-o-toluidine	152	9.293	9.293	0.000	95	109434	500.0	498.5	
122 Sulfotepp	202	9.481	9.481	0.000	78	37952	500.0	506.8	
123 1,3,5-Trinitrobenzene	213	9.558	9.558	0.000	81	24052	500.0	489.8	
124 Phenacetin	108	9.610	9.610	0.000	92	195851	500.0	523.4	
125 Diallate Peak 1	86	9.616	9.616	0.000	0	146336	370.0	399.0	
126 Phorate	121	9.622	9.622	0.000	96	85524	500.0	558.0	
127 Diallate Peak 2	86	9.693	9.693	0.000	0	49746	130.0	132.8	a
129 Dimethoate	87	9.763	9.763	0.000	97	160362	500.0	505.0	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	89	383935	500.0	498.5	
134 Pronamide	173	9.946	9.946	0.000	91	156923	500.0	507.5	
136 Pentachloronitrobenzene	237	9.958	9.958	0.000	84	38993	500.0	517.1	
137 Disulfoton	88	10.058	10.058	0.000	97	212147	500.0	512.7	
138 Dinoseb	211	10.063	10.063	0.000	90	57671	500.0	443.5	
143 Methyl parathion	109	10.381	10.381	0.000	90	123970	500.0	476.0	
145 Ethyl Parathion	97	10.699	10.699	0.000	84	73602	500.0	462.0	
146 4-Nitroquinoline-1-oxide	190	10.752	10.752	0.000	67	18946	500.0	481.4	
147 Methapyrilene	58	10.799	10.799	0.000	98	592712	1000.0	1011.3	
148 Isodrin	66	11.016	11.016	0.000	89	65073	500.0	508.7	
152 Aramite Peak 1	185	11.410	11.410	0.000	0	17462	240.0	216.2	a
153 Aramite Peak 2	185	11.487	11.487	0.000	0	40226	260.0	237.3	a
154 p-Dimethylamino azobenzene	225	11.610	11.610	0.000	92	89024	500.0	492.5	
155 Chlorobenzilate	139	11.646	11.646	0.000	79	187503	500.0	506.4	
156 Famphur	218	11.904	11.904	0.000	89	85731	500.0	580.1	
158 3,3'-Dimethylbenzidine	212	11.969	11.969	0.000	99	213396	500.0	467.4	
160 2-Acetylaminofluorene	181	12.269	12.269	0.000	95	163347	500.0	441.3	
161 4,4'-Methylene bis(2-chloroanil	231	12.634	12.634	0.000	94	70135	500.0	468.0	
166 6-Methylchrysene	242	13.393	13.393	0.000	99	627446	1000.0	1088.6	
168 7,12-Dimethylbenz(a)anthracene	256	14.257	14.257	0.000	93	185189	500.0	499.0	
172 3-Methylcholanthrene	268	15.334	15.334	0.000	95	388093	1000.0	969.5	
174 Dibenz[a,h]acridine	279	16.192	16.192	0.000	93	262853	500.0	456.9	
S 199 Isosafrole	162				0		500.0	545.8	
S 200 Diallate	86				0		500.0	531.8	
S 201 Aramite, Total	185				0		500.0	453.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SMLIST2 L5 W_00036 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 15:15:52 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627012.D

Injection Date: 27-Jun-2025 11:46:07 Instrument ID: A4AG3 Operator ID:

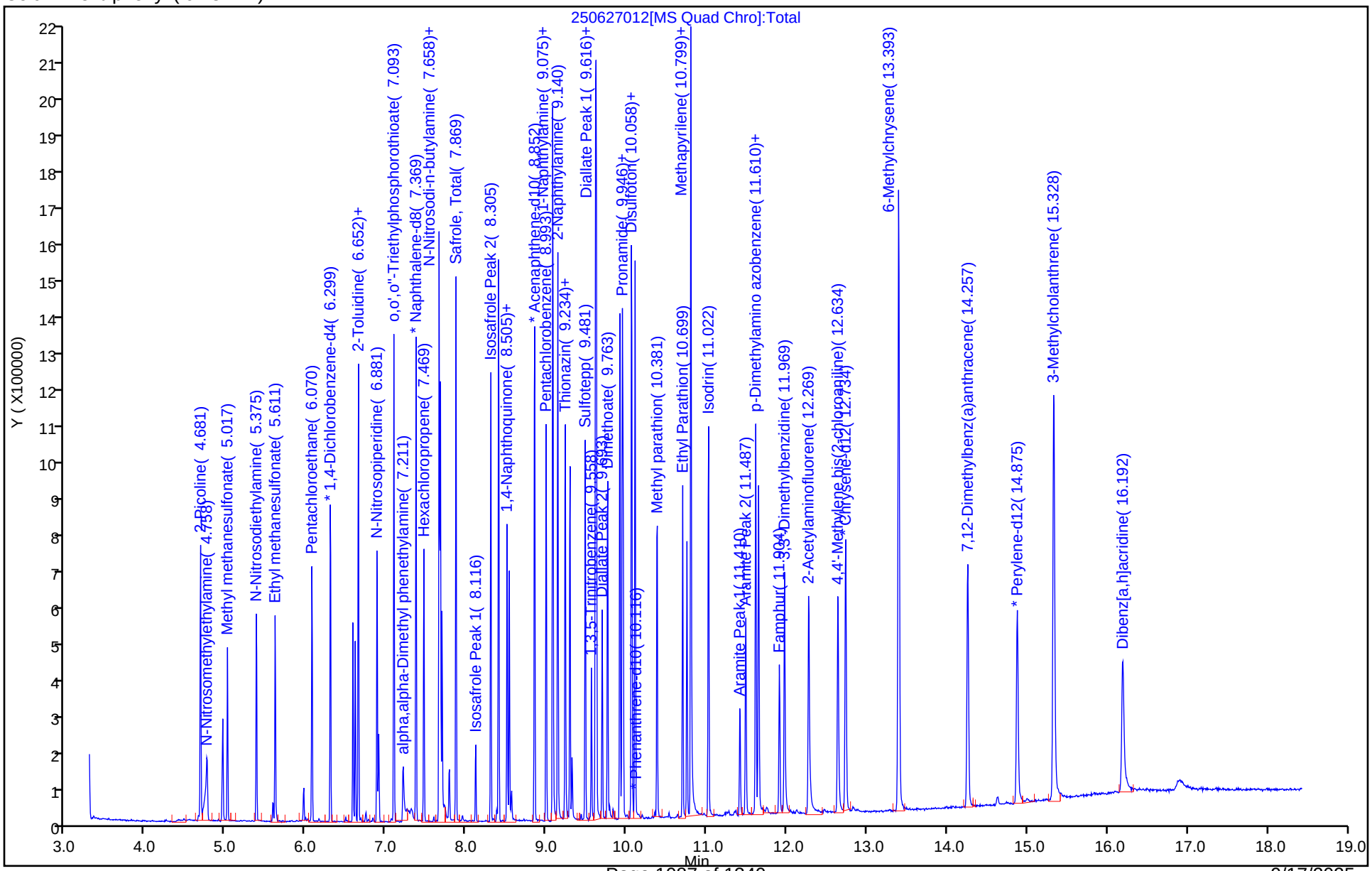
Lims ID: std5 lst2 Worklist Smp#: 12

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 12

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

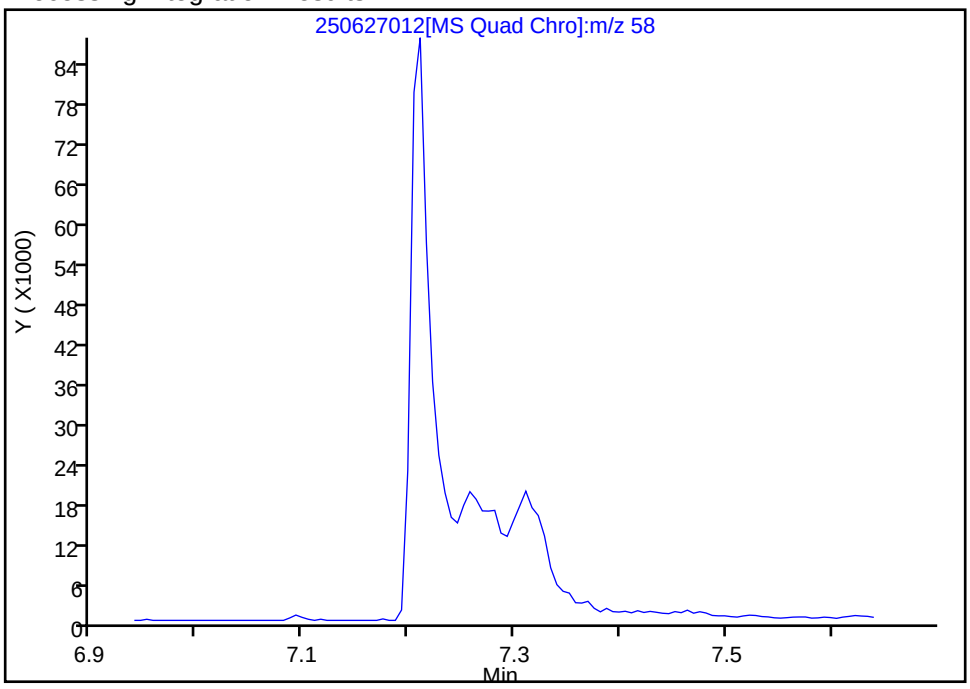
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Injection Date:	27-Jun-2025 11:46:07	Instrument ID:	A4AG3		
Lims ID:	std5 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

59 alpha,alpha-Dimethyl phenethylam, CAS: 122-09-8

Signal: 1

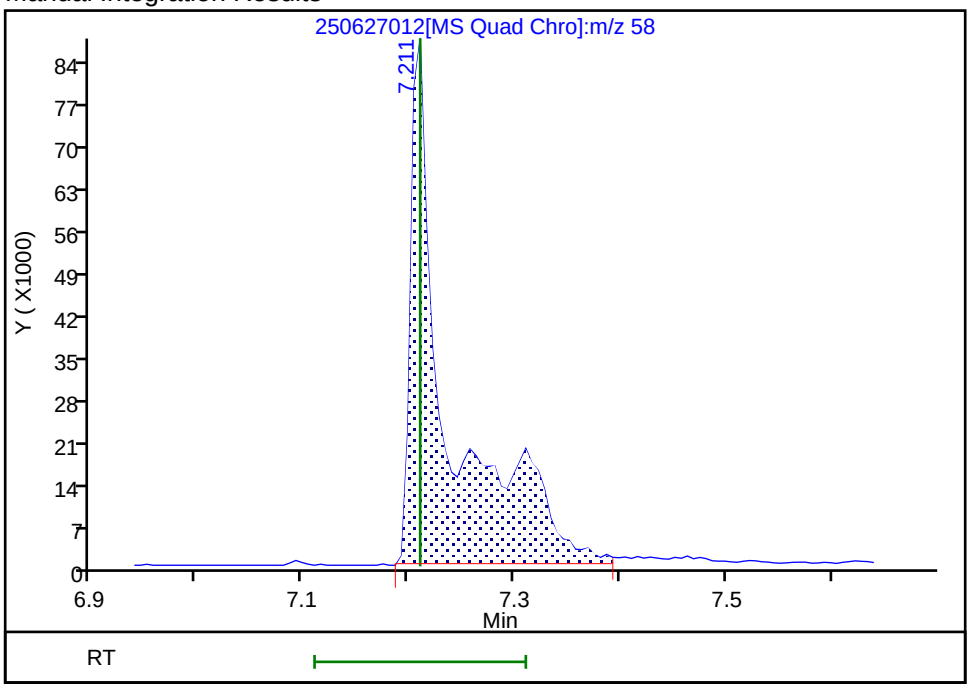
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.21
Area: 218988
Amount: 477.6963
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:42:45 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

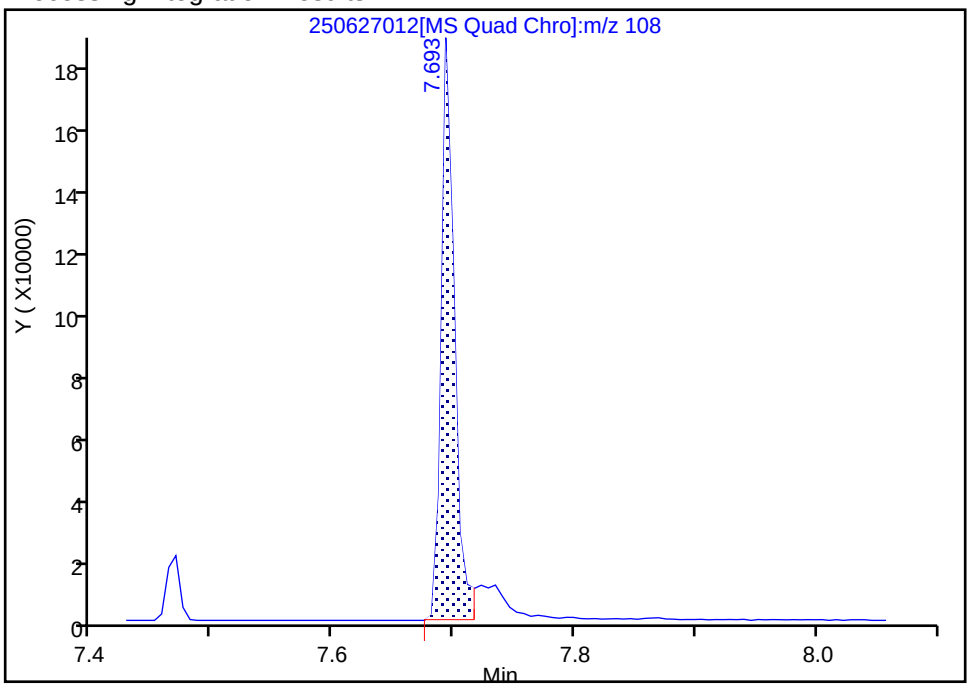
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Injection Date: 27-Jun-2025 11:46:07 Instrument ID: A4AG3
Lims ID: std5 lst2
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Column: 5% phenyl (0.18 mm) Detector MS SCAN

71 p-Phenylene diamine, CAS: 106-50-3

Signal: 1

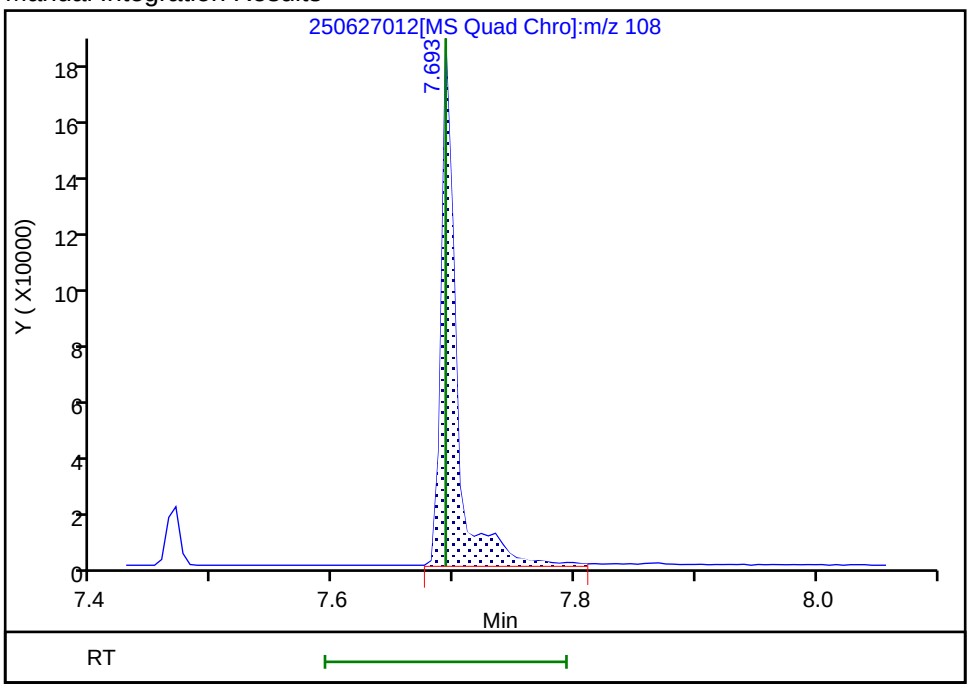
Processing Integration Results

RT: 7.69
Area: 138441
Amount: 500.0000
Amount Units: ng/ml



Manual Integration Results

RT: 7.69
Area: 158569
Amount: 506.6712
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:46:10 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

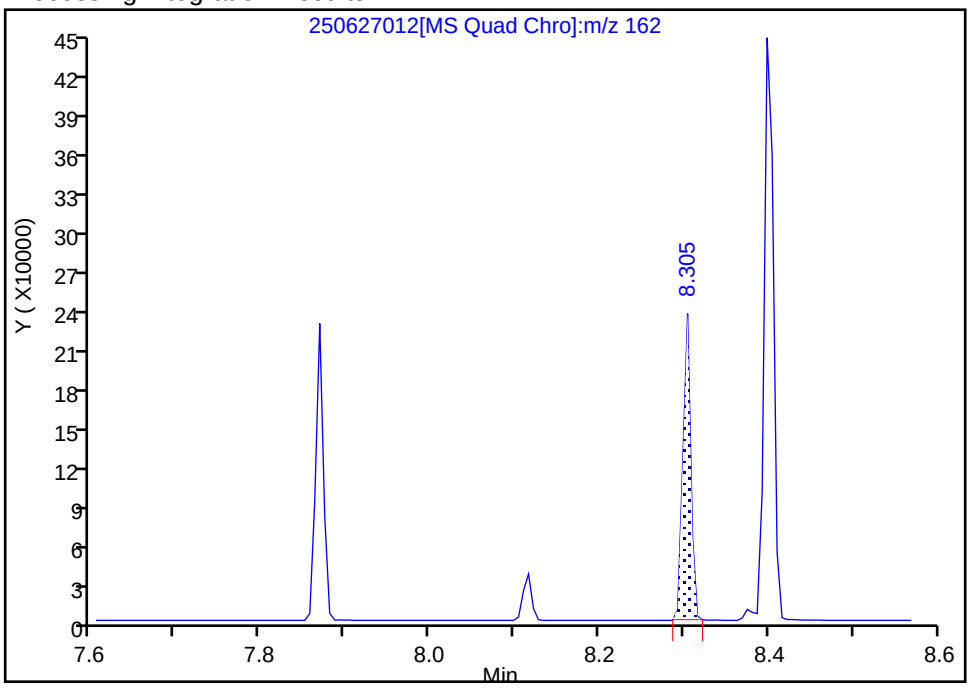
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Injection Date: 27-Jun-2025 11:46:07 Instrument ID: A4AG3
Lims ID: std5 lst2
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Column: 5% phenyl (0.18 mm) Detector MS SCAN

81 Safrole, Total, CAS: 94-59-7

Signal: 1

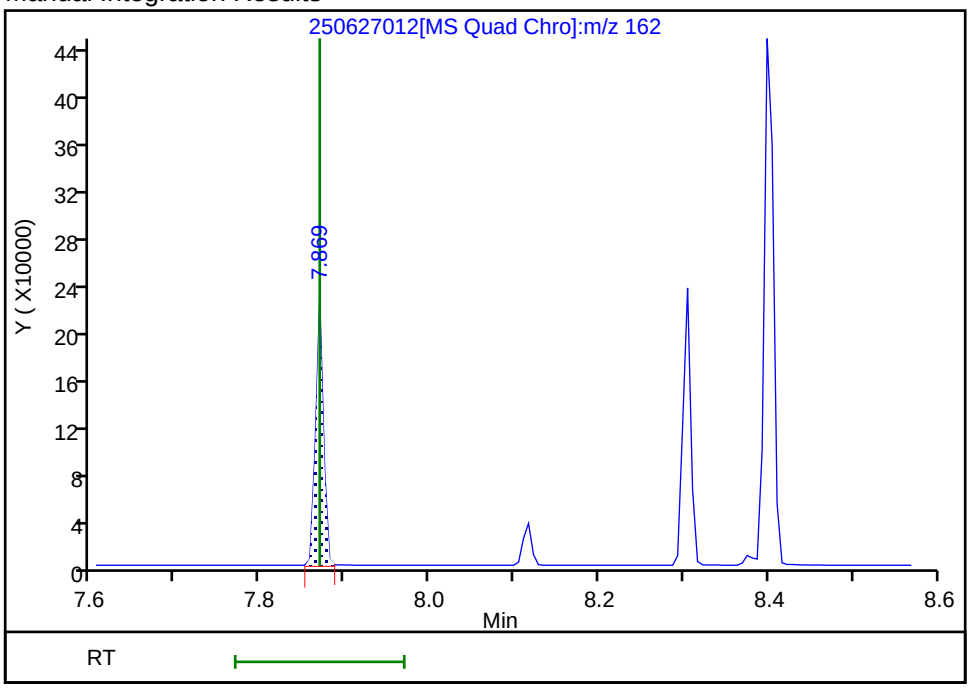
Processing Integration Results

RT: 8.30
Area: 150337
Amount: 500.0000
Amount Units: ng/ml



Manual Integration Results

RT: 7.87
Area: 143748
Amount: 558.4146
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:46:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

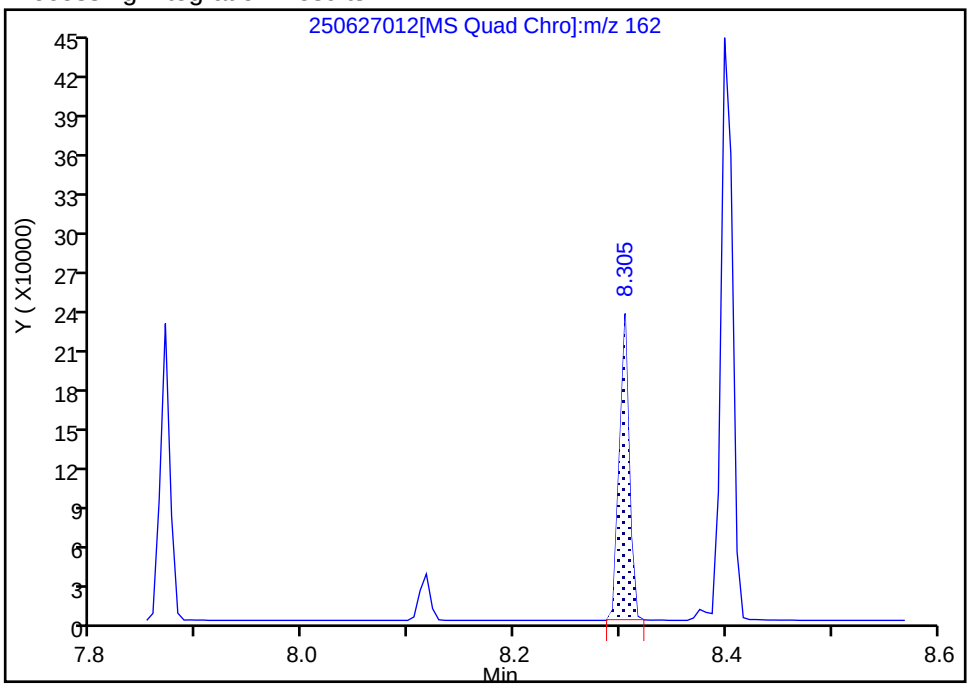
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Injection Date:	27-Jun-2025 11:46:07	Instrument ID:	A4AG3		
Lims ID:	std5 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

75 Isosafrole Peak 1, CAS: STL03315

Signal: 1

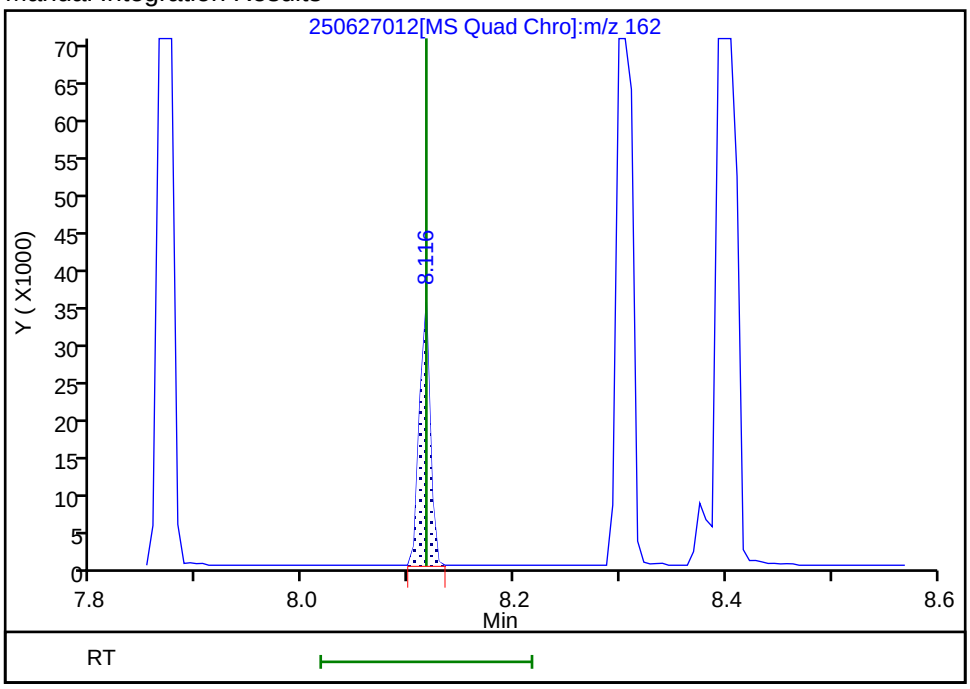
Processing Integration Results

RT: 8.30
Area: 150337
Amount: 87.354509
Amount Units: ng/ml



Manual Integration Results

RT: 8.12
Area: 24722
Amount: 83.390121
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:43:07 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

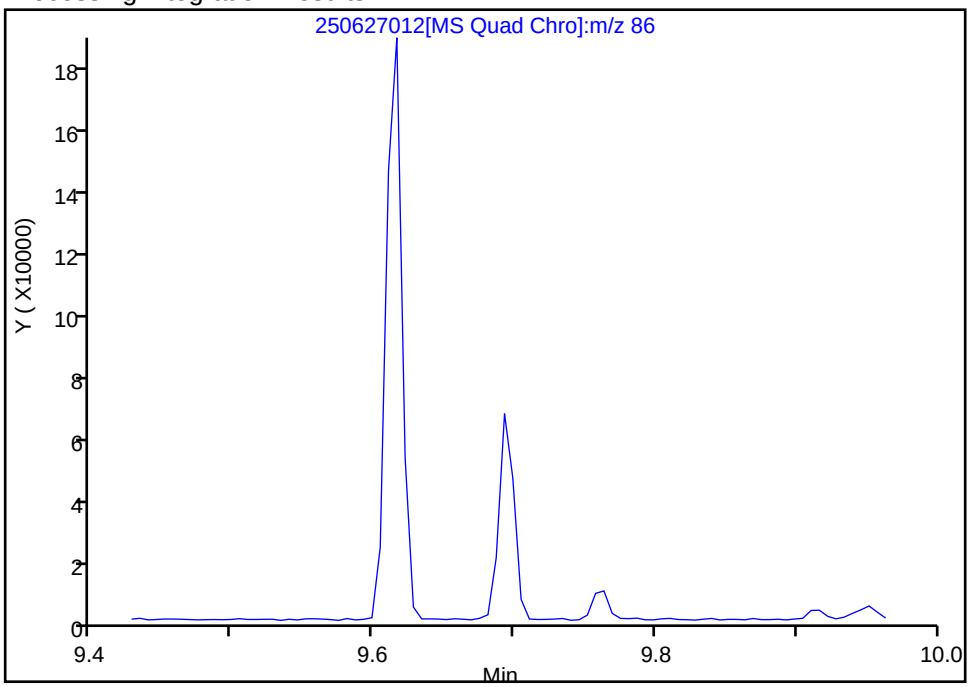
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Injection Date:	27-Jun-2025 11:46:07	Instrument ID:	A4AG3		
Lims ID:	std5 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

127 Diallate Peak 2, CAS: STL03312

Signal: 1

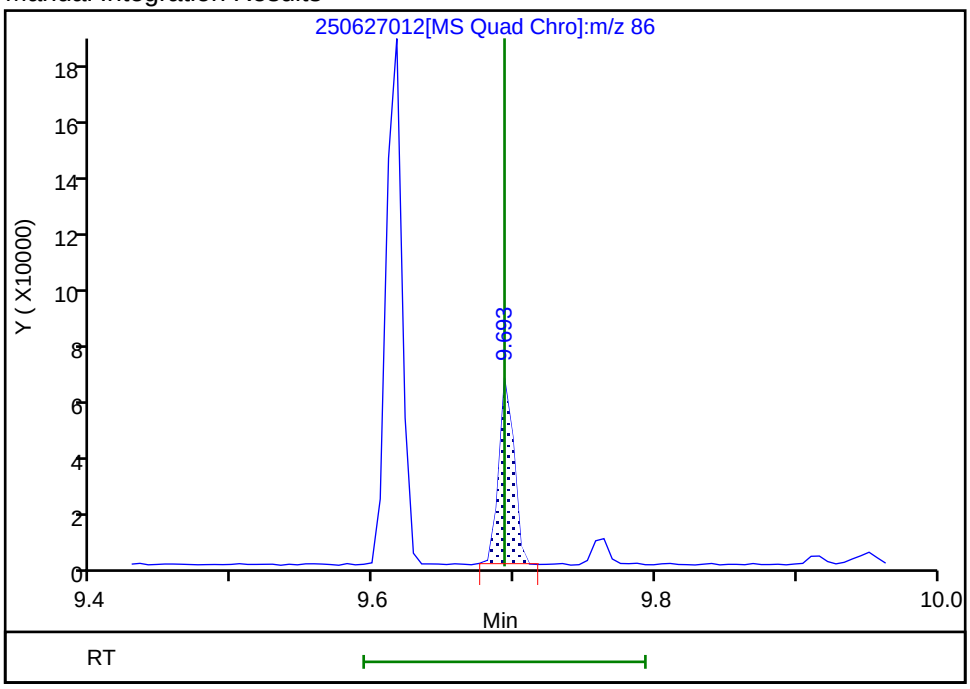
Not Detected
Expected RT: 9.69

Processing Integration Results



Manual Integration Results

RT: 9.69
Area: 49746
Amount: 132.8053
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:46:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

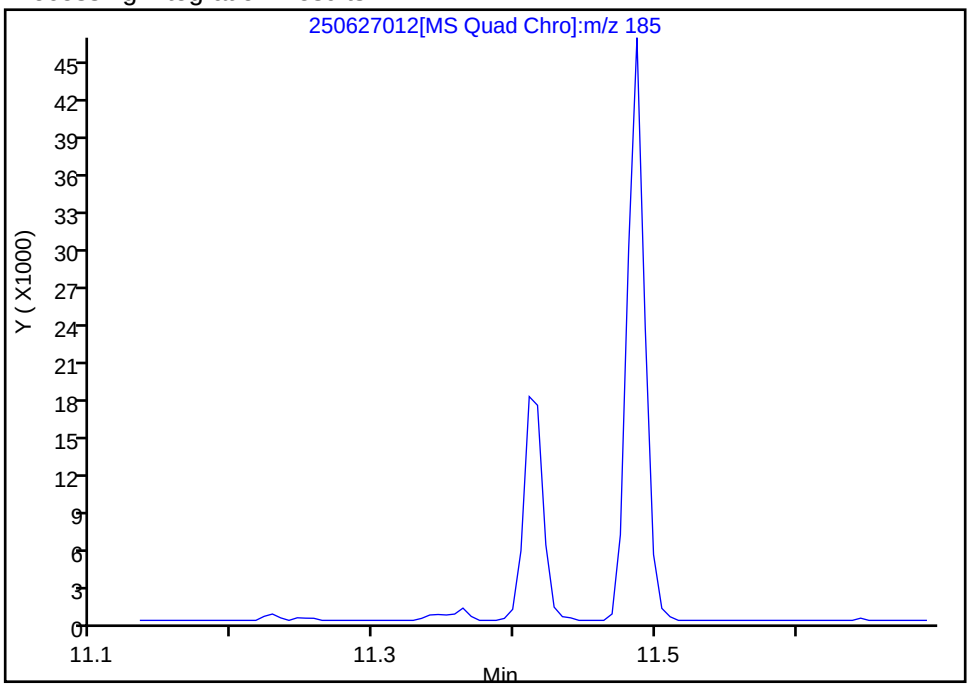
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627012.D				
Injection Date:	27-Jun-2025 11:46:07	Instrument ID:	A4AG3		
Lims ID:	std5 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

152 Aramite Peak 1, CAS: STL00690

Signal: 1

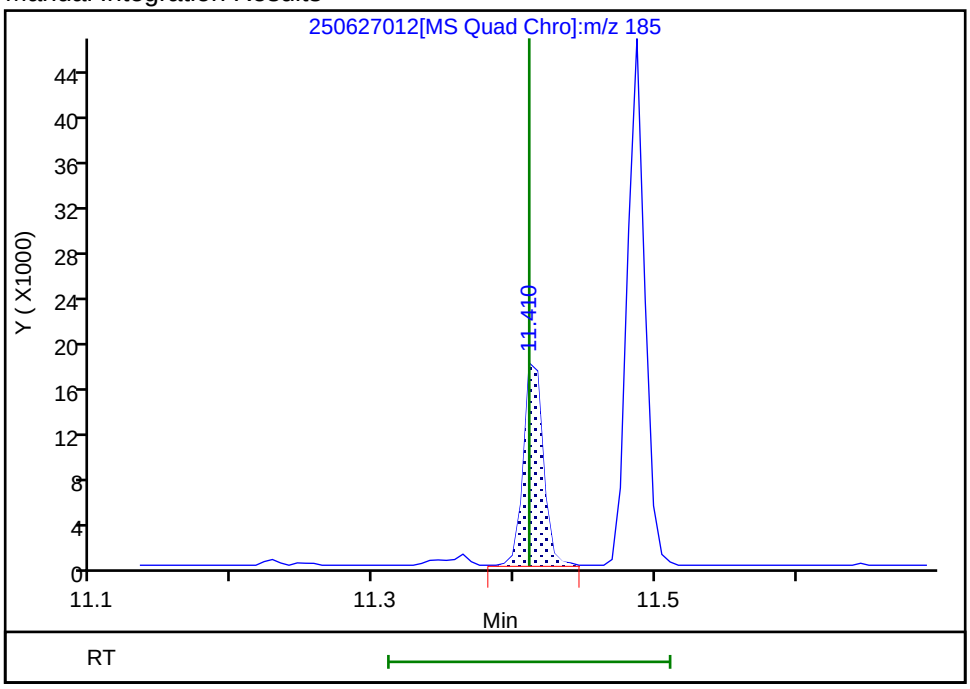
Not Detected
Expected RT: 11.41

Processing Integration Results



Manual Integration Results

RT: 11.41
Area: 17462
Amount: 216.2449
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:44:08 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

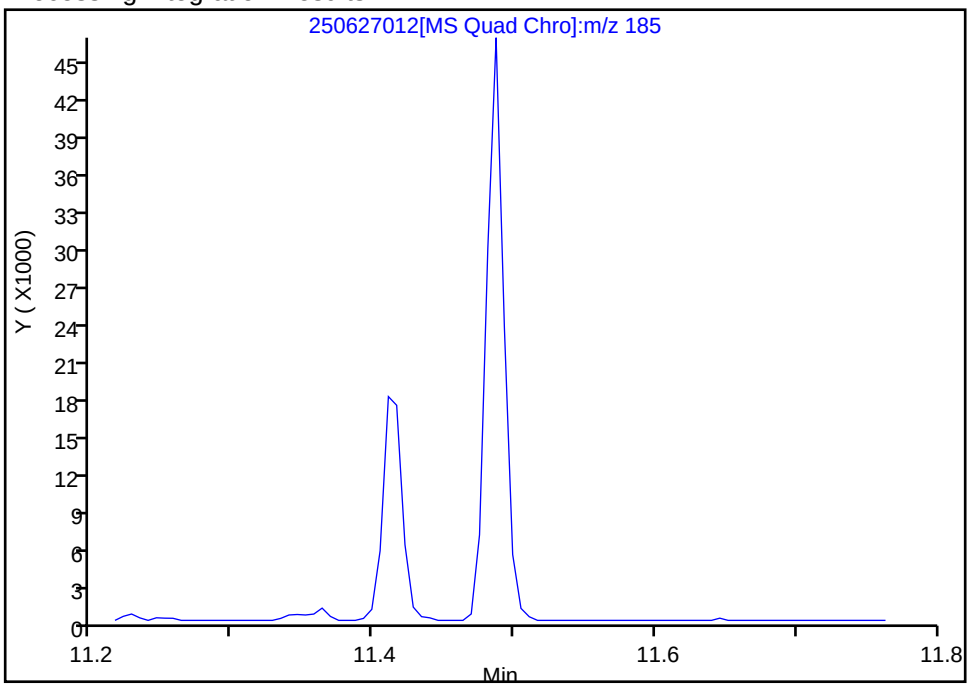
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627012.D				
Injection Date:	27-Jun-2025 11:46:07	Instrument ID:	A4AG3		
Lims ID:	std5 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

153 Aramite Peak 2, CAS: STL00691

Signal: 1

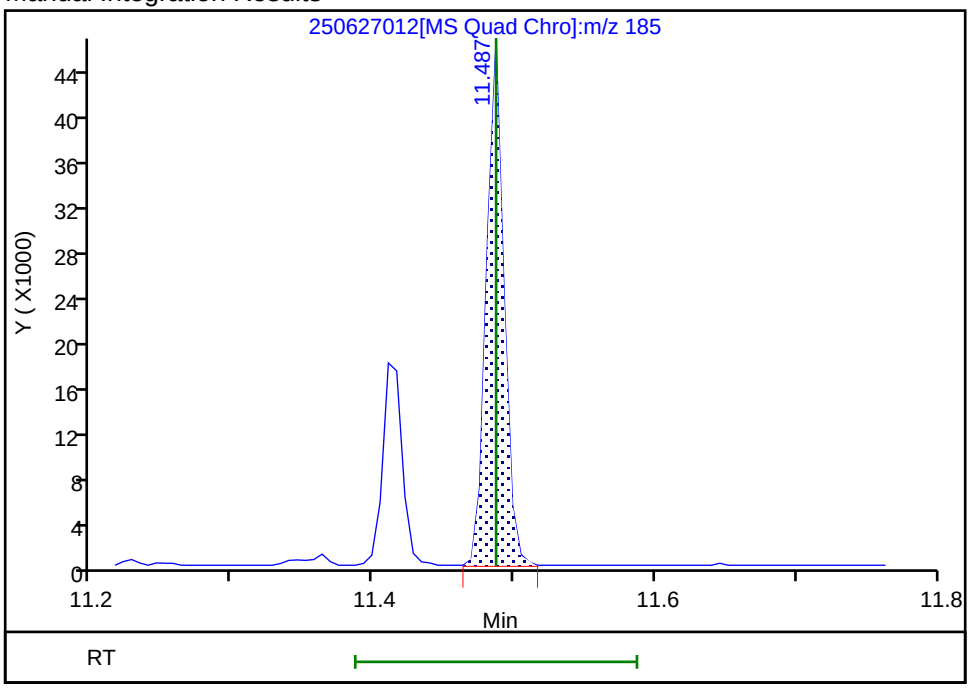
Not Detected
Expected RT: 11.49

Processing Integration Results



Manual Integration Results

RT: 11.49
Area: 40226
Amount: 237.3480
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:44:24 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D
Lims ID: std4 lst2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Jun-2025 12:08:41 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD4 LST2
Misc. Info.: 240-0156317-013
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 15:15:55 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 14:51:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.299	0.006	97	109057	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	432827	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	92	262992	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.105	-0.001	97	413026	400.0	400.0	
* 5 Chrysene-d12	240	12.740	12.734	0.006	98	286661	400.0	400.0	
* 6 Perylene-d12	264	14.881	14.875	0.006	96	277012	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	96	64041	200.0	182.6	
19 N-Nitrosomethylethylamine	88	4.764	4.764	0.000	96	34923	200.0	192.6	
22 Methyl methanesulfonate	80	5.017	5.017	-0.001	88	46719	200.0	193.1	
23 N-Nitrosodiethylamine	102	5.381	5.375	0.006	95	34310	200.0	190.2	
24 Ethyl methanesulfonate	79	5.611	5.611	0.000	98	56875	200.0	193.0	
28 Pentachloroethane	167	6.069	6.070	-0.001	94	23008	200.0	201.3	
43 N-Nitrosopyrrolidine	100	6.581	6.581	0.000	87	31324	200.0	178.7	
44 N-Nitrosomorpholine	56	6.611	6.611	0.000	94	47263	200.0	182.8	
47 2-Toluidine	106	6.652	6.652	0.000	97	105449	200.0	192.7	
52 N-Nitrosopiperidine	114	6.887	6.881	0.006	84	34008	200.0	188.4	
56 o,o',o''-Triethylphosphorothioat	198	7.093	7.093	0.000	92	30012	200.0	205.3	
59 alpha,alpha-Dimethyl phenethylam	58	7.293	7.211	0.082	96	62251	200.0	196.7	M
67 Hexachloropropene	213	7.469	7.469	0.000	93	33705	200.0	200.8	
69 Quinoline	129	7.658	7.658	0.000	97	145436	200.0	206.0	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	93	48025	200.0	195.9	
71 p-Phenylene diamine	108	7.699	7.693	0.006	97	49749	200.0	180.8	M
81 Safrole, Total	162	7.869	7.869	0.000	87	55240	200.0	206.0	
75 Isosafrole Peak 1	162	8.116	8.116	0.000	0	9164	32.0	29.7	
87 Isosafrole Peak 2	162	8.305	8.305	0.000	0	57691	168.0	170.5	
92 1,4-Naphthoquinone	158	8.510	8.505	0.005	84	42083	200.0	194.9	
93 1,4-Dinitrobenzene	168	8.534	8.534	0.000	91	15507	200.0	172.7	
103 Pentachlorobenzene	250	8.999	8.993	0.006	95	45303	200.0	201.1	
106 1-Naphthylamine	143	9.075	9.075	0.000	99	131214	200.0	201.8	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.081	0.000	86	16336	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.140	0.000	96	138983	200.0	195.5	
112 Thionazin	97	9.234	9.234	0.000	83	31144	200.0	183.5	
113 N-Nitro-o-toluidine	152	9.293	9.293	0.000	95	35834	200.0	183.1	
122 Sulfotepp	202	9.487	9.481	0.006	77	13558	200.0	196.1	
123 1,3,5-Trinitrobenzene	213	9.563	9.558	0.005	82	6721	200.0	190.2	
124 Phenacetin	108	9.610	9.610	0.000	86	66685	200.0	190.2	
125 Diallate Peak 1	86	9.616	9.616	0.000	0	56748	148.0	153.8	
126 Phorate	121	9.622	9.622	0.000	95	32205	200.0	208.8	
127 Diallate Peak 2	86	9.699	9.693	0.006	0	18021	52.0	47.8	
129 Dimethoate	87	9.763	9.763	0.000	95	53118	200.0	185.4	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	90	138765	200.0	195.2	
134 Pronamide	173	9.946	9.946	0.000	90	53550	200.0	188.9	
136 Pentachloronitrobenzene	237	9.957	9.958	-0.001	83	14327	200.0	199.2	
137 Disulfoton	88	10.057	10.058	-0.001	97	79504	200.0	201.7	
138 Dinoseb	211	10.069	10.063	0.006	91	15029	200.0	158.2	
143 Methyl parathion	109	10.381	10.381	0.000	89	37913	200.0	174.9	
145 Ethyl Parathion	97	10.699	10.699	0.000	82	21466	200.0	168.4	
146 4-Nitroquinoline-1-oxide	190	10.757	10.752	0.005	61	4151	200.0	190.5	
147 Methapyrilene	58	10.804	10.799	0.005	98	172389	400.0	360.1	
148 Isodrin	66	11.022	11.016	0.006	88	26250	200.0	203.9	
152 Aramite Peak 1	185	11.416	11.410	0.006	0	4857	96.0	78.3	
153 Aramite Peak 2	185	11.493	11.487	0.006	0	12525	104.0	91.2	
154 p-Dimethylamino azobenzene	225	11.616	11.610	0.006	92	28301	200.0	185.1	
155 Chlorobenzilate	139	11.651	11.646	0.005	79	65169	200.0	194.1	
156 Famphur	218	11.910	11.904	0.006	90	36245	200.0	248.7	
158 3,3'-Dimethylbenzidine	212	11.975	11.969	0.006	99	55407	200.0	186.2	
160 2-Acetylaminofluorene	181	12.275	12.269	0.006	94	43528	200.0	160.5	
161 4,4'-Methylene bis(2-chloroanil	231	12.640	12.634	0.006	93	20863	200.0	190.4	
166 6-Methylchrysene	242	13.398	13.393	0.005	99	233344	400.0	410.5	
168 7,12-Dimethylbenz(a)anthracene	256	14.263	14.257	0.006	94	62523	200.0	181.8	
172 3-Methylcholanthrene	268	15.339	15.334	0.005	94	133124	400.0	365.9	
174 Dibenz[a,h]acridine	279	16.198	16.192	0.006	92	84400	200.0	172.3	
S 199 Isosafrole	162				0		200.0	200.2	
S 200 Diallate	86				0		200.0	201.6	
S 201 Aramite, Total	185				0		200.0	169.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SMLIST2 L4 W_00037 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 15:15:55 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D

Injection Date: 27-Jun-2025 12:08:41 Instrument ID: A4AG3 Operator ID:

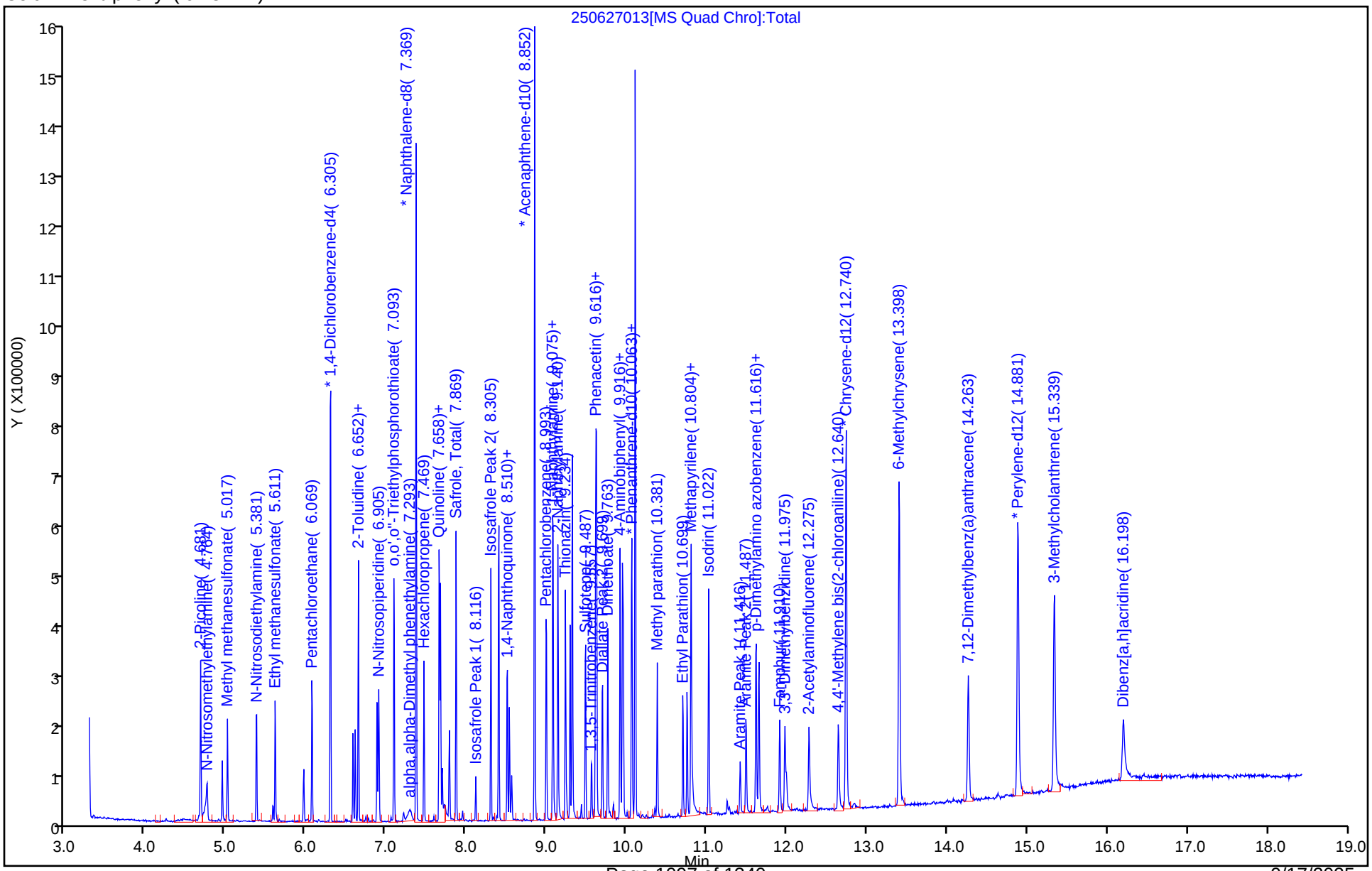
Lims ID: std4 lst2 Worklist Smp#: 13

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 13

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

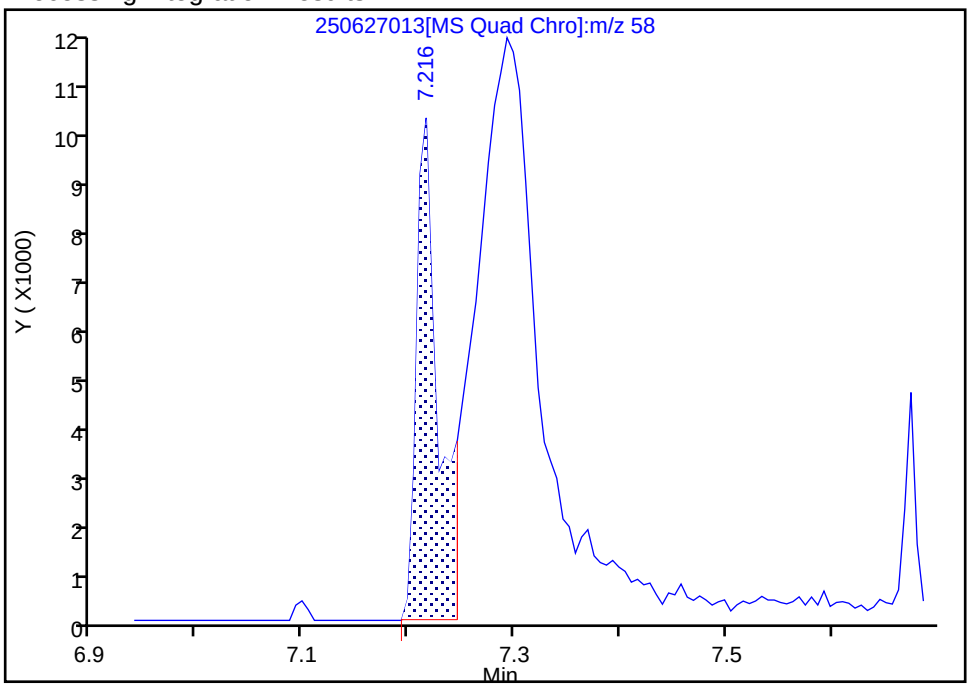
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Injection Date:	27-Jun-2025 12:08:41	Instrument ID:	A4AG3		
Lims ID:	std4 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

59 alpha,alpha-Dimethyl phenethylam, CAS: 122-09-8

Signal: 1

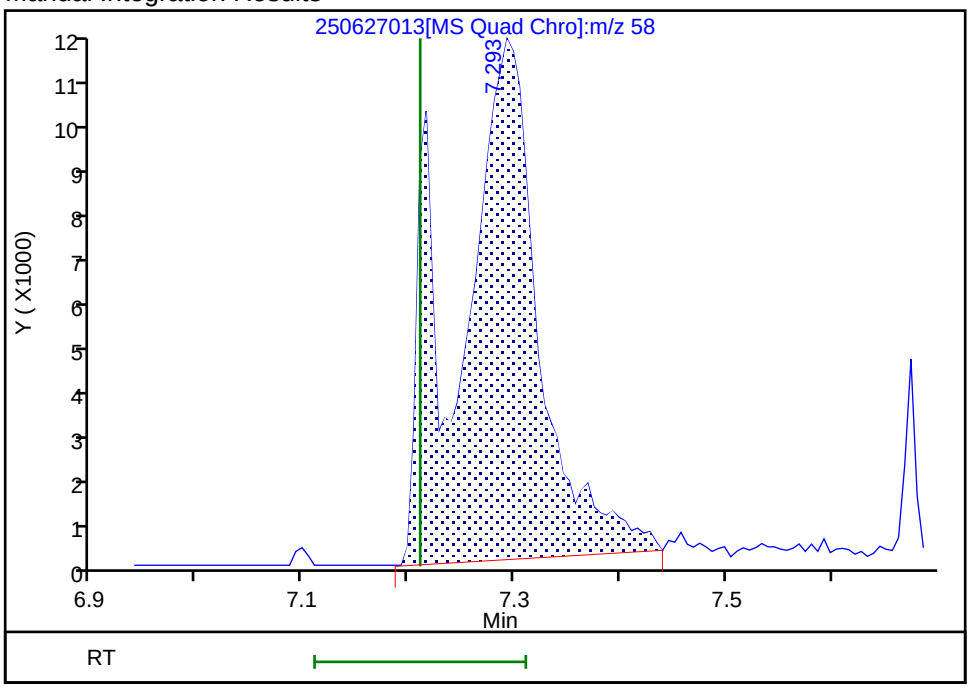
Processing Integration Results

RT: 7.22
Area: 15054
Amount: 34.106014
Amount Units: ng/ml



Manual Integration Results

RT: 7.29
Area: 62251
Amount: 196.6759
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:49:26 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

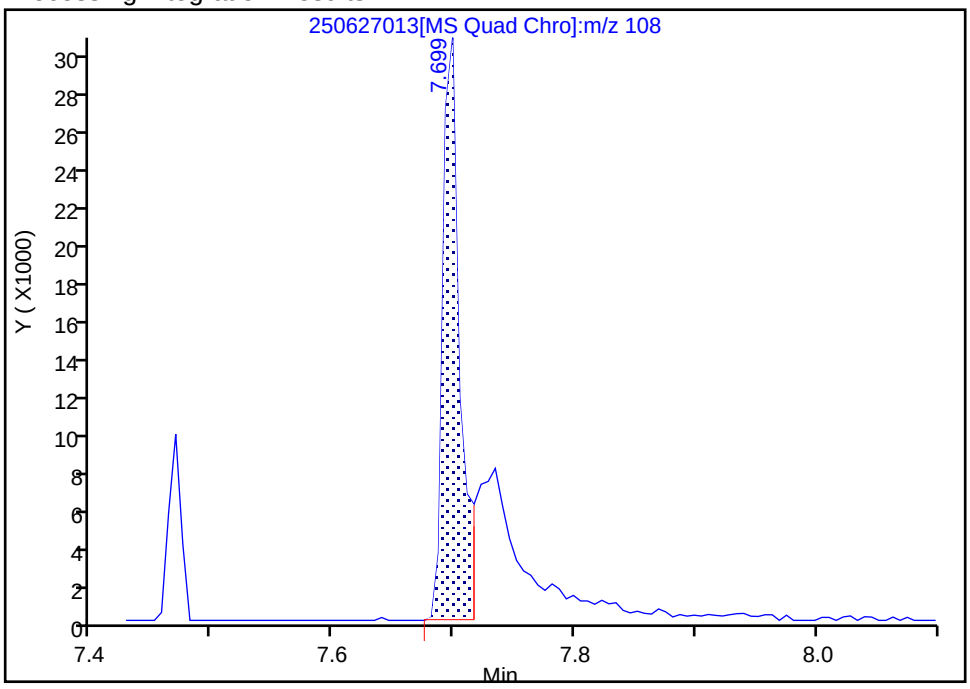
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627013.D				
Injection Date:	27-Jun-2025 12:08:41	Instrument ID:	A4AG3		
Lims ID:	std4 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

71 p-Phenylene diamine, CAS: 106-50-3

Signal: 1

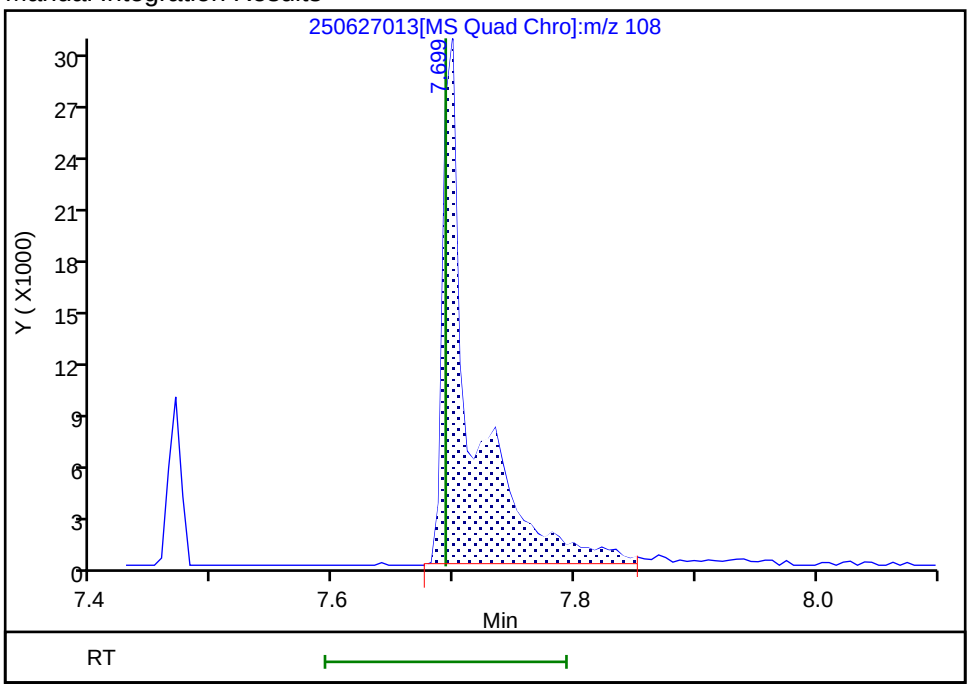
Processing Integration Results

RT: 7.70
Area: 29946
Amount: 184.5177
Amount Units: ng/ml



Manual Integration Results

RT: 7.70
Area: 49749
Amount: 180.8403
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:49:46 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627014.D
Lims ID: std3 lst2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Jun-2025 12:31:17 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD3 LST2
Misc. Info.: 240-0156317-014
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 15:15:59 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 14:52:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.299	6.299	0.000	97	108240	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	410985	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	92	257715	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.105	-0.001	98	399654	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	279050	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	254407	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	96	34349	100.0	98.7	
19 N-Nitrosomethylethylamine	88	4.764	4.764	0.000	94	16065	100.0	89.2	
22 Methyl methanesulfonate	80	5.016	5.017	-0.001	86	24316	100.0	101.3	
23 N-Nitrosodiethylamine	102	5.381	5.375	0.006	93	16266	100.0	90.8	
24 Ethyl methanesulfonate	79	5.611	5.611	0.000	99	27668	100.0	94.6	
28 Pentachloroethane	167	6.069	6.070	-0.001	94	11599	100.0	102.2	
43 N-Nitrosopyrrolidine	100	6.581	6.581	0.000	86	13561	100.0	96.2	
44 N-Nitrosomorpholine	56	6.610	6.611	-0.001	94	21697	100.0	96.2	
47 2-Toluidine	106	6.652	6.652	0.000	98	47501	100.0	99.8	
52 N-Nitrosopiperidine	114	6.887	6.881	0.006	82	15339	100.0	89.5	
56 o,o',o''-Triethylphosphorothioat	198	7.093	7.093	0.000	89	14909	100.0	107.4	
59 alpha,alpha-Dimethyl phenethylam	58	7.281	7.211	0.070	96	31674	100.0	144.1	M
67 Hexachloropropene	213	7.469	7.469	0.000	95	15913	100.0	99.8	
69 Quinoline	129	7.657	7.658	-0.001	97	68771	100.0	102.6	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	94	22414	100.0	96.3	
71 p-Phenylene diamine	108	7.728	7.693	0.035	0	15479	100.0	86.5	M
81 Safrole, Total	162	7.869	7.869	0.000	87	25877	100.0	101.6	
75 Isosafrole Peak 1	162	8.116	8.116	0.000	0	4409	16.0	14.6	
87 Isosafrole Peak 2	162	8.305	8.305	0.000	0	25937	84.0	78.2	
92 1,4-Naphthoquinone	158	8.505	8.505	-0.001	83	20161	100.0	95.3	
93 1,4-Dinitrobenzene	168	8.534	8.534	0.000	89	6125	100.0	96.2	
103 Pentachlorobenzene	250	8.993	8.993	0.000	95	22955	100.0	104.0	
106 1-Naphthylamine	143	9.075	9.075	0.000	99	58475	100.0	91.8	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.081	0.000	91	8013	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.140	0.000	97	62445	100.0	101.7	
112 Thionazin	97	9.234	9.234	0.000	81	13846	100.0	96.9	
113 N-Nitro-o-toluidine	152	9.293	9.293	0.000	91	13729	100.0	94.9	
122 Sulfotepp	202	9.481	9.481	0.000	77	5664	100.0	99.0	
123 1,3,5-Trinitrobenzene	213	9.557	9.558	-0.001	81	2261	100.0	109.4	
124 Phenacetin	108	9.610	9.610	0.000	91	29013	100.0	96.4	
125 Diallate Peak 1	86	9.616	9.616	0.000	0	28605	74.0	80.1	
126 Phorate	121	9.622	9.622	0.000	96	13909	100.0	93.2	
127 Diallate Peak 2	86	9.693	9.693	0.000	0	8797	26.0	24.1	
129 Dimethoate	87	9.763	9.763	0.000	96	22907	100.0	98.5	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	90	55949	100.0	96.0	
134 Pronamide	173	9.946	9.946	0.000	90	22521	100.0	96.5	
136 Pentachloronitrobenzene	237	9.957	9.958	-0.001	81	6108	100.0	96.9	
137 Disulfoton	88	10.057	10.058	-0.001	98	33352	100.0	97.2	
138 Dinoseb	211	10.063	10.063	0.000	82	4816	100.0	91.5	
143 Methyl parathion	109	10.381	10.381	0.000	89	13647	100.0	92.3	
145 Ethyl Parathion	97	10.699	10.699	-0.001	79	7749	100.0	93.3	
146 4-Nitroquinoline-1-oxide	190	10.751	10.752	-0.001	61	1545	100.0	129.1	
147 Methapyrilene	58	10.799	10.799	-0.001	98	46567	200.0	169.2	
148 Isodrin	66	11.022	11.016	0.006	90	12941	100.0	103.9	
152 Aramite Peak 1	185	11.416	11.410	0.006	0	1837	48.0	45.2	
153 Aramite Peak 2	185	11.487	11.487	0.000	0	4627	52.0	49.4	
154 p-Dimethylamino azobenzene	225	11.610	11.610	0.000	92	10636	100.0	95.3	
155 Chlorobenzilate	139	11.646	11.646	0.000	78	27028	100.0	96.5	
156 Famphur	218	11.904	11.904	0.000	93	14267	100.0	100.6	
158 3,3'-Dimethylbenzidine	212	11.969	11.969	0.000	98	15333	100.0	114.3	
160 2-Acetylaminofluorene	181	12.269	12.269	0.000	95	14556	100.0	92.3	
161 4,4'-Methylene bis(2-chloroanil	231	12.634	12.634	0.000	91	6889	100.0	111.2	
166 6-Methylchrysene	242	13.392	13.393	-0.001	99	105965	200.0	191.5	
168 7,12-Dimethylbenz(a)anthracene	256	14.257	14.257	0.000	92	27299	100.0	100.7	
172 3-Methylcholanthrene	268	15.328	15.334	-0.006	94	52990	200.0	195.2	
174 Dibenz[a,h]acridine	279	16.186	16.192	-0.006	92	31987	100.0	96.6	
S 199 Isosafrole	162				0		100.0	92.8	
S 200 Diallate	86				0		100.0	104.2	
S 201 Aramite, Total	185				0		100.0	94.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SMLIST2 L3 W_00036 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 15:15:59 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627014.D

Injection Date: 27-Jun-2025 12:31:17 Instrument ID: A4AG3 Operator ID:

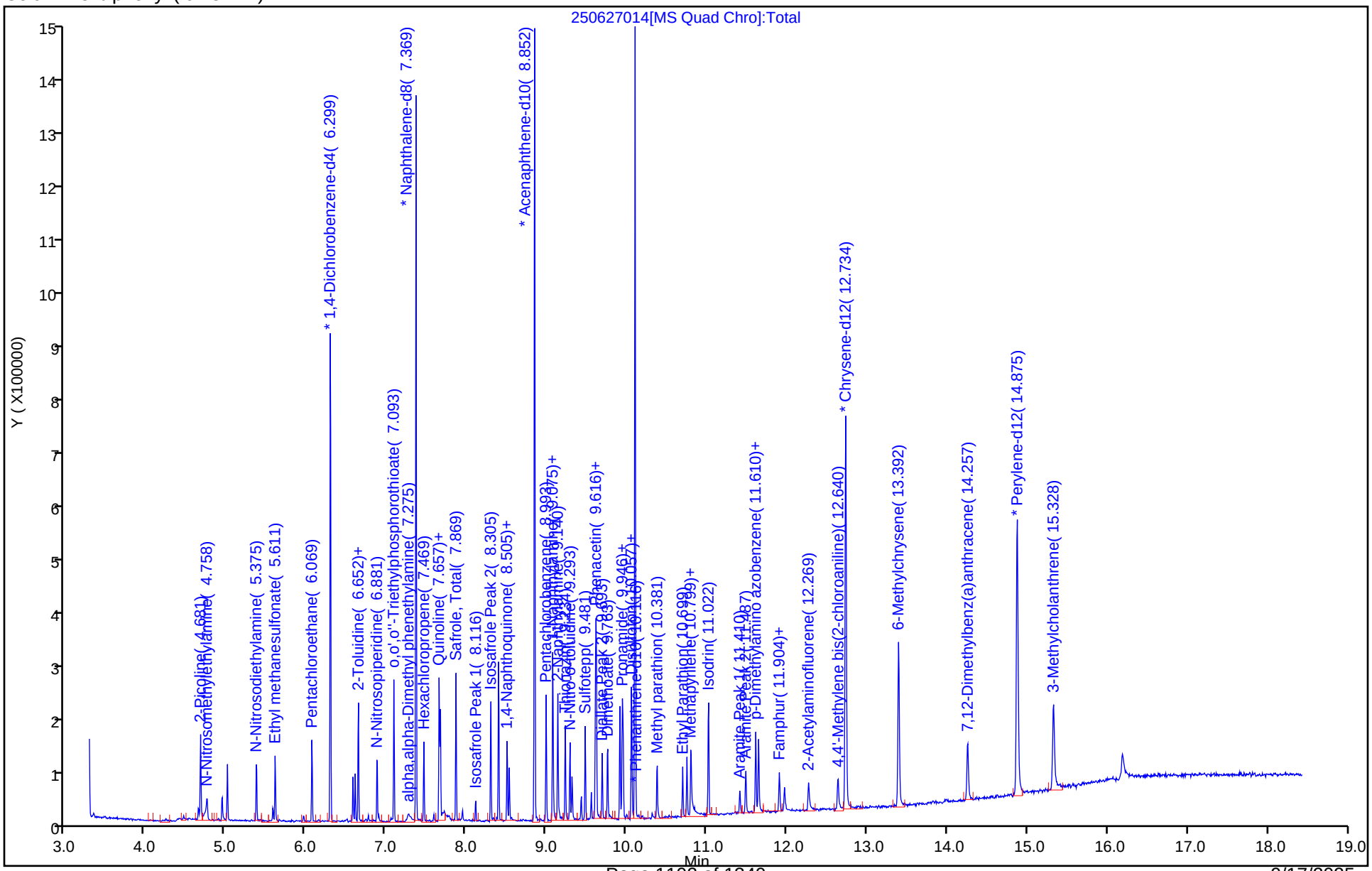
Lims ID: std3 lst2 Worklist Smp#: 14

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 14

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

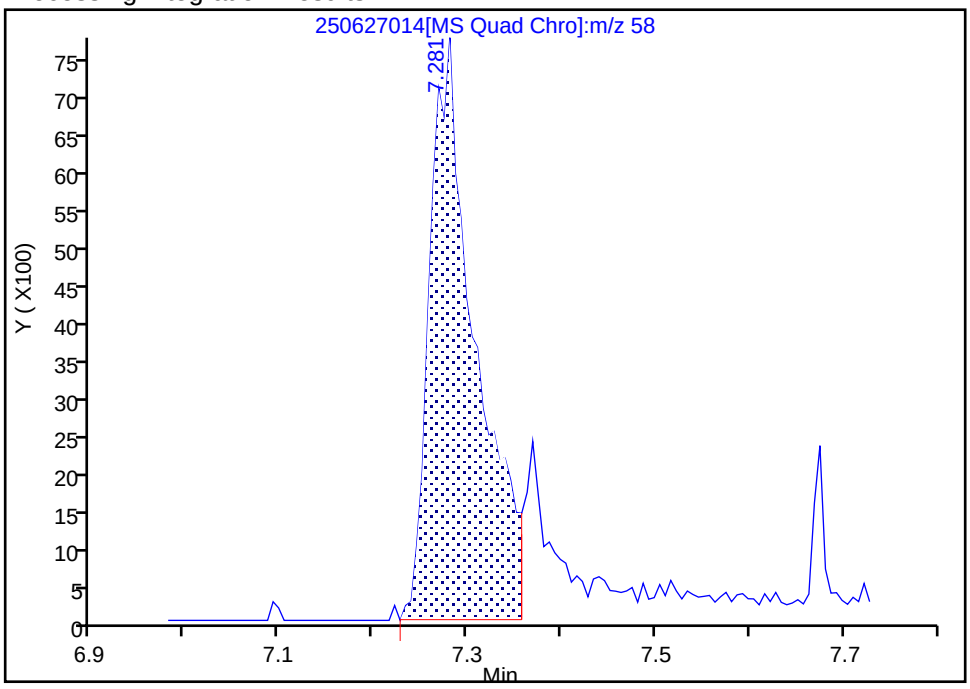
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627014.D				
Injection Date:	27-Jun-2025 12:31:17	Instrument ID:	A4AG3		
Lims ID:	std3 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

59 alpha,alpha-Dimethyl phenethylam, CAS: 122-09-8

Signal: 1

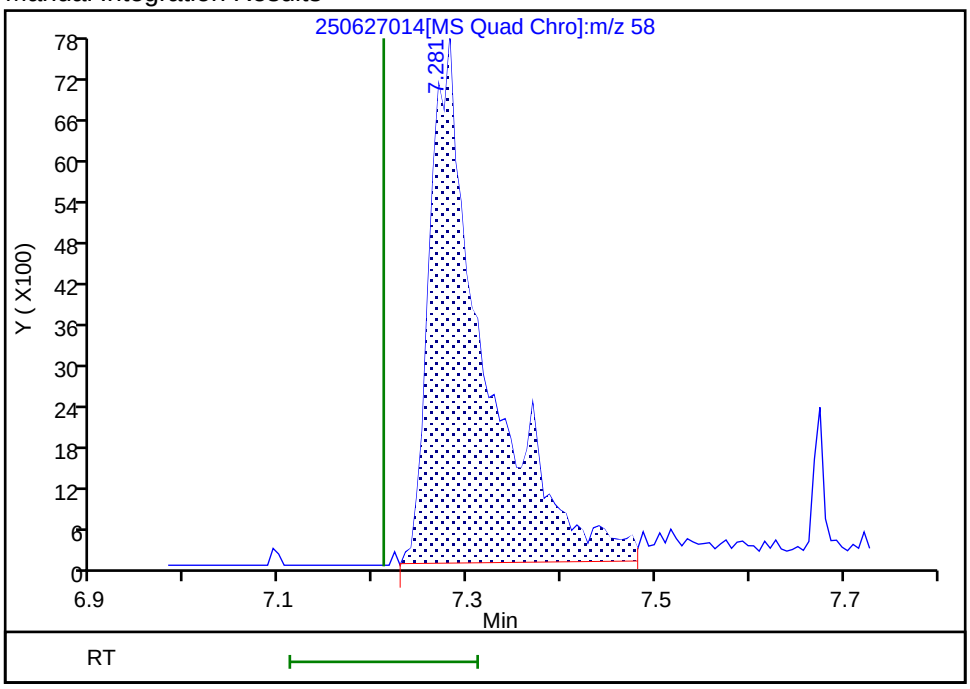
Processing Integration Results

RT: 7.28
Area: 26425
Amount: 99.597271
Amount Units: ng/ml



Manual Integration Results

RT: 7.28
Area: 31674
Amount: 144.0617
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:52:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

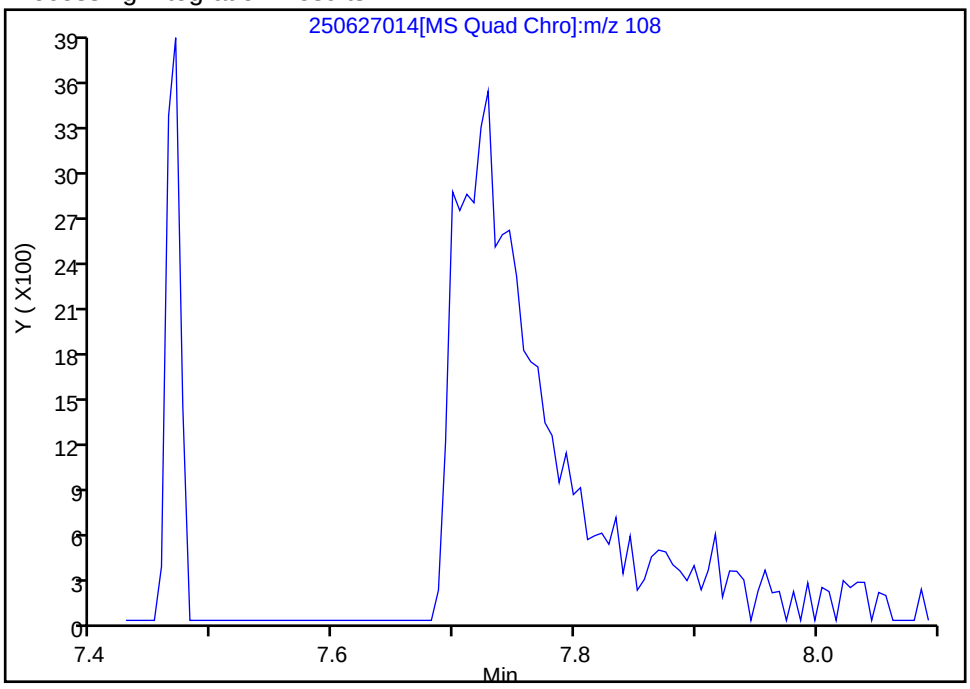
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Injection Date:	27-Jun-2025 12:31:17	Instrument ID:	A4AG3		
Lims ID:	std3 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

71 p-Phenylene diamine, CAS: 106-50-3

Signal: 1

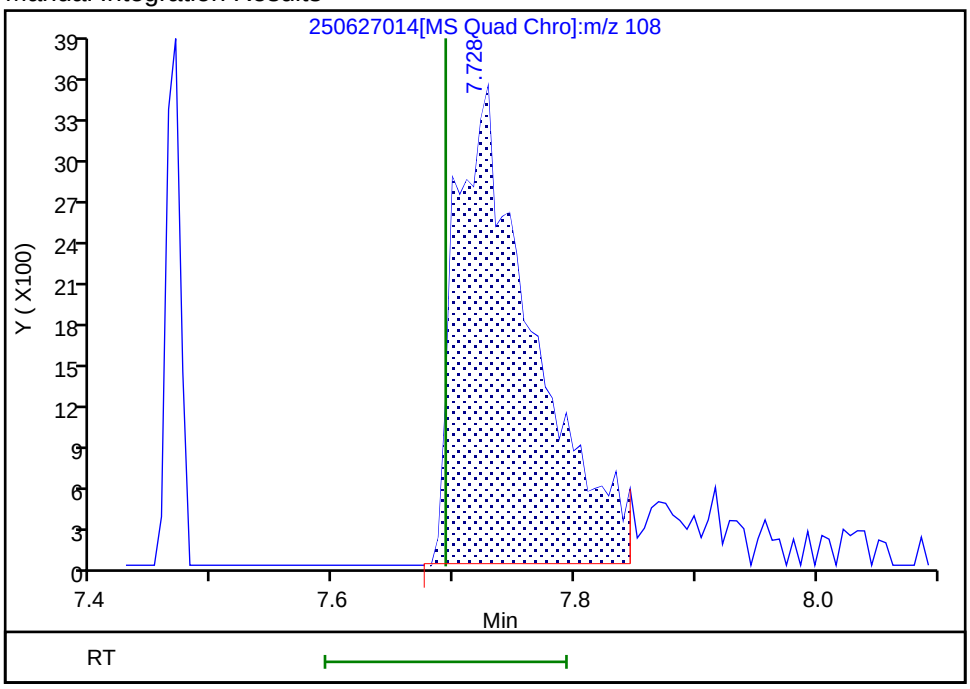
Not Detected
Expected RT: 7.69

Processing Integration Results



Manual Integration Results

RT: 7.73
Area: 15479
Amount: 86.457857
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:52:31 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627015.D
Lims ID: std2 lst2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Jun-2025 12:53:57 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD2 LST2
Misc. Info.: 240-0156317-015
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 15:16:02 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 14:55:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.299	6.299	0.000	98	102925	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	356466	400.0	400.0	
* 3 Acenaphthene-d10	164	8.846	8.852	-0.006	91	238700	400.0	400.0	
* 4 Phenanthrene-d10	188	10.098	10.105	-0.007	98	374689	400.0	400.0	
* 5 Chrysene-d12	240	12.728	12.734	-0.006	98	255462	400.0	400.0	
* 6 Perylene-d12	264	14.869	14.875	-0.006	96	234928	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	96	14930	50.0	45.1	
19 N-Nitrosomethylethylamine	88	4.763	4.764	-0.001	91	8715	50.0	50.9	
22 Methyl methanesulfonate	80	5.016	5.017	-0.001	88	11296	50.0	49.5	
23 N-Nitrosodiethylamine	102	5.381	5.375	0.006	93	6992	50.0	41.1	
24 Ethyl methanesulfonate	79	5.610	5.611	-0.001	96	12431	50.0	44.7	
28 Pentachloroethane	167	6.069	6.070	-0.001	92	4860	50.0	45.1	
43 N-Nitrosopyrrolidine	100	6.581	6.581	0.000	82	4941	50.0	56.8	
44 N-Nitrosomorpholine	56	6.610	6.611	-0.001	92	8985	50.0	54.1	
47 2-Toluidine	106	6.652	6.652	0.000	96	17465	50.0	52.4	
52 N-Nitrosopiperidine	114	6.881	6.881	0.000	82	6168	50.0	41.5	
56 o,o',o''-Triethylphosphorothioat	198	7.093	7.093	0.000	92	5592	50.0	46.4	
59 alpha,alpha-Dimethyl phenethylam	58	7.281	7.211	0.070	97	15434	50.0	117.0	M
67 Hexachloropropene	213	7.469	7.469	0.000	93	6536	50.0	47.3	
69 Quinoline	129	7.657	7.658	-0.001	96	23006	50.0	39.6	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	92	8703	50.0	43.1	
71 p-Phenylene diamine	108	7.734	7.693	0.041	0	5665	50.0	59.9	M
81 Safrole, Total	162	7.869	7.869	0.000	90	10636	50.0	48.1	
75 Isosafrole Peak 1	162	8.116	8.116	0.000	0	1871	8.00	6.68	
87 Isosafrole Peak 2	162	8.304	8.305	-0.001	0	10983	42.0	35.8	
92 1,4-Naphthoquinone	158	8.504	8.505	-0.001	81	7252	50.0	37.0	
93 1,4-Dinitrobenzene	168	8.534	8.534	0.000	92	2094	50.0	63.6	
103 Pentachlorobenzene	250	8.993	8.993	0.000	95	10094	50.0	49.4	
106 1-Naphthylamine	143	9.075	9.075	0.000	99	20132	50.0	34.1	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.081	0.000	81	2999	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.140	0.000	97	18696	50.0	48.0	
112 Thionazin	97	9.228	9.234	-0.006	78	5256	50.0	54.5	
113 N-Nitro-o-toluidine	152	9.293	9.293	0.000	89	4086	50.0	56.5	
122 Sulfotepp	202	9.481	9.481	0.000	75	1848	50.0	50.8	
123 1,3,5-Trinitrobenzene	213	9.557	9.558	-0.001	50	557	50.0	76.9	
124 Phenacetin	108	9.604	9.610	-0.006	91	10145	50.0	48.4	
125 Diallate Peak 1	86	9.610	9.616	-0.006	0	11604	37.0	34.7	
126 Phorate	121	9.622	9.622	0.000	95	4796	50.0	34.3	
127 Diallate Peak 2	86	9.693	9.693	0.000	0	4173	13.0	12.2	
129 Dimethoate	87	9.757	9.763	-0.006	90	7242	50.0	52.2	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	89	19679	50.0	51.7	
134 Pronamide	173	9.940	9.946	-0.006	90	7810	50.0	51.7	
136 Pentachloronitrobenzene	237	9.951	9.958	-0.007	78	2230	50.0	47.7	
137 Disulfoton	88	10.057	10.058	-0.001	98	12029	50.0	48.0	
138 Dinoseb	211	10.063	10.063	0.000	81	1440	50.0	69.0	
143 Methyl parathion	109	10.375	10.381	-0.006	88	4547	50.0	60.8	
145 Ethyl Parathion	97	10.693	10.699	-0.006	76	2508	50.0	64.0	
146 4-Nitroquinoline-1-oxide	190	10.745	10.752	-0.007	64	713	50.0	108.5	
147 Methapyrilene	58	10.798	10.799	-0.001	98	14123	100.0	119.2	M
148 Isodrin	66	11.016	11.016	0.000	87	5904	50.0	50.6	
152 Aramite Peak 1	185	11.410	11.410	0.000	0	669	24.0	32.5	
153 Aramite Peak 2	185	11.481	11.487	-0.006	0	1506	26.0	32.9	
154 p-Dimethylamino azobenzene	225	11.610	11.610	0.000	90	3065	50.0	56.6	
155 Chlorobenzilate	139	11.645	11.646	-0.001	77	9581	50.0	52.1	
156 Famphur	218	11.904	11.904	0.000	92	4470	50.0	34.4	
158 3,3'-Dimethylbenzidine	212		11.969				ND	ND	U
160 2-Acetylaminofluorene	181	12.269	12.269	0.000	94	4865	50.0	69.6	
161 4,4'-Methylene bis(2-chloroanil	231		12.634				ND	ND	U
166 6-Methylchrysene	242	13.392	13.393	-0.001	99	43036	100.0	85.0	
168 7,12-Dimethylbenz(a)anthracene	256	14.257	14.257	0.000	87	9012	50.0	53.5	
172 3-Methylcholanthrene	268	15.328	15.334	-0.006	95	17938	100.0	112.6	
174 Dibenz[a,h]acridine	279	16.186	16.192	-0.006	90	10942	50.0	63.1	M
S 199 Isosafrole	162				0		50.0	42.4	
S 200 Diallate	86				0		50.0	46.9	
S 201 Aramite, Total	185				0		50.0	65.5	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

SMLIST2 L2 W_00037 Amount Added: 0.10 Units: mL

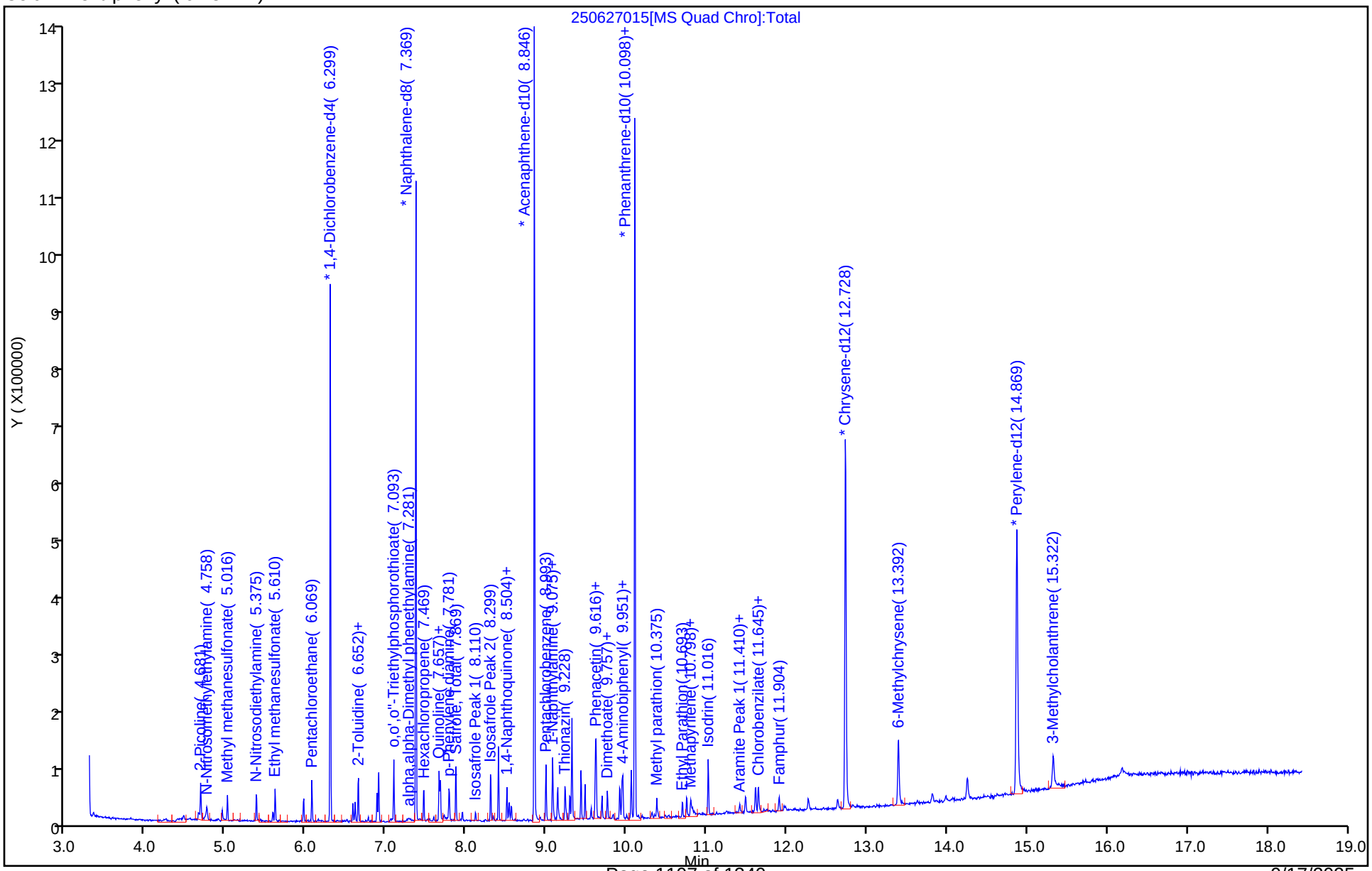
Report Date: 27-Jun-2025 15:16:03 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627015.D

Injection Date:	27-Jun-2025 12:53:57	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	std2 lst2			Worklist Smp#:	15
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

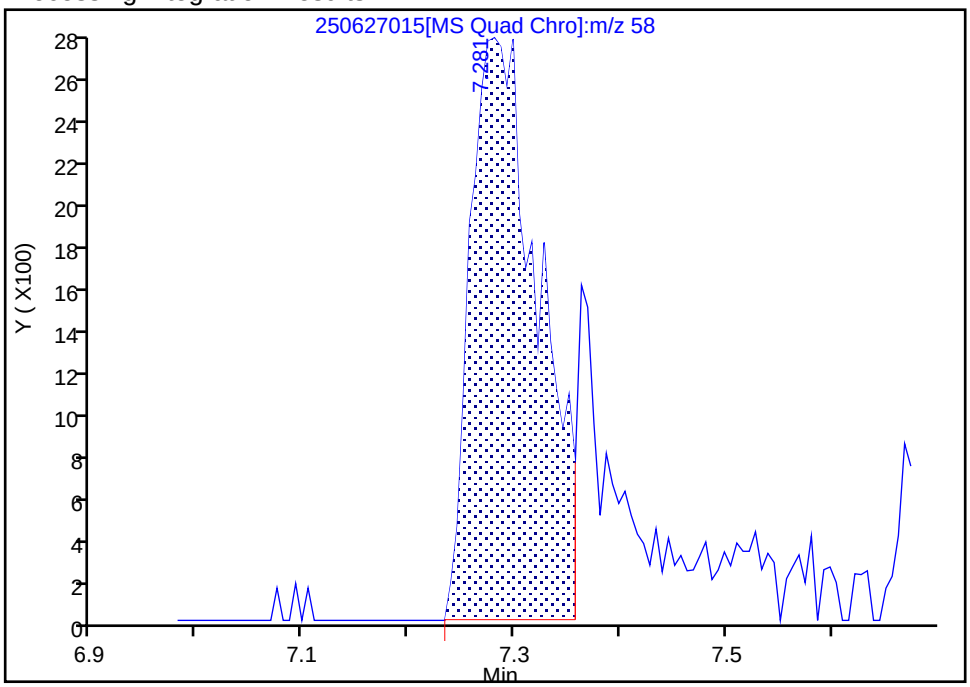
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Injection Date:	27-Jun-2025 12:53:57	Instrument ID:	A4AG3		
Lims ID:	std2 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

59 alpha,alpha-Dimethyl phenethylam, CAS: 122-09-8

Signal: 1

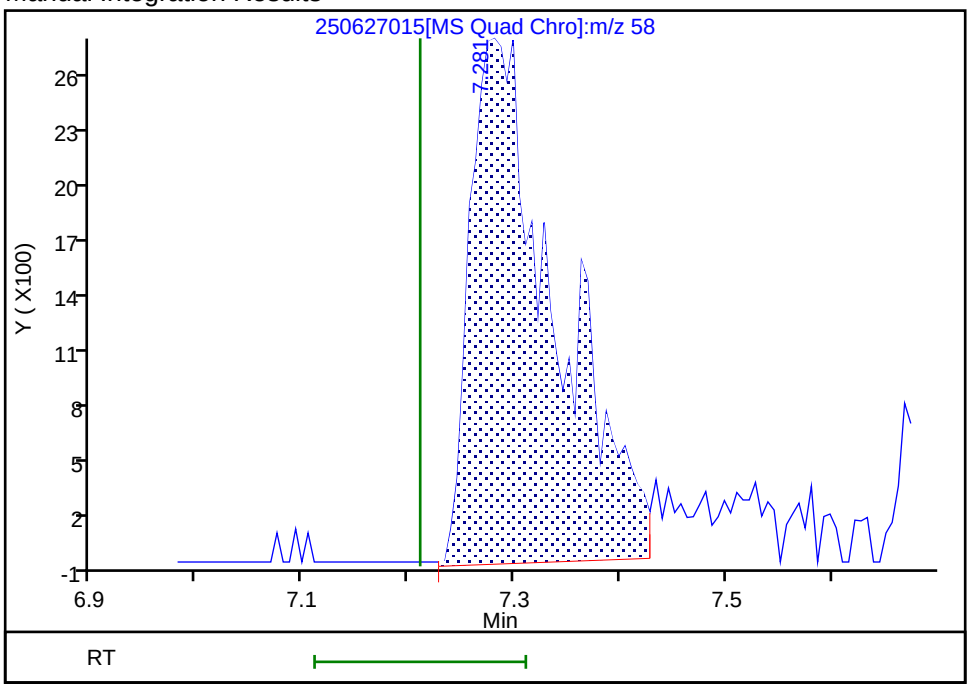
Processing Integration Results

RT: 7.28
Area: 12390
Amount: 62.876987
Amount Units: ng/ml



Manual Integration Results

RT: 7.28
Area: 15434
Amount: 116.9580
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:53:31 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

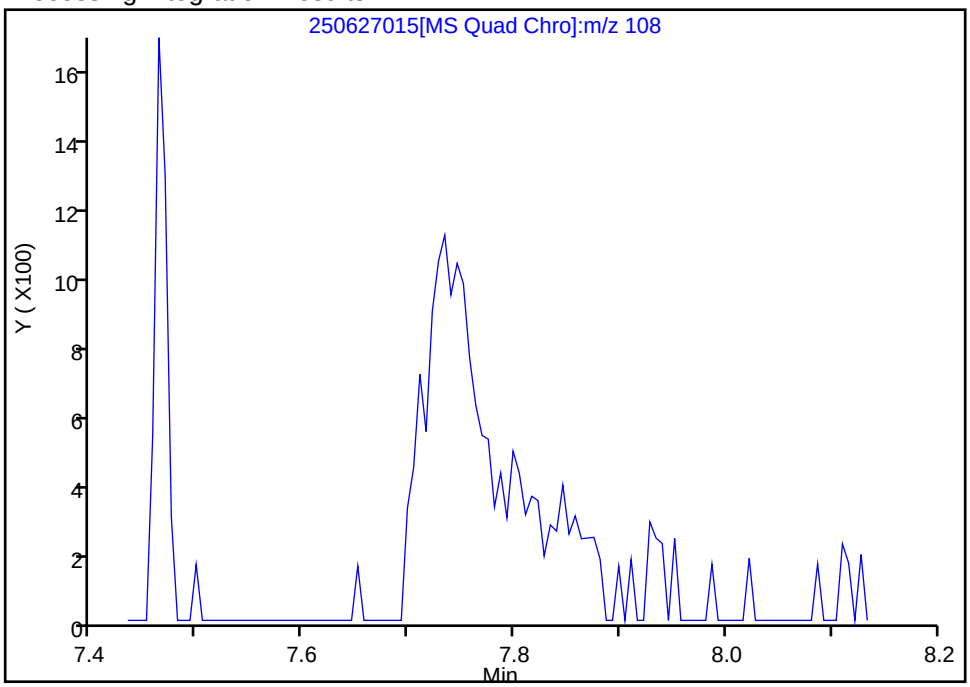
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Injection Date:	27-Jun-2025 12:53:57	Instrument ID:	A4AG3		
Lims ID:	std2 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

71 p-Phenylene diamine, CAS: 106-50-3

Signal: 1

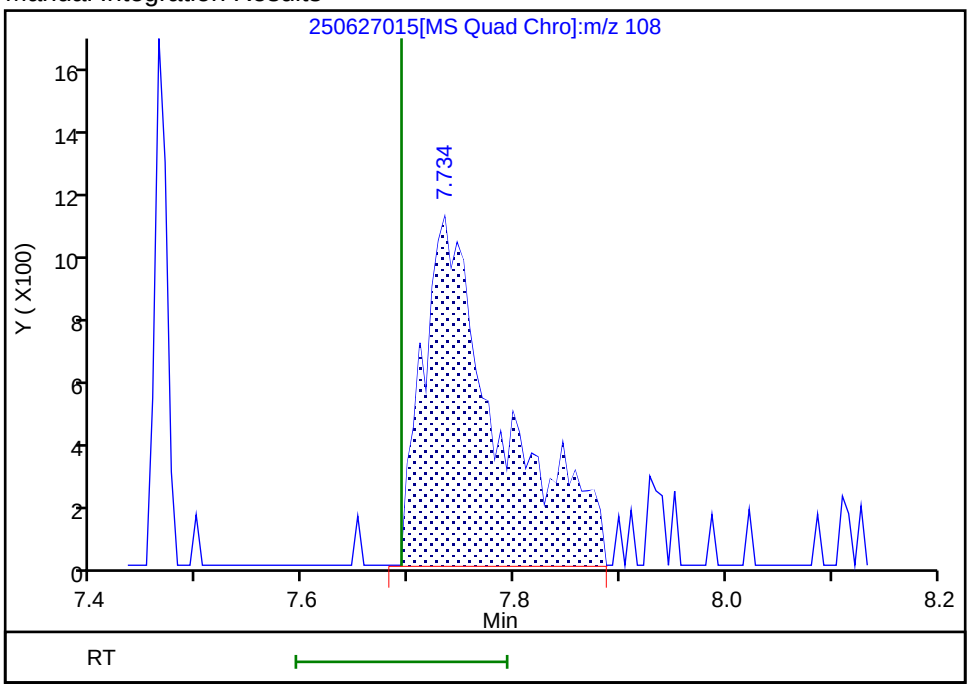
Not Detected
Expected RT: 7.69

Processing Integration Results



Manual Integration Results

RT: 7.73
Area: 5665
Amount: 59.867564
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:53:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

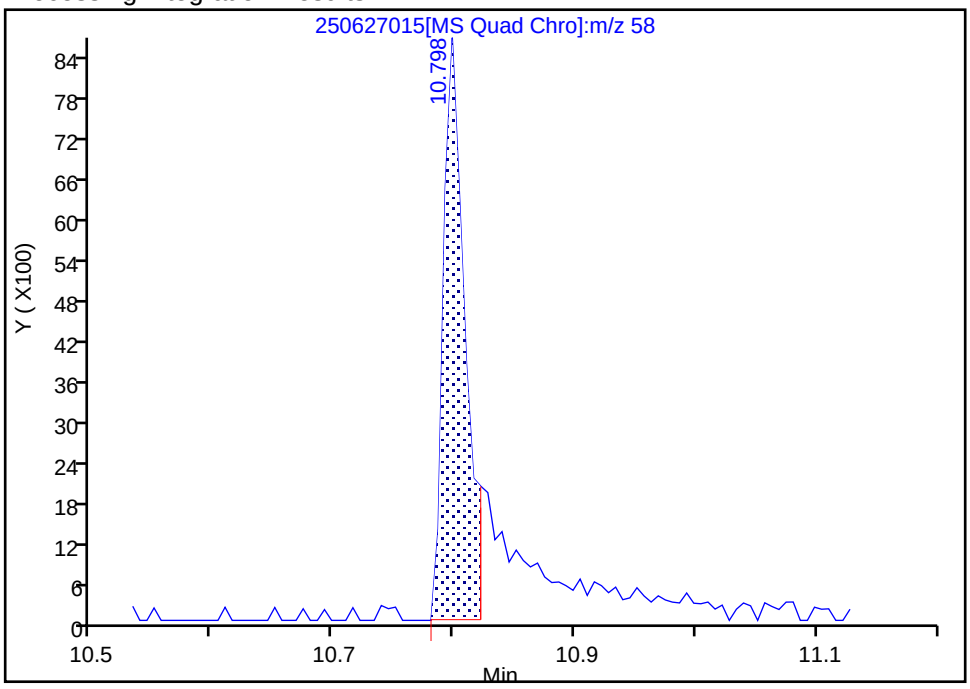
Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627015.D
Injection Date: 27-Jun-2025 12:53:57 Instrument ID: A4AG3
Lims ID: std2 lst2
Client ID:
Operator ID: ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Column: 5% phenyl (0.18 mm) Detector MS SCAN

147 Methapyrilene, CAS: 91-80-5

Signal: 1

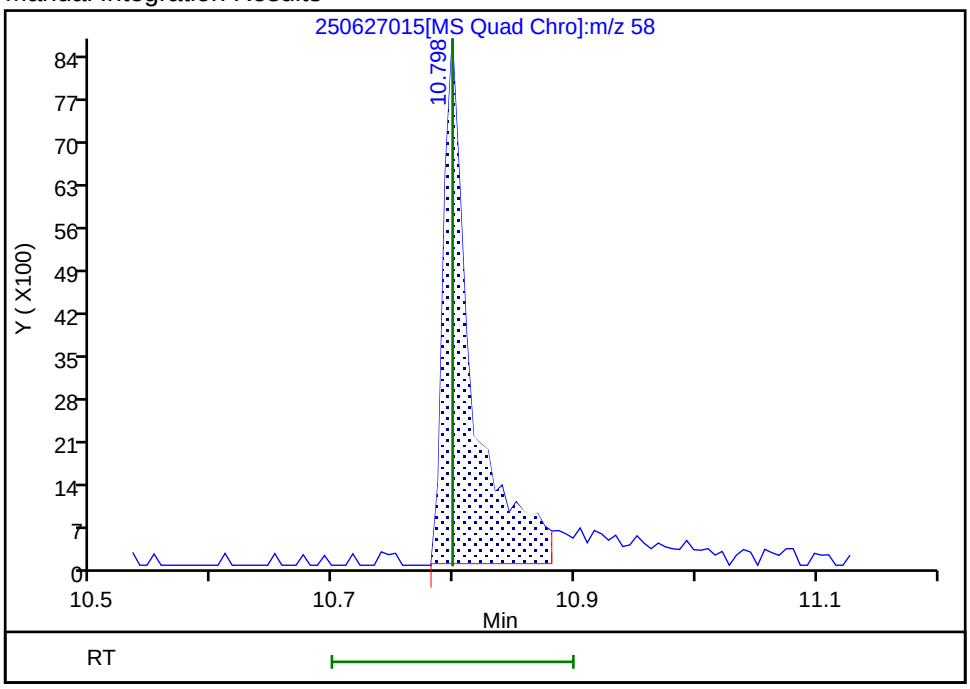
Processing Integration Results

RT: 10.80
Area: 10797
Amount: 118.8027
Amount Units: ng/ml



Manual Integration Results

RT: 10.80
Area: 14123
Amount: 119.2005
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:54:26 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Cleveland

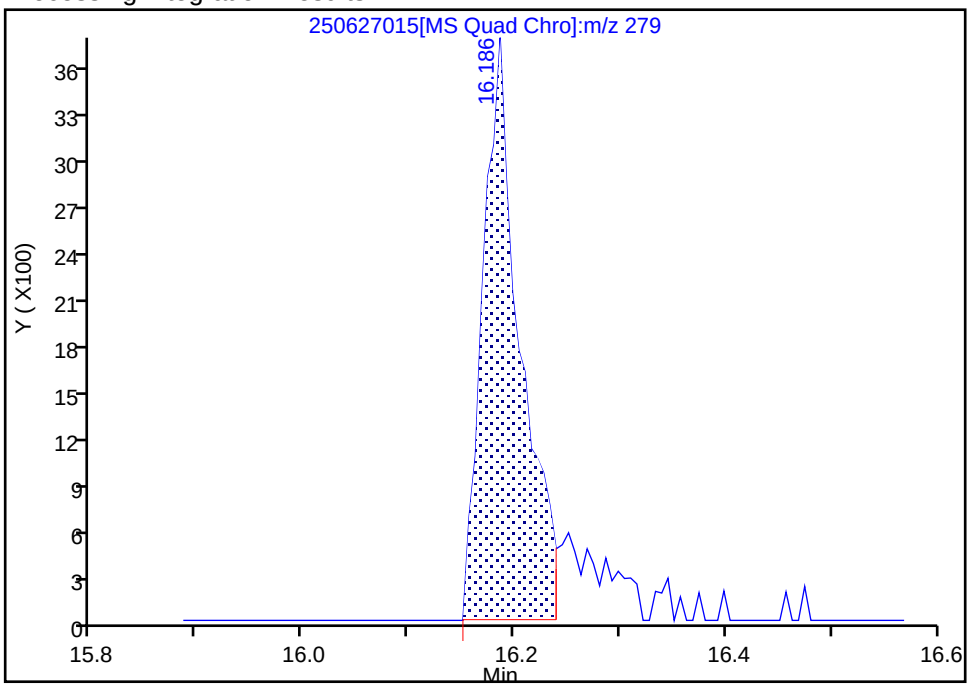
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627015.D				
Injection Date:	27-Jun-2025 12:53:57	Instrument ID:	A4AG3		
Lims ID:	std2 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

174 Dibenz[a,h]acridine, CAS: 226-36-8

Signal: 1

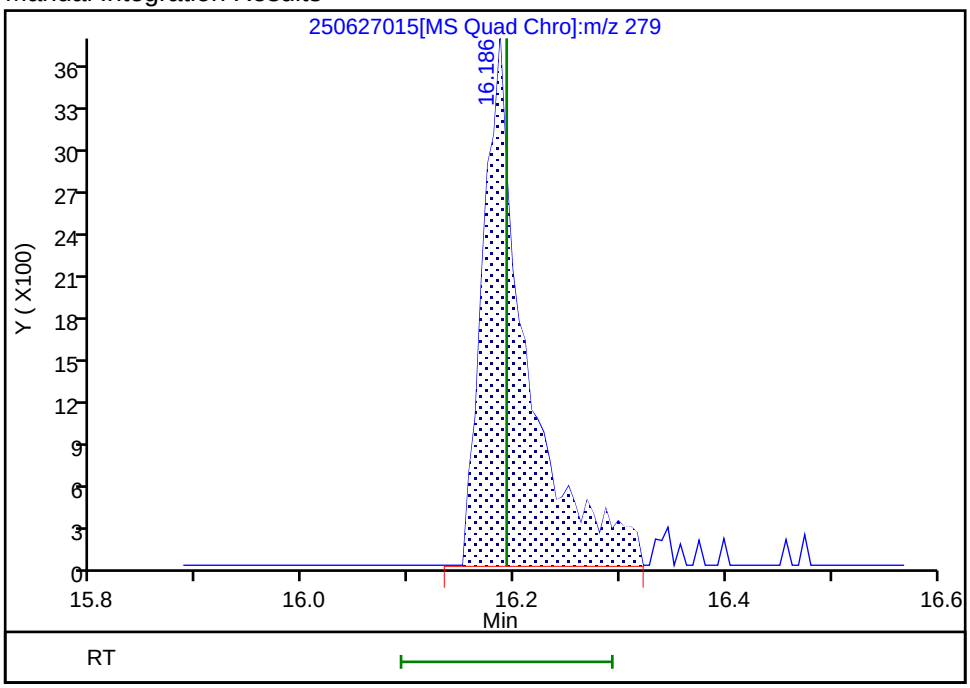
Processing Integration Results

RT: 16.19
Area: 9304
Amount: 60.651843
Amount Units: ng/ml



Manual Integration Results

RT: 16.19
Area: 10942
Amount: 63.133103
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:55:17 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

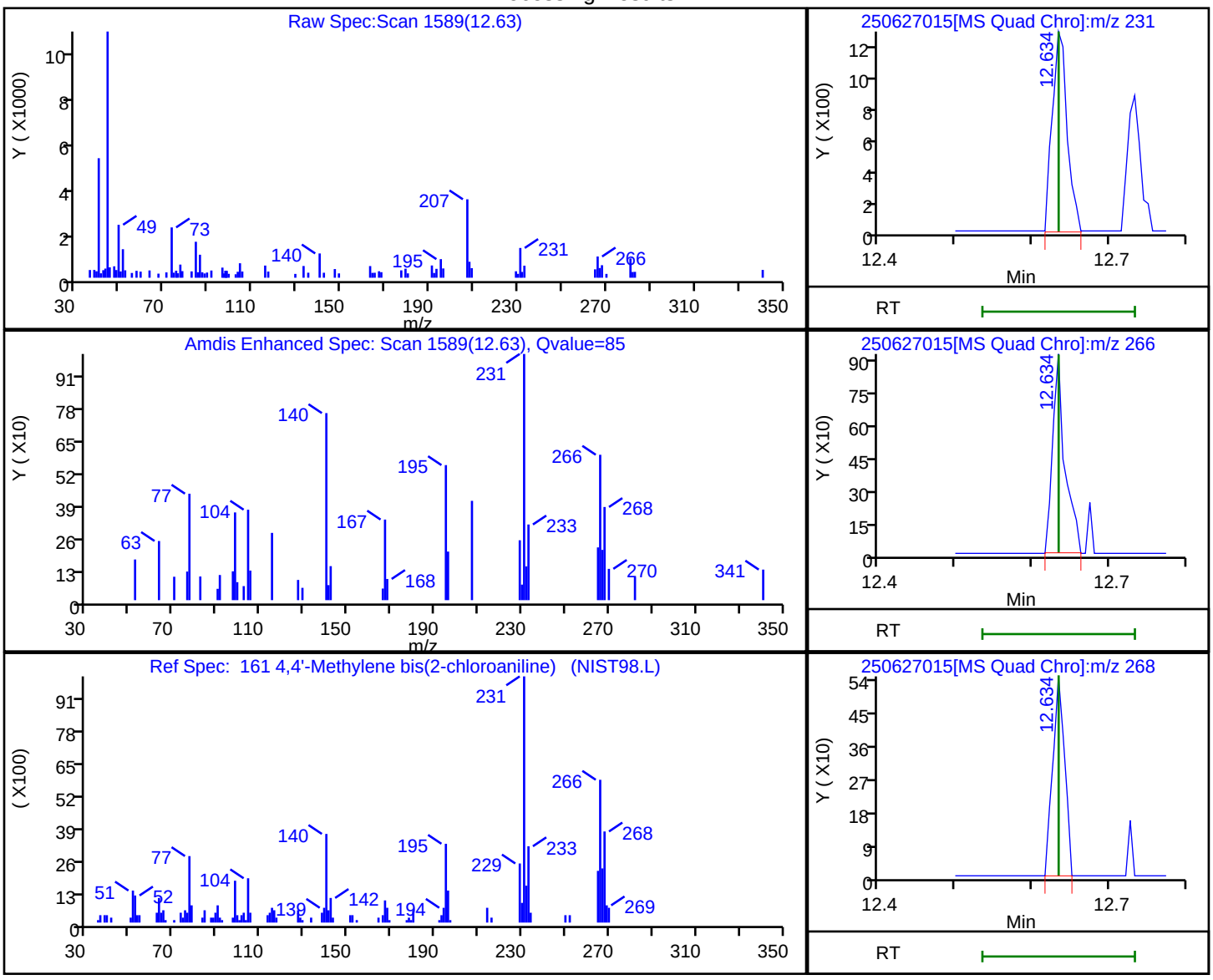
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627015.D				
Injection Date:	27-Jun-2025 12:53:57	Instrument ID:	A4AG3		
Lims ID:	std2 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

161 4,4'-Methylene bis(2-chloroaniline), CAS: 101-14-4

Processing Results



RT	Mass	Response	Amount
12.63	231.00	1751	62.710379
12.63	266.00	1035	
12.63	268.00	592	

Reviewer: KDZ4, 27-Jun-2025 14:54:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627016.D
Lims ID: std6 lst2
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Jun-2025 13:16:32 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD6 LST2
Misc. Info.: 240-0156317-016
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 15:16:06 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 14:56:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.299	6.299	0.000	98	101401	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	470341	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	91	266203	400.0	400.0	
* 4 Phenanthrene-d10	188	10.105	10.105	0.000	97	412500	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	305188	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	279563	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	96	372216	1000.0	1141.6	
19 N-Nitrosomethylethylamine	88	4.758	4.758	0.000	98	173952	1000.0	1031.5	
22 Methyl methanesulfonate	80	5.017	5.017	0.000	89	245160	1000.0	1089.7	
23 N-Nitrosodiethylamine	102	5.375	5.375	0.000	92	181379	1000.0	1081.4	
24 Ethyl methanesulfonate	79	5.611	5.611	0.000	98	312030	1000.0	1138.6	
28 Pentachloroethane	167	6.069	6.069	0.000	95	111385	1000.0	1048.1	
43 N-Nitrosopyrrolidine	100	6.587	6.587	0.000	89	201703	1000.0	1046.6	
44 N-Nitrosomorpholine	56	6.611	6.611	0.000	93	294898	1000.0	1103.2	
47 2-Toluidine	106	6.652	6.652	0.000	98	598165	1000.0	1060.4	
52 N-Nitrosopiperidine	114	6.887	6.887	0.000	84	213662	1000.0	1089.3	
56 o,o',o''-Triethylphosphorothioat	198	7.093	7.093	0.000	91	156185	1000.0	983.2	
59 alpha,alpha-Dimethyl phenethylam	58	7.205	7.205	0.000	97	593068	1000.0	942.9	
67 Hexachloropropene	213	7.469	7.469	0.000	93	173635	1000.0	951.8	
69 Quinoline	129	7.658	7.658	0.000	97	826104	1000.0	1076.6	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	94	284724	1000.0	1068.6	
71 p-Phenylene diamine	108	7.693	7.693	0.000	96	377293	1000.0	1020.2	
81 Safrole, Total	162	7.869	7.869	0.000	87	304390	1000.0	1044.4	
75 Isosafrole Peak 1	162	8.116	8.116	0.000	0	50079	160.0	160.4	
87 Isosafrole Peak 2	162	8.305	8.305	0.000	0	300724	840.0	878.1	
92 1,4-Naphthoquinone	158	8.510	8.510	0.000	92	220161	1000.0	1007.4	
93 1,4-Dinitrobenzene	168	8.534	8.534	0.000	91	109763	1000.0	941.1	
103 Pentachlorobenzene	250	8.993	8.993	0.000	94	221810	1000.0	972.6	
106 1-Naphthylamine	143	9.075	9.075	0.000	99	732277	1000.0	1112.7	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.081	0.000	89	136997	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.140	0.000	96	825902	1000.0	1039.0	
112 Thionazin	97	9.234	9.234	0.000	80	197966	1000.0	1019.9	
113 N-Nitro-o-toluidine	152	9.293	9.293	0.000	94	236978	1000.0	984.3	
122 Sulfotepp	202	9.481	9.481	0.000	78	78941	1000.0	1022.0	
123 1,3,5-Trinitrobenzene	213	9.563	9.563	0.000	82	59726	1000.0	1019.2	
124 Phenacetin	108	9.610	9.610	0.000	87	426477	1000.0	1111.1	
125 Diallate Peak 1	86	9.616	9.616	0.000	0	300112	740.0	814.3	
126 Phorate	121	9.622	9.622	0.000	95	180313	1000.0	1170.8	
127 Diallate Peak 2	86	9.693	9.693	0.000	0	103074	260.0	273.8	
129 Dimethoate	87	9.763	9.763	0.000	95	346587	1000.0	1053.1	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	90	825765	1000.0	1038.2	
134 Pronamide	173	9.946	9.946	0.000	90	343058	1000.0	1074.1	
136 Pentachloronitrobenzene	237	9.957	9.957	0.000	82	83283	1000.0	1080.6	
137 Disulfoton	88	10.057	10.057	0.000	98	453162	1000.0	1070.5	
138 Dinoseb	211	10.069	10.069	0.000	94	139332	1000.0	984.1	
143 Methyl parathion	109	10.381	10.381	0.000	90	284737	1000.0	1032.2	
145 Ethyl Parathion	97	10.699	10.699	0.000	82	169926	1000.0	998.4	
146 4-Nitroquinoline-1-oxide	190	10.757	10.757	0.000	81	57390	1000.0	1003.4	
147 Methapyrilene	58	10.799	10.799	0.000	98	1315615	2000.0	2118.6	
148 Isodrin	66	11.022	11.022	0.000	90	135829	1000.0	1056.6	
152 Aramite Peak 1	185	11.410	11.410	0.000	0	39903	480.0	442.2	
153 Aramite Peak 2	185	11.487	11.487	0.000	0	91942	520.0	488.6	
154 p-Dimethylamino azobenzene	225	11.610	11.610	0.000	92	194833	1000.0	984.4	
155 Chlorobenzilate	139	11.646	11.646	0.000	81	394750	1000.0	991.2	
156 Famphur	218	11.904	11.904	0.000	90	140062	1000.0	902.6	
158 3,3'-Dimethylbenzidine	212	11.969	11.969	0.000	99	516314	1000.0	965.1	
160 2-Acetylaminofluorene	181	12.275	12.275	0.000	95	390428	1000.0	932.3	
161 4,4'-Methylene bis(2-chloroanil	231	12.640	12.640	0.000	93	168739	1000.0	981.2	
166 6-Methylchrysene	242	13.398	13.398	0.000	99	1274246	2000.0	2105.5	
168 7,12-Dimethylbenz(a)anthracene	256	14.257	14.257	0.000	92	401076	1000.0	1009.5	
172 3-Methylcholanthrene	268	15.334	15.334	0.000	94	850553	2000.0	1971.3	
174 Dibenz[a,h]acridine	279	16.192	16.192	0.000	92	594306	1000.0	942.3	
S 199 Isosafrole	162				0		1000.0	1038.5	
S 200 Diallate	86				0		1000.0	1088.2	
S 201 Aramite, Total	185				0		1000.0	930.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLIST2 L6 W_00039 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 15:16:07 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627016.D

Injection Date: 27-Jun-2025 13:16:32 Instrument ID: A4AG3 Operator ID:

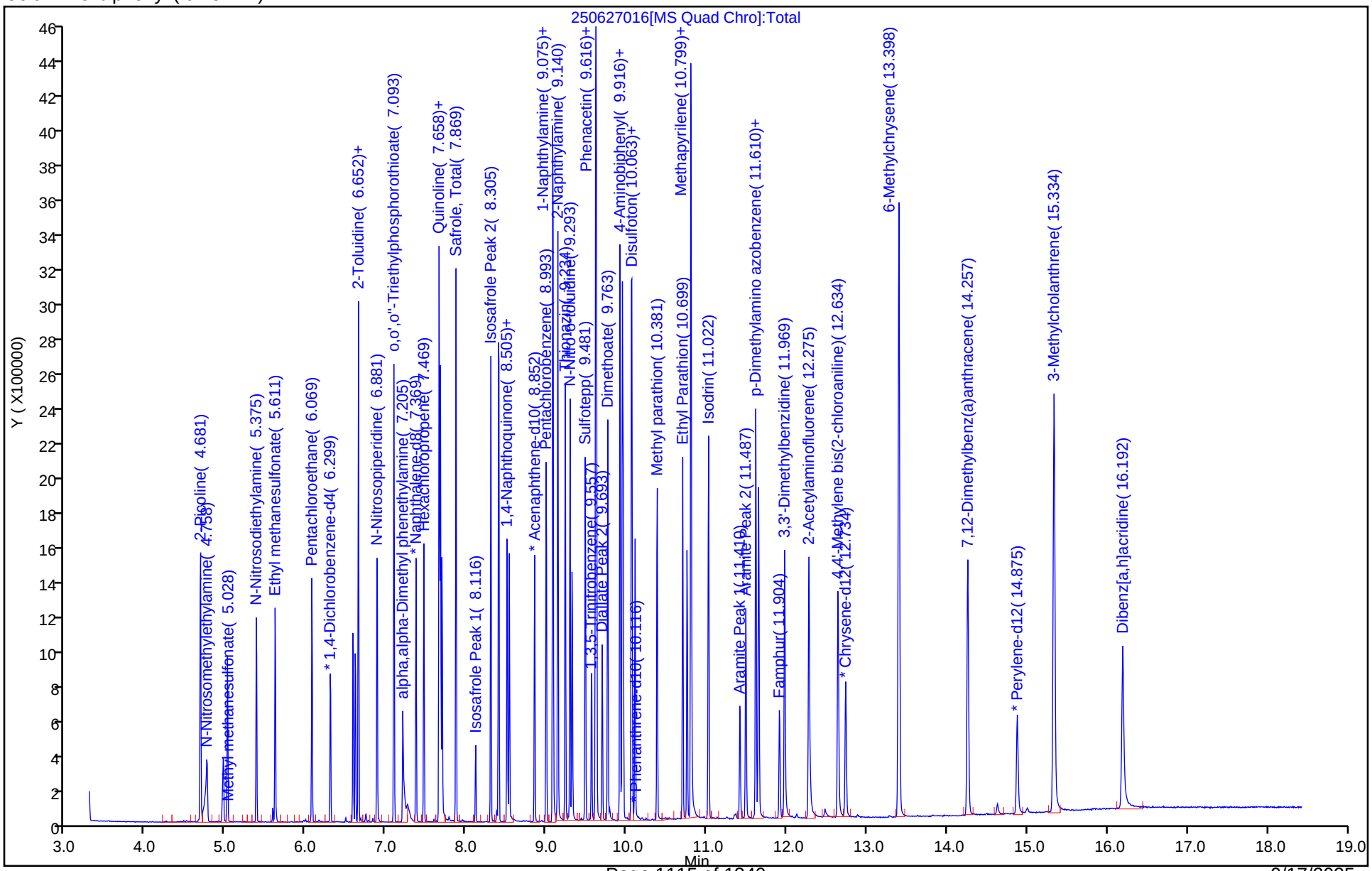
Lims ID: std6 lst2 Worklist Smp#: 16

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 16

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627017.D
Lims ID: std7 lst2
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Jun-2025 13:39:10 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD7 LST2
Misc. Info.: 240-0156317-017
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 15:16:10 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 14:58:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.299	6.299	0.000	97	111637	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	99	510333	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	93	270765	400.0	400.0	
* 4 Phenanthrene-d10	188	10.105	10.105	0.001	97	444500	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	314866	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	288308	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	96	531501	1500.0	1480.7	
19 N-Nitrosomethylethylamine	88	4.764	4.758	0.006	98	282369	1500.0	1520.9	
22 Methyl methanesulfonate	80	5.017	5.017	0.000	88	367451	1500.0	1483.5	
23 N-Nitrosodiethylamine	102	5.381	5.375	0.006	97	297300	1500.0	1610.0	
24 Ethyl methanesulfonate	79	5.611	5.611	0.000	98	464539	1500.0	1539.7	
28 Pentachloroethane	167	6.069	6.069	0.000	95	175852	1500.0	1503.0	
43 N-Nitrosopyrrolidine	100	6.587	6.587	0.000	93	330351	1500.0	1541.3	
44 N-Nitrosomorpholine	56	6.617	6.611	0.006	94	453355	1500.0	1531.9	
47 2-Toluidine	106	6.652	6.652	0.000	97	944526	1500.0	1511.0	
52 N-Nitrosopiperidine	114	6.887	6.887	0.000	84	331593	1500.0	1558.1	
56 o,o',o''-Triethylphosphorothioat	198	7.093	7.093	0.000	91	246553	1500.0	1430.4	
59 alpha,alpha-Dimethyl phenethylam	58	7.205	7.205	0.000	97	1188442	1500.0	1513.0	
67 Hexachloropropene	213	7.469	7.469	0.000	93	293274	1500.0	1481.6	
69 Quinoline	129	7.658	7.658	0.000	97	1226188	1500.0	1472.8	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	94	439198	1500.0	1519.2	
71 p-Phenylene diamine	108	7.693	7.693	0.000	97	605903	1500.0	1490.5	
81 Safrole, Total	162	7.869	7.869	0.000	88	449094	1500.0	1420.1	
75 Isosafrole Peak 1	162	8.116	8.116	0.000	0	84536	240.0	266.2	
87 Isosafrole Peak 2	162	8.305	8.305	0.000	0	450400	1260.0	1293.0	
92 1,4-Naphthoquinone	158	8.505	8.510	-0.005	83	365076	1500.0	1642.3	
93 1,4-Dinitrobenzene	168	8.534	8.534	0.000	93	180744	1500.0	1496.0	
103 Pentachlorobenzene	250	8.993	8.993	0.000	95	346160	1500.0	1492.3	
106 1-Naphthylamine	143	9.075	9.075	0.000	99	1096148	1500.0	1637.5	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.081	0.000	91	231397	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.140	0.000	95	1208227	1500.0	1484.6	
112 Thionazin	97	9.234	9.234	0.000	81	304899	1500.0	1531.4	
113 N-Nitro-o-toluidine	152	9.293	9.293	0.000	96	386118	1500.0	1553.7	
122 Sulfotepp	202	9.481	9.481	0.000	78	123054	1500.0	1467.2	
123 1,3,5-Trinitrobenzene	213	9.563	9.563	0.000	82	104271	1500.0	1494.3	
124 Phenacetin	108	9.610	9.610	0.000	92	640893	1500.0	1541.7	
125 Diallate Peak 1	86	9.616	9.616	0.000	0	427370	1110.0	1076.2	
126 Phorate	121	9.622	9.622	0.000	95	255057	1500.0	1536.9	
127 Diallate Peak 2	86	9.693	9.693	0.000	0	160978	390.0	396.9	
129 Dimethoate	87	9.763	9.763	0.000	97	536672	1500.0	1500.8	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	89	1312959	1500.0	1519.9	
134 Pronamide	173	9.946	9.946	0.000	90	516391	1500.0	1490.4	
136 Pentachloronitrobenzene	237	9.958	9.957	0.001	82	127688	1500.0	1530.6	
137 Disulfoton	88	10.058	10.057	0.001	97	683209	1500.0	1490.9	
138 Dinoseb	211	10.069	10.069	0.000	92	229956	1500.0	1476.1	
143 Methyl parathion	109	10.381	10.381	0.000	91	445041	1500.0	1477.6	
145 Ethyl Parathion	97	10.699	10.699	0.000	83	274270	1500.0	1471.3	
146 4-Nitroquinoline-1-oxide	190	10.757	10.757	0.000	89	114837	1500.0	1489.9	
147 Methapyrilene	58	10.799	10.799	0.000	98	2077600	3000.0	3060.4	
148 Isodrin	66	11.022	11.022	0.000	90	202740	1500.0	1463.5	
152 Aramite Peak 1	185	11.416	11.410	0.006	0	66957	720.0	704.0	
153 Aramite Peak 2	185	11.487	11.487	0.000	0	153695	780.0	777.0	
154 p-Dimethylamino azobenzene	225	11.610	11.610	0.000	92	315155	1500.0	1521.3	
155 Chlorobenzilate	139	11.646	11.646	0.000	81	645020	1500.0	1555.8	
156 Famphur	218		11.904				ND	ND	U
158 3,3'-Dimethylbenzidine	212	11.969	11.969	0.000	99	848801	1500.0	1486.9	
160 2-Acetylaminofluorene	181	12.275	12.275	0.000	94	659643	1500.0	1490.6	
161 4,4'-Methylene bis(2-chloroanil	231	12.640	12.640	0.000	93	270753	1500.0	1486.9	
166 6-Methylchrysene	242	13.399	13.398	0.001	99	1923514	3000.0	3080.7	
168 7,12-Dimethylbenz(a)anthracene	256	14.257	14.257	0.000	91	618075	1500.0	1495.0	
172 3-Methylcholanthrene	268	15.340	15.334	0.006	94	1387476	3000.0	3080.5	
174 Dibenz[a,h]acridine	279	16.198	16.192	0.006	92	1001648	1500.0	1512.4	
S 199 Isosafrole	162				0		1500.0	1559.2	
S 200 Diallate	86				0		1500.0	1473.0	
S 201 Aramite, Total	185				0		1500.0	1481.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

SMLIST2 L7 W_00036 Amount Added: 0.10 Units: mL

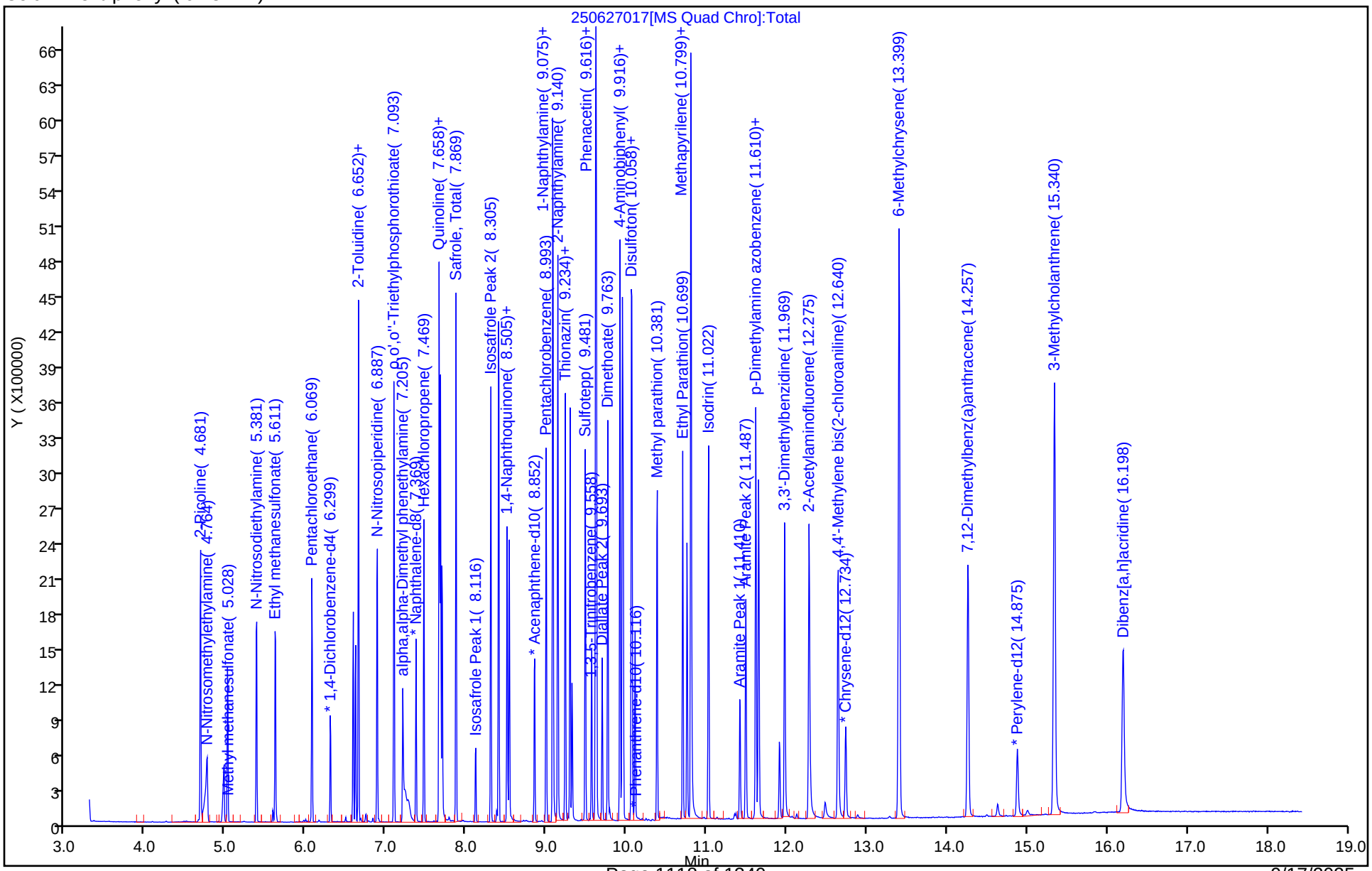
Report Date: 27-Jun-2025 15:16:10 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627017.D

Injection Date:	27-Jun-2025 13:39:10	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	std7 lst2			Worklist Smp#:	17
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

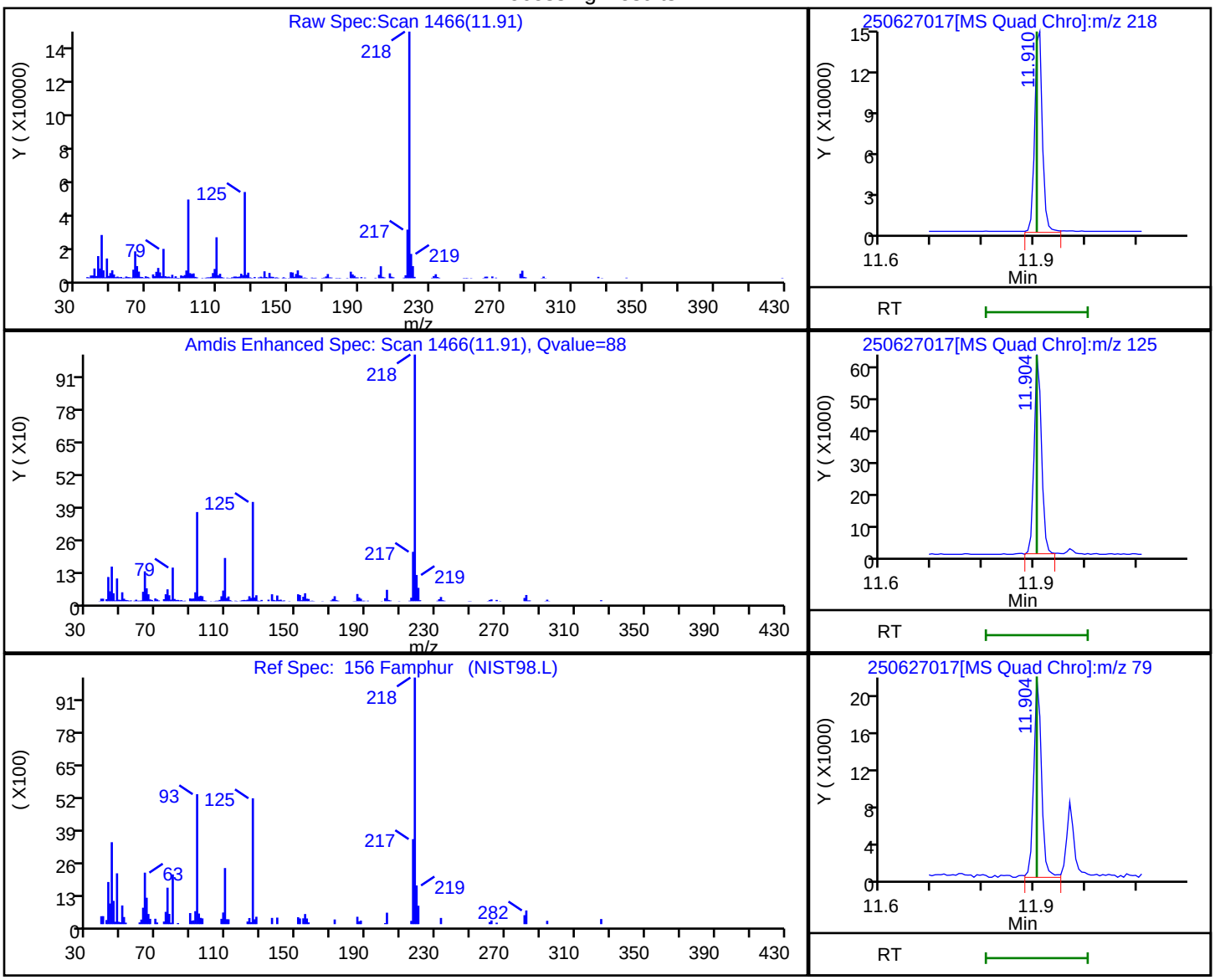
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627017.D				
Injection Date:	27-Jun-2025 13:39:10	Instrument ID:	A4AG3		
Lims ID:	std7 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

156 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
11.91	218.00	153932	1039.0801
11.90	125.00	63530	
11.90	79.00	23002	

Reviewer: KDZ4, 27-Jun-2025 14:58:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627018.D
Lims ID: std8 lst2
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 27-Jun-2025 14:01:51 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD8 LST2
Misc. Info.: 240-0156317-018
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 15:16:14 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 14:59:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.299	0.006	97	113988	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	511226	400.0	400.0	
* 3 Acenaphthene-d10	164	8.851	8.852	-0.001	90	280935	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.105	0.000	98	444737	400.0	400.0	
* 5 Chrysene-d12	240	12.739	12.734	0.005	98	322513	400.0	400.0	
* 6 Perylene-d12	264	14.881	14.875	0.006	96	293084	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	96	804681	2000.0	2195.5	
19 N-Nitrosomethylethylamine	88	4.763	4.758	0.005	98	389819	2000.0	2056.4	
22 Methyl methanesulfonate	80	5.022	5.017	0.005	88	509581	2000.0	2014.9	
23 N-Nitrosodiethylamine	102	5.381	5.375	0.006	97	407956	2000.0	2163.6	
24 Ethyl methanesulfonate	79	5.616	5.611	0.005	98	641864	2000.0	2083.5	
28 Pentachloroethane	167	6.069	6.069	0.000	95	242438	2000.0	2029.4	
43 N-Nitrosopyrrolidine	100	6.587	6.587	0.000	90	436561	2000.0	1985.3	
44 N-Nitrosomorpholine	56	6.616	6.611	0.005	93	602919	2000.0	1988.7	
47 2-Toluidine	106	6.652	6.652	0.000	97	1293541	2000.0	2019.0	
52 N-Nitrosopiperidine	114	6.887	6.887	0.000	84	441150	2000.0	2069.3	
56 o,o',o''-Triethylphosphorothioat	198	7.093	7.093	0.000	91	339966	2000.0	1968.9	
59 alpha,alpha-Dimethyl phenethylam	58	7.204	7.205	-0.001	96	1798160	2000.0	2055.5	
67 Hexachloropropene	213	7.469	7.469	0.000	93	399828	2000.0	2016.4	
69 Quinoline	129	7.657	7.658	-0.001	97	1665321	2000.0	1996.8	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	95	587617	2000.0	2029.1	
71 p-Phenylene diamine	108	7.699	7.693	0.006	97	838904	2000.0	2044.7	
81 Safrole, Total	162	7.869	7.869	0.000	87	605810	2000.0	1912.3	
75 Isosafrole Peak 1	162	8.116	8.116	0.000	0	111552	320.0	338.5	
87 Isosafrole Peak 2	162	8.304	8.305	-0.001	0	613527	1680.0	1697.6	
92 1,4-Naphthoquinone	158	8.510	8.510	0.000	91	509662	2000.0	2209.7	
93 1,4-Dinitrobenzene	168	8.534	8.534	0.000	91	254722	2000.0	2016.0	
103 Pentachlorobenzene	250	8.998	8.993	0.005	97	469512	2000.0	1950.8	
106 1-Naphthylamine	143	9.075	9.075	0.000	99	1453833	2000.0	2093.2	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.081	0.000	91	314561	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.140	0.000	97	1686396	2000.0	1989.4	
112 Thionazin	97	9.234	9.234	0.000	80	420725	2000.0	2028.4	
113 N-Nitro-o-toluidine	152	9.293	9.293	0.000	94	509444	2000.0	1965.3	
122 Sulfotepp	202	9.487	9.481	0.006	79	165416	2000.0	1962.7	
123 1,3,5-Trinitrobenzene	213	9.563	9.563	0.000	82	151896	2000.0	1993.3	
124 Phenacetin	108	9.616	9.610	0.006	84	817223	2000.0	1959.4	
125 Diallate Peak 1	86	9.616	9.616	0.000	0	533637	1480.0	1343.1	
126 Phorate	121	9.622	9.622	0.000	96	344285	2000.0	2073.4	
127 Diallate Peak 2	86	9.698	9.693	0.005	0	224237	520.0	552.5	
129 Dimethoate	87	9.769	9.763	0.006	97	714741	2000.0	1988.2	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	90	1746507	2000.0	2012.4	
134 Pronamide	173	9.946	9.946	0.000	91	690431	2000.0	1983.1	
136 Pentachloronitrobenzene	237	9.957	9.957	0.000	82	162229	2000.0	1939.2	
137 Disulfoton	88	10.063	10.057	0.006	97	915218	2000.0	1990.3	
138 Dinoseb	211	10.069	10.069	0.000	91	325558	2000.0	2064.4	
143 Methyl parathion	109	10.381	10.381	0.000	90	613255	2000.0	2018.6	
145 Ethyl Parathion	97	10.698	10.699	-0.001	83	384793	2000.0	2043.5	
146 4-Nitroquinoline-1-oxide	190	10.757	10.757	0.000	86	187993	2000.0	2016.2	
147 Methapyrilene	58	10.804	10.799	0.005	98	2720834	4000.0	3976.4	
148 Isodrin	66	11.022	11.022	0.000	90	261816	2000.0	1889.0	
152 Aramite Peak 1	185	11.416	11.410	0.006	0	99709	960.0	1012.6	
153 Aramite Peak 2	185	11.492	11.487	0.005	0	221519	1040.0	1083.6	
154 p-Dimethylamino azobenzene	225	11.616	11.610	0.006	91	427404	2000.0	2001.6	
155 Chlorobenzilate	139	11.651	11.646	0.005	81	849958	2000.0	1994.5	
156 Famphur	218		11.904				ND	ND	U
158 3,3'-Dimethylbenzidine	212	11.975	11.969	0.006	99	1201488	2000.0	2022.0	
160 2-Acetylaminofluorene	181	12.281	12.275	0.006	95	957105	2000.0	2088.0	
161 4,4'-Methylene bis(2-chloroanil	231	12.645	12.640	0.005	94	383473	2000.0	2029.0	
166 6-Methylchrysene	242	13.410	13.398	0.012	99	2570792	4000.0	4019.7	
168 7,12-Dimethylbenz(a)anthracene	256	14.269	14.257	0.012	92	862879	2000.0	2043.0	
172 3-Methylcholanthrene	268	15.351	15.334	0.017	94	1845045	4000.0	4009.7	
174 Dibenz[a,h]acridine	279	16.204	16.192	0.012	92	1377253	2000.0	2030.3	
S 199 Isosafrole	162				0		2000.0	2036.1	
S 200 Diallate	86				0		2000.0	1895.6	
S 201 Aramite, Total	185				0		2000.0	2096.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

SMLIST2 L8 W_00037 Amount Added: 0.10 Units: mL

Report Date: 27-Jun-2025 15:16:14 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627018.D

Injection Date: 27-Jun-2025 14:01:51 Instrument ID: A4AG3 Operator ID:

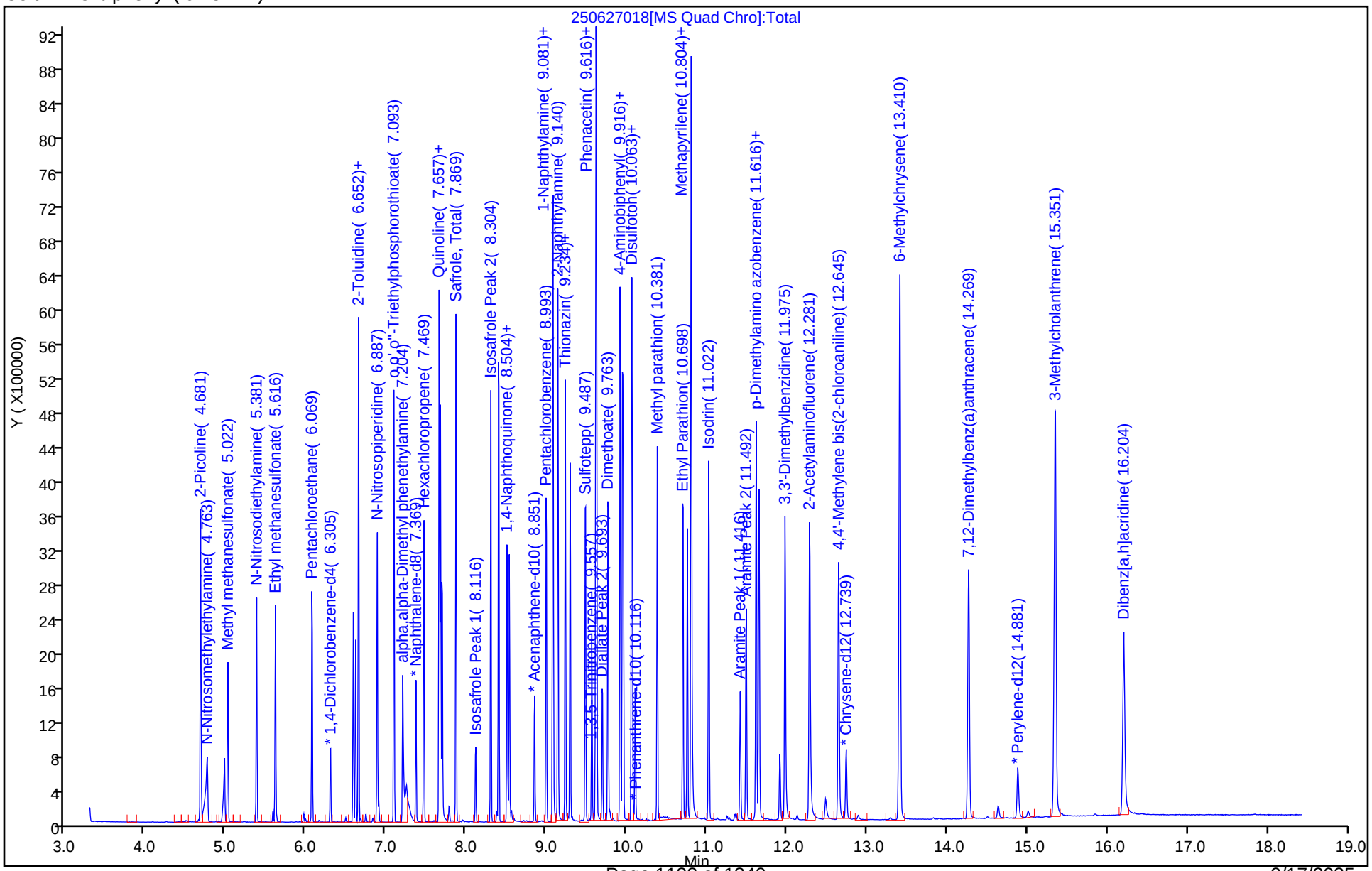
Lims ID: std8 lst2 Worklist Smp#: 18

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 18

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

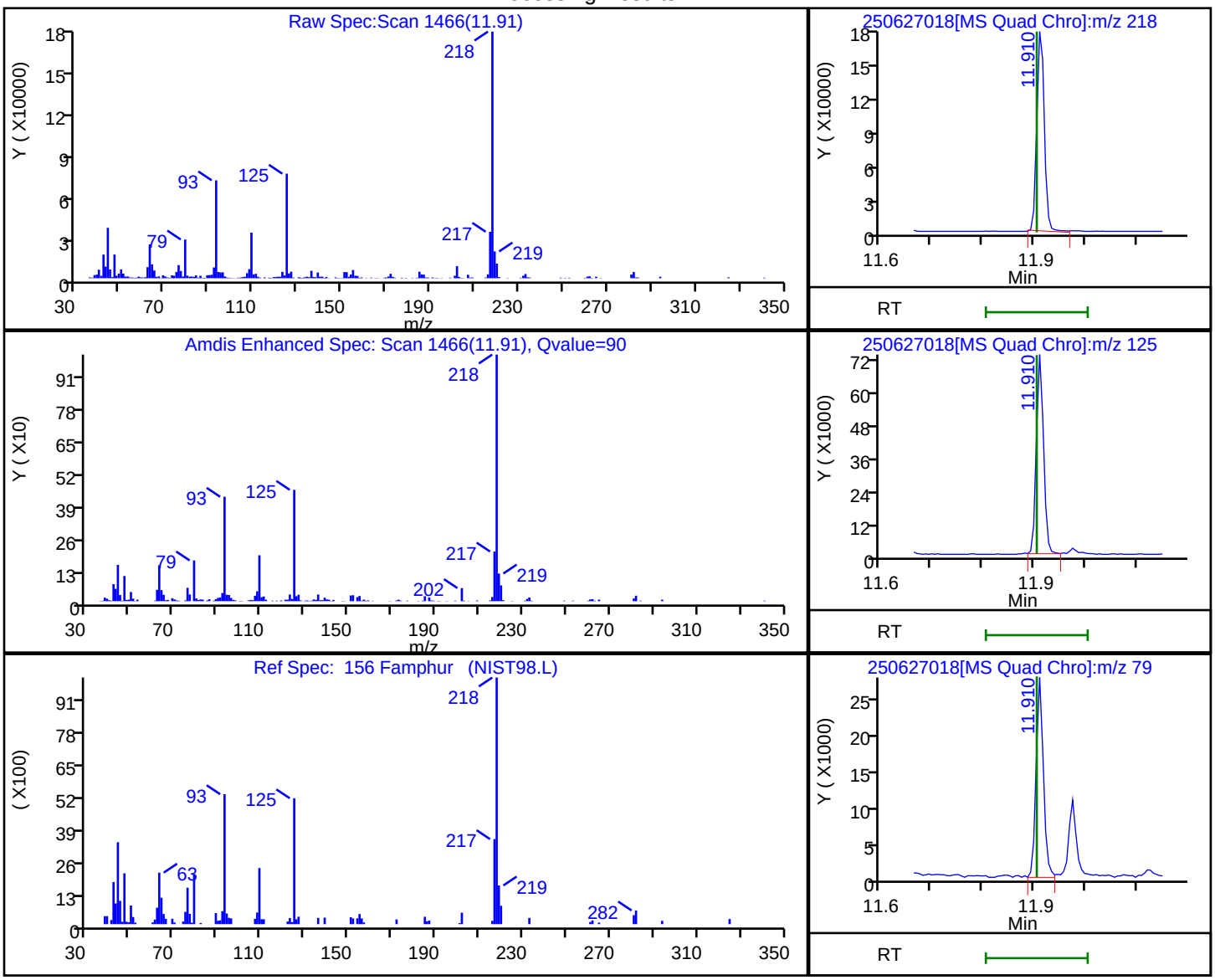
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627018.D				
Injection Date:	27-Jun-2025 14:01:51	Instrument ID:	A4AG3		
Lims ID:	std8 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

156 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
11.91	218.00	178595	1423.3012
11.91	125.00	72537	
11.91	79.00	27295	

Reviewer: KDZ4, 27-Jun-2025 14:58:54 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D
Lims ID: std9 lst2
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 27-Jun-2025 14:24:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: STD9 LST2
Misc. Info.: 240-0156317-019
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 27-Jun-2025 15:16:17 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1703

First Level Reviewer: KDZ4 Date: 27-Jun-2025 15:00:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.299	0.006	97	118859	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	526217	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	93	275752	400.0	400.0	
* 4 Phenanthrene-d10	188	10.105	10.105	0.000	97	435920	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	326192	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	294298	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	95	943903	2500.0	2469.8	
19 N-Nitrosomethylethylamine	88	4.764	4.758	0.006	98	526017	2500.0	2661.1	
22 Methyl methanesulfonate	80	5.022	5.017	0.005	88	649106	2500.0	2461.4	
23 N-Nitrosodiethylamine	102	5.381	5.375	0.006	95	517888	2500.0	2634.1	
24 Ethyl methanesulfonate	79	5.617	5.611	0.006	98	810415	2500.0	2522.8	
28 Pentachloroethane	167	6.069	6.069	0.000	95	303524	2500.0	2436.6	
43 N-Nitrosopyrrolidine	100	6.587	6.587	0.000	91	567569	2500.0	2467.3	
44 N-Nitrosomorpholine	56	6.616	6.611	0.005	93	764594	2500.0	2414.0	
47 2-Toluidine	106	6.652	6.652	0.000	97	1638320	2500.0	2447.5	
52 N-Nitrosopiperidine	114	6.887	6.887	0.000	83	572640	2500.0	2609.6	
56 o,o',o''-Triethylphosphorothioat	198	7.099	7.093	0.006	89	411671	2500.0	2316.2	
59 alpha,alpha-Dimethyl phenethylam	58	7.205	7.205	0.000	96	2389633	2500.0	2470.9	M
67 Hexachloropropene	213	7.469	7.469	0.000	93	529251	2500.0	2593.1	
69 Quinoline	129	7.658	7.658	0.000	97	2001870	2500.0	2331.9	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	94	716732	2500.0	2404.4	
71 p-Phenylene diamine	108	7.699	7.693	0.006	97	1042776	2500.0	2460.8	
81 Safrole, Total	162	7.869	7.869	0.000	88	755799	2500.0	2317.8	
75 Isosafrole Peak 1	162	8.116	8.116	0.000	0	144078	400.0	445.4	
87 Isosafrole Peak 2	162	8.305	8.305	0.000	0	759223	2100.0	2140.2	
92 1,4-Naphthoquinone	158	8.510	8.510	0.000	87	613864	2500.0	2711.5	
93 1,4-Dinitrobenzene	168	8.534	8.534	0.000	93	325013	2500.0	2607.3	
103 Pentachlorobenzene	250	8.999	8.993	0.006	97	577367	2500.0	2444.1	
106 1-Naphthylamine	143	9.075	9.075	0.000	99	1748158	2500.0	2564.3	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.081	0.000	91	386016	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.140	0.000	97	2064753	2500.0	2476.0	
112 Thionazin	97	9.234	9.234	0.000	81	497622	2500.0	2439.1	
113 N-Nitro-o-toluidine	152	9.293	9.293	0.000	96	642343	2500.0	2513.7	
122 Sulfotepp	202	9.481	9.481	0.000	84	210901	2500.0	2545.4	
123 1,3,5-Trinitrobenzene	213	9.563	9.563	0.000	82	202402	2500.0	2503.6	
124 Phenacetin	108	9.616	9.610	0.006	85	974423	2500.0	2379.3	
125 Diallate Peak 1	86	9.616	9.616	0.000	0	637955	1850.0	1638.1	
126 Phorate	121	9.622	9.622	0.000	96	402739	2500.0	2474.5	
127 Diallate Peak 2	86	9.693	9.693	0.000	0	273826	650.0	688.4	
129 Dimethoate	87	9.769	9.763	0.006	96	871638	2500.0	2466.8	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	90	2078787	2500.0	2438.3	
134 Pronamide	173	9.946	9.946	0.000	90	840866	2500.0	2457.9	
136 Pentachloronitrobenzene	237	9.957	9.957	0.000	83	200313	2500.0	2438.6	
137 Disulfoton	88	10.057	10.057	0.000	97	1101032	2500.0	2438.8	
138 Dinoseb	211	10.069	10.069	0.000	92	398454	2500.0	2563.2	
143 Methyl parathion	109	10.381	10.381	0.000	90	752927	2500.0	2517.5	
145 Ethyl Parathion	97	10.699	10.699	0.000	83	472769	2500.0	2549.2	
146 4-Nitroquinoline-1-oxide	190	10.757	10.757	0.000	94	263133	2500.0	2493.7	
147 Methapyrilene	58	10.804	10.799	0.005	98	3291191	5000.0	4884.9	
148 Isodrin	66	11.022	11.022	0.000	91	317929	2500.0	2340.2	
152 Aramite Peak 1	185	11.416	11.410	0.006	0	123736	1200.0	1236.9	
153 Aramite Peak 2	185	11.487	11.487	0.000	0	274441	1300.0	1322.0	
154 p-Dimethylamino azobenzene	225	11.610	11.610	0.000	91	544962	2500.0	2513.3	
155 Chlorobenzilate	139	11.646	11.646	0.000	81	1062464	2500.0	2459.4	
156 Famphur	218		11.904				ND	ND	U
158 3,3'-Dimethylbenzidine	212	11.975	11.969	0.006	99	1551565	2500.0	2558.0	
160 2-Acetylaminofluorene	181	12.281	12.275	0.006	95	1200295	2500.0	2575.4	
161 4,4'-Methylene bis(2-chloroanil	231	12.640	12.640	0.000	94	487703	2500.0	2533.3	
166 6-Methylchrysene	242	13.404	13.398	0.006	99	3213421	5000.0	4967.9	
168 7,12-Dimethylbenz(a)anthracene	256	14.263	14.257	0.006	92	1048844	2500.0	2467.3	
172 3-Methylcholanthrene	268	15.345	15.334	0.011	93	2315487	5000.0	4995.2	
174 Dibenz[a,h]acridine	279	16.198	16.192	0.006	92	1762789	2500.0	2576.0	
S 199 Isosafrole	162				0		2500.0	2585.6	
S 200 Diallate	86				0		2500.0	2326.4	
S 201 Aramite, Total	185				0		2500.0	2558.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

SMLIST2 L9 W_00036 Amount Added: 0.10 Units: mL

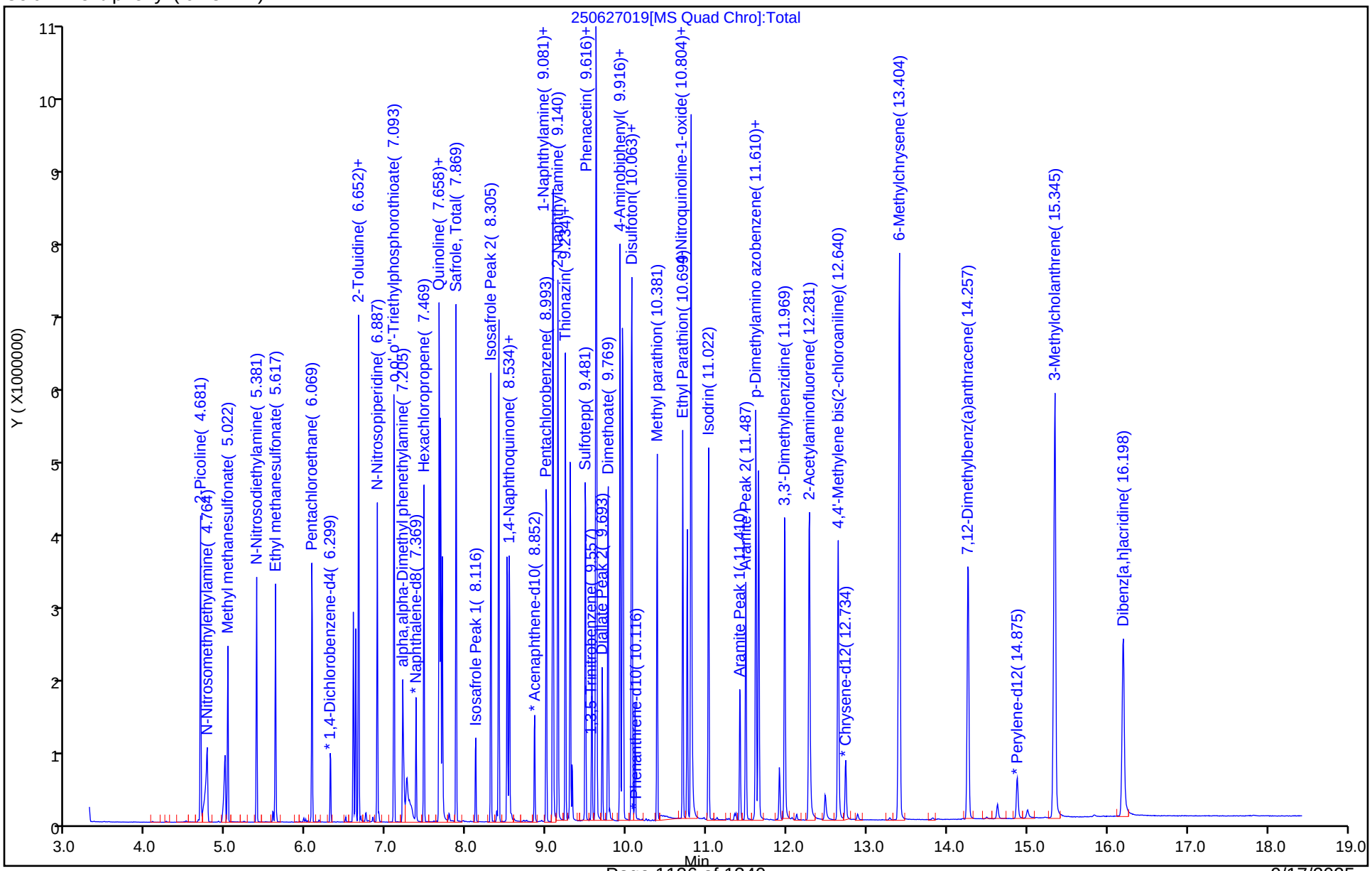
Report Date: 27-Jun-2025 15:16:18 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Injection Date:	27-Jun-2025 14:24:30	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	std9 lst2			Worklist Smp#:	19
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

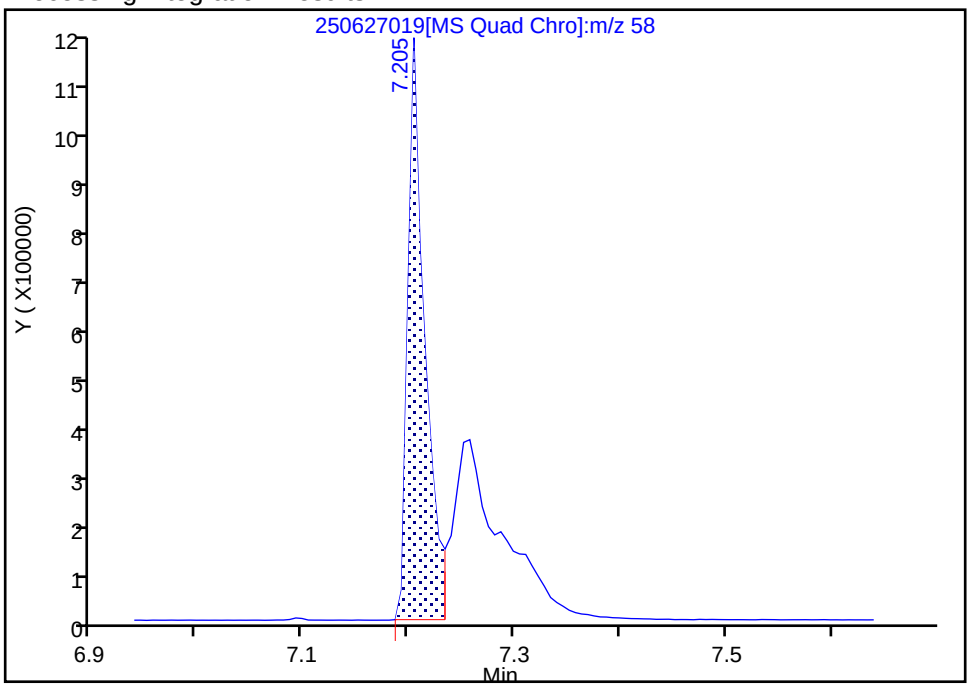
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Injection Date: 27-Jun-2025 14:24:30 Instrument ID: A4AG3
Lims ID: std9 lst2
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Column: 5% phenyl (0.18 mm) Detector MS SCAN

59 alpha,alpha-Dimethyl phenethylam, CAS: 122-09-8

Signal: 1

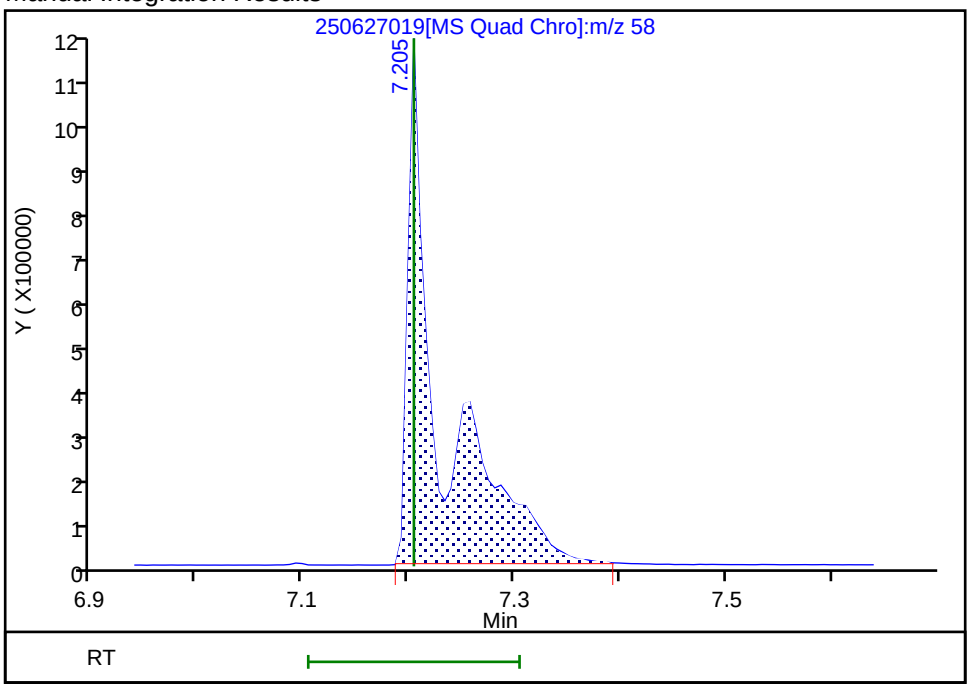
Processing Integration Results

RT: 7.20
Area: 1295479
Amount: 2196.4005
Amount Units: ng/ml



Manual Integration Results

RT: 7.20
Area: 2389633
Amount: 2470.9376
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 14:59:55 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

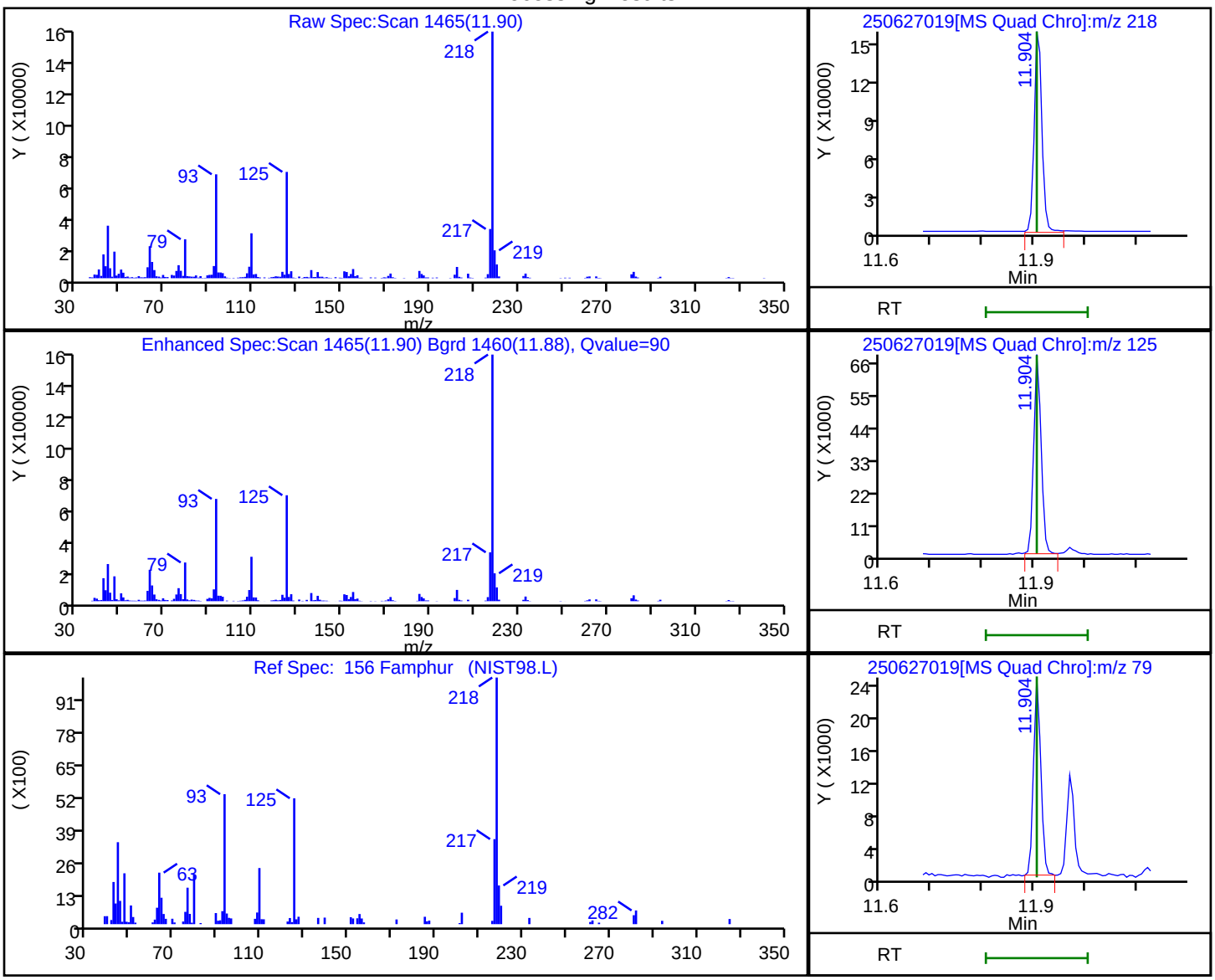
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D				
Injection Date:	27-Jun-2025 14:24:30	Instrument ID:	A4AG3		
Lims ID:	std9 lst2				
Client ID:					
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

156 Famphur, CAS: 52-85-7

Processing Results



RT	Mass	Response	Amount
11.90	218.00	165555	1133.1458
11.90	125.00	69565	
11.90	79.00	24780	

Reviewer: KDZ4, 27-Jun-2025 15:00:17 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Calibration / 2-Picoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

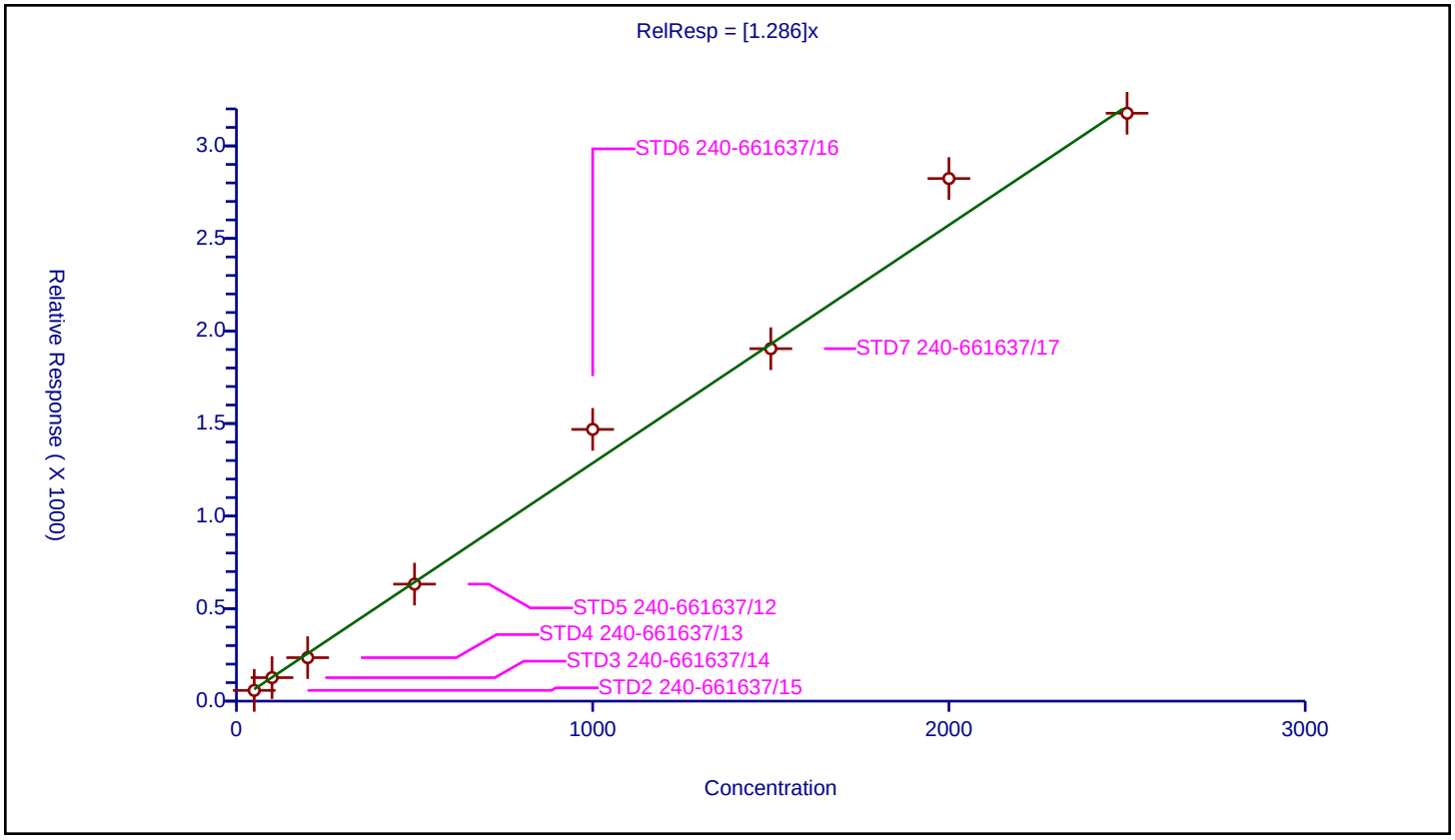
Curve Coefficients

Intercept:	0
Slope:	1.286

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	58.022832	400.0	102925.0	1.160457	Y
2	STD3 240-661637/14	100.0	126.936438	400.0	108240.0	1.269364	Y
3	STD4 240-661637/13	200.0	234.890012	400.0	109057.0	1.17445	Y
4	STD5 240-661637/12	500.0	632.240541	400.0	105296.0	1.264481	Y
5	STD6 240-661637/16	1000.0	1468.293212	400.0	101401.0	1.468293	Y
6	STD7 240-661637/17	1500.0	1904.390122	400.0	111637.0	1.269593	Y
7	STD8 240-661637/18	2000.0	2823.739341	400.0	113988.0	1.41187	Y
8	STD9 240-661637/19	2500.0	3176.547001	400.0	118859.0	1.270619	Y



9/17/2025
1:48:31 PM

Calibration / N-Nitrosomethylethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

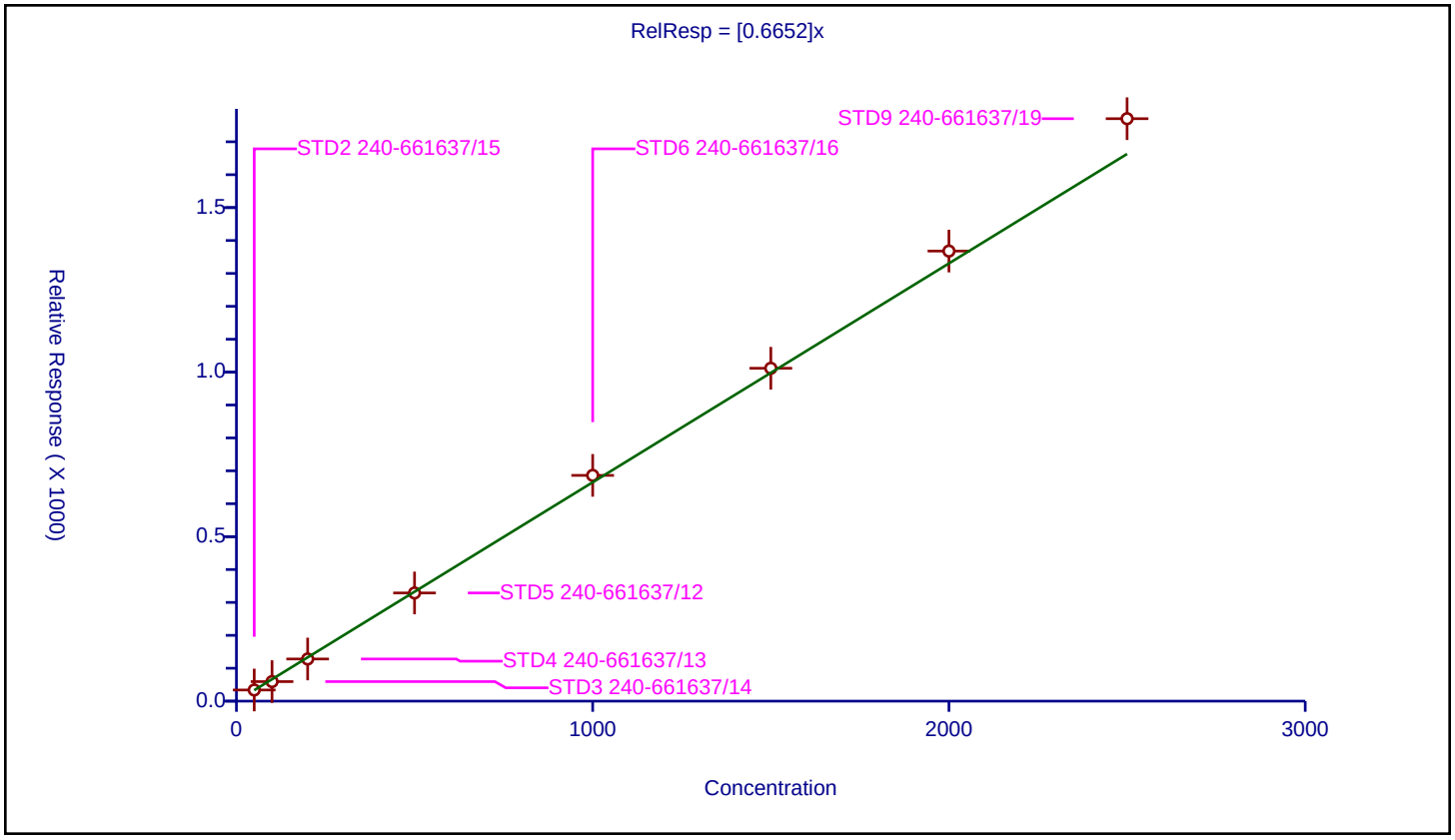
Curve Coefficients

Intercept:	0
Slope:	0.6652

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	33.869322	400.0	102925.0	0.677386	Y
2	STD3 240-661637/14	100.0	59.368071	400.0	108240.0	0.593681	Y
3	STD4 240-661637/13	200.0	128.090815	400.0	109057.0	0.640454	Y
4	STD5 240-661637/12	500.0	328.745631	400.0	105296.0	0.657491	Y
5	STD6 240-661637/16	1000.0	686.194416	400.0	101401.0	0.686194	Y
6	STD7 240-661637/17	1500.0	1011.739835	400.0	111637.0	0.674493	Y
7	STD8 240-661637/18	2000.0	1367.929958	400.0	113988.0	0.683965	Y
8	STD9 240-661637/19	2500.0	1770.22186	400.0	118859.0	0.708089	Y



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Calibration / Methyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

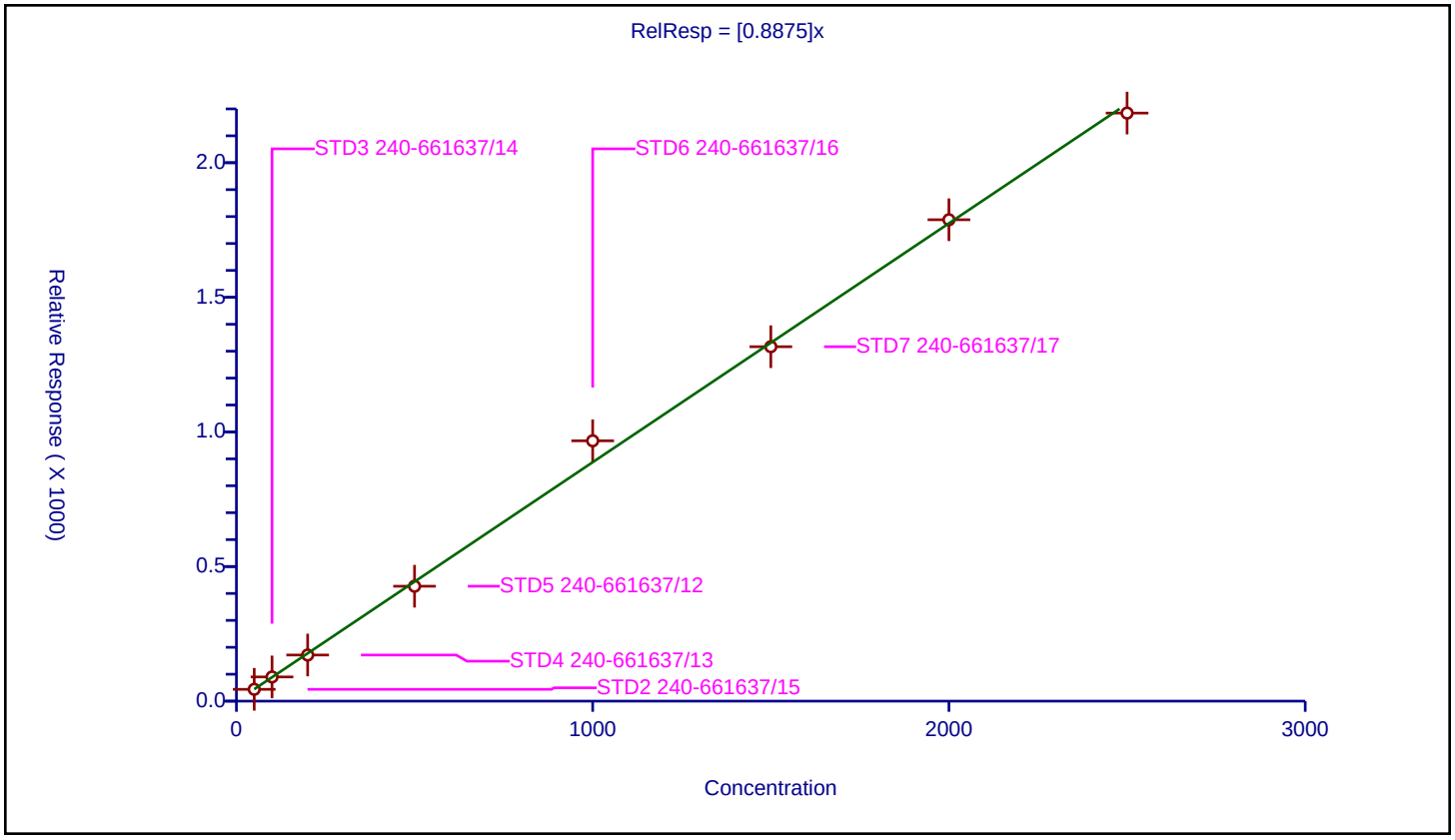
Curve Coefficients

Intercept:	0
Slope:	0.8875

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	43.899927	400.0	102925.0	0.877999	Y
2	STD3 240-661637/14	100.0	89.859571	400.0	108240.0	0.898596	Y
3	STD4 240-661637/13	200.0	171.356263	400.0	109057.0	0.856781	Y
4	STD5 240-661637/12	500.0	426.903206	400.0	105296.0	0.853806	Y
5	STD6 240-661637/16	1000.0	967.091054	400.0	101401.0	0.967091	Y
6	STD7 240-661637/17	1500.0	1316.592169	400.0	111637.0	0.877728	Y
7	STD8 240-661637/18	2000.0	1788.191739	400.0	113988.0	0.894096	Y
8	STD9 240-661637/19	2500.0	2184.457214	400.0	118859.0	0.873783	Y



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Calibration / N-Nitrosodiethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

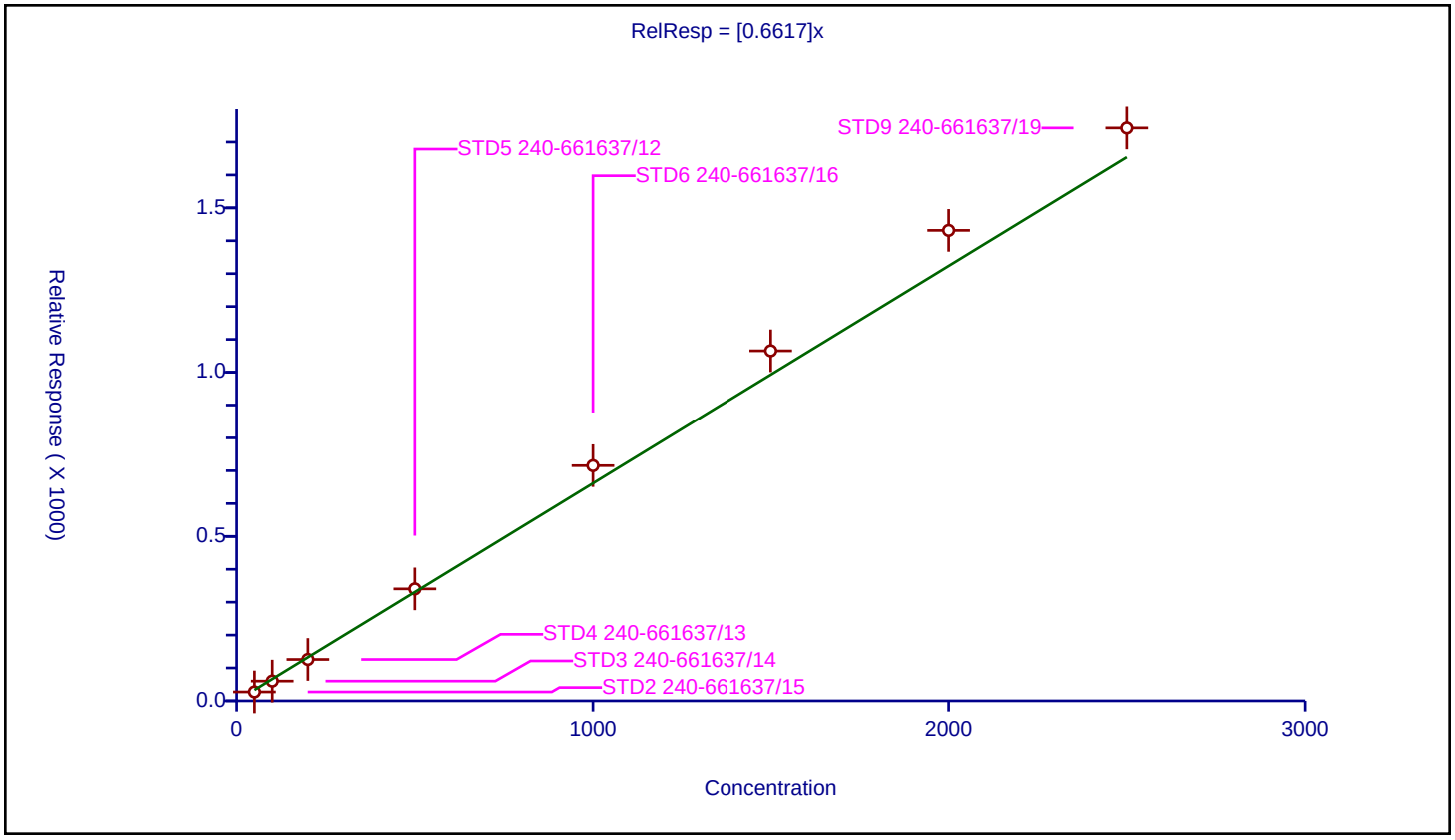
Curve Coefficients

Intercept:	0
Slope:	0.6617

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	27.173184	400.0	102925.0	0.543464	Y
2	STD3 240-661637/14	100.0	60.110865	400.0	108240.0	0.601109	Y
3	STD4 240-661637/13	200.0	125.842449	400.0	109057.0	0.629212	Y
4	STD5 240-661637/12	500.0	340.430786	400.0	105296.0	0.680862	Y
5	STD6 240-661637/16	1000.0	715.491958	400.0	101401.0	0.715492	Y
6	STD7 240-661637/17	1500.0	1065.238227	400.0	111637.0	0.710159	Y
7	STD8 240-661637/18	2000.0	1431.575254	400.0	113988.0	0.715788	Y
8	STD9 240-661637/19	2500.0	1742.865075	400.0	118859.0	0.697146	Y



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Calibration / Ethyl methanesulfonate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

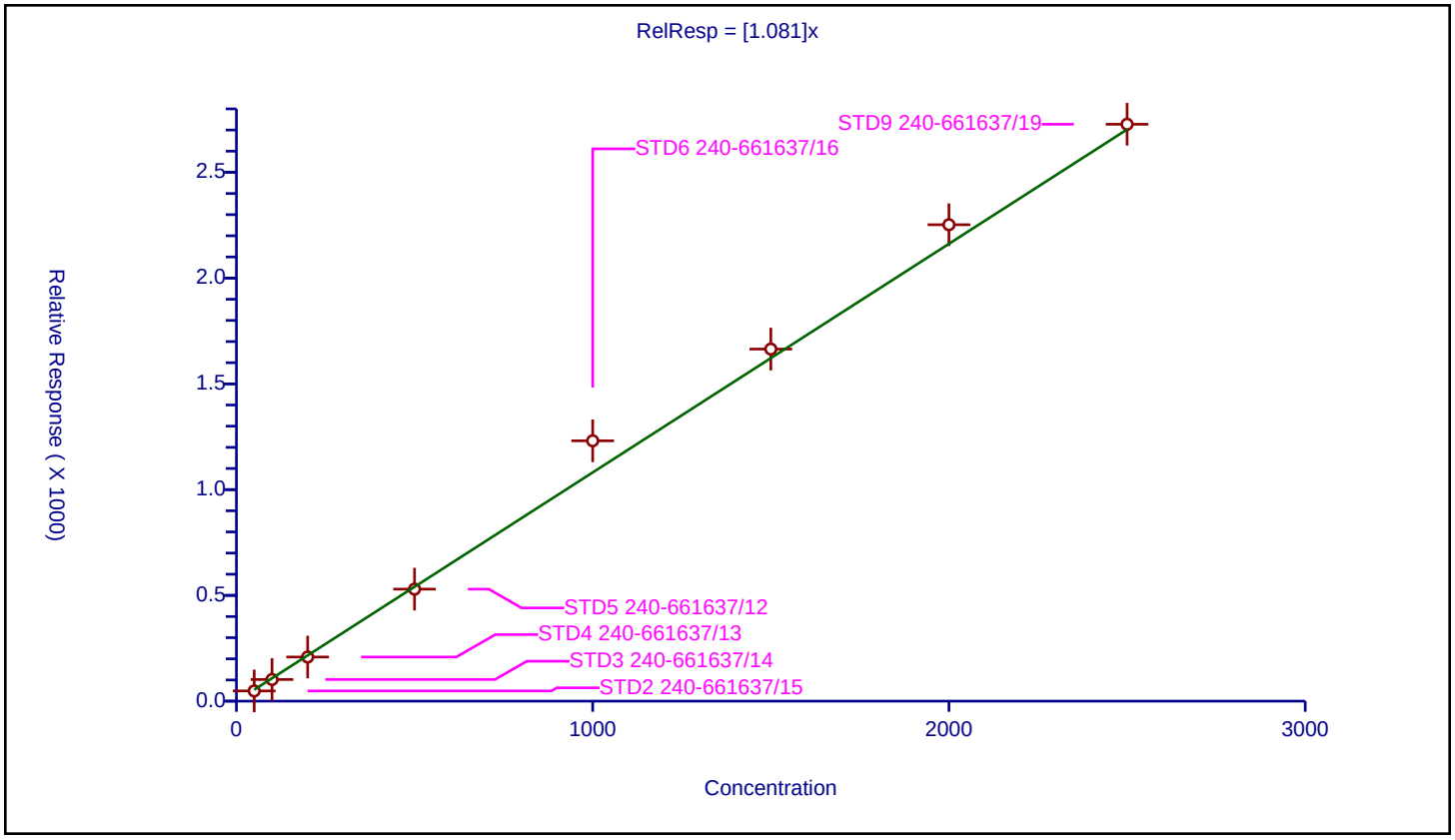
Curve Coefficients

Intercept:	0
Slope:	1.081

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	48.310906	400.0	102925.0	0.966218	Y
2	STD3 240-661637/14	100.0	102.246859	400.0	108240.0	1.022469	Y
3	STD4 240-661637/13	200.0	208.606509	400.0	109057.0	1.043033	Y
4	STD5 240-661637/12	500.0	529.577572	400.0	105296.0	1.059155	Y
5	STD6 240-661637/16	1000.0	1230.875435	400.0	101401.0	1.230875	Y
6	STD7 240-661637/17	1500.0	1664.462499	400.0	111637.0	1.109642	Y
7	STD8 240-661637/18	2000.0	2252.39148	400.0	113988.0	1.126196	Y
8	STD9 240-661637/19	2500.0	2727.315559	400.0	118859.0	1.090926	Y



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Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

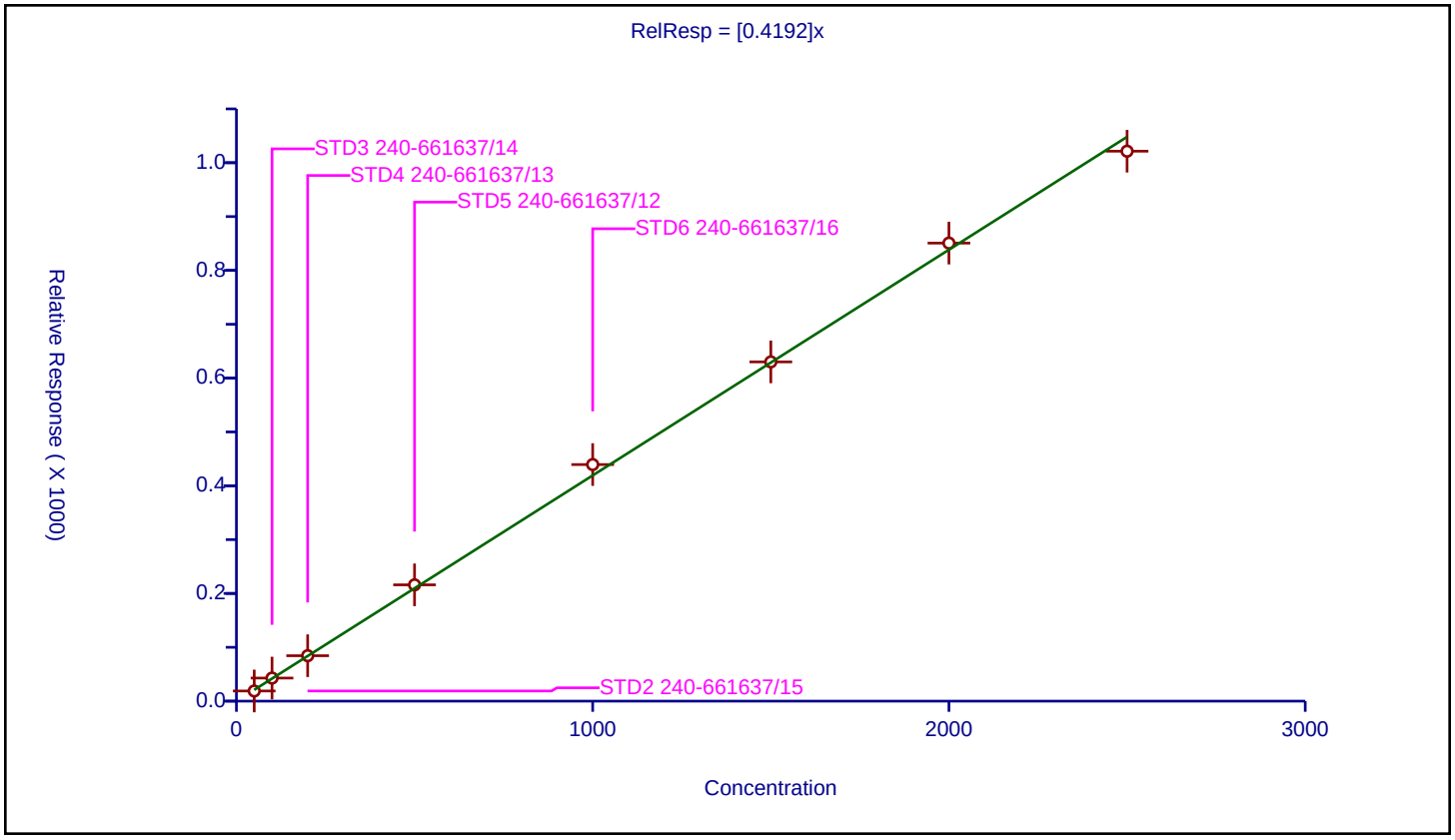
Curve Coefficients

Intercept:	0
Slope:	0.4192

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	18.887539	400.0	102925.0	0.377751	Y
2	STD3 240-661637/14	100.0	42.864006	400.0	108240.0	0.42864	Y
3	STD4 240-661637/13	200.0	84.388898	400.0	109057.0	0.421944	Y
4	STD5 240-661637/12	500.0	215.985413	400.0	105296.0	0.431971	Y
5	STD6 240-661637/16	1000.0	439.384227	400.0	101401.0	0.439384	Y
6	STD7 240-661637/17	1500.0	630.085008	400.0	111637.0	0.420057	Y
7	STD8 240-661637/18	2000.0	850.749202	400.0	113988.0	0.425375	Y
8	STD9 240-661637/19	2500.0	1021.45904	400.0	118859.0	0.408584	Y



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Calibration / N-Nitrosopyrrolidine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

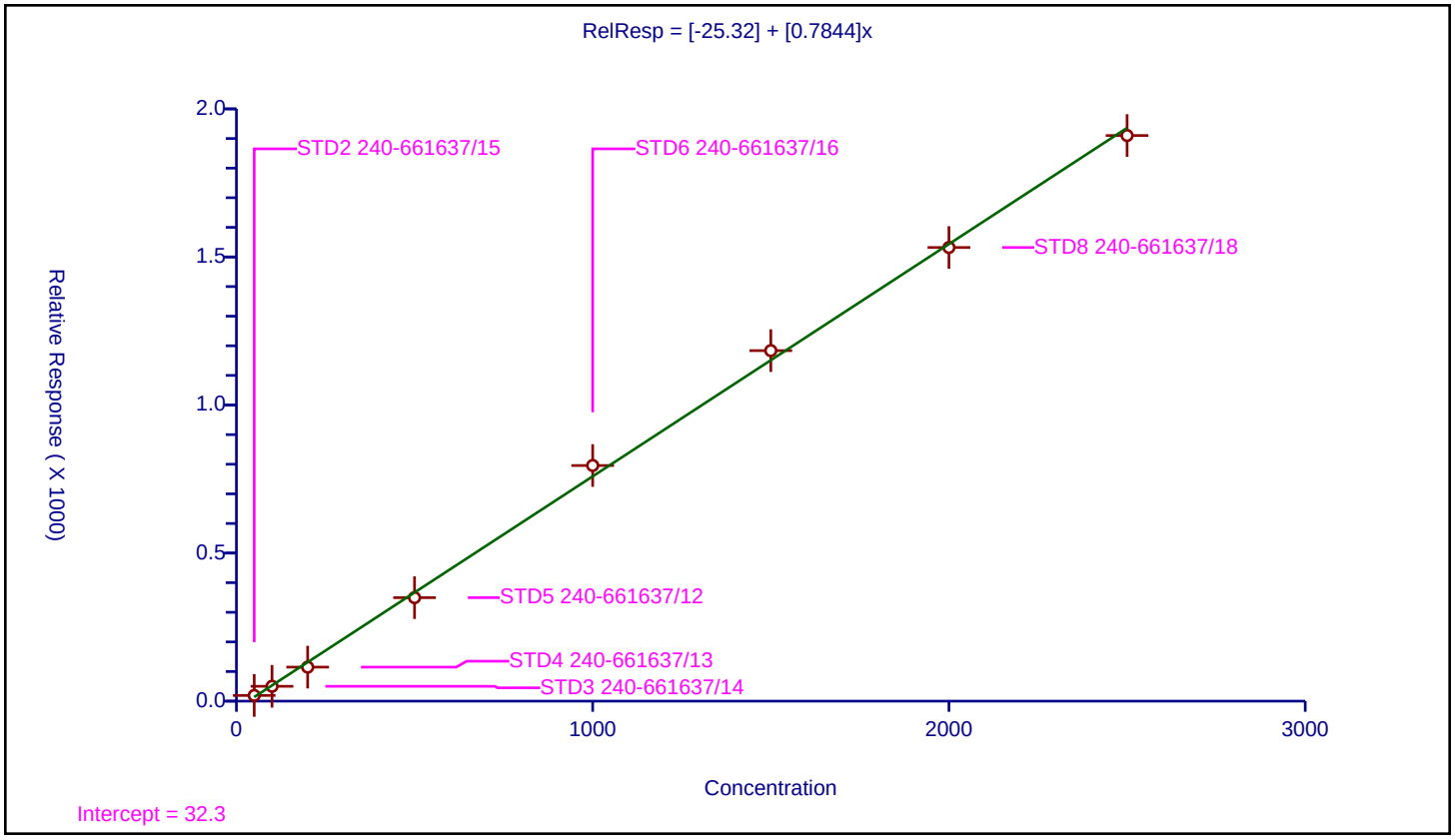
Curve Coefficients

Intercept:	-25.32
Slope:	0.7844

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	19.202332	400.0	102925.0	0.384047	Y
2	STD3 240-661637/14	100.0	50.11456	400.0	108240.0	0.501146	Y
3	STD4 240-661637/13	200.0	114.890378	400.0	109057.0	0.574452	Y
4	STD5 240-661637/12	500.0	349.48716	400.0	105296.0	0.698974	Y
5	STD6 240-661637/16	1000.0	795.664737	400.0	101401.0	0.795665	Y
6	STD7 240-661637/17	1500.0	1183.661331	400.0	111637.0	0.789108	Y
7	STD8 240-661637/18	2000.0	1531.954241	400.0	113988.0	0.765977	Y
8	STD9 240-661637/19	2500.0	1910.058136	400.0	118859.0	0.764023	Y



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Calibration / N-Nitrosomorpholine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

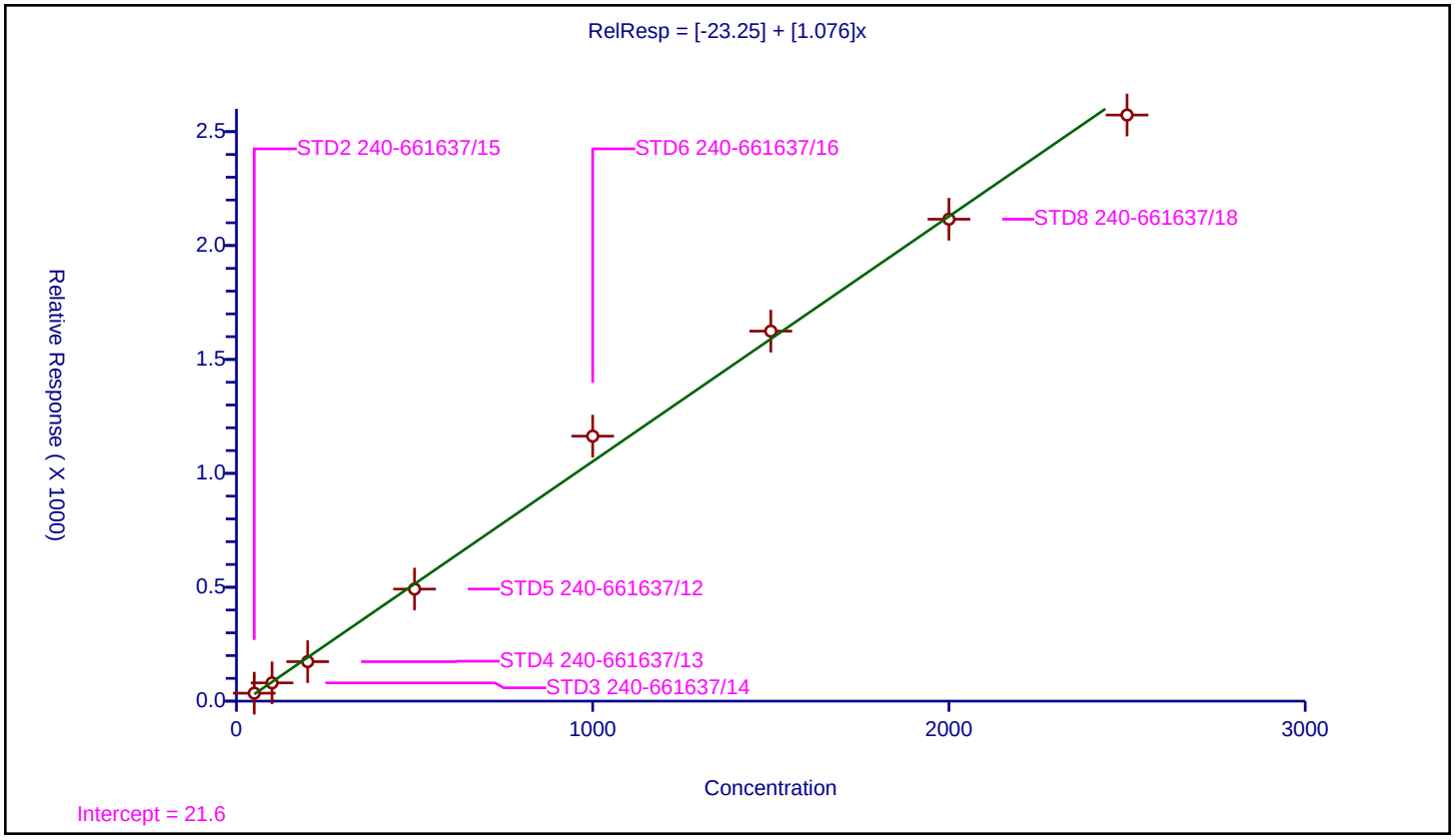
Curve Coefficients

Intercept:	-23.25
Slope:	1.076

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	34.91863	400.0	102925.0	0.698373	Y
2	STD3 240-661637/14	100.0	80.181079	400.0	108240.0	0.801811	Y
3	STD4 240-661637/13	200.0	173.35155	400.0	109057.0	0.866758	Y
4	STD5 240-661637/12	500.0	492.011093	400.0	105296.0	0.984022	Y
5	STD6 240-661637/16	1000.0	1163.294248	400.0	101401.0	1.163294	Y
6	STD7 240-661637/17	1500.0	1624.389763	400.0	111637.0	1.082927	Y
7	STD8 240-661637/18	2000.0	2115.727971	400.0	113988.0	1.057864	Y
8	STD9 240-661637/19	2500.0	2573.11268	400.0	118859.0	1.029245	Y



Calibration / 2-Toluidine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

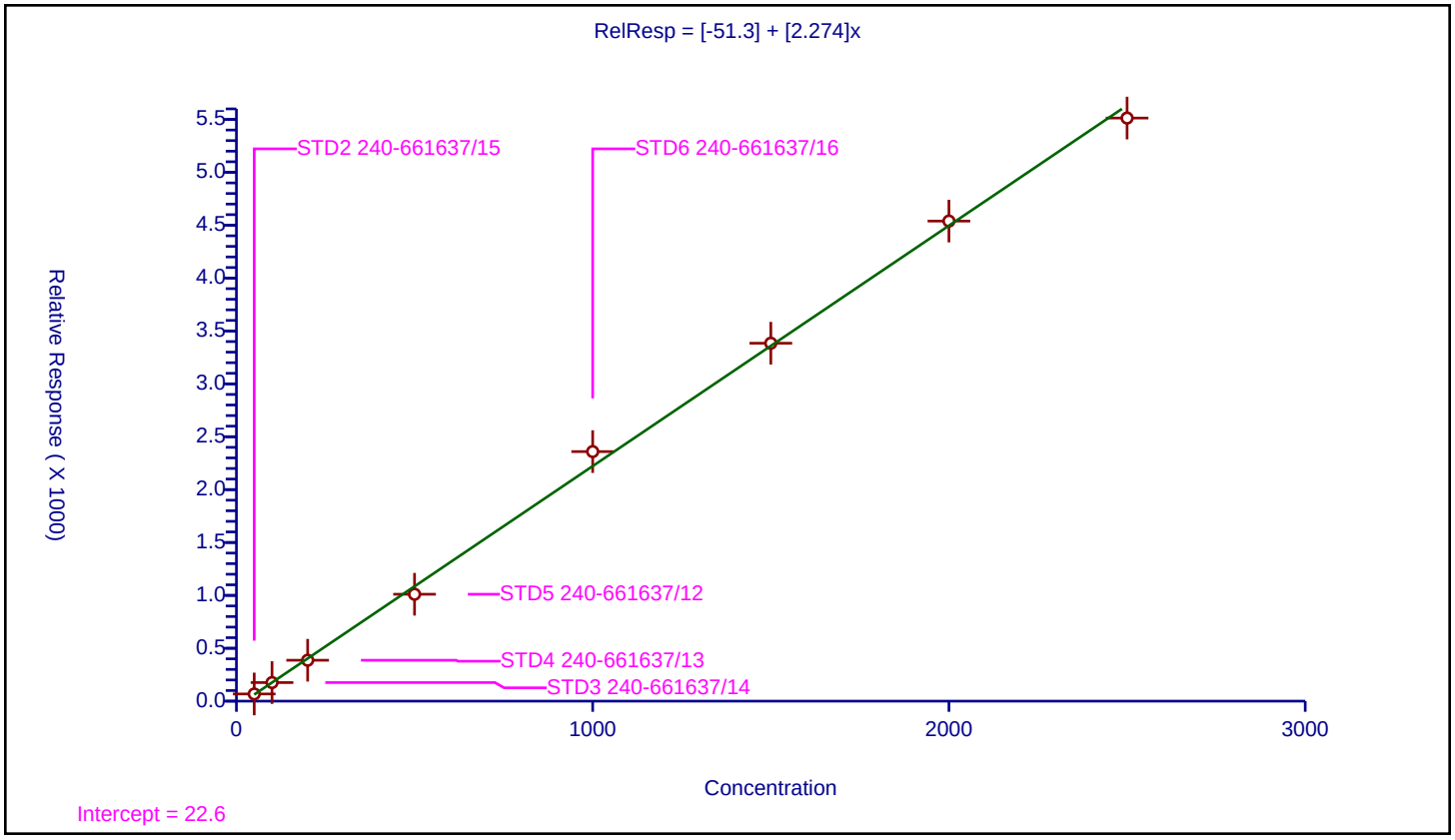
Curve Coefficients

Intercept:	-51.3
Slope:	2.274

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	67.874666	400.0	102925.0	1.357493	Y
2	STD3 240-661637/14	100.0	175.539542	400.0	108240.0	1.755395	Y
3	STD4 240-661637/13	200.0	386.766553	400.0	109057.0	1.933833	Y
4	STD5 240-661637/12	500.0	1010.872208	400.0	105296.0	2.021744	Y
5	STD6 240-661637/16	1000.0	2359.601976	400.0	101401.0	2.359602	Y
6	STD7 240-661637/17	1500.0	3384.275823	400.0	111637.0	2.256184	Y
7	STD8 240-661637/18	2000.0	4539.218163	400.0	113988.0	2.269609	Y
8	STD9 240-661637/19	2500.0	5513.490775	400.0	118859.0	2.205396	Y



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Calibration / N-Nitrosopiperidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

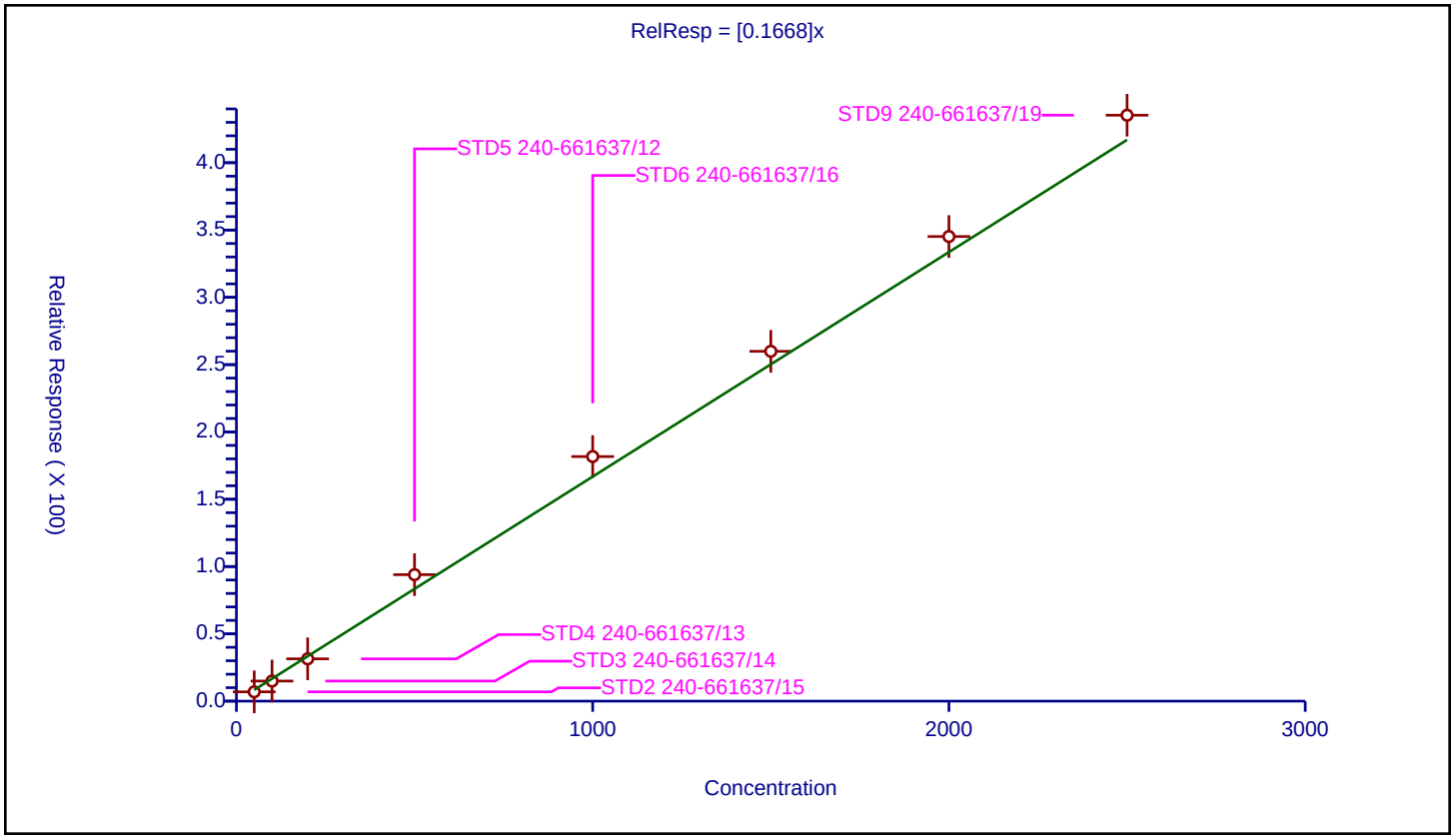
Curve Coefficients

Intercept:	0
Slope:	0.1668

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	6.921277	400.0	356466.0	0.138426	Y
2	STD3 240-661637/14	100.0	14.929012	400.0	410985.0	0.14929	Y
3	STD4 240-661637/13	200.0	31.428723	400.0	432827.0	0.157144	Y
4	STD5 240-661637/12	500.0	93.951518	400.0	415410.0	0.187903	Y
5	STD6 240-661637/16	1000.0	181.708165	400.0	470341.0	0.181708	Y
6	STD7 240-661637/17	1500.0	259.90324	400.0	510333.0	0.173269	Y
7	STD8 240-661637/18	2000.0	345.170238	400.0	511226.0	0.172585	Y
8	STD9 240-661637/19	2500.0	435.288104	400.0	526217.0	0.174115	Y



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Calibration / o,o',o''-Triethylphosphorothioate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

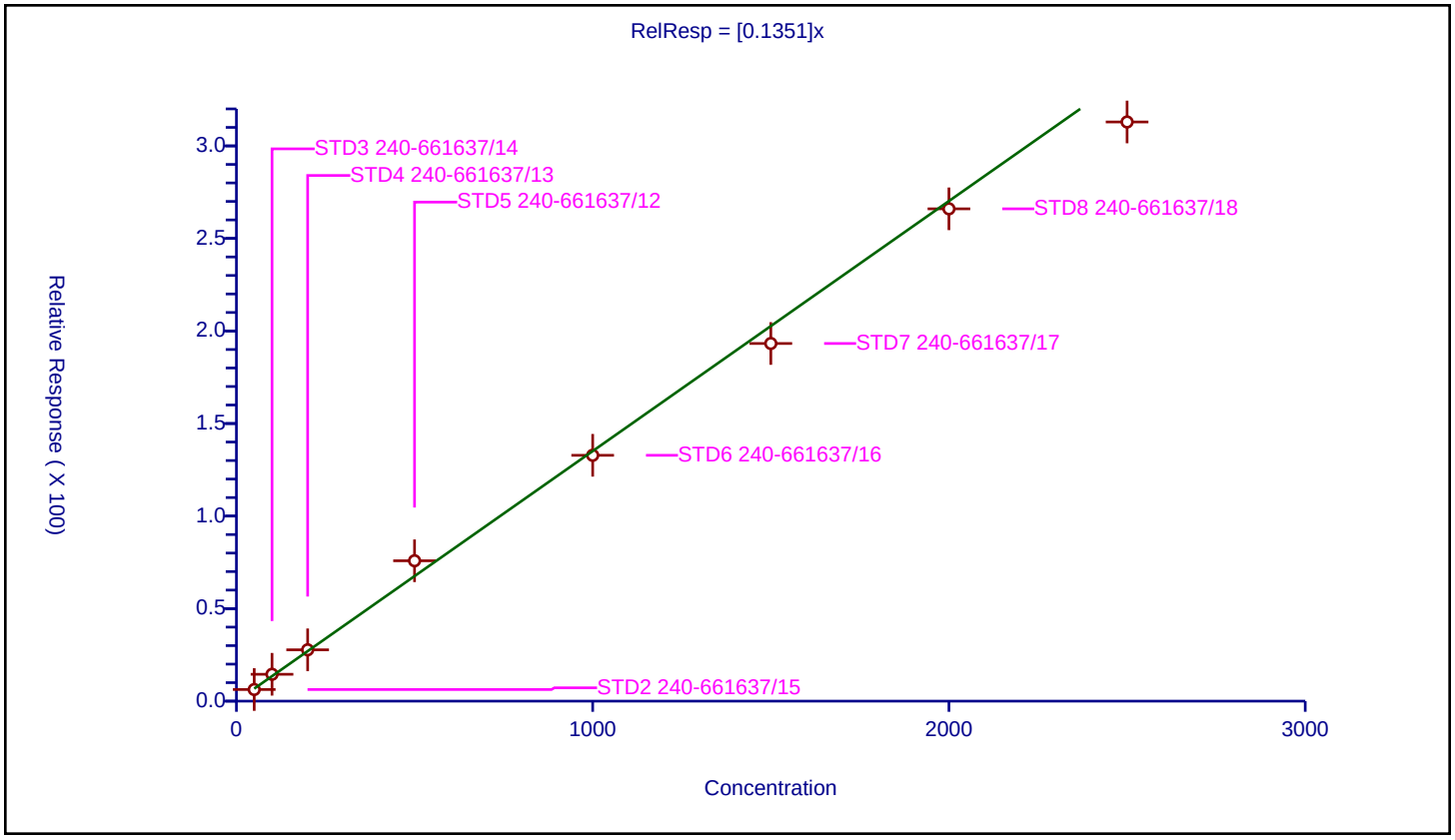
Curve Coefficients

Intercept:	0
Slope:	0.1351

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	6.274932	400.0	356466.0	0.125499	Y
2	STD3 240-661637/14	100.0	14.510505	400.0	410985.0	0.145105	Y
3	STD4 240-661637/13	200.0	27.735793	400.0	432827.0	0.138679	Y
4	STD5 240-661637/12	500.0	75.851809	400.0	415410.0	0.151704	Y
5	STD6 240-661637/16	1000.0	132.827034	400.0	470341.0	0.132827	Y
6	STD7 240-661637/17	1500.0	193.248722	400.0	510333.0	0.128832	Y
7	STD8 240-661637/18	2000.0	266.000556	400.0	511226.0	0.133	Y
8	STD9 240-661637/19	2500.0	312.928697	400.0	526217.0	0.125171	Y



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Calibration / alpha,alpha-Dimethyl phenethylamine

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

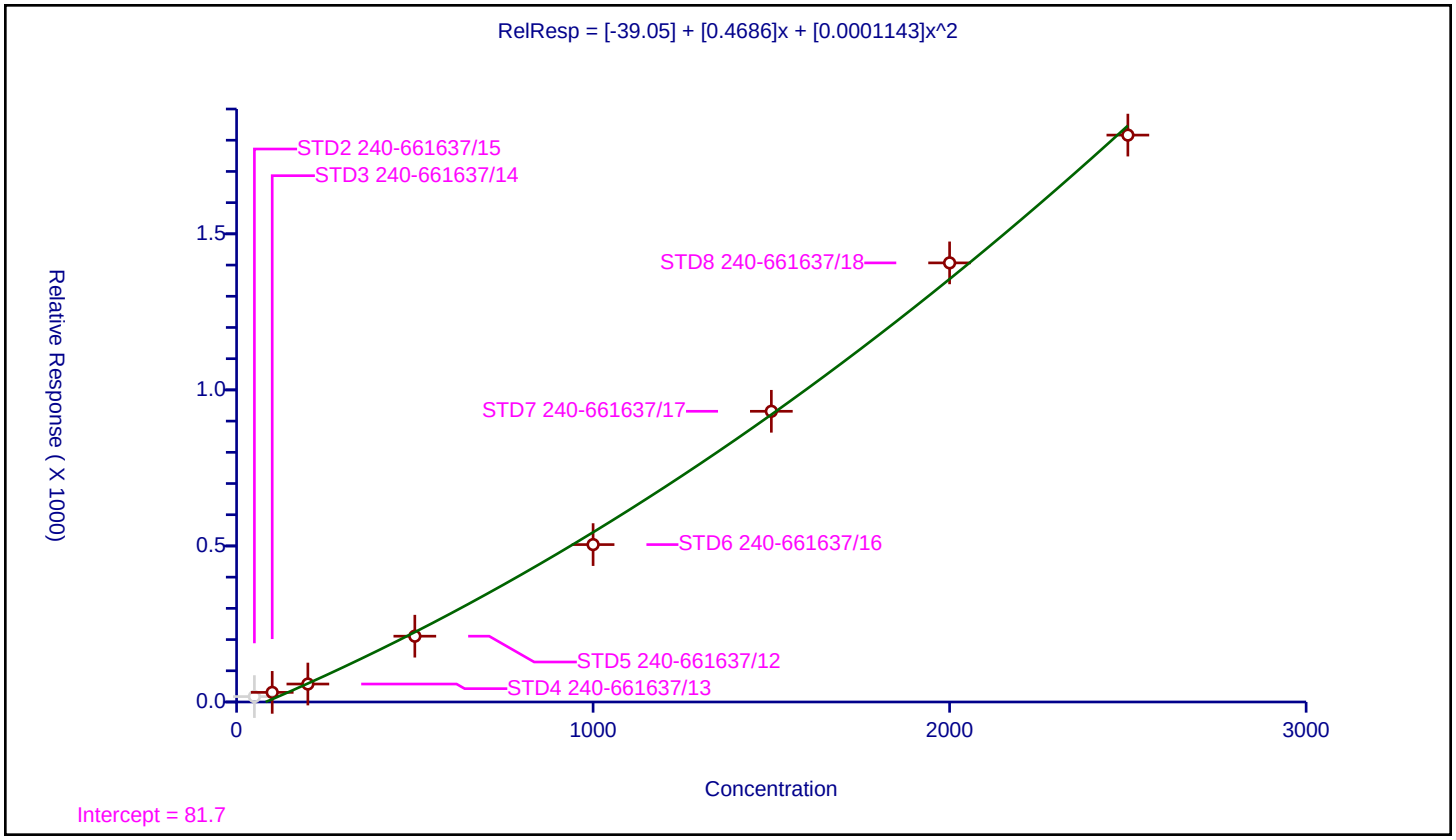
Curve Coefficients

Intercept:	-39.05
Slope:	0.4686
Second Order:	0.0001143

Error Coefficients

Relative Standard Deviation:	22.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	17.318903	400.0	356466.0	0.346378	N
2	STD3 240-661637/14	100.0	30.827402	400.0	410985.0	0.308274	Y
3	STD4 240-661637/13	200.0	57.529683	400.0	432827.0	0.287648	Y
4	STD5 240-661637/12	500.0	210.864447	400.0	415410.0	0.421729	Y
5	STD6 240-661637/16	1000.0	504.372785	400.0	470341.0	0.504373	Y
6	STD7 240-661637/17	1500.0	931.503156	400.0	510333.0	0.621002	Y
7	STD8 240-661637/18	2000.0	1406.939397	400.0	511226.0	0.70347	Y
8	STD9 240-661637/19	2500.0	1816.46203	400.0	526217.0	0.726585	Y



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Calibration / Hexachloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

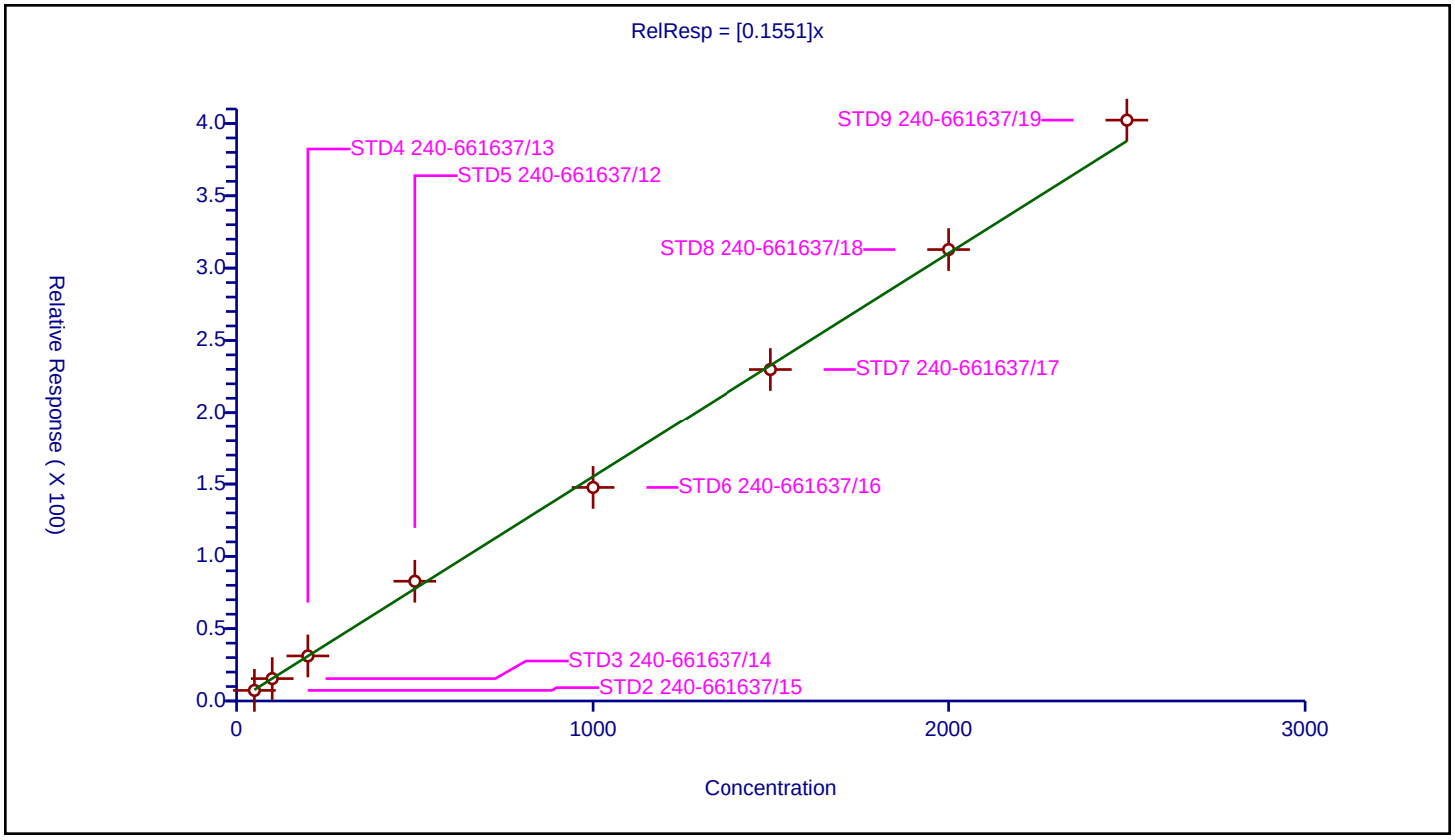
Curve Coefficients

Intercept:	0
Slope:	0.1551

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	7.33422	400.0	356466.0	0.146684	Y
2	STD3 240-661637/14	100.0	15.48767	400.0	410985.0	0.154877	Y
3	STD4 240-661637/13	200.0	31.148704	400.0	432827.0	0.155744	Y
4	STD5 240-661637/12	500.0	82.797236	400.0	415410.0	0.165594	Y
5	STD6 240-661637/16	1000.0	147.667331	400.0	470341.0	0.147667	Y
6	STD7 240-661637/17	1500.0	229.868733	400.0	510333.0	0.153246	Y
7	STD8 240-661637/18	2000.0	312.838549	400.0	511226.0	0.156419	Y
8	STD9 240-661637/19	2500.0	402.306273	400.0	526217.0	0.160923	Y



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Calibration / Quinoline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

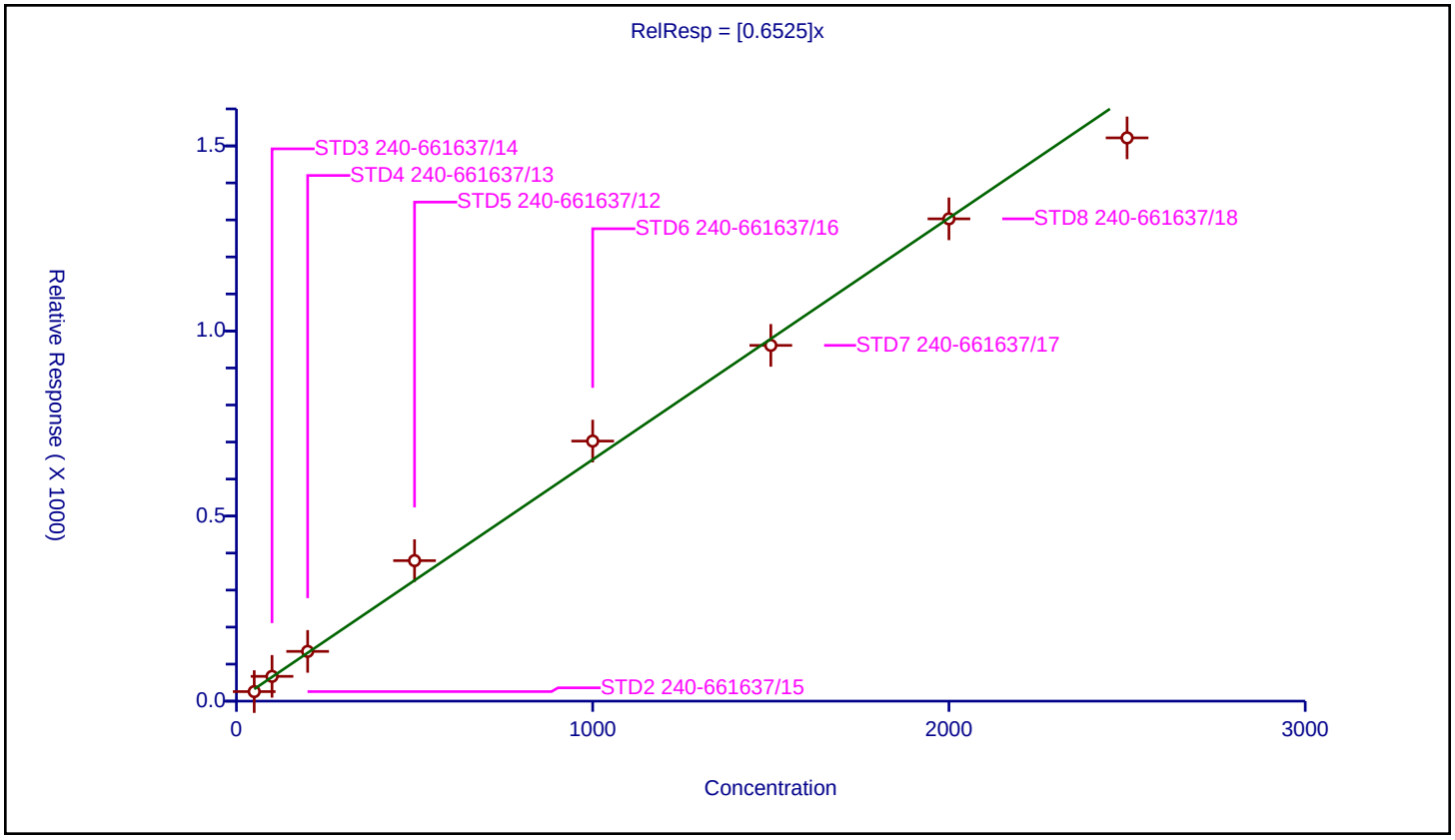
Curve Coefficients

Intercept:	0
Slope:	0.6525

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	25.815646	400.0	356466.0	0.516313	Y
2	STD3 240-661637/14	100.0	66.932856	400.0	410985.0	0.669329	Y
3	STD4 240-661637/13	200.0	134.405663	400.0	432827.0	0.672028	Y
4	STD5 240-661637/12	500.0	379.625912	400.0	415410.0	0.759252	Y
5	STD6 240-661637/16	1000.0	702.557506	400.0	470341.0	0.702558	Y
6	STD7 240-661637/17	1500.0	961.088544	400.0	510333.0	0.640726	Y
7	STD8 240-661637/18	2000.0	1303.001804	400.0	511226.0	0.651501	Y
8	STD9 240-661637/19	2500.0	1521.706824	400.0	526217.0	0.608683	Y



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Calibration / N-Nitrosodi-n-butylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

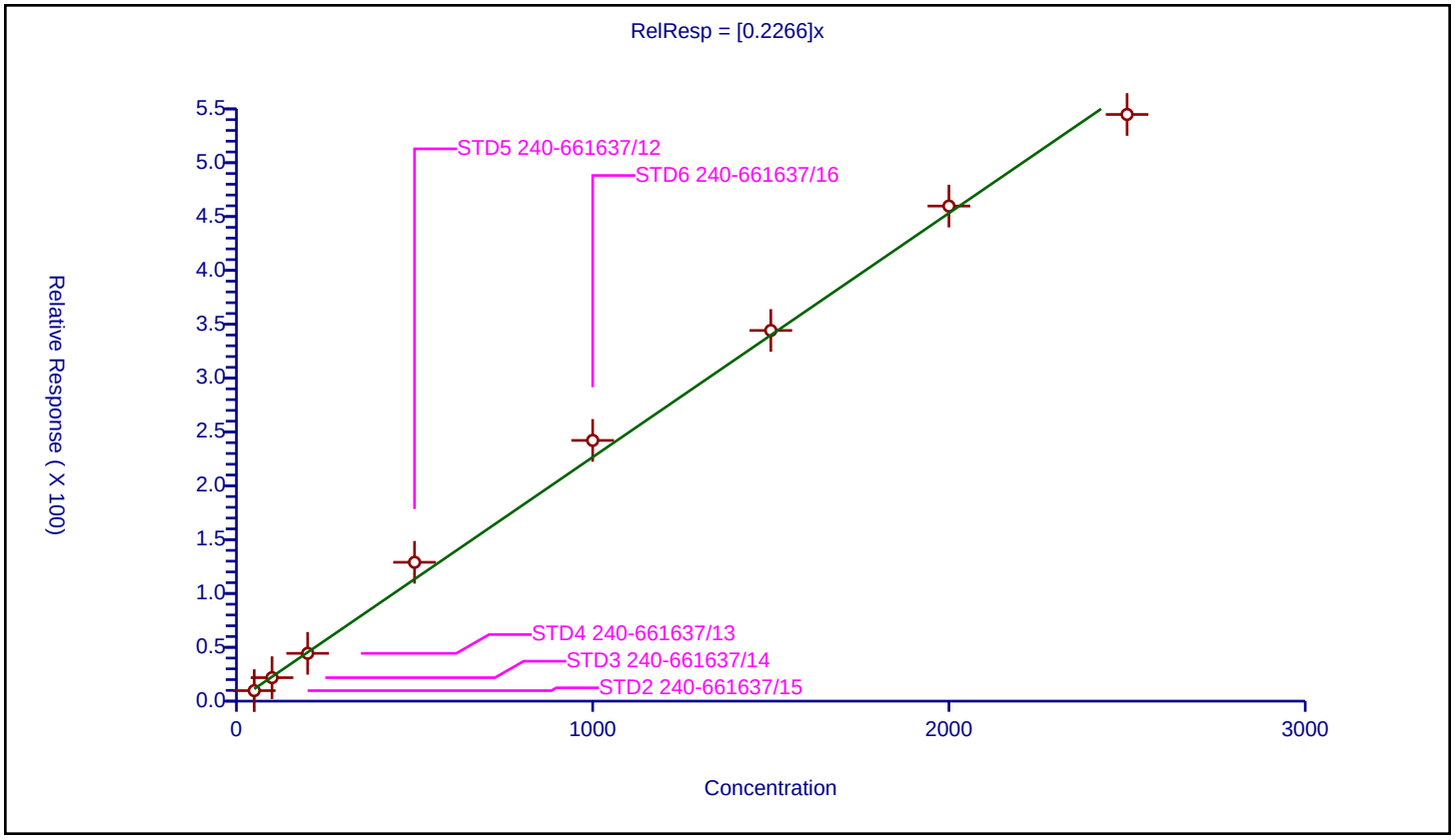
Curve Coefficients

Intercept:	0
Slope:	0.2266

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	9.765868	400.0	356466.0	0.195317	Y
2	STD3 240-661637/14	100.0	21.814908	400.0	410985.0	0.218149	Y
3	STD4 240-661637/13	200.0	44.382629	400.0	432827.0	0.221913	Y
4	STD5 240-661637/12	500.0	128.948268	400.0	415410.0	0.257897	Y
5	STD6 240-661637/16	1000.0	242.142616	400.0	470341.0	0.242143	Y
6	STD7 240-661637/17	1500.0	344.244248	400.0	510333.0	0.229496	Y
7	STD8 240-661637/18	2000.0	459.770825	400.0	511226.0	0.229885	Y
8	STD9 240-661637/19	2500.0	544.818582	400.0	526217.0	0.217927	Y



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Calibration / p-Phenylene diamine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

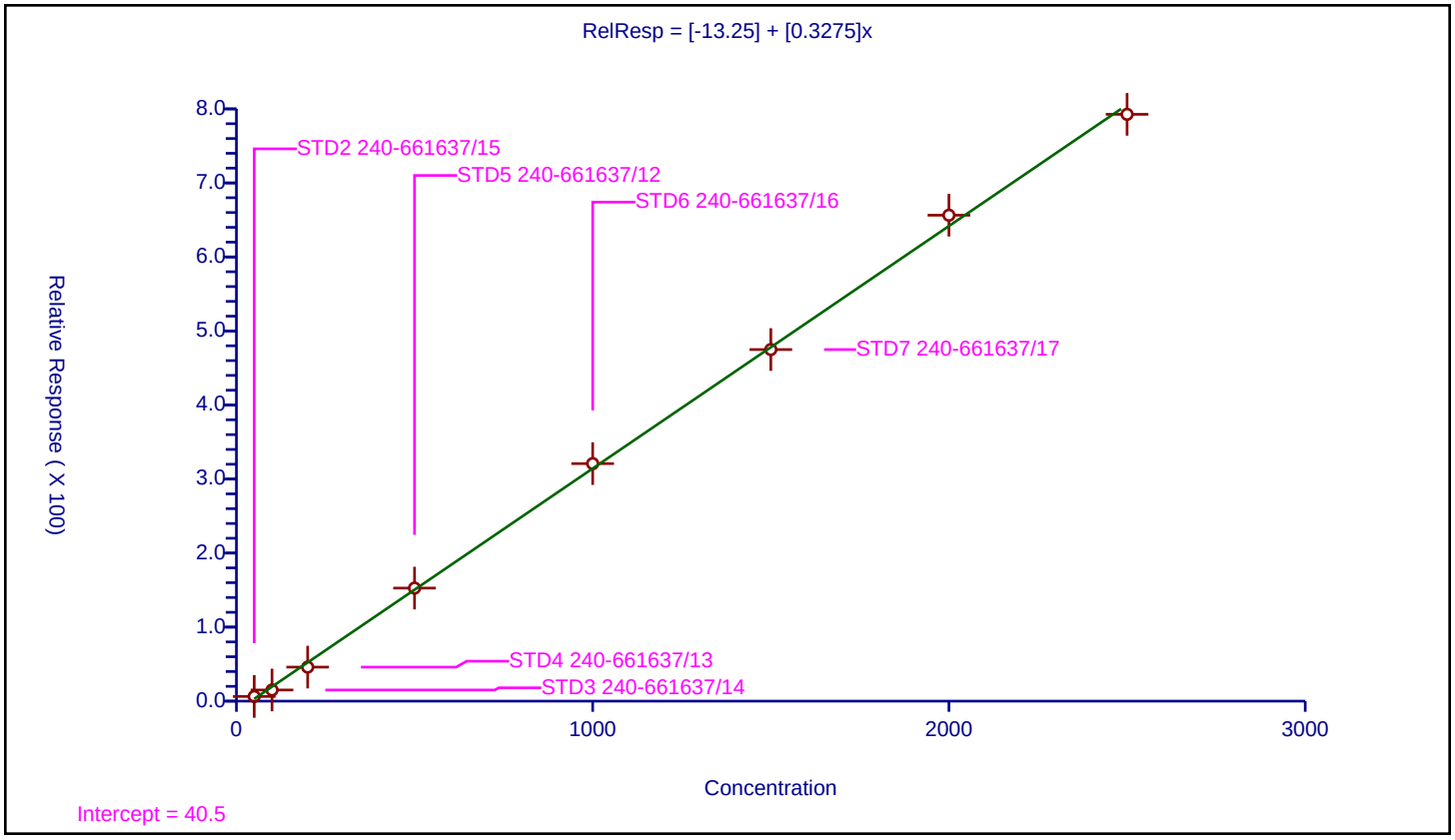
Curve Coefficients

Intercept:	-13.25
Slope:	0.3275

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	6.356847	400.0	356466.0	0.127137	Y
2	STD3 240-661637/14	100.0	15.06527	400.0	410985.0	0.150653	Y
3	STD4 240-661637/13	200.0	45.975875	400.0	432827.0	0.229879	Y
4	STD5 240-661637/12	500.0	152.686743	400.0	415410.0	0.305373	Y
5	STD6 240-661637/16	1000.0	320.867626	400.0	470341.0	0.320868	Y
6	STD7 240-661637/17	1500.0	474.907952	400.0	510333.0	0.316605	Y
7	STD8 240-661637/18	2000.0	656.386021	400.0	511226.0	0.328193	Y
8	STD9 240-661637/19	2500.0	792.658542	400.0	526217.0	0.317063	Y



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Calibration / Safrole, Total

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

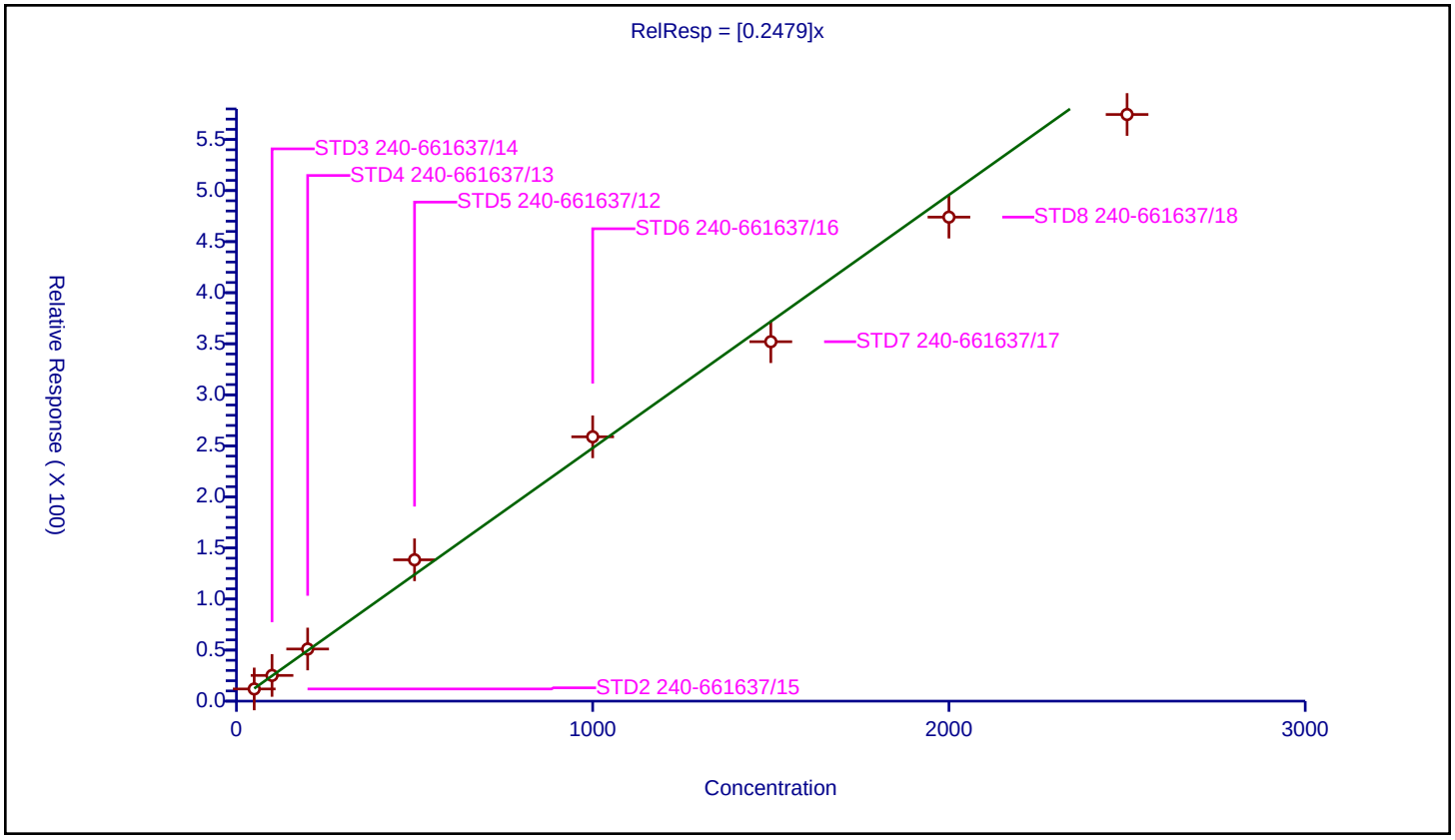
Curve Coefficients

Intercept:	0
Slope:	0.2479

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	11.934939	400.0	356466.0	0.238699	Y
2	STD3 240-661637/14	100.0	25.185347	400.0	410985.0	0.251853	Y
3	STD4 240-661637/13	200.0	51.05042	400.0	432827.0	0.255252	Y
4	STD5 240-661637/12	500.0	138.415541	400.0	415410.0	0.276831	Y
5	STD6 240-661637/16	1000.0	258.867503	400.0	470341.0	0.258868	Y
6	STD7 240-661637/17	1500.0	352.000752	400.0	510333.0	0.234667	Y
7	STD8 240-661637/18	2000.0	474.005626	400.0	511226.0	0.237003	Y
8	STD9 240-661637/19	2500.0	574.515076	400.0	526217.0	0.229806	Y



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Calibration / Isosafrole Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

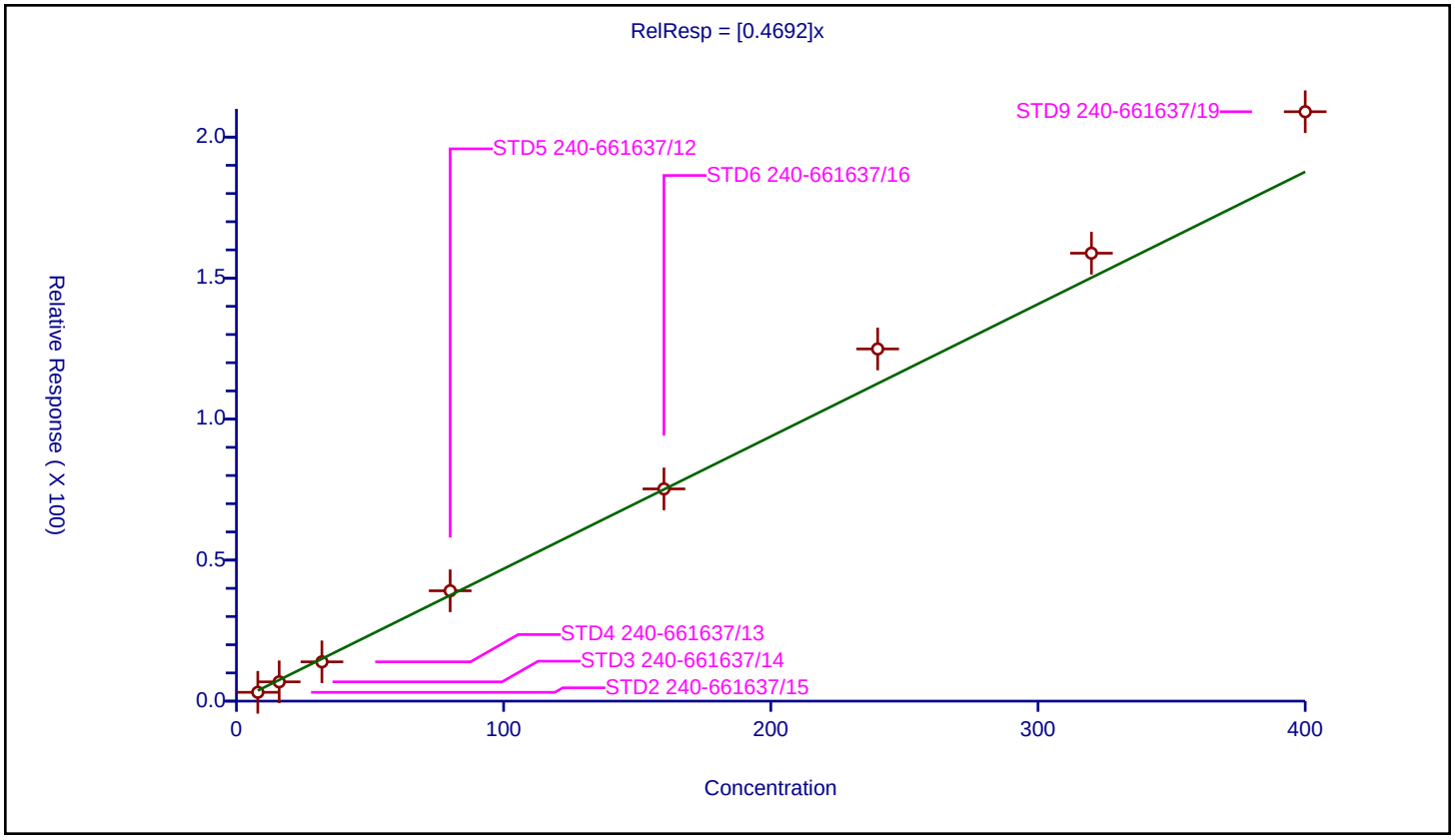
Curve Coefficients

Intercept:	0
Slope:	0.4692

Error Coefficients

Relative Standard Deviation:	10.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	8.0	3.135316	400.0	238700.0	0.391915	Y
2	STD3 240-661637/14	16.0	6.843218	400.0	257715.0	0.427701	Y
3	STD4 240-661637/13	32.0	13.938067	400.0	262992.0	0.435565	Y
4	STD5 240-661637/12	80.0	39.128542	400.0	252726.0	0.489107	Y
5	STD6 240-661637/16	160.0	75.24934	400.0	266203.0	0.470308	Y
6	STD7 240-661637/17	240.0	124.884679	400.0	270765.0	0.520353	Y
7	STD8 240-661637/18	320.0	158.829623	400.0	280935.0	0.496343	Y
8	STD9 240-661637/19	400.0	208.99649	400.0	275752.0	0.522491	Y



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Calibration / Isosafrole Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

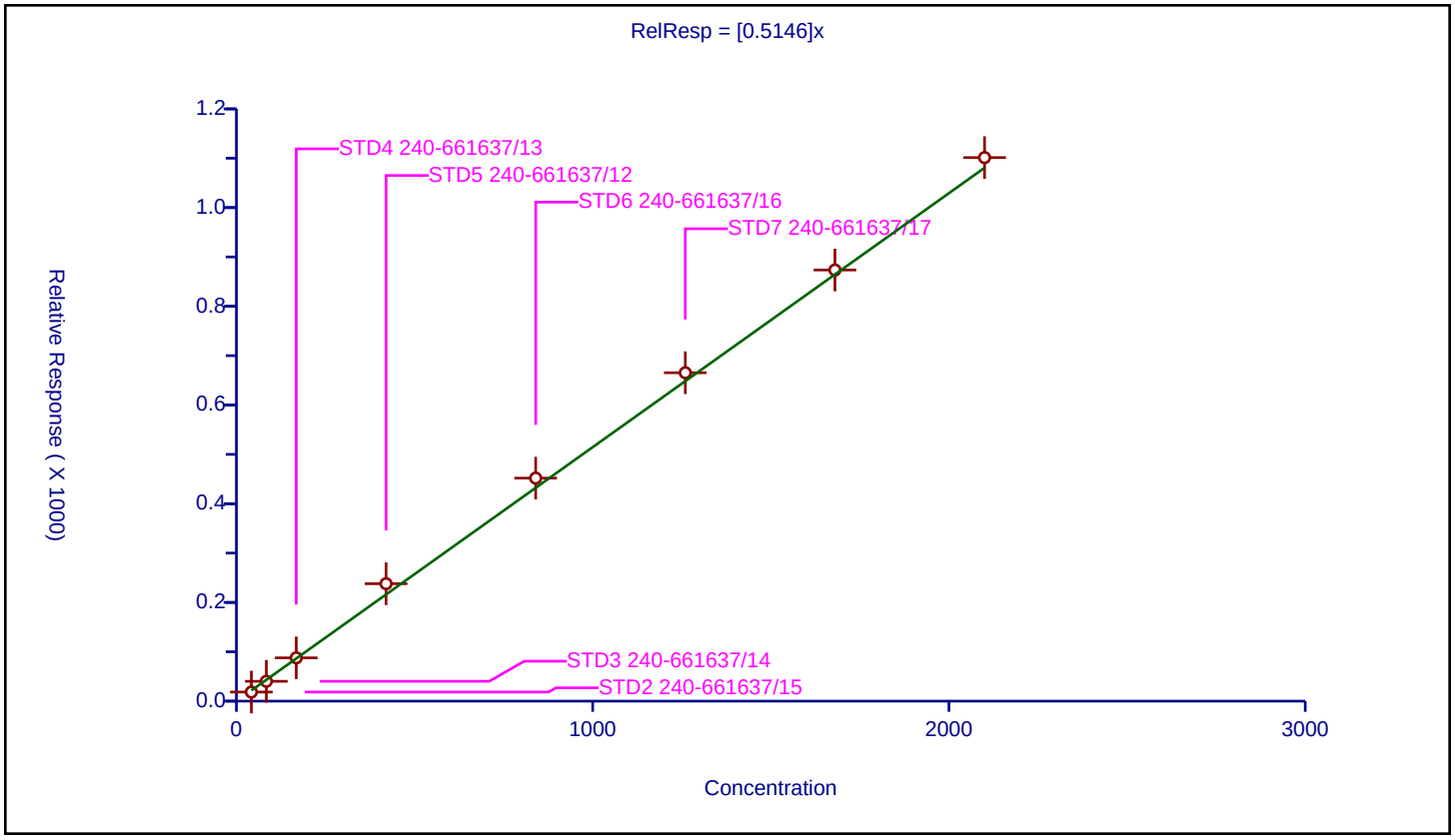
Curve Coefficients

Intercept:	0
Slope:	0.5146

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	42.0	18.404692	400.0	238700.0	0.438207	Y
2	STD3 240-661637/14	84.0	40.256873	400.0	257715.0	0.479248	Y
3	STD4 240-661637/13	168.0	87.745635	400.0	262992.0	0.522295	Y
4	STD5 240-661637/12	420.0	237.944652	400.0	252726.0	0.566535	Y
5	STD6 240-661637/16	840.0	451.871692	400.0	266203.0	0.537942	Y
6	STD7 240-661637/17	1260.0	665.374033	400.0	270765.0	0.528075	Y
7	STD8 240-661637/18	1680.0	873.550109	400.0	280935.0	0.51997	Y
8	STD9 240-661637/19	2100.0	1101.312774	400.0	275752.0	0.524435	Y



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Calibration / 1,4-Naphthoquinone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

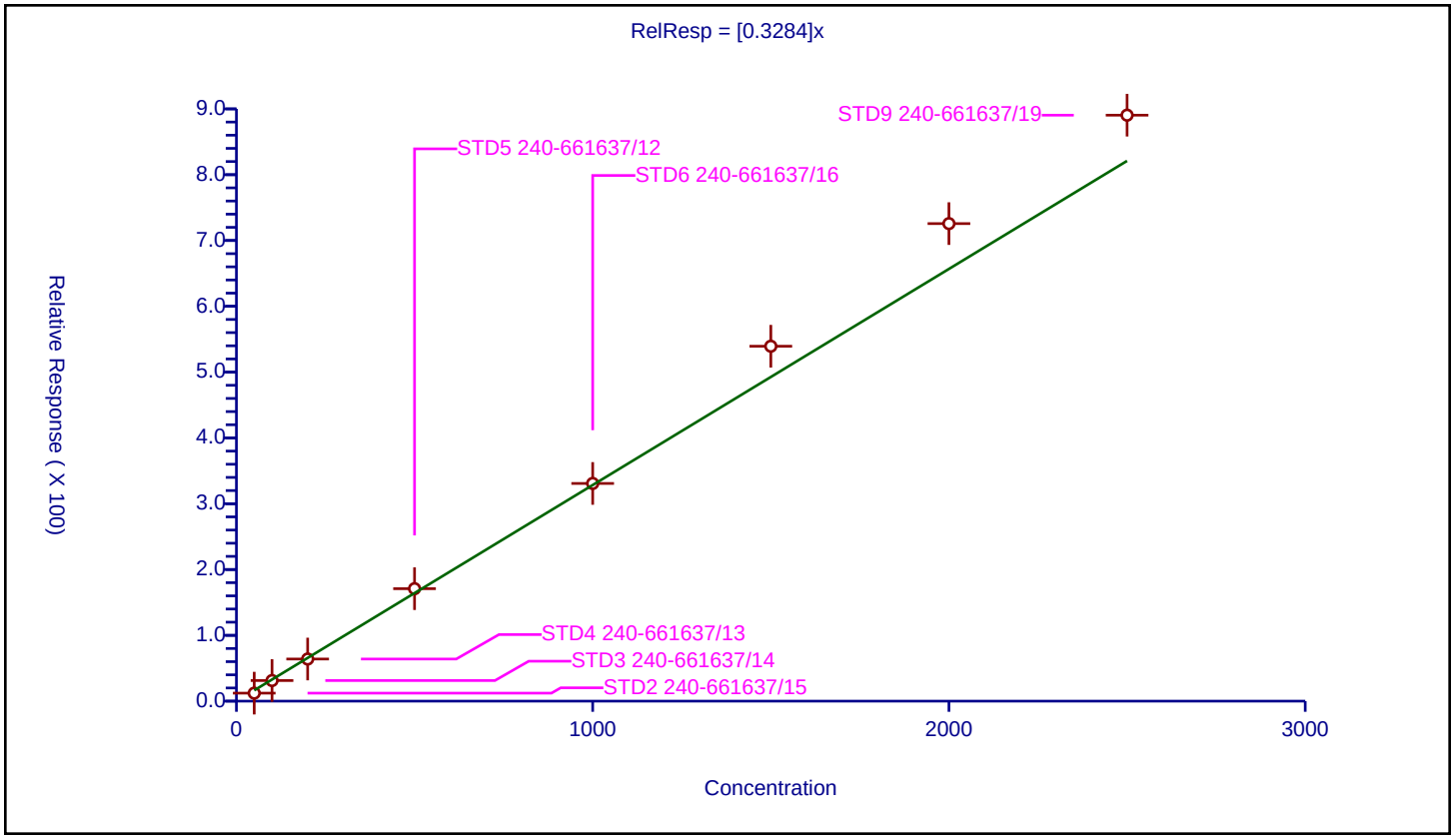
Curve Coefficients

Intercept:	0
Slope:	0.3284

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	12.152493	400.0	238700.0	0.24305	Y
2	STD3 240-661637/14	100.0	31.291931	400.0	257715.0	0.312919	Y
3	STD4 240-661637/13	200.0	64.00651	400.0	262992.0	0.320033	Y
4	STD5 240-661637/12	500.0	170.902875	400.0	252726.0	0.341806	Y
5	STD6 240-661637/16	1000.0	330.816708	400.0	266203.0	0.330817	Y
6	STD7 240-661637/17	1500.0	539.325245	400.0	270765.0	0.35955	Y
7	STD8 240-661637/18	2000.0	725.665367	400.0	280935.0	0.362833	Y
8	STD9 240-661637/19	2500.0	890.458093	400.0	275752.0	0.356183	Y



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Calibration / 1,4-Dinitrobenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

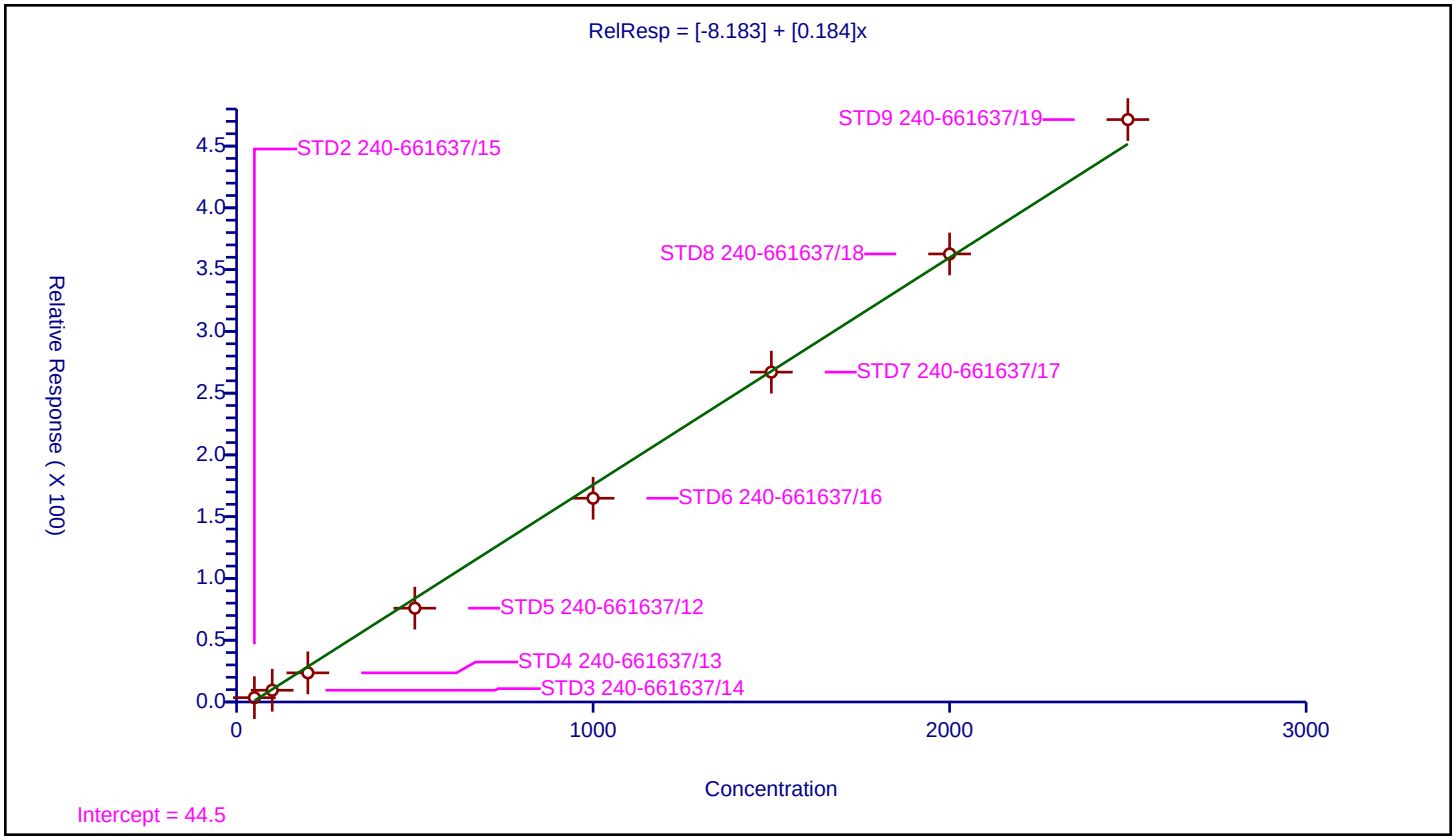
Curve Coefficients

Intercept:	-8.183
Slope:	0.184

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	3.509007	400.0	238700.0	0.07018	Y
2	STD3 240-661637/14	100.0	9.506626	400.0	257715.0	0.095066	Y
3	STD4 240-661637/13	200.0	23.585508	400.0	262992.0	0.117928	Y
4	STD5 240-661637/12	500.0	75.922541	400.0	252726.0	0.151845	Y
5	STD6 240-661637/16	1000.0	164.931274	400.0	266203.0	0.164931	Y
6	STD7 240-661637/17	1500.0	267.012354	400.0	270765.0	0.178008	Y
7	STD8 240-661637/18	2000.0	362.677488	400.0	280935.0	0.181339	Y
8	STD9 240-661637/19	2500.0	471.456961	400.0	275752.0	0.188583	Y



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Calibration / Pentachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

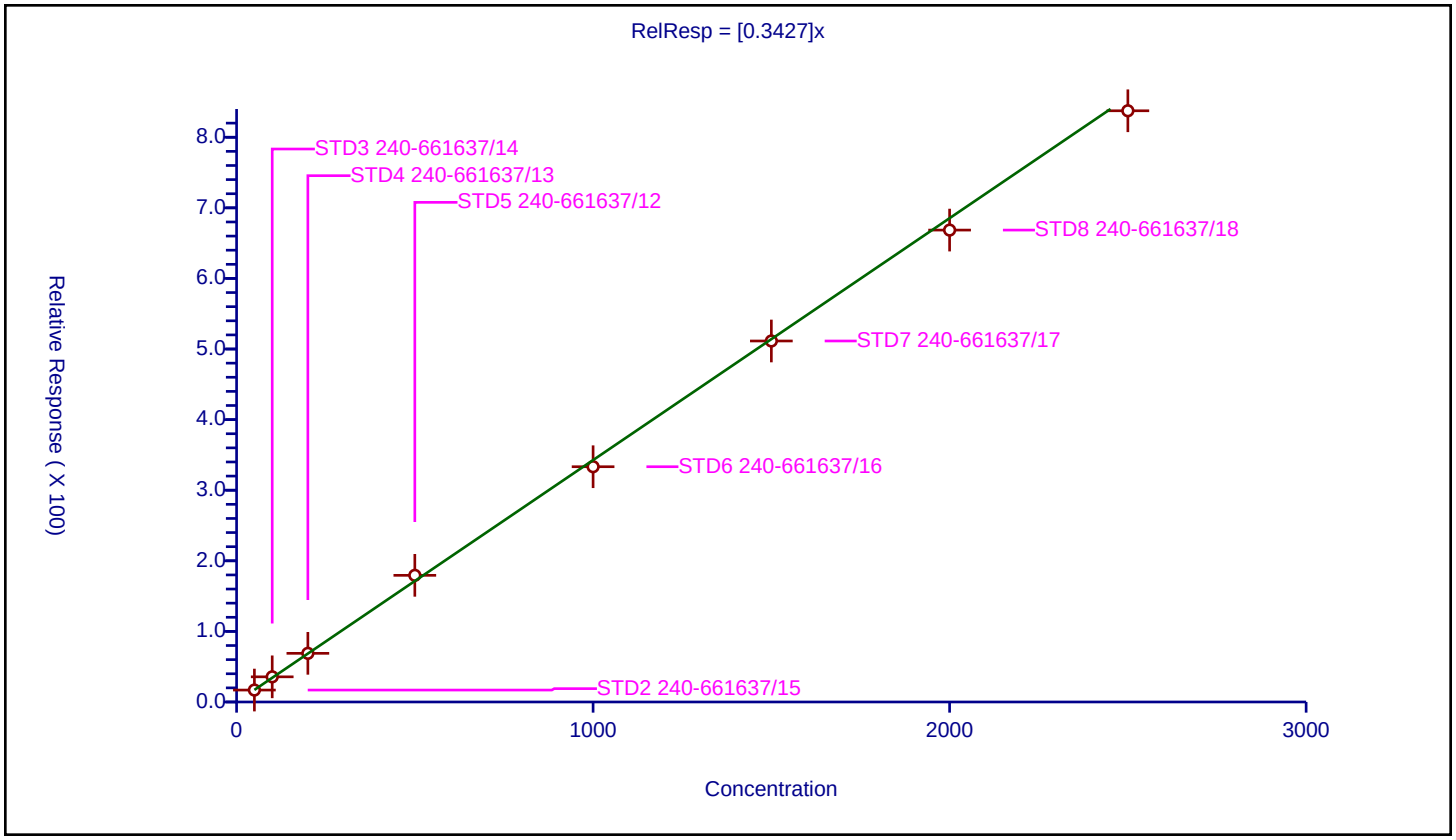
Curve Coefficients

Intercept:	0
Slope:	0.3427

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	16.914956	400.0	238700.0	0.338299	Y
2	STD3 240-661637/14	100.0	35.628504	400.0	257715.0	0.356285	Y
3	STD4 240-661637/13	200.0	68.903997	400.0	262992.0	0.34452	Y
4	STD5 240-661637/12	500.0	179.400616	400.0	252726.0	0.358801	Y
5	STD6 240-661637/16	1000.0	333.294516	400.0	266203.0	0.333295	Y
6	STD7 240-661637/17	1500.0	511.380718	400.0	270765.0	0.34092	Y
7	STD8 240-661637/18	2000.0	668.499119	400.0	280935.0	0.33425	Y
8	STD9 240-661637/19	2500.0	837.516319	400.0	275752.0	0.335007	Y



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Calibration / 1-Naphthylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

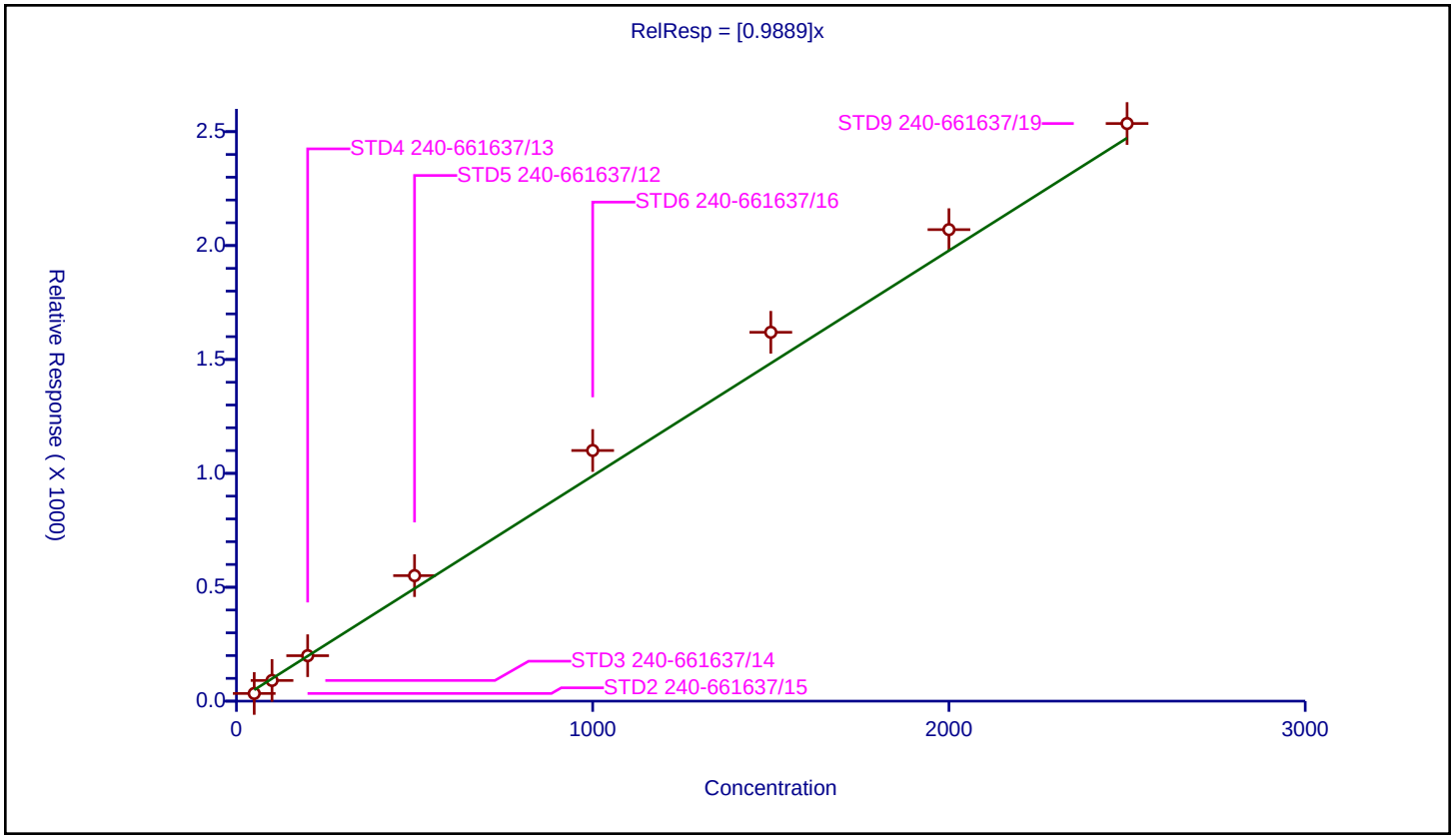
Curve Coefficients

Intercept:	0
Slope:	0.9889

Error Coefficients

Relative Standard Deviation:	14.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	33.73607	400.0	238700.0	0.674721	Y
2	STD3 240-661637/14	100.0	90.759172	400.0	257715.0	0.907592	Y
3	STD4 240-661637/13	200.0	199.57109	400.0	262992.0	0.997855	Y
4	STD5 240-661637/12	500.0	550.952415	400.0	252726.0	1.101905	Y
5	STD6 240-661637/16	1000.0	1100.328697	400.0	266203.0	1.100329	Y
6	STD7 240-661637/17	1500.0	1619.334848	400.0	270765.0	1.079557	Y
7	STD8 240-661637/18	2000.0	2069.991991	400.0	280935.0	1.034996	Y
8	STD9 240-661637/19	2500.0	2535.840901	400.0	275752.0	1.014336	Y



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Calibration / 2-Naphthylamine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

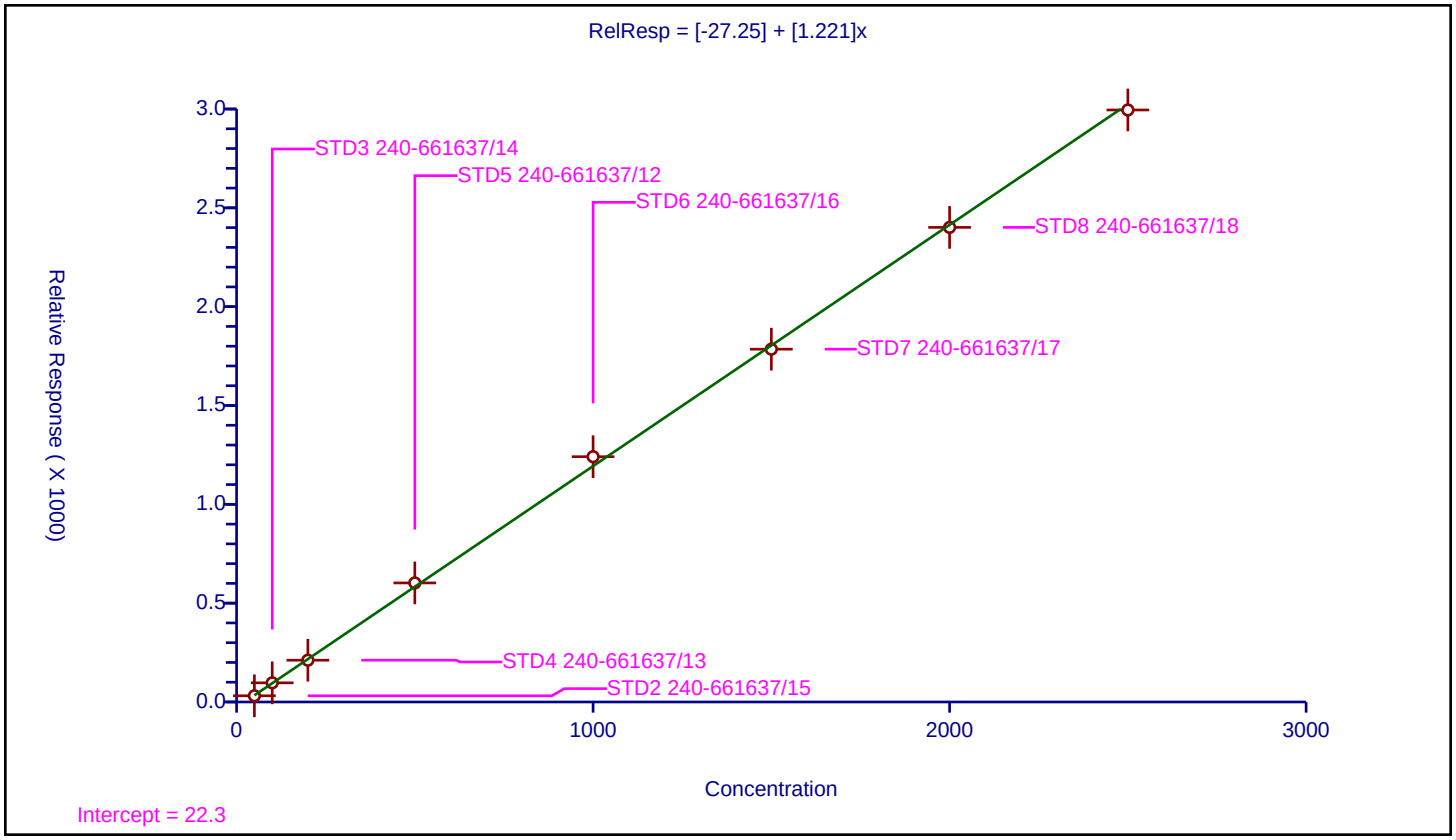
Curve Coefficients

Intercept:	-27.25
Slope:	1.221

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	31.329703	400.0	238700.0	0.626594	Y
2	STD3 240-661637/14	100.0	96.921017	400.0	257715.0	0.96921	Y
3	STD4 240-661637/13	200.0	211.387419	400.0	262992.0	1.056937	Y
4	STD5 240-661637/12	500.0	602.266486	400.0	252726.0	1.204533	Y
5	STD6 240-661637/16	1000.0	1241.010808	400.0	266203.0	1.241011	Y
6	STD7 240-661637/17	1500.0	1784.908685	400.0	270765.0	1.189939	Y
7	STD8 240-661637/18	2000.0	2401.11912	400.0	280935.0	1.20056	Y
8	STD9 240-661637/19	2500.0	2995.08689	400.0	275752.0	1.198035	Y



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Calibration / Thionazin

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

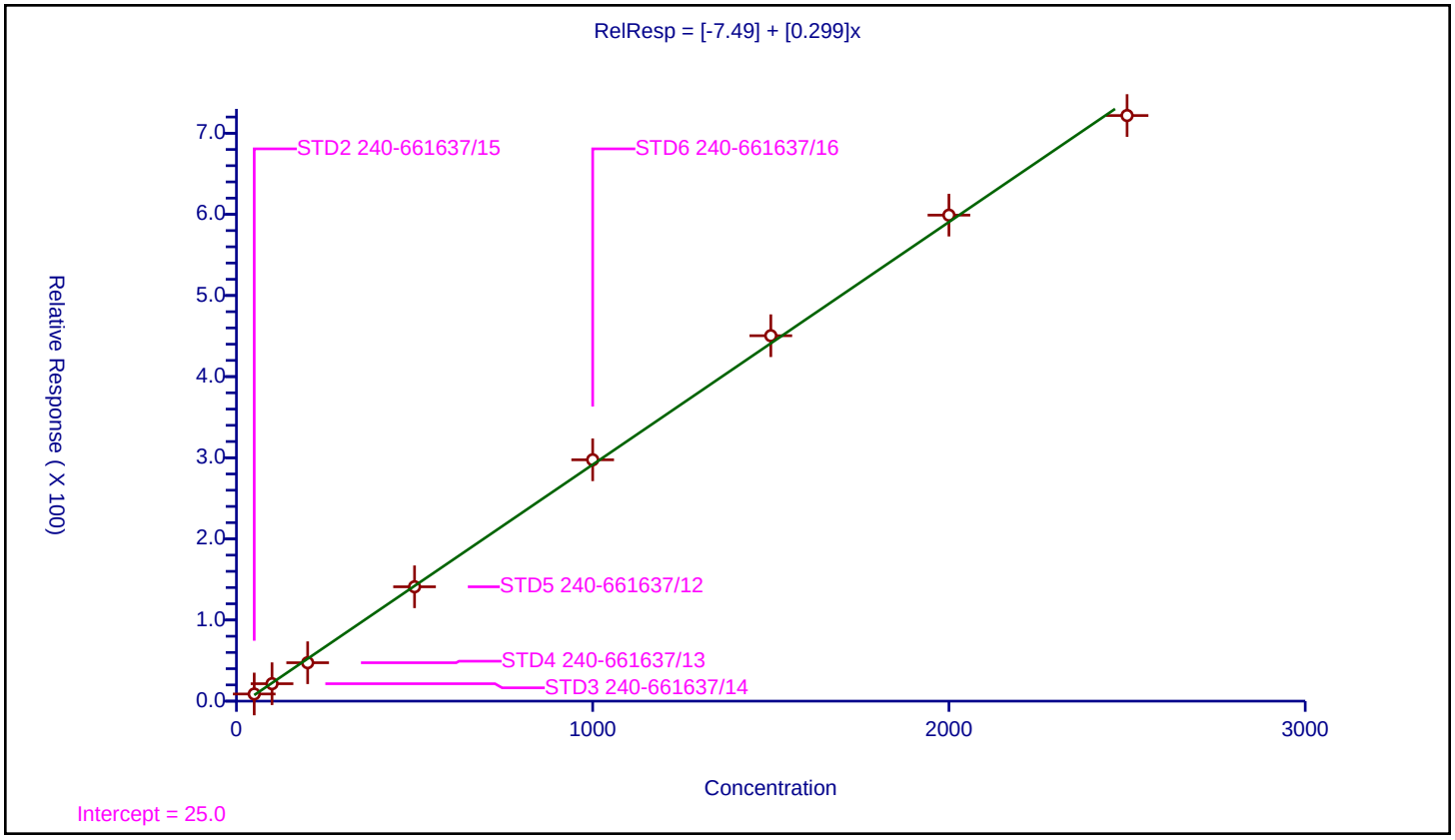
Curve Coefficients

Intercept:	-7.49
Slope:	0.299

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	8.807708	400.0	238700.0	0.176154	Y
2	STD3 240-661637/14	100.0	21.490406	400.0	257715.0	0.214904	Y
3	STD4 240-661637/13	200.0	47.368741	400.0	262992.0	0.236844	Y
4	STD5 240-661637/12	500.0	140.955818	400.0	252726.0	0.281912	Y
5	STD6 240-661637/16	1000.0	297.466219	400.0	266203.0	0.297466	Y
6	STD7 240-661637/17	1500.0	450.426015	400.0	270765.0	0.300284	Y
7	STD8 240-661637/18	2000.0	599.035364	400.0	280935.0	0.299518	Y
8	STD9 240-661637/19	2500.0	721.839914	400.0	275752.0	0.288736	Y



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Calibration / N-Nitro-o-toluidine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

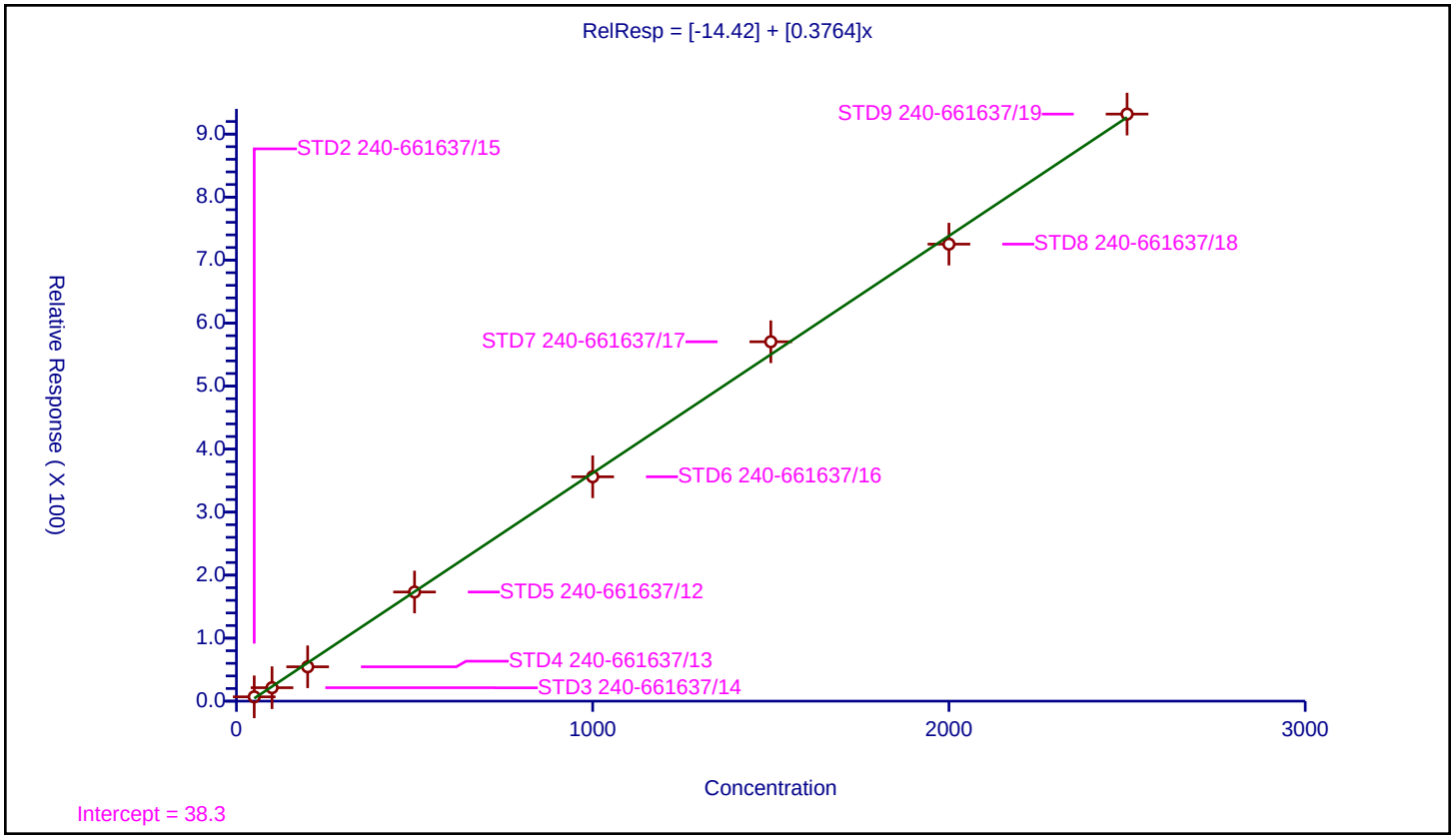
Curve Coefficients

Intercept:	-14.42
Slope:	0.3764

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	6.847088	400.0	238700.0	0.136942	Y
2	STD3 240-661637/14	100.0	21.30881	400.0	257715.0	0.213088	Y
3	STD4 240-661637/13	200.0	54.502038	400.0	262992.0	0.27251	Y
4	STD5 240-661637/12	500.0	173.205764	400.0	252726.0	0.346412	Y
5	STD6 240-661637/16	1000.0	356.086145	400.0	266203.0	0.356086	Y
6	STD7 240-661637/17	1500.0	570.410504	400.0	270765.0	0.380274	Y
7	STD8 240-661637/18	2000.0	725.354975	400.0	280935.0	0.362677	Y
8	STD9 240-661637/19	2500.0	931.769126	400.0	275752.0	0.372708	Y



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Calibration / Sulfotepp

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

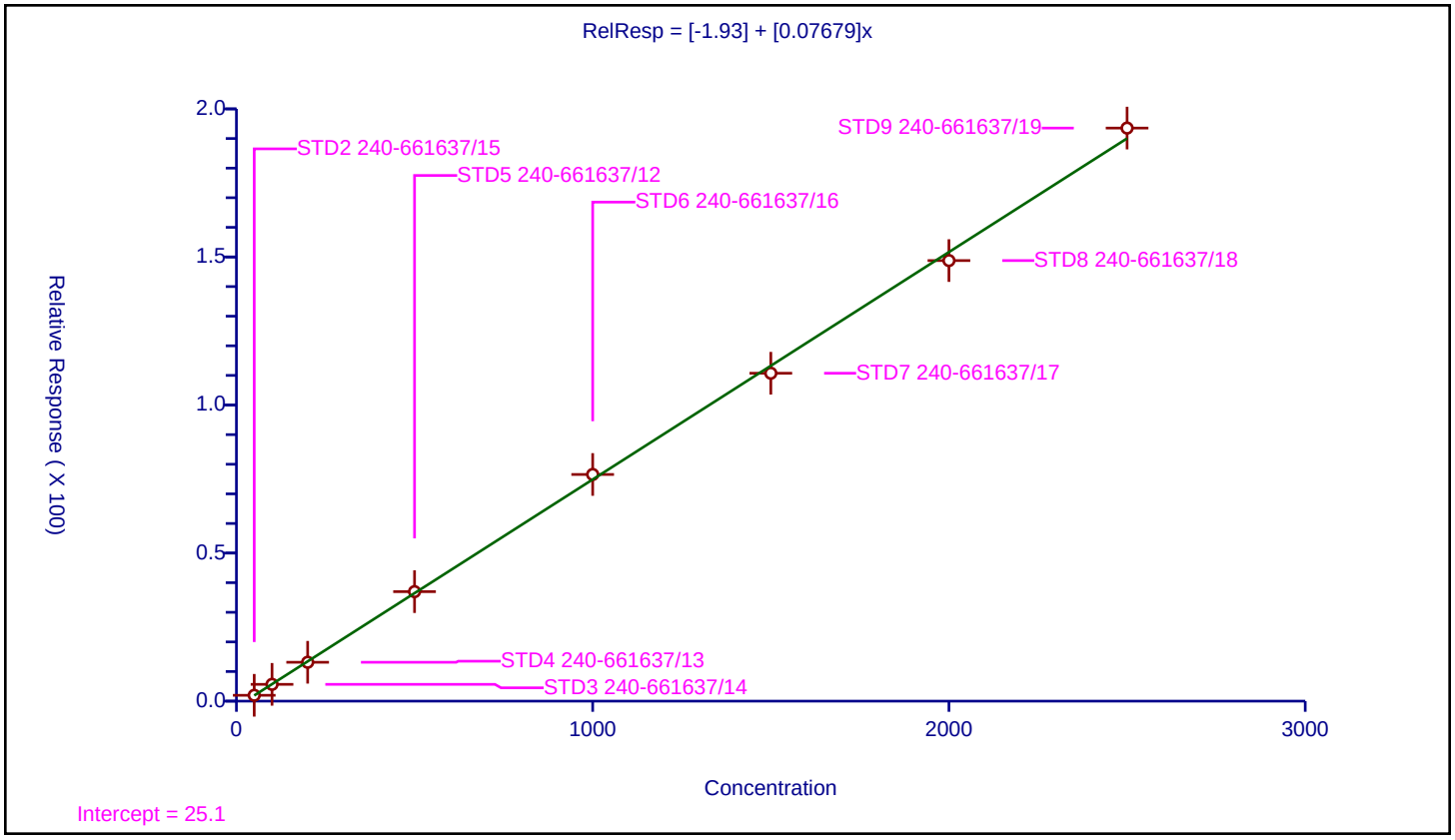
Curve Coefficients

Intercept:	-1.93
Slope:	0.07679

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	1.972836	400.0	374689.0	0.039457	Y
2	STD3 240-661637/14	100.0	5.668904	400.0	399654.0	0.056689	Y
3	STD4 240-661637/13	200.0	13.130408	400.0	413026.0	0.065652	Y
4	STD5 240-661637/12	500.0	36.982954	400.0	410481.0	0.073966	Y
5	STD6 240-661637/16	1000.0	76.548848	400.0	412500.0	0.076549	Y
6	STD7 240-661637/17	1500.0	110.734758	400.0	444500.0	0.073823	Y
7	STD8 240-661637/18	2000.0	148.776468	400.0	444737.0	0.074388	Y
8	STD9 240-661637/19	2500.0	193.522665	400.0	435920.0	0.077409	Y



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Calibration / 1,3,5-Trinitrobenzene

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

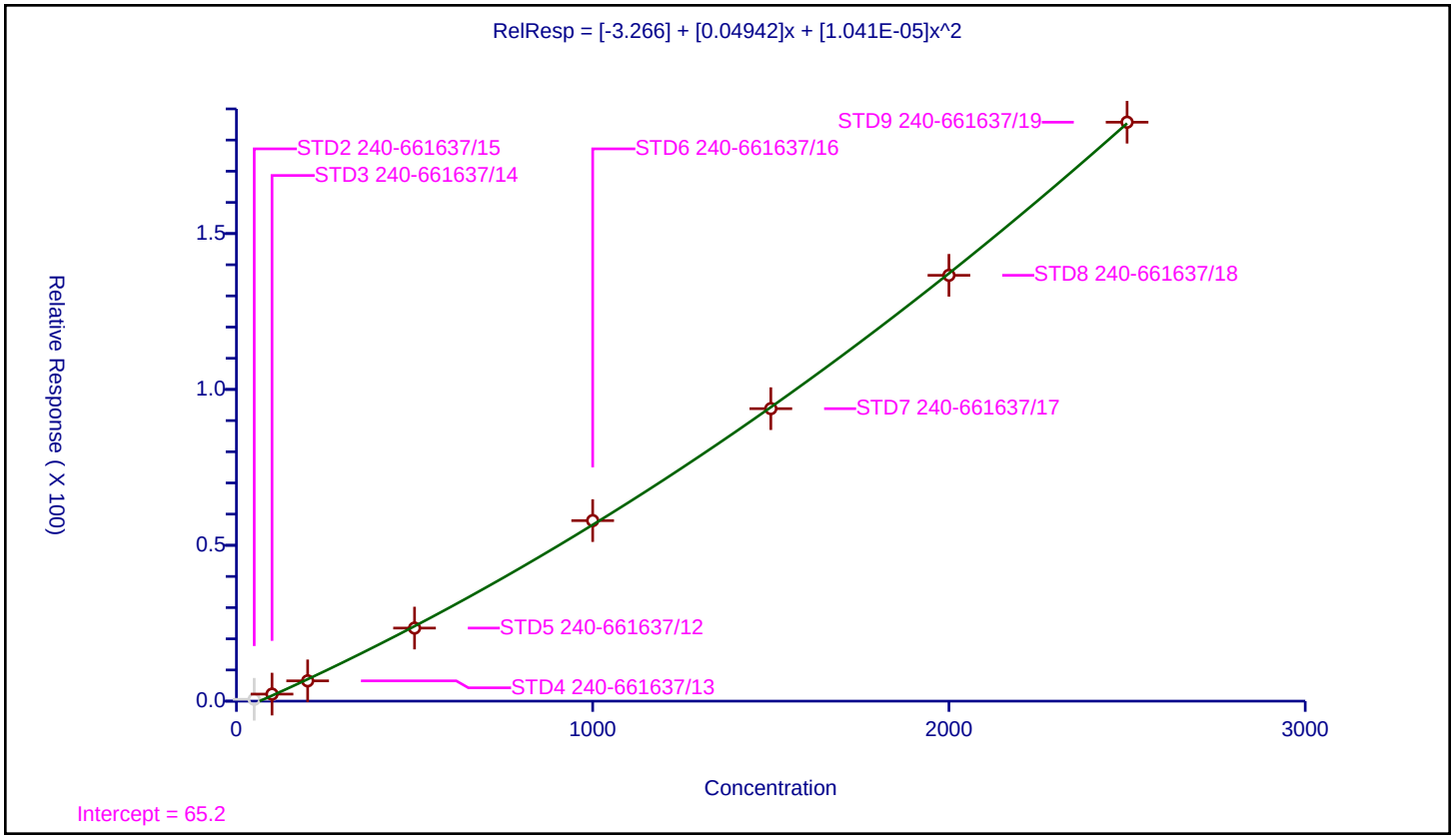
Curve Coefficients

Intercept:	-3.266
Slope:	0.04942
Second Order:	1.041E-05

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	0.594626	400.0	374689.0	0.011893	N
2	STD3 240-661637/14	100.0	2.262957	400.0	399654.0	0.02263	Y
3	STD4 240-661637/13	200.0	6.509033	400.0	413026.0	0.032545	Y
4	STD5 240-661637/12	500.0	23.437869	400.0	410481.0	0.046876	Y
5	STD6 240-661637/16	1000.0	57.916121	400.0	412500.0	0.057916	Y
6	STD7 240-661637/17	1500.0	93.832171	400.0	444500.0	0.062555	Y
7	STD8 240-661637/18	2000.0	136.616472	400.0	444737.0	0.068308	Y
8	STD9 240-661637/19	2500.0	185.723986	400.0	435920.0	0.07429	Y



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Calibration / Phenacetin

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

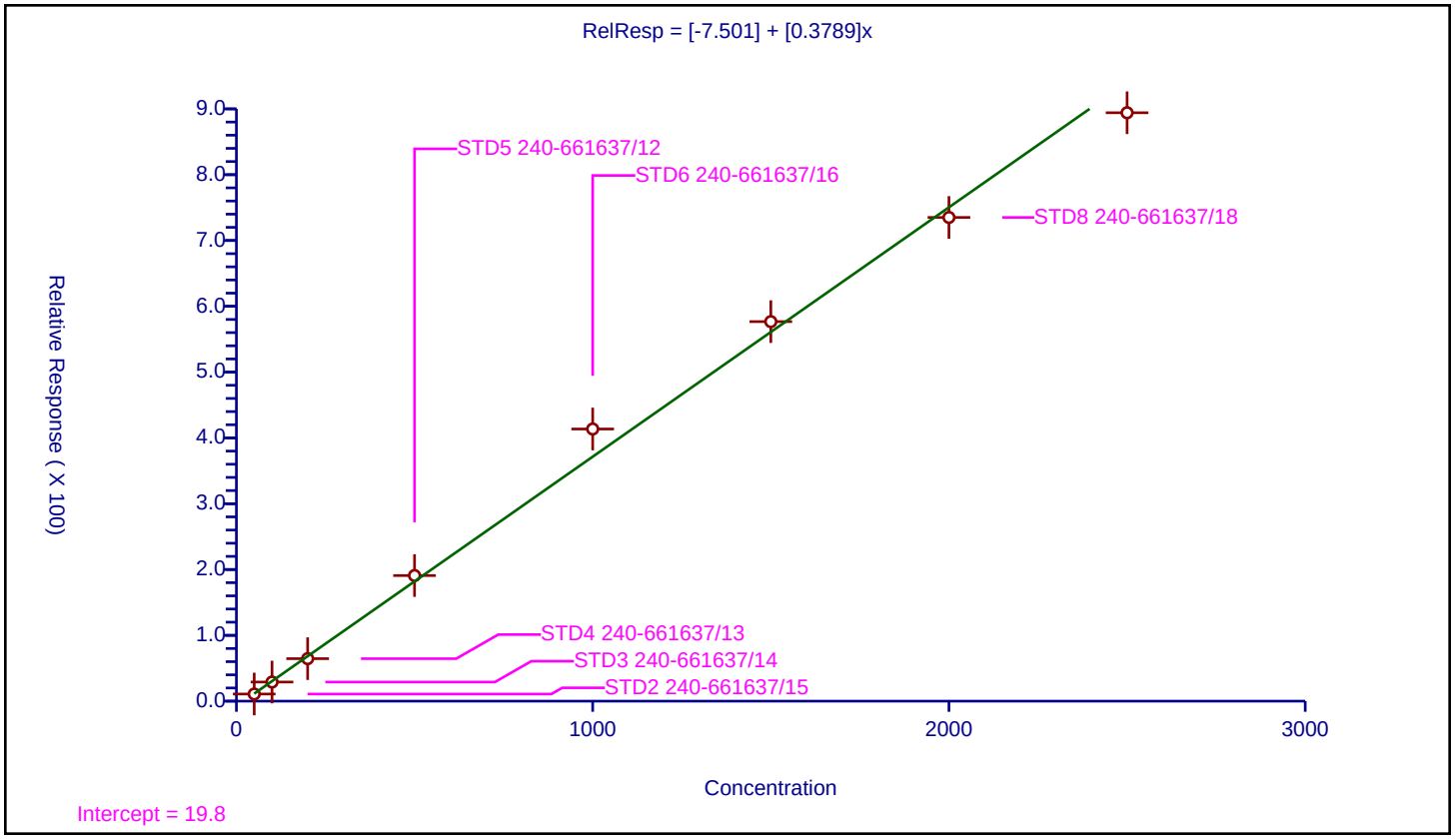
Curve Coefficients

Intercept:	-7.501
Slope:	0.3789

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	10.830315	400.0	374689.0	0.216606	Y
2	STD3 240-661637/14	100.0	29.038118	400.0	399654.0	0.290381	Y
3	STD4 240-661637/13	200.0	64.581891	400.0	413026.0	0.322909	Y
4	STD5 240-661637/12	500.0	190.850246	400.0	410481.0	0.3817	Y
5	STD6 240-661637/16	1000.0	413.553455	400.0	412500.0	0.413553	Y
6	STD7 240-661637/17	1500.0	576.731609	400.0	444500.0	0.384488	Y
7	STD8 240-661637/18	2000.0	735.016875	400.0	444737.0	0.367508	Y
8	STD9 240-661637/19	2500.0	894.130116	400.0	435920.0	0.357652	Y



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Calibration / Diallate Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

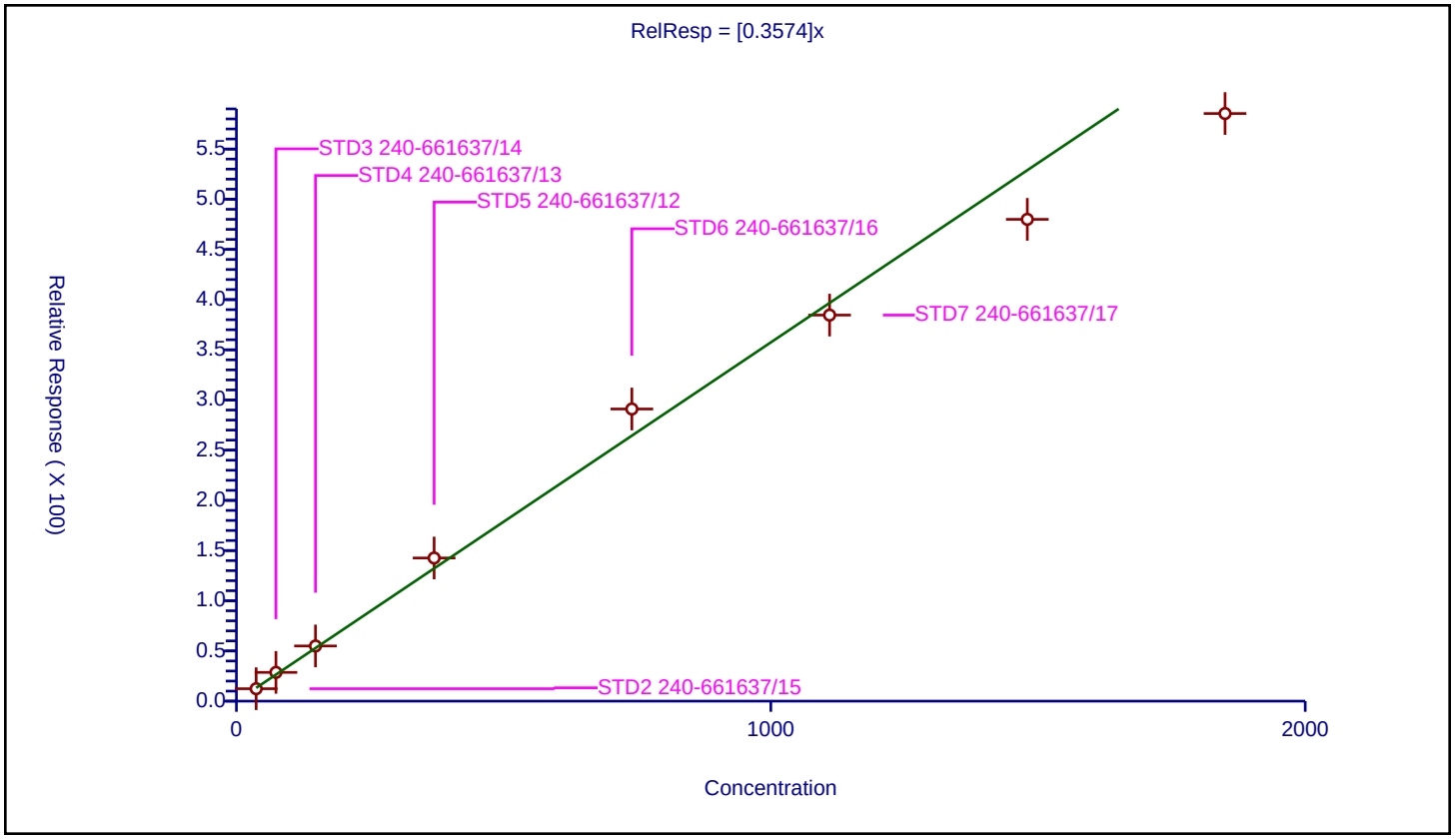
Curve Coefficients

Intercept:	0
Slope:	0.3574

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	37.0	12.387874	400.0	374689.0	0.334807	Y
2	STD3 240-661637/14	74.0	28.629765	400.0	399654.0	0.386889	Y
3	STD4 240-661637/13	148.0	54.958283	400.0	413026.0	0.37134	Y
4	STD5 240-661637/12	370.0	142.599536	400.0	410481.0	0.385404	Y
5	STD6 240-661637/16	740.0	291.017697	400.0	412500.0	0.393267	Y
6	STD7 240-661637/17	1110.0	384.584927	400.0	444500.0	0.346473	Y
7	STD8 240-661637/18	1480.0	479.957368	400.0	444737.0	0.324296	Y
8	STD9 240-661637/19	1850.0	585.387227	400.0	435920.0	0.316426	Y



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Calibration / Phorate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

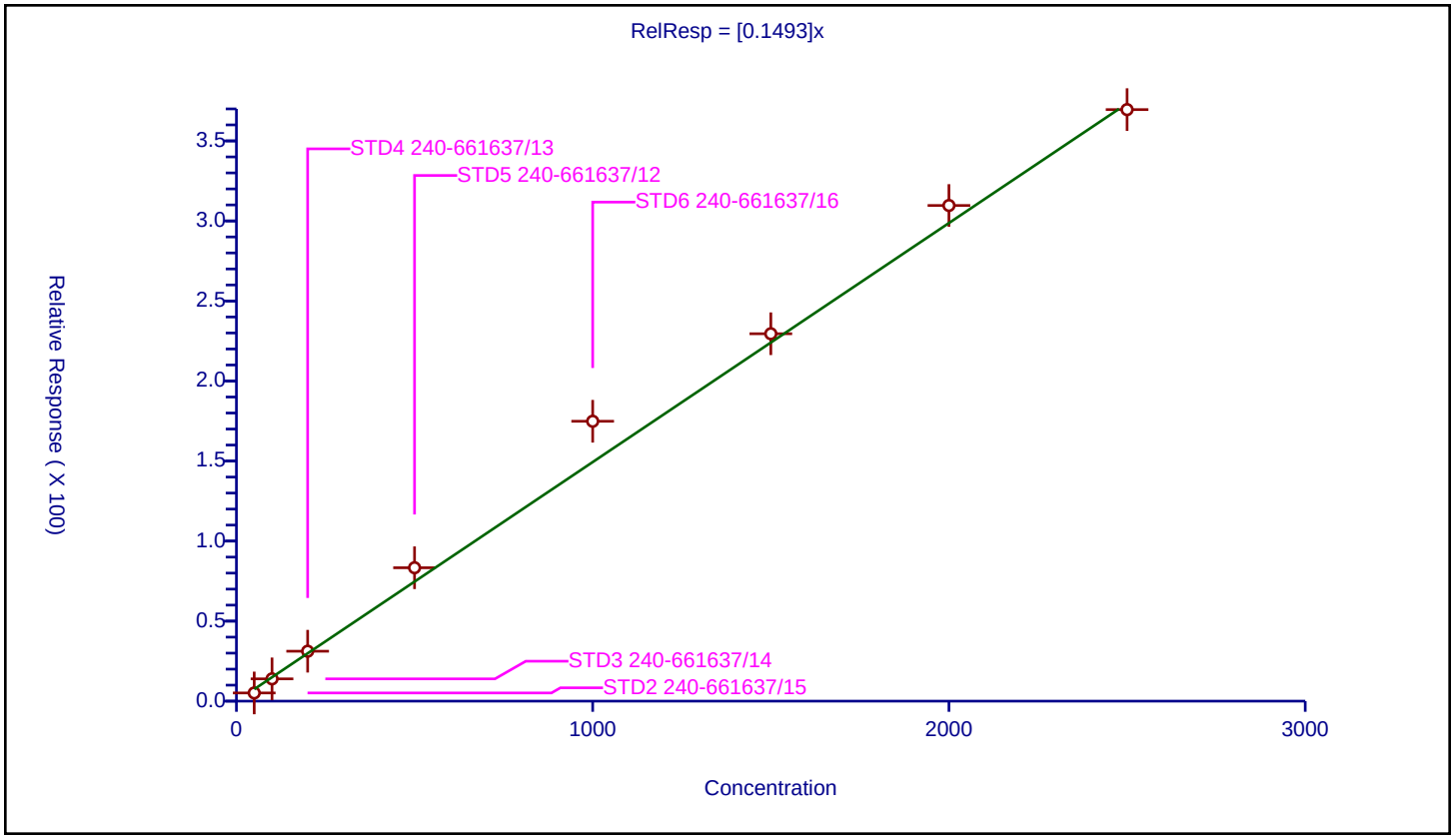
Curve Coefficients

Intercept:	0
Slope:	0.1493

Error Coefficients

Relative Standard Deviation:	14.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	5.11998	400.0	374689.0	0.1024	Y
2	STD3 240-661637/14	100.0	13.921042	400.0	399654.0	0.13921	Y
3	STD4 240-661637/13	200.0	31.18932	400.0	413026.0	0.155947	Y
4	STD5 240-661637/12	500.0	83.340276	400.0	410481.0	0.166681	Y
5	STD6 240-661637/16	1000.0	174.84897	400.0	412500.0	0.174849	Y
6	STD7 240-661637/17	1500.0	229.52261	400.0	444500.0	0.153015	Y
7	STD8 240-661637/18	2000.0	309.652671	400.0	444737.0	0.154826	Y
8	STD9 240-661637/19	2500.0	369.553129	400.0	435920.0	0.147821	Y



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Calibration / Diallate Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

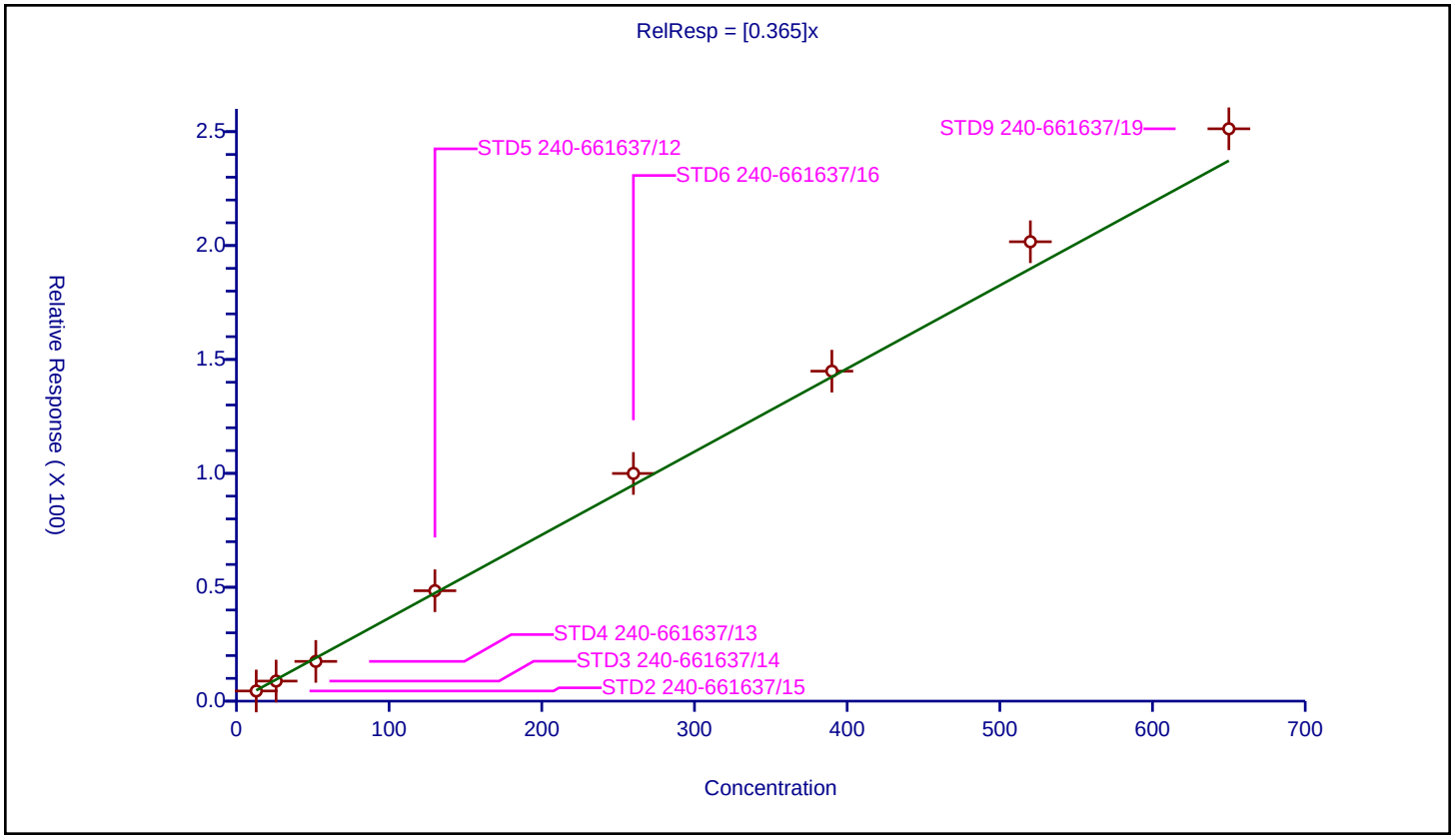
Curve Coefficients

Intercept:	0
Slope:	0.365

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	13.0	4.454895	400.0	374689.0	0.342684	Y
2	STD3 240-661637/14	26.0	8.804616	400.0	399654.0	0.338639	Y
3	STD4 240-661637/13	52.0	17.452654	400.0	413026.0	0.335628	Y
4	STD5 240-661637/12	130.0	48.475813	400.0	410481.0	0.372891	Y
5	STD6 240-661637/16	260.0	99.950545	400.0	412500.0	0.384425	Y
6	STD7 240-661637/17	390.0	144.862092	400.0	444500.0	0.371441	Y
7	STD8 240-661637/18	520.0	201.680544	400.0	444737.0	0.387847	Y
8	STD9 240-661637/19	650.0	251.262617	400.0	435920.0	0.386558	Y



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Calibration / Dimethoate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

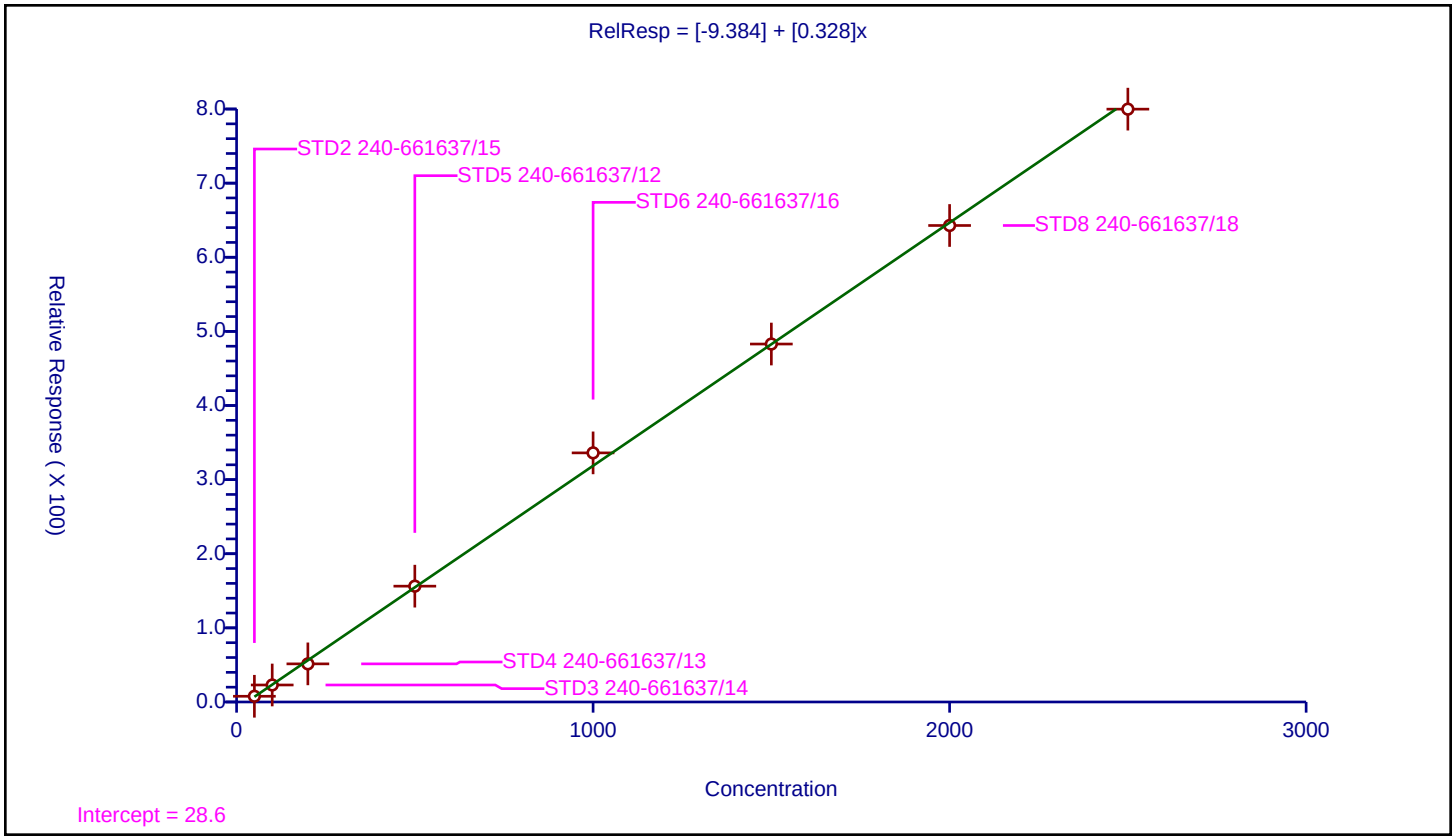
Curve Coefficients

Intercept:	-9.384
Slope:	0.328

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	7.731212	400.0	374689.0	0.154624	Y
2	STD3 240-661637/14	100.0	22.926832	400.0	399654.0	0.229268	Y
3	STD4 240-661637/13	200.0	51.442766	400.0	413026.0	0.257214	Y
4	STD5 240-661637/12	500.0	156.267403	400.0	410481.0	0.312535	Y
5	STD6 240-661637/16	1000.0	336.084364	400.0	412500.0	0.336084	Y
6	STD7 240-661637/17	1500.0	482.944432	400.0	444500.0	0.321963	Y
7	STD8 240-661637/18	2000.0	642.843748	400.0	444737.0	0.321422	Y
8	STD9 240-661637/19	2500.0	799.814645	400.0	435920.0	0.319926	Y



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Calibration / 4-Aminobiphenyl

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

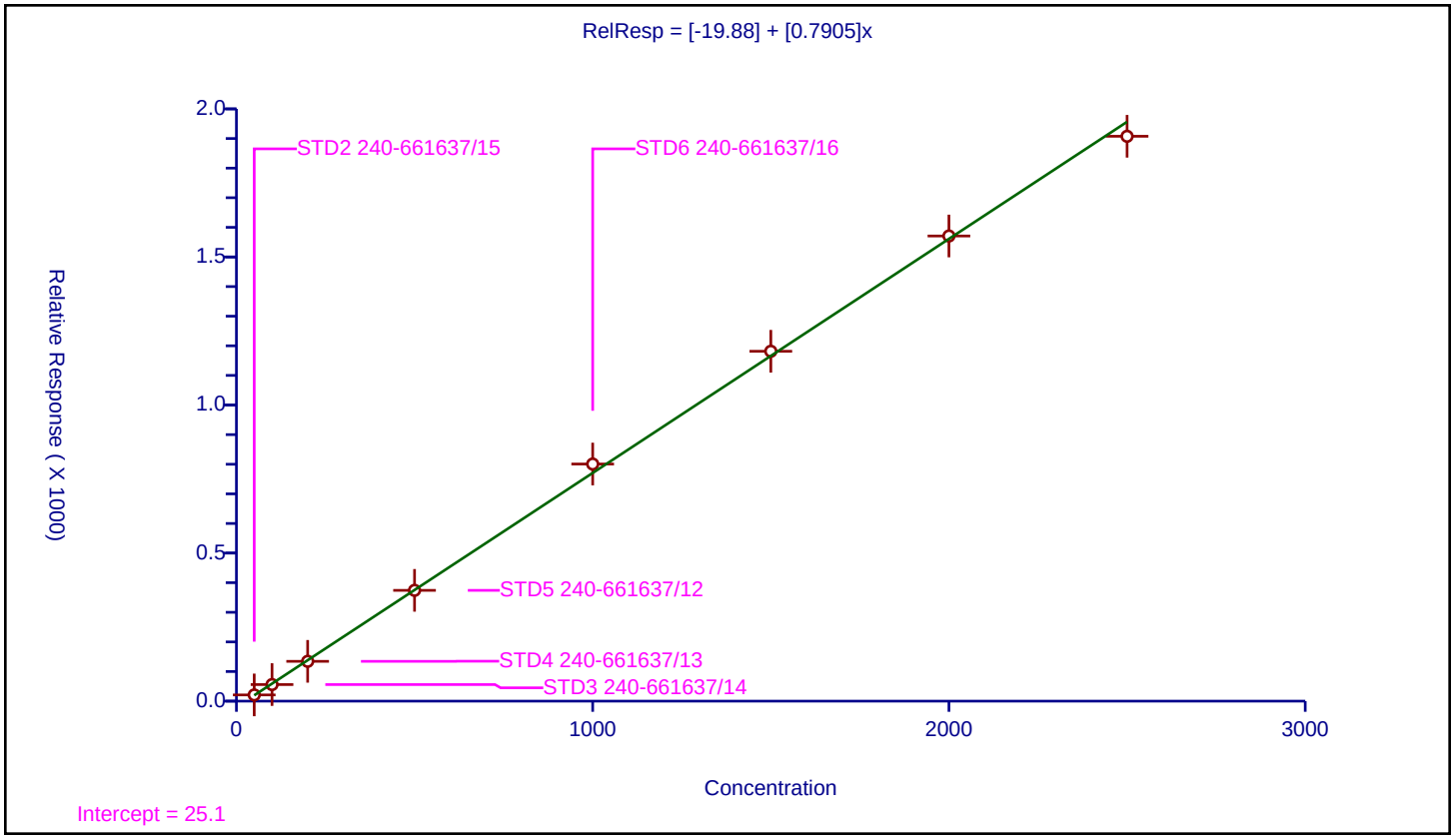
Curve Coefficients

Intercept:	-19.88
Slope:	0.7905

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	21.008356	400.0	374689.0	0.420167	Y
2	STD3 240-661637/14	100.0	55.997438	400.0	399654.0	0.559974	Y
3	STD4 240-661637/13	200.0	134.388634	400.0	413026.0	0.671943	Y
4	STD5 240-661637/12	500.0	374.131811	400.0	410481.0	0.748264	Y
5	STD6 240-661637/16	1000.0	800.741818	400.0	412500.0	0.800742	Y
6	STD7 240-661637/17	1500.0	1181.515411	400.0	444500.0	0.787677	Y
7	STD8 240-661637/18	2000.0	1570.822306	400.0	444737.0	0.785411	Y
8	STD9 240-661637/19	2500.0	1907.494036	400.0	435920.0	0.762998	Y



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Calibration / Pronamide

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

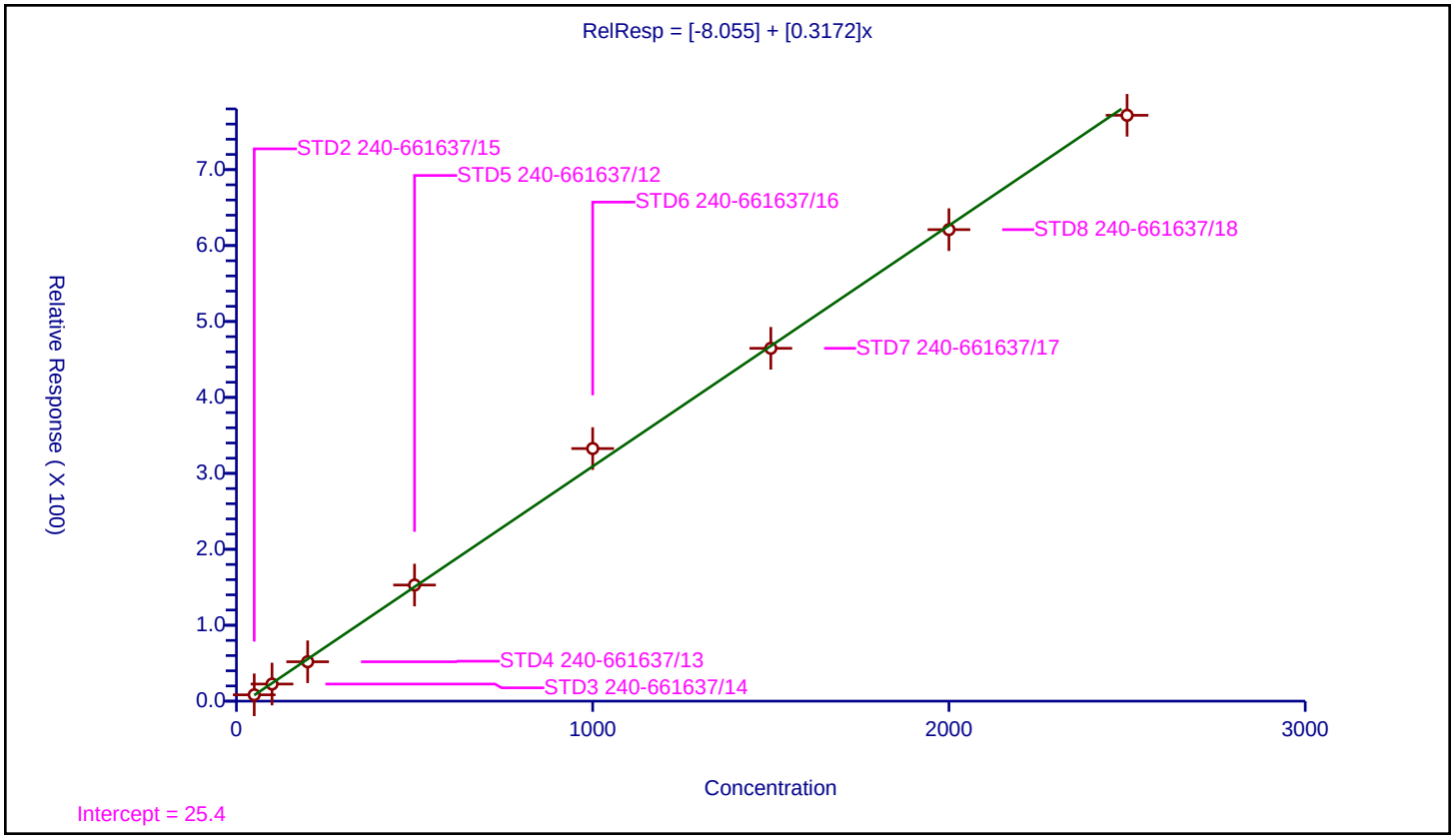
Curve Coefficients

Intercept:	-8.055
Slope:	0.3172

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	8.337581	400.0	374689.0	0.166752	Y
2	STD3 240-661637/14	100.0	22.540498	400.0	399654.0	0.225405	Y
3	STD4 240-661637/13	200.0	51.861142	400.0	413026.0	0.259306	Y
4	STD5 240-661637/12	500.0	152.916213	400.0	410481.0	0.305832	Y
5	STD6 240-661637/16	1000.0	332.662303	400.0	412500.0	0.332662	Y
6	STD7 240-661637/17	1500.0	464.693813	400.0	444500.0	0.309796	Y
7	STD8 240-661637/18	2000.0	620.97914	400.0	444737.0	0.31049	Y
8	STD9 240-661637/19	2500.0	771.578271	400.0	435920.0	0.308631	Y



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Calibration / Pentachloronitrobenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

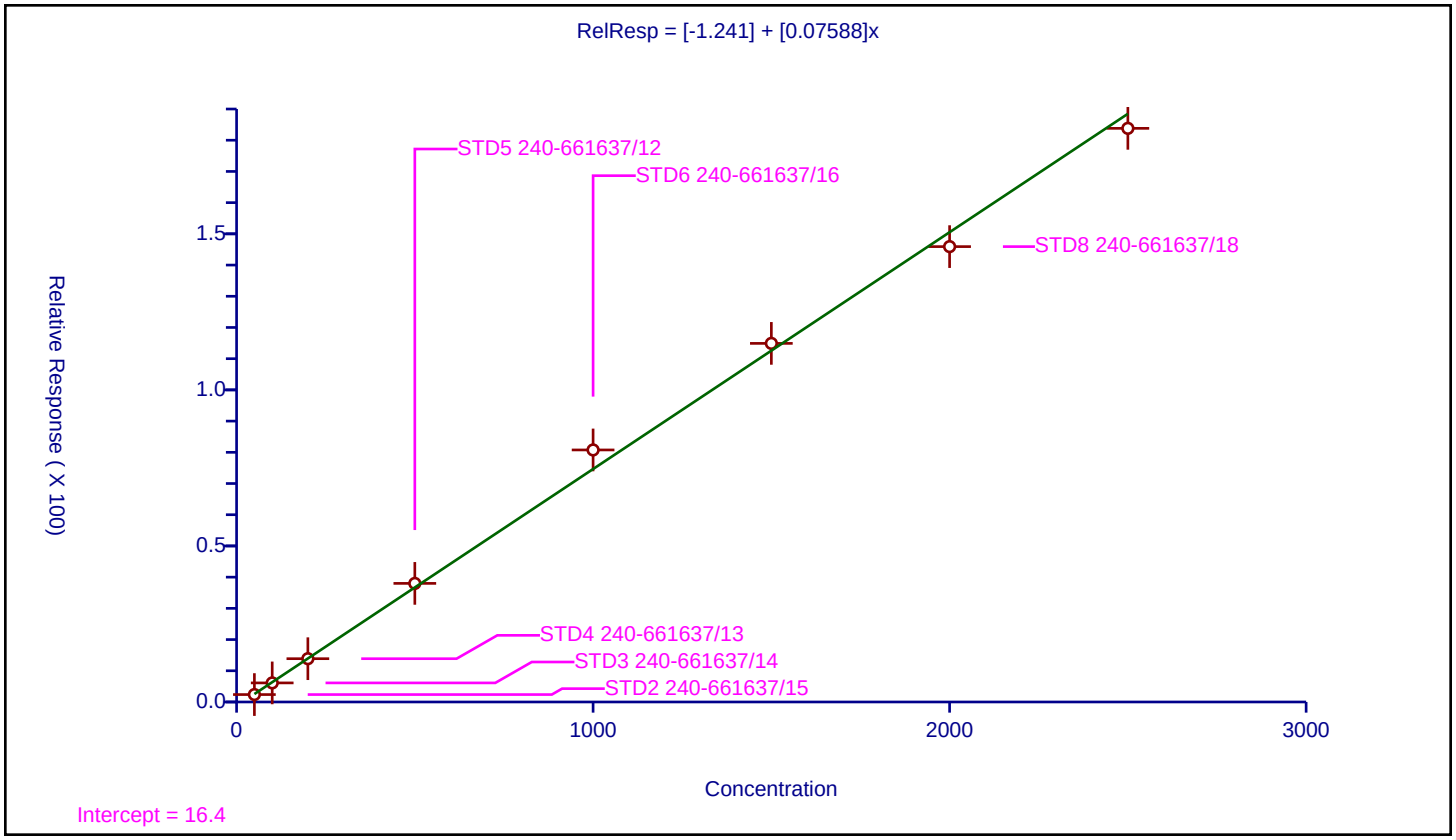
Curve Coefficients

Intercept:	-1.241
Slope:	0.07588

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	2.380641	400.0	374689.0	0.047613	Y
2	STD3 240-661637/14	100.0	6.113288	400.0	399654.0	0.061133	Y
3	STD4 240-661637/13	200.0	13.875156	400.0	413026.0	0.069376	Y
4	STD5 240-661637/12	500.0	37.997374	400.0	410481.0	0.075995	Y
5	STD6 240-661637/16	1000.0	80.759273	400.0	412500.0	0.080759	Y
6	STD7 240-661637/17	1500.0	114.904837	400.0	444500.0	0.076603	Y
7	STD8 240-661637/18	2000.0	145.910055	400.0	444737.0	0.072955	Y
8	STD9 240-661637/19	2500.0	183.807121	400.0	435920.0	0.073523	Y



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Calibration / Disulfoton

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

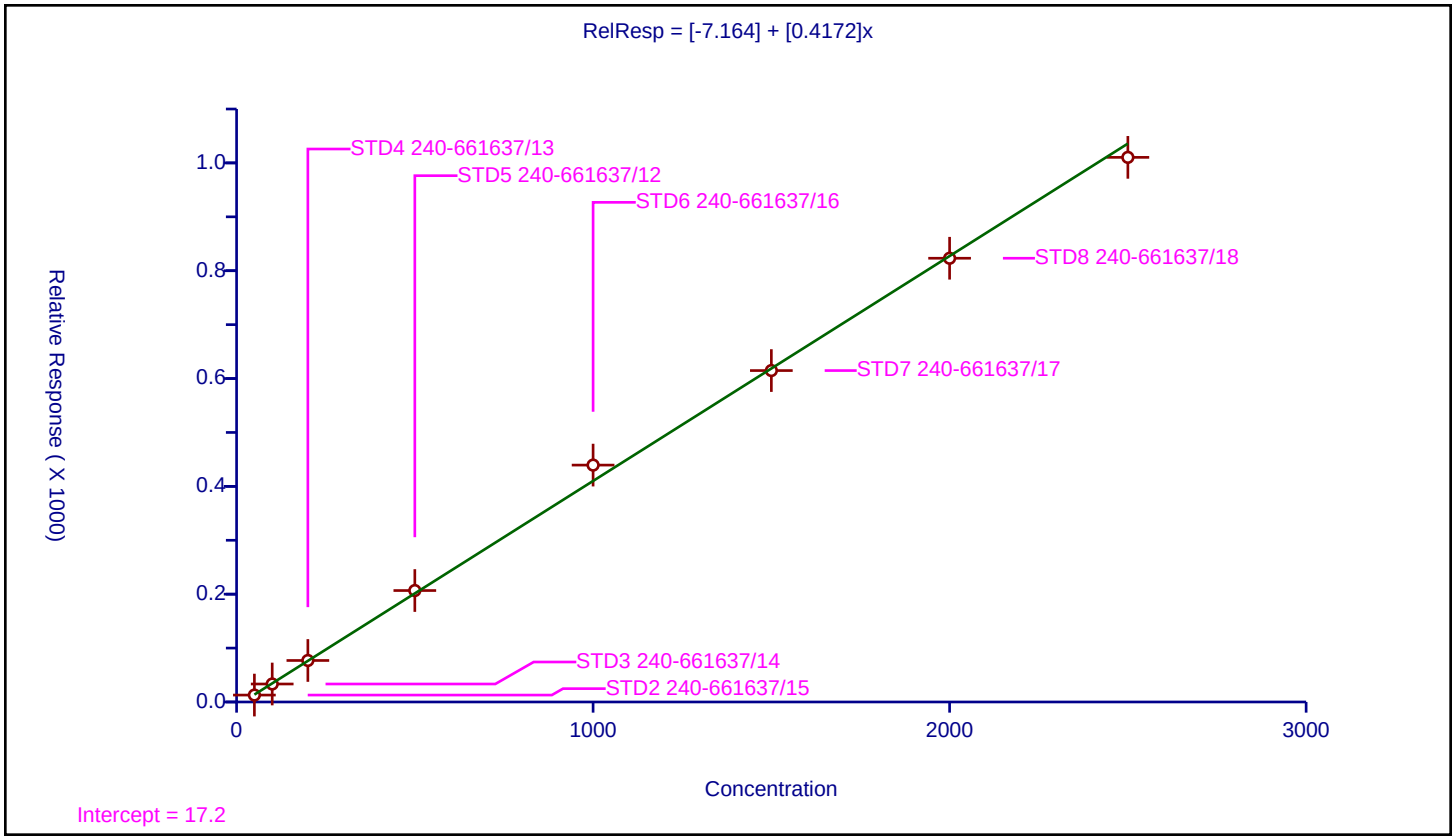
Curve Coefficients

Intercept:	-7.164
Slope:	0.4172

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	12.841583	400.0	374689.0	0.256832	Y
2	STD3 240-661637/14	100.0	33.380874	400.0	399654.0	0.333809	Y
3	STD4 240-661637/13	200.0	76.996606	400.0	413026.0	0.384983	Y
4	STD5 240-661637/12	500.0	206.730153	400.0	410481.0	0.41346	Y
5	STD6 240-661637/16	1000.0	439.429818	400.0	412500.0	0.43943	Y
6	STD7 240-661637/17	1500.0	614.811249	400.0	444500.0	0.409874	Y
7	STD8 240-661637/18	2000.0	823.154359	400.0	444737.0	0.411577	Y
8	STD9 240-661637/19	2500.0	1010.306478	400.0	435920.0	0.404123	Y



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Calibration / Dinoseb

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

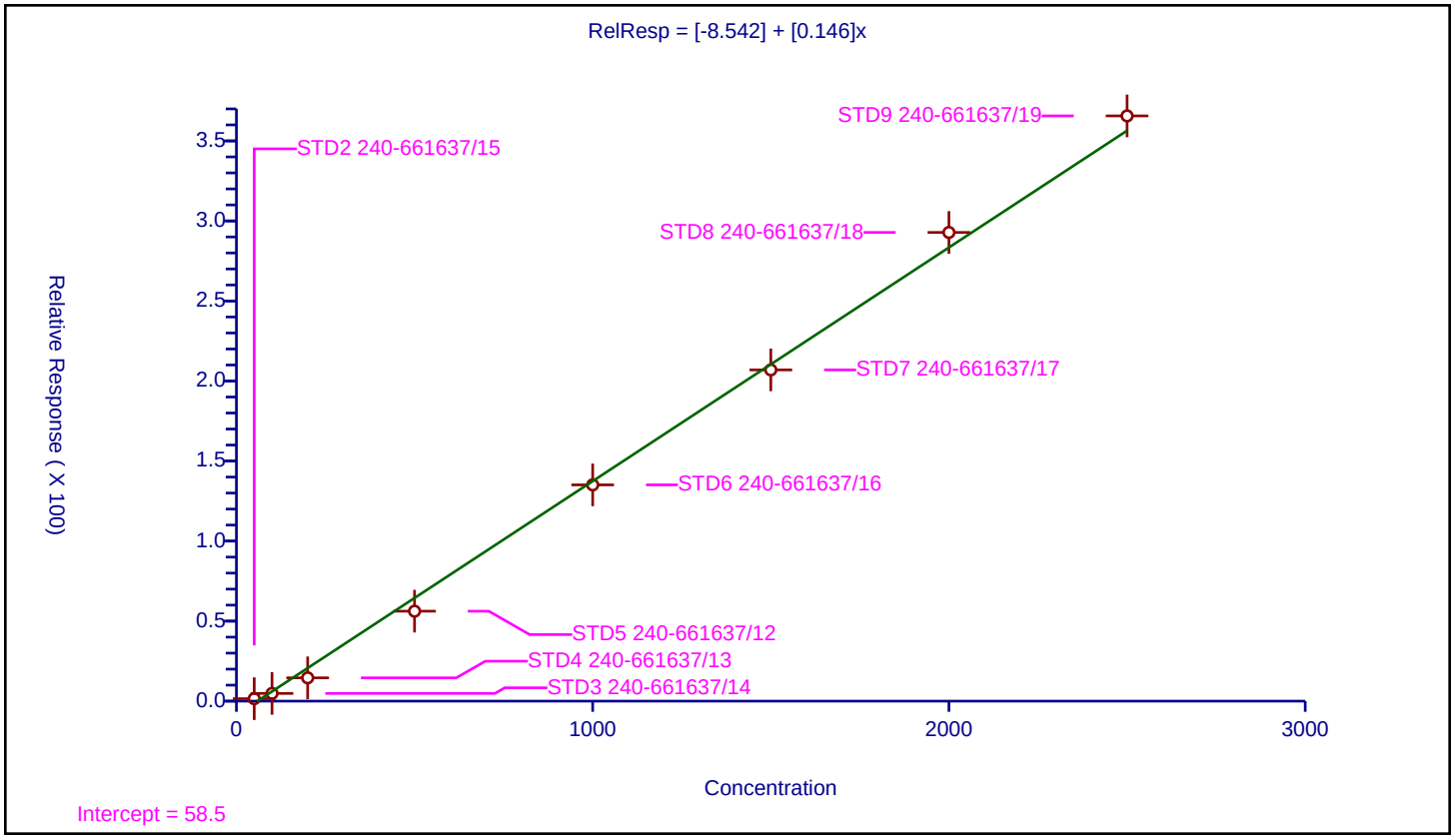
Curve Coefficients

Intercept:	-8.542
Slope:	0.146

Error Coefficients

Relative Standard Deviation:	18.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	1.537275	400.0	374689.0	0.030745	Y
2	STD3 240-661637/14	100.0	4.820169	400.0	399654.0	0.048202	Y
3	STD4 240-661637/13	200.0	14.555016	400.0	413026.0	0.072775	Y
4	STD5 240-661637/12	500.0	56.19846	400.0	410481.0	0.112397	Y
5	STD6 240-661637/16	1000.0	135.109818	400.0	412500.0	0.13511	Y
6	STD7 240-661637/17	1500.0	206.934533	400.0	444500.0	0.137956	Y
7	STD8 240-661637/18	2000.0	292.809458	400.0	444737.0	0.146405	Y
8	STD9 240-661637/19	2500.0	365.621215	400.0	435920.0	0.146248	Y



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Calibration / Methyl parathion

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

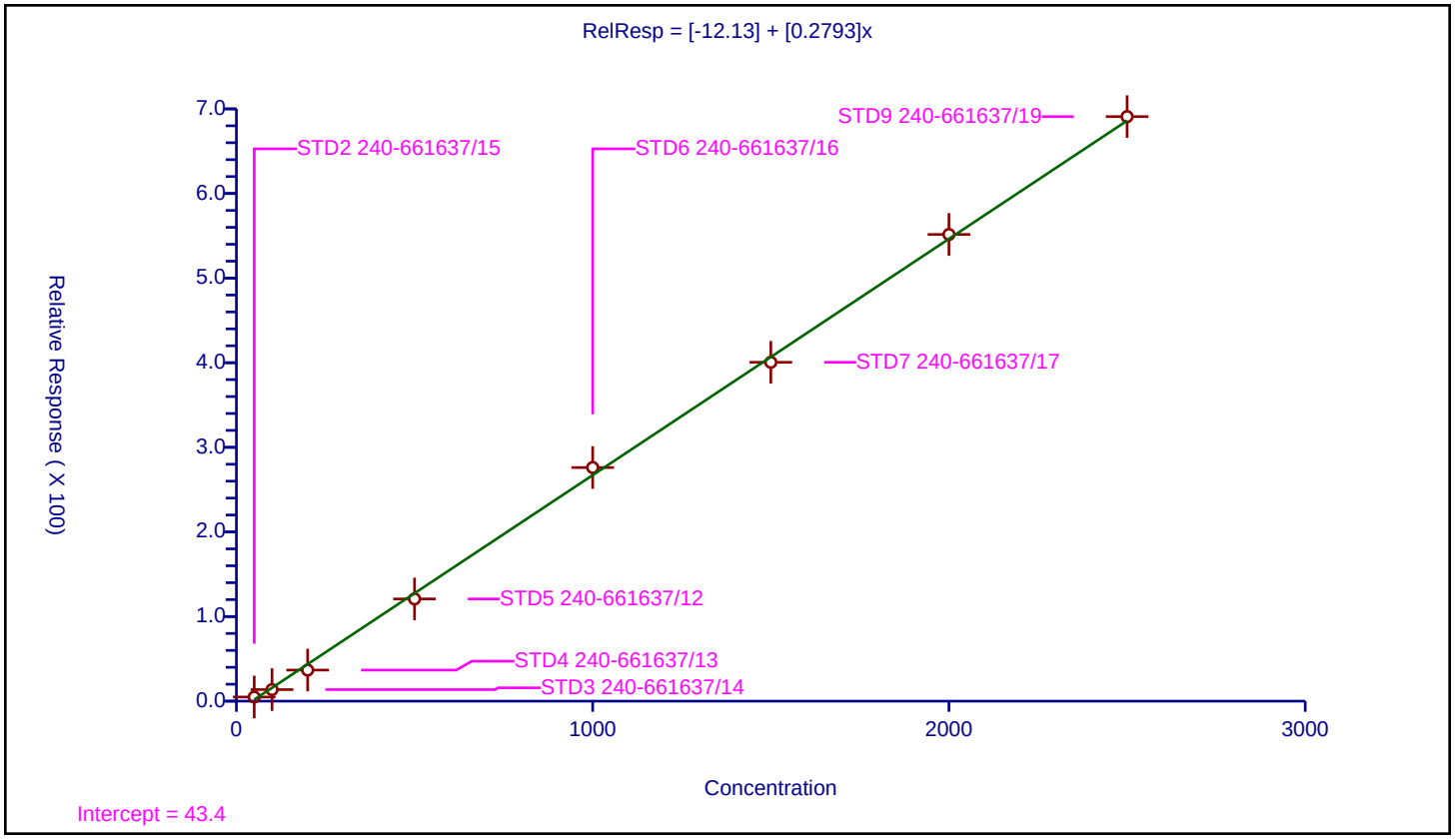
Curve Coefficients

Intercept:	-12.13
Slope:	0.2793

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	4.854159	400.0	374689.0	0.097083	Y
2	STD3 240-661637/14	100.0	13.658815	400.0	399654.0	0.136588	Y
3	STD4 240-661637/13	200.0	36.717301	400.0	413026.0	0.183587	Y
4	STD5 240-661637/12	500.0	120.804617	400.0	410481.0	0.241609	Y
5	STD6 240-661637/16	1000.0	276.108606	400.0	412500.0	0.276109	Y
6	STD7 240-661637/17	1500.0	400.486839	400.0	444500.0	0.266991	Y
7	STD8 240-661637/18	2000.0	551.566431	400.0	444737.0	0.275783	Y
8	STD9 240-661637/19	2500.0	690.885484	400.0	435920.0	0.276354	Y



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Calibration / Ethyl Parathion

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

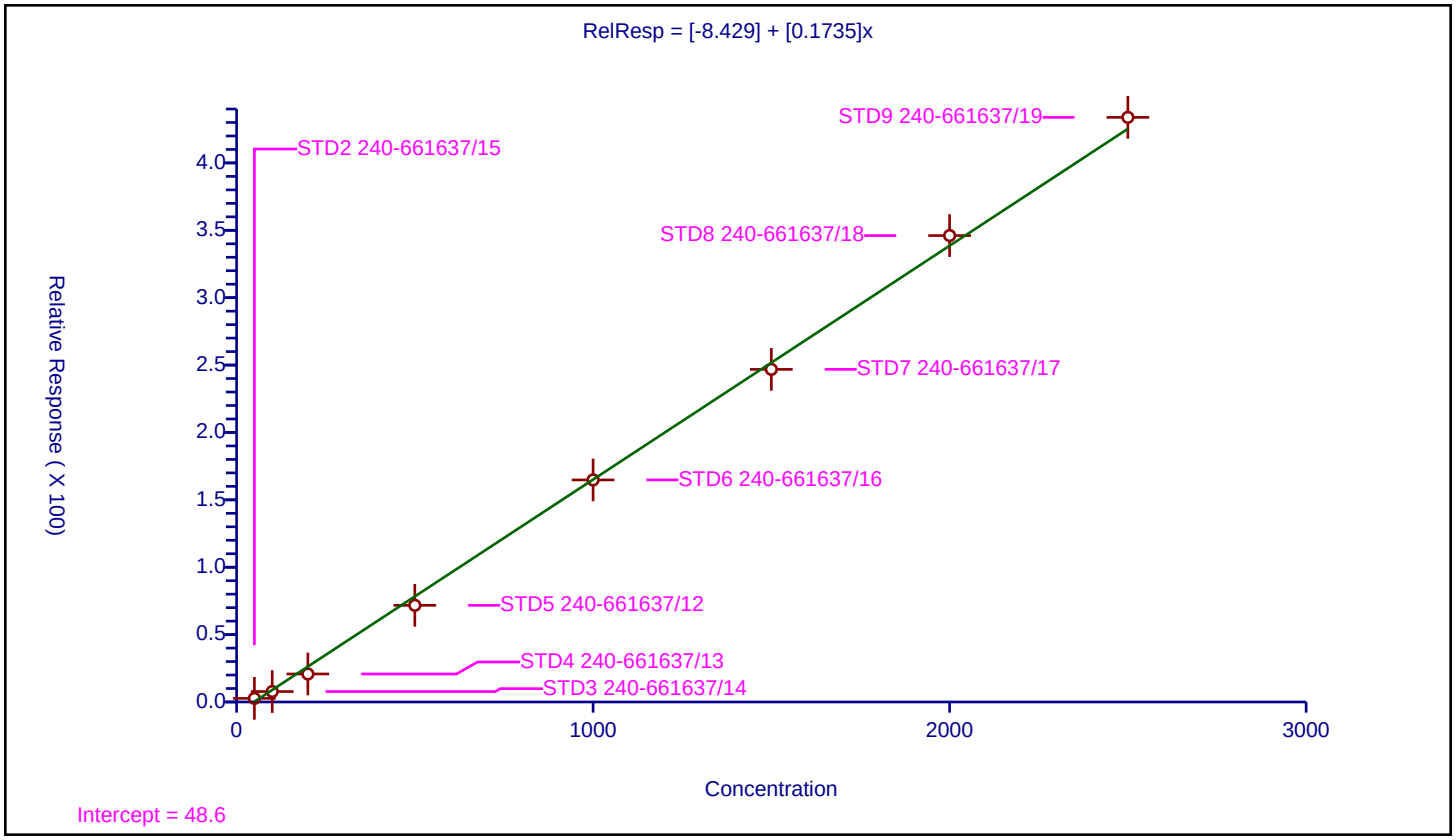
Curve Coefficients

Intercept:	-8.429
Slope:	0.1735

Error Coefficients

Relative Standard Deviation:	13.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	2.67742	400.0	374689.0	0.053548	Y
2	STD3 240-661637/14	100.0	7.755709	400.0	399654.0	0.077557	Y
3	STD4 240-661637/13	200.0	20.789006	400.0	413026.0	0.103945	Y
4	STD5 240-661637/12	500.0	71.722686	400.0	410481.0	0.143445	Y
5	STD6 240-661637/16	1000.0	164.776727	400.0	412500.0	0.164777	Y
6	STD7 240-661637/17	1500.0	246.812148	400.0	444500.0	0.164541	Y
7	STD8 240-661637/18	2000.0	346.085889	400.0	444737.0	0.173043	Y
8	STD9 240-661637/19	2500.0	433.812626	400.0	435920.0	0.173525	Y



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Calibration / 4-Nitroquinoline-1-oxide

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

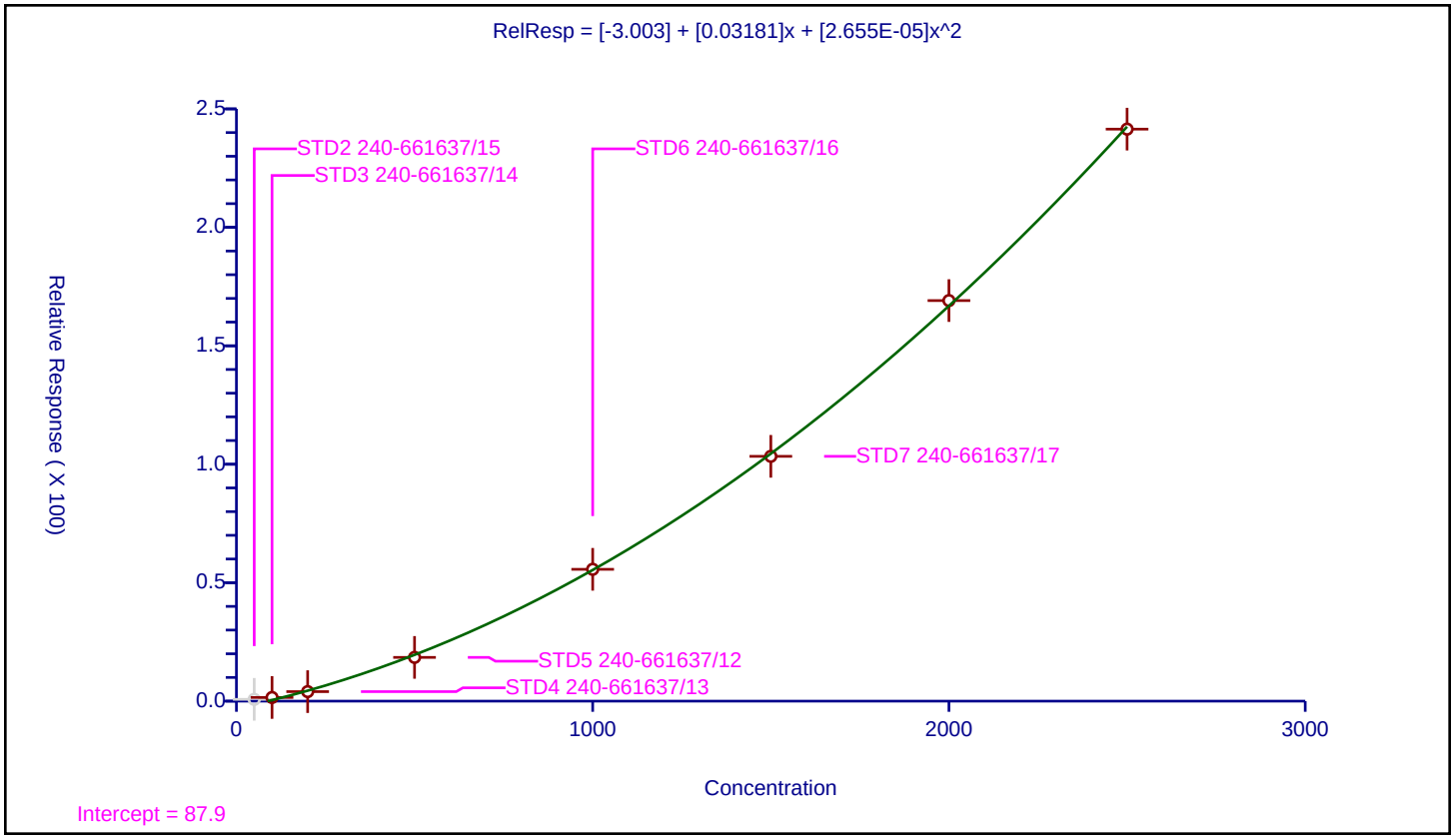
Curve Coefficients

Intercept:	-3.003
Slope:	0.03181
Second Order:	2.655E-05

Error Coefficients

Relative Standard Deviation:	14.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	0.761165	400.0	374689.0	0.015223	N
2	STD3 240-661637/14	100.0	1.546338	400.0	399654.0	0.015463	Y
3	STD4 240-661637/13	200.0	4.020086	400.0	413026.0	0.0201	Y
4	STD5 240-661637/12	500.0	18.462243	400.0	410481.0	0.036924	Y
5	STD6 240-661637/16	1000.0	55.650909	400.0	412500.0	0.055651	Y
6	STD7 240-661637/17	1500.0	103.340382	400.0	444500.0	0.068894	Y
7	STD8 240-661637/18	2000.0	169.082402	400.0	444737.0	0.084541	Y
8	STD9 240-661637/19	2500.0	241.450725	400.0	435920.0	0.09658	Y



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Calibration / Methapyrilene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

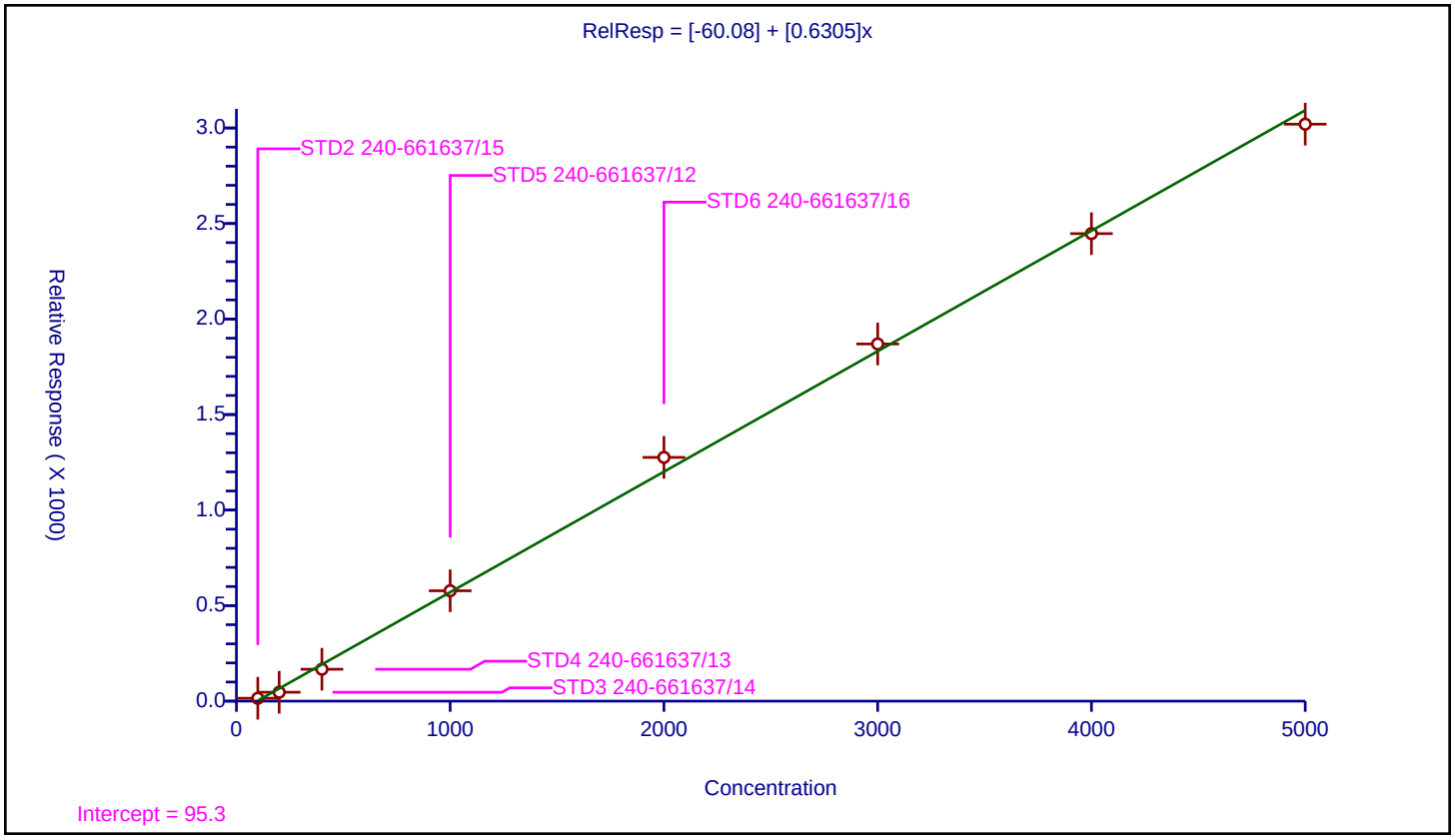
Curve Coefficients

Intercept:	-60.08
Slope:	0.6305

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	100.0	15.077037	400.0	374689.0	0.15077	Y
2	STD3 240-661637/14	200.0	46.607315	400.0	399654.0	0.233037	Y
3	STD4 240-661637/13	400.0	166.952202	400.0	413026.0	0.417381	Y
4	STD5 240-661637/12	1000.0	577.578012	400.0	410481.0	0.577578	Y
5	STD6 240-661637/16	2000.0	1275.747879	400.0	412500.0	0.637874	Y
6	STD7 240-661637/17	3000.0	1869.606299	400.0	444500.0	0.623202	Y
7	STD8 240-661637/18	4000.0	2447.13977	400.0	444737.0	0.611785	Y
8	STD9 240-661637/19	5000.0	3019.995412	400.0	435920.0	0.603999	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

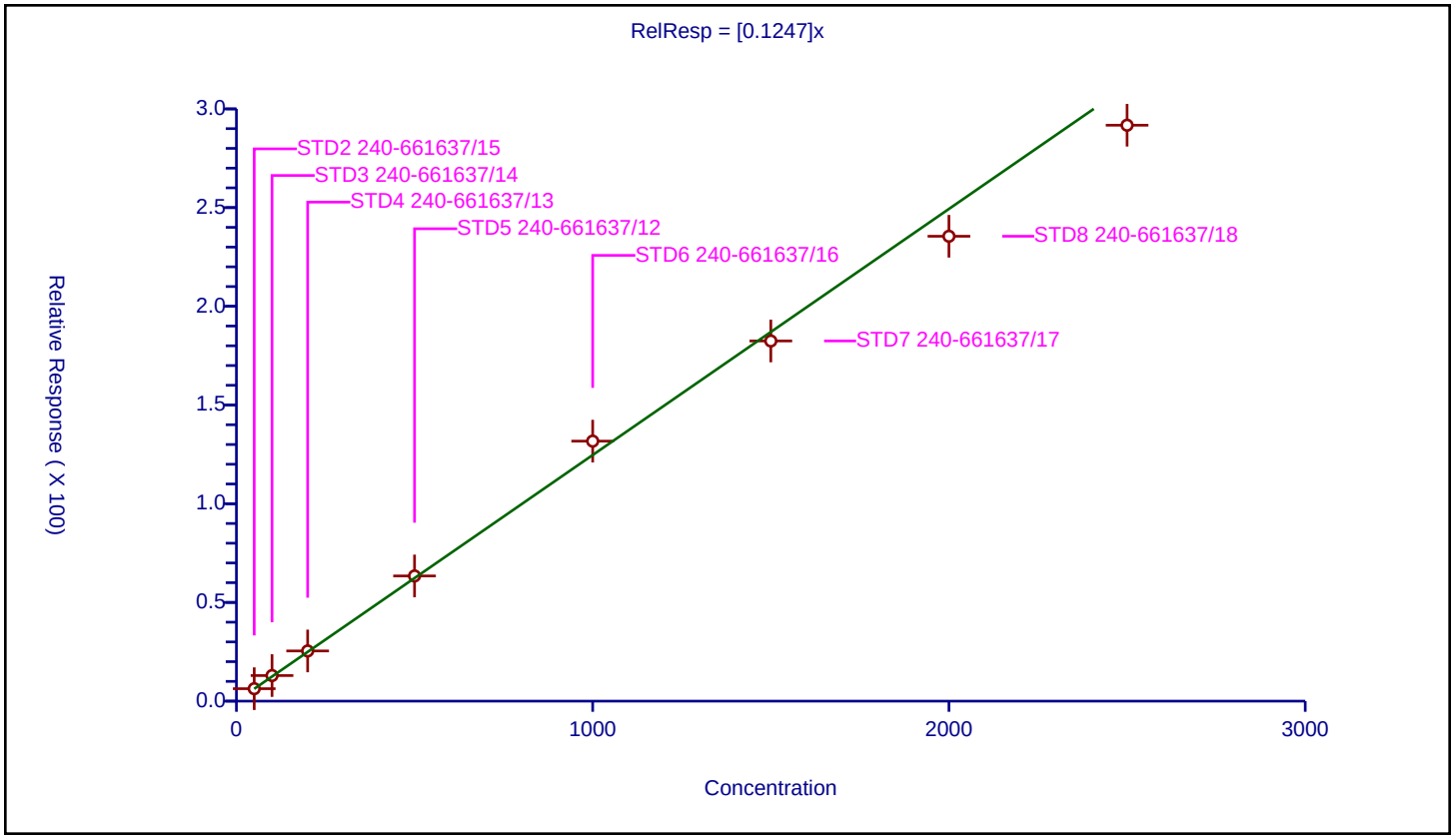
Curve Coefficients

Intercept:	0
Slope:	0.1247

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	6.302827	400.0	374689.0	0.126057	Y
2	STD3 240-661637/14	100.0	12.952204	400.0	399654.0	0.129522	Y
3	STD4 240-661637/13	200.0	25.422128	400.0	413026.0	0.127111	Y
4	STD5 240-661637/12	500.0	63.411461	400.0	410481.0	0.126823	Y
5	STD6 240-661637/16	1000.0	131.71297	400.0	412500.0	0.131713	Y
6	STD7 240-661637/17	1500.0	182.443195	400.0	444500.0	0.121629	Y
7	STD8 240-661637/18	2000.0	235.479396	400.0	444737.0	0.11774	Y
8	STD9 240-661637/19	2500.0	291.73151	400.0	435920.0	0.116693	Y



Calibration / Aramite Peak 1

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

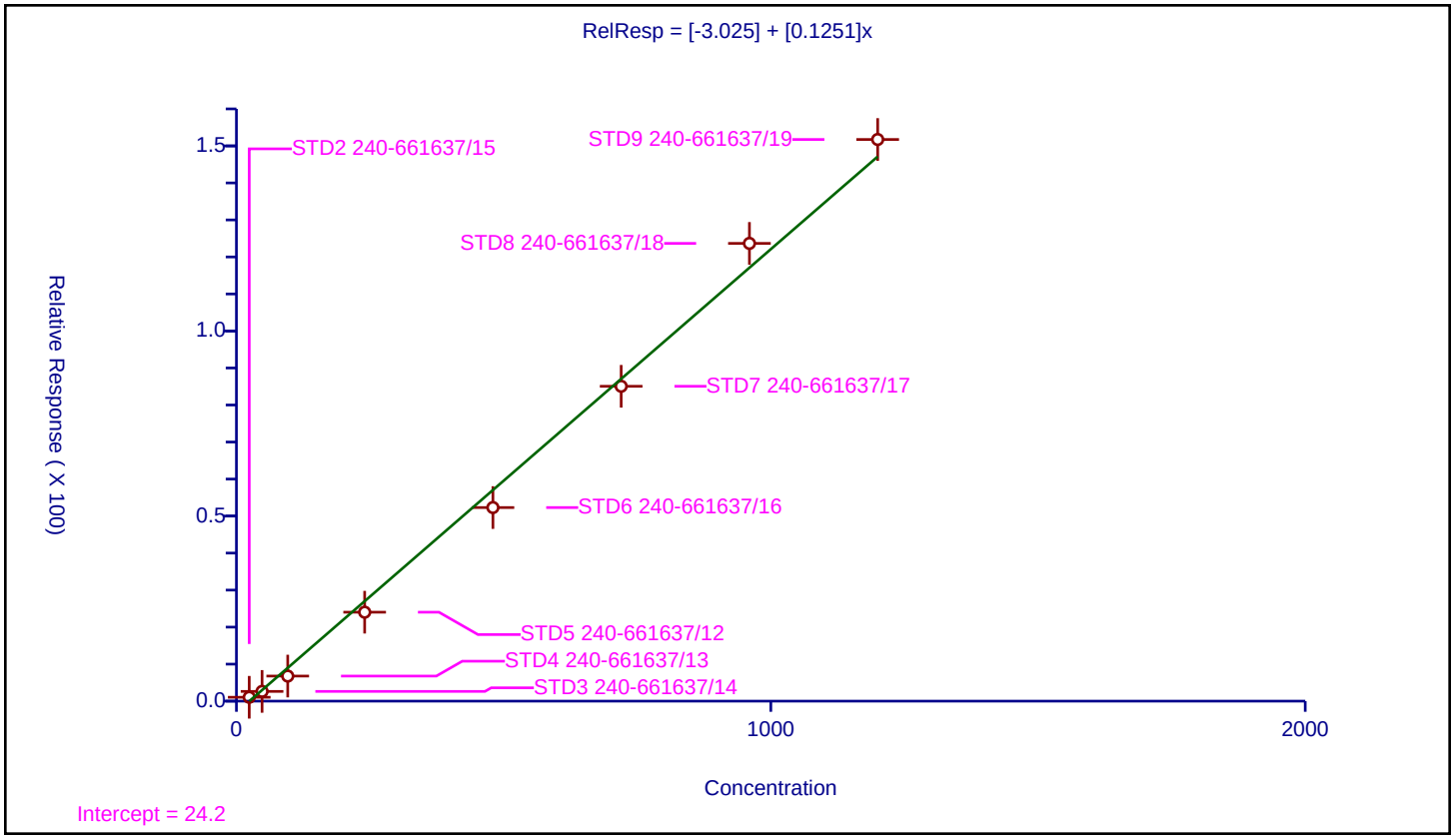
Curve Coefficients

Intercept:	-3.025
Slope:	0.1251

Error Coefficients

Relative Standard Deviation:	17.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	24.0	1.047514	400.0	255462.0	0.043646	Y
2	STD3 240-661637/14	48.0	2.63322	400.0	279050.0	0.054859	Y
3	STD4 240-661637/13	96.0	6.777343	400.0	286661.0	0.070597	Y
4	STD5 240-661637/12	240.0	24.031322	400.0	290654.0	0.100131	Y
5	STD6 240-661637/16	480.0	52.299566	400.0	305188.0	0.108957	Y
6	STD7 240-661637/17	720.0	85.060947	400.0	314866.0	0.11814	Y
7	STD8 240-661637/18	960.0	123.665093	400.0	322513.0	0.128818	Y
8	STD9 240-661637/19	1200.0	151.733948	400.0	326192.0	0.126445	Y



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Calibration / Aramite Peak 2

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

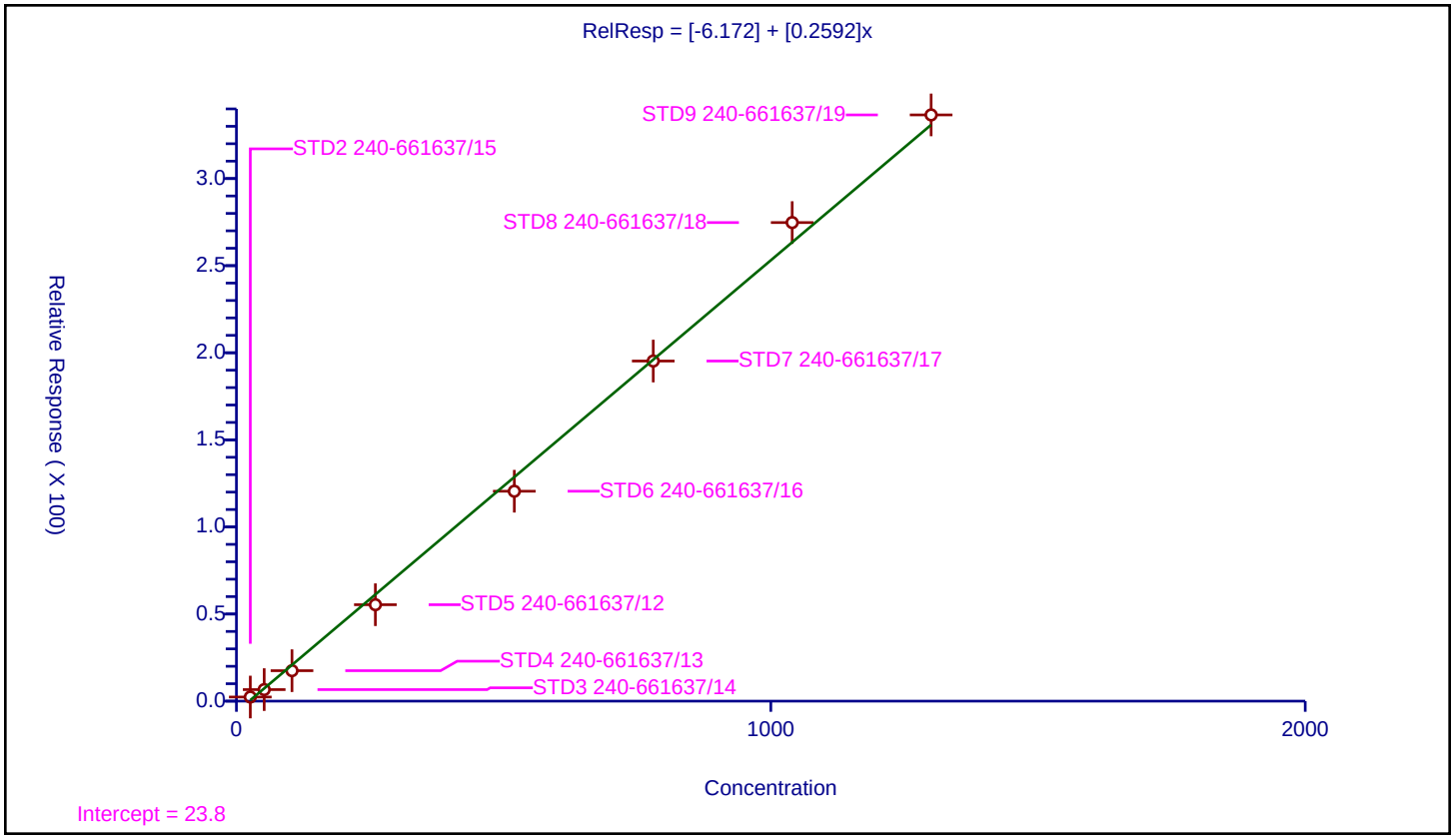
Curve Coefficients

Intercept:	-6.172
Slope:	0.2592

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	26.0	2.358081	400.0	255462.0	0.090695	Y
2	STD3 240-661637/14	52.0	6.632503	400.0	279050.0	0.127548	Y
3	STD4 240-661637/13	104.0	17.47709	400.0	286661.0	0.168049	Y
4	STD5 240-661637/12	260.0	55.359293	400.0	290654.0	0.21292	Y
5	STD6 240-661637/16	520.0	120.505393	400.0	305188.0	0.231741	Y
6	STD7 240-661637/17	780.0	195.251313	400.0	314866.0	0.250322	Y
7	STD8 240-661637/18	1040.0	274.741173	400.0	322513.0	0.264174	Y
8	STD9 240-661637/19	1300.0	336.539216	400.0	326192.0	0.258876	Y



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Calibration / p-Dimethylamino azobenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

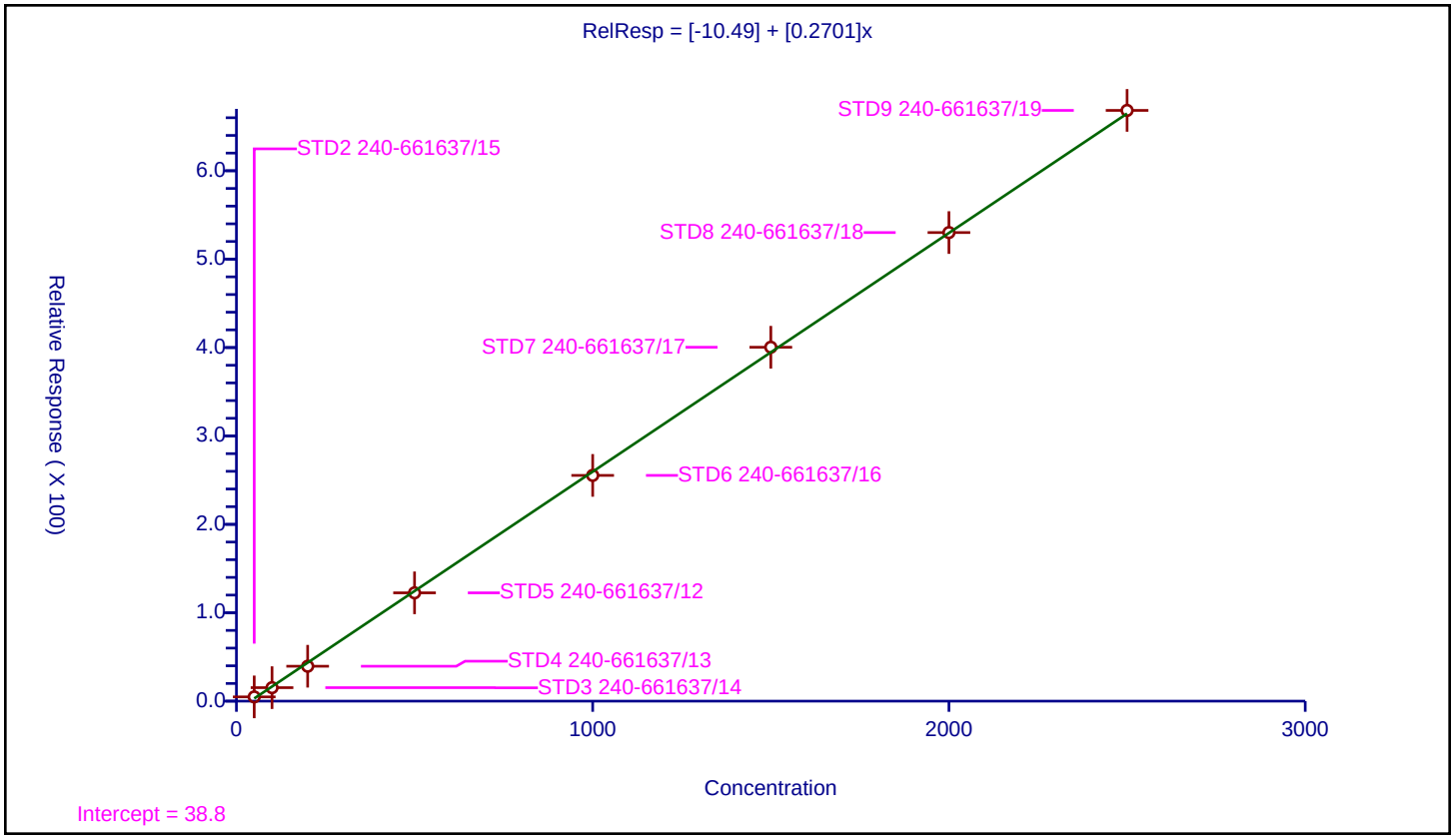
Curve Coefficients

Intercept:	-10.49
Slope:	0.2701

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	4.799148	400.0	255462.0	0.095983	Y
2	STD3 240-661637/14	100.0	15.246013	400.0	279050.0	0.15246	Y
3	STD4 240-661637/13	200.0	39.490548	400.0	286661.0	0.197453	Y
4	STD5 240-661637/12	500.0	122.515431	400.0	290654.0	0.245031	Y
5	STD6 240-661637/16	1000.0	255.361286	400.0	305188.0	0.255361	Y
6	STD7 240-661637/17	1500.0	400.36714	400.0	314866.0	0.266911	Y
7	STD8 240-661637/18	2000.0	530.09212	400.0	322513.0	0.265046	Y
8	STD9 240-661637/19	2500.0	668.271447	400.0	326192.0	0.267309	Y



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Calibration / Chlorobenzilate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

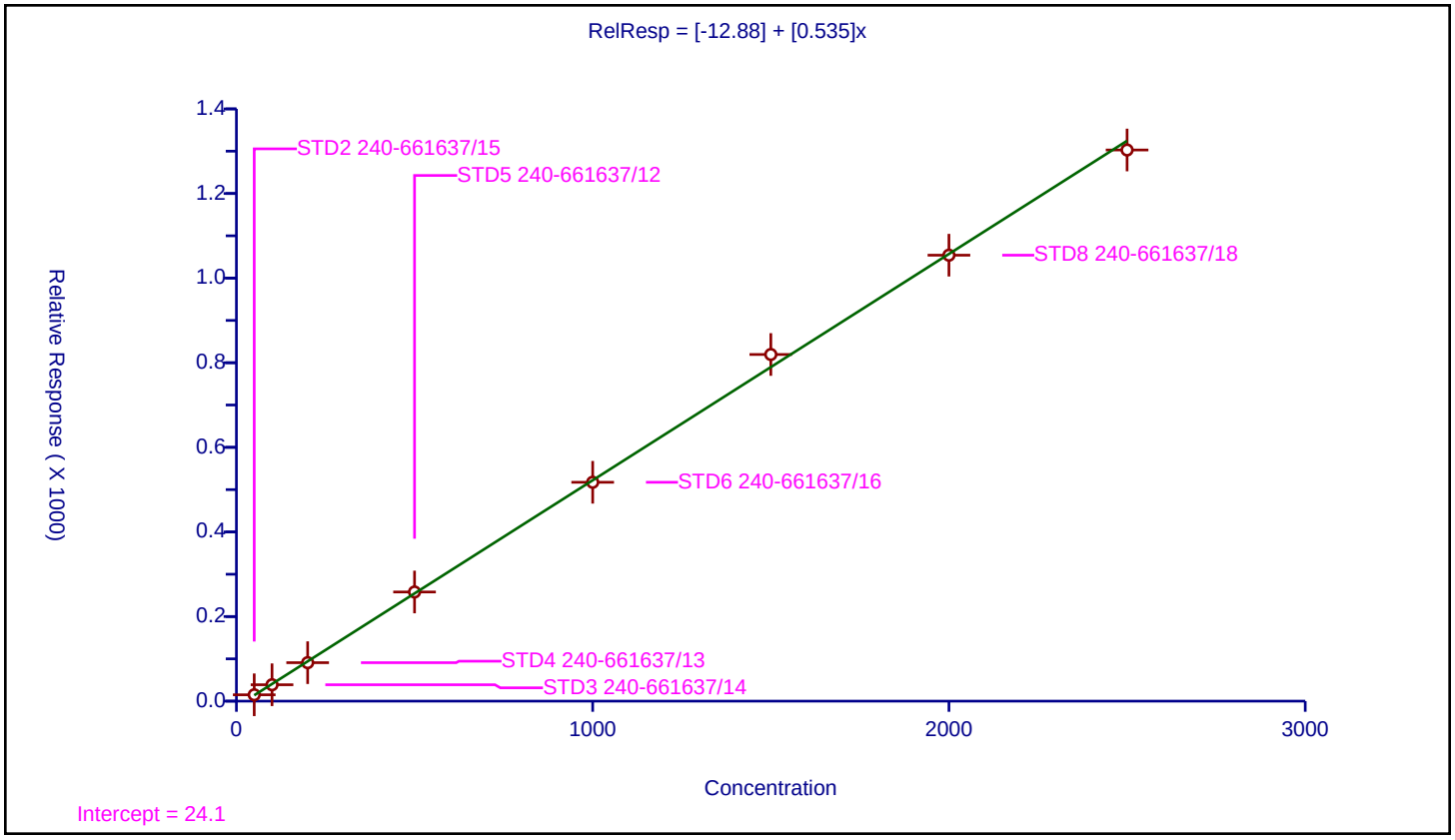
Curve Coefficients

Intercept:	-12.88
Slope:	0.535

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	15.00184	400.0	255462.0	0.300037	Y
2	STD3 240-661637/14	100.0	38.742878	400.0	279050.0	0.387429	Y
3	STD4 240-661637/13	200.0	90.935286	400.0	286661.0	0.454676	Y
4	STD5 240-661637/12	500.0	258.042896	400.0	290654.0	0.516086	Y
5	STD6 240-661637/16	1000.0	517.386005	400.0	305188.0	0.517386	Y
6	STD7 240-661637/17	1500.0	819.421595	400.0	314866.0	0.546281	Y
7	STD8 240-661637/18	2000.0	1054.168979	400.0	322513.0	0.527084	Y
8	STD9 240-661637/19	2500.0	1302.869476	400.0	326192.0	0.521148	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

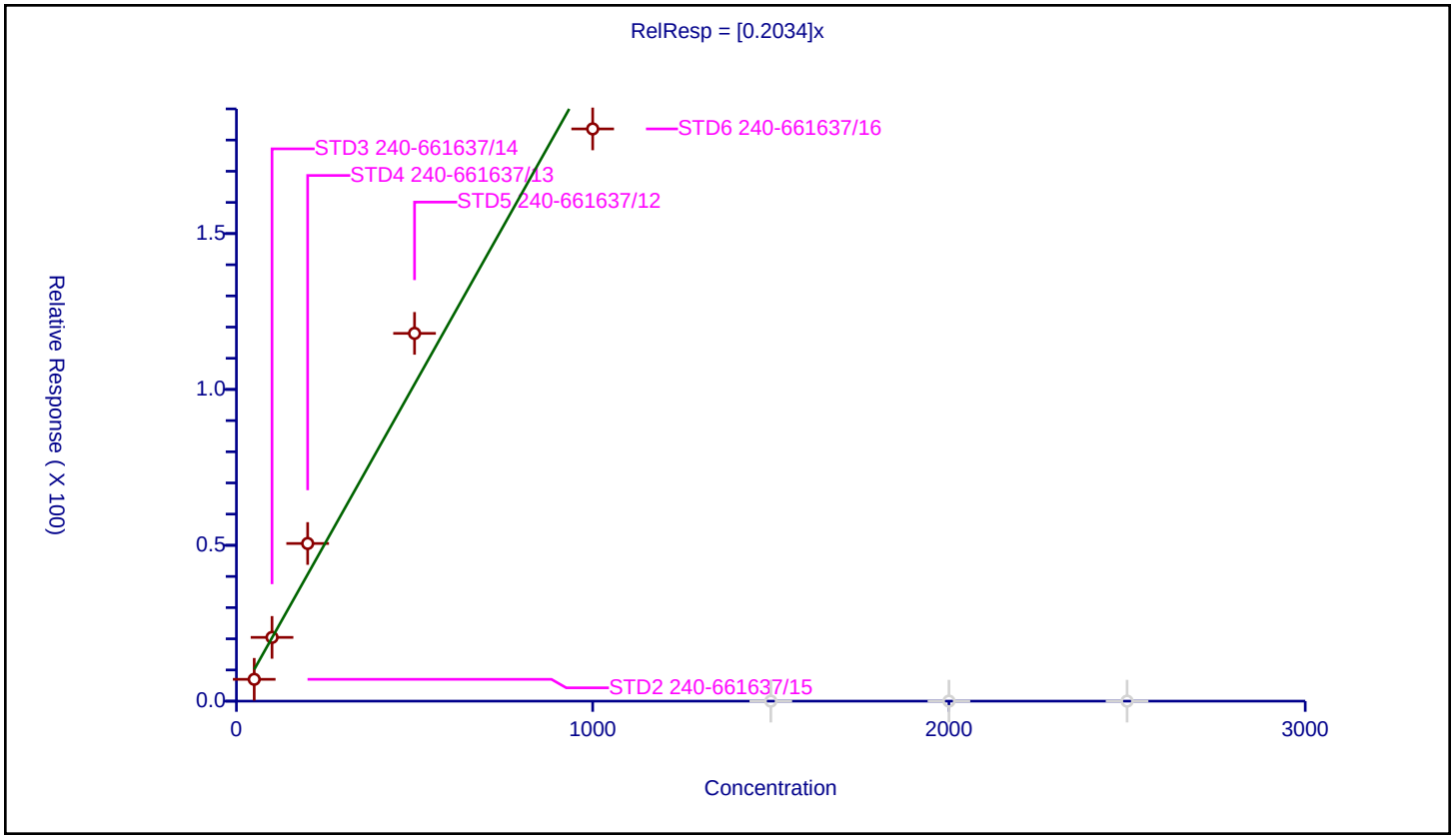
Curve Coefficients

Intercept:	0
Slope:	0.2034

Error Coefficients

Relative Standard Deviation:	21.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	6.999084	400.0	255462.0	0.139982	Y
2	STD3 240-661637/14	100.0	20.450815	400.0	279050.0	0.204508	Y
3	STD4 240-661637/13	200.0	50.575418	400.0	286661.0	0.252877	Y
4	STD5 240-661637/12	500.0	117.983582	400.0	290654.0	0.235967	Y
5	STD6 240-661637/16	1000.0	183.574715	400.0	305188.0	0.183575	Y
6	STD7 240-661637/17	1500.0	0.0	400.0	314866.0	0.0	N
7	STD8 240-661637/18	2000.0	0.0	400.0	322513.0	0.0	N
8	STD9 240-661637/19	2500.0	0.0	400.0	326192.0	0.0	N



Calibration / 3,3'-Dimethylbenzidine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

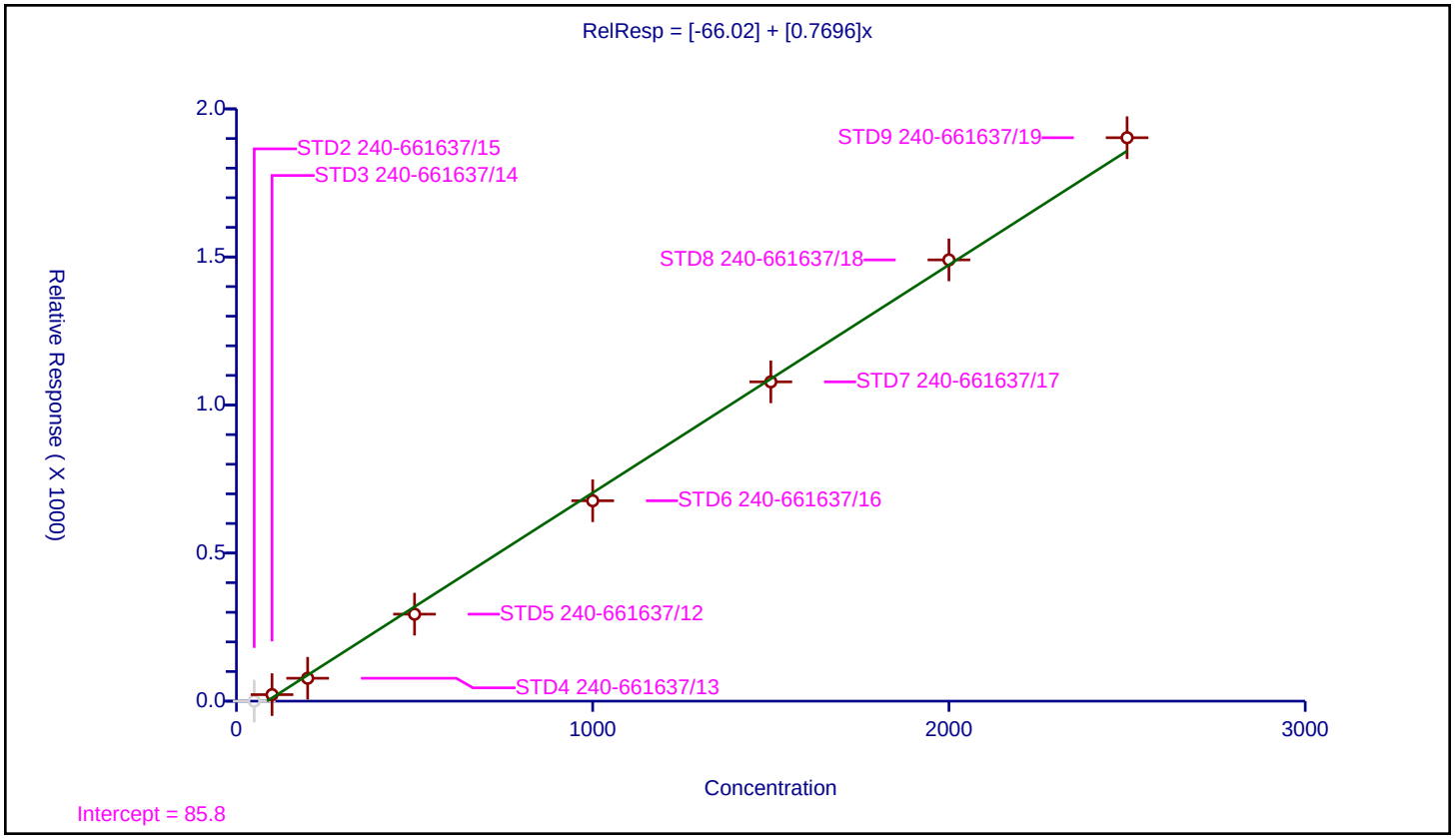
Curve Coefficients

Intercept:	-66.02
Slope:	0.7696

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	0.0	400.0	255462.0	0.0	N
2	STD3 240-661637/14	100.0	21.978857	400.0	279050.0	0.219789	Y
3	STD4 240-661637/13	200.0	77.313621	400.0	286661.0	0.386568	Y
4	STD5 240-661637/12	500.0	293.677018	400.0	290654.0	0.587354	Y
5	STD6 240-661637/16	1000.0	676.715991	400.0	305188.0	0.676716	Y
6	STD7 240-661637/17	1500.0	1078.301246	400.0	314866.0	0.718867	Y
7	STD8 240-661637/18	2000.0	1490.157606	400.0	322513.0	0.745079	Y
8	STD9 240-661637/19	2500.0	1902.640163	400.0	326192.0	0.761056	Y



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Calibration / 2-Acetylaminofluorene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

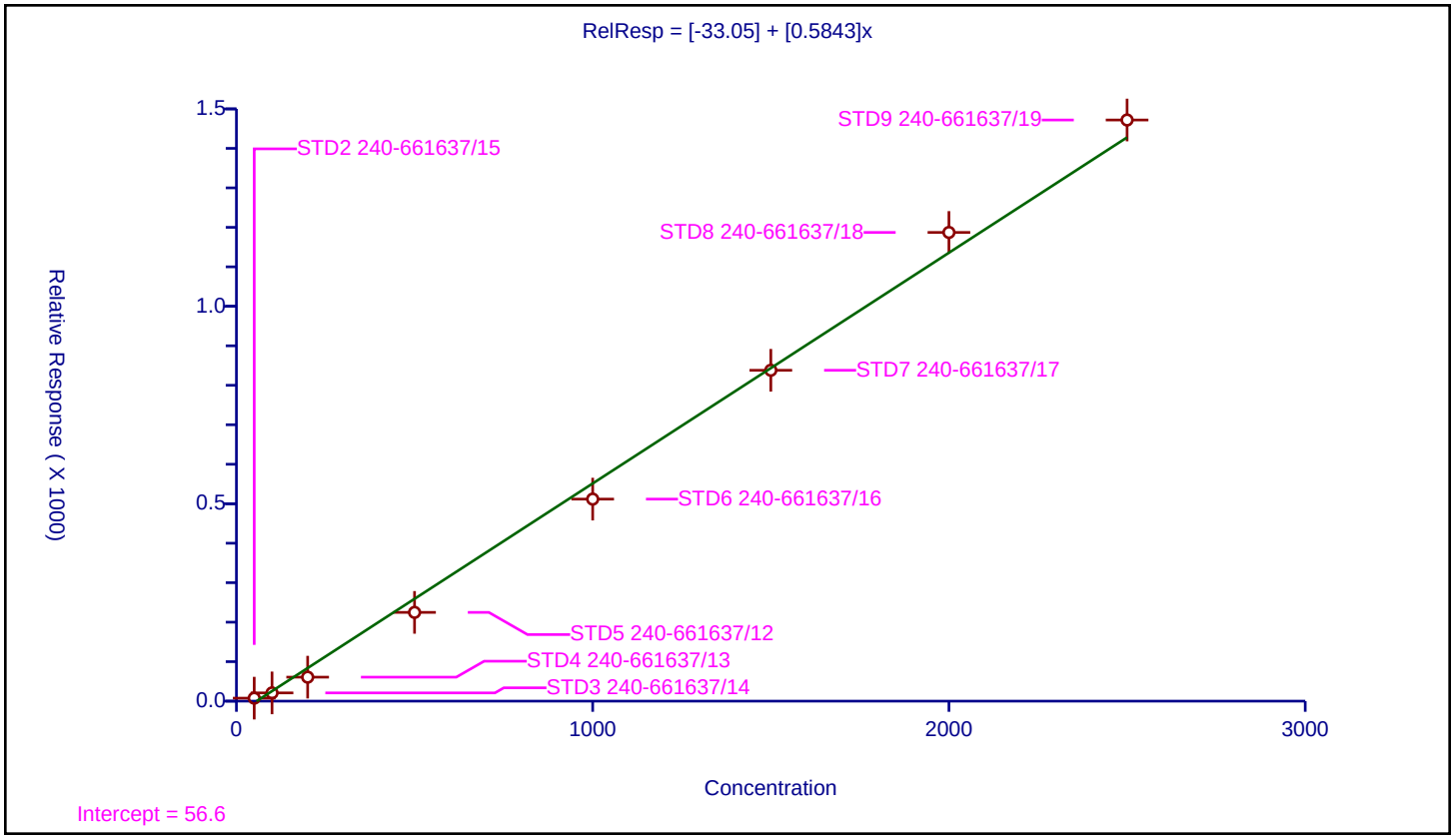
Curve Coefficients

Intercept:	-33.05
Slope:	0.5843

Error Coefficients

Relative Standard Deviation:	19.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	7.617571	400.0	255462.0	0.152351	Y
2	STD3 240-661637/14	100.0	20.865078	400.0	279050.0	0.208651	Y
3	STD4 240-661637/13	200.0	60.737945	400.0	286661.0	0.30369	Y
4	STD5 240-661637/12	500.0	224.799246	400.0	290654.0	0.449598	Y
5	STD6 240-661637/16	1000.0	511.7213	400.0	305188.0	0.511721	Y
6	STD7 240-661637/17	1500.0	837.998387	400.0	314866.0	0.558666	Y
7	STD8 240-661637/18	2000.0	1187.059126	400.0	322513.0	0.59353	Y
8	STD9 240-661637/19	2500.0	1471.887723	400.0	326192.0	0.588755	Y



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Calibration / 4,4'-Methylene bis(2-chloroaniline)

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

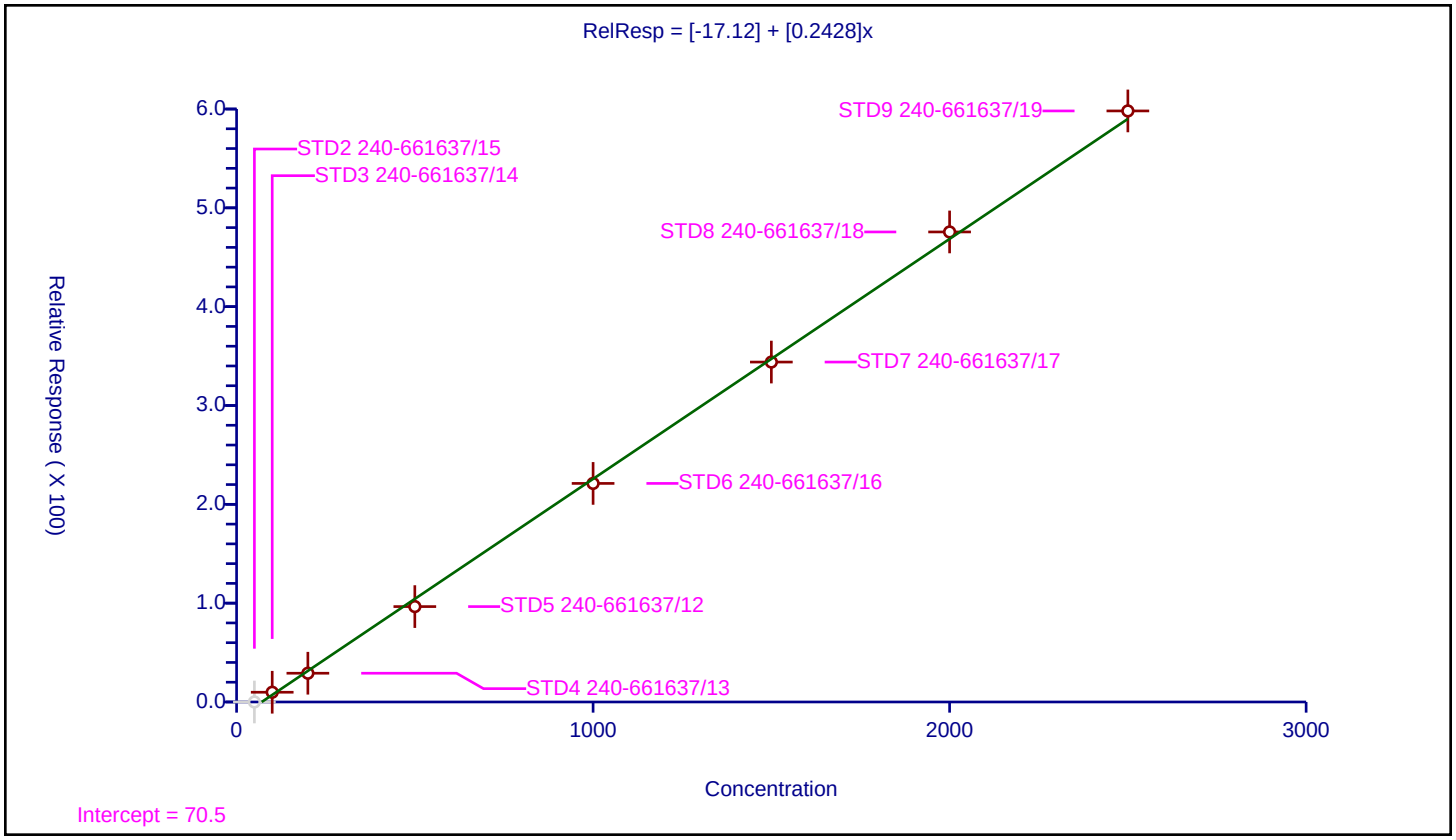
Curve Coefficients

Intercept:	-17.12
Slope:	0.2428

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	0.0	400.0	255462.0	0.0	N
2	STD3 240-661637/14	100.0	9.874933	400.0	279050.0	0.098749	Y
3	STD4 240-661637/13	200.0	29.111738	400.0	286661.0	0.145559	Y
4	STD5 240-661637/12	500.0	96.520261	400.0	290654.0	0.193041	Y
5	STD6 240-661637/16	1000.0	221.160727	400.0	305188.0	0.221161	Y
6	STD7 240-661637/17	1500.0	343.959653	400.0	314866.0	0.229306	Y
7	STD8 240-661637/18	2000.0	475.606255	400.0	322513.0	0.237803	Y
8	STD9 240-661637/19	2500.0	598.056359	400.0	326192.0	0.239223	Y



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Calibration / 6-Methylchrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

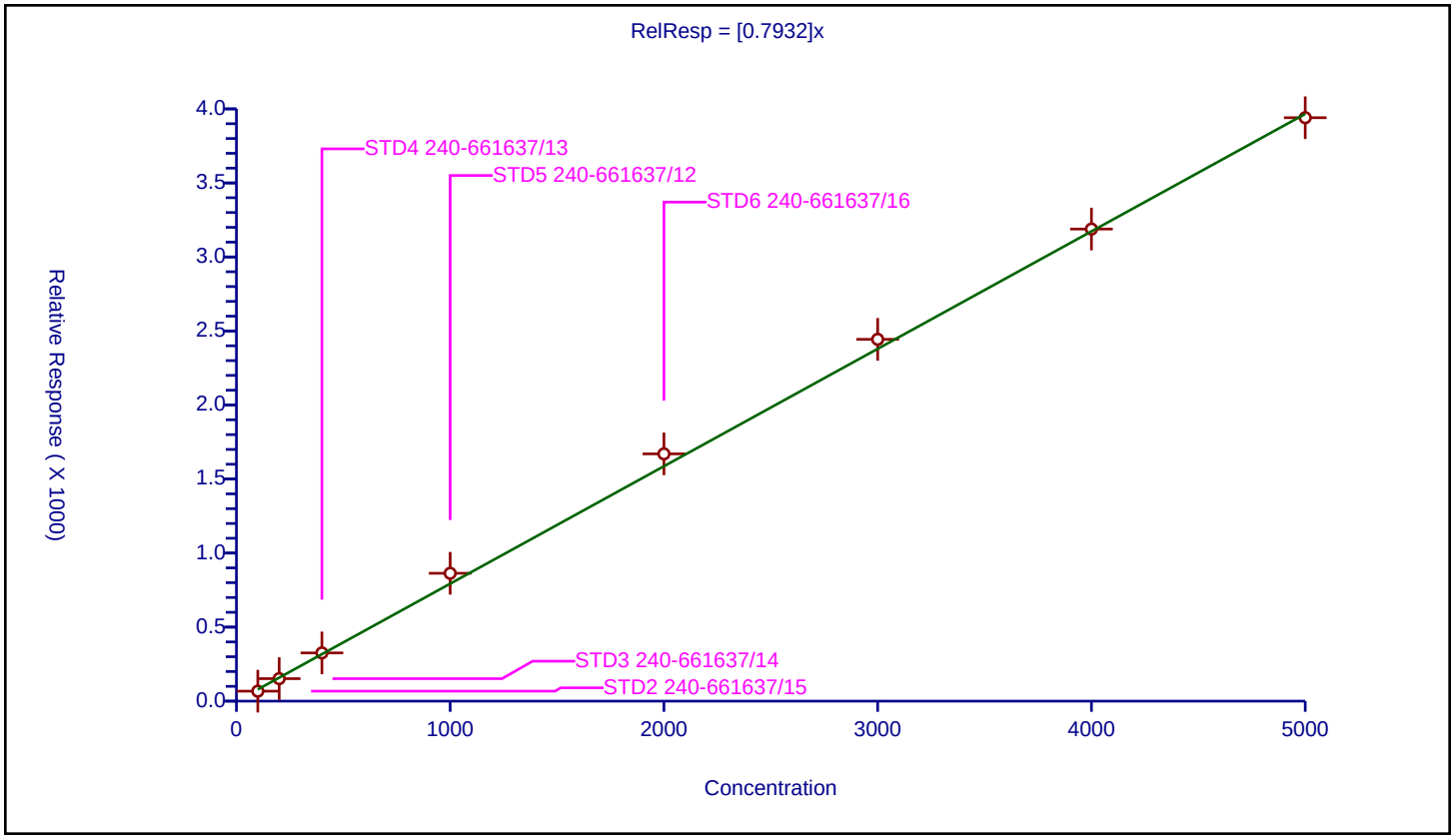
Curve Coefficients

Intercept:	0
Slope:	0.7932

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	100.0	67.385365	400.0	255462.0	0.673854	Y
2	STD3 240-661637/14	200.0	151.893926	400.0	279050.0	0.75947	Y
3	STD4 240-661637/13	400.0	325.602715	400.0	286661.0	0.814007	Y
4	STD5 240-661637/12	1000.0	863.495428	400.0	290654.0	0.863495	Y
5	STD6 240-661637/16	2000.0	1670.112848	400.0	305188.0	0.835056	Y
6	STD7 240-661637/17	3000.0	2443.596959	400.0	314866.0	0.814532	Y
7	STD8 240-661637/18	4000.0	3188.450698	400.0	322513.0	0.797113	Y
8	STD9 240-661637/19	5000.0	3940.527052	400.0	326192.0	0.788105	Y



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Calibration / 7,12-Dimethylbenz(a)anthracene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

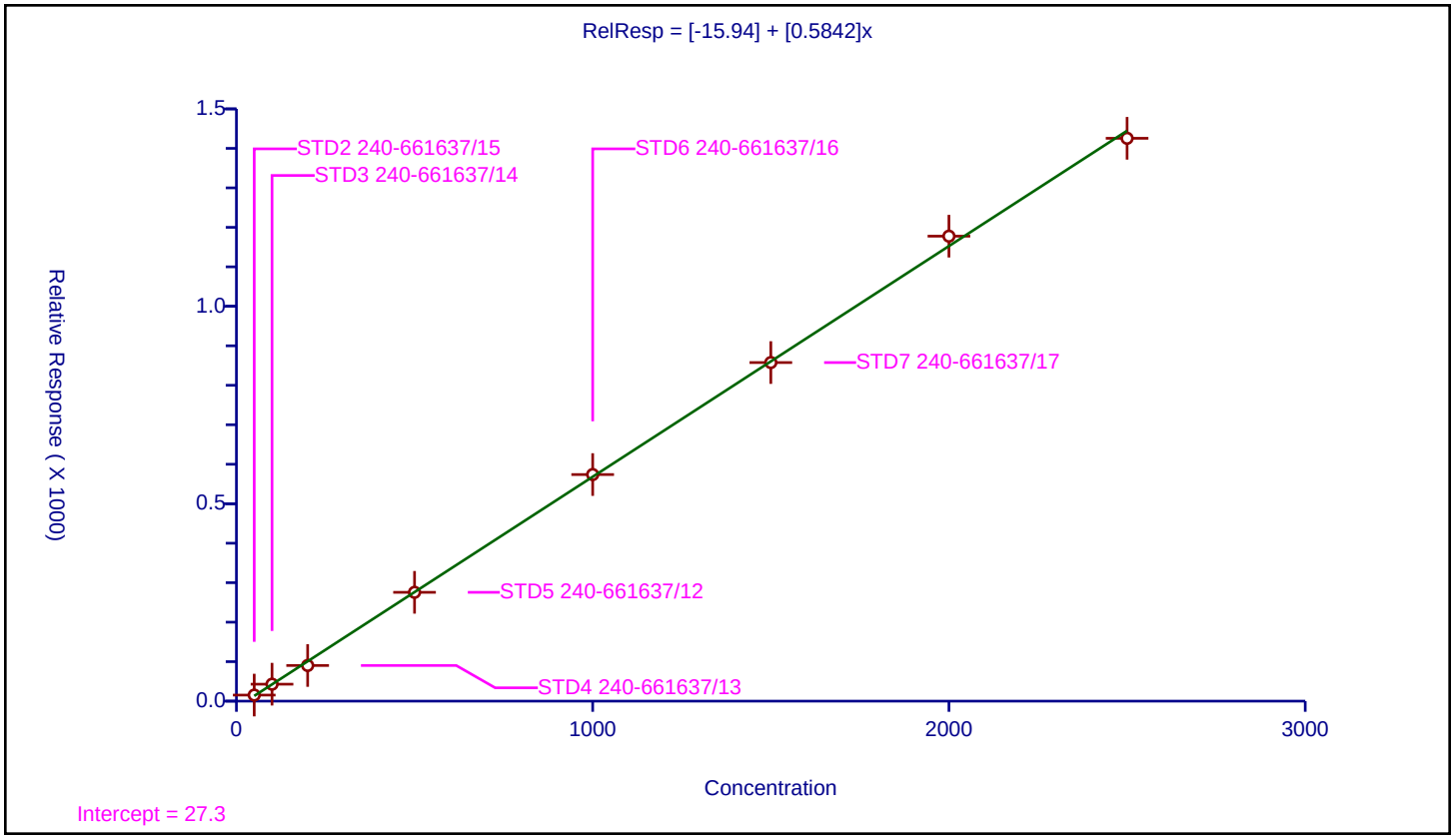
Curve Coefficients

Intercept:	-15.94
Slope:	0.5842

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	15.344276	400.0	234928.0	0.306886	Y
2	STD3 240-661637/14	100.0	42.921775	400.0	254407.0	0.429218	Y
3	STD4 240-661637/13	200.0	90.282009	400.0	277012.0	0.45141	Y
4	STD5 240-661637/12	500.0	275.596299	400.0	268783.0	0.551193	Y
5	STD6 240-661637/16	1000.0	573.861348	400.0	279563.0	0.573861	Y
6	STD7 240-661637/17	1500.0	857.52043	400.0	288308.0	0.57168	Y
7	STD8 240-661637/18	2000.0	1177.654188	400.0	293084.0	0.588827	Y
8	STD9 240-661637/19	2500.0	1425.55369	400.0	294298.0	0.570221	Y



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Calibration / 3-Methylcholanthrene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

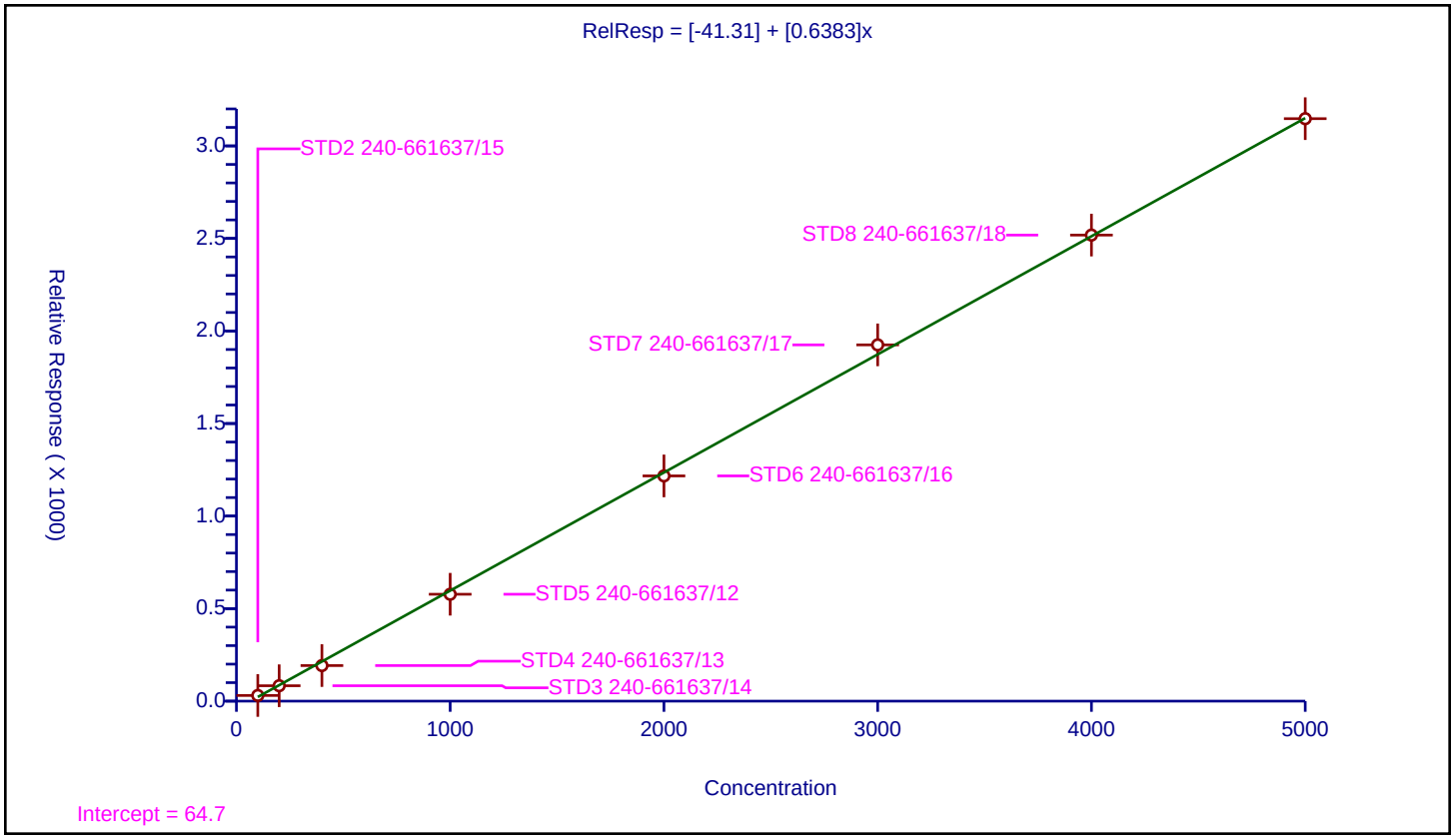
Curve Coefficients

Intercept:	-41.31
Slope:	0.6383

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	100.0	30.542124	400.0	234928.0	0.305421	Y
2	STD3 240-661637/14	200.0	83.315318	400.0	254407.0	0.416577	Y
3	STD4 240-661637/13	400.0	192.228496	400.0	277012.0	0.480571	Y
4	STD5 240-661637/12	1000.0	577.555872	400.0	268783.0	0.577556	Y
5	STD6 240-661637/16	2000.0	1216.975065	400.0	279563.0	0.608488	Y
6	STD7 240-661637/17	3000.0	1924.991329	400.0	288308.0	0.641664	Y
7	STD8 240-661637/18	4000.0	2518.110849	400.0	293084.0	0.629528	Y
8	STD9 240-661637/19	5000.0	3147.132498	400.0	294298.0	0.629426	Y



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Calibration / Dibenz[a,h]acridine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

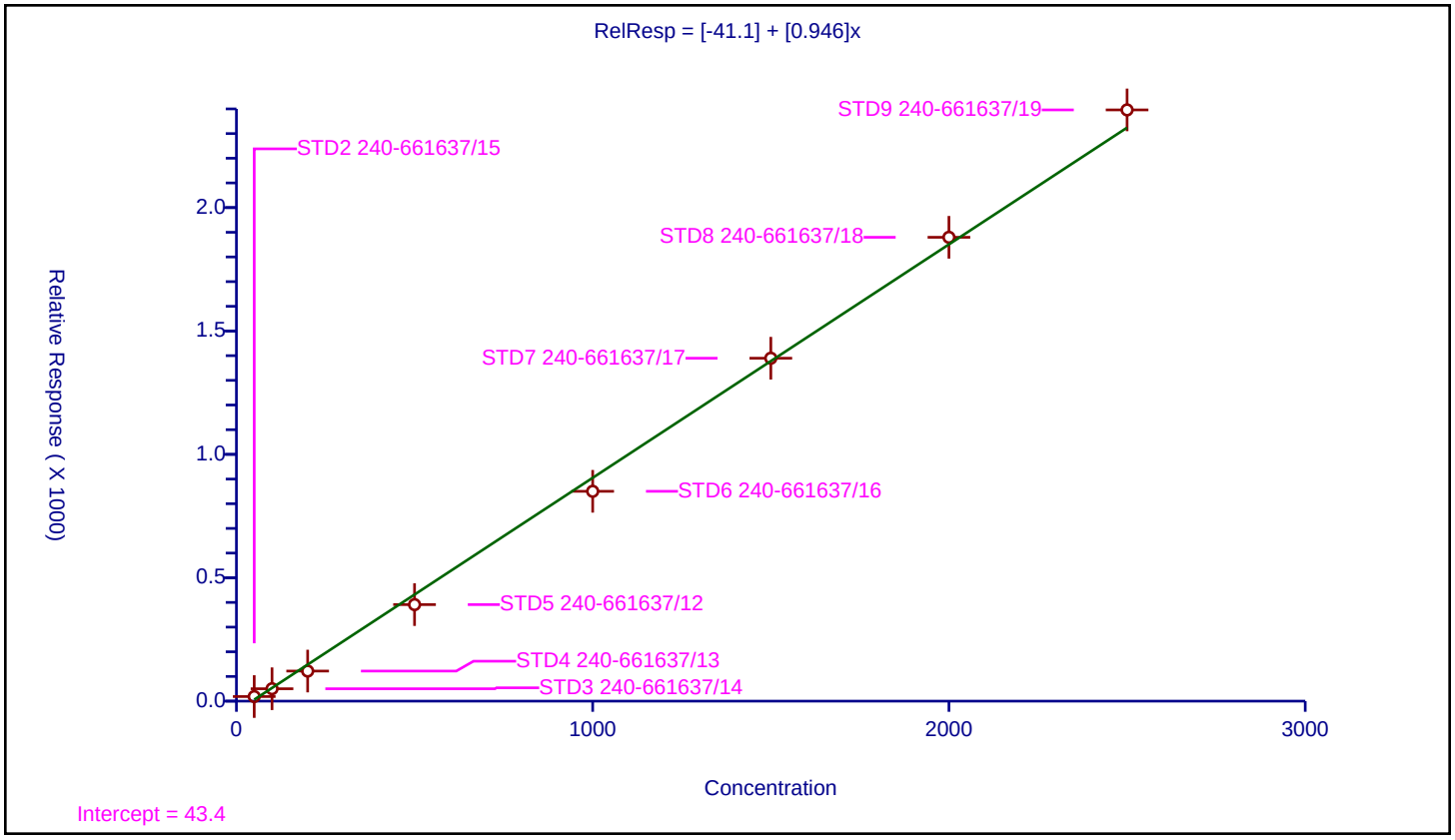
Curve Coefficients

Intercept:	-41.1
Slope:	0.946

Error Coefficients

Relative Standard Deviation:	13.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 240-661637/15	50.0	18.630389	400.0	234928.0	0.372608	Y
2	STD3 240-661637/14	100.0	50.292641	400.0	254407.0	0.502926	Y
3	STD4 240-661637/13	200.0	121.871977	400.0	277012.0	0.60936	Y
4	STD5 240-661637/12	500.0	391.175037	400.0	268783.0	0.78235	Y
5	STD6 240-661637/16	1000.0	850.335703	400.0	279563.0	0.850336	Y
6	STD7 240-661637/17	1500.0	1389.69158	400.0	288308.0	0.926461	Y
7	STD8 240-661637/18	2000.0	1879.669992	400.0	293084.0	0.939835	Y
8	STD9 240-661637/19	2500.0	2395.923859	400.0	294298.0	0.95837	Y



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FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-661637/11 | Calibration Date: 06/27/2025 11:23

Instrument ID: A4AG3 | Calib Start Date: 06/27/2025 08:00

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) | Calib End Date: 06/27/2025 11:00

Lab File ID: 250627011.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4094	0.3378		0.825	1.00	-17.5	30.0
N-Nitrosodimethylamine	Ave	0.9175	0.8811		0.960	1.00	-4.0	30.0
Pyridine	Ave	1.008	0.9323		1.85	2.00	-7.5	30.0
Benzaldehyde	Qua		0.6812	0.0100	2.15	2.00	7.3	30.0
Phenol	Ave	1.626	1.534	0.8000	0.943	1.00	-5.7	30.0
Aniline	Lin1		2.273		0.916	1.00	-8.4	30.0
Bis(2-chloroethyl)ether	Ave	1.626	1.535	0.7000	0.944	1.00	-5.6	30.0
2-Chlorophenol	Ave	1.390	1.273	0.8000	0.915	1.00	-8.5	30.0
n-Decane	Ave	1.792	1.747		0.975	1.00	-2.5	30.0
1,3-Dichlorobenzene	Ave	1.561	1.433		0.918	1.00	-8.2	30.0
1,4-Dichlorobenzene	Ave	1.601	1.482		0.926	1.00	-7.4	30.0
Benzyl alcohol	Lin1		0.9752		0.912	1.00	-8.8	30.0
1,2-Dichlorobenzene	Ave	1.558	1.426		0.915	1.00	-8.5	30.0
2-Methylphenol	Lin1		1.313	0.7000	0.900	1.00	-10.0	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.566	2.558		0.997	1.00	-0.3	30.0
Indene	Ave	2.610	2.450		1.88	2.00	-6.1	30.0
3 & 4 Methylphenol	Lin1		1.359		0.892	1.00	-10.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.075	1.088	0.5000	1.01	1.00	1.1	30.0
Acetophenone	Ave	2.169	2.149	0.0100	0.991	1.00	-0.9	30.0
Hexachloroethane	Ave	0.6803	0.6422	0.3000	0.944	1.00	-5.6	30.0
Nitrobenzene	Ave	0.3808	0.3800	0.2000	0.998	1.00	-0.2	30.0
Isophorone	Ave	0.7314	0.6985	0.4000	0.955	1.00	-4.5	30.0
2-Nitrophenol	Ave	0.1743	0.1716	0.1000	0.984	1.00	-1.6	30.0
2,4-Dimethylphenol	Ave	0.3451	0.3395	0.2000	0.984	1.00	-1.6	30.0
Benzoic acid	Lin1		0.1564		1.57	2.00	-21.3	30.0
Bis(2-chloroethoxy)methane	Ave	0.4538	0.4368	0.3000	0.962	1.00	-3.8	30.0
2,4-Dichlorophenol	Ave	0.2485	0.2467	0.2000	0.993	1.00	-0.7	30.0
1,2,4-Trichlorobenzene	Ave	0.2812	0.2623		0.933	1.00	-6.7	30.0
Naphthalene	Ave	1.076	1.014	0.7000	0.942	1.00	-5.8	30.0
4-Chloroaniline	Lin1		0.4033	0.0100	0.994	1.00	-0.6	30.0
2,6-Dichlorophenol	Ave	0.2637	0.2609		0.989	1.00	-1.1	30.0
Hexachlorobutadiene	Ave	0.1484	0.1360	0.0100	0.916	1.00	-8.4	30.0
Caprolactam	Ave	0.1161	0.1112	0.0100	1.91	2.00	-4.3	30.0
4-Chloro-3-methylphenol	Ave	0.3060	0.2867	0.2000	0.937	1.00	-6.3	30.0
2-Methylnaphthalene	Ave	0.6303	0.6243	0.4000	0.991	1.00	-0.9	30.0
1-Methylnaphthalene	Ave	0.6636	0.5988		0.902	1.00	-9.8	30.0
Hexachlorocyclopentadiene	Ave	0.2916	0.3056	0.0500	1.05	1.00	4.8	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4400	0.4615	0.0100	1.05	1.00	4.9	30.0
2,4,6-Trichlorophenol	Ave	0.3252	0.3184	0.2000	0.979	1.00	-2.1	30.0
2,4,5-Trichlorophenol	Ave	0.3495	0.3473	0.2000	0.994	1.00	-0.6	30.0
1,1'-Biphenyl	Ave	1.487	1.433	0.0100	0.964	1.00	-3.6	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-661637/11 | Calibration Date: 06/27/2025 11:23

Instrument ID: A4AG3 | Calib Start Date: 06/27/2025 08:00

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) | Calib End Date: 06/27/2025 11:00

Lab File ID: 250627011.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.134	1.121	0.8000	0.988	1.00	-1.2	30.0
2-Nitroaniline	Ave	0.3648	0.3943	0.0100	1.08	1.00	8.1	30.0
Dimethyl phthalate	Ave	1.239	1.202	0.0100	0.970	1.00	-3.0	30.0
1,3-Dinitrobenzene	Lin1		0.2035		0.940	1.00	-6.0	30.0
2,6-Dinitrotoluene	Ave	0.2739	0.2894		1.06	1.00	5.7	30.0
Acenaphthylene	Ave	1.812	1.784	0.9000	0.985	1.00	-1.5	30.0
3-Nitroaniline	Lin1		0.3001	0.0100	0.970	1.00	-3.0	30.0
2,4-Dinitrophenol	Lin1		0.1584	0.0100	1.90	2.00	-5.2	30.0
Acenaphthene	Ave	1.158	1.112	0.9000	0.961	1.00	-3.9	30.0
4-Nitrophenol	Lin1		0.2074		2.06	2.00	3.2	30.0
2,4-Dinitrotoluene	Lin1		0.3739	0.2000	0.940	1.00	-6.0	30.0
Dibenzofuran	Ave	1.587	1.551	0.8000	0.977	1.00	-2.3	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.2456	0.2472	0.0100	1.01	1.00	0.6	30.0
Diethyl phthalate	Ave	1.261	1.239	0.0100	0.982	1.00	-1.8	30.0
4-Chlorophenyl phenyl ether	Ave	0.5501	0.5420	0.4000	0.985	1.00	-1.5	30.0
4-Nitroaniline	Ave	0.3004	0.3038	0.0100	1.01	1.00	1.1	30.0
Fluorene	Ave	1.280	1.243	0.9000	0.971	1.00	-2.9	30.0
4,6-Dinitro-2-methylphenol	Lin1		0.1241	0.0100	1.77	2.00	-11.7	30.0
Diphenylamine	Ave	0.7044	0.6686		0.813	0.857	-5.1	30.0
N-Nitrosodiphenylamine	Ave	0.5988	0.5730	0.0100	0.957	1.00	-4.3	30.0
Azobenzene	Ave	0.9676	0.9668		0.999	1.00	-0.0	30.0
4-Bromophenyl phenyl ether	Ave	0.1843	0.1704	0.1000	0.925	1.00	-7.5	30.0
Hexachlorobenzene	Ave	0.1928	0.1779	0.1000	0.923	1.00	-7.7	30.0
Atrazine	Ave	0.1826	0.1790	0.0100	1.96	2.00	-2.0	30.0
n-Octadecane	Ave	0.5918	0.5827		0.985	1.00	-1.5	30.0
Pentachlorophenol	Lin1		0.1127	0.0500	1.80	2.00	-9.8	30.0
Phenanthrene	Ave	1.157	1.078	0.7000	0.932	1.00	-6.8	30.0
Anthracene	Ave	1.126	1.084	0.7000	0.963	1.00	-3.7	30.0
Carbazole	Ave	1.108	1.055	0.0100	0.952	1.00	-4.8	30.0
Di-n-butyl phthalate	Ave	1.273	1.324	0.0100	1.04	1.00	4.0	30.0
Fluoranthene	Ave	1.077	1.044	0.6000	0.969	1.00	-3.1	30.0
Benzidine	Lin1		0.5894		1.68	2.00	-16.1	30.0
Pyrene	Ave	1.535	1.376	0.6000	0.896	1.00	-10.4	30.0
Butyl benzyl phthalate	Lin1		0.7056	0.0100	0.914	1.00	-8.6	30.0
3,3'-Dichlorobenzidine	Lin1		0.3767	0.0100	1.73	2.00	-13.7	30.0
Bis(2-ethylhexyl) phthalate	Lin1		0.9090	0.0100	0.937	1.00	-6.3	30.0
Benzo[a]anthracene	Ave	1.298	1.193	0.8000	0.919	1.00	-8.1	30.0
Chrysene	Ave	1.285	1.197	0.7000	0.932	1.00	-6.8	30.0
Di-n-octyl phthalate	Lin1		1.611	0.0100	0.913	1.00	-8.7	30.0
Benzo[b]fluoranthene	Qua2		1.194	0.7000	1.01	1.00	1.2	30.0
Benzo[k]fluoranthene	Ave	1.334	1.322	0.7000	0.991	1.00	-0.9	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-661637/11 Calibration Date: 06/27/2025 11:23

Instrument ID: A4AG3 Calib Start Date: 06/27/2025 08:00

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 06/27/2025 11:00

Lab File ID: 250627011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Qua2		1.129	0.7000	0.987	1.00	-1.3	30.0
Indeno[1,2,3-cd]pyrene	Qua2		1.261	0.5000	0.954	1.00	-4.6	30.0
Dibenz(a,h)anthracene	Qua2		1.077	0.4000	1.01	1.00	1.4	30.0
Benzo[g,h,i]perylene	Qua2		1.065	0.5000	0.940	1.00	-6.0	30.0
2-Fluorophenol (Surr)	Ave	0.9665	0.9369		0.969	1.00	-3.1	30.0
Phenol-d5 (Surr)	Ave	1.564	1.503		0.961	1.00	-3.9	30.0
Nitrobenzene-d5 (Surr)	Ave	0.4146	0.4247		1.02	1.00	2.4	30.0
2-Fluorobiphenyl (Surr)	Ave	1.306	1.283		0.982	1.00	-1.8	30.0
2,4,6-Tribromophenol (Surr)	Ave	0.1363	0.1408		1.03	1.00	3.3	30.0
Terphenyl-d14 (Surr)	Lin1		0.9487		0.939	1.00	-6.1	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627011.D
Lims ID: icv lst1
Client ID:
Sample Type: ICV
Inject. Date: 27-Jun-2025 11:23:28 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: ICV LST1
Misc. Info.: 240-0156317-011
Operator ID: Instrument ID: A4AG3
Sublist:

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 28-Jun-2025 12:29:53 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1653

First Level Reviewer: KDZ4 Date: 27-Jun-2025 13:08:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.305	6.299	0.006	96	115056	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	506823	400.0	400.0	
* 3 Acenaphthene-d10	164	8.846	8.852	-0.006	92	263019	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.105	0.000	98	417210	400.0	400.0	
* 5 Chrysene-d12	240	12.728	12.734	-0.006	98	334046	400.0	400.0	
* 6 Perylene-d12	264	14.869	14.875	-0.006	96	299323	400.0	400.0	
$ 7 2-Fluorophenol	112	5.199	5.193	0.006	93	269495	1000.0	969.3	
$ 8 Phenol-d5	99	5.958	5.958	0.000	0	432263	1000.0	961.0	
$ 9 Nitrobenzene-d5	82	6.752	6.752	0.000	91	538130	1000.0	1024.4	
$ 10 2-Fluorobiphenyl (Surr)	172	8.257	8.252	0.000	99	843508	1000.0	982.1	
$ 11 2,4,6-Tribromophenol	330	9.510	9.504	0.000	90	92559	1000.0	1032.7	
$ 12 Terphenyl-d14	244	11.469	11.475	-0.006	97	792256	1000.0	939.0	
13 1,4-Dioxane	88	3.593	3.593	0.000	98	97175	1000.0	825.2	
14 N-Nitrosodimethylamine	74	3.899	3.893	0.006	93	253443	1000.0	960.4	
15 Pyridine	79	3.964	3.958	0.006	89	536335	2000.0	1849.0	
26 Benzaldehyde	77	5.928	5.928	0.000	93	391868	2000.0	2145.3	
27 Phenol	94	5.969	5.969	0.000	99	441173	1000.0	943.5	
29 Aniline	93	6.016	6.016	0.000	98	653913	1000.0	916.5	
30 Bis(2-chloroethyl)ether	93	6.052	6.052	0.000	96	441517	1000.0	943.8	
32 2-Chlorophenol	128	6.128	6.128	0.000	97	366026	1000.0	915.5	
33 n-Decane	57	6.152	6.152	0.000	91	502475	1000.0	974.7	
34 1,3-Dichlorobenzene	146	6.258	6.258	0.000	96	412209	1000.0	918.3	
36 1,4-Dichlorobenzene	146	6.316	6.316	0.000	93	426263	1000.0	925.6	
37 Benzyl alcohol	108	6.393	6.393	0.000	93	280502	1000.0	911.6	
39 1,2-Dichlorobenzene	146	6.452	6.452	0.000	96	410130	1000.0	915.3	
40 2-Methylphenol	108	6.475	6.475	0.000	95	377770	1000.0	900.1	
41 2,2'-oxybis[1-chloropropane]	45	6.505	6.505	0.000	94	735725	1000.0	996.7	
42 Indene	115	6.522	6.522	0.000	91	1409504	2000.0	1877.2	
45 3 & 4 Methylphenol	108	6.599	6.599	0.000	96	390770	1000.0	891.8	
46 N-Nitrosodi-n-propylamine	70	6.605	6.605	0.000	93	312825	1000.0	1011.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.616	6.616	0.000	96	618255	1000.0	991.2	
49 Hexachloroethane	117	6.740	6.740	0.000	93	184717	1000.0	944.0	
51 Nitrobenzene	77	6.769	6.769	0.000	89	481523	1000.0	997.9	
53 Isophorone	82	6.958	6.958	0.000	99	885012	1000.0	955.0	
55 2-Nitrophenol	139	7.034	7.040	-0.006	97	217443	1000.0	984.4	
54 2,4-Dimethylphenol	107	7.046	7.046	0.000	95	430171	1000.0	983.9	
57 Benzoic acid	122	7.093	7.069	0.024	93	396223	2000.0	1574.4	M
58 Bis(2-chloroethoxy)methane	93	7.116	7.116	0.000	98	553394	1000.0	962.4	
61 2,4-Dichlorophenol	162	7.234	7.234	0.000	97	312622	1000.0	992.9	
63 1,2,4-Trichlorobenzene	180	7.316	7.316	0.000	94	332381	1000.0	932.8	
64 Naphthalene	128	7.387	7.387	0.000	97	1285131	1000.0	942.4	
65 4-Chloroaniline	127	7.410	7.410	0.000	96	511051	1000.0	993.5	
66 2,6-Dichlorophenol	162	7.422	7.428	-0.006	99	330582	1000.0	989.4	
68 Hexachlorobutadiene	225	7.493	7.493	0.000	98	172272	1000.0	916.4	
72 Caprolactam	113	7.681	7.669	0.012	77	281804	2000.0	1914.9	
73 4-Chloro-3-methylphenol	107	7.793	7.793	0.000	98	363279	1000.0	937.0	
76 2-Methylnaphthalene	142	7.963	7.963	0.000	92	791045	1000.0	990.6	
79 1-Methylnaphthalene	142	8.052	8.052	0.000	94	758768	1000.0	902.4	
82 Hexachlorocyclopentadiene	237	8.105	8.099	0.001	95	200917	1000.0	1047.9	
83 1,2,4,5-Tetrachlorobenzene	216	8.110	8.105	0.000	98	303435	1000.0	1048.7	
85 2,4,6-Trichlorophenol	196	8.193	8.187	0.000	94	209380	1000.0	979.1	
86 2,4,5-Trichlorophenol	196	8.222	8.217	0.000	91	228356	1000.0	993.6	
88 1,1'-Biphenyl	154	8.346	8.340	0.000	95	942487	1000.0	963.9	
89 2-Chloronaphthalene	162	8.375	8.370	0.000	98	737264	1000.0	988.4	
91 2-Nitroaniline	65	8.440	8.434	0.000	84	259282	1000.0	1080.9	
94 Dimethyl phthalate	163	8.575	8.569	0.000	98	790116	1000.0	969.7	
95 1,3-Dinitrobenzene	168	8.605	8.599	0.001	83	133807	1000.0	940.3	
96 2,6-Dinitrotoluene	165	8.628	8.622	0.000	92	190292	1000.0	1056.7	
97 Acenaphthylene	152	8.728	8.728	-0.006	98	1172886	1000.0	984.5	
98 3-Nitroaniline	138	8.781	8.775	0.000	94	197360	1000.0	969.6	
99 2,4-Dinitrophenol	184	8.863	8.857	0.000	81	208358	2000.0	1896.8	
100 Acenaphthene	153	8.875	8.869	0.000	93	731516	1000.0	961.0	
101 4-Nitrophenol	109	8.893	8.887	0.000	95	272774	2000.0	2063.2	
102 2,4-Dinitrotoluene	165	8.975	8.969	0.000	90	245888	1000.0	940.0	
104 Dibenzofuran	168	9.016	9.010	0.000	96	1019539	1000.0	976.7	
108 2,3,4,6-Tetrachlorophenol	232	9.116	9.110	0.000	80	162545	1000.0	1006.5	
111 Diethyl phthalate	149	9.157	9.151	0.000	97	814656	1000.0	982.1	
110 Hexadecane	57	9.169	9.163	0.000	90	657412	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.287	9.281	0.000	96	356393	1000.0	985.3	
115 4-Nitroaniline	138	9.293	9.286	0.000	83	199788	1000.0	1011.4	
116 Fluorene	166	9.310	9.304	0.000	95	817227	1000.0	970.9	
117 4,6-Dinitro-2-methylphenol	198	9.322	9.322	0.000	72	258838	2000.0	1766.4	
118 N-Nitrosodiphenylamine	169	9.375	9.381	-0.006	63	597613	1000.0	956.9	
119 Diphenylamine	169	9.375	9.381	-0.006	95	597613	857.0	813.4	
120 Azobenzene	77	9.416	9.422	-0.006	100	1008421	1000.0	999.2	
121 1,2-Diphenylhydrazine	77	9.416	9.428	-0.012	41	1008064	1000.0	998.8	a
128 4-Bromophenyl phenyl ether	248	9.699	9.699	0.000	74	177765	1000.0	924.6	
131 Hexachlorobenzene	284	9.787	9.787	0.000	89	185581	1000.0	922.9	
130 Atrazine	200	9.799	9.799	0.000	88	373324	2000.0	1959.8	
135 Pentachlorophenol	266	9.940	9.940	0.000	85	235183	2000.0	1804.5	
133 n-Octadecane	57	9.934	9.940	-0.006	93	607723	1000.0	984.5	
139 Phenanthrene	178	10.122	10.122	0.000	98	1124190	1000.0	931.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
140 Anthracene	178	10.163	10.169	-0.006	99	1131140	1000.0	963.0	
142 Carbazole	167	10.281	10.281	0.000	96	1100556	1000.0	952.3	
144 Di-n-butyl phthalate	149	10.528	10.528	0.000	100	1380777	1000.0	1039.9	
149 Fluoranthene	202	11.146	11.146	0.000	98	1089102	1000.0	969.4	
150 Benzidine	184	11.228	11.228	0.000	99	984492	2000.0	1677.1	
151 Pyrene	202	11.369	11.369	0.000	97	1148900	1000.0	896.5	
157 Butyl benzyl phthalate	149	11.951	11.957	-0.006	98	589283	1000.0	914.3	
163 3,3'-Dichlorobenzidine	252	12.645	12.645	0.000	76	629158	2000.0	1726.5	
162 Bis(2-ethylhexyl) phthalate	149	12.645	12.651	-0.006	98	759156	1000.0	936.6	
164 Benzo[a]anthracene	228	12.716	12.716	0.000	99	995880	1000.0	918.8	
165 Chrysene	228	12.769	12.769	0.000	98	999405	1000.0	931.6	
167 Di-n-octyl phthalate	149	13.563	13.564	-0.006	99	1205225	1000.0	913.1	
169 Benzo[b]fluoranthene	252	14.275	14.269	0.000	98	893526	1000.0	1011.7	
170 Benzo[k]fluoranthene	252	14.310	14.310	-0.006	99	989184	1000.0	991.0	
171 Benzo[a]pyrene	252	14.787	14.781	0.001	80	845154	1000.0	987.5	
175 Indeno[1,2,3-cd]pyrene	276	16.598	16.592	0.000	94	943935	1000.0	954.0	
176 Dibenz(a,h)anthracene	278	16.610	16.609	-0.006	91	805692	1000.0	1013.7	
177 Benzo[g,h,i]perylene	276	17.081	17.080	-0.005	95	797155	1000.0	940.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SMLIST1 SS W_00028 Amount Added: 0.10 Units: mL

Report Date: 28-Jun-2025 12:29:57 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627011.D

Injection Date: 27-Jun-2025 11:23:28 Instrument ID: A4AG3 Operator ID:

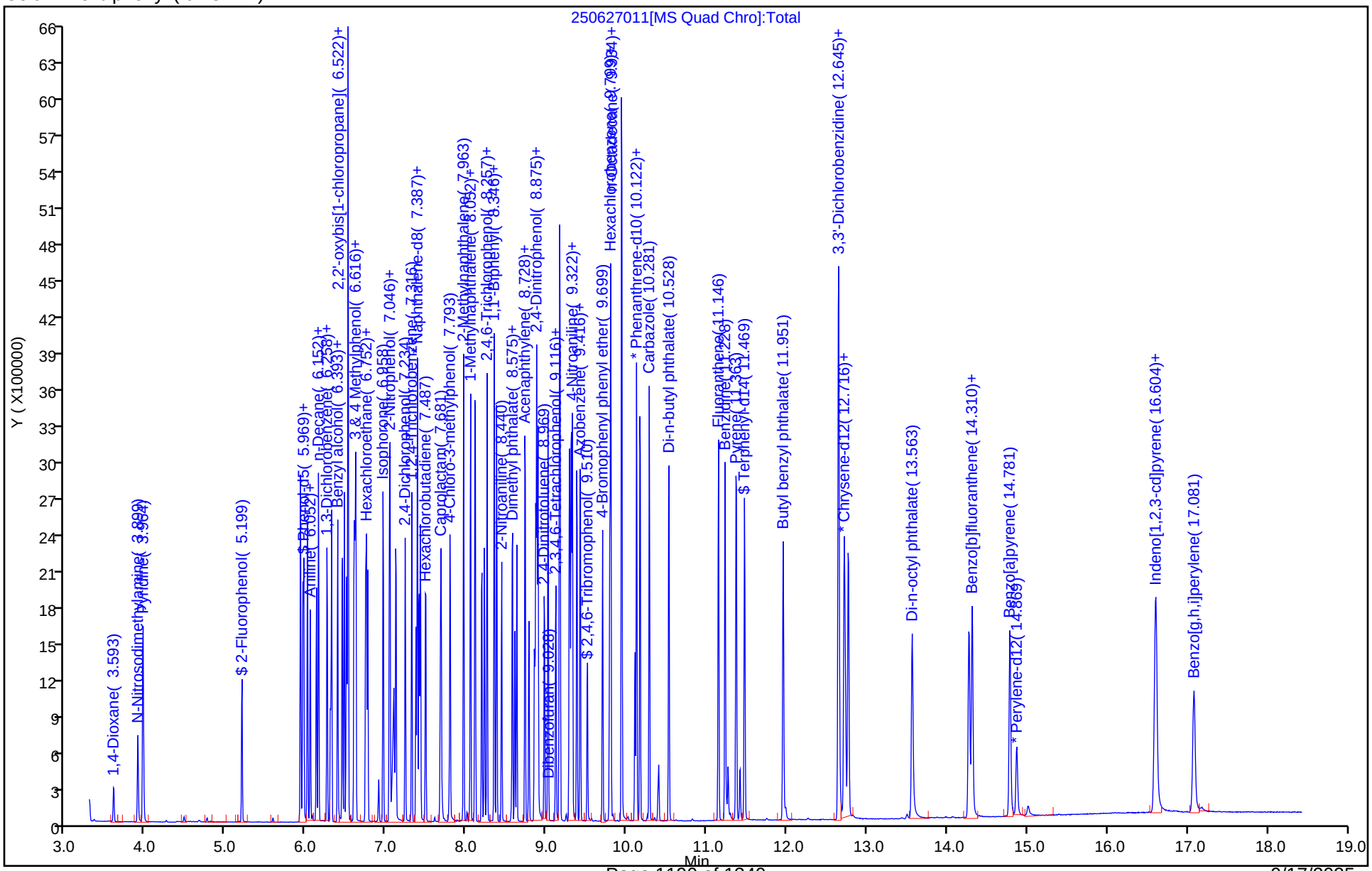
Lims ID: icv lst1 Worklist Smp#: 11

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

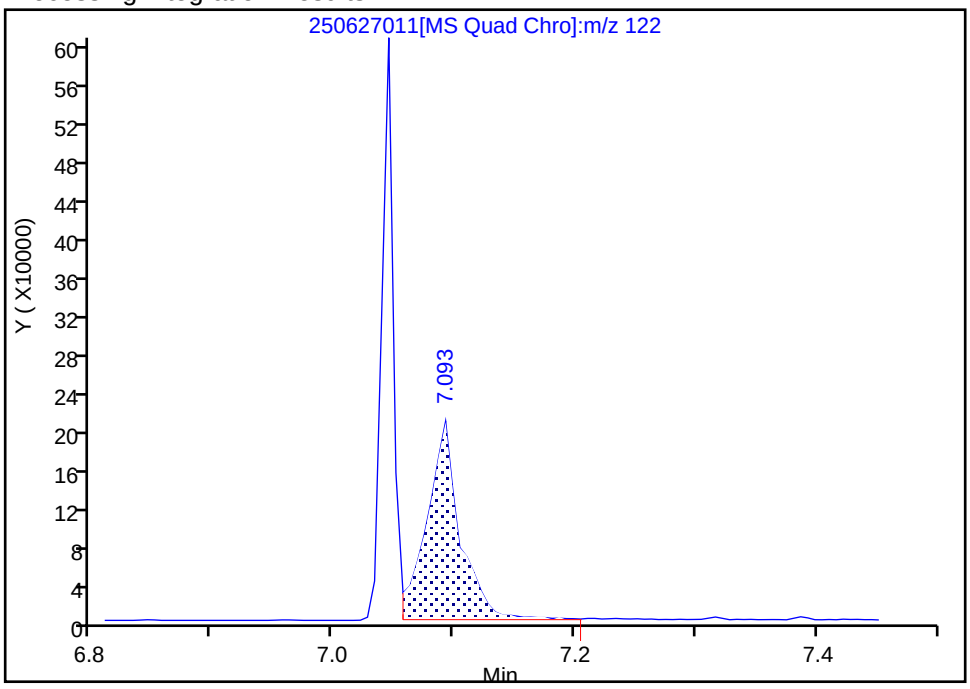
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Injection Date: 27-Jun-2025 11:23:28 Instrument ID: A4AG3
Lims ID: icv lst1
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Column: 5% phenyl (0.18 mm) Detector MS SCAN

57 Benzoic acid, CAS: 65-85-0

Signal: 1

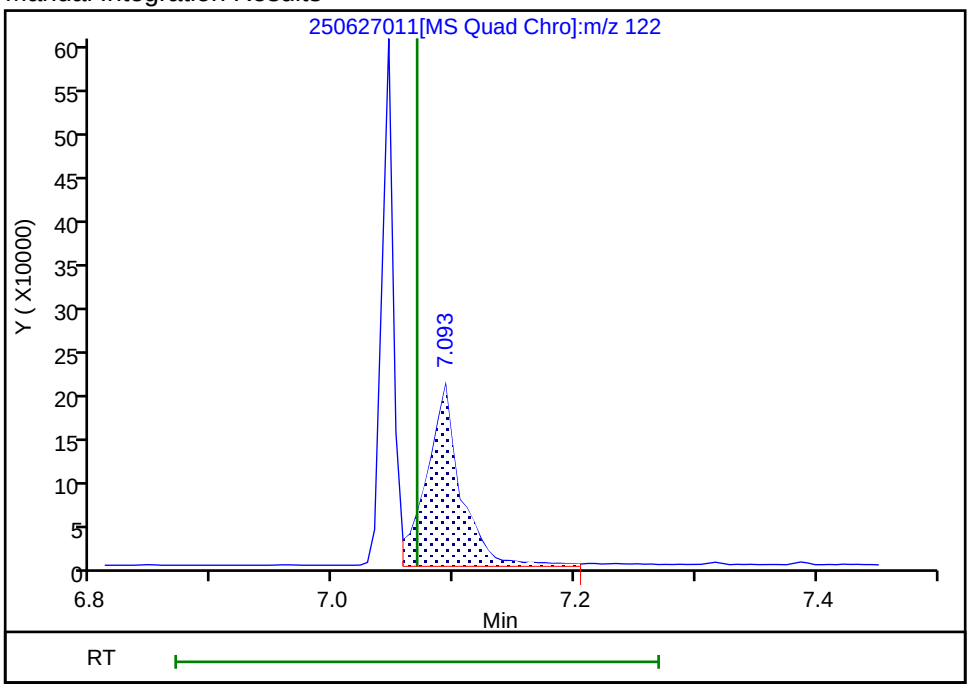
Processing Integration Results

RT: 7.09
Area: 390548
Amount: 1553.8899
Amount Units: ng/ml



Manual Integration Results

RT: 7.09
Area: 396223
Amount: 1574.4453
Amount Units: ng/ml



Reviewer: KDZ4, 27-Jun-2025 13:10:52 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-661637/20 | Calibration Date: 06/27/2025 14:47

Instrument ID: A4AG3 | Calib Start Date: 06/27/2025 11:46

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) | Calib End Date: 06/27/2025 14:24

Lab File ID: 250627020.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Picoline	Ave	1.286	1.433		1.11	1.00	11.4	30.0
N-Nitrosomethylethylamine	Ave	0.6652	0.7393		1.11	1.00	11.1	30.0
Methyl methanesulfonate	Ave	0.8875	0.9519		1.07	1.00	7.3	30.0
N-Nitrosodiethylamine	Ave	0.6617	0.7729		1.17	1.00	16.8	30.0
Ethyl methanesulfonate	Ave	1.081	1.232		1.14	1.00	14.0	30.0
Pentachloroethane	Ave	0.4192	0.4945		1.18	1.00	18.0	30.0
N-Nitrosopyrrolidine	Lin1		0.8334		1.09	1.00	9.5	30.0
N-Nitrosomorpholine	Lin1		1.158		1.10	1.00	9.8	30.0
2-Toluidine	Lin1		2.312		1.04	1.00	3.9	30.0
N-Nitrosopiperidine	Ave	0.1668	0.1961		1.18	1.00	17.6	30.0
o,o',o''-Triethylphosphorothioate	Ave	0.1351	0.1487		1.10	1.00	10.1	30.0
alpha,alpha-Dimethyl phenethylamine	Qua		0.7309		1.26	1.00	25.8	30.0
Hexachloropropene	Ave	0.1551	0.1811	0.0100	1.17	1.00	16.7	30.0
Quinoline	Ave	0.6525	0.7718		1.18	1.00	18.3	30.0
N-Nitrosodi-n-butylamine	Ave	0.2266	0.2704		1.19	1.00	19.3	30.0
p-Phenylene diamine	Lin1		0.3338		1.06	1.00	6.0	30.0
Safrole, Total	Ave	0.2479	0.2673		1.08	1.00	7.8	30.0
Isosafrole Peak 1	Ave	0.4692	0.5340		0.137	0.120	13.8	30.0
Isosafrole Peak 2	Ave	0.5146	0.5630		0.963	0.880	9.4	30.0
1,4-Naphthoquinone	Ave	0.3284	0.4040		1.23	1.00	23.0	30.0
1,4-Dinitrobenzene	Lin1		0.1781		1.01	1.00	1.3	30.0
Pentachlorobenzene	Ave	0.3427	0.3632		1.06	1.00	6.0	30.0
1-Naphthylamine	Ave	0.9889	1.146		1.16	1.00	15.8	30.0
2-Naphthylamine	Lin1		1.313		1.10	1.00	9.8	30.0
Thionazin	Lin1		0.2972		1.02	1.00	1.9	30.0
N-Nitro-o-toluidine	Lin1		0.3847		1.06	1.00	6.0	30.0
Sulfotepp	Lin1		0.0755		1.01	1.00	0.9	30.0
1,3,5-Trinitrobenzene	Qua		0.0617		1.07	1.00	7.2	30.0
Phenacetin	Lin1		0.4109		1.10	1.00	10.4	30.0
Diallate Peak 1	Ave	0.3574	0.3731		0.783	0.750	4.4	30.0
Phorate	Ave	0.1493	0.1598		1.07	1.00	7.0	30.0
Diallate Peak 2	Ave	0.3650	0.3726		0.255	0.250	2.1	30.0
Dimethoate	Lin1		0.3269		1.03	1.00	2.5	30.0
4-Aminobiphenyl	Lin1		0.7609		0.988	1.00	-1.2	30.0
Pronamide	Lin1		0.3158		1.02	1.00	2.1	30.0
Pentachloronitrobenzene	Lin1		0.0770		1.03	1.00	3.1	30.0
Disulfoton	Lin1		0.4259		1.04	1.00	3.8	30.0
Dinoseb	Lin1		0.1408		1.02	1.00	2.3	30.0
Methyl parathion	Lin1		0.2717		1.02	1.00	1.6	30.0
Ethyl Parathion	Lin1		0.1609		0.976	1.00	-2.4	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: ICV 240-661637/20 Calibration Date: 06/27/2025 14:47

Instrument ID: A4AG3 Calib Start Date: 06/27/2025 11:46

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 06/27/2025 14:24

Lab File ID: 250627020.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroquinoline-1-oxide	Qua		0.0578		1.03	1.00	2.8	30.0
Methapyrilene	Lin1		0.6024		2.01	2.00	0.3	30.0
Isodrin	Ave	0.1247	0.1276		1.02	1.00	2.3	30.0
Aramite Peak 1	Lin1		0.1109		0.441	0.470	-6.2	30.0
Aramite Peak 2	Lin1		0.2573		0.500	0.480	4.2	30.0
p-Dimethylamino azobenzene	Lin1		0.2956		1.13	1.00	13.3	30.0
Chlorobenzilate	Lin1		0.5903		1.13	1.00	12.8	30.0
Famphur	Ave	0.2034	0.1937		0.952	1.00	-4.8	30.0
3,3'-Dimethylbenzidine	Lin1		0.7388		1.05	1.00	4.6	30.0
2-Acetylaminofluorene	Lin1		0.5558		1.01	1.00	0.8	30.0
4,4'-Methylene bis(2-chloroaniline)	Lin1		0.2375		1.05	1.00	4.9	30.0
6-Methylchrysene	Ave	0.7932	0.9063		2.29	2.00	14.3	30.0
7,12-Dimethylbenz(a)anthracene	Lin1		0.5937		1.04	1.00	4.4	30.0
3-Methylcholanthrene	Lin1		0.6229		2.02	2.00	0.8	30.0
Dibenz[a,h]acridine	Lin1		0.9639		1.06	1.00	6.2	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627020.D
Lims ID: icv lst2
Client ID:
Sample Type: ICV
Inject. Date: 27-Jun-2025 14:47:07 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: ICV LST2
Misc. Info.: 240-0156317-020
Operator ID: Instrument ID: A4AG3
Sublist:

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 28-Jun-2025 12:29:53 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1653

First Level Reviewer: KDZ4 Date: 27-Jun-2025 15:11:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.299	6.299	0.000	98	99698	400.0	400.0	
* 2 Naphthalene-d8	136	7.369	7.369	0.000	100	432496	400.0	400.0	
* 3 Acenaphthene-d10	164	8.852	8.852	0.000	92	260579	400.0	400.0	
* 4 Phenanthrene-d10	188	10.104	10.105	0.000	97	426542	400.0	400.0	
* 5 Chrysene-d12	240	12.734	12.734	0.000	98	296437	400.0	400.0	
* 6 Perylene-d12	264	14.875	14.875	0.000	96	277662	400.0	400.0	
18 2-Picoline	93	4.681	4.681	0.000	96	357196	1000.0	1114.3	
19 N-Nitrosomethylethylamine	88	4.758	4.758	0.000	97	184275	1000.0	1111.4	
22 Methyl methanesulfonate	80	5.016	5.017	-0.001	88	237266	1000.0	1072.6	
23 N-Nitrosodiethylamine	102	5.375	5.375	0.000	96	192638	1000.0	1168.1	
24 Ethyl methanesulfonate	79	5.611	5.611	0.000	99	307101	1000.0	1139.7	
28 Pentachloroethane	167	6.069	6.069	0.000	95	123263	1000.0	1179.7	
43 N-Nitrosopyrrolidine	100	6.581	6.587	-0.006	90	207733	1000.0	1094.8	
44 N-Nitrosomorpholine	56	6.610	6.611	-0.001	94	288552	1000.0	1098.0	
47 2-Toluidine	106	6.652	6.652	0.000	96	576223	1000.0	1039.4	
52 N-Nitrosopiperidine	114	6.887	6.887	0.000	84	212021	1000.0	1175.6	
56 o,o',o''-Triethylphosphorothioat	198	7.093	7.093	0.000	92	160760	1000.0	1100.5	
59 alpha,alpha-Dimethyl phenethylam	58	7.205	7.205	0.000	97	790318	1000.0	1257.6	
67 Hexachloropropene	213	7.469	7.469	0.000	93	195838	1000.0	1167.5	
69 Quinoline	129	7.657	7.658	-0.001	97	834483	1000.0	1182.7	
70 N-Nitrosodi-n-butylamine	84	7.675	7.675	0.000	94	292330	1000.0	1193.2	
71 p-Phenylene diamine	108	7.693	7.693	0.000	97	360885	1000.0	1059.6	
81 Safrole, Total	162	7.869	7.869	0.000	88	289013	1000.0	1078.4	
75 Isosafrole Peak 1	162	8.116	8.111	0.000	0	41745	120.0	136.6	
87 Isosafrole Peak 2	162	8.304	8.299	-0.001	0	322744	880.0	962.8	
92 1,4-Naphthoquinone	158	8.504	8.505	-0.006	84	263184	1000.0	1230.2	
93 1,4-Dinitrobenzene	168	8.534	8.528	0.000	91	116035	1000.0	1012.7	
103 Pentachlorobenzene	250	8.993	8.987	0.000	94	236633	1000.0	1060.0	
106 1-Naphthylamine	143	9.075	9.069	0.000	98	746333	1000.0	1158.5	
107 2,3,5,6-Tetrachlorophenol	232	9.081	9.075	0.000	91	141094	NC	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
109 2-Naphthylamine	143	9.140	9.134	0.000	96	855202	1000.0	1097.8	
112 Thionazin	97	9.234	9.228	0.000	81	193599	1000.0	1018.9	
113 N-Nitro-o-toluidine	152	9.293	9.287	0.000	96	250601	1000.0	1060.3	
122 Sulfotepp	202	9.481	9.481	0.000	78	80553	1000.0	1008.9	
123 1,3,5-Trinitrobenzene	213	9.563	9.563	0.000	82	65760	1000.0	1071.9	
124 Phenacetin	108	9.610	9.610	0.000	87	438129	1000.0	1104.0	
125 Diallate Peak 1	86	9.616	9.616	0.000	0	298370	750.0	783.0	
126 Phorate	121	9.622	9.622	0.000	95	170373	1000.0	1069.8	
127 Diallate Peak 2	86	9.693	9.693	0.000	0	99319	250.0	255.2	
129 Dimethoate	87	9.763	9.763	0.000	97	348574	1000.0	1025.1	
132 4-Aminobiphenyl	169	9.916	9.916	0.000	90	811429	1000.0	987.8	
134 Pronamide	173	9.946	9.946	0.000	90	336760	1000.0	1021.0	
136 Pentachloronitrobenzene	237	9.957	9.957	0.000	83	82141	1000.0	1031.5	
137 Disulfoton	88	10.057	10.057	0.000	97	454188	1000.0	1038.1	
138 Dinoseb	211	10.069	10.069	0.000	92	150124	1000.0	1022.9	
143 Methyl parathion	109	10.381	10.381	0.000	90	289702	1000.0	1016.3	
145 Ethyl Parathion	97	10.698	10.699	-0.001	84	171573	1000.0	976.0	
146 4-Nitroquinoline-1-oxide	190	10.757	10.757	0.000	83	61615	1000.0	1028.2	
147 Methapyrilene	58	10.798	10.799	-0.001	98	1284810	2000.0	2006.2	
148 Isodrin	66	11.022	11.022	0.000	90	136056	1000.0	1023.5	
152 Aramite Peak 1	185	11.416	11.410	0.006	0	38643	470.0	440.9	
153 Aramite Peak 2	185	11.487	11.487	0.000	0	91530	480.0	500.2	
154 p-Dimethylamino azobenzene	225	11.610	11.610	0.000	91	219062	1000.0	1133.3	
155 Chlorobenzilate	139	11.645	11.646	-0.001	80	437501	1000.0	1127.6	
156 Famphur	218	11.904	11.904	0.000	89	143547	1000.0	952.4	
158 3,3'-Dimethylbenzidine	212	11.969	11.969	0.000	99	547517	1000.0	1045.8	
160 2-Acetylaminofluorene	181	12.275	12.275	0.000	95	411870	1000.0	1007.6	
161 4,4'-Methylene bis(2-chloroanil	231	12.640	12.640	0.000	94	176043	1000.0	1048.7	
166 6-Methylchrysene	242	13.398	13.398	0.000	99	1343350	2000.0	2285.2	
168 7,12-Dimethylbenz(a)anthracene	256	14.257	14.252	0.000	92	412154	1000.0	1043.6	
172 3-Methylcholanthrene	268	15.334	15.328	0.000	94	864759	2000.0	2016.4	
174 Dibenz[a,h]acridine	279	16.192	16.186	0.000	92	669089	1000.0	1062.3	
S 199 Isosafrole	162				0		1000.0	1099.3	
S 200 Diallate	86				0		1000.0	1038.1	
S 201 Aramite, Total	185				0		1000.0	941.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLIST2 SS W_00037 Amount Added: 0.10 Units: mL

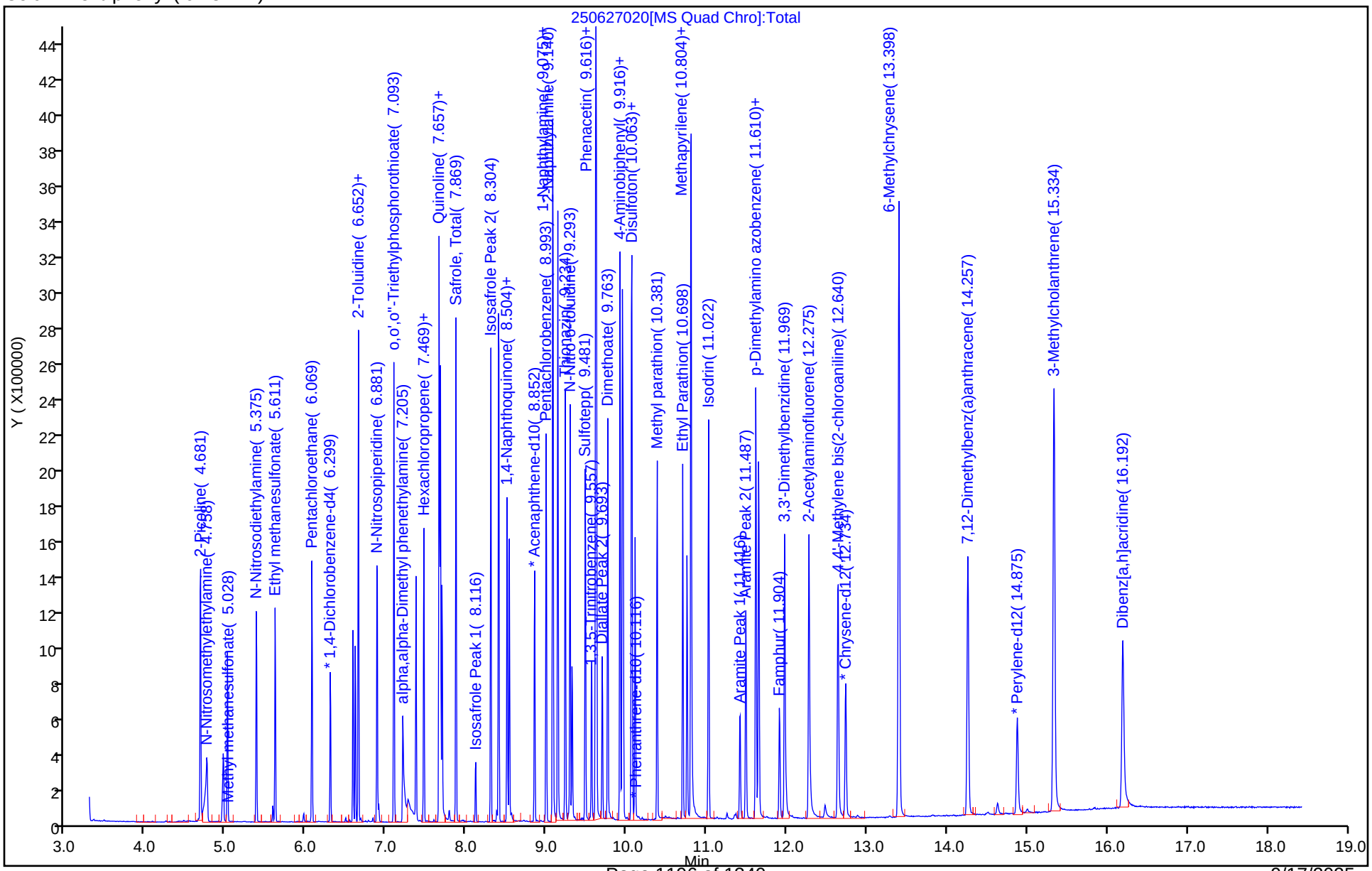
Report Date: 28-Jun-2025 12:30:07 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627020.D

Injection Date:	27-Jun-2025 14:47:07	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	icv lst2			Worklist Smp#:	20
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCV 240-666181/2 | Calibration Date: 08/04/2025 08:14

Instrument ID: A4AG3 | Calib Start Date: 06/27/2025 08:00

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) | Calib End Date: 06/27/2025 11:00

Lab File ID: 250804102.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.4094	0.2902		0.709	1.00	-29.1*	20.0
N-Nitrosodimethylamine	Ave	0.9175	0.8643		0.942	1.00	-5.8	20.0
Pyridine	Ave	1.008	0.7616		1.51	2.00	-24.5*	20.0
Benzaldehyde	Qua		0.9080	0.0100	3.10	2.00	55.0*	20.0
Phenol	Ave	1.626	1.668	0.8000	1.03	1.00	2.6	20.0
Aniline	Lin1		2.563		1.03	1.00	3.1	20.0
Bis(2-chloroethyl)ether	Ave	1.626	1.766	0.7000	1.09	1.00	8.6	20.0
2-Chlorophenol	Ave	1.390	1.349	0.8000	0.970	1.00	-3.0	20.0
n-Decane	Ave	1.792	1.898		1.06	1.00	5.9	20.0
1,3-Dichlorobenzene	Ave	1.561	1.554		0.996	1.00	-0.4	20.0
1,4-Dichlorobenzene	Ave	1.601	1.618		1.01	1.00	1.0	20.0
Benzyl alcohol	Lin1		1.088		1.01	1.00	1.4	20.0
1,2-Dichlorobenzene	Ave	1.558	1.654		1.06	1.00	6.2	20.0
2-Methylphenol	Lin1		1.659	0.7000	1.13	1.00	13.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.566	3.030		1.18	1.00	18.1	20.0
Indene	Ave	2.610	2.876		2.20	2.00	10.2	20.0
3 & 4 Methylphenol	Lin1		1.703		1.11	1.00	11.2	20.0
N-Nitrosodi-n-propylamine	Ave	1.075	1.239	0.5000	1.15	1.00	15.2	20.0
Acetophenone	Ave	2.169	2.550	0.0100	1.18	1.00	17.6	20.0
Hexachloroethane	Ave	0.6803	0.7106	0.3000	1.04	1.00	4.5	20.0
Nitrobenzene	Ave	0.3808	0.4053	0.2000	1.06	1.00	6.4	20.0
Isophorone	Ave	0.7314	0.7426	0.4000	1.02	1.00	1.5	20.0
2-Nitrophenol	Ave	0.1743	0.1992	0.1000	1.14	1.00	14.2	20.0
2,4-Dimethylphenol	Ave	0.3451	0.3786	0.2000	1.10	1.00	9.7	20.0
Benzoic acid	Lin1		0.1491		1.51	2.00	-24.6*	20.0
Bis(2-chloroethoxy)methane	Ave	0.4538	0.4436	0.3000	0.977	1.00	-2.3	20.0
2,4-Dichlorophenol	Ave	0.2485	0.2912	0.2000	1.17	1.00	17.2	20.0
1,2,4-Trichlorobenzene	Ave	0.2812	0.2999		1.07	1.00	6.6	20.0
Naphthalene	Ave	1.076	1.088	0.7000	1.01	1.00	1.1	20.0
4-Chloroaniline	Lin1		0.4138	0.0100	1.02	1.00	1.8	20.0
2,6-Dichlorophenol	Ave	0.2637	0.3019		1.14	1.00	14.5	20.0
Hexachlorobutadiene	Ave	0.1484	0.1542	0.0100	1.04	1.00	3.9	20.0
Caprolactam	Ave	0.1161	0.1199	0.0100	2.06	2.00	3.2	20.0
4-Chloro-3-methylphenol	Ave	0.3060	0.3370	0.2000	1.10	1.00	10.1	20.0
2-Methylnaphthalene	Ave	0.6303	0.6464	0.4000	1.03	1.00	2.6	20.0
1-Methylnaphthalene	Ave	0.6636	0.6643		1.00	1.00	0.1	20.0
Hexachlorocyclopentadiene	Ave	0.2916	0.2891	0.0500	0.992	1.00	-0.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4400	0.4987	0.0100	1.13	1.00	13.3	20.0
2,4,6-Trichlorophenol	Ave	0.3252	0.3628	0.2000	1.12	1.00	11.6	20.0
2,4,5-Trichlorophenol	Ave	0.3495	0.3799	0.2000	1.09	1.00	8.7	20.0
1,1'-Biphenyl	Ave	1.487	1.535	0.0100	1.03	1.00	3.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCV 240-666181/2 | Calibration Date: 08/04/2025 08:14

Instrument ID: A4AG3 | Calib Start Date: 06/27/2025 08:00

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) | Calib End Date: 06/27/2025 11:00

Lab File ID: 250804102.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.134	1.155	0.8000	1.02	1.00	1.8	20.0
2-Nitroaniline	Ave	0.3648	0.3985	0.0100	1.09	1.00	9.2	20.0
Dimethyl phthalate	Ave	1.239	1.295	0.0100	1.04	1.00	4.5	20.0
1,3-Dinitrobenzene	Lin1		0.2184		1.01	1.00	0.7	20.0
2,6-Dinitrotoluene	Ave	0.2739	0.3054		1.11	1.00	11.5	20.0
Acenaphthylene	Ave	1.812	1.956	0.9000	1.08	1.00	8.0	20.0
3-Nitroaniline	Lin1		0.2552	0.0100	0.830	1.00	-17.0	20.0
2,4-Dinitrophenol	Lin1		0.1547	0.0100	1.85	2.00	-7.3	20.0
Acenaphthene	Ave	1.158	1.137	0.9000	0.982	1.00	-1.8	20.0
4-Nitrophenol	Lin1		0.2072		2.06	2.00	3.1	20.0
2,4-Dinitrotoluene	Lin1		0.4030	0.2000	1.01	1.00	1.1	20.0
Dibenzofuran	Ave	1.587	1.637	0.8000	1.03	1.00	3.1	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2456	0.2584	0.0100	1.05	1.00	5.2	20.0
Diethyl phthalate	Ave	1.261	1.303	0.0100	1.03	1.00	3.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.5501	0.5738	0.4000	1.04	1.00	4.3	20.0
4-Nitroaniline	Ave	0.3004	0.3386	0.0100	1.13	1.00	12.7	20.0
Fluorene	Ave	1.280	1.305	0.9000	1.02	1.00	2.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1466	0.0100	2.07	2.00	3.7	20.0
Diphenylamine	Ave	0.7044	0.7296		0.880	0.850	3.6	20.0
N-Nitrosodiphenylamine	Ave	0.5988	0.6202	0.0100	1.04	1.00	3.6	20.0
Azobenzene	Ave	0.9676	0.9894		1.02	1.00	2.2	20.0
4-Bromophenyl phenyl ether	Ave	0.1843	0.1978	0.1000	1.07	1.00	7.3	20.0
Hexachlorobenzene	Ave	0.1928	0.2033	0.1000	1.05	1.00	5.5	20.0
Atrazine	Ave	0.1826	0.2100	0.0100	2.30	2.00	15.0	20.0
n-Octadecane	Ave	0.5918	0.6935		1.17	1.00	17.2	20.0
Pentachlorophenol	Lin1		0.1295	0.0500	2.06	2.00	3.2	20.0
Phenanthrene	Ave	1.157	1.206	0.7000	1.04	1.00	4.2	20.0
Anthracene	Ave	1.126	1.207	0.7000	1.07	1.00	7.2	20.0
Carbazole	Ave	1.108	1.101	0.0100	0.994	1.00	-0.6	20.0
Di-n-butyl phthalate	Ave	1.273	1.383	0.0100	1.09	1.00	8.6	20.0
Fluoranthene	Ave	1.077	1.169	0.6000	1.09	1.00	8.6	20.0
Benzidine	Lin1		0.5969		1.70	2.00	-15.2	20.0
Pyrene	Ave	1.535	1.559	0.6000	1.02	1.00	1.6	20.0
Butyl benzyl phthalate	Lin1		0.7472	0.0100	0.967	1.00	-3.3	20.0
Bis(2-ethylhexyl) phthalate	Lin1		1.047	0.0100	1.08	1.00	7.6	20.0
3,3'-Dichlorobenzidine	Lin1		0.4647	0.0100	2.12	2.00	6.0	20.0
Benzo[a]anthracene	Ave	1.298	1.352	0.8000	1.04	1.00	4.2	20.0
Chrysene	Ave	1.285	1.329	0.7000	1.03	1.00	3.5	20.0
Di-n-octyl phthalate	Lin1		1.841	0.0100	1.04	1.00	3.7	20.0
Benzo[b]fluoranthene	Qua2		1.334	0.7000	1.12	1.00	11.9	20.0
Benzo[k]fluoranthene	Ave	1.334	1.410	0.7000	1.06	1.00	5.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCV 240-666181/2 Calibration Date: 08/04/2025 08:14

Instrument ID: A4AG3 Calib Start Date: 06/27/2025 08:00

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 06/27/2025 11:00

Lab File ID: 250804102.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]pyrene	Qua2		1.256	0.7000	1.09	1.00	8.8	20.0
Indeno[1,2,3-cd]pyrene	Qua2		1.480	0.5000	1.10	1.00	10.3	20.0
Dibenz(a,h)anthracene	Qua2		1.192	0.4000	1.11	1.00	11.0	20.0
Benzo[g,h,i]perylene	Qua2		1.204	0.5000	1.05	1.00	5.3	20.0
2-Fluorophenol (Surr)	Ave	0.9665	0.5364		0.555	1.00	-44.5*	20.0
Phenol-d5 (Surr)	Ave	1.564	1.577		1.01	1.00	0.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4146	0.4438		1.07	1.00	7.1	20.0
2-Fluorobiphenyl (Surr)	Ave	1.306	1.347		1.03	1.00	3.2	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1363	0.1460		1.07	1.00	7.1	20.0
Terphenyl-d14 (Surr)	Lin1		1.062		1.05	1.00	5.2	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804102.D
Lims ID: ccv lst1
Client ID:
Sample Type: CCVIS
Inject. Date: 04-Aug-2025 08:14:40 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: CCV LST1
Misc. Info.: 240-0157591-002
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:25:52 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 08:42:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	96	111026	400.0	400.0	
* 2 Naphthalene-d8	136	7.399	7.399	0.000	100	536347	400.0	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	91	290531	400.0	400.0	
* 4 Phenanthrene-d10	188	10.134	10.134	0.000	98	435091	400.0	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	344316	400.0	400.0	
* 6 Perylene-d12	264	14.939	14.939	0.000	97	318170	400.0	400.0	
$ 7 2-Fluorophenol	112	5.234	5.234	0.000	93	148885	1000.0	555.0	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	437613	1000.0	1008.2	
$ 9 Nitrobenzene-d5	82	6.787	6.787	0.000	91	595134	1000.0	1070.6	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	99	978714	1000.0	1031.6	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	92	106048	1000.0	1071.2	
$ 12 Terphenyl-d14	244	11.504	11.504	0.000	97	913985	1000.0	1051.5	
13 1,4-Dioxane	88	3.617	3.617	0.000	98	80561	1000.0	708.9	
14 N-Nitrosodimethylamine	74	3.928	3.928	0.000	90	239894	1000.0	942.0	
15 Pyridine	79	3.999	3.999	0.000	87	422783	2000.0	1510.5	
26 Benzaldehyde	77	5.963	5.963	0.000	92	504057	2000.0	3099.6	
27 Phenol	94	6.010	6.010	0.000	99	462989	1000.0	1026.1	
29 Aniline	93	6.052	6.052	0.000	97	711488	1000.0	1030.5	
30 Bis(2-chloroethyl)ether	93	6.081	6.081	0.000	95	490134	1000.0	1085.8	
32 2-Chlorophenol	128	6.163	6.163	0.000	97	374384	1000.0	970.3	
33 n-Decane	57	6.175	6.175	0.000	93	526932	1000.0	1059.2	
34 1,3-Dichlorobenzene	146	6.293	6.293	0.000	97	431457	1000.0	996.1	
36 1,4-Dichlorobenzene	146	6.346	6.346	0.000	94	449050	1000.0	1010.5	
37 Benzyl alcohol	108	6.428	6.428	0.000	93	301954	1000.0	1013.8	
39 1,2-Dichlorobenzene	146	6.481	6.481	0.000	96	459075	1000.0	1061.7	
40 2-Methylphenol	108	6.510	6.510	0.000	94	460364	1000.0	1131.3	
41 2,2'-oxybis[1-chloropropane]	45	6.534	6.534	0.000	94	841151	1000.0	1180.9	
42 Indene	115	6.552	6.552	0.000	93	1596783	2000.0	2203.8	
45 3 & 4 Methylphenol	108	6.634	6.634	0.000	94	472685	1000.0	1111.9	
46 N-Nitrosodi-n-propylamine	70	6.640	6.640	0.000	92	343991	1000.0	1152.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
48 Acetophenone	105	6.652	6.652	0.000	96	707716	1000.0	1175.8	
49 Hexachloroethane	117	6.769	6.769	0.000	94	197232	1000.0	1044.6	
51 Nitrobenzene	77	6.799	6.799	0.000	91	543472	1000.0	1064.3	
53 Isophorone	82	6.993	6.993	0.000	99	995671	1000.0	1015.3	
55 2-Nitrophenol	139	7.069	7.069	0.000	96	267050	1000.0	1142.4	
54 2,4-Dimethylphenol	107	7.081	7.081	0.000	95	507632	1000.0	1097.2	
57 Benzoic acid	122	7.134	7.134	0.000	93	399969	2000.0	1508.3	M
58 Bis(2-chloroethoxy)methane	93	7.152	7.152	0.000	98	594827	1000.0	977.5	
61 2,4-Dichlorophenol	162	7.269	7.269	0.000	97	390500	1000.0	1172.0	
63 1,2,4-Trichlorobenzene	180	7.346	7.346	0.000	94	402128	1000.0	1066.4	
64 Naphthalene	128	7.422	7.422	0.000	97	1458762	1000.0	1010.9	
65 4-Chloroaniline	127	7.446	7.446	0.000	96	554846	1000.0	1018.4	
66 2,6-Dichlorophenol	162	7.457	7.457	0.000	95	404833	1000.0	1144.9	
68 Hexachlorobutadiene	225	7.522	7.522	0.000	98	206735	1000.0	1039.2	
72 Caprolactam	113	7.728	7.728	0.000	78	321530	2000.0	2064.6	
73 4-Chloro-3-methylphenol	107	7.834	7.834	0.000	97	451899	1000.0	1101.5	
76 2-Methylnaphthalene	142	7.999	7.999	0.000	93	866704	1000.0	1025.6	
79 1-Methylnaphthalene	142	8.081	8.081	0.000	94	890684	1000.0	1001.0	
82 Hexachlorocyclopentadiene	237	8.134	8.134	0.000	97	210000	1000.0	991.5	
83 1,2,4,5-Tetrachlorobenzene	216	8.140	8.140	0.000	98	362239	1000.0	1133.4	
85 2,4,6-Trichlorophenol	196	8.222	8.222	0.000	94	263533	1000.0	1115.7	
86 2,4,5-Trichlorophenol	196	8.263	8.263	0.000	93	275920	1000.0	1086.9	
88 1,1'-Biphenyl	154	8.375	8.375	0.000	95	1114688	1000.0	1032.1	
89 2-Chloronaphthalene	162	8.410	8.410	0.000	98	838747	1000.0	1018.0	
91 2-Nitroaniline	65	8.475	8.475	0.000	83	289470	1000.0	1092.5	
94 Dimethyl phthalate	163	8.604	8.604	0.000	98	940402	1000.0	1044.9	
95 1,3-Dinitrobenzene	168	8.640	8.640	0.000	83	158603	1000.0	1006.5	
96 2,6-Dinitrotoluene	165	8.663	8.663	0.000	94	221786	1000.0	1115.0	
97 Acenaphthylene	152	8.763	8.763	0.000	98	1420703	1000.0	1079.6	
98 3-Nitroaniline	138	8.816	8.816	0.000	95	185393	1000.0	829.8	
99 2,4-Dinitrophenol	184	8.899	8.899	0.000	83	224700	2000.0	1854.4	
100 Acenaphthene	153	8.910	8.910	0.000	92	826099	1000.0	982.4	
101 4-Nitrophenol	109	8.934	8.934	0.000	95	300993	2000.0	2061.1	
102 2,4-Dinitrotoluene	165	9.010	9.010	0.000	91	292728	1000.0	1011.4	
104 Dibenzofuran	168	9.052	9.052	0.000	95	1188881	1000.0	1031.1	
108 2,3,4,6-Tetrachlorophenol	232	9.152	9.152	0.000	79	187654	1000.0	1051.9	
111 Diethyl phthalate	149	9.187	9.187	0.000	97	946298	1000.0	1032.8	
110 Hexadecane	57	9.193	9.193	0.000	90	704679	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.316	9.316	0.000	96	416792	1000.0	1043.2	
115 4-Nitroaniline	138	9.334	9.334	0.000	85	245925	1000.0	1127.1	
116 Fluorene	166	9.340	9.340	0.000	95	948034	1000.0	1019.7	
117 4,6-Dinitro-2-methylphenol	198	9.357	9.357	0.000	78	318913	2000.0	2073.6	
119 Diphenylamine	169	9.410	9.410	0.000	94	674589	850.0	880.4	
118 N-Nitrosodiphenylamine	169	9.410	9.410	0.000	99	674589	1000.0	1035.7	
121 1,2-Diphenylhydrazine	77	9.451	9.451	0.000	100	1076207	1000.0	1022.5	
120 Azobenzene	77	9.451	9.451	0.000	99	1076207	1000.0	1022.5	
128 4-Bromophenyl phenyl ether	248	9.728	9.728	0.000	72	215130	1000.0	1072.9	
131 Hexachlorobenzene	284	9.822	9.822	0.000	91	221142	1000.0	1054.6	
130 Atrazine	200	9.834	9.834	0.000	89	456855	2000.0	2299.7	
133 n-Octadecane	57	9.957	9.957	0.000	91	754361	1000.0	1171.8	
135 Pentachlorophenol	266	9.975	9.975	0.000	88	281776	2000.0	2063.3	
139 Phenanthrene	178	10.157	10.157	0.000	98	1311646	1000.0	1042.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
140 Anthracene	178	10.199	10.199	0.000	98	1313128	1000.0	1071.9	
142 Carbazole	167	10.316	10.316	0.000	96	1197394	1000.0	993.5	
144 Di-n-butyl phthalate	149	10.551	10.551	0.000	100	1504073	1000.0	1086.2	
149 Fluoranthene	202	11.181	11.181	0.000	98	1271956	1000.0	1085.7	
150 Benzidine	184	11.263	11.263	0.000	99	1027656	2000.0	1697.0	
151 Pyrene	202	11.404	11.404	0.000	97	1341576	1000.0	1015.6	
157 Butyl benzyl phthalate	149	11.987	11.987	0.000	98	643158	1000.0	966.6	
162 Bis(2-ethylhexyl) phthalate	149	12.681	12.681	0.000	98	901468	1000.0	1076.2	
163 3,3'-Dichlorobenzidine	252	12.692	12.692	0.000	77	800046	2000.0	2119.3	
164 Benzo[a]anthracene	228	12.769	12.769	0.000	99	1164162	1000.0	1042.1	
165 Chrysene	228	12.816	12.816	0.000	98	1144133	1000.0	1034.7	
167 Di-n-octyl phthalate	149	13.604	13.604	0.000	99	1464326	1000.0	1037.0	
169 Benzo[b]fluoranthene	252	14.334	14.334	0.000	98	1061430	1000.0	1118.6	
170 Benzo[k]fluoranthene	252	14.375	14.375	0.000	99	1121708	1000.0	1057.2	
171 Benzo[a]pyrene	252	14.851	14.851	0.000	80	999234	1000.0	1087.5	
175 Indeno[1,2,3-cd]pyrene	276	16.686	16.686	0.000	96	1177496	1000.0	1103.3	
176 Dibenz(a,h)anthracene	278	16.698	16.698	0.000	92	948100	1000.0	1110.1	
177 Benzo[g,h,i]perylene	276	17.186	17.186	0.000	96	957580	1000.0	1053.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SMLIST1 L6 W_00026 Amount Added: 0.10 Units: mL

Report Date: 04-Aug-2025 12:25:53 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804102.D

Injection Date: 04-Aug-2025 08:14:40 Instrument ID: A4AG3 Operator ID:

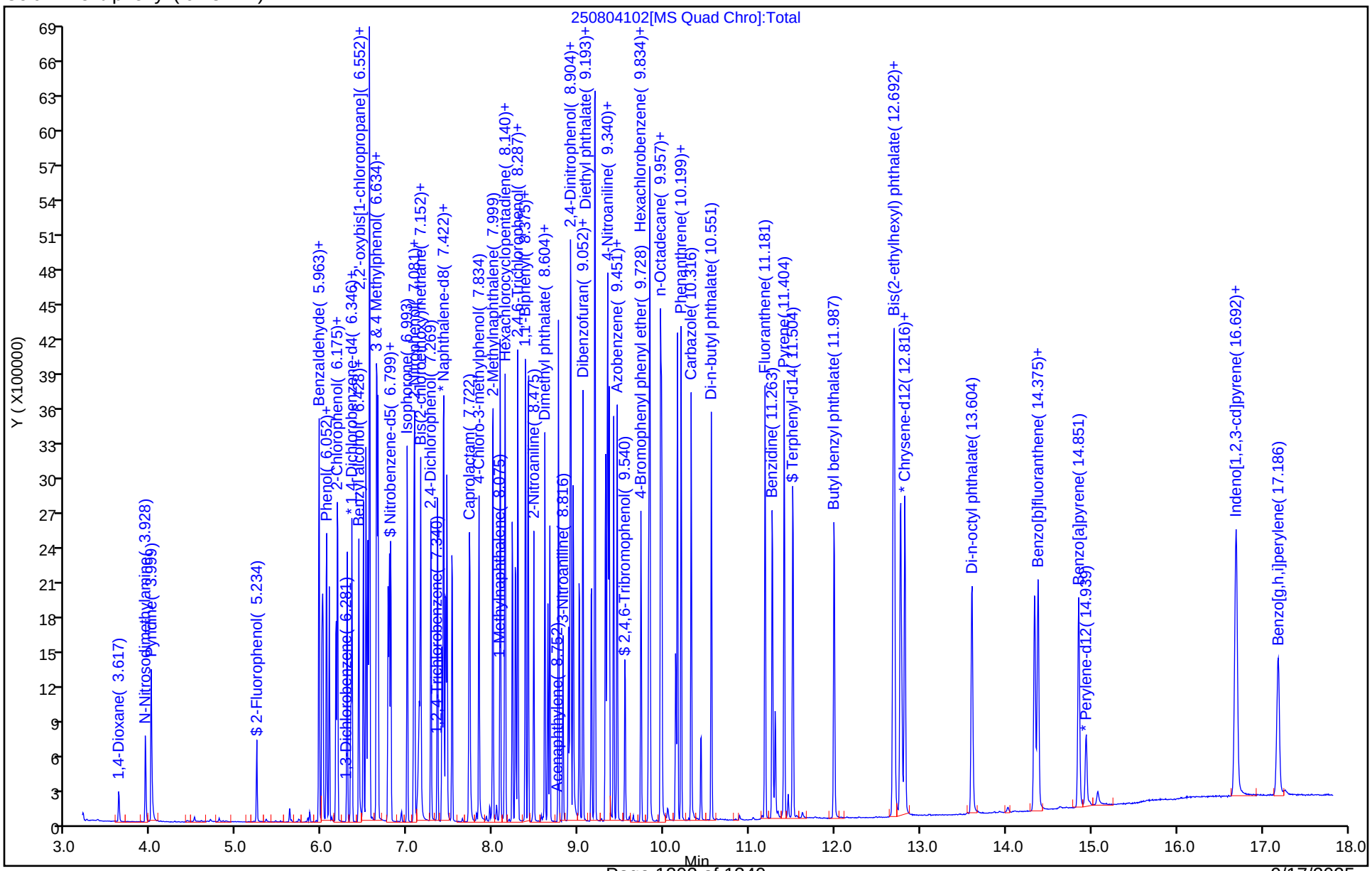
Lims ID: ccv lst1 Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Manual Integration/User Assign Peak Report

Eurofins Cleveland

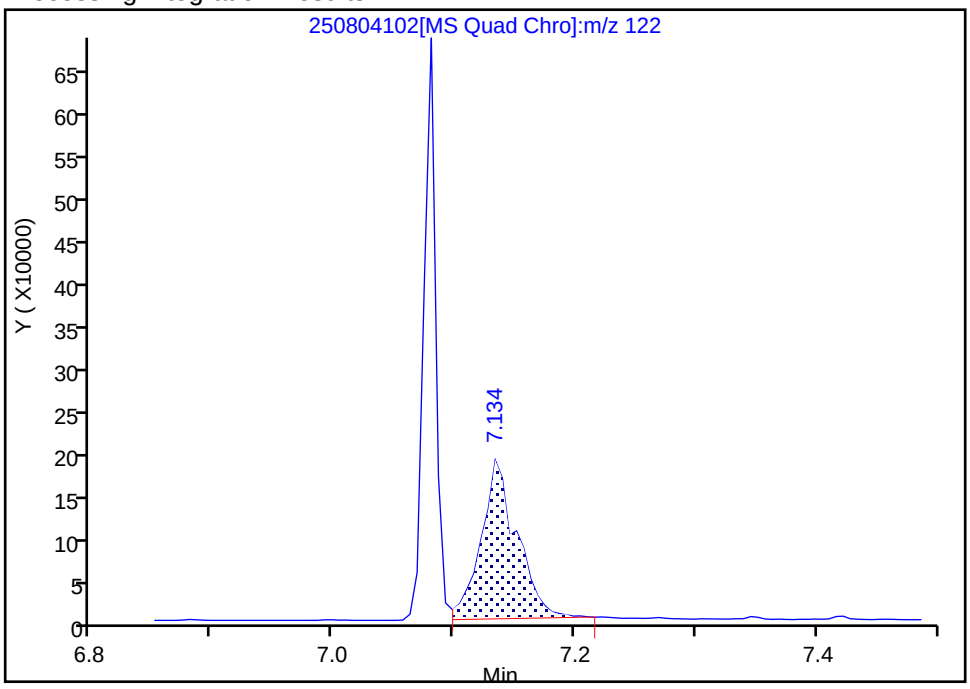
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804102.D				
Injection Date:	04-Aug-2025 08:14:40	Instrument ID:	A4AG3		
Lims ID:	ccv lst1				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

57 Benzoic acid, CAS: 65-85-0

Signal: 1

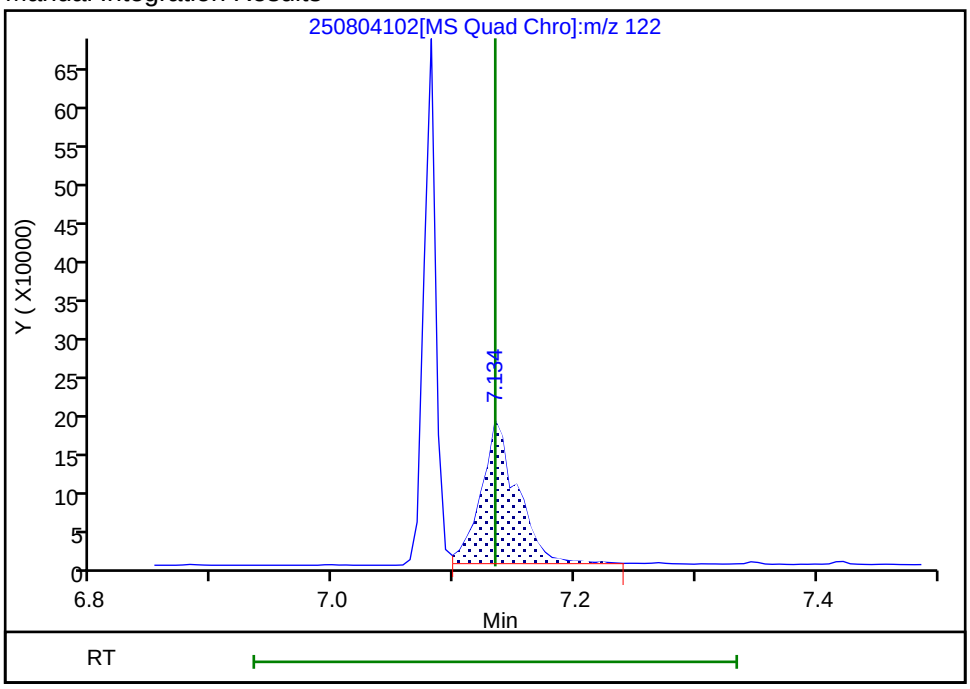
Processing Integration Results

RT: 7.13
Area: 384845
Amount: 1456.5016
Amount Units: ng/ml



Manual Integration Results

RT: 7.13
Area: 399969
Amount: 1508.2666
Amount Units: ng/ml



Reviewer: KDZ4, 04-Aug-2025 08:35:31 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Poor chromatography

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCV 240-666181/3 | Calibration Date: 08/04/2025 08:37

Instrument ID: A4AG3 | Calib Start Date: 06/27/2025 11:46

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) | Calib End Date: 06/27/2025 14:24

Lab File ID: 250804003.D | Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Picoline	Ave	1.286	1.138		0.885	1.00	-11.5	20.0
N-Nitrosomethylethylamine	Ave	0.6652	0.6723		1.01	1.00	1.1	20.0
Methyl methanesulfonate	Ave	0.8875	0.8693		0.979	1.00	-2.1	20.0
N-Nitrosodiethylamine	Ave	0.6617	0.7021		1.06	1.00	6.1	20.0
Ethyl methanesulfonate	Ave	1.081	1.228		1.14	1.00	13.6	20.0
Pentachloroethane	Ave	0.4192	0.4280		1.02	1.00	2.1	20.0
N-Nitrosopyrrolidine	Lin1		0.8208		1.08	1.00	7.9	20.0
N-Nitrosomorpholine	Lin1		1.192		1.13	1.00	13.0	20.0
2-Toluidine	Lin1		2.510		1.13	1.00	12.7	20.0
N-Nitrosopiperidine	Ave	0.1668	0.1762		1.06	1.00	5.6	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1351	0.1377		1.02	1.00	2.0	20.0
alpha,alpha-Dimethylphenethylamine	Qua		0.6010		1.08	1.00	8.1	20.0
Hexachloropropene	Ave	0.1551	0.1515	0.0100	0.977	1.00	-2.3	20.0
Quinoline	Ave	0.6525	0.6715		1.03	1.00	2.9	20.0
N-Nitrosodi-n-butylamine	Ave	0.2266	0.2286		1.01	1.00	0.9	20.0
p-Phenylene diamine	Lin1		0.2154		0.698	1.00	-30.2*	20.0
Safrole, Total	Ave	0.2479	0.2508		1.01	1.00	1.2	20.0
Isosafrole Peak 1	Ave	0.4692	0.4961		0.169	0.160	5.7	20.0
Isosafrole Peak 2	Ave	0.5146	0.5525		0.902	0.840	7.4	20.0
1,4-Naphthoquinone	Ave	0.3284	0.3153		0.960	1.00	-4.0	20.0
1,4-Dinitrobenzene	Lin1		0.1783		1.01	1.00	1.4	20.0
Pentachlorobenzene	Ave	0.3427	0.3561		1.04	1.00	3.9	20.0
1-Naphthylamine	Ave	0.9889	1.080		1.09	1.00	9.2	20.0
2-Naphthylamine	Lin1		1.137		0.954	1.00	-4.6	20.0
Thionazin	Lin1		0.2858		0.981	1.00	-1.9	20.0
N-Nitro-o-toluidine	Lin1		0.3641		1.01	1.00	0.6	20.0
Sulfotepp	Lin1		0.0825		1.10	1.00	10.0	20.0
1,3,5-Trinitrobenzene	Qua		0.0633		1.09	1.00	9.4	20.0
Diallate Peak 1	Ave	0.3574	0.3612		0.748	0.740	1.1	20.0
Phenacetin	Lin1		0.3932		1.06	1.00	5.8	20.0
Phorate	Ave	0.1493	0.1673		1.12	1.00	12.0	20.0
Diallate Peak 2	Ave	0.3650	0.3668		0.261	0.260	0.5	20.0
Dimethoate	Lin1		0.3045		0.957	1.00	-4.3	20.0
4-Aminobiphenyl	Lin1		0.7551		0.980	1.00	-2.0	20.0
Pronamide	Lin1		0.3312		1.07	1.00	6.9	20.0
Pentachloronitrobenzene	Lin1		0.0822		1.10	1.00	9.9	20.0
Disulfoton	Lin1		0.4098		0.999	1.00	-0.0	20.0
Dinoseb	Lin1		0.1444		1.05	1.00	4.8	20.0
Methyl parathion	Lin1		0.2594		0.972	1.00	-2.8	20.0
Ethyl Parathion	Lin1		0.1602		0.972	1.00	-2.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Lab Sample ID: CCV 240-666181/3 Calibration Date: 08/04/2025 08:37

Instrument ID: A4AG3 Calib Start Date: 06/27/2025 11:46

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 06/27/2025 14:24

Lab File ID: 250804003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitroquinoline-1-oxide	Qua		0.0221		0.542	1.00	-45.8*	20.0
Methapyrilene	Lin1		0.6305		2.10	2.00	4.8	20.0
Isodrin	Ave	0.1247	0.1116		0.895	1.00	-10.5	20.0
Aramite Peak 1	Lin1		0.1247		0.503	0.480	4.7	20.0
Aramite Peak 2	Lin1		0.2552		0.536	0.520	3.0	20.0
p-Dimethylamino azobenzene	Lin1		0.2478		0.956	1.00	-4.4	20.0
Chlorobenzilate	Lin1		0.5438		1.04	1.00	4.1	20.0
Famphur	Ave	0.2034	0.1049		0.516	1.00	-48.4*	20.0
3,3'-Dimethylbenzidine	Lin1		0.6709		0.958	1.00	-4.2	20.0
2-Acetylaminofluorene	Lin1		0.5692		1.03	1.00	3.1	20.0
4,4'-Methylene bis(2-chloroaniline)	Lin1		0.2397		1.06	1.00	5.8	20.0
6-Methylchrysene	Ave	0.7932	0.8556		2.16	2.00	7.9	20.0
7,12-Dimethylbenz(a)anthracene	Lin1		0.5582		0.983	1.00	-1.7	20.0
3-Methylcholanthrene	Lin1		0.6105		1.98	2.00	-1.1	20.0
Dibenz[a,h]acridine	Lin1		0.8762		0.970	1.00	-3.0	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804003.D
Lims ID: ccv lst2
Client ID:
Sample Type: CCV
Inject. Date: 04-Aug-2025 08:37:55 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: CCV LST2
Misc. Info.: 240-0157591-003
Operator ID: Instrument ID: A4AG3
Sublist: chrom-LVI AG3 8270*sub12

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:25:56 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 09:16:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	96	108074	400.0	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	543153	400.0	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	92	300289	400.0	400.0	
* 4 Phenanthrene-d10	188	10.140	10.134	0.006	97	474908	400.0	400.0	
* 5 Chrysene-d12	240	12.787	12.781	0.006	98	338125	400.0	400.0	
* 6 Perylene-d12	264	14.945	14.939	0.006	97	323610	400.0	400.0	
18 2-Picoline	93	4.722	4.805	-0.083	96	307497	1000.0	884.9	
19 N-Nitrosomethylethylamine	88	4.799	4.881	-0.082	97	181640	1000.0	1010.6	
22 Methyl methanesulfonate	80	5.058	5.128	-0.070	88	234862	1000.0	979.5	
23 N-Nitrosodiethylamine	102	5.416	5.481	-0.065	93	189690	1000.0	1061.1	
24 Ethyl methanesulfonate	79	5.652	5.711	-0.059	98	331863	1000.0	1136.2	
28 Pentachloroethane	167	6.105	6.158	-0.053	94	115641	1000.0	1021.0	
43 N-Nitrosopyrrolidine	100	6.622	6.675	-0.053	89	221758	1000.0	1078.6	
44 N-Nitrosomorpholine	56	6.652	6.699	-0.047	93	322134	1000.0	1130.2	
47 2-Toluidine	106	6.687	6.734	-0.047	97	678296	1000.0	1126.7	
52 N-Nitrosopiperidine	114	6.922	6.975	-0.047	83	239286	1000.0	1056.4	
56 o,o',o''-Triethylphosphorothioat	198	7.122	7.081	0.047	89	187034	1000.0	1019.5	
59 alpha,alpha-Dimethyl phenethylam	58	7.240	7.193	0.053	98	816094	1000.0	1081.0	
67 Hexachloropropene	213	7.499	7.452	0.053	93	205758	1000.0	976.7	
70 N-Nitrosodi-n-butylamine	84	7.705	7.658	0.053	93	310406	1000.0	1008.8	
69 Quinoline	129	7.693	7.683	-0.047	97	911771	1000.0	1029.0	
71 p-Phenylene diamine	108	7.734	7.787	-0.047	97	292435	1000.0	698.0	
81 Safrole, Total	162	7.899	7.852	0.053	88	340594	1000.0	1011.9	
75 Isosafrole Peak 1	162	8.146	8.093	0.053	0	59590	160.0	169.2	
87 Isosafrole Peak 2	162	8.334	8.302	0.071	0	348414	840.0	901.9	
92 1,4-Naphthoquinone	158	8.540	8.487	0.053	84	236714	1000.0	960.2	
93 1,4-Dinitrobenzene	168	8.569	8.616	-0.047	93	133836	1000.0	1013.6	
103 Pentachlorobenzene	250	9.028	9.075	-0.047	97	267305	1000.0	1039.1	
106 1-Naphthylamine	143	9.110	9.122	-0.012	99	810626	1000.0	1091.9	
109 2-Naphthylamine	143	9.175	9.158	0.018	96	853586	1000.0	953.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
107 2,3,5,6-Tetrachlorophenol	232	9.116	9.163	-0.047	90	172096	NC	NC	
112 Thionazin	97	9.263	9.269	-0.006	81	214549	1000.0	980.8	
113 N-Nitro-o-toluidine	152	9.328	9.319	-0.047	96	273351	1000.0	1005.6	
122 Sulfotepp	202	9.510	9.463	0.053	78	97985	1000.0	1099.9	
126 Phorate	121	9.652	9.604	0.053	95	198652	1000.0	1120.4	
123 1,3,5-Trinitrobenzene	213	9.604	9.622	-0.012	83	75124	1000.0	1094.2	
125 Diallate Peak 1	86	9.640	9.643	-0.012	0	317353	740.0	748.0	
124 Phenacetin	108	9.646	9.698	-0.047	88	466883	1000.0	1057.5	
127 Diallate Peak 2	86	9.722	9.722	-0.012	0	113214	260.0	261.2	
129 Dimethoate	87	9.799	9.851	-0.047	96	361562	1000.0	956.9	
134 Pronamide	173	9.975	9.928	0.053	90	393177	1000.0	1069.4	
132 4-Aminobiphenyl	169	9.951	9.963	-0.007	90	896565	1000.0	980.5	
136 Pentachloronitrobenzene	237	9.987	10.046	-0.053	82	97546	1000.0	1099.1	
138 Dinoseb	211	10.099	10.052	0.053	93	171420	1000.0	1047.6	
137 Disulfoton	88	10.087	10.099	-0.006	98	486503	1000.0	999.4	
143 Methyl parathion	109	10.410	10.464	-0.047	91	307947	1000.0	972.3	
145 Ethyl Parathion	97	10.728	10.731	0.053	82	190259	1000.0	972.3	
146 4-Nitroquinoline-1-oxide	190	10.793	10.805	-0.006	79	26184	1000.0	542.2	
147 Methapyrilene	58	10.828	10.846	-0.012	98	1497236	2000.0	2095.3	
148 Isodrin	66	11.051	11.111	-0.053	92	132456	1000.0	894.9	
152 Aramite Peak 1	185	11.446	11.452	-0.005	0	50616	480.0	502.7	
153 Aramite Peak 2	185	11.516	11.528	-0.012	0	112163	520.0	535.6	
154 p-Dimethylamino azobenzene	225	11.651	11.710	-0.059	91	209460	1000.0	956.3	
155 Chlorobenzilate	139	11.681	11.740	-0.059	80	459689	1000.0	1040.6	
156 Famphur	218	11.946	12.010	-0.064	88	88674	1000.0	515.8	
158 3,3'-Dimethylbenzidine	212	12.016	12.081	-0.065	99	567112	1000.0	957.5	
160 2-Acetylaminofluorene	181	12.322	12.393	-0.071	94	481127	1000.0	1030.6	
161 4,4'-Methylene bis(2-chloroanil	231	12.687	12.693	-0.006	94	202632	1000.0	1057.6	
166 6-Methylchrysene	242	13.451	13.540	-0.089	99	1446515	2000.0	2157.4	
168 7,12-Dimethylbenz(a)anthracene	256	14.322	14.416	-0.088	92	451576	1000.0	982.7	
172 3-Methylcholanthrene	268	15.404	15.422	-0.012	94	987794	2000.0	1977.6	
174 Dibenz[a,h]acridine	279	16.275	16.293	-0.012	92	708840	1000.0	969.6	
S 199 Isosafrole	162				0		1000.0	1071.1	
S 200 Diallate	86				0		1000.0	1009.2	
S 201 Aramite, Total	185				0		1000.0	1038.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SMLIST2 L6 W_00039 Amount Added: 0.10 Units: mL

Report Date: 04-Aug-2025 12:25:57 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804003.D

Injection Date: 04-Aug-2025 08:37:55 Instrument ID: A4AG3 Operator ID:

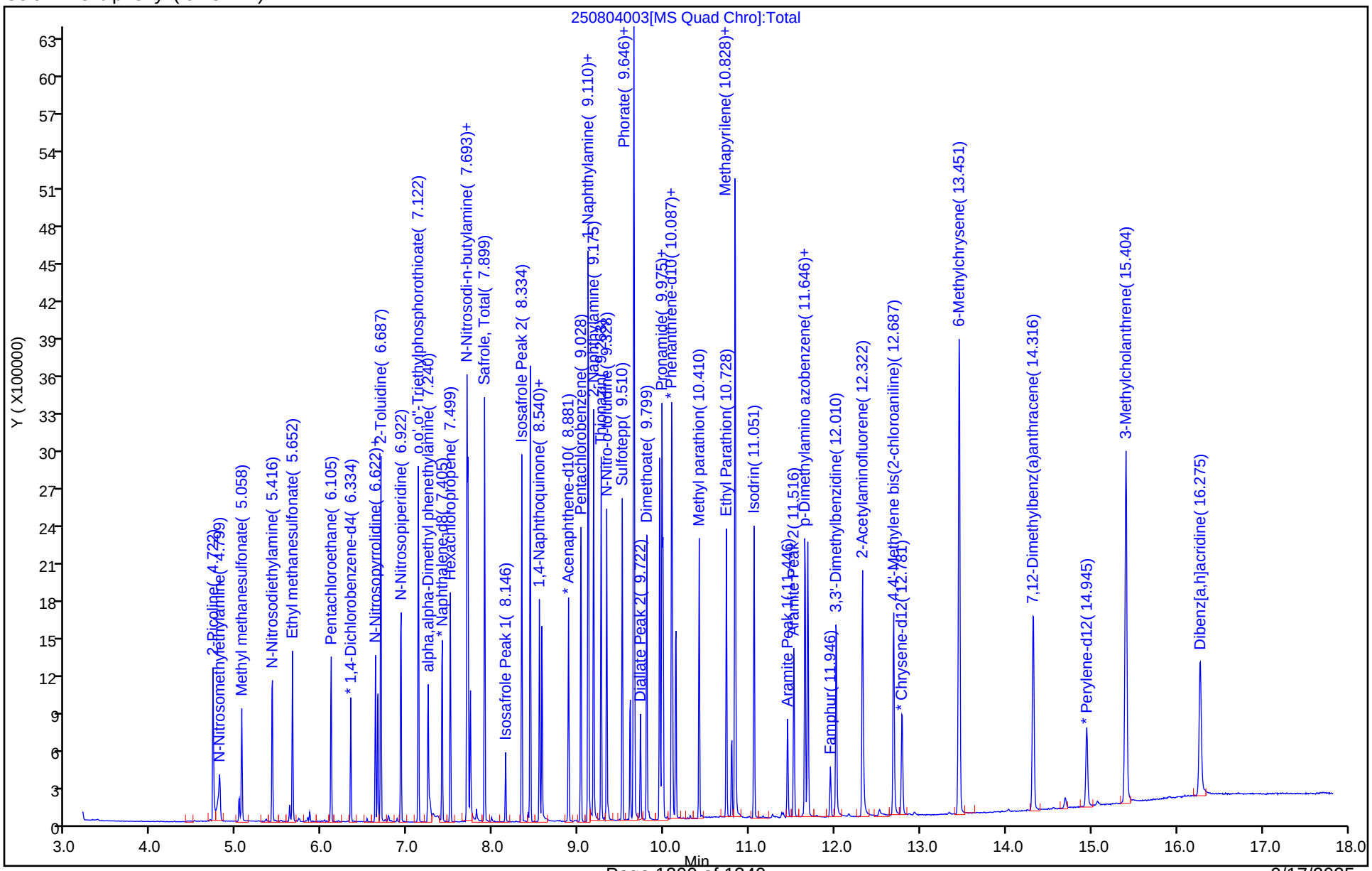
Lims ID: ccv lst2 Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627001.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 27-Jun-2025 07:42:25 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 240-0156317-001
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 28-Jun-2025 12:29:53 Calib Date: 27-Jun-2025 14:24:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627019.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1653

First Level Reviewer: KDZ4 Date: 27-Jun-2025 08:24:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
135 Pentachlorophenol	266	9.940	9.940	0.000	88	330583	NR	NR	
150 Benzidine	184	11.228	11.228	0.000	99	1662701	NR	NR	
195 DFTPP									
196 4,4'-DDE	246	11.531	11.531	0.000	1	0		NR	a
197 4,4'-DDD	235	11.810	11.810	0.000	92	2357		NR	a
198 4,4'-DDT	235	12.104	12.104	0.000	96	873607	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

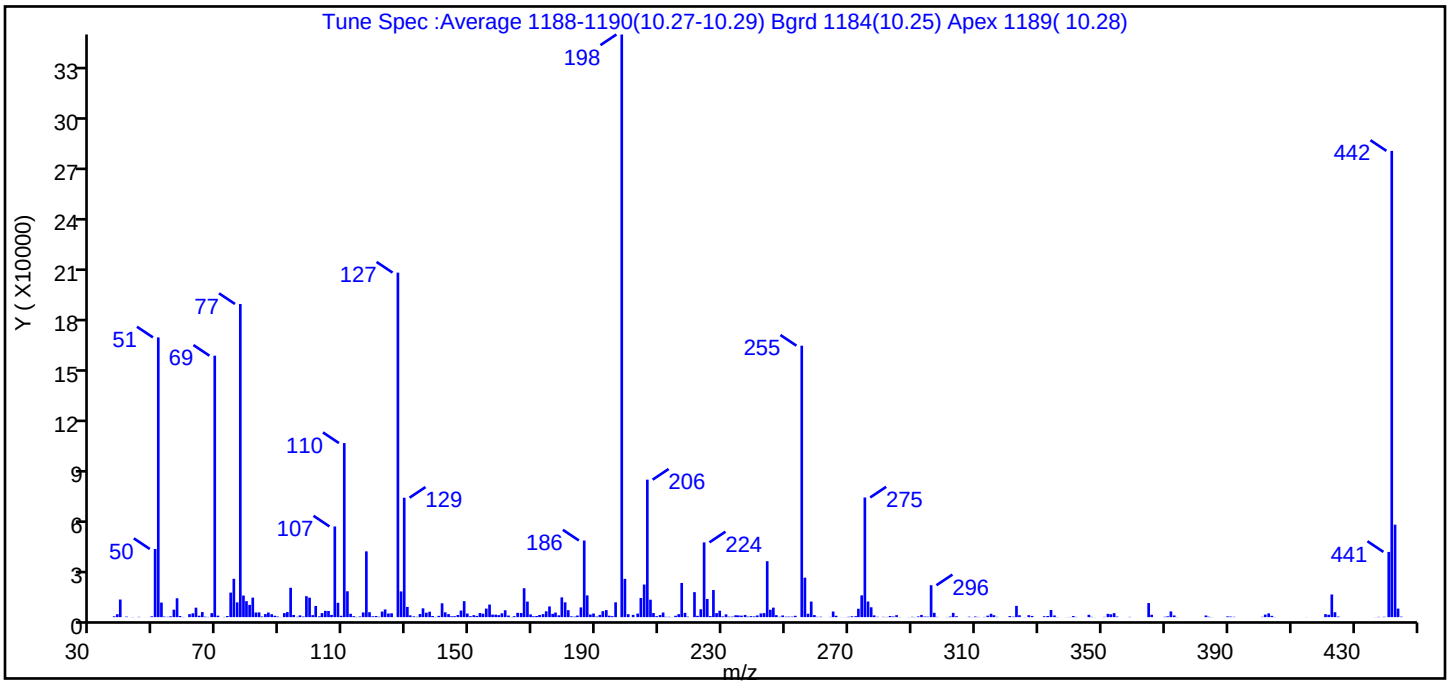
SMDFTPPW_00030 Amount Added: 0.10 Units: mL

MS Tune Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627001.D
Injection Date: 27-Jun-2025 07:42:25 Instrument ID: A4AG3
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Tune Method: DFTPP Method CLP OLM4.2

195 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100 percent relative abundance	100
51	30.0 - 80.0 percent of mass 198	48.0
68	Less than 2.0 percent of mass 69	0.7 (1.5)
69	Present	44.9
70	Less than 2.0 percent of mass 69	0.3 (0.6)
127	25.0 - 75.0 percent of mass 198	59.1
197	Less than 1.0 percent of mass 198	0.0
199	5.0 - 9.0 percent of mass 198	6.6
275	10.0 - 30.0 percent of mass 198	20.5
365	Greater than 0.75 percent of mass 198	2.4
441	Present but less than mass 443	11.2 (70.5)
442	40.0 - 110.0 percent of mass 198	80.0
443	15.0 - 24.0 percent of mass 442	15.9 (19.8)

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627001.D\LVI AG3 8270.rslt\spectra.d
Injection Date: 27-Jun-2025 07:42:25
Spectrum: Tune Spec :Average 1188-1190(10.27-10.29) Bgrd 1184(10.25) Apex 1189(10.28)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	490	121.00	242	203.00	2085	290.00	189
38.00	1703	122.00	3265	204.00	11244	291.00	67
39.00	10355	123.00	4528	205.00	19168	292.00	428
41.00	320	124.00	2135	206.00	80808	293.00	1294
43.00	89	125.00	2274	207.00	10243	294.00	351
45.00	173	127.00	202496	208.00	2410	295.00	279
47.00	17	128.00	15130	209.00	566	296.00	18752
48.00	33	129.00	70200	210.00	1224	297.00	2551
49.00	479	130.00	6008	211.00	2733	298.00	160
50.00	40048	131.00	1061	212.00	205	301.00	117
51.00	164416	132.00	474	213.00	226	302.00	355
52.00	8560	133.00	210	214.00	72	303.00	2497
53.00	331	134.00	1845	215.00	803	304.00	537
54.00	185	135.00	5174	216.00	1730	308.00	255
55.00	483	136.00	2623	217.00	20096	309.00	62
56.00	4388	137.00	3182	218.00	2527	310.00	381
57.00	11105	138.00	655	219.00	307	311.00	136
58.00	643	139.00	126	221.00	14702	313.00	139
59.00	112	140.00	759	222.00	777	314.00	881
61.00	1754	141.00	8139	223.00	4645	315.00	1994
62.00	2260	142.00	2832	224.00	43952	316.00	1142
63.00	5561	143.00	1782	225.00	10684	317.00	168
64.00	833	144.00	501	226.00	611	321.00	619
65.00	2992	145.00	567	227.00	15943	322.00	293
66.00	275	146.00	1276	228.00	2356	323.00	6619
67.00	130	147.00	3873	229.00	3768	324.00	1114
68.00	2355	148.00	9401	230.00	433	326.00	85
69.00	153664	149.00	2125	231.00	1629	327.00	1157
70.00	868	150.00	561	232.00	303	328.00	713
71.00	6	151.00	1160	233.00	342	332.00	522
72.00	130	152.00	749	234.00	1112	333.00	684
73.00	686	153.00	2413	235.00	1024	334.00	4200
74.00	14420	154.00	2013	236.00	890	335.00	975

Report Date: 28-Jun-2025 12:29:53 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627001.D\LVI AG3 8270.rslt\spectra.d
Injection Date: 27-Jun-2025 07:42:25
Spectrum: Tune Spec :Average 1188-1190(10.27-10.29) Bgrd 1184(10.25) Apex 1189(10.28)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	22544	155.00	5028	237.00	1293	336.00	114
76.00	8684	156.00	7400	238.00	285	339.00	58
77.00	184064	157.00	1478	239.00	584	340.00	93
78.00	12697	158.00	1461	240.00	443	341.00	651
79.00	9399	159.00	1175	241.00	1011	342.00	144
80.00	7198	160.00	2266	242.00	2191	346.00	1384
81.00	11471	161.00	4054	243.00	2376	347.00	190
82.00	2730	162.00	954	244.00	32880	348.00	50
83.00	2794	163.00	96	245.00	4354	351.00	169
84.00	386	164.00	569	246.00	5591	352.00	1947
85.00	1808	165.00	2536	247.00	1170	353.00	1678
86.00	2729	166.00	2417	248.00	202	354.00	2335
87.00	1712	167.00	17000	249.00	991	355.00	335
88.00	800	168.00	9138	250.00	260	359.00	148
89.00	358	169.00	1623	251.00	300	365.00	8286
90.00	69	170.00	523	252.00	310	366.00	1391
91.00	2373	171.00	686	253.00	793	370.00	230
92.00	2956	172.00	1280	255.00	159552	371.00	486
93.00	17256	173.00	1783	256.00	23200	372.00	3363
94.00	1277	174.00	3445	257.00	2007	373.00	974
95.00	193	175.00	6298	258.00	9152	374.00	68
96.00	1041	176.00	1932	259.00	1200	383.00	974
97.00	361	177.00	2700	260.00	182	384.00	275
98.00	12327	178.00	1068	261.00	245	385.00	76
99.00	11441	179.00	11621	264.00	143	390.00	457
100.00	1169	180.00	8700	265.00	3315	391.00	329
101.00	6580	181.00	4092	266.00	802	392.00	204
102.00	470	182.00	472	268.00	60	401.00	196
103.00	2377	183.00	320	269.00	52	402.00	1498
104.00	3717	184.00	939	270.00	218	403.00	2238
105.00	3608	185.00	5709	271.00	512	404.00	759
106.00	1320	186.00	45056	272.00	557	405.00	74
107.00	53304	187.00	12780	273.00	4932	415.00	51
108.00	8430	188.00	1546	274.00	12802	421.00	1753

Report Date: 28-Jun-2025 12:29:53 Chrom Revision: 2.3 14-Jun-2025 12:06:34
Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627001.D\LVI AG3 8270.rslt\spectra.d
Injection Date: 27-Jun-2025 07:42:25
Spectrum: Tune Spec :Average 1188-1190(10.27-10.29) Bgrd 1184(10.25) Apex 1189(10.28)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 316

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	804	189.00	2134	275.00	70336	422.00	1401
110.00	102312	190.00	357	276.00	9185	423.00	13322
111.00	15205	191.00	1309	277.00	5805	424.00	2864
112.00	1974	192.00	3514	278.00	1025	425.00	328
113.00	573	193.00	4170	279.00	208	437.00	59
114.00	135	194.00	857	281.00	186	438.00	168
115.00	409	195.00	568	282.00	116	440.00	211
116.00	2754	196.00	8723	283.00	685	441.00	38336
117.00	38664	198.00	342464	284.00	387	442.00	274048
118.00	2897	199.00	22496	285.00	1171	443.00	54368
119.00	486	200.00	1742	286.00	102	444.00	5028
120.00	673	202.00	1327	289.00	70	445.00	282

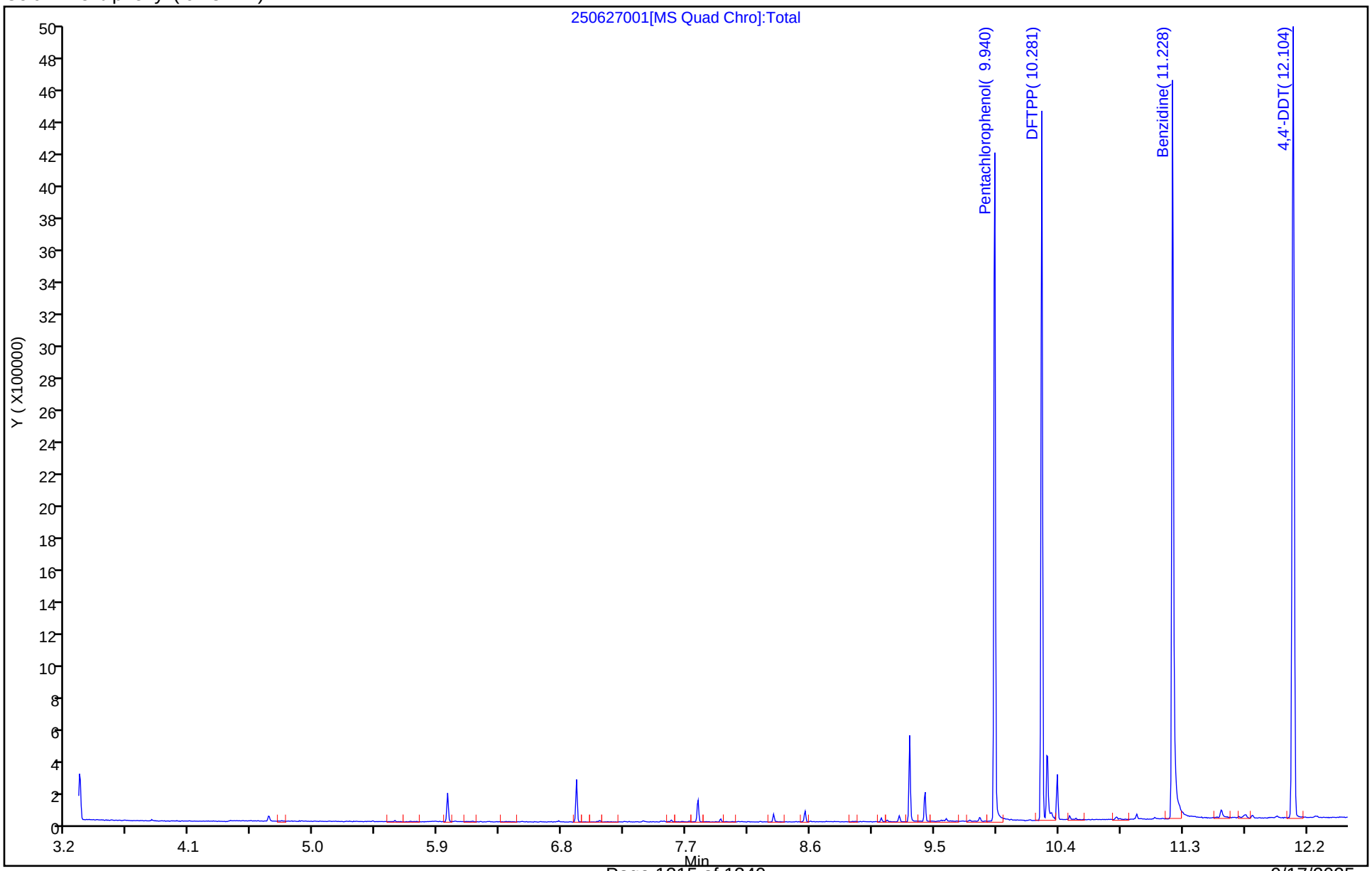
Report Date: 28-Jun-2025 12:29:53 Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627001.D

Injection Date:	27-Jun-2025 07:42:25	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	dftpp			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



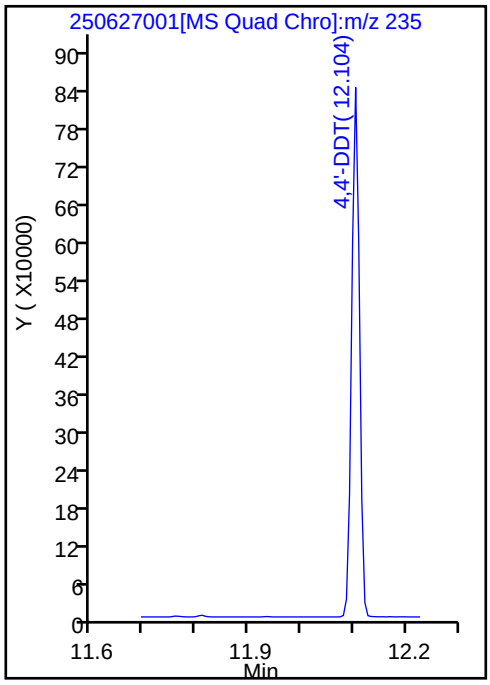
9/17/2025
1:48:31 PM

Breakdown Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627001.D
Injection Date: 27-Jun-2025 07:42:25 Instrument ID: A4AG3
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

198 4,4'-DDT, Detector: MS Quad



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

198 4,4'-DDT, Area = 873607
197 4,4'-DDD, Area = 2357
196 4,4'-DDE, Area = 0

%Breakdown: 0.27%, <= 20.00%
Passed

Peak Tailing Report

Eurofins Cleveland

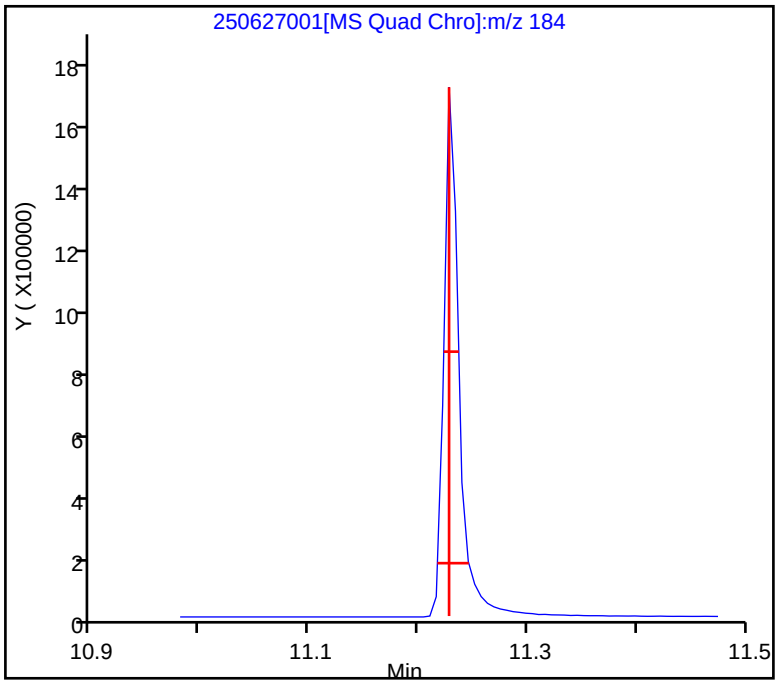
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Injection Date: 27-Jun-2025 07:42:25 Instrument ID: A4AG3
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

150 Benzidine, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.64, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Cleveland

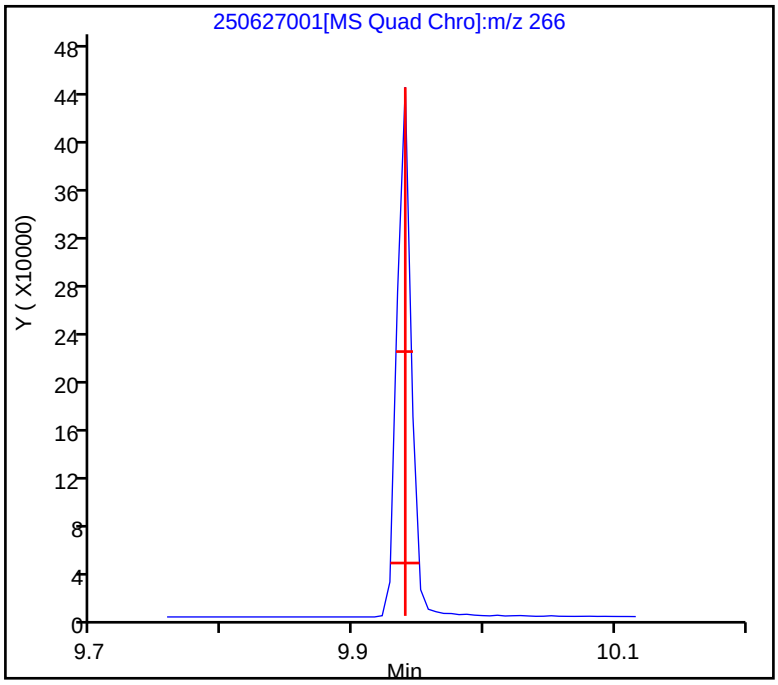
Data File: \\chromfs\Canton\ChromData\A4AG3\20250627-156317.b\250627001.D
Injection Date: 27-Jun-2025 07:42:25 Instrument ID: A4AG3
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

135 Pentachlorophenol, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Aug-2025 07:53:35 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Misc. Info.: 240-0157591-001
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:25:48 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 08:13:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
135 Pentachlorophenol	266	9.975	9.975	0.000	88	330396	NR	NR	
150 Benzidine	184	11.269	11.269	0.000	99	1465972	NR	NR	
195 DFTPP									
196 4,4'-DDE	246	11.451	11.451	0.000	1	437		NR	a
197 4,4'-DDD	235	11.846	11.846	0.000	91	3257		NR	
198 4,4'-DDT	235	12.146	12.146	0.000	96	965984	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

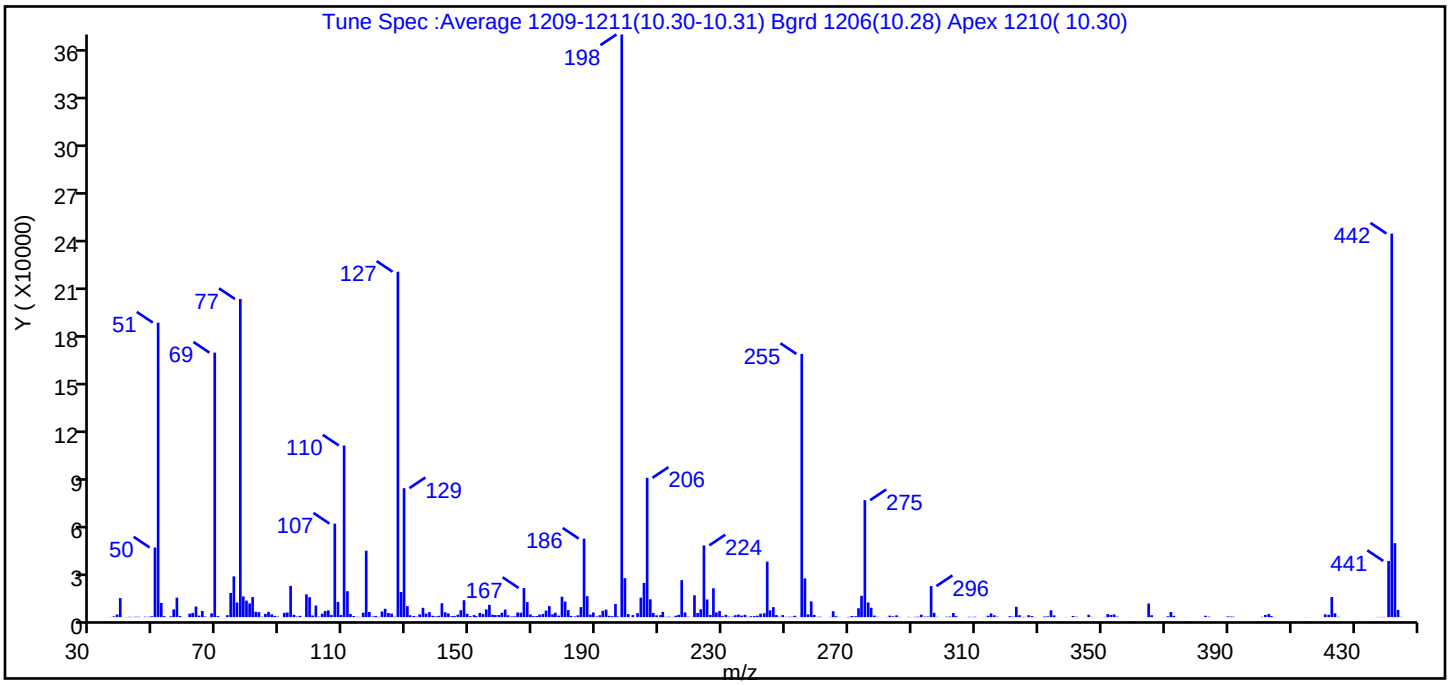
SMDFTPPW_00030 Amount Added: 0.10 Units: mL

MS Tune Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D
Injection Date: 04-Aug-2025 07:53:35 Instrument ID: A4AG3
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL
Tune Method: DFTPP Method CLP OLM4.2

195 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak, 100 percent relative abundance	100
51	30.0 - 80.0 percent of mass 198	50.6
68	Less than 2.0 percent of mass 69	0.7 (1.4)
69	Present	45.4
70	Less than 2.0 percent of mass 69	0.2 (0.4)
127	25.0 - 75.0 percent of mass 198	59.3
197	Less than 1.0 percent of mass 198	0.1
199	5.0 - 9.0 percent of mass 198	6.7
275	10.0 - 30.0 percent of mass 198	20.1
365	Greater than 0.75 percent of mass 198	2.3
441	Present but less than mass 443	9.6 (75.9)
442	40.0 - 110.0 percent of mass 198	65.8
443	15.0 - 24.0 percent of mass 442	12.7 (19.3)

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D\LVI AG3 8270.rslt\spectra.d
Injection Date: 04-Aug-2025 07:53:35
Spectrum: Tune Spec :Average 1209-1211(10.30-10.31) Bgrd 1206(10.28) Apex 1210(10.30)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	110	121.00	237	201.00	1287	289.00	168
37.00	481	122.00	3541	203.00	2488	290.00	74
38.00	1621	123.00	5247	204.00	12235	291.00	217
39.00	11923	124.00	2594	205.00	21432	292.00	280
41.00	98	125.00	2233	206.00	87328	293.00	1524
42.00	227	126.00	262	207.00	11158	294.00	328
43.00	151	127.00	216448	208.00	2619	295.00	376
44.00	297	128.00	15791	209.00	1161	296.00	19472
45.00	219	129.00	80824	210.00	1280	297.00	2715
47.00	282	130.00	6891	211.00	3320	298.00	171
48.00	280	131.00	1196	212.00	226	301.00	260
49.00	540	132.00	720	213.00	306	302.00	410
50.00	43648	133.00	312	214.00	127	303.00	2555
51.00	184576	134.00	1746	215.00	875	304.00	602
52.00	8908	135.00	5829	216.00	1464	308.00	232
53.00	651	136.00	2244	217.00	23208	309.00	165
55.00	521	137.00	3150	218.00	2952	310.00	264
56.00	4858	138.00	832	219.00	314	313.00	138
57.00	12220	139.00	462	221.00	13678	314.00	878
58.00	667	140.00	829	222.00	2573	315.00	2359
59.00	61	141.00	8727	223.00	4907	316.00	1160
60.00	31	142.00	3002	224.00	44968	317.00	298
61.00	2129	143.00	2299	225.00	11085	321.00	591
62.00	2665	144.00	634	226.00	1384	322.00	296
63.00	6639	145.00	667	227.00	18096	323.00	6478
64.00	968	146.00	1527	228.00	2951	324.00	1190
65.00	3905	147.00	4357	229.00	3879	325.00	147
66.00	380	148.00	10632	230.00	608	326.00	132
67.00	108	149.00	2125	231.00	1444	327.00	1208
68.00	2391	150.00	650	232.00	365	328.00	690
69.00	165760	151.00	1300	233.00	331	329.00	103
70.00	683	152.00	694	234.00	1204	332.00	84
72.00	73	153.00	2677	235.00	1581	332.00	420

Report Date: 04-Aug-2025 12:25:49 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D\LVI AG3 8270.rslt\spectra.d
Injection Date: 04-Aug-2025 07:53:35
Spectrum: Tune Spec :Average 1209-1211(10.30-10.31) Bgrd 1206(10.28) Apex 1210(10.30)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	1250	154.00	2076	236.00	969	333.00	504
74.00	15128	155.00	4830	237.00	1495	334.00	4288
75.00	25528	156.00	7712	238.00	175	335.00	1079
76.00	9204	157.00	1522	239.00	580	336.00	62
77.00	199360	158.00	1293	240.00	667	339.00	81
78.00	12993	159.00	1340	241.00	936	341.00	727
79.00	10370	160.00	2731	242.00	2167	342.00	304
80.00	8612	161.00	4754	243.00	2396	346.00	1477
81.00	12566	162.00	1205	244.00	34768	347.00	213
82.00	3358	163.00	432	245.00	4261	351.00	135
83.00	3152	164.00	531	246.00	6286	352.00	1937
84.00	260	165.00	2922	247.00	1297	353.00	1338
85.00	2016	166.00	2746	248.00	260	354.00	1706
86.00	3264	167.00	18296	249.00	1273	355.00	326
87.00	1723	168.00	9482	250.00	207	359.00	71
88.00	814	169.00	1702	251.00	289	365.00	8544
89.00	385	170.00	629	252.00	319	366.00	1234
91.00	2684	171.00	713	253.00	856	370.00	83
92.00	2920	172.00	1568	254.00	123	371.00	515
93.00	19568	173.00	2009	255.00	164928	372.00	3186
94.00	1455	174.00	4101	256.00	24272	373.00	844
95.00	406	175.00	6914	257.00	1732	377.00	61
96.00	804	176.00	1787	258.00	9888	383.00	861
97.00	5	177.00	2762	259.00	1364	384.00	331
98.00	14288	178.00	954	260.00	218	390.00	465
99.00	12536	179.00	12797	261.00	266	391.00	355
100.00	1022	180.00	9755	263.00	54	392.00	267
101.00	7270	181.00	4393	264.00	183	401.00	237
102.00	310	182.00	762	265.00	3696	402.00	1342
103.00	2161	183.00	434	266.00	591	403.00	2028
104.00	3833	184.00	1143	267.00	142	404.00	664
105.00	4218	185.00	6292	270.00	93	405.00	59
106.00	1300	186.00	49200	270.00	178	415.00	87
107.00	58600	187.00	13133	271.00	750	421.00	1742

Report Date: 04-Aug-2025 12:25:49 Chrom Revision: 2.3 25-Jul-2025 13:52:40
Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D\LVI AG3 8270.rslt\spectra.d
Injection Date: 04-Aug-2025 07:53:35
Spectrum: Tune Spec :Average 1209-1211(10.30-10.31) Bgrd 1206(10.28) Apex 1210(10.30)
Base Peak: 197.95
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	9538	188.00	1612	272.00	606	422.00	1505
109.00	1334	189.00	2922	273.00	5575	423.00	12598
110.00	107576	190.00	407	274.00	13381	424.00	2385
111.00	16244	191.00	1190	275.00	73312	425.00	217
112.00	2019	192.00	3962	276.00	9193	437.00	52
113.00	723	193.00	4705	277.00	5900	438.00	156
114.00	218	194.00	844	278.00	971	439.00	145
115.00	175	195.00	614	279.00	221	440.00	122
116.00	2803	196.00	8234	282.00	96	441.00	35200
117.00	41616	197.00	399	283.00	962	442.00	240384
118.00	3214	198.00	365120	284.00	543	443.00	46352
119.00	411	199.00	24424	285.00	1129	444.00	4522
120.00	742	200.00	1954	286.00	184	445.00	192

Report Date: 04-Aug-2025 12:25:49 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D

Injection Date: 04-Aug-2025 07:53:35 Instrument ID: A4AG3 Operator ID:

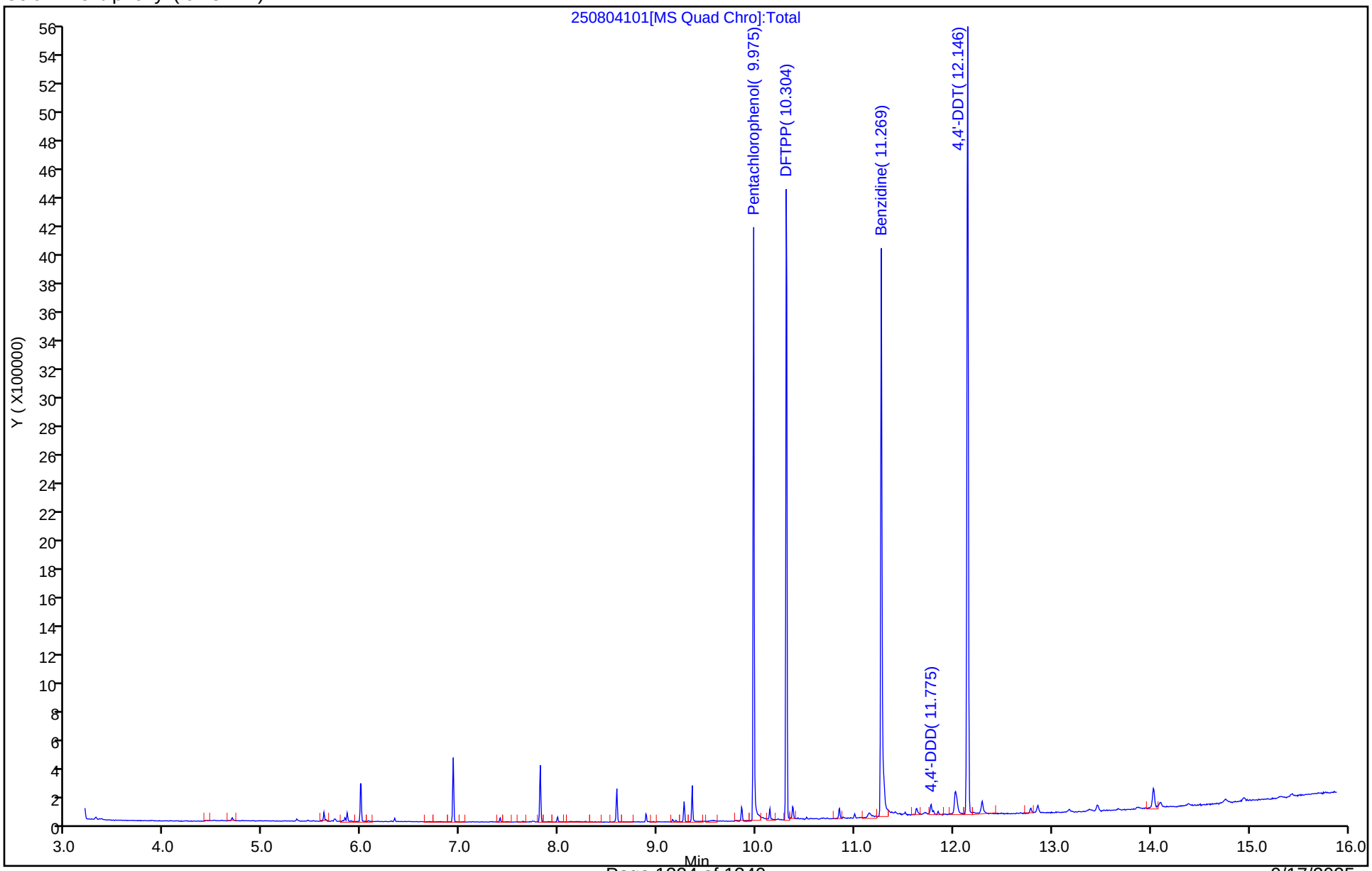
Lims ID: dftpp Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 1

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Breakdown Report

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D
Injection Date: 04-Aug-2025 07:53:35 Instrument ID: A4AG3
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

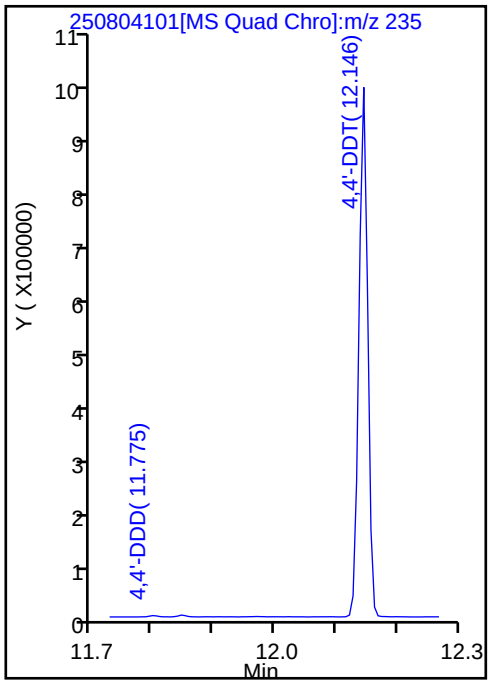
198 4,4'-DDT, Detector: MS Quad

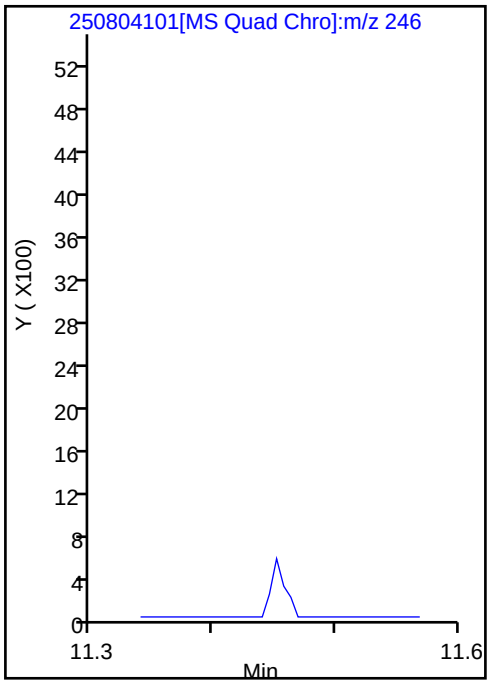
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

198 4,4'-DDT, Area = 965984
197 4,4'-DDD, Area = 3257
196 4,4'-DDE, Area = 437

%Breakdown: 0.38%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Cleveland

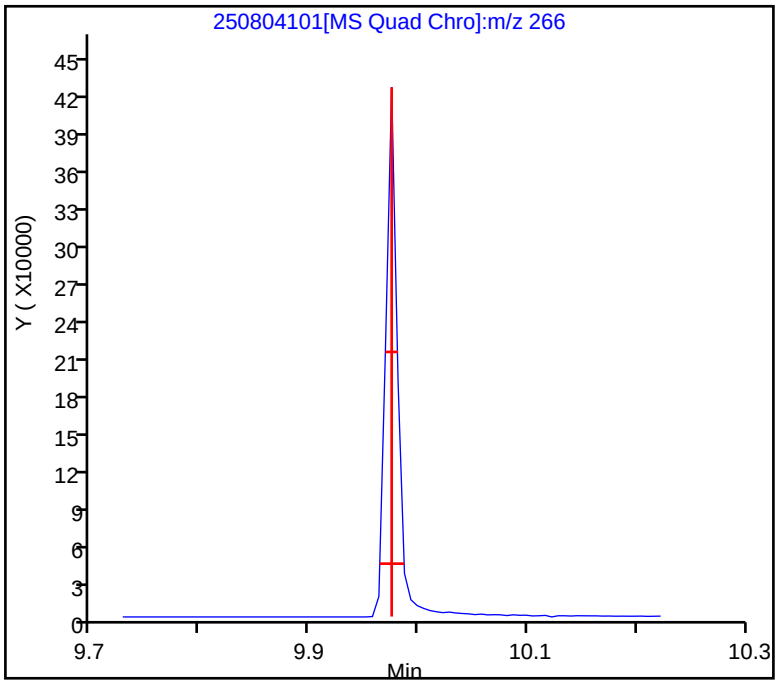
Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D
Injection Date: 04-Aug-2025 07:53:35 Instrument ID: A4AG3
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

135 Pentachlorophenol, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.00, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Cleveland

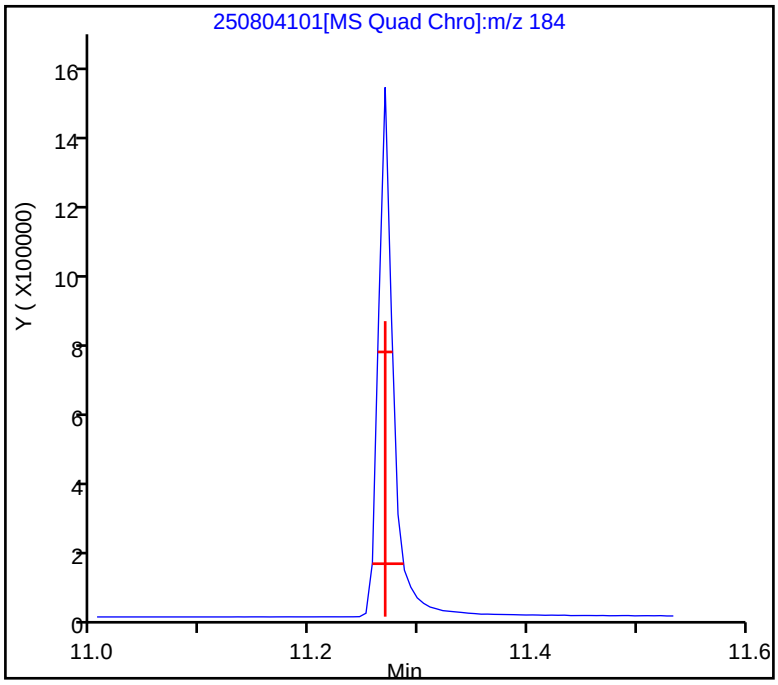
Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804101.D
Injection Date: 04-Aug-2025 07:53:35 Instrument ID: A4AG3
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

150 Benzidine, Detector: MS Quad

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.42, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-666059/1-A

Matrix: Water | Lab File ID: 250804008.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 250(mL) | Date Analyzed: 08/04/2025 10:06

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	10	U	10	3.0
130-15-4	1,4-Naphthoquinone	10	U	10	3.0
134-32-7	1-Naphthylamine	10	U	10	3.0
105-67-9	2,4-Dimethylphenol	10	U	10	3.0
51-28-5	2,4-Dinitrophenol	10	U	10	6.2
53-96-3	2-Acetylaminofluorene	10	U	10	3.0
91-59-8	2-Naphthylamine	10	U	10	7.0
109-06-8	2-Picoline	10	U	10	1.0
91-94-1	3,3'-Dichlorobenzidine	10	U	10	3.0
119-93-7	3,3'-Dimethylbenzidine	10	U	10	3.3
56-49-5	3-Methylcholanthrene	10	U	10	1.0
99-09-2	3-Nitroaniline	10	U	10	2.0
534-52-1	4,6-Dinitro-2-methylphenol	10	U	10	3.0
92-67-1	4-Aminobiphenyl	10	U	10	3.0
106-47-8	4-Chloroaniline	10	U	10	3.3
100-01-6	4-Nitroaniline	10	U	10	1.5
56-57-5	4-Nitroquinoline-1-oxide	50	U	50	5.0
57-97-6	7,12-Dimethylbenz(a)anthracene	10	U	10	1.8
98-86-2	Acetophenone	10	U	10	1.0
62-53-3	Aniline	10	U	10	1.1
140-57-8	Aramite, Total	10	U	10	3.7
100-51-6	Benzyl alcohol	10	U	10	3.0
111-91-1	Bis(2-chloroethoxy)methane	1.0	U	1.0	0.50
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.50
85-68-7	Butyl benzyl phthalate	10	U	10	0.70
510-15-6	Chlorobenzilate	10	U	10	3.0
84-74-2	Di-n-butyl phthalate	10	U	10	1.8
298-04-4	Disulfoton	10	U	10	3.0
56-38-2	Ethyl Parathion	10	U	10	3.0
52-85-7	Famphur	10	U	10	5.0
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-666059/1-A

Matrix: Water | Lab File ID: 250804008.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 250(mL) | Date Analyzed: 08/04/2025 10:06

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	10	U	10	0.40
78-59-1	Isophorone	10	U	10	0.50
120-58-1	Isosafrole	5.0	U	5.0	1.6
91-80-5	Methapyrilene	10	U	10	3.0
66-27-3	Methyl methanesulfonate	10	U	10	1.0
298-00-0	Methyl parathion	10	U	10	3.2
924-16-3	N-Nitrosodi-n-butylamine	10	U	10	3.0
621-64-7	N-Nitrosodi-n-propylamine	10	U	10	0.50
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.58
10595-95-6	N-Nitrosomethylethylamine	10	U	10	1.0
930-55-2	N-Nitrosopyrrolidine	10	U	10	0.50
60-11-7	p-Dimethylamino azobenzene	10	U	10	3.0
106-50-3	p-Phenylene diamine	150	U	150	26
23950-58-5	Pronamide	5.0	U	5.0	1.5
110-86-1	Pyridine	10	U	10	2.0
95-53-4	2-Toluidine	10	U	10	4.0
100-02-7	4-Nitrophenol	10	U	10	3.0
95-95-4	2,4,5-Trichlorophenol	10	U	10	2.0
120-83-2	2,4-Dichlorophenol	10	U	10	1.6
59-50-7	4-Chloro-3-methylphenol	10	U	10	1.0
88-75-5	2-Nitrophenol	10	U	10	1.3
88-06-2	2,4,6-Trichlorophenol	10	U	10	1.8
95-48-7	2-Methylphenol	10	U	10	0.96
87-65-0	2,6-Dichlorophenol	10	U	10	1.4
95-57-8	2-Chlorophenol	10	U	10	1.0
108-95-2	Phenol	10	U	10	0.77
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	1.8
15831-10-4	3 & 4 Methylphenol	20	U	20	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-666059/1-A

Matrix: Water | Lab File ID: 250804008.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 250(mL) | Date Analyzed: 08/04/2025 10:06

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	99		43-136
4165-62-2	Phenol-d5 (Surr)	61		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	79		40-120
367-12-4	2-Fluorophenol (Surr)	72		10-127
321-60-8	2-Fluorobiphenyl (Surr)	84		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	80		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804008.D
Lims ID: MB 240-666059/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-Aug-2025 10:06:50 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: MB 240-666059/1-A
Misc. Info.: 240-0157591-008
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 10:50:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	94543	400.0	400.0	
* 2 Naphthalene-d8	136	7.404	7.399	0.005	100	415315	400.0	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	93	241288	400.0	400.0	
* 4 Phenanthrene-d10	188	10.140	10.134	0.006	98	374275	400.0	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	280373	400.0	400.0	
* 6 Perylene-d12	264	14.945	14.939	0.006	97	273601	400.0	400.0	
$ 7 2-Fluorophenol	112	5.234	5.234	0.000	94	263993	1600.0	1155.6	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	361712	1600.0	978.6	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	92	546329	1600.0	1269.2	
$ 10 2-Fluorobiphenyl (Surr)	172	8.293	8.287	0.006	99	1061142	1600.0	1346.8	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	87	105824	1600.0	1287.0	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	97	1119655	1600.0	1584.1	
13 1,4-Dioxane	88		3.617					ND	
14 N-Nitrosodimethylamine	74		3.928					ND	
15 Pyridine	79		3.999					ND	
17 Ethyl methacrylate	69		4.440					ND	U
16 Dimethylformamide	73		4.568					ND	U
18 2-Picoline	93		4.805					ND	
19 N-Nitrosomethylethylamine	88		4.881					ND	
22 Methyl methanesulfonate	80		5.128					ND	
20 n,n'-Dimethylacetamide	44		5.315					ND	U
23 N-Nitrosodiethylamine	102		5.481					ND	
305 2-Butoxyethanol	57		5.499					ND	U
24 Ethyl methanesulfonate	79		5.711					ND	
26 Benzaldehyde	77		5.963					ND	U
27 Phenol	94		6.010					ND	
29 Aniline	93		6.052					ND	
30 Bis(2-chloroethyl)ether	93		6.081					ND	
25 Phenylmercaptan	110		6.099					ND	U
28 Pentachloroethane	167		6.158					ND	
32 2-Chlorophenol	128		6.163					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
33 n-Decane	57		6.175					ND	U
34 1,3-Dichlorobenzene	146		6.293					ND	
36 1,4-Dichlorobenzene	146		6.346					ND	
37 Benzyl alcohol	108		6.428					ND	
31 1-Methyl-2-pyrrilidinone	99		6.440					ND	U
39 1,2-Dichlorobenzene	146		6.481					ND	
40 2-Methylphenol	108		6.510					ND	
41 2,2'-oxybis[1-chloropropane]	45		6.534					ND	
42 Indene	115		6.552					ND	
45 3 & 4 Methylphenol	108		6.634					ND	
46 N-Nitrosodi-n-propylamine	70		6.640					ND	
48 Acetophenone	105	6.652	6.652	0.000	96	5483		10.7	
43 N-Nitrosopyrrolidine	100		6.675					ND	
44 N-Nitrosomorpholine	56		6.699					ND	
47 2-Toluidine	106		6.734					ND	
49 Hexachloroethane	117		6.769					ND	
51 Nitrobenzene	77		6.799					ND	
52 N-Nitrosopiperidine	114		6.969					ND	
53 Isophorone	82		6.993					ND	
178 2-Chloroaniline	127		7.052					ND	
55 2-Nitrophenol	139		7.069					ND	
56 o,o',o''-Triethylphosphorothioat	198		7.075					ND	
54 2,4-Dimethylphenol	107		7.081					ND	
57 Benzoic acid	122		7.134					ND	
58 Bis(2-chloroethoxy)methane	93		7.152					ND	
59 alpha,alpha-Dimethyl phenethylam	58		7.187					ND	
50 1,3,5-Trichlorobenzene	180		7.197					ND	U
61 2,4-Dichlorophenol	162		7.269					ND	
63 1,2,4-Trichlorobenzene	180		7.346					ND	
303 3 & 4 Chlorophenol	128		7.346					ND	
64 Naphthalene	128		7.422					ND	
65 4-Chloroaniline	127		7.446					ND	
67 Hexachloropropene	213		7.446					ND	
66 2,6-Dichlorophenol	162		7.457					ND	
68 Hexachlorobutadiene	225		7.522					ND	
70 N-Nitrosodi-n-butylamine	84		7.652					ND	U
72 Caprolactam	113		7.728					ND	
62 Benzothiazole	135		7.738					ND	U
69 Quinoline	129		7.740					ND	
71 p-Phenylene diamine	108		7.781					ND	
73 4-Chloro-3-methylphenol	107		7.834					ND	
81 Safrole, Total	162		7.846					ND	
183 4-tert-Butylphenol	135		7.857					ND	
76 2-Methylnaphthalene	142		7.999					ND	
79 1-Methylnaphthalene	142		8.081					ND	
75 Isosafrole Peak 1	162		8.093					ND	
82 Hexachlorocyclopentadiene	237		8.134					ND	
83 1,2,4,5-Tetrachlorobenzene	216		8.140					ND	
74 1,2,3,5-Tetrachlorobenzene	216		8.140					ND	
85 2,4,6-Trichlorophenol	196		8.222					ND	
86 2,4,5-Trichlorophenol	196		8.263					ND	
87 Isosafrole Peak 2	162		8.263					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
88 1,1'-Biphenyl	154		8.375					ND	U
78 1,2,3,4 -Tetrachlorobenzene	216		8.393					ND	
89 2-Chloronaphthalene	162		8.410					ND	
77 2,4-Toluene diamine	121		8.467					ND	U
84 Phenyl ether	170		8.469					ND	
91 2-Nitroaniline	65		8.475					ND	
92 1,4-Naphthoquinone	158		8.487					ND	
94 Dimethyl phthalate	163		8.604					ND	
93 1,4-Dinitrobenzene	168		8.616					ND	
95 1,3-Dinitrobenzene	168		8.640					ND	
96 2,6-Dinitrotoluene	165		8.663					ND	
97 Acenaphthylene	152		8.763					ND	
98 3-Nitroaniline	138		8.816					ND	
99 2,4-Dinitrophenol	184		8.899					ND	
100 Acenaphthene	153		8.910					ND	
101 4-Nitrophenol	109		8.934					ND	
179 o-Phenylphenol	170		8.993					ND	
102 2,4-Dinitrotoluene	165		9.010					ND	
104 Dibenzofuran	168		9.052					ND	
103 Pentachlorobenzene	250		9.075					ND	
106 1-Naphthylamine	143		9.122					ND	
108 2,3,4,6-Tetrachlorophenol	232		9.152					ND	
109 2-Naphthylamine	143		9.157					ND	
107 2,3,5,6-Tetrachlorophenol	232		9.163					ND	U
111 Diethyl phthalate	149		9.187					ND	
110 Hexadecane	57		9.193					ND	U
112 Thionazin	97		9.269					ND	
114 4-Chlorophenyl phenyl ether	204		9.316					ND	
115 4-Nitroaniline	138		9.334					ND	
116 Fluorene	166		9.340					ND	
117 4,6-Dinitro-2-methylphenol	198		9.357					ND	
105 Tributyl phosphate	99		9.357					ND	U
113 N-Nitro-o-toluidine	152		9.375					ND	
119 Diphenylamine	169		9.410					ND	
118 N-Nitrosodiphenylamine	169		9.410					ND	
121 1,2-Diphenylhydrazine	77		9.451					ND	U
120 Azobenzene	77		9.451					ND	
122 Sulfotepp	202		9.457					ND	
186 Benzophenone	105		9.567					ND	U
126 Phorate	121		9.599					ND	
123 1,3,5-Trinitrobenzene	213		9.616					ND	
125 Diallate Peak 1	86		9.652					ND	
124 Phenacetin	108		9.693					ND	
128 4-Bromophenyl phenyl ether	248		9.728					ND	
127 Diallate Peak 2	86		9.734					ND	
185 3 & 4 Phenoxyphenol	186		9.804					ND	
131 Hexachlorobenzene	284		9.822					ND	
130 Atrazine	200		9.834					ND	
129 Dimethoate	87		9.846					ND	
134 Pronamide	173		9.922					ND	
133 n-Octadecane	57		9.957					ND	U
132 4-Aminobiphenyl	169		9.958					ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
135 Pentachlorophenol	266		9.975				ND		
136 Pentachloronitrobenzene	237		10.040				ND		
138 Dinoseb	211		10.046				ND		
137 Disulfoton	88		10.093				ND		
139 Phenanthrene	178		10.157				ND		
140 Anthracene	178		10.199				ND		
142 Carbazole	167		10.316				ND		
143 Methyl parathion	109		10.457				ND		
144 Di-n-butyl phthalate	149	10.557	10.551	0.006	99	10164		8.53	
145 Ethyl Parathion	97		10.675				ND		
181 Chlorpyrifos	97		10.687				ND		
146 4-Nitroquinoline-1-oxide	190		10.799				ND		
147 Methapyrilene	58		10.840				ND		
148 Isodrin	66		11.104				ND		
149 Fluoranthene	202		11.181				ND		
150 Benzidine	184		11.263				ND		
151 Pyrene	202		11.404				ND		
152 Aramite Peak 1	185		11.451				ND		U
153 Aramite Peak 2	185		11.528				ND		U
154 p-Dimethylamino azobenzene	225		11.710				ND		
155 Chlorobenzilate	139		11.740				ND		
157 Butyl benzyl phthalate	149		11.987				ND		
156 Famphur	218		12.010				ND		
158 3,3'-Dimethylbenzidine	212		12.081				ND		
160 2-Acetylaminofluorene	181		12.393				ND		
162 Bis(2-ethylhexyl) phthalate	149		12.681				ND		U
163 3,3'-Dichlorobenzidine	252		12.692				ND		
161 4,4'-Methylene bis(2-chloroanil	231		12.693				ND		
164 Benzo[a]anthracene	228		12.769				ND		
159 3,3'-Dimethoxybenzidine	244		12.802				ND		U
165 Chrysene	228		12.816				ND		
298 Hexabromobenzene	232		13.002				ND		U
166 6-Methylchrysene	242		13.540				ND		
167 Di-n-octyl phthalate	149		13.604				ND		U
169 Benzo[b]fluoranthene	252		14.334				ND		
170 Benzo[k]fluoranthene	252		14.375				ND		
168 7,12-Dimethylbenz(a)anthracene	256		14.410				ND		
171 Benzo[a]pyrene	252		14.851				ND		
172 3-Methylcholanthrene	268		15.416				ND		
174 Dibenz[a,h]acridine	279		16.287				ND		
173 Dibenz[a,j]acridine	279		16.375				ND		
175 Indeno[1,2,3-cd]pyrene	276		16.686				ND		
176 Dibenz(a,h)anthracene	278		16.698				ND		
177 Benzo[g,h,i]perylene	276		17.186				ND		
187 Diisobutyl phthalate TIC	1		0.000				ND		U
191 Perylene TIC	1		0.000				ND		U
308 1,2,4,5-Tetrachlorobenzene TIC	1		0.000				ND		U
180 3,3'-Dimethoxybenzidine TIC	1		0.000				ND		U
182 Kepone	272		0.000				ND		U
306 Diundecyl Phthalate TIC	1		0.000				ND		U
193 2-Chloroaniline TIC	1		0.000				ND		U
192 Chlorobenzene TIC	1		0.000				ND		U

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
307 Trimethyl phosphate TIC	1		0.000					ND	U
S 199 Isosafrole	162		5.181					ND	7
S 200 Diallate	86		6.385					ND	7
S 201 Aramite, Total	185		7.898					ND	7
S 202 Methyl Phenols,Total	100		0.000					ND	7
S 309 Total Cresols	1		0.000					ND	
S 310 Creosote	1		0.000					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

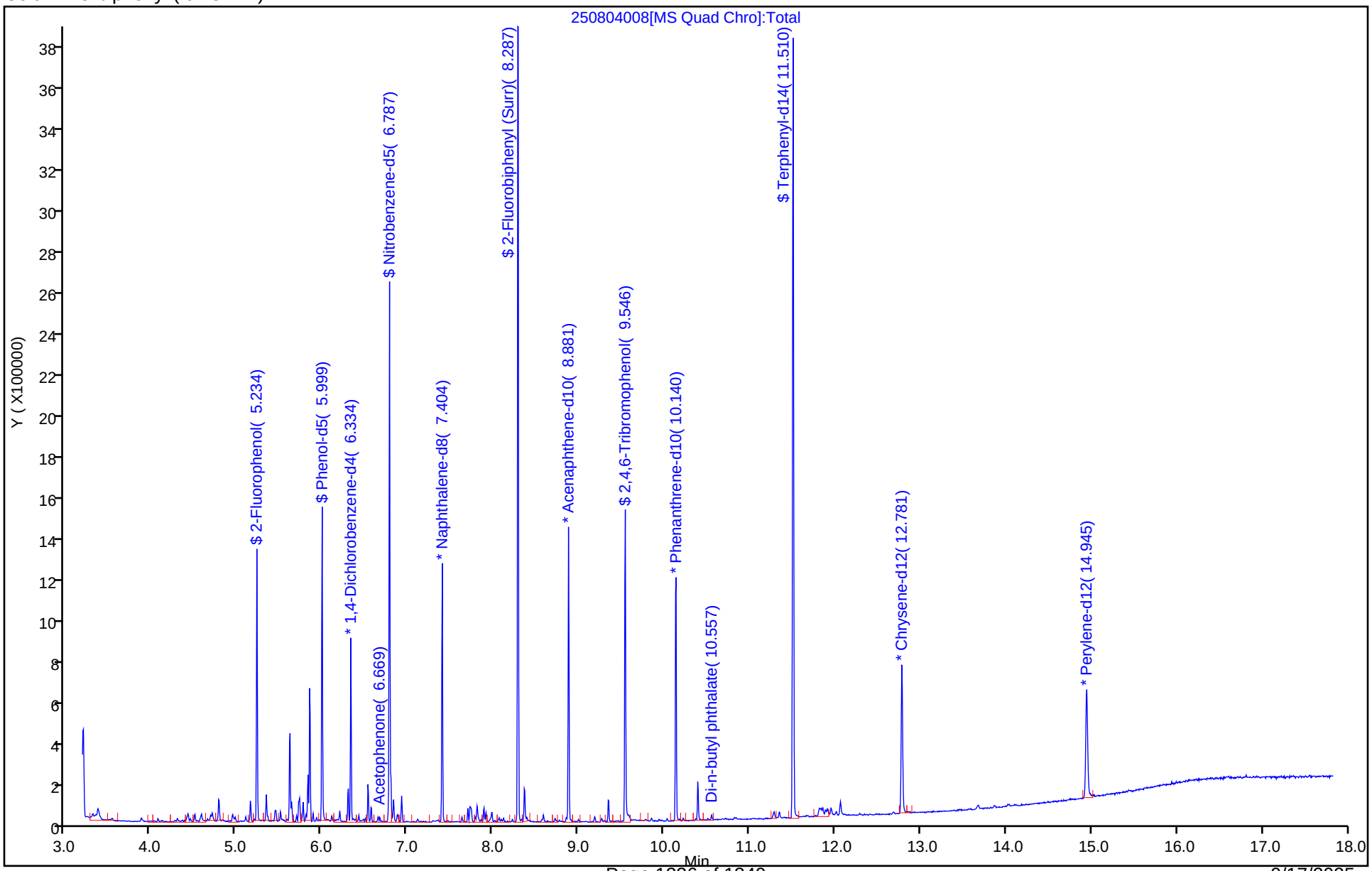
Report Date: 04-Aug-2025 12:25:06 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804008.D

Injection Date:	04-Aug-2025 10:06:50	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	MB 240-666059/1-A			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804008.D
Lims ID: MB 240-666059/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-Aug-2025 10:06:50 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: MB 240-666059/1-A
Misc. Info.: 240-0157591-008
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 10:50:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1155.6	72.22
$ 8 Phenol-d5	1600.0	978.6	61.16
$ 9 Nitrobenzene-d5	1600.0	1269.2	79.33
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1346.8	84.17
$ 11 2,4,6-Tribromophenol	1600.0	1287.0	80.44
$ 12 Terphenyl-d14	1600.0	1584.1	99.00

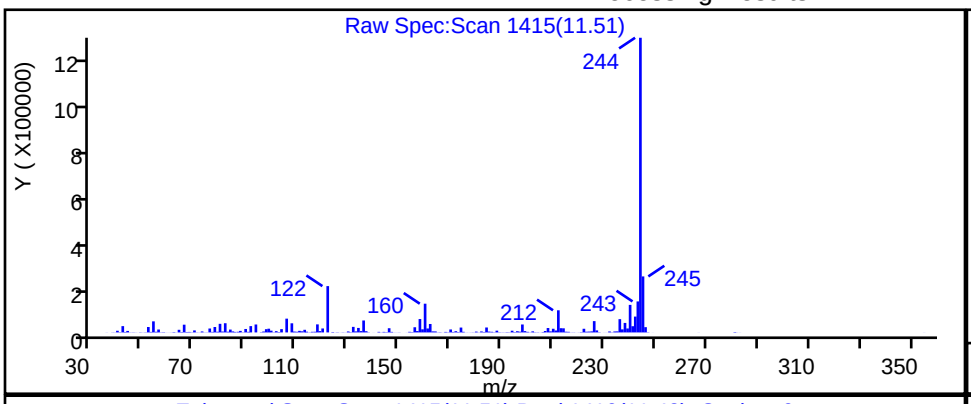
User Disabled Compound Report

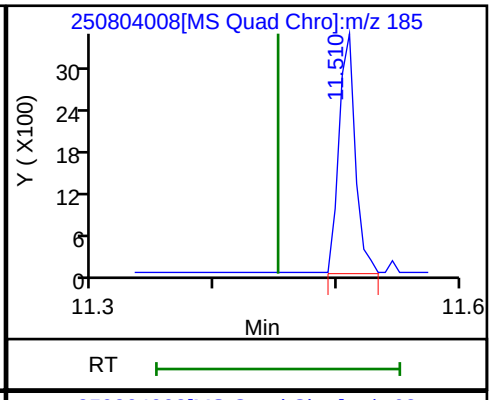
Eurofins Cleveland

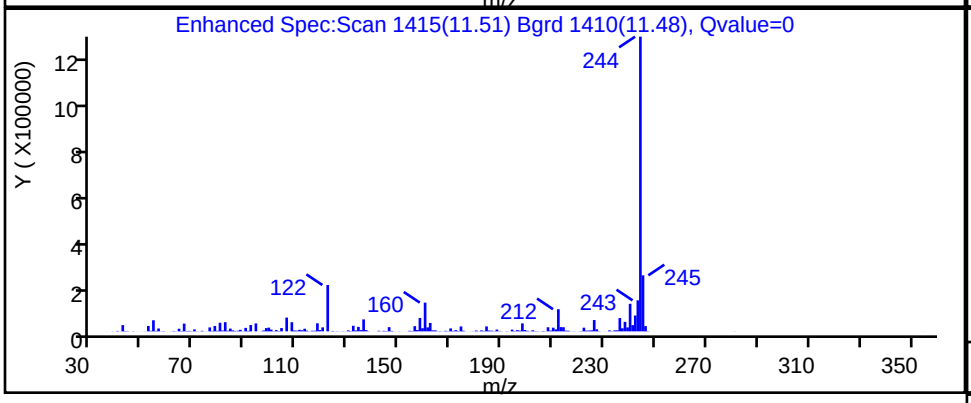
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804008.D				
Injection Date:	04-Aug-2025 10:06:50	Instrument ID:	A4AG3		
Lims ID:	MB 240-666059/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

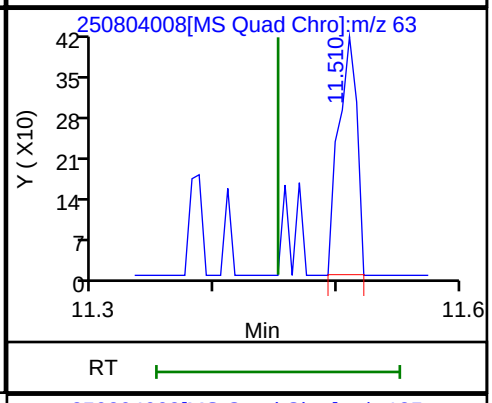
152 Aramite Peak 1, CAS: STL00690

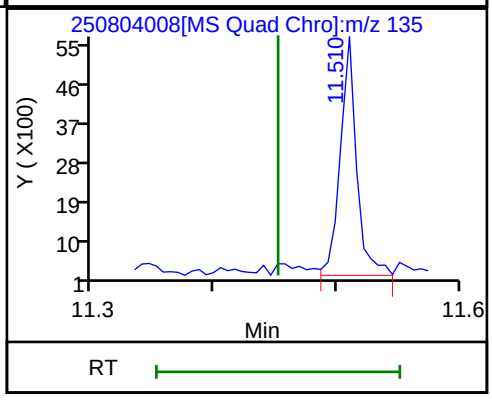
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3218	60.870978
11.51	63.00	442	
11.51	135.00	5051	

Reviewer: KDZ4, 04-Aug-2025 10:50:00 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

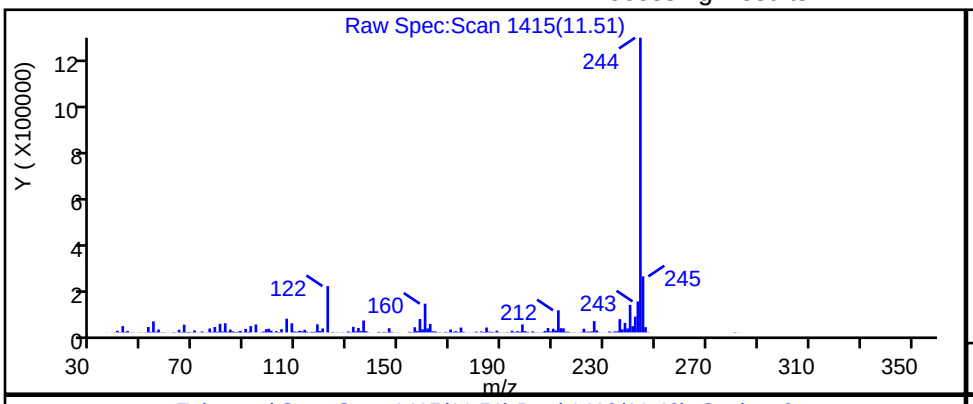
User Disabled Compound Report

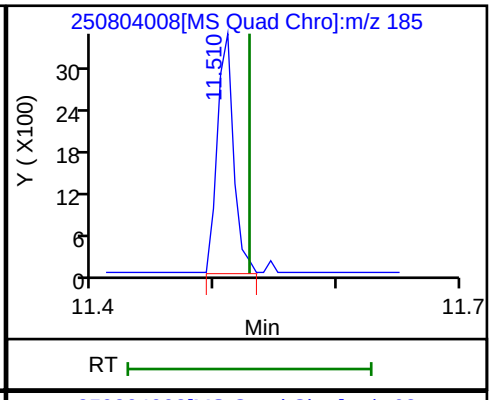
Eurofins Cleveland

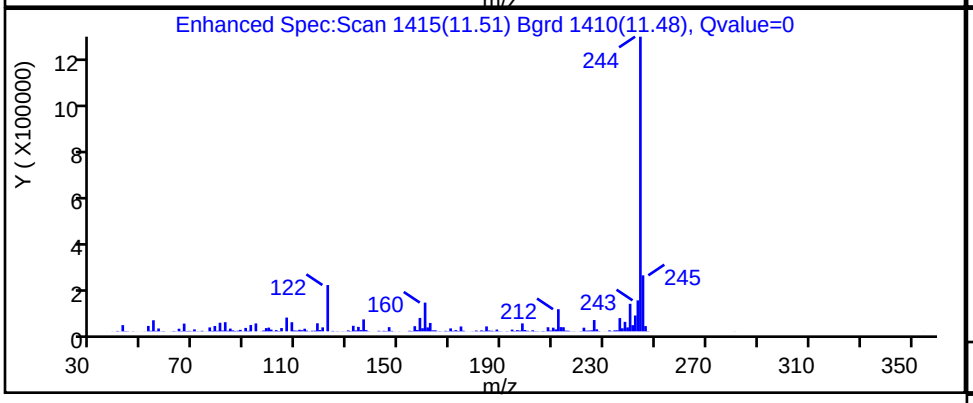
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804008.D				
Injection Date:	04-Aug-2025 10:06:50	Instrument ID:	A4AG3		
Lims ID:	MB 240-666059/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

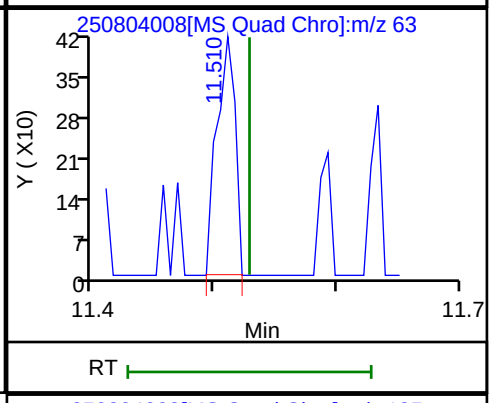
153 Aramite Peak 2, CAS: STL00691

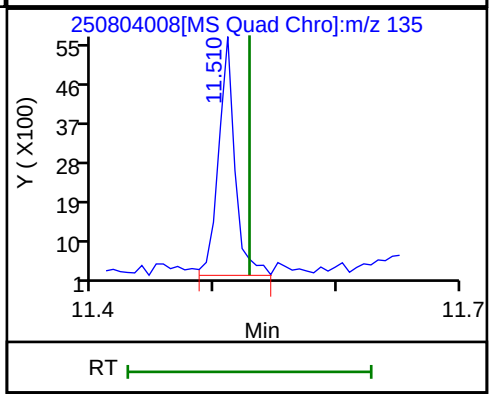
Processing Results











RT	Mass	Response	Amount
11.51	185.00	3218	41.517399
11.51	63.00	442	
11.51	135.00	5051	

Reviewer: KDZ4, 04-Aug-2025 10:50:01 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

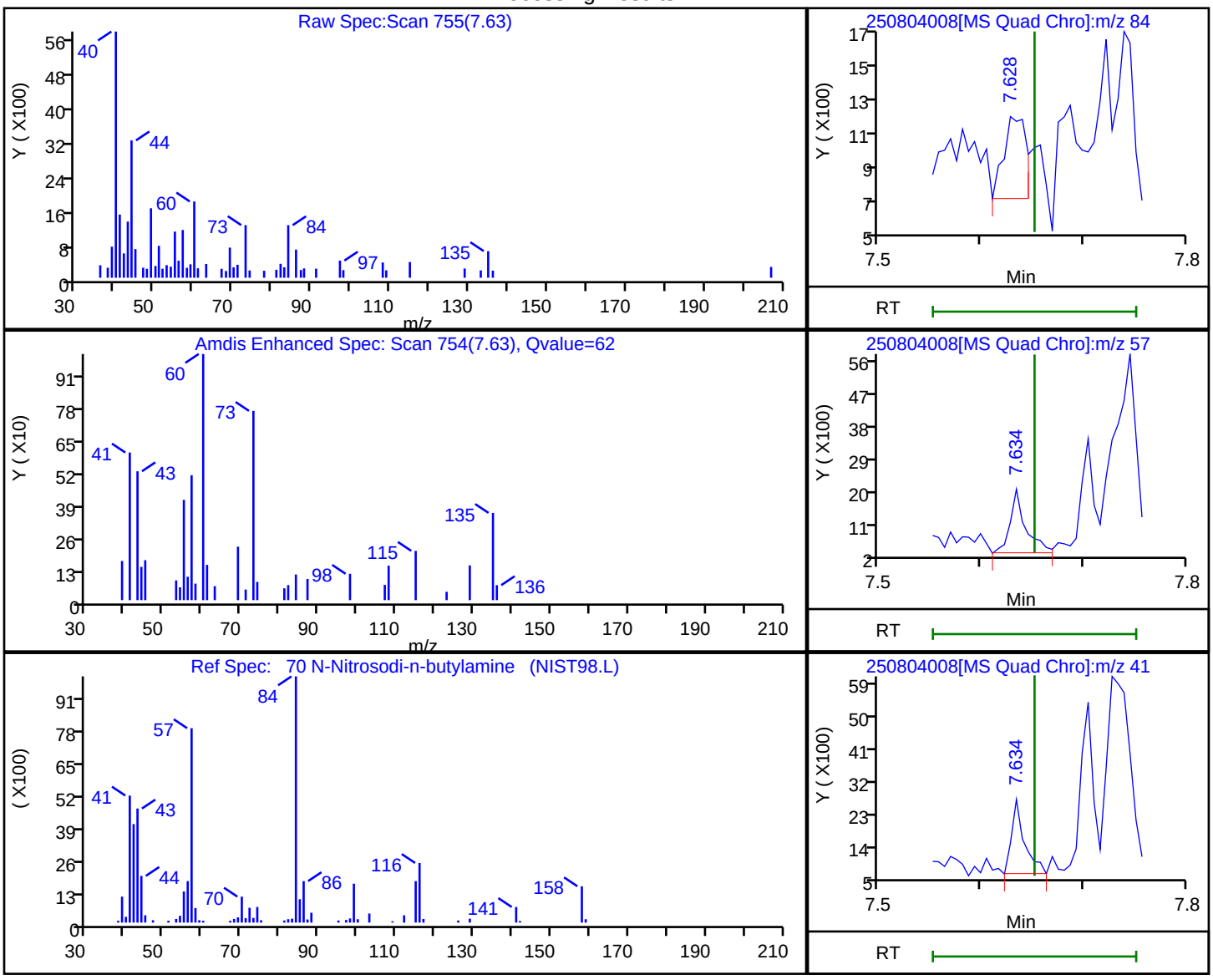
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804008.D				
Injection Date:	04-Aug-2025 10:06:50	Instrument ID:	A4AG3		
Lims ID:	MB 240-666059/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

70 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Processing Results



RT	Mass	Response	Amount
7.63	84.00	705	2.996601
7.63	57.00	1920	
7.63	41.00	1807	

Reviewer: KDZ4, 04-Aug-2025 10:49:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-666059/2-A

Matrix: Water | Lab File ID: 250804009.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 250(mL) | Date Analyzed: 08/04/2025 10:28

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
105-67-9	2,4-Dimethylphenol	27.4		10	3.0
51-28-5	2,4-Dinitrophenol	48.9		10	6.2
91-94-1	3,3'-Dichlorobenzidine	60.1		10	3.0
99-09-2	3-Nitroaniline	23.7		10	2.0
534-52-1	4,6-Dinitro-2-methylphenol	57.2		10	3.0
106-47-8	4-Chloroaniline	22.3		10	3.3
100-01-6	4-Nitroaniline	30.1		10	1.5
98-86-2	Acetophenone	28.7		10	1.0
62-53-3	Aniline	13.5		10	1.1
100-51-6	Benzyl alcohol	23.2		10	3.0
111-91-1	Bis(2-chloroethoxy)methane	27.2		1.0	0.50
111-44-4	Bis(2-chloroethyl)ether	26.0		1.0	0.50
85-68-7	Butyl benzyl phthalate	29.1		10	0.70
84-74-2	Di-n-butyl phthalate	31.0		10	1.8
77-47-4	Hexachlorocyclopentadiene	22.7		10	3.0
67-72-1	Hexachloroethane	25.4		10	0.40
78-59-1	Isophorone	27.7		10	0.50
621-64-7	N-Nitrosodi-n-propylamine	28.4		10	0.50
86-30-6	N-Nitrosodiphenylamine	28.9		10	0.58
110-86-1	Pyridine	13.6		10	2.0
100-02-7	4-Nitrophenol	38.8		10	3.0
95-95-4	2,4,5-Trichlorophenol	30.0		10	2.0
120-83-2	2,4-Dichlorophenol	31.0		10	1.6
59-50-7	4-Chloro-3-methylphenol	27.7		10	1.0
88-75-5	2-Nitrophenol	30.3		10	1.3
88-06-2	2,4,6-Trichlorophenol	30.0		10	1.8
95-48-7	2-Methylphenol	26.4		10	0.96
87-65-0	2,6-Dichlorophenol	29.3		10	1.4
95-57-8	2-Chlorophenol	30.9		10	1.0
108-95-2	Phenol	19.8		10	0.77
58-90-2	2,3,4,6-Tetrachlorophenol	29.7		10	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-666059/2-A

Matrix: Water | Lab File ID: 250804009.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 250(mL) | Date Analyzed: 08/04/2025 10:28

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
15831-10-4	3 & 4 Methylphenol	25.3		20	2.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	93		43-136
4165-62-2	Phenol-d5 (Surr)	62		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	92		40-120
367-12-4	2-Fluorophenol (Surr)	102		10-127
321-60-8	2-Fluorobiphenyl (Surr)	89		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	94		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804009.D
Lims ID: LCS 240-666059/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2025 10:28:55 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: LCS 240-666059/2-A
Misc. Info.: 240-0157591-009
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 10:54:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	115940	400.0	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	509488	400.0	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	92	268032	400.0	400.0	
* 4 Phenanthrene-d10	188	10.140	10.134	0.006	98	403875	400.0	400.0	
* 5 Chrysene-d12	240	12.787	12.781	0.006	98	321423	400.0	400.0	
* 6 Perylene-d12	264	14.945	14.939	0.006	97	294738	400.0	400.0	
$ 7 2-Fluorophenol	112	5.240	5.234	0.006	94	456941	1600.0	1631.0	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	450179	1600.0	993.2	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	92	777023	1600.0	1471.5	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	99	1251625	1600.0	1430.0	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	89	136931	1600.0	1499.2	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	97	1207539	1600.0	1490.0	
13 1,4-Dioxane	88	3.640	3.617	0.024	97	91096	1600.0	767.6	
14 N-Nitrosodimethylamine	74	3.946	3.928	0.018	88	239520	1600.0	900.7	
15 Pyridine	79	4.017	3.999	0.018	86	198895	3200.0	680.5	
26 Benzaldehyde	77	5.963	5.963	0.000	91	324357	1600.0	1699.6	
27 Phenol	94	6.011	6.010	0.001	99	466175	1600.0	989.3	
29 Aniline	93	6.052	6.052	0.000	97	479411	1600.0	672.8	
30 Bis(2-chloroethyl)ether	93	6.087	6.081	0.006	96	612867	1600.0	1300.1	a
32 2-Chlorophenol	128	6.163	6.163	0.000	97	622771	1600.0	1545.7	
33 n-Decane	57	6.181	6.175	0.006	93	654578	1600.0	1260.0	
34 1,3-Dichlorobenzene	146	6.293	6.293	0.000	97	572384	1600.0	1265.4	
36 1,4-Dichlorobenzene	146	6.352	6.346	0.006	93	595488	1600.0	1283.2	
37 Benzyl alcohol	108	6.428	6.428	0.000	91	361427	1600.0	1158.0	
39 1,2-Dichlorobenzene	146	6.481	6.481	0.000	97	565984	1600.0	1253.5	
40 2-Methylphenol	108	6.516	6.510	0.006	94	562549	1600.0	1320.4	
41 2,2'-oxybis[1-chloropropane]	45	6.534	6.534	0.000	94	1099513	1600.0	1478.2	
42 Indene	115	6.558	6.552	0.006	91	1826270	3200.0	2413.7	
45 3 & 4 Methylphenol	108	6.634	6.634	0.000	98	562575	1600.0	1264.0	
46 N-Nitrosodi-n-propylamine	70	6.640	6.640	0.000	93	442639	1600.0	1420.1	
48 Acetophenone	105	6.652	6.652	0.000	97	900953	1600.0	1433.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
49 Hexachloroethane	117	6.769	6.769	0.000	94	250052	1600.0	1268.2	
51 Nitrobenzene	77	6.805	6.799	0.006	91	687529	1600.0	1417.3	
53 Isophorone	82	6.999	6.993	0.006	99	1290706	1600.0	1385.5	
55 2-Nitrophenol	139	7.075	7.069	0.006	97	336819	1600.0	1516.8	
54 2,4-Dimethylphenol	107	7.081	7.081	0.000	96	602821	1600.0	1371.6	
57 Benzoic acid	122	7.116	7.134	-0.018	95	55120	3200.0	337.9	
58 Bis(2-chloroethoxy)methane	93	7.152	7.152	0.000	98	785154	1600.0	1358.3	
61 2,4-Dichlorophenol	162	7.275	7.269	0.006	97	490425	1600.0	1549.5	
63 1,2,4-Trichlorobenzene	180	7.352	7.346	0.006	94	487325	1600.0	1360.5	
64 Naphthalene	128	7.422	7.422	0.000	97	1823075	1600.0	1329.9	
65 4-Chloroaniline	127	7.446	7.446	0.000	96	577811	1600.0	1113.3	
66 2,6-Dichlorophenol	162	7.463	7.457	0.006	96	491496	1600.0	1463.2	
68 Hexachlorobutadiene	225	7.522	7.522	0.000	97	251929	1600.0	1333.1	
72 Caprolactam	113	7.722	7.722	-0.006	77	71853	1600.0	485.7	
73 4-Chloro-3-methylphenol	107	7.834	7.834	0.000	98	538986	1600.0	1383.0	
76 2-Methylnaphthalene	142	7.999	7.999	0.000	92	1058364	1600.0	1318.4	
79 1-Methylnaphthalene	142	8.087	8.081	0.006	93	1120080	1600.0	1325.2	
82 Hexachlorocyclopentadiene	237	8.134	8.134	0.000	96	221404	1600.0	1133.1	
83 1,2,4,5-Tetrachlorobenzene	216	8.146	8.140	0.006	98	448165	1600.0	1520.0	
85 2,4,6-Trichlorophenol	196	8.228	8.222	0.006	93	327281	1600.0	1501.8	
86 2,4,5-Trichlorophenol	196	8.263	8.263	0.000	92	351103	1600.0	1499.1	
88 1,1'-Biphenyl	154	8.381	8.375	0.006	95	1397813	1600.0	1402.8	
89 2-Chloronaphthalene	162	8.410	8.410	0.000	98	1073164	1600.0	1411.8	
91 2-Nitroaniline	65	8.475	8.475	0.000	82	389781	1600.0	1594.6	
94 Dimethyl phthalate	163	8.605	8.604	0.001	98	1225465	1600.0	1475.9	
95 1,3-Dinitrobenzene	168	8.646	8.640	0.006	83	206882	1600.0	1408.8	
96 2,6-Dinitrotoluene	165	8.663	8.663	0.000	91	286584	1600.0	1561.7	
97 Acenaphthylene	152	8.763	8.763	0.000	98	1707170	1600.0	1406.2	
98 3-Nitroaniline	138	8.816	8.816	0.000	93	247382	1600.0	1184.7	
99 2,4-Dinitrophenol	184	8.905	8.899	0.005	81	277583	3200.0	2447.1	
100 Acenaphthene	153	8.910	8.910	0.000	93	1042314	1600.0	1343.6	
101 4-Nitrophenol	109	8.940	8.934	0.006	96	260841	3200.0	1938.7	
102 2,4-Dinitrotoluene	165	9.010	9.010	0.000	91	390126	1600.0	1451.2	
104 Dibenzofuran	168	9.052	9.052	0.000	95	1509060	1600.0	1418.7	
108 2,3,4,6-Tetrachlorophenol	232	9.152	9.152	0.000	79	244450	1600.0	1485.3	
111 Diethyl phthalate	149	9.193	9.187	0.006	97	1201592	1600.0	1421.5	
110 Hexadecane	57	9.193	9.193	0.000	77	904484	NC	NC	
114 4-Chlorophenyl phenyl ether	204	9.316	9.316	0.000	98	522939	1600.0	1418.7	
115 4-Nitroaniline	138	9.334	9.334	0.000	83	303018	1600.0	1505.4	
116 Fluorene	166	9.340	9.340	0.000	95	1235159	1600.0	1440.0	
117 4,6-Dinitro-2-methylphenol	198	9.363	9.357	0.006	77	412446	3200.0	2860.1	
119 Diphenylamine	169	9.410	9.410	0.000	95	872994	1368.0	1227.4	
118 N-Nitrosodiphenylamine	169	9.410	9.410	0.000	100	872994	1600.0	1444.0	
121 1,2-Diphenylhydrazine	77	9.452	9.451	0.001	100	1396965	1600.0	1429.8	
120 Azobenzene	77	9.452	9.451	0.001	100	1396757	1600.0	1429.6	
128 4-Bromophenyl phenyl ether	248	9.734	9.728	0.006	74	266571	1600.0	1432.3	
131 Hexachlorobenzene	284	9.822	9.822	0.000	90	277183	1600.0	1424.0	
130 Atrazine	200	9.834	9.834	0.000	87	311266	1600.0	1687.9	
133 n-Octadecane	57	9.963	9.957	0.006	93	959561	1600.0	1605.8	
135 Pentachlorophenol	266	9.975	9.975	0.000	87	347338	3200.0	2718.5	
139 Phenanthrene	178	10.157	10.157	0.000	98	1647890	1600.0	1410.6	
140 Anthracene	178	10.199	10.199	0.001	98	1702258	1600.0	1497.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
142 Carbazole	167	10.322	10.316	0.006	96	1613913	1600.0	1442.7	
144 Di-n-butyl phthalate	149	10.557	10.551	0.006	100	1993739	1600.0	1551.2	
149 Fluoranthene	202	11.187	11.181	0.006	98	1623347	1600.0	1492.7	
150 Benzidine	184	11.269	11.263	0.006	98	19819	3200.0	148.4	M
151 Pyrene	202	11.410	11.404	0.006	97	1744481	1600.0	1414.6	
157 Butyl benzyl phthalate	149	11.993	11.987	0.006	98	911742	1600.0	1454.7	
162 Bis(2-ethylhexyl) phthalate	149	12.687	12.681	0.006	98	1223091	1600.0	1555.7	
163 3,3'-Dichlorobenzidine	252	12.698	12.692	0.006	77	1065539	3200.0	3004.3	
164 Benzo[a]anthracene	228	12.769	12.769	0.000	99	1544687	1600.0	1481.2	
165 Chrysene	228	12.822	12.816	0.006	98	1484596	1600.0	1438.2	
167 Di-n-octyl phthalate	149	13.604	13.604	0.000	99	1968239	1600.0	1483.5	
169 Benzo[b]fluoranthene	252	14.345	14.334	0.011	98	1367219	1600.0	1499.0	
170 Benzo[k]fluoranthene	252	14.387	14.375	0.012	99	1521052	1600.0	1547.5	
171 Benzo[a]pyrene	252	14.863	14.851	0.012	79	1304675	1600.0	1476.8	
175 Indeno[1,2,3-cd]pyrene	276	16.698	16.686	0.012	95	1558792	1600.0	1516.9	
176 Dibenz(a,h)anthracene	278	16.710	16.698	0.012	91	1295000	1600.0	1559.3	
177 Benzo[g,h,i]perylene	276	17.198	17.186	0.012	97	1247727	1600.0	1439.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 04-Aug-2025 12:25:12 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804009.D

Injection Date: 04-Aug-2025 10:28:55 Instrument ID: A4AG3 Operator ID:

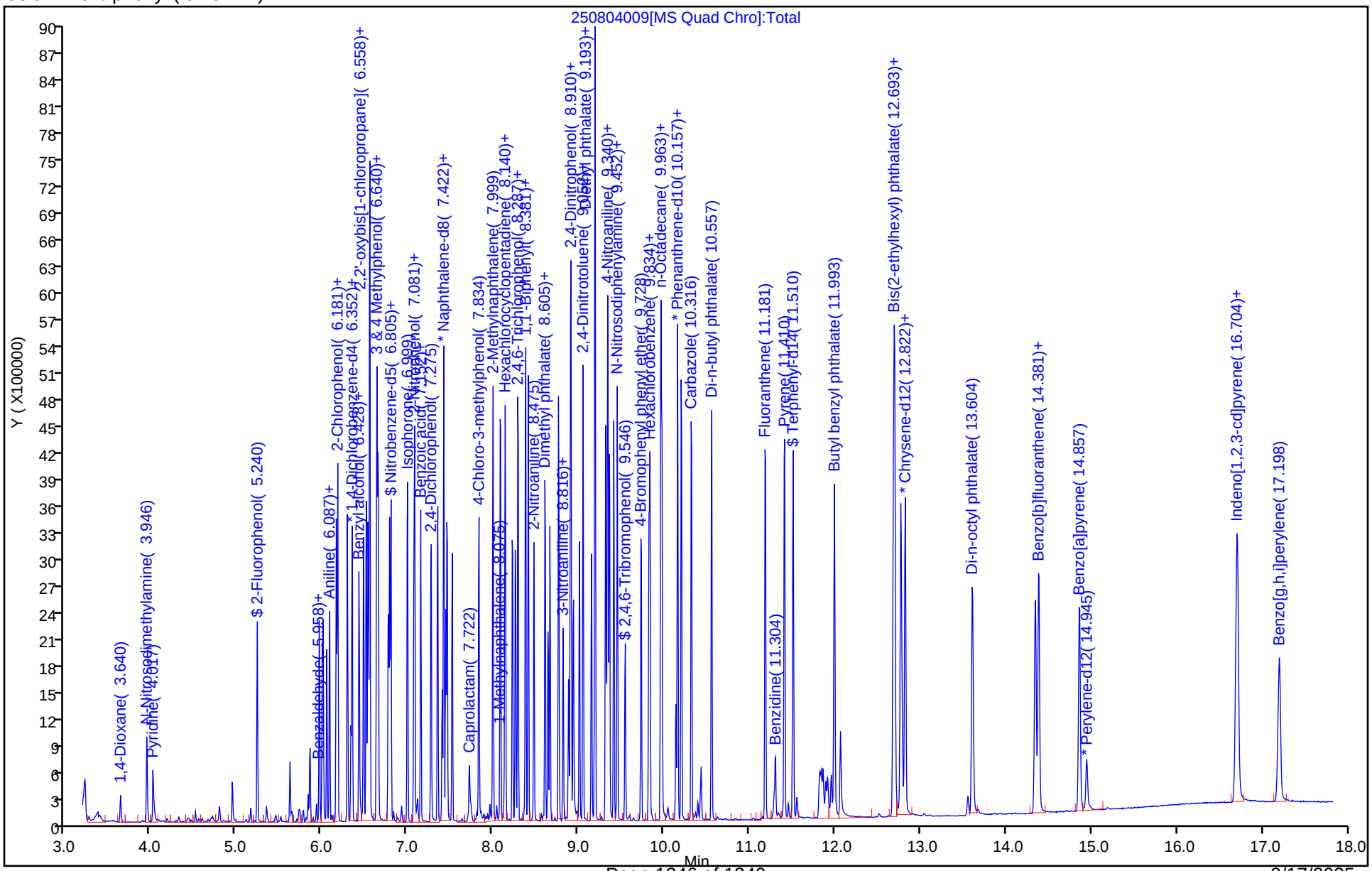
Lims ID: LCS 240-666059/2-A Worklist Smp#: 9

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804009.D
Lims ID: LCS 240-666059/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2025 10:28:55 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: LCS 240-666059/2-A
Misc. Info.: 240-0157591-009
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 10:54:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1631.0	101.94
$ 8 Phenol-d5	1600.0	993.2	62.07
$ 9 Nitrobenzene-d5	1600.0	1471.5	91.97
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1430.0	89.38
$ 11 2,4,6-Tribromophenol	1600.0	1499.2	93.70
$ 12 Terphenyl-d14	1600.0	1490.0	93.12

Manual Integration/User Assign Peak Report

Eurofins Cleveland

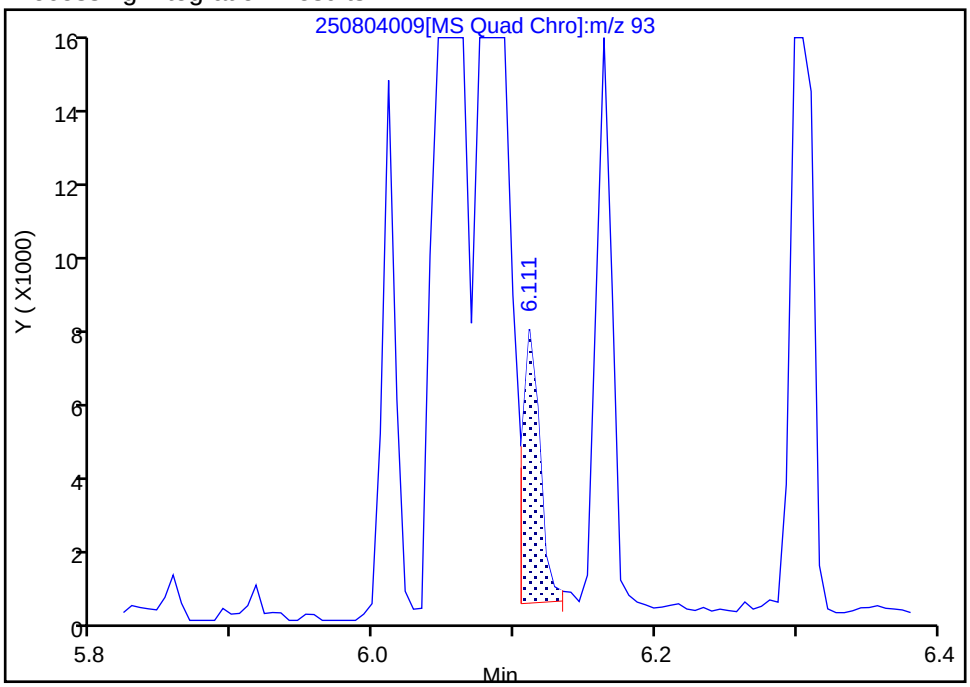
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804009.D				
Injection Date:	04-Aug-2025 10:28:55	Instrument ID:	A4AG3		
Lims ID:	LCS 240-666059/2-A				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

30 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

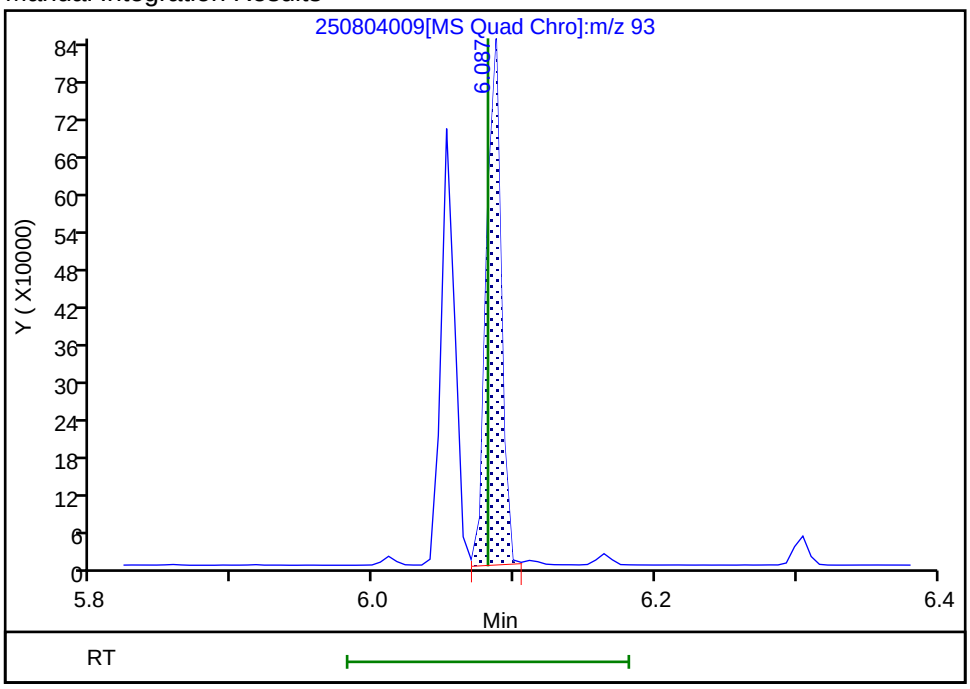
Processing Integration Results

RT: 6.11
Area: 6538
Amount: 13.869629
Amount Units: ng/ml



Manual Integration Results

RT: 6.09
Area: 612867
Amount: 1300.1282
Amount Units: ng/ml



Reviewer: KDZ4, 04-Aug-2025 10:53:26 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-666059/3-A

Matrix: Water | Lab File ID: 250804010.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 250(mL) | Date Analyzed: 08/04/2025 10:50

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	30.8		10	3.0
130-15-4	1,4-Naphthoquinone	29.7		10	3.0
134-32-7	1-Naphthylamine	10.7		10	3.0
53-96-3	2-Acetylaminofluorene	30.9		10	3.0
91-59-8	2-Naphthylamine	15.1		10	7.0
109-06-8	2-Picoline	8.39	J	10	1.0
119-93-7	3,3'-Dimethylbenzidine	11.0		10	3.3
56-49-5	3-Methylcholanthrene	44.3		10	1.0
92-67-1	4-Aminobiphenyl	17.9		10	3.0
56-57-5	4-Nitroquinoline-1-oxide	17.2	J	50	5.0
57-97-6	7,12-Dimethylbenz(a)anthracene	29.1		10	1.8
140-57-8	Aramite, Total	30.1		10	3.7
510-15-6	Chlorobenzilate	31.4		10	3.0
298-04-4	Disulfoton	27.5		10	3.0
56-38-2	Ethyl Parathion	28.6		10	3.0
52-85-7	Famphur	64.9		10	5.0
120-58-1	Isosafrole	28.8		5.0	1.6
91-80-5	Methapyrilene	3.37	J	10	3.0
66-27-3	Methyl methanesulfonate	18.0		10	1.0
298-00-0	Methyl parathion	30.1		10	3.2
924-16-3	N-Nitrosodi-n-butylamine	28.9		10	3.0
10595-95-6	N-Nitrosomethylethylamine	25.5		10	1.0
930-55-2	N-Nitrosopyrrolidine	24.9		10	0.50
60-11-7	p-Dimethylamino azobenzene	26.1		10	3.0
106-50-3	p-Phenylene diamine	150	U	150	26
23950-58-5	Pronamide	31.6		5.0	1.5
95-53-4	2-Toluidine	23.8		10	4.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 240-666059/3-A

Matrix: Water | Lab File ID: 250804010.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 250(mL) | Date Analyzed: 08/04/2025 10:50

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	92		43-136
4165-62-2	Phenol-d5 (Surr)	27		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	79		40-120
367-12-4	2-Fluorophenol (Surr)	59		10-127
321-60-8	2-Fluorobiphenyl (Surr)	79		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	88		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804010.D
Lims ID: LCS 240-666059/3-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2025 10:50:54 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: LCS 240-666059/3-A
Misc. Info.: 240-0157591-010
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 11:34:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	119650	400.0	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	504626	400.0	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	93	282739	400.0	400.0	
* 4 Phenanthrene-d10	188	10.140	10.134	0.006	97	446088	400.0	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	99	313746	400.0	400.0	
* 6 Perylene-d12	264	14.945	14.939	0.006	96	297145	400.0	400.0	
$ 7 2-Fluorophenol	112	5.234	5.234	0.000	94	272420	1600.0	942.2	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	199635	1600.0	426.8	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	91	658063	1600.0	1258.2	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	100	1159646	1600.0	1256.0	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	89	135250	1600.0	1403.8	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	97	1161499	1600.0	1468.2	
18 2-Picoline	93	4.728	4.805	-0.077	96	161380	1600.0	419.5	
19 N-Nitrosomethylethylamine	88	4.799	4.881	-0.082	94	253698	1600.0	1275.0	
22 Methyl methanesulfonate	80	5.058	5.128	-0.070	89	238551	1600.0	898.6	
23 N-Nitrosodiethylamine	102	5.417	5.481	-0.064	92	276478	1600.0	1396.9	
24 Ethyl methanesulfonate	79	5.652	5.711	-0.059	97	413431	1600.0	1278.5	
28 Pentachloroethane	167	6.105	6.158	-0.053	95	177514	1600.0	1415.6	
43 N-Nitrosopyrrolidine	100	6.622	6.675	-0.053	87	284992	1600.0	1246.9	
44 N-Nitrosomorpholine	56	6.652	6.699	-0.047	93	414782	1600.0	1310.9	
47 2-Toluidine	106	6.687	6.734	-0.047	97	792349	1600.0	1187.6	
52 N-Nitrosopiperidine	114	6.922	6.975	-0.047	82	315742	1600.0	1500.4	
56 o,o',o''-Triethylphosphorothioat	198	7.128	7.081	0.053	91	242944	1600.0	1425.4	
59 alpha,alpha-Dimethyl phenethylam	58		7.187				ND	ND	
67 Hexachloropropene	213	7.499	7.452	0.053	93	230886	1600.0	1179.6	
70 N-Nitrosodi-n-butylamine	84	7.705	7.658	0.053	93	412585	1600.0	1443.3	
69 Quinoline	129	7.693	7.683	-0.047	97	1153605	1600.0	1401.3	
71 p-Phenylene diamine	108		7.781				ND	ND	
81 Safrole, Total	162	7.899	7.852	0.053	90	437988	1600.0	1400.6	
75 Isosafrole Peak 1	162	8.146	8.093	0.053	0	74839	256.0	225.6	
87 Isosafrole Peak 2	162	8.334	8.302	0.071	0	441120	1344.0	1212.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
92 1,4-Naphthoquinone	158	8.540	8.487	0.053	82	344734	1600.0	1485.1	
93 1,4-Dinitrobenzene	168	8.575	8.616	-0.041	94	179193	1600.0	1422.6	
103 Pentachlorobenzene	250	9.028	9.075	-0.047	97	341739	1600.0	1410.9	
106 1-Naphthylamine	143	9.110	9.122	-0.012	99	372822	1600.0	533.4	
109 2-Naphthylamine	143	9.175	9.158	0.018	96	634247	1600.0	757.4	
107 2,3,5,6-Tetrachlorophenol	232	9.116	9.163	-0.047	90	216657	NC	NC	
112 Thionazin	97	9.263	9.269	-0.006	80	292186	1600.0	1407.4	
113 N-Nitro-o-toluidine	152	9.328	9.319	-0.047	95	358549	1600.0	1385.9	
122 Sulfotepp	202	9.510	9.463	0.053	78	126897	1600.0	1507.0	
126 Phorate	121	9.652	9.604	0.053	95	253063	1600.0	1519.4	
123 1,3,5-Trinitrobenzene	213	9.605	9.622	-0.011	83	108863	1600.0	1541.0	
125 Diallate Peak 1	86	9.646	9.643	-0.006	0	408819	1360.0	1025.8	
124 Phenacetin	108	9.646	9.698	-0.047	88	625760	1600.0	1500.5	
127 Diallate Peak 2	86	9.722	9.722	-0.012	0	149734	240.0	367.8	a
129 Dimethoate	87	9.799	9.851	-0.047	95	533070	1600.0	1485.7	
134 Pronamide	173	9.975	9.928	0.053	90	550137	1600.0	1580.6	
132 4-Aminobiphenyl	169	9.952	9.963	-0.006	90	766361	1600.0	894.5	
136 Pentachloronitrobenzene	237	9.987	10.046	-0.053	82	132676	1600.0	1584.2	
138 Dinoseb	211	10.099	10.052	0.053	92	248938	1600.0	1587.6	
137 Disulfoton	88	10.087	10.099	-0.006	98	631982	1600.0	1375.5	
143 Methyl parathion	109	10.410	10.464	-0.047	90	455818	1600.0	1507.1	
145 Ethyl Parathion	97	10.728	10.731	0.053	83	267216	1600.0	1429.7	
146 4-Nitroquinoline-1-oxide	190	10.793	10.805	-0.006	80	48961	1600.0	858.8	
147 Methapyrilene	58	10.834	10.846	-0.006	98	51622	3200.0	168.7	
148 Isodrin	66	11.052	11.111	-0.052	90	175197	1600.0	1260.2	
152 Aramite Peak 1	185	11.446	11.452	-0.005	0	67835	736.0	715.4	
153 Aramite Peak 2	185	11.516	11.528	-0.012	0	155502	784.0	788.5	
154 p-Dimethylamino azobenzene	225	11.646	11.710	-0.064	91	268069	1600.0	1304.3	
155 Chlorobenzilate	139	11.681	11.740	-0.059	81	649584	1600.0	1572.1	
156 Famphur	218	11.946	12.010	-0.064	87	517481	1600.0	3243.9	E
158 3,3'-Dimethylbenzidine	212	12.010	12.081	-0.071	99	278831	1600.0	547.7	
160 2-Acetylaminofluorene	181	12.322	12.393	-0.071	94	682842	1600.0	1546.4	
161 4,4'-Methylene bis(2-chloroanil	231	12.687	12.693	-0.006	93	253535	1600.0	1401.6	
166 6-Methylchrysene	242	13.451	13.540	-0.089	99	1996260	3200.0	3208.6	
168 7,12-Dimethylbenz(a)anthracene	256	14.316	14.416	-0.094	94	619978	1600.0	1455.8	
172 3-Methylcholanthrene	268	15.404	15.422	-0.012	94	1018437	3200.0	2212.5	
174 Dibenz[a,h]acridine	279	16.275	16.293	-0.012	92	1012579	1600.0	1484.3	
S 199 Isosafrole	162				0		1600.0	1438.4	
S 200 Diallate	86				0		1600.0	1393.6	
S 201 Aramite, Total	185				0		1600.0	1503.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

ND - Not Detected or Marked ND

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 04-Aug-2025 12:25:26 Chrom Revision: 2.3 25-Jul-2025 13:52:40

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804010.D

Injection Date: 04-Aug-2025 10:50:54 Instrument ID: A4AG3 Operator ID:

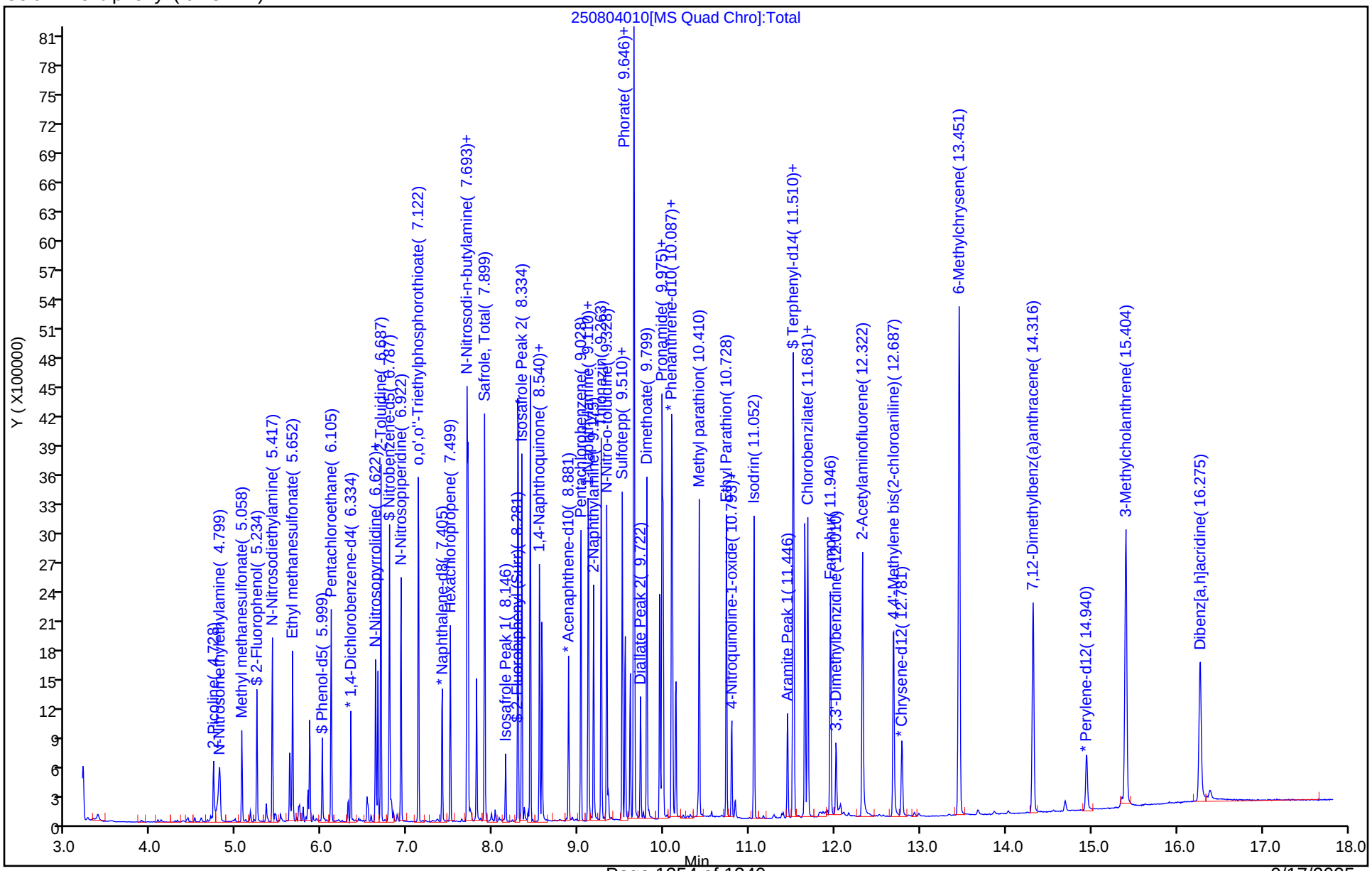
Lims ID: LCS 240-666059/3-A Worklist Smp#: 10

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 10

Method: LVI AG3 8270 Limit Group: MSS 8270D ICAL

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804010.D
Lims ID: LCS 240-666059/3-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2025 10:50:54 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: LCS 240-666059/3-A
Misc. Info.: 240-0157591-010
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 04-Aug-2025 12:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1690

First Level Reviewer: KDZ4 Date: 04-Aug-2025 11:34:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	942.2	58.89
$ 8 Phenol-d5	1600.0	426.8	26.67
$ 9 Nitrobenzene-d5	1600.0	1258.2	78.64
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1256.0	78.50
$ 11 2,4,6-Tribromophenol	1600.0	1403.8	87.74
$ 12 Terphenyl-d14	1600.0	1468.2	91.76

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A MS | Lab Sample ID: 240-229857-4 MS

Matrix: Water | Lab File ID: 250804020.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 272.3(mL) | Date Analyzed: 08/04/2025 14:31

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	9.2	U	9.2	2.8
130-15-4	1,4-Naphthoquinone	9.2	U	9.2	2.8
134-32-7	1-Naphthylamine	9.2	U	9.2	2.8
105-67-9	2,4-Dimethylphenol	18.2		9.2	2.8
51-28-5	2,4-Dinitrophenol	42.3		9.2	5.7
53-96-3	2-Acetylaminofluorene	9.2	U	9.2	2.8
91-59-8	2-Naphthylamine	9.2	U	9.2	6.4
109-06-8	2-Picoline	9.2	U	9.2	0.92
91-94-1	3,3'-Dichlorobenzidine	56.5		9.2	2.8
119-93-7	3,3'-Dimethylbenzidine	9.2	U	9.2	3.0
56-49-5	3-Methylcholanthrene	9.2	U	9.2	0.92
99-09-2	3-Nitroaniline	17.2		9.2	1.8
534-52-1	4,6-Dinitro-2-methylphenol	49.2		9.2	2.8
92-67-1	4-Aminobiphenyl	9.2	U	9.2	2.8
106-47-8	4-Chloroaniline	17.1		9.2	3.0
100-01-6	4-Nitroaniline	25.4		9.2	1.4
56-57-5	4-Nitroquinoline-1-oxide	46	U	46	4.6
57-97-6	7,12-Dimethylbenz(a)anthracene	9.2	U	9.2	1.7
98-86-2	Acetophenone	24.3		9.2	0.92
62-53-3	Aniline	16.0		9.2	1.0
140-57-8	Aramite, Total	9.2	U	9.2	3.4
100-51-6	Benzyl alcohol	21.3		9.2	2.8
111-91-1	Bis(2-chloroethoxy)methane	22.5		0.92	0.46
111-44-4	Bis(2-chloroethyl)ether	22.1		0.92	0.46
85-68-7	Butyl benzyl phthalate	25.6		9.2	0.64
510-15-6	Chlorobenzilate	9.2	U	9.2	2.8
84-74-2	Di-n-butyl phthalate	27.9		9.2	1.7
298-04-4	Disulfoton	9.2	U	9.2	2.8
56-38-2	Ethyl Parathion	9.2	U	9.2	2.8
52-85-7	Famphur	9.2	U	9.2	4.6
77-47-4	Hexachlorocyclopentadiene	20.1		9.2	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A MS | Lab Sample ID: 240-229857-4 MS

Matrix: Water | Lab File ID: 250804020.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 272.3(mL) | Date Analyzed: 08/04/2025 14:31

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	21.0		9.2	0.37
78-59-1	Isophorone	24.0		9.2	0.46
120-58-1	Isosafrole	4.6	U	4.6	1.5
91-80-5	Methapyrilene	9.2	U	9.2	2.8
66-27-3	Methyl methanesulfonate	9.2	U	9.2	0.92
298-00-0	Methyl parathion	9.2	U	9.2	2.9
924-16-3	N-Nitrosodi-n-butylamine	9.2	U	9.2	2.8
621-64-7	N-Nitrosodi-n-propylamine	24.3		9.2	0.46
86-30-6	N-Nitrosodiphenylamine	24.9		9.2	0.53
10595-95-6	N-Nitrosomethylethylamine	9.2	U	9.2	0.92
930-55-2	N-Nitrosopyrrolidine	9.2	U	9.2	0.46
60-11-7	p-Dimethylamino azobenzene	9.2	U	9.2	2.8
106-50-3	p-Phenylene diamine	140	U	140	24
23950-58-5	Pronamide	4.6	U	4.6	1.4
110-86-1	Pyridine	24.0		9.2	1.8
95-53-4	2-Toluidine	9.2	U	9.2	3.7
100-02-7	4-Nitrophenol	43.4		9.2	2.8
95-95-4	2,4,5-Trichlorophenol	25.9		9.2	1.8
120-83-2	2,4-Dichlorophenol	26.3		9.2	1.5
59-50-7	4-Chloro-3-methylphenol	25.1		9.2	0.92
88-75-5	2-Nitrophenol	24.9		9.2	1.2
88-06-2	2,4,6-Trichlorophenol	26.1		9.2	1.7
95-48-7	2-Methylphenol	22.7		9.2	0.88
87-65-0	2,6-Dichlorophenol	24.7		9.2	1.3
95-57-8	2-Chlorophenol	25.8		9.2	0.92
108-95-2	Phenol	20.0		9.2	0.71
58-90-2	2,3,4,6-Tetrachlorophenol	25.7		9.2	1.7
15831-10-4	3 & 4 Methylphenol	22.8		18	2.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A MS | Lab Sample ID: 240-229857-4 MS

Matrix: Water | Lab File ID: 250804020.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 272.3(mL) | Date Analyzed: 08/04/2025 14:31

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	87		43-136
4165-62-2	Phenol-d5 (Surr)	70		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	80		40-120
367-12-4	2-Fluorophenol (Surr)	102		10-127
321-60-8	2-Fluorobiphenyl (Surr)	81		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	88		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D
Lims ID: 240-229857-E-4-B MS
Client ID: 16WC1A
Sample Type: MS
Inject. Date: 04-Aug-2025 14:31:21 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-4-B MS
Misc. Info.: 240-0157591-020
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 13:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: D9AH Date: 05-Aug-2025 11:24:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	96	121819	400.0	400.0	
* 2 Naphthalene-d8	136	7.405	7.399	0.006	100	542117	400.0	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	93	286364	400.0	400.0	
* 4 Phenanthrene-d10	188	10.134	10.134	0.000	97	435214	400.0	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	350921	400.0	400.0	
* 6 Perylene-d12	264	14.940	14.939	0.001	97	316575	400.0	400.0	
$ 7 2-Fluorophenol	112	5.240	5.234	0.006	94	482520	1600.0	1639.2	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	534564	1600.0	1122.4	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	92	721265	1600.0	1283.7	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	100	1211101	1600.0	1295.1	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	93	137880	1600.0	1412.9	
$ 12 Terphenyl-d14	244	11.504	11.504	0.000	97	1229020	1600.0	1388.7	
15 Pyridine	79	4.017	3.999	0.018	86	401999	3200.0	1309.0	
18 2-Picoline	93		4.805					ND	
19 N-Nitrosomethylethylamine	88		4.881					ND	
22 Methyl methanesulfonate	80		5.128					ND	
27 Phenol	94	6.011	6.010	0.001	99	539489	1600.0	1089.7	a
29 Aniline	93	6.052	6.052	0.000	98	655714	1600.0	869.1	
30 Bis(2-chloroethyl)ether	93	6.087	6.087	0.006	96	596481	1600.0	1204.3	a
32 2-Chlorophenol	128	6.164	6.163	0.001	96	594500	1600.0	1404.3	a
37 Benzyl alcohol	108	6.428	6.428	0.000	93	381345	1600.0	1162.7	
40 2-Methylphenol	108	6.517	6.516	0.006	95	553290	1600.0	1237.3	a
45 3 & 4 Methylphenol	108	6.634	6.634	0.000	90	579557	1600.0	1239.8	a
46 N-Nitrosodi-n-propylamine	70	6.640	6.640	0.000	93	432965	1600.0	1322.0	
48 Acetophenone	105	6.652	6.652	0.000	96	873037	1600.0	1321.9	
43 N-Nitrosopyrrolidine	100		6.675					ND	
47 2-Toluidine	106		6.734					ND	U
49 Hexachloroethane	117	6.769	6.769	0.000	94	236487	1600.0	1141.5	
53 Isophorone	82	6.993	6.993	0.000	99	1292949	1600.0	1304.4	
55 2-Nitrophenol	139	7.069	7.069	0.000	97	320499	1600.0	1356.5	a
54 2,4-Dimethylphenol	107	7.081	7.087	0.000	96	464237	1600.0	992.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
58 Bis(2-chloroethoxy)methane	93	7.152	7.157	0.000	98	754431	1600.0	1226.6	
61 2,4-Dichlorophenol	162	7.269	7.275	0.000	97	482976	1600.0	1434.1	a
65 4-Chloroaniline	127	7.446	7.452	0.000	95	512293	1600.0	933.2	
66 2,6-Dichlorophenol	162	7.458	7.457	0.001	96	481659	1600.0	1347.7	a
70 N-Nitrosodi-n-butylamine	84		7.652					ND	U
71 p-Phenylene diamine	108		7.781					ND	
73 4-Chloro-3-methylphenol	107	7.834	7.834	0.000	98	566036	1600.0	1365.0	a
75 Isosafrole Peak 1	162		8.093					ND	U
82 Hexachlorocyclopentadiene	237	8.134	8.134	0.000	96	229024	1600.0	1097.1	
85 2,4,6-Trichlorophenol	196	8.222	8.222	0.000	94	330659	1600.0	1420.2	a
86 2,4,5-Trichlorophenol	196	8.258	8.257	-0.005	92	353438	1600.0	1412.5	a
87 Isosafrole Peak 2	162		8.263					ND	U
92 1,4-Naphthoquinone	158		8.487					ND	
98 3-Nitroaniline	138	8.816	8.816	0.000	93	207405	1600.0	937.1	
99 2,4-Dinitrophenol	184	8.905	8.899	0.006	79	278475	3200.0	2304.2	
101 4-Nitrophenol	109	8.940	8.934	0.006	95	341491	3200.0	2366.0	
106 1-Naphthylamine	143		9.122					ND	
108 2,3,4,6-Tetrachlorophenol	232	9.152	9.151	0.000	80	246280	1600.0	1400.7	a
109 2-Naphthylamine	143		9.157					ND	U
115 4-Nitroaniline	138	9.334	9.334	0.000	82	297296	1600.0	1382.4	
117 4,6-Dinitro-2-methylphenol	198	9.358	9.357	0.001	78	415840	3200.0	2680.7	
113 N-Nitro-o-toluidine	152		9.375					ND	U
118 N-Nitrosodiphenylamine	169	9.410	9.416	0.000	100	883802	1600.0	1356.6	
123 1,3,5-Trinitrobenzene	213		9.616					ND	
134 Pronamide	173		9.922					ND	U
132 4-Aminobiphenyl	169		9.958					ND	U
137 Disulfoton	88		10.093					ND	U
143 Methyl parathion	109		10.457					ND	U
144 Di-n-butyl phthalate	149	10.552	10.557	0.001	100	2105827	1600.0	1520.4	
145 Ethyl Parathion	97		10.675					ND	U
146 4-Nitroquinoline-1-oxide	190		10.799					ND	
147 Methapyrilene	58		10.840					ND	
152 Aramite Peak 1	185		11.451					ND	U
153 Aramite Peak 2	185		11.528					ND	U
154 p-Dimethylamino azobenzene	225		11.710					ND	
155 Chlorobenzilate	139		11.740					ND	
157 Butyl benzyl phthalate	149	11.993	11.987	0.006	98	952104	1600.0	1392.6	
156 Famphur	218		12.010					ND	
158 3,3'-Dimethylbenzidine	212		12.081					ND	
160 2-Acetylaminofluorene	181		12.393					ND	
163 3,3'-Dichlorobenzidine	252	12.693	12.687	0.001	76	1192402	3200.0	3078.3	
168 7,12-Dimethylbenz(a)anthracene	256		14.410					ND	
172 3-Methylcholanthrene	268		15.416					ND	
S 199 Isosafrole	162		5.181					ND	7
S 201 Aramite, Total	185		7.898					ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

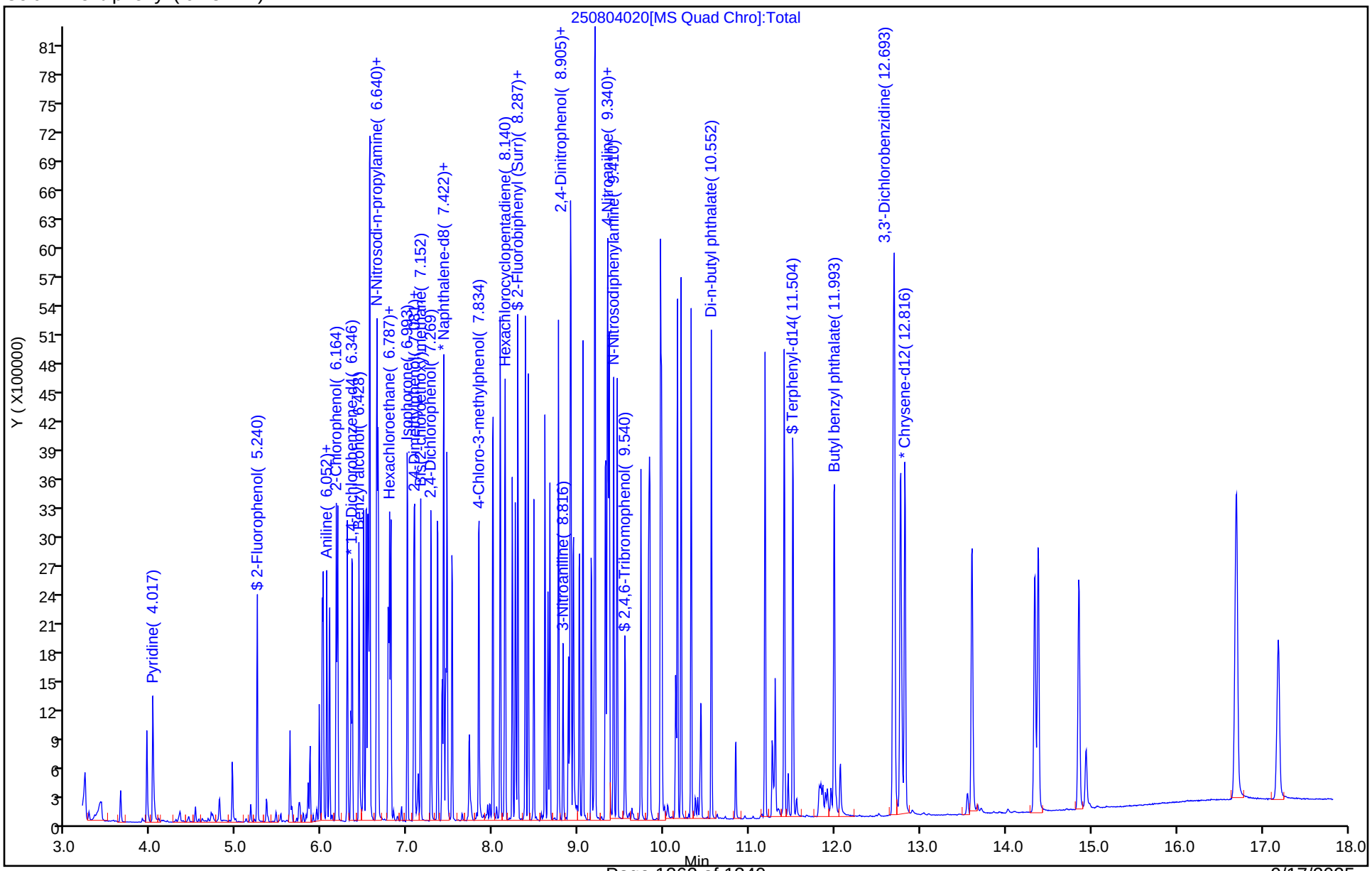
Report Date: 08-Sep-2025 17:13:48 Chrom Revision: 2.3 13-Aug-2025 14:00:00

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D

Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	240-229857-E-4-B MS			Worklist Smp#:	20
Client ID:	16WC1A				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D
Lims ID: 240-229857-E-4-B MS
Client ID: 16WC1A
Sample Type: MS
Inject. Date: 04-Aug-2025 14:31:21 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-4-B MS
Misc. Info.: 240-0157591-020
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 13:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: D9AH Date: 05-Aug-2025 11:24:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1639.2	102.45
$ 8 Phenol-d5	1600.0	1122.4	70.15
$ 9 Nitrobenzene-d5	1600.0	1283.7	80.23
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1295.1	80.95
$ 11 2,4,6-Tribromophenol	1600.0	1412.9	88.31
$ 12 Terphenyl-d14	1600.0	1388.7	86.79

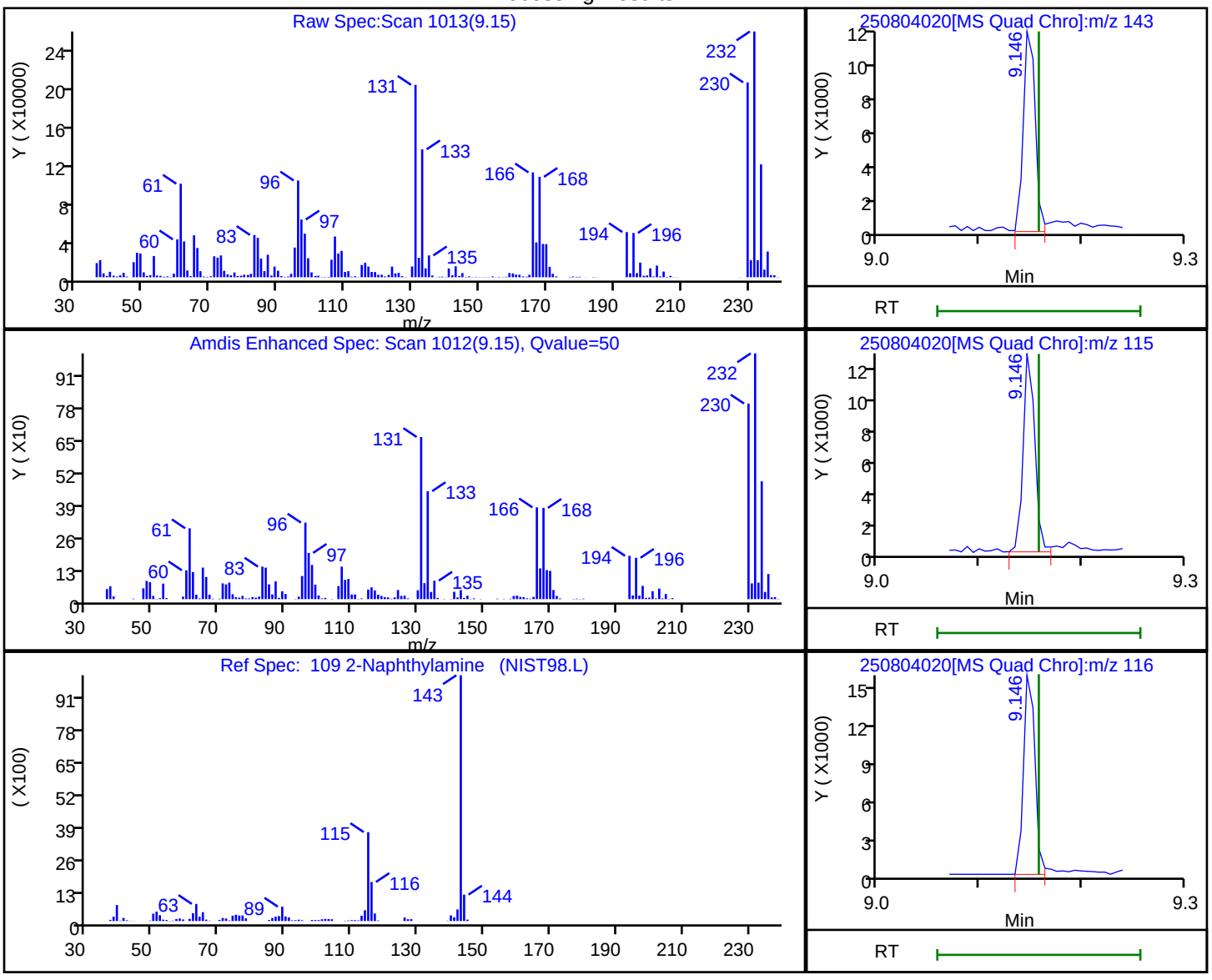
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

109 2-Naphthylamine, CAS: 91-59-8

Processing Results



RT	Mass	Response	Amount
9.15	143.00	9338	33.013077
9.15	115.00	10080	
9.15	116.00	11821	

Reviewer: D9AH, 05-Aug-2025 11:23:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

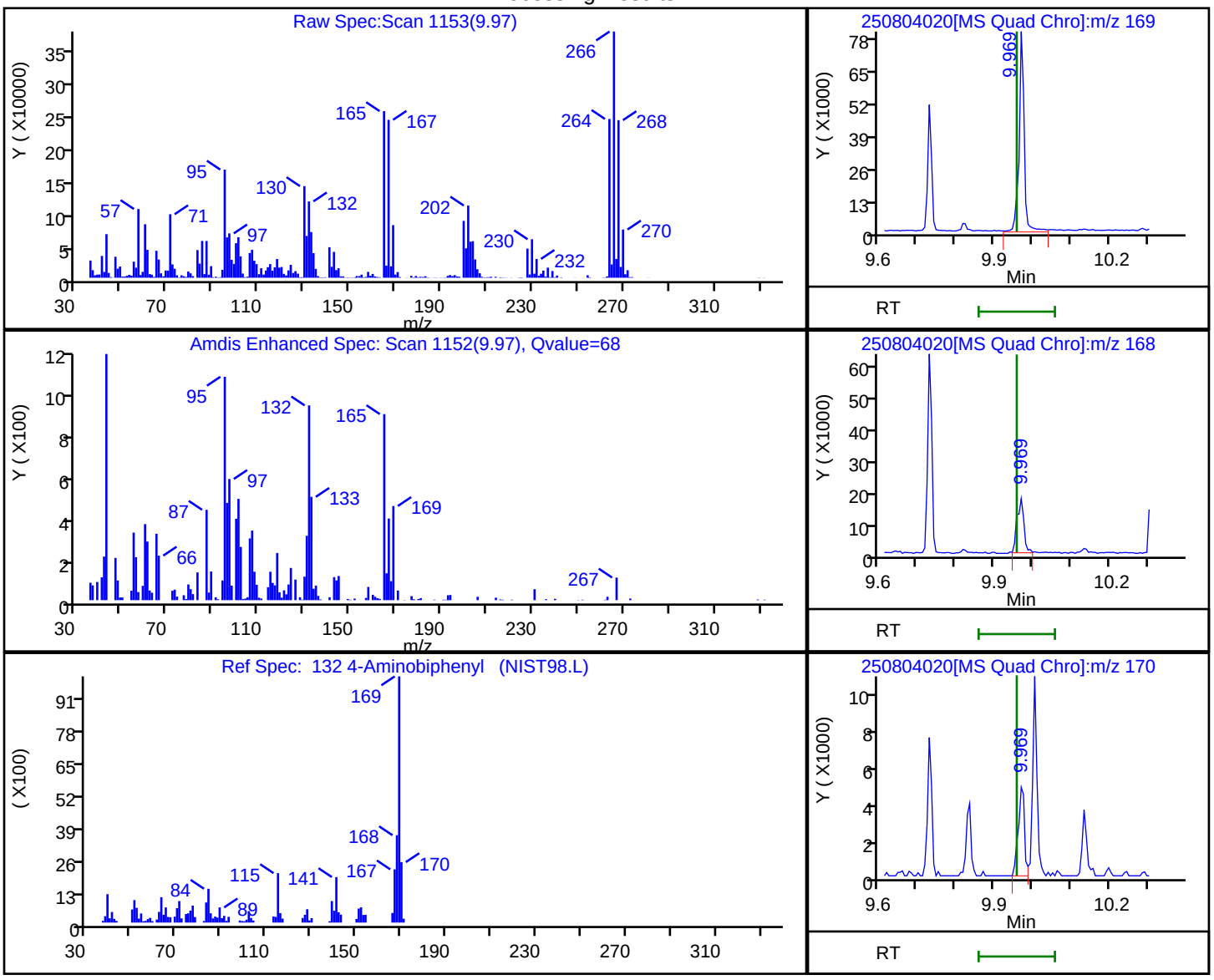
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

132 4-Aminobiphenyl, CAS: 92-67-1

Processing Results



RT	Mass	Response	Amount
9.97	169.00	72695	109.6719
9.97	168.00	21126	
9.97	170.00	5425	

Reviewer: D9AH, 05-Aug-2025 11:23:41 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

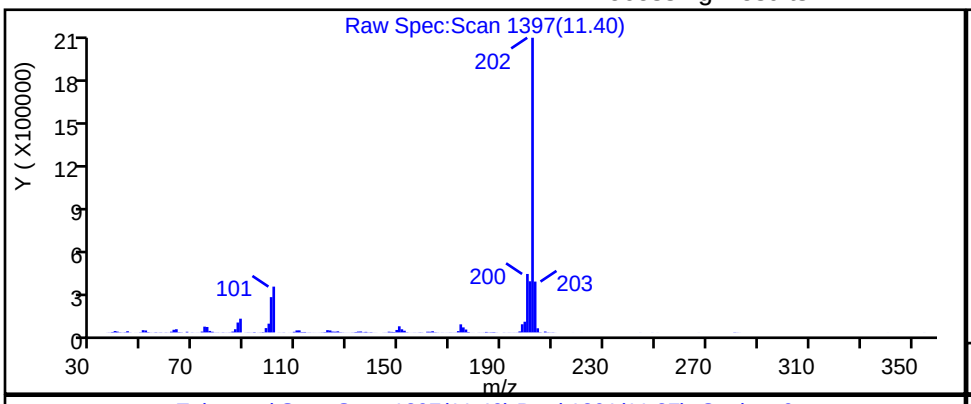
User Disabled Compound Report

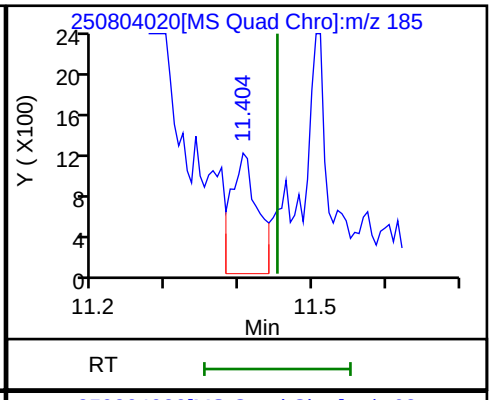
Eurofins Cleveland

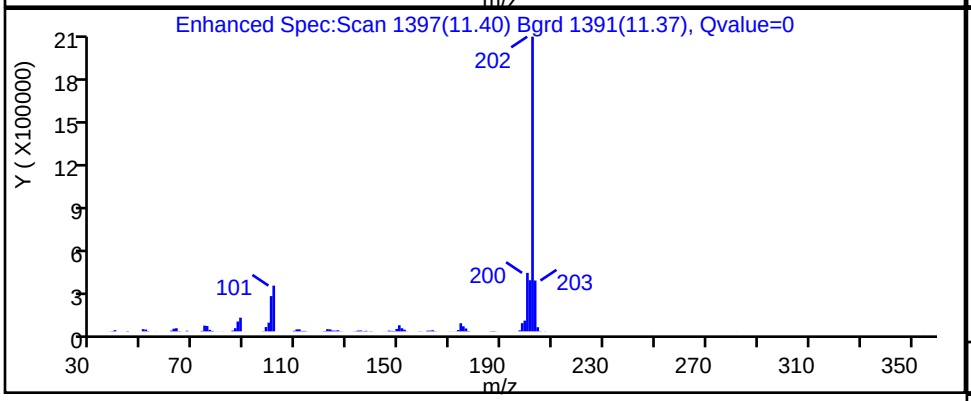
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Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

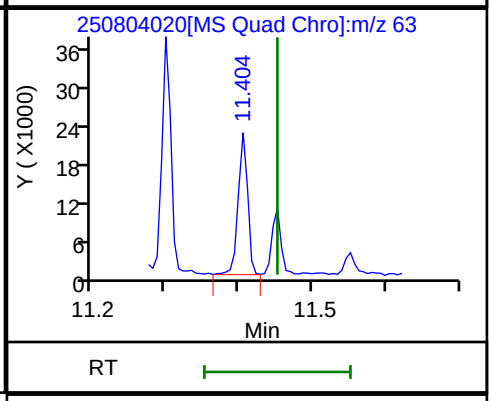
152 Aramite Peak 1, CAS: STL00690

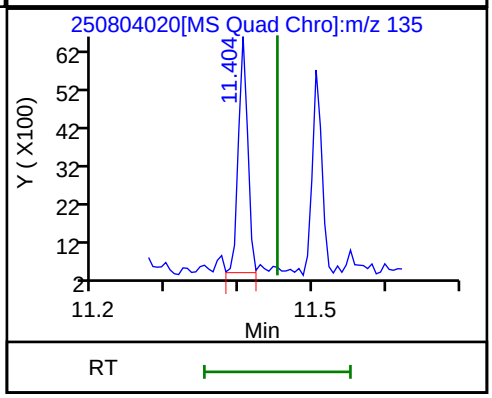
Processing Results











RT	Mass	Response	Amount
11.40	185.00	3028	51.763374
11.40	63.00	20348	
11.40	135.00	5399	

Reviewer: D9AH, 05-Aug-2025 11:23:50 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

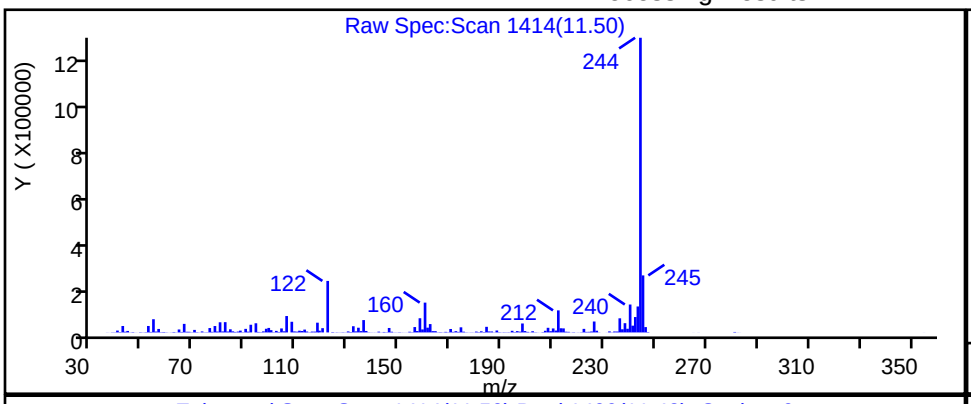
User Disabled Compound Report

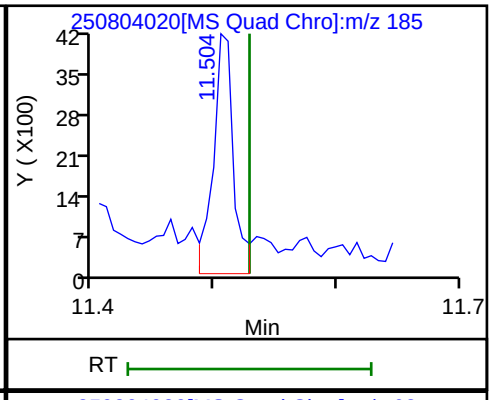
Eurofins Cleveland

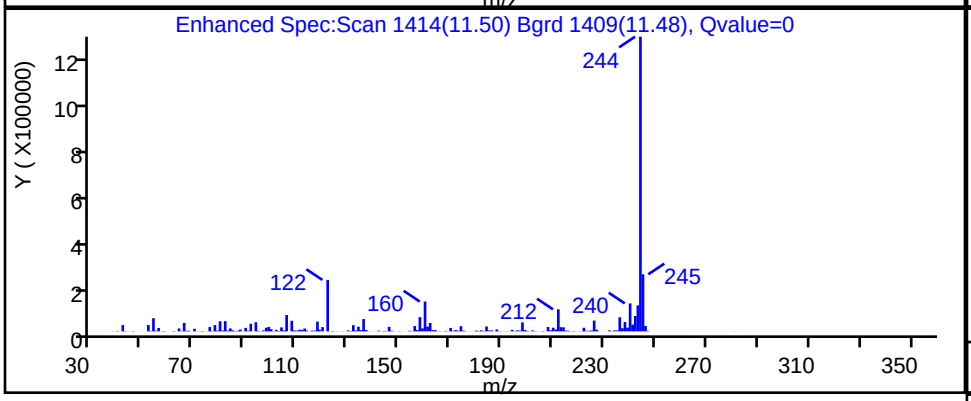
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

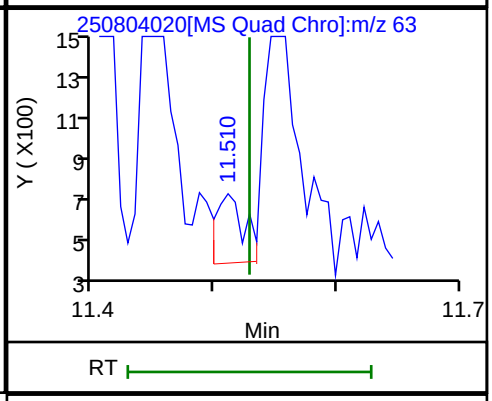
153 Aramite Peak 2, CAS: STL00691

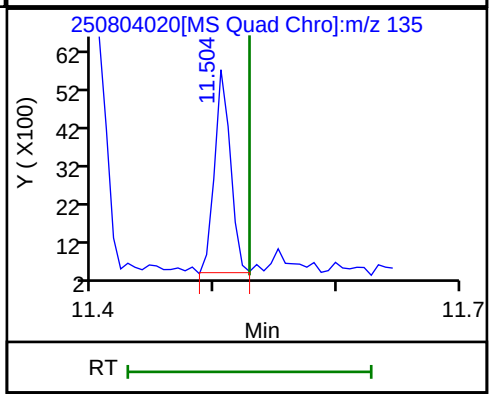
Processing Results











RT	Mass	Response	Amount
11.50	185.00	4792	44.877804
11.51	63.00	516	
11.50	135.00	4926	

Reviewer: D9AH, 05-Aug-2025 11:23:51 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Cleveland

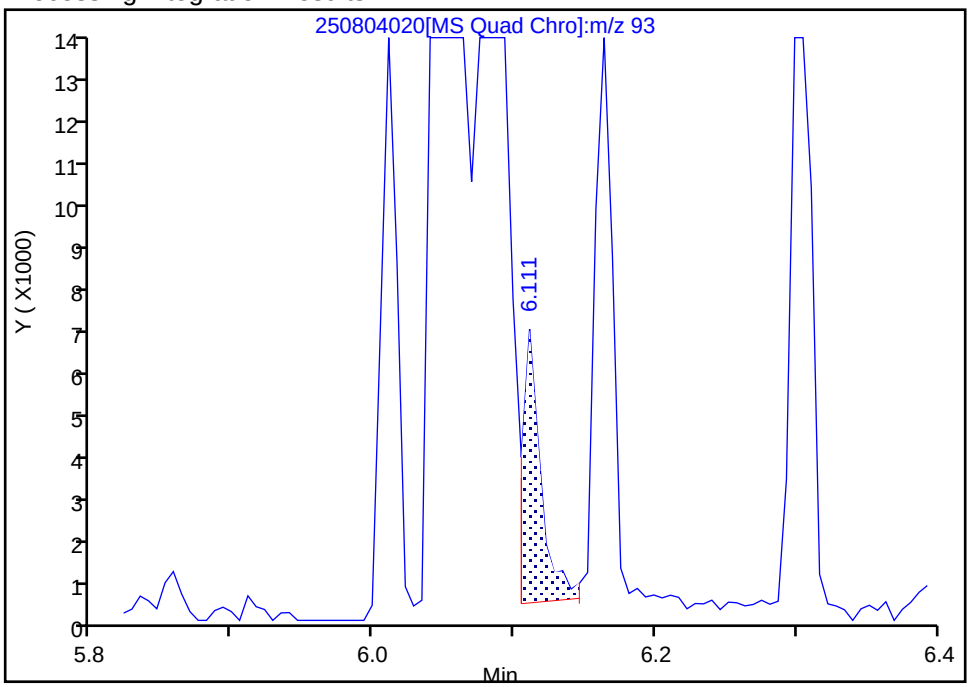
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Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

30 Bis(2-chloroethyl)ether, CAS: 111-44-4

Signal: 1

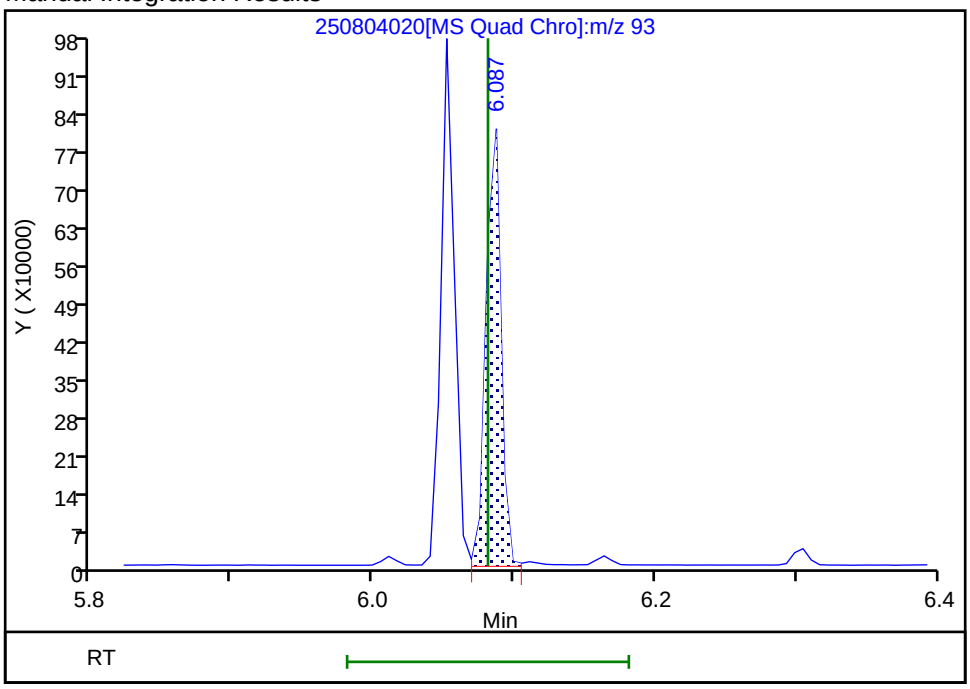
Processing Integration Results

RT: 6.11
Area: 5751
Amount: 11.611319
Amount Units: ng/ml



Manual Integration Results

RT: 6.09
Area: 596481
Amount: 1204.3004
Amount Units: ng/ml



Reviewer: D9AH, 05-Aug-2025 11:23:14 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

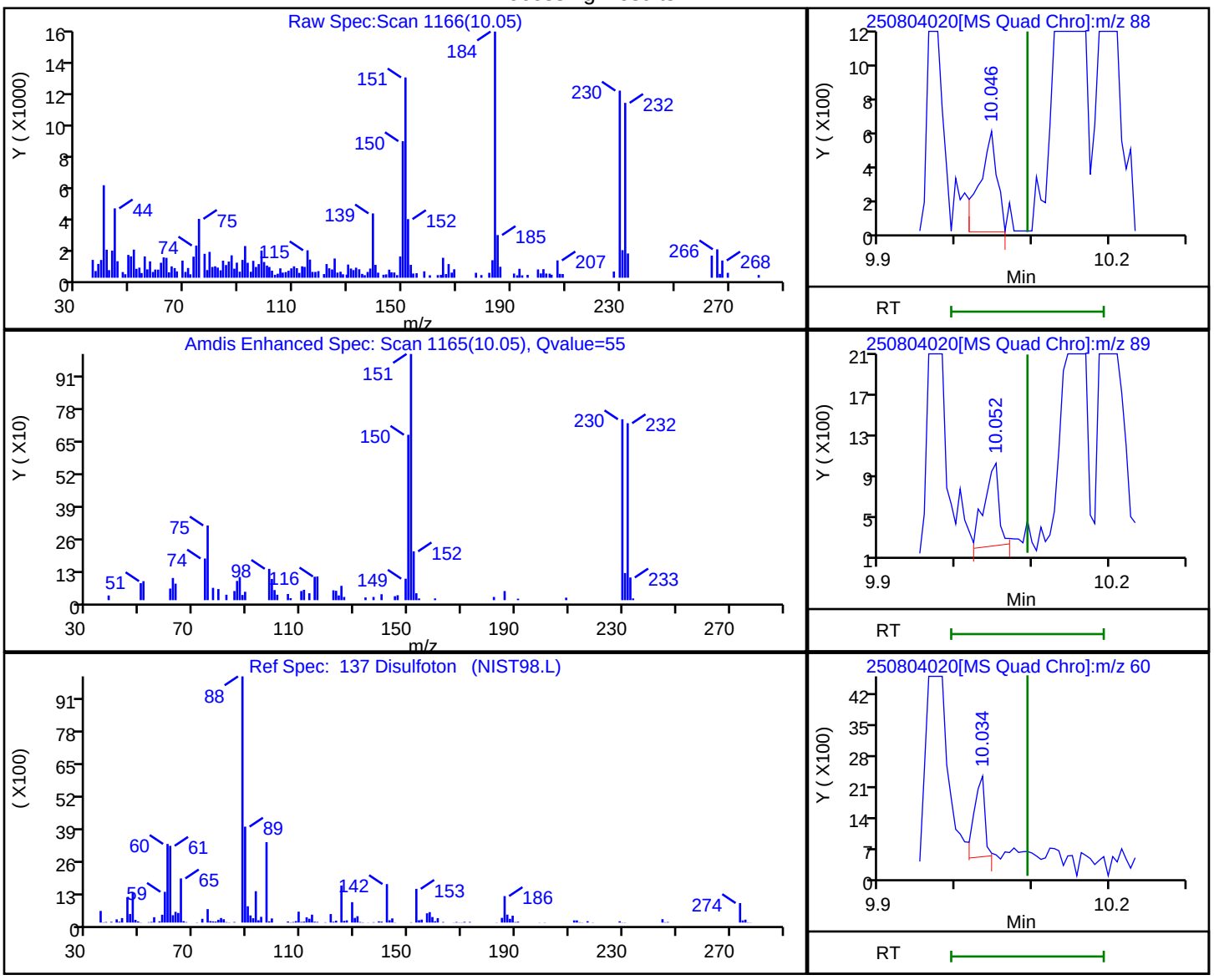
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

137 Disulfoton, CAS: 298-04-4

Processing Results



RT	Mass	Response	Amount
10.05	88.00	902	19.158972
10.05	89.00	1055	
10.03	60.00	1725	

Reviewer: D9AH, 05-Aug-2025 11:23:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

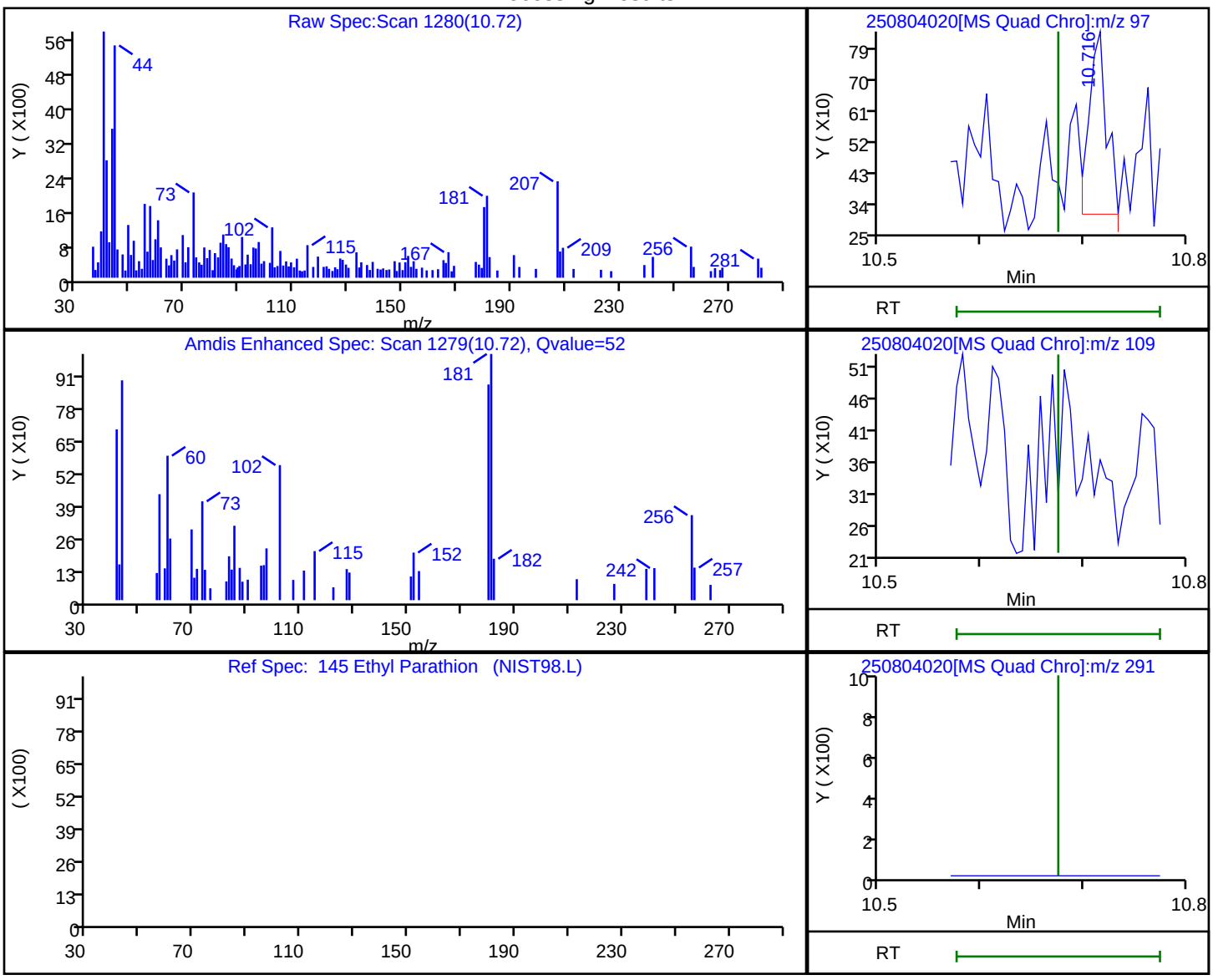
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

145 Ethyl Parathion, CAS: 56-38-2

Processing Results



RT	Mass	Response	Amount
10.72	97.00	630	51.923263
10.68	109.00	0	
10.68	291.00	0	

Reviewer: D9AH, 05-Aug-2025 11:23:46 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

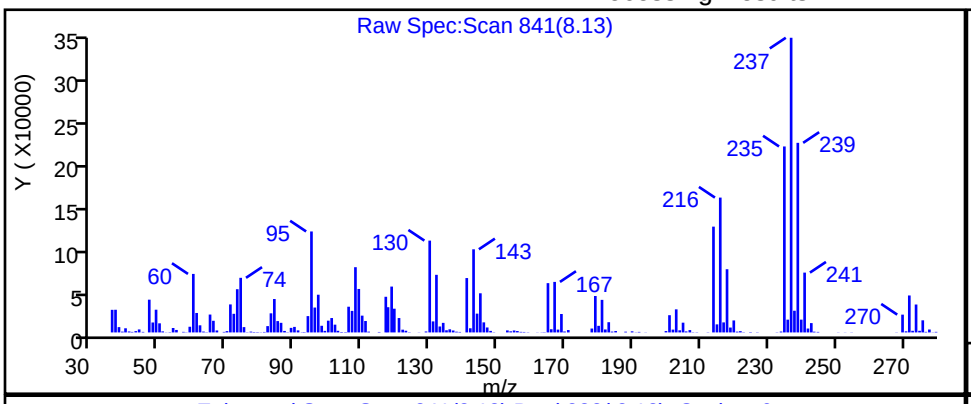
User Disabled Compound Report

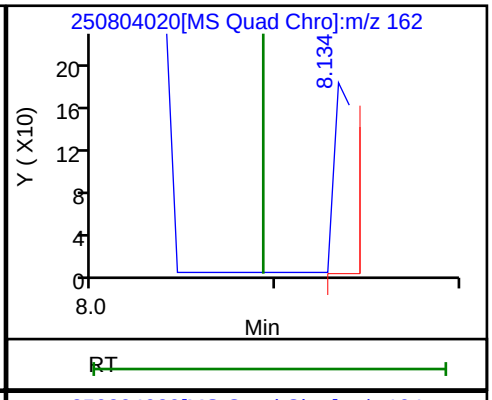
Eurofins Cleveland

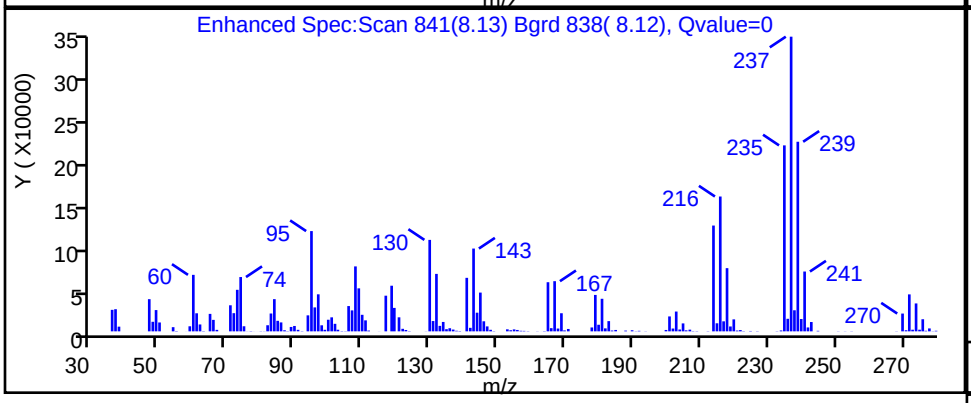
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

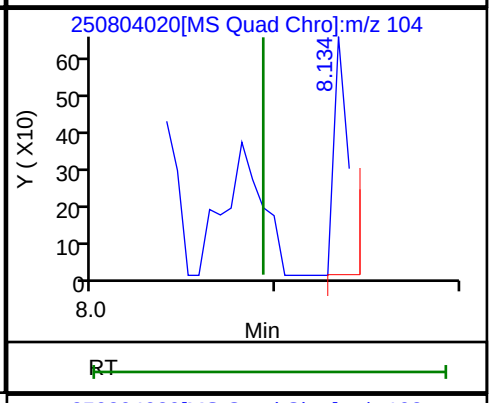
75 Isosafrole Peak 1, CAS: STL03315

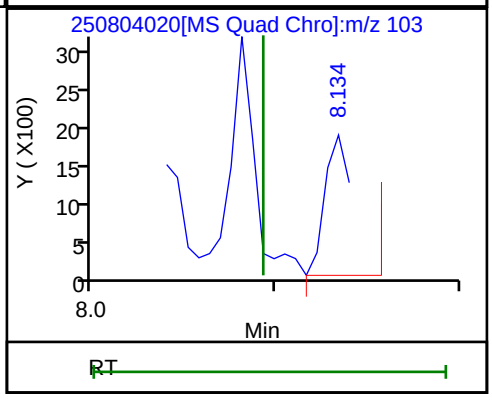
Processing Results











RT	Mass	Response	Amount
8.13	162.00	118	0.351273
8.13	104.00	396	
8.13	103.00	1886	

Reviewer: D9AH, 05-Aug-2025 11:23:26 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

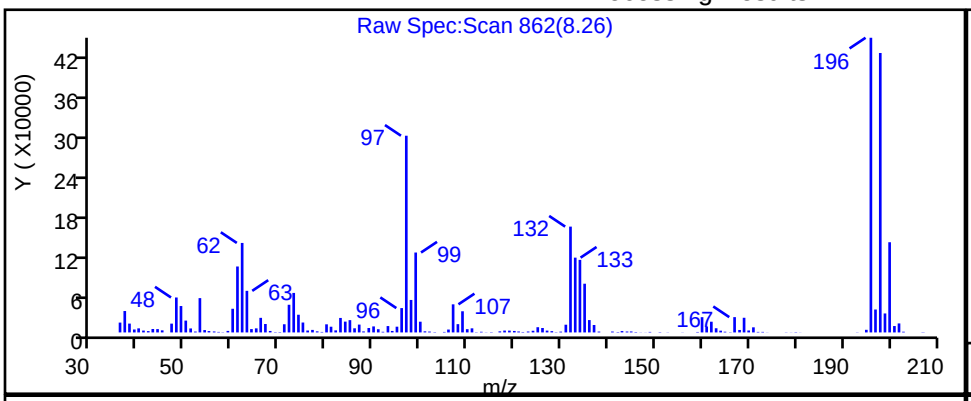
User Disabled Compound Report

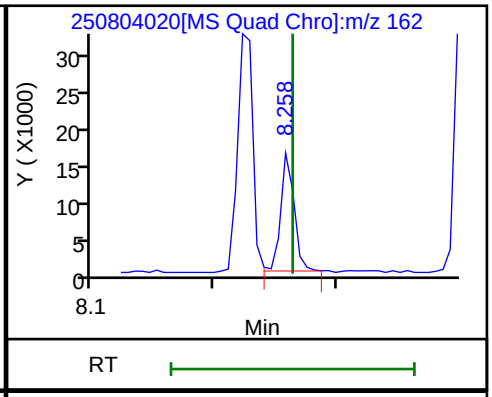
Eurofins Cleveland

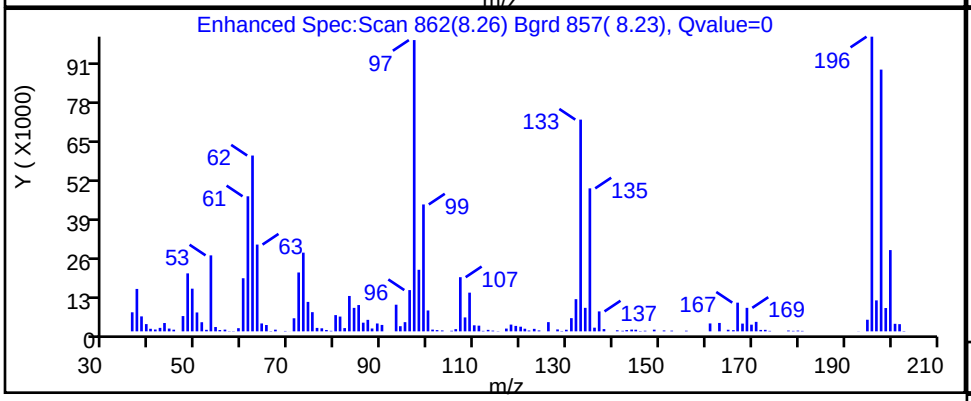
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Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

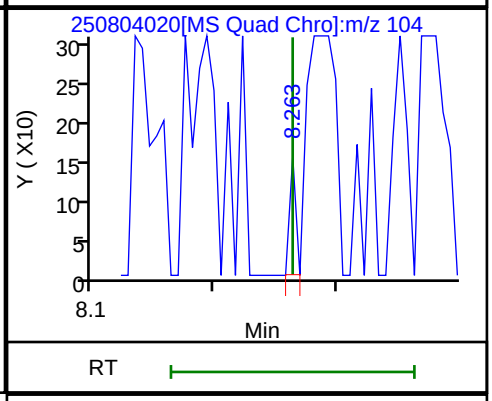
87 Isosafrole Peak 2, CAS: STL03316

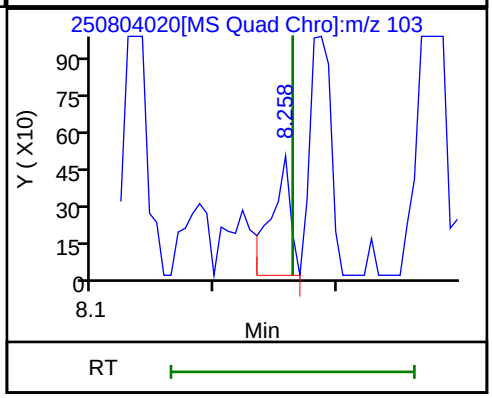
Processing Results











RT	Mass	Response	Amount
8.26	162.00	12158	33.002258
8.26	104.00	55	
8.26	103.00	557	

Reviewer: D9AH, 05-Aug-2025 11:23:28 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

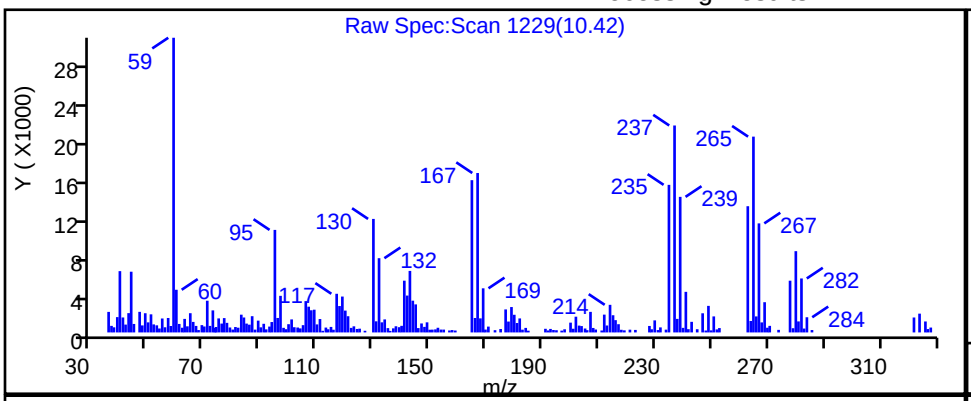
User Disabled Compound Report

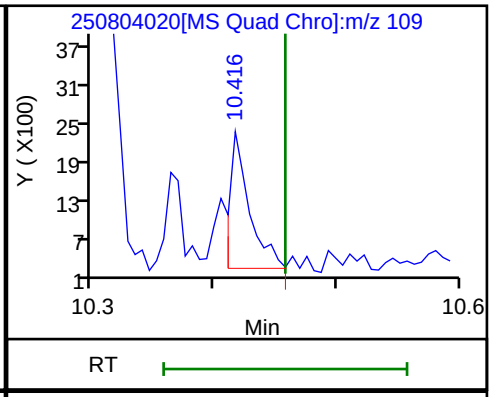
Eurofins Cleveland

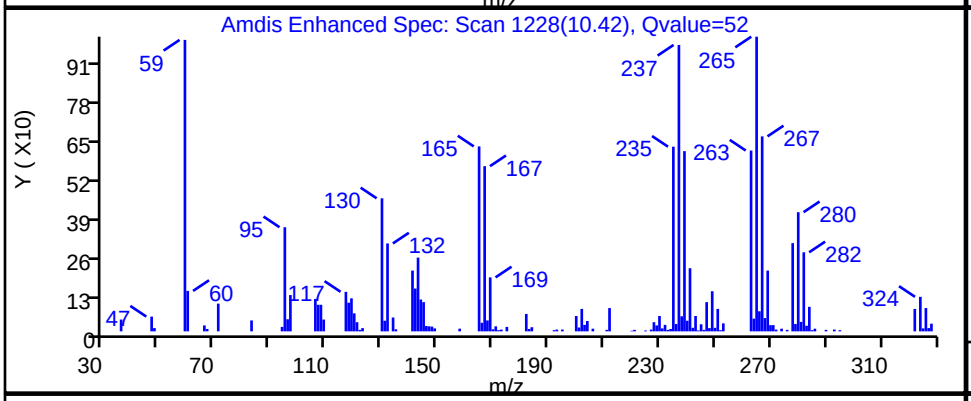
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

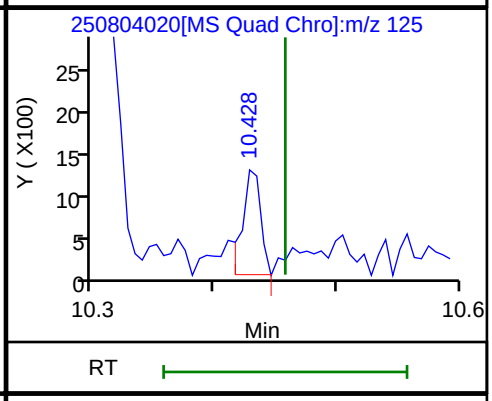
143 Methyl parathion, CAS: 298-00-0

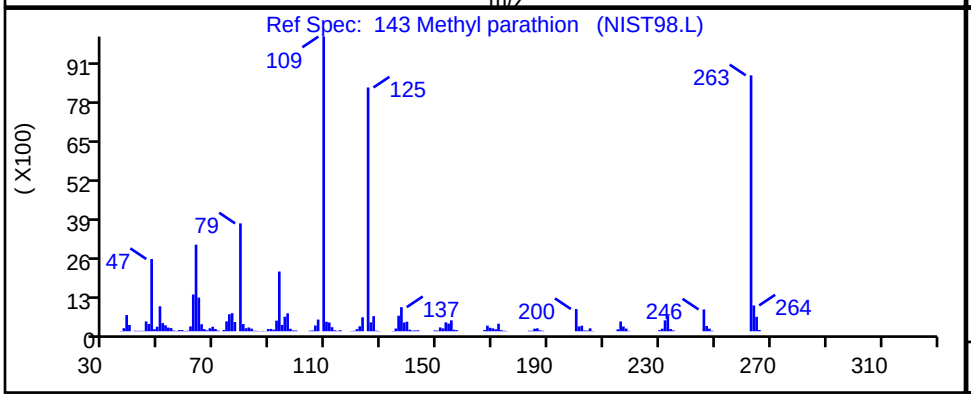
Processing Results

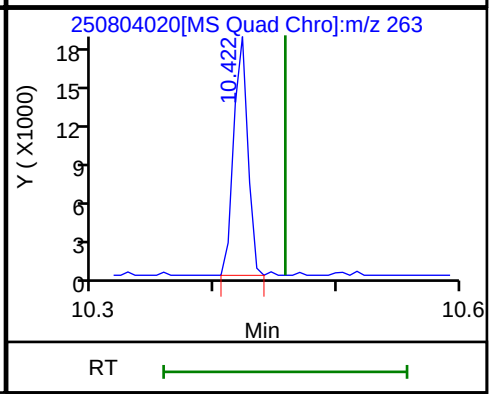












RT	Mass	Response	Amount
10.42	109.00	2262	50.878302
10.43	125.00	1302	
10.42	263.00	14575	

Reviewer: D9AH, 05-Aug-2025 11:23:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

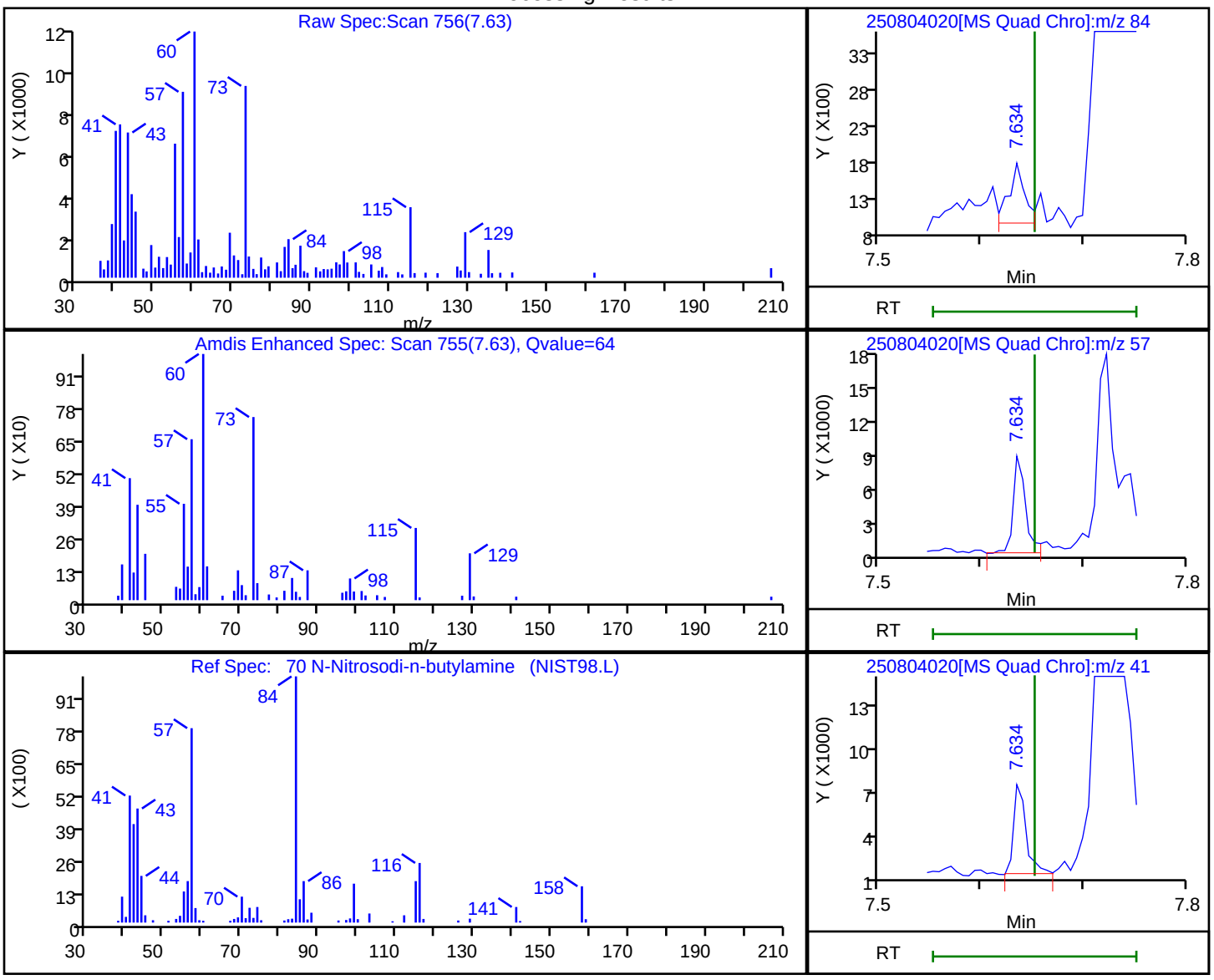
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

70 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Processing Results



RT	Mass	Response	Amount
7.63	84.00	901	2.933926
7.63	57.00	6927	
7.63	41.00	5155	

Reviewer: D9AH, 05-Aug-2025 11:23:23 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

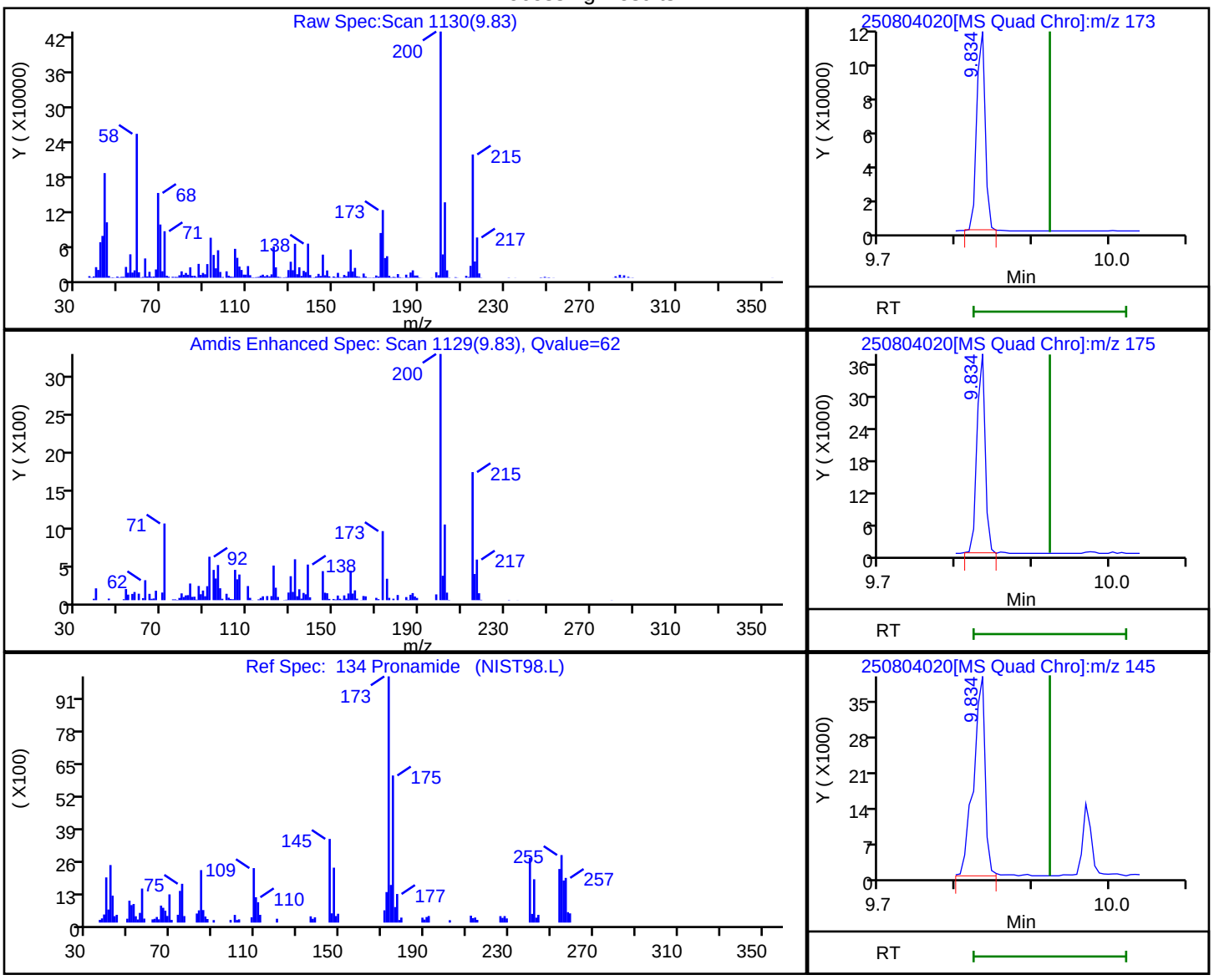
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

134 Pronamide, CAS: 23950-58-5

Processing Results



RT	Mass	Response	Amount
9.83	173.00	89789	285.5597
9.83	175.00	27736	
9.83	145.00	41641	

Reviewer: D9AH, 05-Aug-2025 11:23:39 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

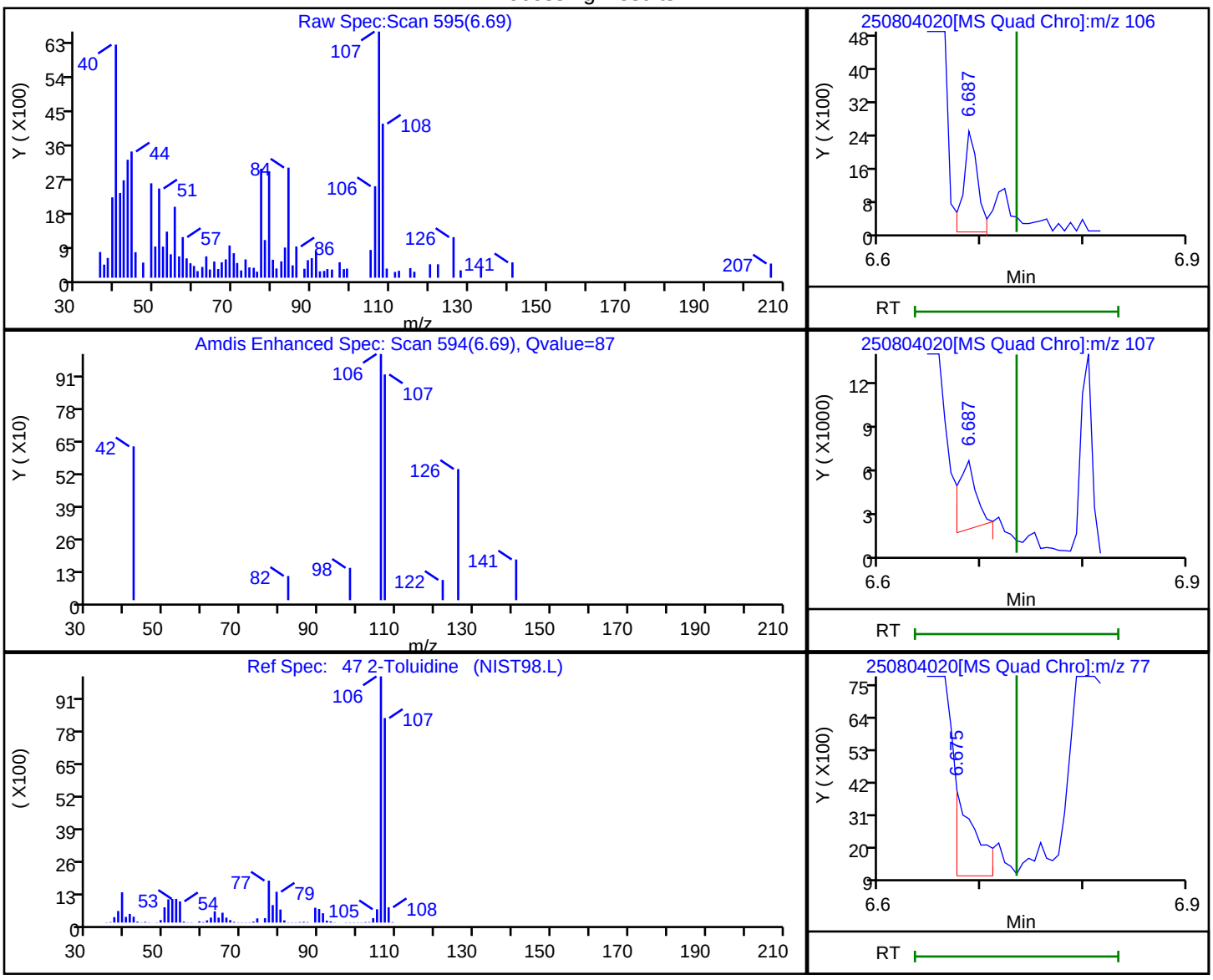
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

47 2-Toluidine, CAS: 95-53-4

Processing Results



RT	Mass	Response	Amount
6.69	106.00	2335	25.935953
6.69	107.00	4984	
6.68	77.00	4016	

Reviewer: D9AH, 05-Aug-2025 11:23:19 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Cleveland

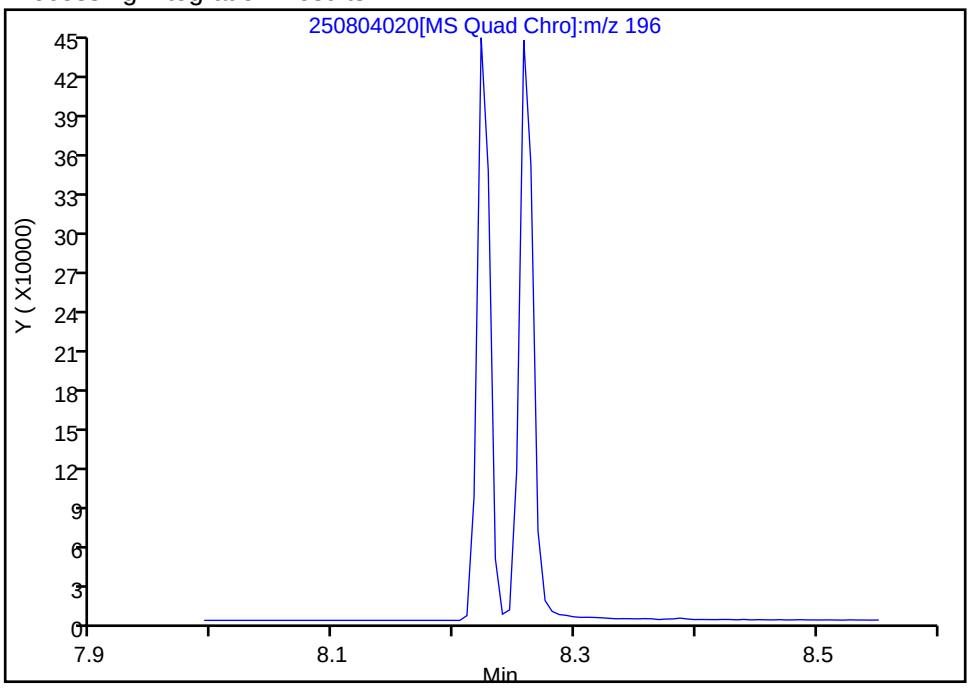
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

86 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

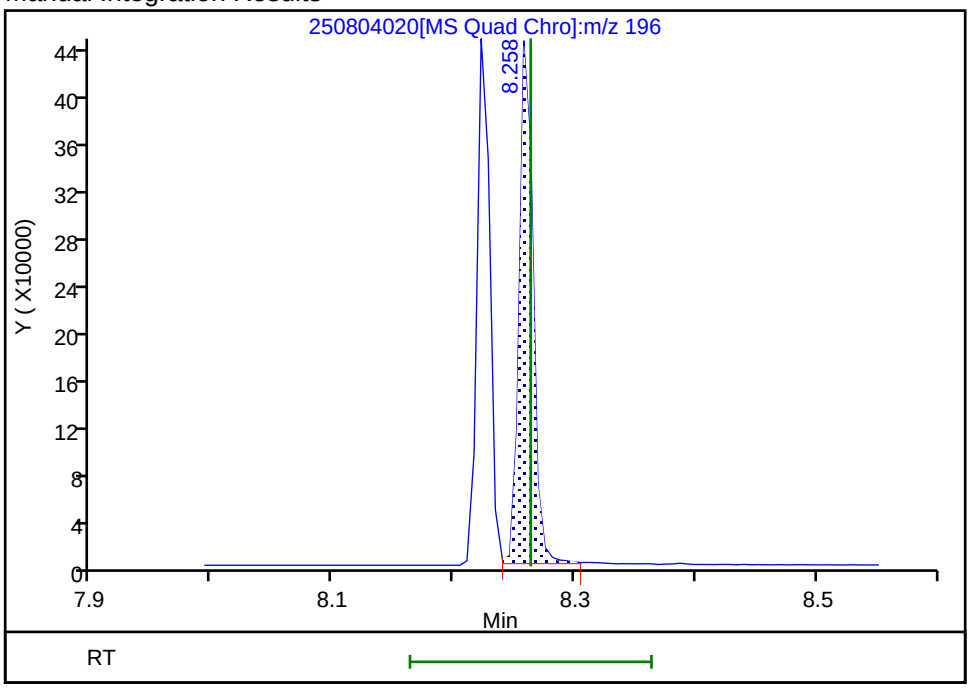
Not Detected
Expected RT: 8.26

Processing Integration Results



Manual Integration Results

RT: 8.26
Area: 353438
Amount: 1412.4883
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:43 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

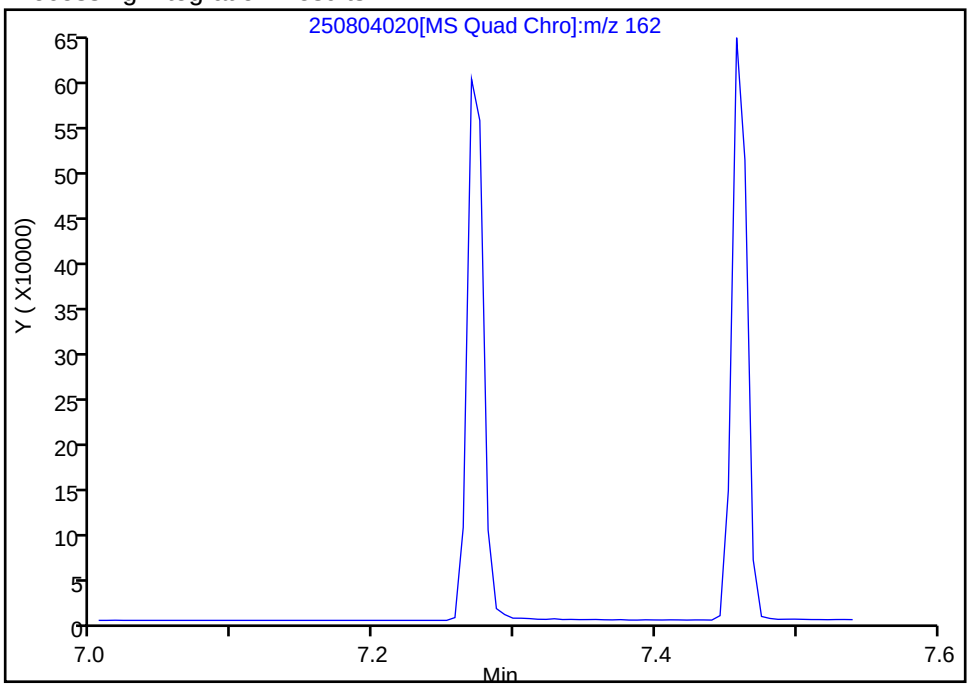
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

61 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

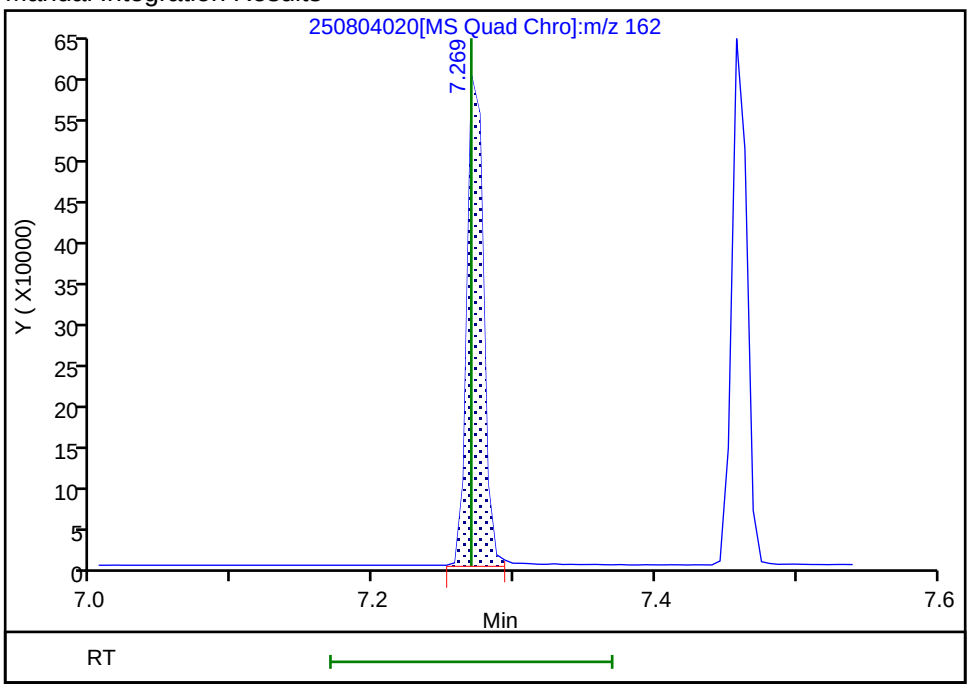
Not Detected
Expected RT: 7.27

Processing Integration Results



Manual Integration Results

RT: 7.27
Area: 482976
Amount: 1434.1429
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:25 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

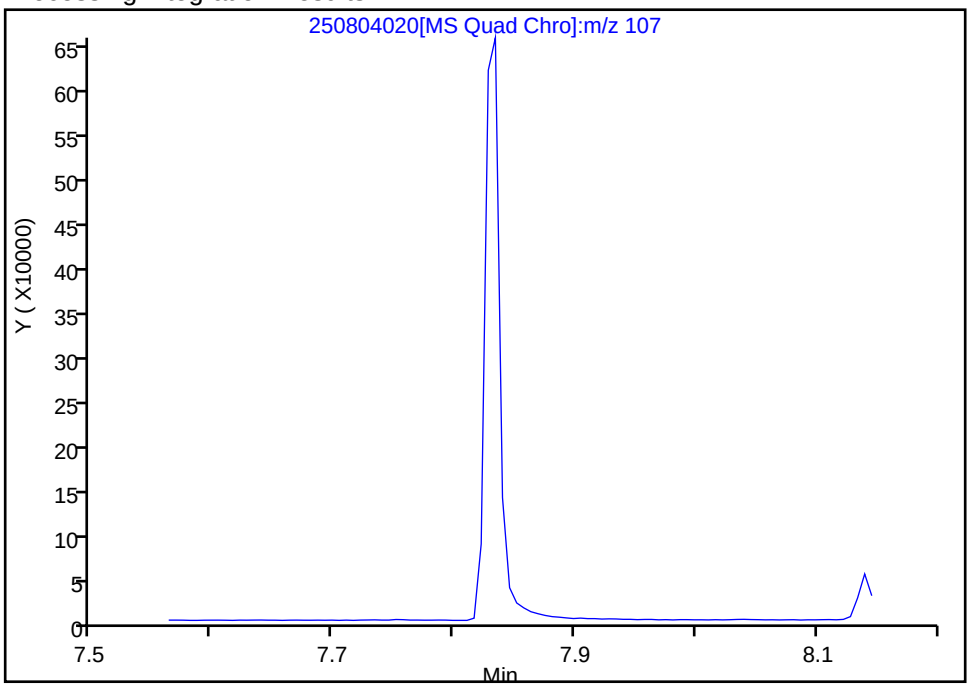
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

73 4-Chloro-3-methylphenol, CAS: 59-50-7

Signal: 1

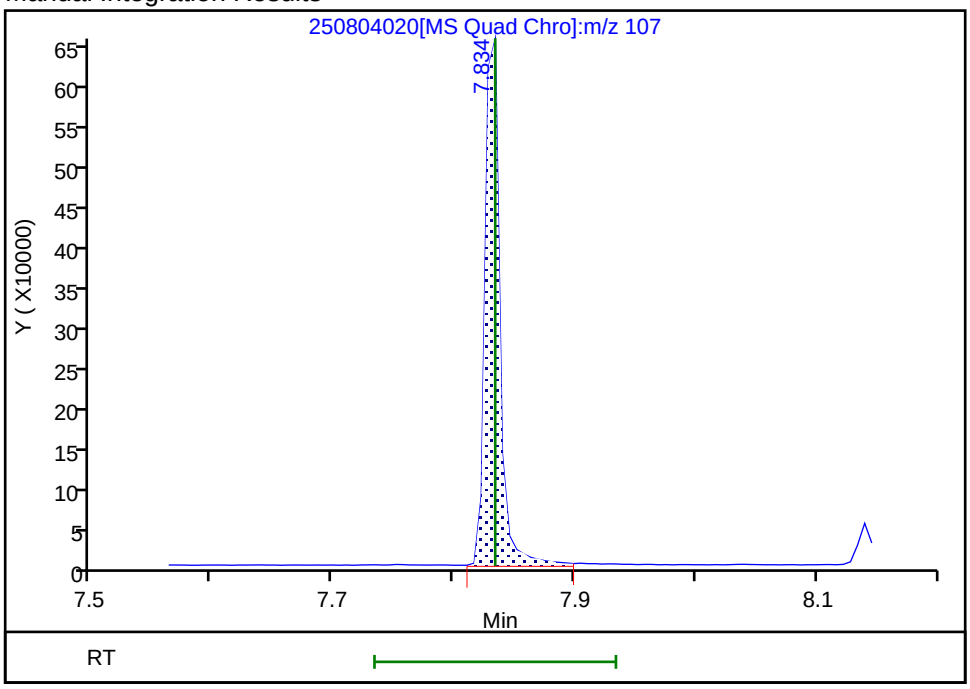
Not Detected
Expected RT: 7.83

Processing Integration Results



Manual Integration Results

RT: 7.83
Area: 566036
Amount: 1364.9798
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:35 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

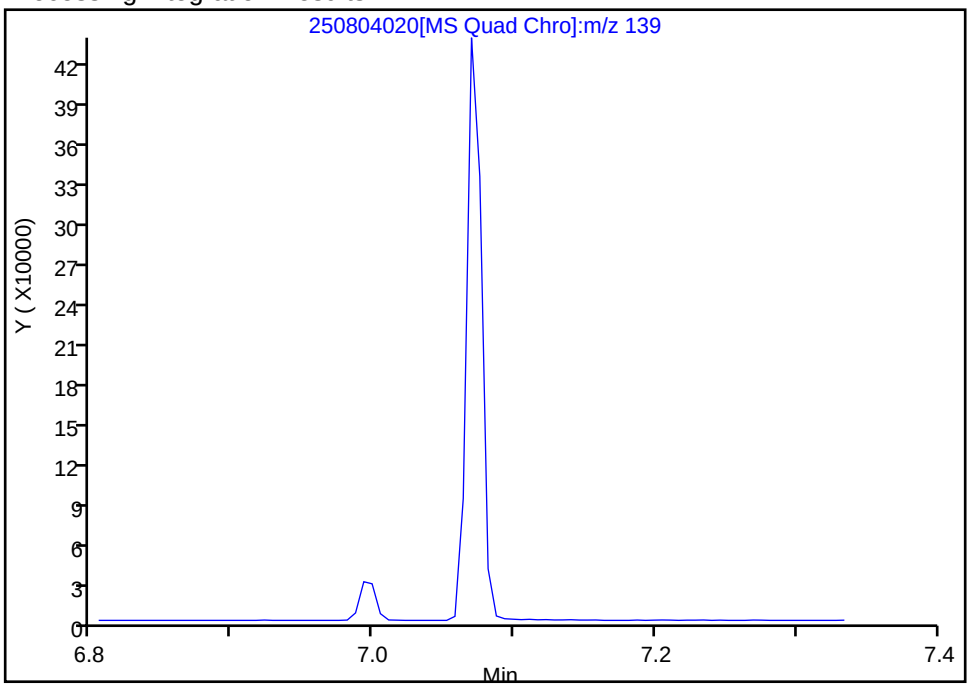
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

55 2-Nitrophenol, CAS: 88-75-5

Signal: 1

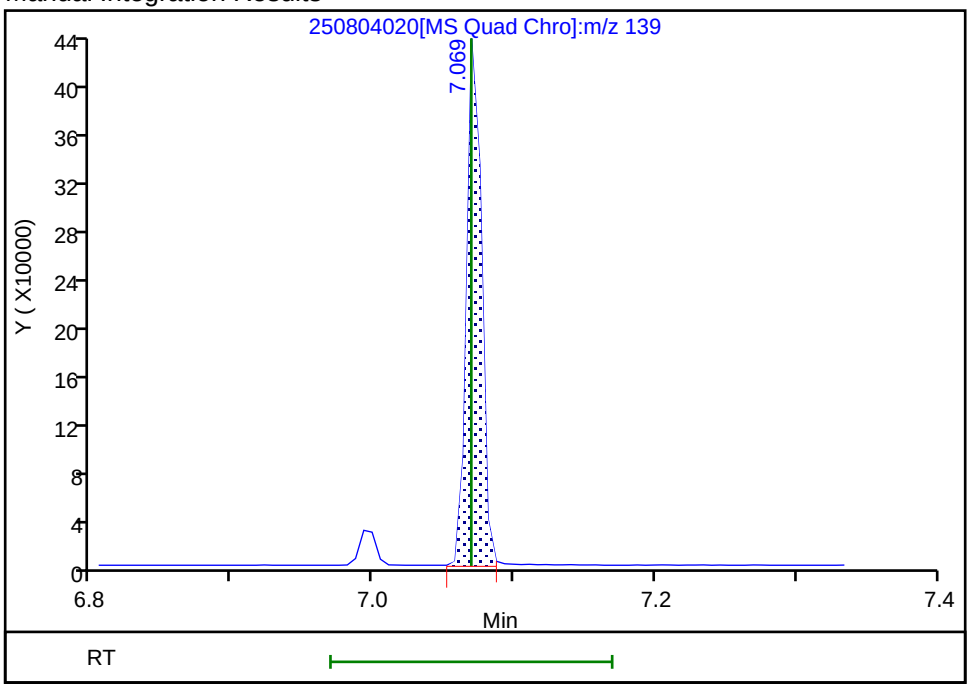
Not Detected
Expected RT: 7.07

Processing Integration Results



Manual Integration Results

RT: 7.07
Area: 320499
Amount: 1356.4785
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:21 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

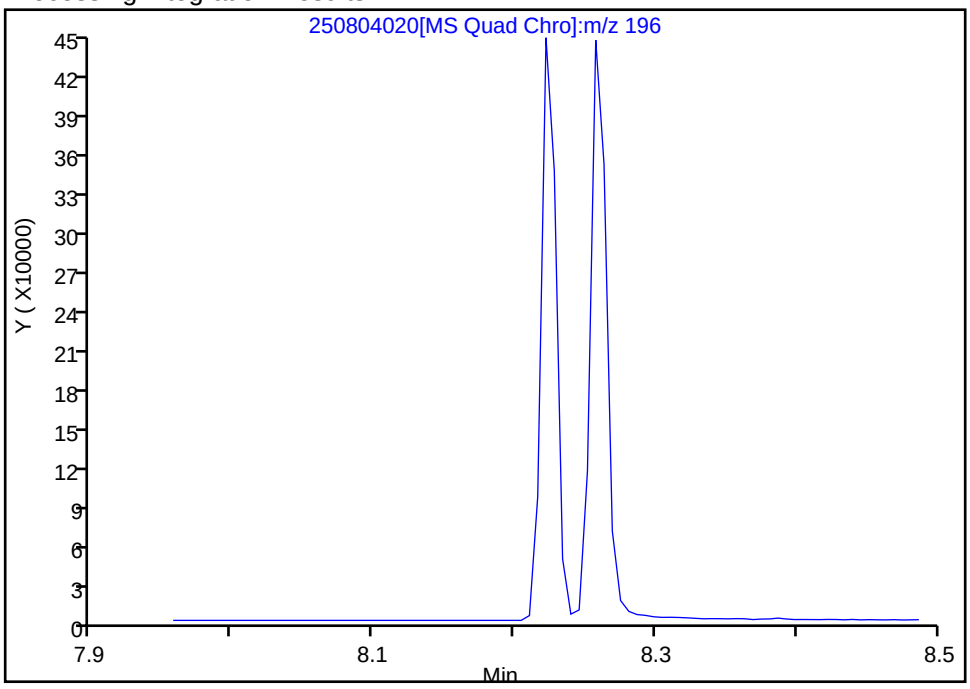
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

85 2,4,6-Trichlorophenol, CAS: 88-06-2

Signal: 1

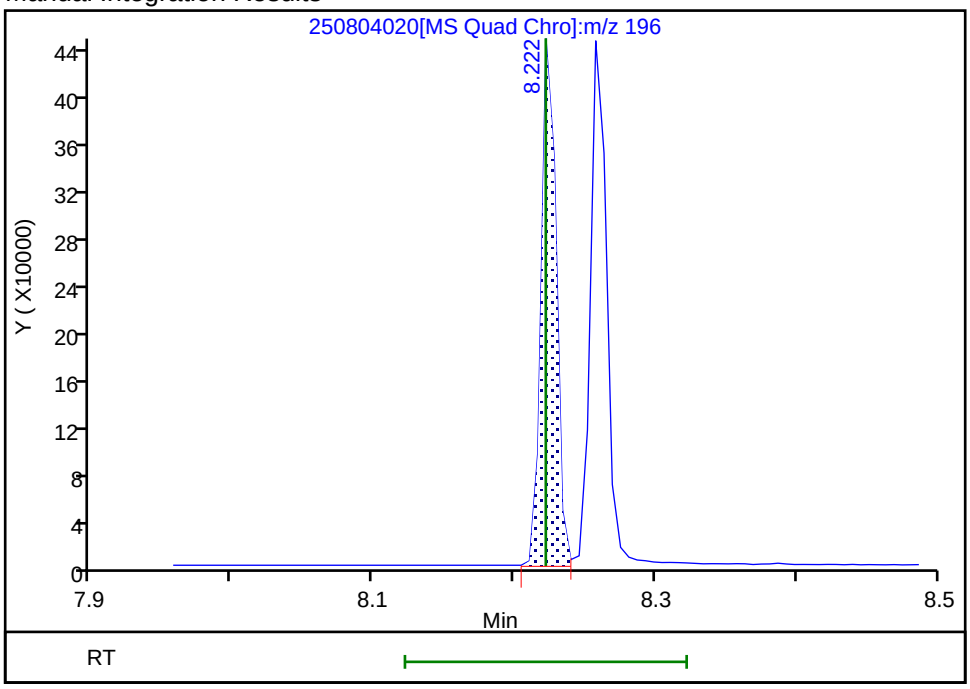
Not Detected
Expected RT: 8.22

Processing Integration Results



Manual Integration Results

RT: 8.22
Area: 330659
Amount: 1420.2061
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:39 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

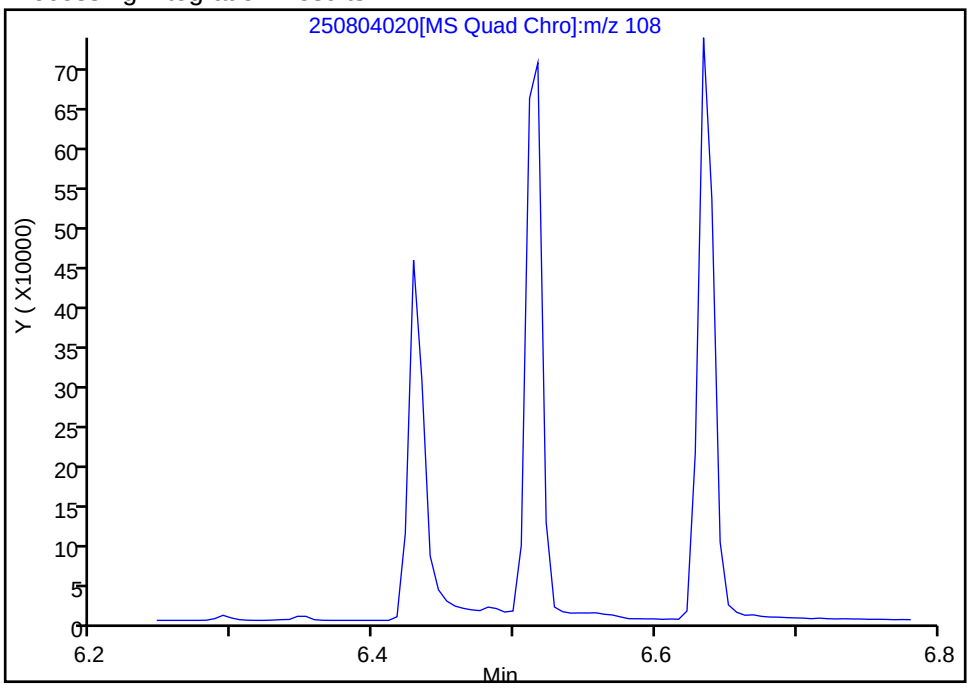
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

40 2-Methylphenol, CAS: 95-48-7

Signal: 1

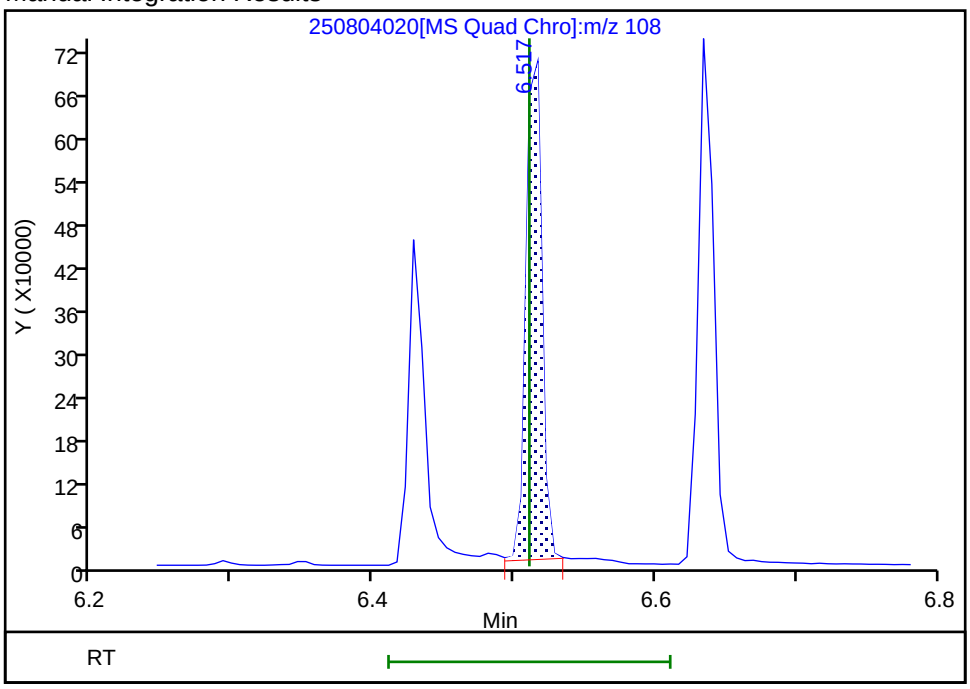
Not Detected
Expected RT: 6.51

Processing Integration Results



Manual Integration Results

RT: 6.52
Area: 553290
Amount: 1237.2902
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

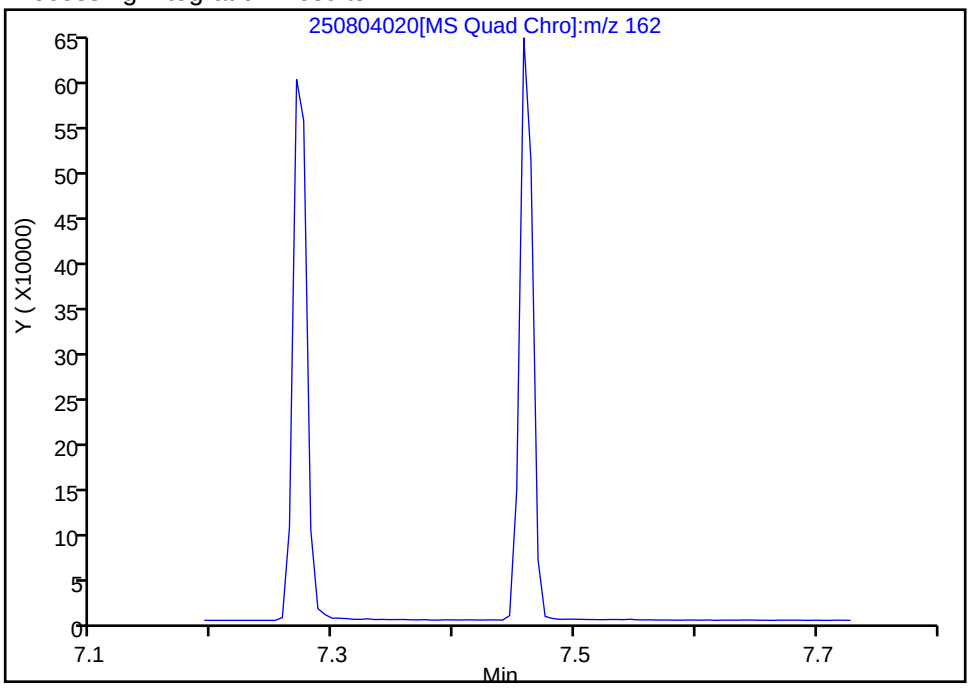
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

66 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

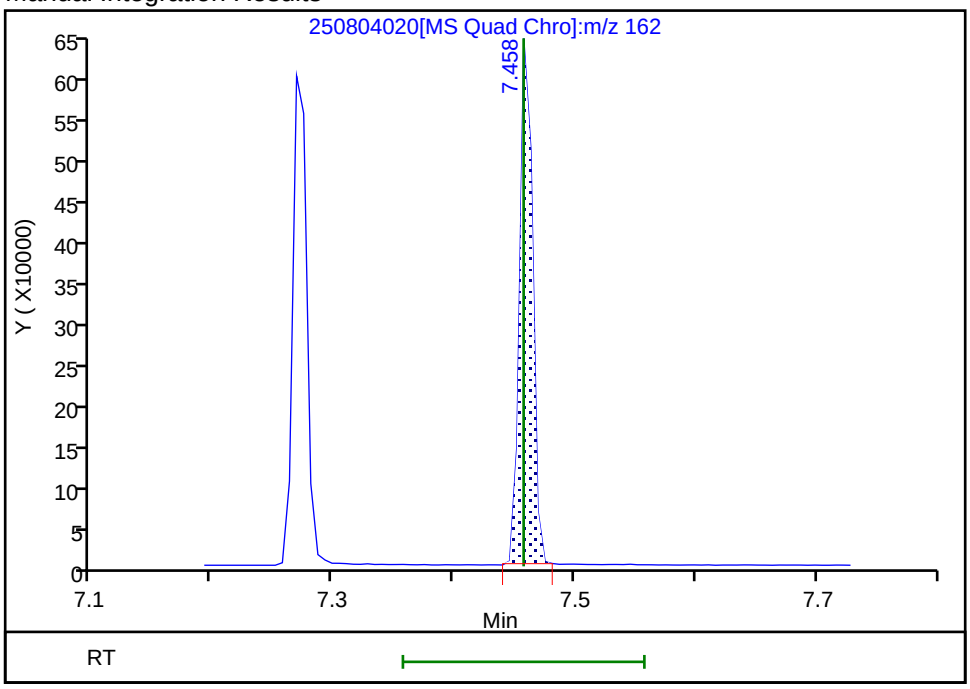
Not Detected
Expected RT: 7.46

Processing Integration Results



Manual Integration Results

RT: 7.46
Area: 481659
Amount: 1347.6518
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

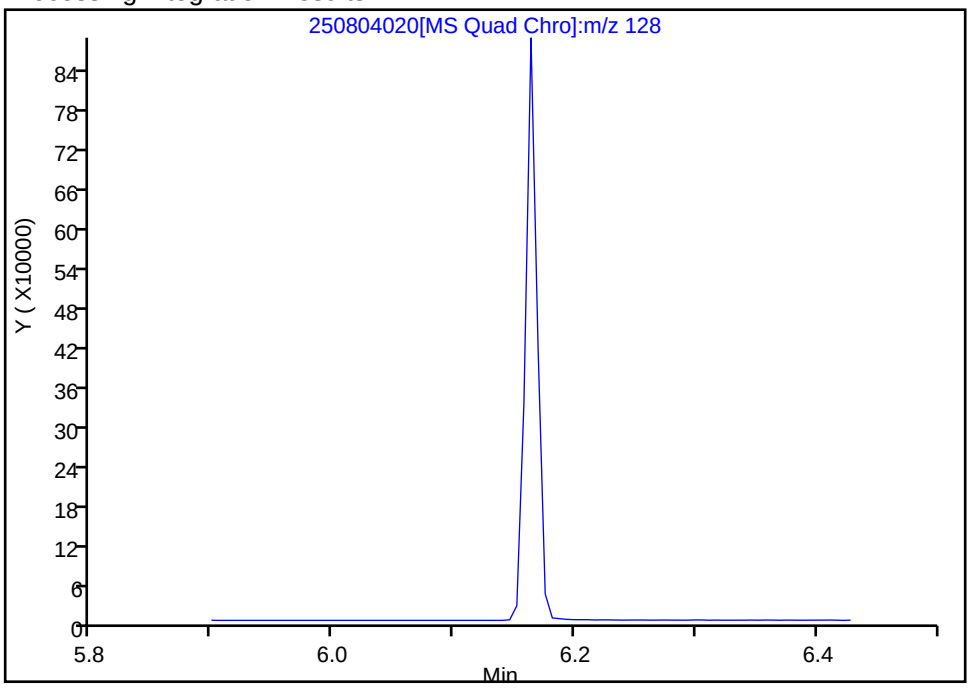
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

32 2-Chlorophenol, CAS: 95-57-8

Signal: 1

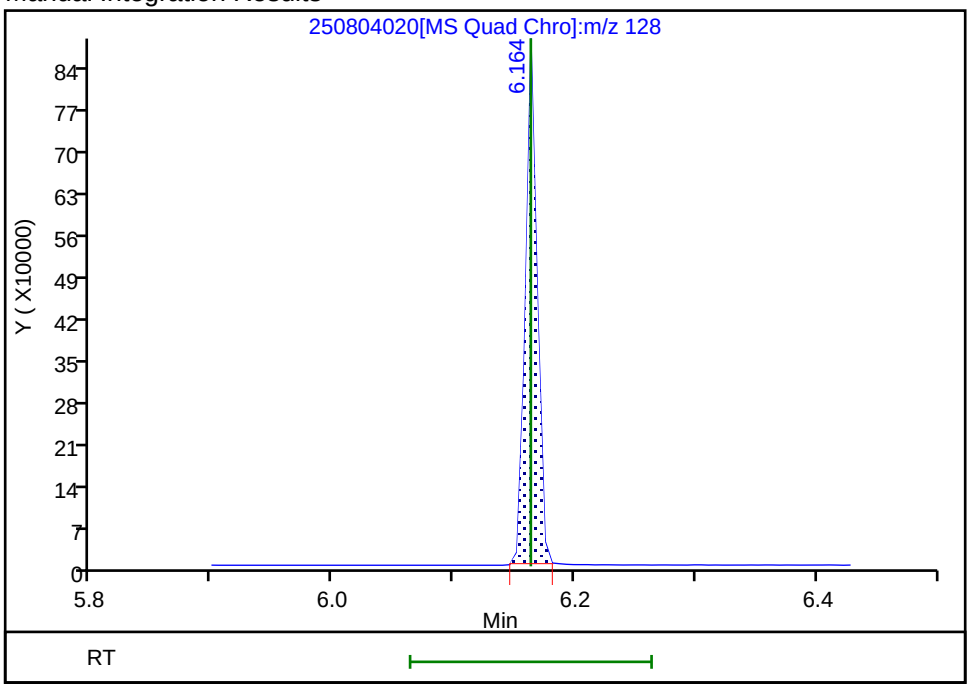
Not Detected
Expected RT: 6.16

Processing Integration Results



Manual Integration Results

RT: 6.16
Area: 594500
Amount: 1404.3372
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:08 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

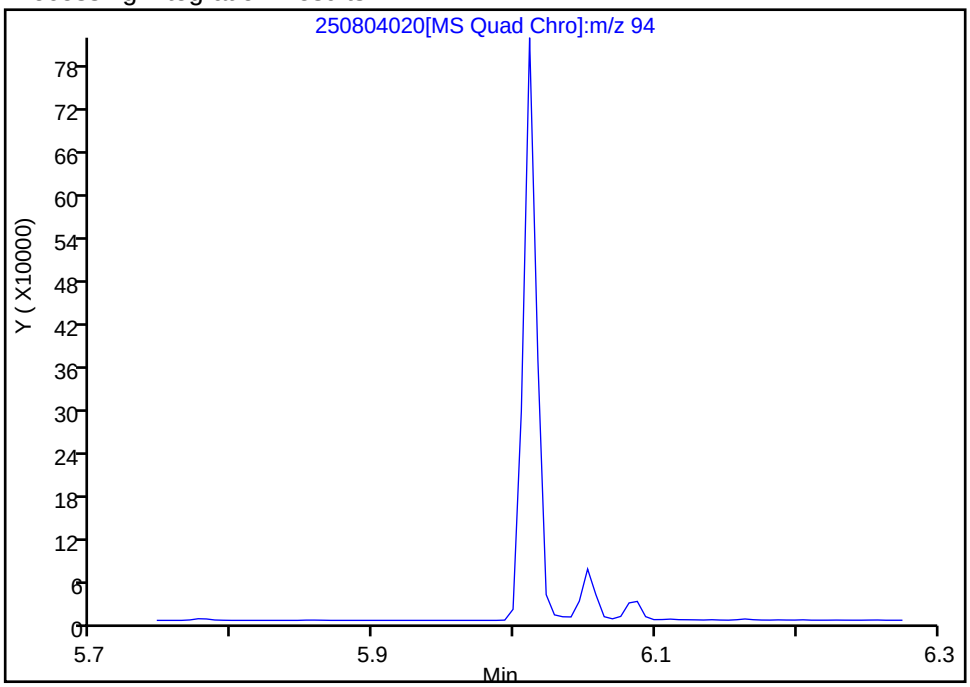
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

27 Phenol, CAS: 108-95-2

Signal: 1

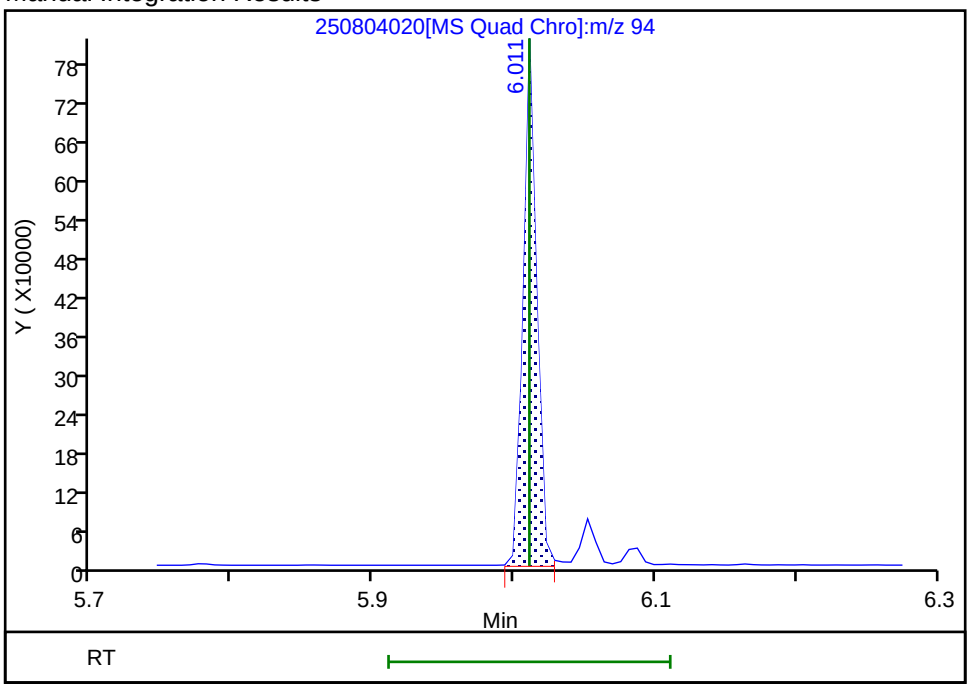
Not Detected
Expected RT: 6.01

Processing Integration Results



Manual Integration Results

RT: 6.01
Area: 539489
Amount: 1089.6808
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

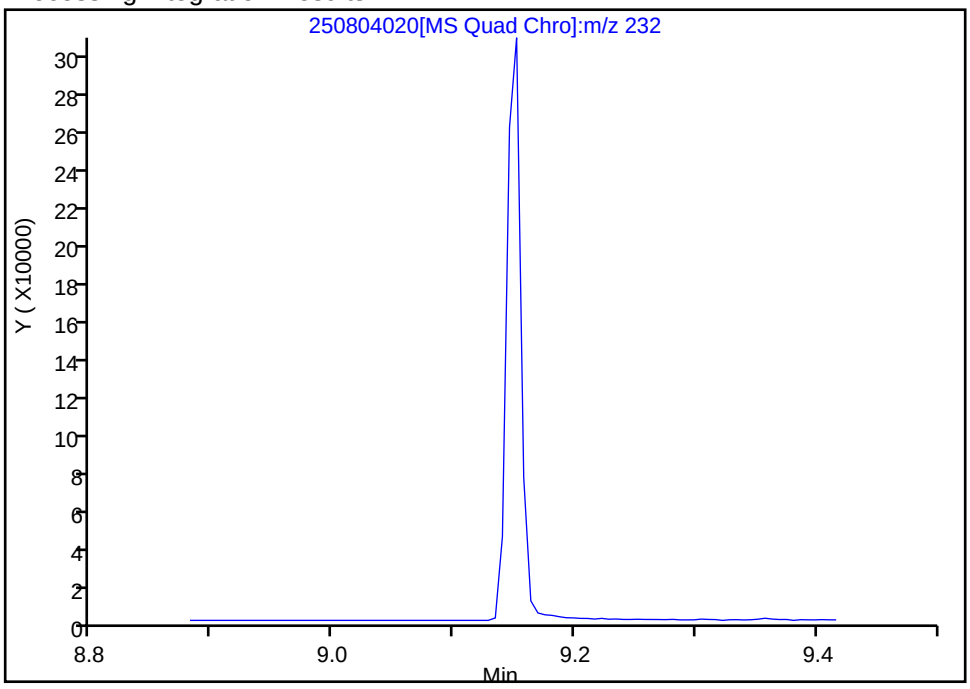
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

108 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

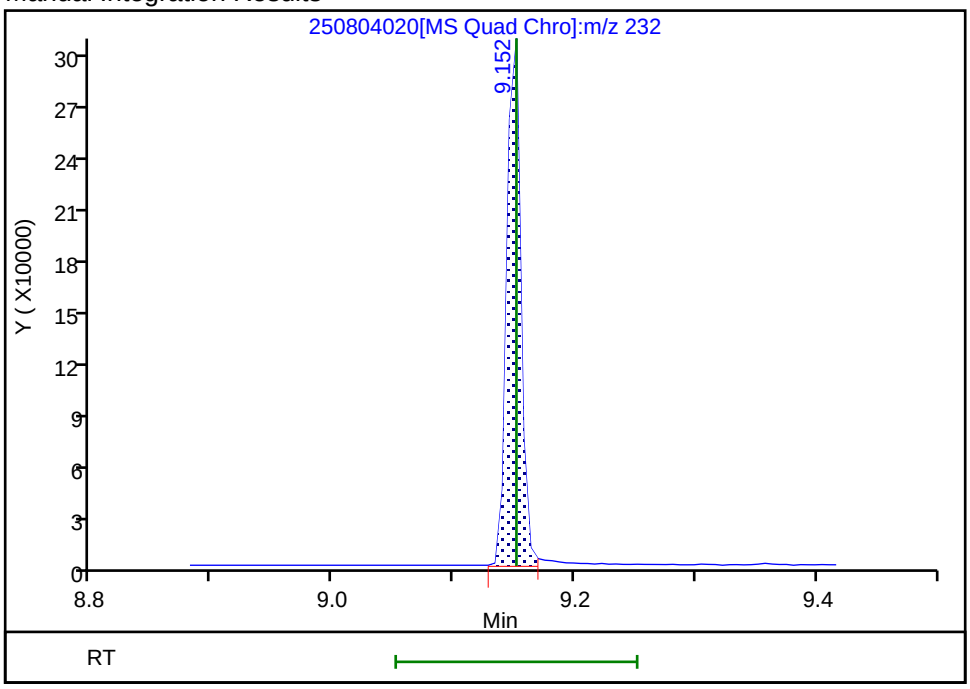
Not Detected
Expected RT: 9.15

Processing Integration Results



Manual Integration Results

RT: 9.15
Area: 246280
Amount: 1400.6519
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:51 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

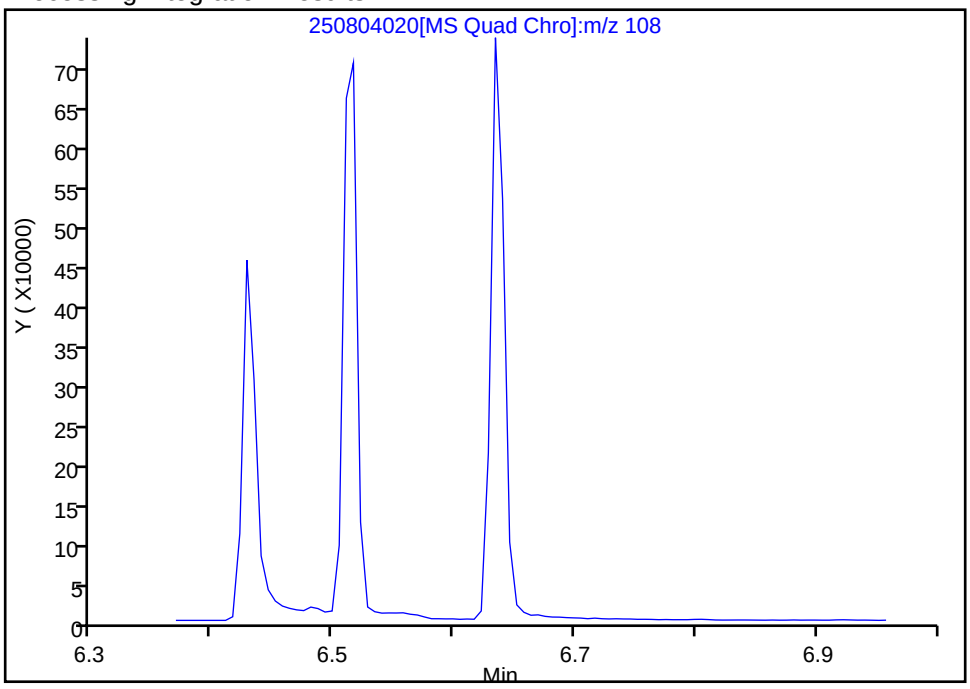
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804020.D				
Injection Date:	04-Aug-2025 14:31:21	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-B MS				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

45 3 & 4 Methylphenol, CAS: 15831-10-4

Signal: 1

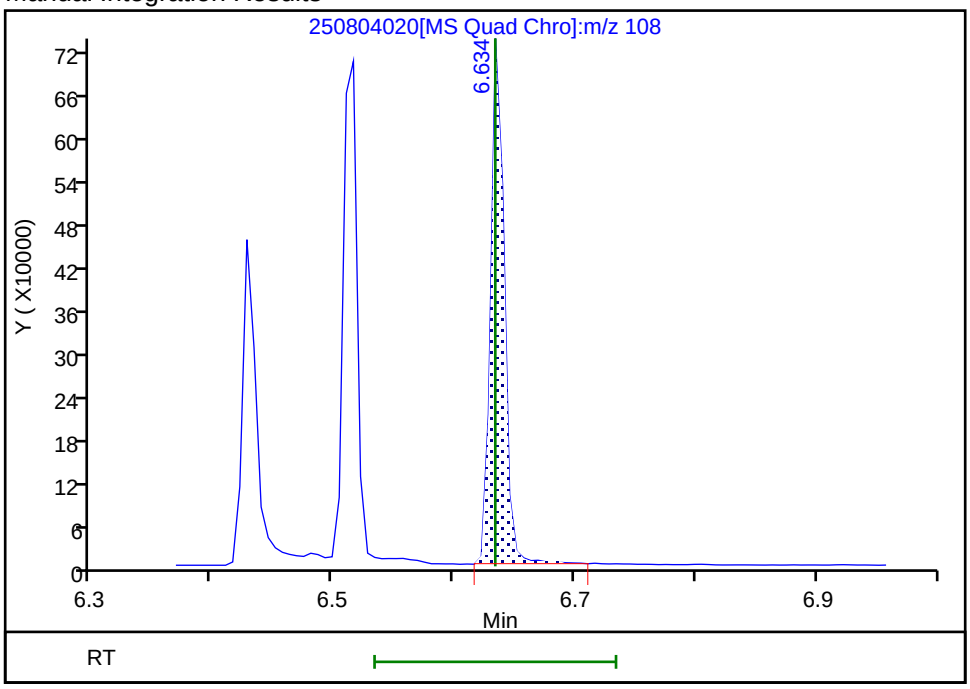
Not Detected
Expected RT: 6.63

Processing Integration Results



Manual Integration Results

RT: 6.63
Area: 579557
Amount: 1239.8006
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:22:15 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A MSD | Lab Sample ID: 240-229857-4 MSD

Matrix: Water | Lab File ID: 250804021.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 270.5(mL) | Date Analyzed: 08/04/2025 14:53

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
99-35-4	1,3,5-Trinitrobenzene	9.2	U	9.2	2.8
130-15-4	1,4-Naphthoquinone	9.2	U	9.2	2.8
134-32-7	1-Naphthylamine	9.2	U	9.2	2.8
105-67-9	2,4-Dimethylphenol	19.6		9.2	2.8
51-28-5	2,4-Dinitrophenol	46.3		9.2	5.7
53-96-3	2-Acetylaminofluorene	9.2	U	9.2	2.8
91-59-8	2-Naphthylamine	9.2	U	9.2	6.5
109-06-8	2-Picoline	9.2	U	9.2	0.92
91-94-1	3,3'-Dichlorobenzidine	57.8		9.2	2.8
119-93-7	3,3'-Dimethylbenzidine	9.2	U	9.2	3.0
56-49-5	3-Methylcholanthrene	9.2	U	9.2	0.92
99-09-2	3-Nitroaniline	15.6		9.2	1.8
534-52-1	4,6-Dinitro-2-methylphenol	53.0		9.2	2.8
92-67-1	4-Aminobiphenyl	9.2	U	9.2	2.8
106-47-8	4-Chloroaniline	17.3		9.2	3.0
100-01-6	4-Nitroaniline	23.9		9.2	1.4
56-57-5	4-Nitroquinoline-1-oxide	46	U	46	4.6
57-97-6	7,12-Dimethylbenz(a)anthracene	9.2	U	9.2	1.7
98-86-2	Acetophenone	28.3		9.2	0.92
62-53-3	Aniline	22.0		9.2	1.0
140-57-8	Aramite, Total	9.2	U	9.2	3.4
100-51-6	Benzyl alcohol	25.5		9.2	2.8
111-91-1	Bis(2-chloroethoxy)methane	23.4		0.92	0.46
111-44-4	Bis(2-chloroethyl)ether	26.9		0.92	0.46
85-68-7	Butyl benzyl phthalate	26.6		9.2	0.65
510-15-6	Chlorobenzilate	9.2	U	9.2	2.8
84-74-2	Di-n-butyl phthalate	28.6		9.2	1.7
298-04-4	Disulfoton	9.2	U	9.2	2.8
56-38-2	Ethyl Parathion	9.2	U	9.2	2.8
52-85-7	Famphur	9.2	U	9.2	4.6
77-47-4	Hexachlorocyclopentadiene	21.4		9.2	2.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A MSD | Lab Sample ID: 240-229857-4 MSD

Matrix: Water | Lab File ID: 250804021.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 270.5(mL) | Date Analyzed: 08/04/2025 14:53

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-72-1	Hexachloroethane	22.0		9.2	0.37
78-59-1	Isophorone	24.9		9.2	0.46
120-58-1	Isosafrole	4.6	U	4.6	1.5
91-80-5	Methapyrilene	9.2	U	9.2	2.8
66-27-3	Methyl methanesulfonate	9.2	U	9.2	0.92
298-00-0	Methyl parathion	9.2	U	9.2	3.0
924-16-3	N-Nitrosodi-n-butylamine	9.2	U	9.2	2.8
621-64-7	N-Nitrosodi-n-propylamine	28.2		9.2	0.46
86-30-6	N-Nitrosodiphenylamine	25.7		9.2	0.54
10595-95-6	N-Nitrosomethylethylamine	9.2	U	9.2	0.92
930-55-2	N-Nitrosopyrrolidine	9.2	U	9.2	0.46
60-11-7	p-Dimethylamino azobenzene	9.2	U	9.2	2.8
106-50-3	p-Phenylene diamine	140	U	140	24
23950-58-5	Pronamide	4.6	U	4.6	1.4
110-86-1	Pyridine	13.9		9.2	1.8
95-53-4	2-Toluidine	9.2	U	9.2	3.7
100-02-7	4-Nitrophenol	43.9		9.2	2.8
95-95-4	2,4,5-Trichlorophenol	27.0		9.2	1.8
120-83-2	2,4-Dichlorophenol	28.5		9.2	1.5
59-50-7	4-Chloro-3-methylphenol	26.0		9.2	0.92
88-75-5	2-Nitrophenol	27.6		9.2	1.2
88-06-2	2,4,6-Trichlorophenol	26.7		9.2	1.7
95-48-7	2-Methylphenol	27.7		9.2	0.89
87-65-0	2,6-Dichlorophenol	26.0		9.2	1.3
95-57-8	2-Chlorophenol	32.1		9.2	0.92
108-95-2	Phenol	23.9		9.2	0.71
58-90-2	2,3,4,6-Tetrachlorophenol	26.4		9.2	1.7
15831-10-4	3 & 4 Methylphenol	26.1		18	2.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland | Job No.: 240-229857-1

SDG No.:

Client Sample ID: 16WC1A MSD | Lab Sample ID: 240-229857-4 MSD

Matrix: Water | Lab File ID: 250804021.D

Analysis Method: 8270E | Date Collected: 07/30/2025 11:05

Extract. Method: 3510C LVI | Date Extracted: 08/01/2025 08:55

Sample wt/vol: 270.5(mL) | Date Analyzed: 08/04/2025 14:53

Con. Extract Vol.: 5(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 666181 | Units: ug/L

Preparation Batch No.: 666059 | Instrument ID: A4AG3

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14 (Surr)	89		43-136
4165-62-2	Phenol-d5 (Surr)	78		10-120
4165-60-0	Nitrobenzene-d5 (Surr)	83		40-120
367-12-4	2-Fluorophenol (Surr)	123		10-127
321-60-8	2-Fluorobiphenyl (Surr)	80		41-120
118-79-6	2,4,6-Tribromophenol (Surr)	84		23-127

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D
Lims ID: 240-229857-E-4-C MSD
Client ID: 16WC1A
Sample Type: MSD
Inject. Date: 04-Aug-2025 14:53:27 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-4-C MSD
Misc. Info.: 240-0157591-021
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 13:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: D9AH Date: 05-Aug-2025 11:26:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.334	6.334	0.000	97	117639	400.0	400.0	
* 2 Naphthalene-d8	136	7.404	7.399	0.005	100	586798	400.0	400.0	
* 3 Acenaphthene-d10	164	8.881	8.881	0.000	91	316438	400.0	400.0	
* 4 Phenanthrene-d10	188	10.134	10.134	0.000	98	467724	400.0	400.0	
* 5 Chrysene-d12	240	12.781	12.781	0.000	98	370695	400.0	400.0	
* 6 Perylene-d12	264	14.939	14.939	0.000	97	348960	400.0	400.0	
$ 7 2-Fluorophenol	112	5.240	5.234	0.006	93	557517	1600.0	1961.3	
$ 8 Phenol-d5	99	5.999	5.999	0.000	0	575195	1600.0	1250.7	
$ 9 Nitrobenzene-d5	82	6.787	6.792	0.000	92	806080	1600.0	1325.4	
$ 10 2-Fluorobiphenyl (Surr)	172	8.287	8.287	0.000	100	1321296	1600.0	1278.7	
$ 11 2,4,6-Tribromophenol	330	9.546	9.546	0.000	92	145560	1600.0	1349.9	
$ 12 Terphenyl-d14	244	11.510	11.504	0.006	98	1331279	1600.0	1424.1	
15 Pyridine	79	4.028	3.999	0.029	85	222580	3200.0	750.5	
18 2-Picoline	93		4.805					ND	
19 N-Nitrosomethylethylamine	88		4.881					ND	
22 Methyl methanesulfonate	80		5.128					ND	
27 Phenol	94	6.010	6.010	0.000	98	619097	1600.0	1294.9	a
29 Aniline	93	6.052	6.052	0.000	97	874805	1600.0	1192.3	
30 Bis(2-chloroethyl)ether	93	6.087	6.087	0.006	96	697322	1600.0	1457.9	
32 2-Chlorophenol	128	6.163	6.163	0.000	96	709715	1600.0	1736.1	a
37 Benzyl alcohol	108	6.428	6.428	0.000	92	437793	1600.0	1377.0	
40 2-Methylphenol	108	6.516	6.516	0.006	93	650179	1600.0	1501.2	a
45 3 & 4 Methylphenol	108	6.634	6.634	0.000	91	639767	1600.0	1413.9	a
46 N-Nitrosodi-n-propylamine	70	6.640	6.640	0.000	92	483330	1600.0	1528.3	
48 Acetophenone	105	6.652	6.652	0.000	95	976996	1600.0	1531.9	
43 N-Nitrosopyrrolidine	100		6.675					ND	
47 2-Toluidine	106		6.734					ND	
49 Hexachloroethane	117	6.769	6.769	0.000	94	238139	1600.0	1190.3	
53 Isophorone	82	6.993	6.993	0.000	99	1444631	1600.0	1346.4	
55 2-Nitrophenol	139	7.069	7.069	0.000	96	381495	1600.0	1491.7	a
54 2,4-Dimethylphenol	107	7.081	7.087	0.000	96	538011	1600.0	1062.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ng/ml	OnCol Amt ng/ml	Flags
58 Bis(2-chloroethoxy)methane	93	7.152	7.157	0.000	99	843544	1600.0	1267.0	
61 2,4-Dichlorophenol	162	7.275	7.275	0.006	96	562768	1600.0	1543.8	a
65 4-Chloroaniline	127	7.446	7.452	0.000	96	557282	1600.0	937.7	
66 2,6-Dichlorophenol	162	7.457	7.457	0.000	96	544846	1600.0	1408.4	a
70 N-Nitrosodi-n-butylamine	84		7.652					ND	U
71 p-Phenylene diamine	108		7.781					ND	
73 4-Chloro-3-methylphenol	107	7.834	7.834	0.000	97	631541	1600.0	1407.0	a
75 Isosafrole Peak 1	162		8.093					ND	U
82 Hexachlorocyclopentadiene	237	8.134	8.134	0.000	96	267411	1600.0	1159.2	
85 2,4,6-Trichlorophenol	196	8.222	8.222	0.000	93	371546	1600.0	1444.2	a
86 2,4,5-Trichlorophenol	196	8.257	8.257	-0.006	92	403191	1600.0	1458.2	a
87 Isosafrole Peak 2	162		8.263					ND	U
92 1,4-Naphthoquinone	158		8.487					ND	
98 3-Nitroaniline	138	8.816	8.816	0.000	94	205507	1600.0	843.9	
99 2,4-Dinitrophenol	184	8.904	8.899	0.005	82	336069	3200.0	2506.7	
101 4-Nitrophenol	109	8.940	8.934	0.006	93	378991	3200.0	2376.0	
106 1-Naphthylamine	143		9.122					ND	
108 2,3,4,6-Tetrachlorophenol	232	9.151	9.151	-0.001	79	277439	1600.0	1427.9	a
109 2-Naphthylamine	143		9.157					ND	U
115 4-Nitroaniline	138	9.334	9.334	0.000	85	306874	1600.0	1291.3	
117 4,6-Dinitro-2-methylphenol	198	9.357	9.357	0.000	82	478762	3200.0	2866.6	
113 N-Nitro-o-toluidine	152		9.375					ND	U
118 N-Nitrosodiphenylamine	169	9.410	9.416	0.000	100	973885	1600.0	1391.0	
123 1,3,5-Trinitrobenzene	213		9.616					ND	
134 Pronamide	173		9.922					ND	U
132 4-Aminobiphenyl	169		9.958					ND	U
137 Disulfoton	88		10.093					ND	
143 Methyl parathion	109		10.457					ND	U
144 Di-n-butyl phthalate	149	10.551	10.557	0.000	100	2300394	1600.0	1545.4	
145 Ethyl Parathion	97		10.675					ND	U
146 4-Nitroquinoline-1-oxide	190		10.799					ND	
147 Methapyrilene	58		10.840					ND	
152 Aramite Peak 1	185		11.451					ND	U
153 Aramite Peak 2	185		11.528					ND	U
154 p-Dimethylamino azobenzene	225		11.710					ND	
155 Chlorobenzilate	139		11.740					ND	
157 Butyl benzyl phthalate	149	11.992	11.987	0.005	98	1038442	1600.0	1437.0	
156 Famphur	218		12.010					ND	
158 3,3'-Dimethylbenzidine	212		12.081					ND	
160 2-Acetylaminofluorene	181		12.393					ND	
163 3,3'-Dichlorobenzidine	252	12.698	12.687	0.006	76	1280755	3200.0	3129.2	
168 7,12-Dimethylbenz(a)anthracene	256		14.410					ND	
172 3-Methylcholanthrene	268		15.416					ND	
S 199 Isosafrole	162		5.181					ND	7
S 201 Aramite, Total	185		7.898					ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected
a - User Assigned ID

Reagents:

SMIS80PPMW_00035 Amount Added: 5.00 Units: uL Run Reagent

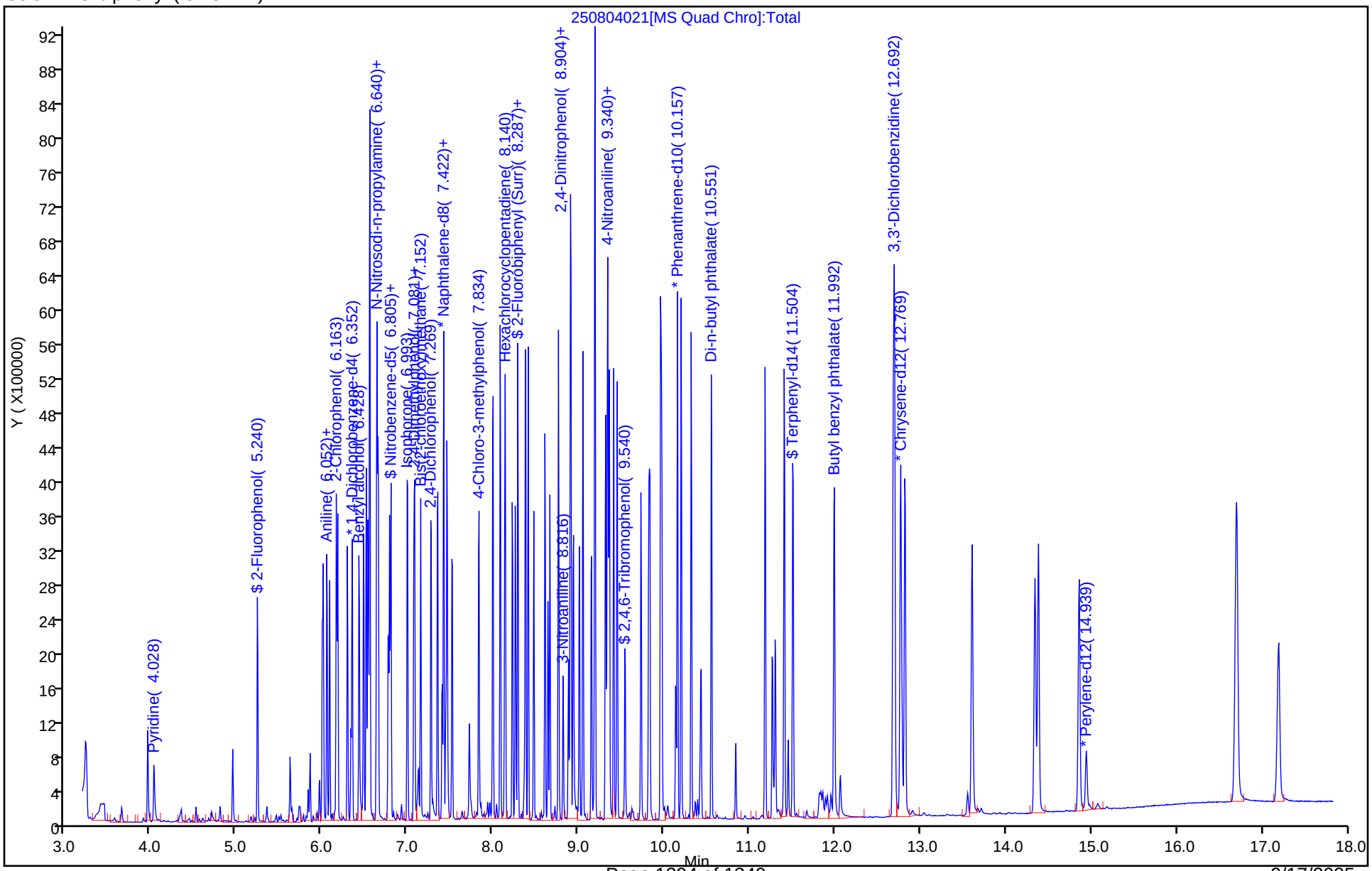
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Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D

Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3	Operator ID:	
Lims ID:	240-229857-E-4-C MSD			Worklist Smp#:	21
Client ID:	16WC1A				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		

Column: 5% phenyl (0.18 mm)



9/17/2025
1:48:31 PM

Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D
Lims ID: 240-229857-E-4-C MSD
Client ID: 16WC1A
Sample Type: MSD
Inject. Date: 04-Aug-2025 14:53:27 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 240-229857-E-4-C MSD
Misc. Info.: 240-0157591-021
Operator ID: Instrument ID: A4AG3

Method: \\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\LVI AG3 8270.m
Limit Group: MSS 8270D ICAL
Last Update: 08-Sep-2025 13:24:14 Calib Date: 29-Jun-2025 20:07:25
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A4AG3\20250629-156379.b\250629013.D

Column 1 : 5% phenyl (0.18 mm) Det: MS SCAN
Process Host: CTX1695

First Level Reviewer: D9AH Date: 05-Aug-2025 11:26:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1600.0	1961.3	122.58
$ 8 Phenol-d5	1600.0	1250.7	78.17
$ 9 Nitrobenzene-d5	1600.0	1325.4	82.84
$ 10 2-Fluorobiphenyl (Surr)	1600.0	1278.7	79.92
$ 11 2,4,6-Tribromophenol	1600.0	1349.9	84.37
$ 12 Terphenyl-d14	1600.0	1424.1	89.01

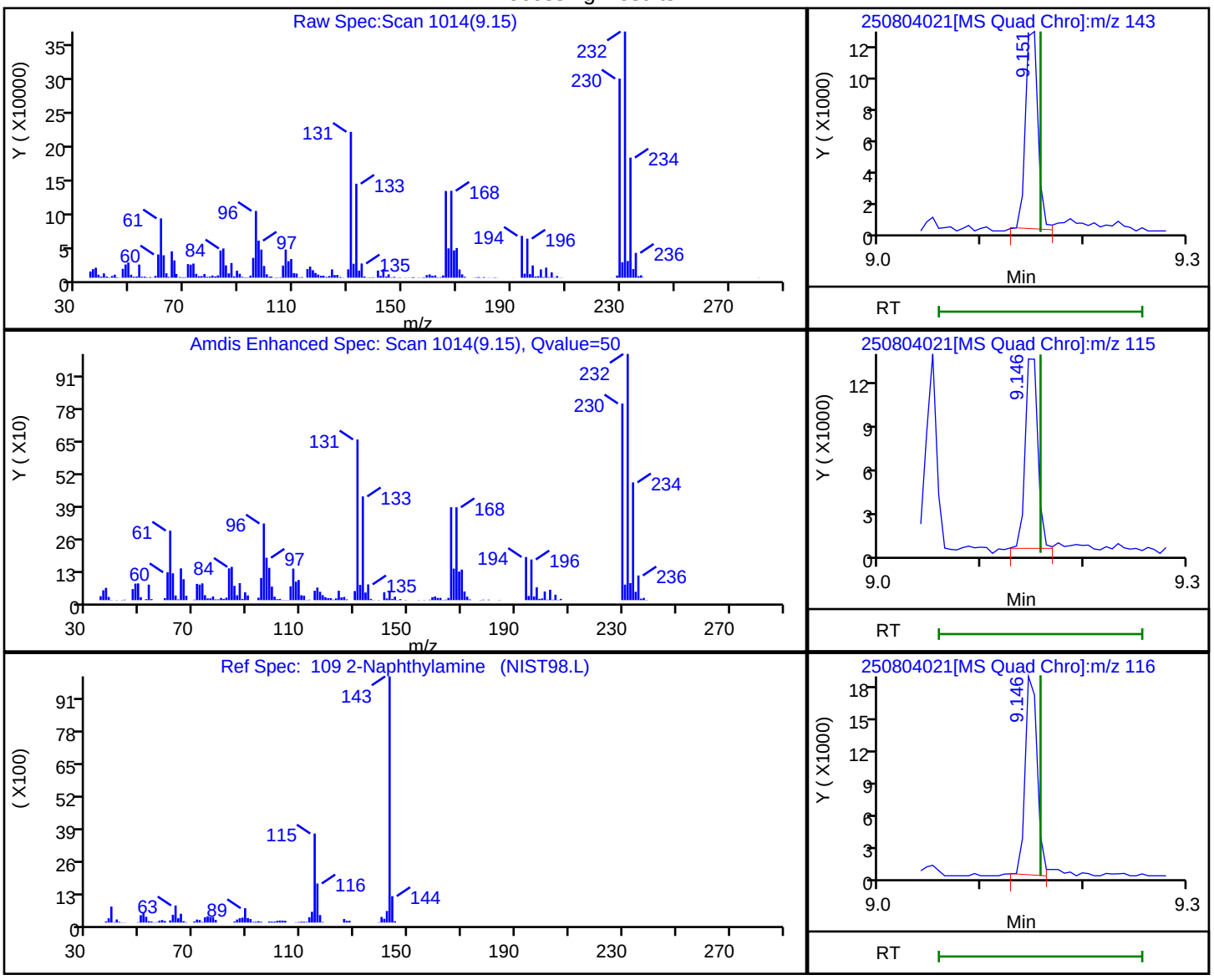
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

109 2-Naphthylamine, CAS: 91-59-8

Processing Results



RT	Mass	Response	Amount
9.15	143.00	10753	33.462851
9.15	115.00	10925	
9.15	116.00	14688	

Reviewer: D9AH, 05-Aug-2025 11:25:31 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

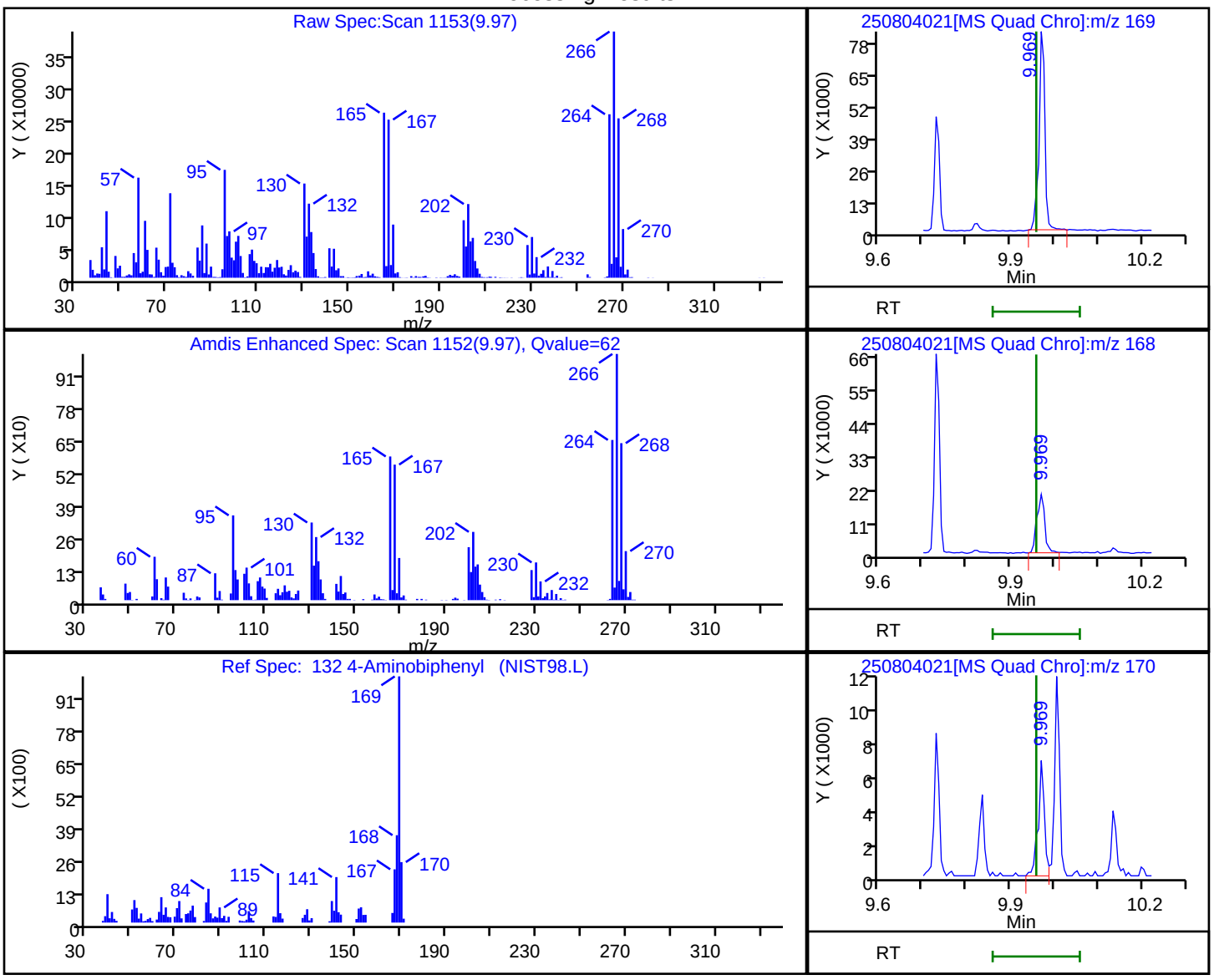
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Eurofins Cleveland

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Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

132 4-Aminobiphenyl, CAS: 92-67-1

Processing Results



RT	Mass	Response	Amount
9.97	169.00	77414	108.9024
9.97	168.00	24548	
9.97	170.00	6715	

Reviewer: D9AH, 05-Aug-2025 11:25:40 -04:00:00 (UTC)

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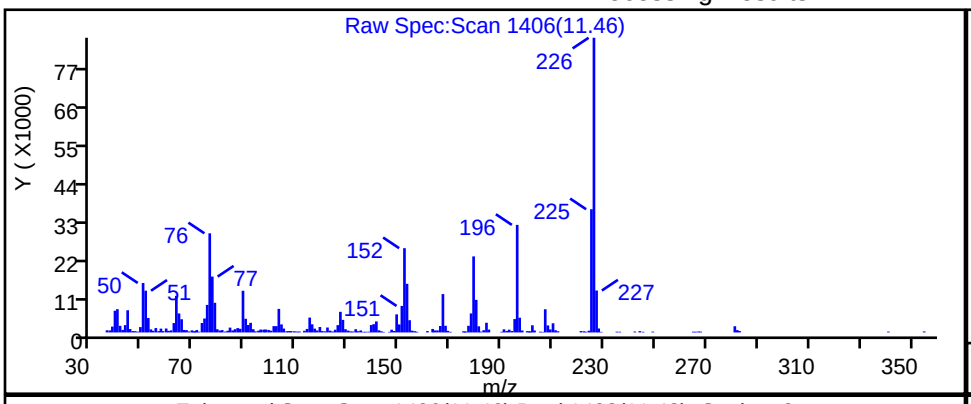
User Disabled Compound Report

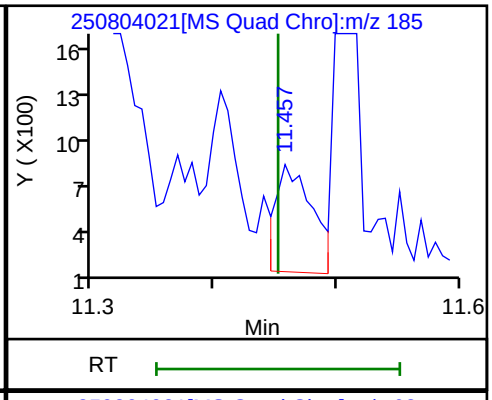
Eurofins Cleveland

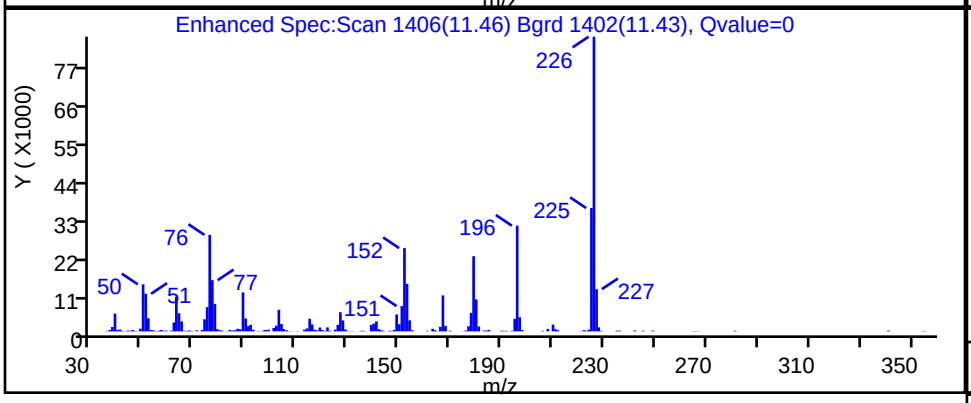
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Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

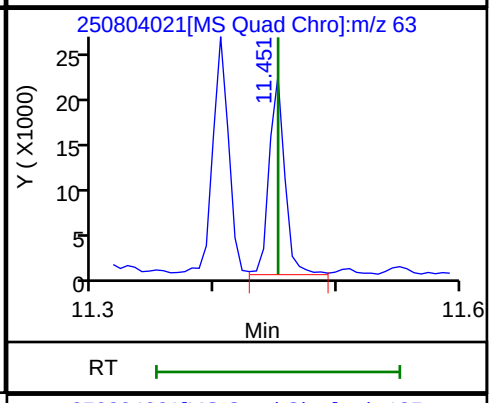
152 Aramite Peak 1, CAS: STL00690

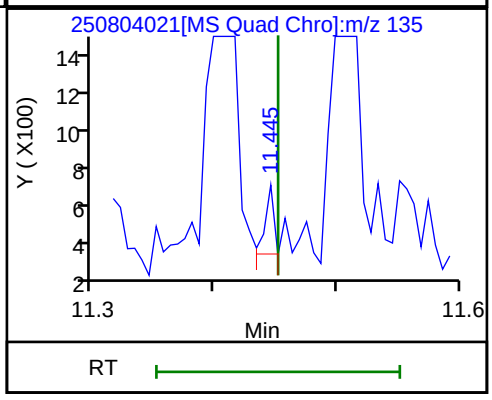
Processing Results











RT	Mass	Response	Amount
11.46	185.00	1445	36.639773
11.45	63.00	19658	
11.45	135.00	172	

Reviewer: D9AH, 05-Aug-2025 11:25:47 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

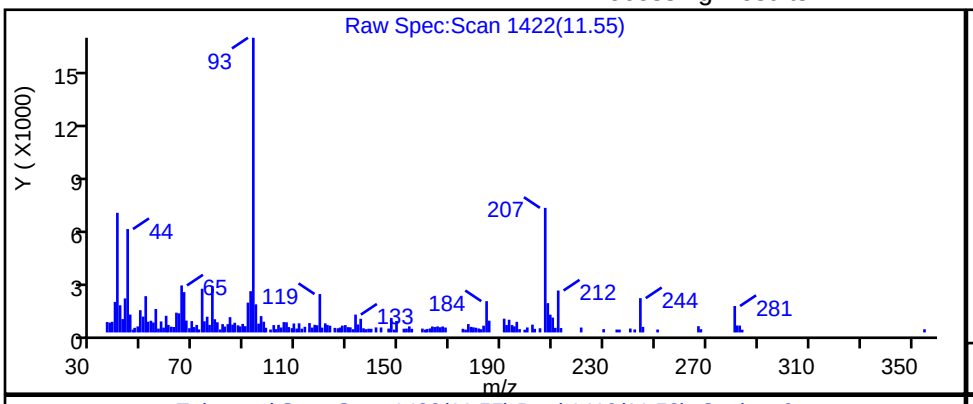
User Disabled Compound Report

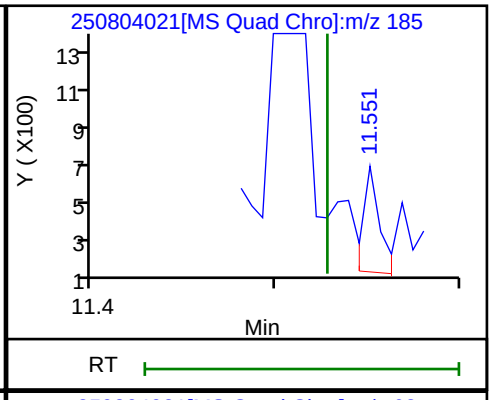
Eurofins Cleveland

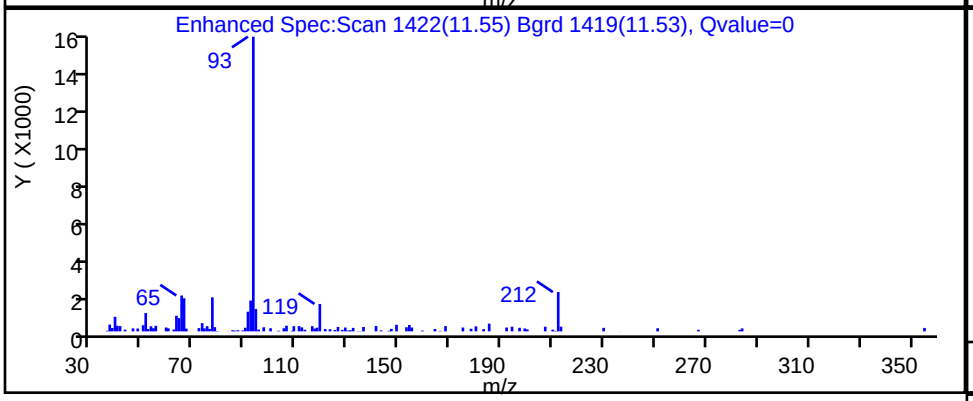
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Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

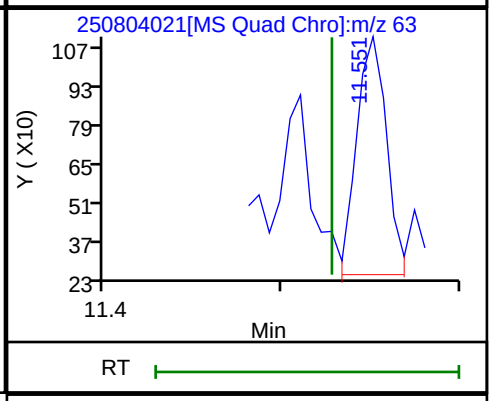
153 Aramite Peak 2, CAS: STL00691

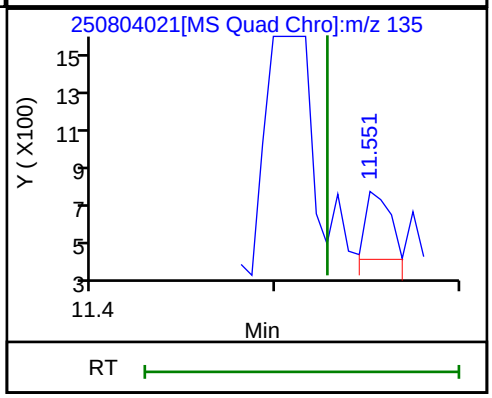
Processing Results











RT	Mass	Response	Amount
11.55	185.00	335	25.202601
11.55	63.00	1032	
11.55	135.00	300	

Reviewer: D9AH, 05-Aug-2025 11:25:48 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

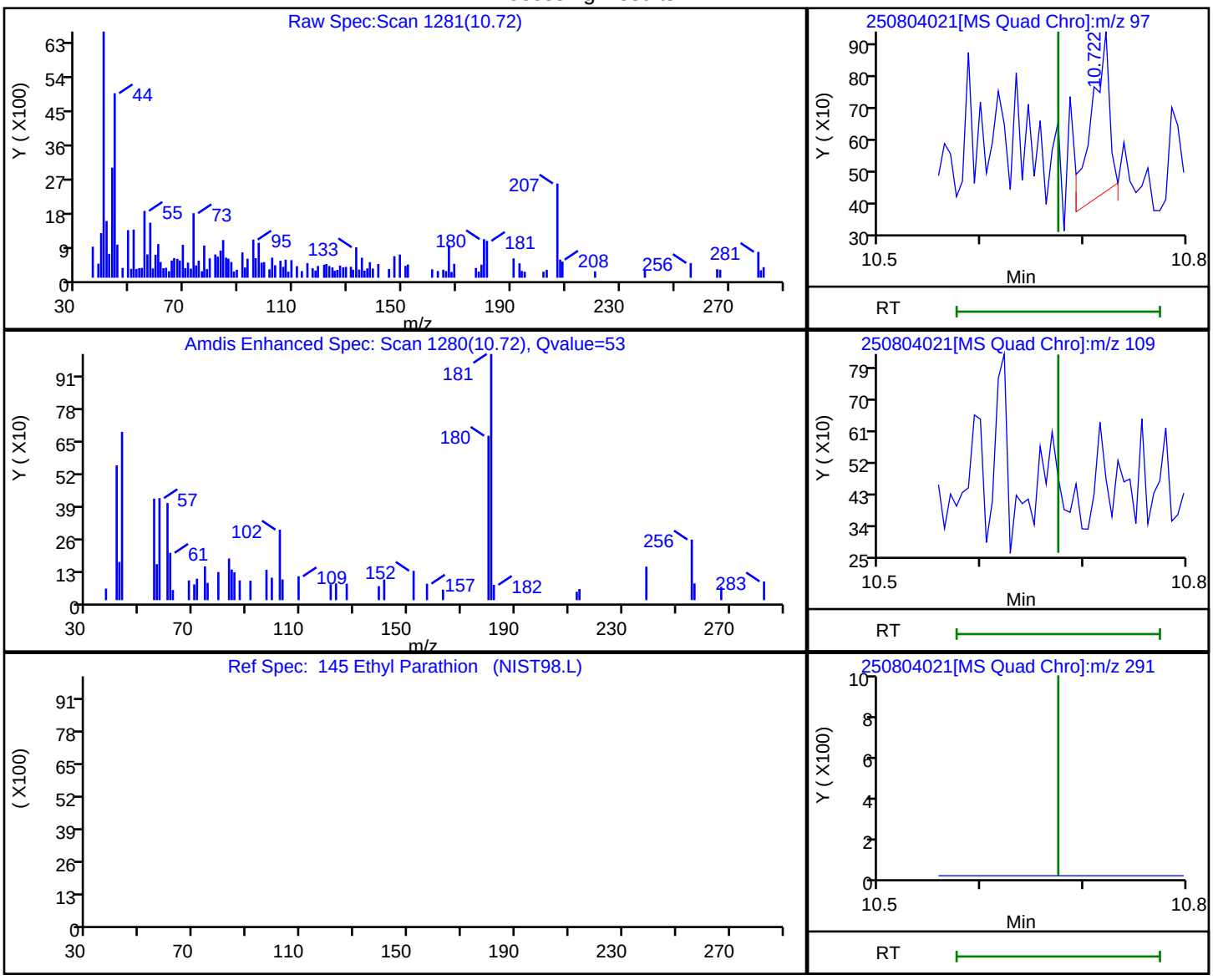
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

145 Ethyl Parathion, CAS: 56-38-2

Processing Results



RT	Mass	Response	Amount
10.72	97.00	605	51.568039
10.68	109.00	0	
10.68	291.00	0	

Reviewer: D9AH, 05-Aug-2025 11:25:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

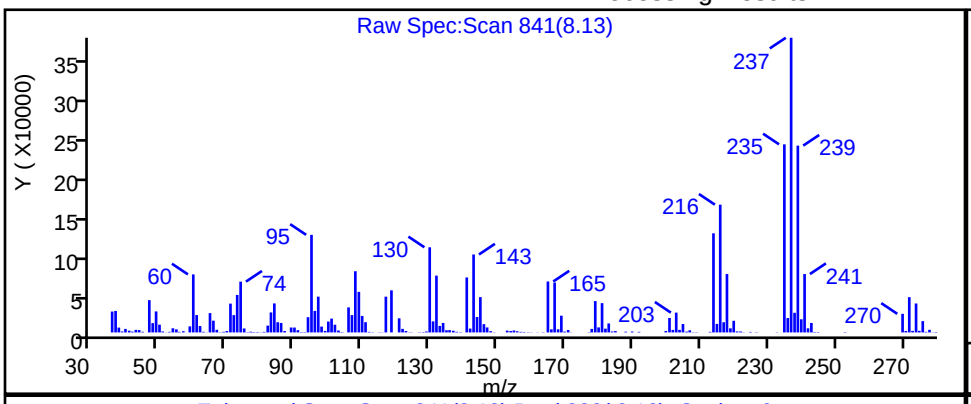
User Disabled Compound Report

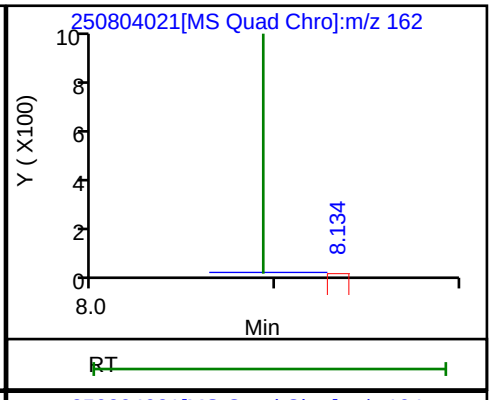
Eurofins Cleveland

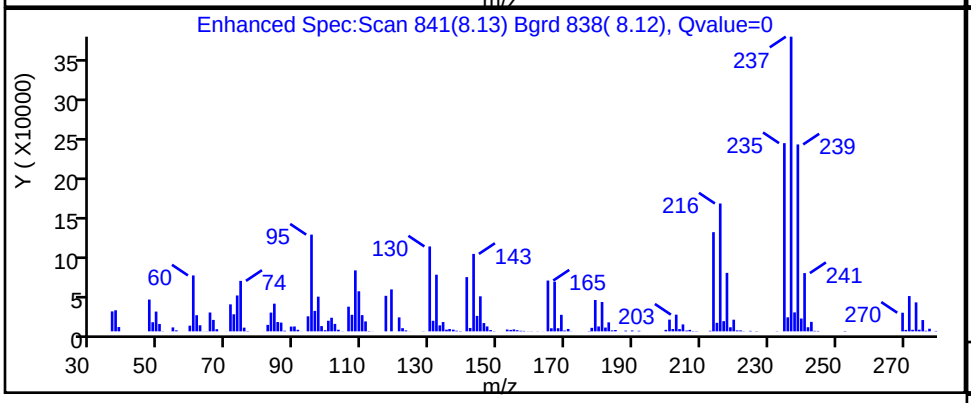
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

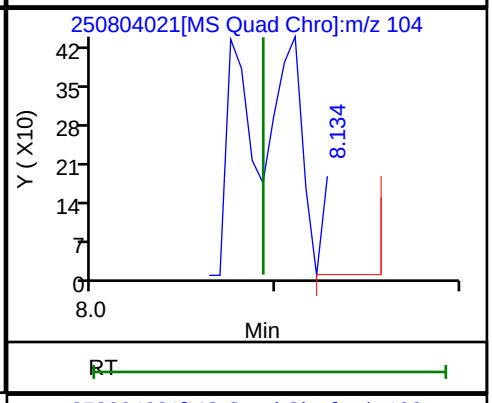
75 Isosafrole Peak 1, CAS: STL03315

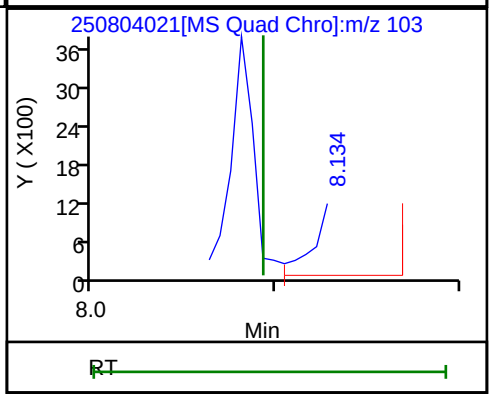
Processing Results











RT	Mass	Response	Amount
8.13	162.00	80	0.215517
8.13	104.00	432	
8.13	103.00	2760	

Reviewer: D9AH, 05-Aug-2025 11:25:25 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

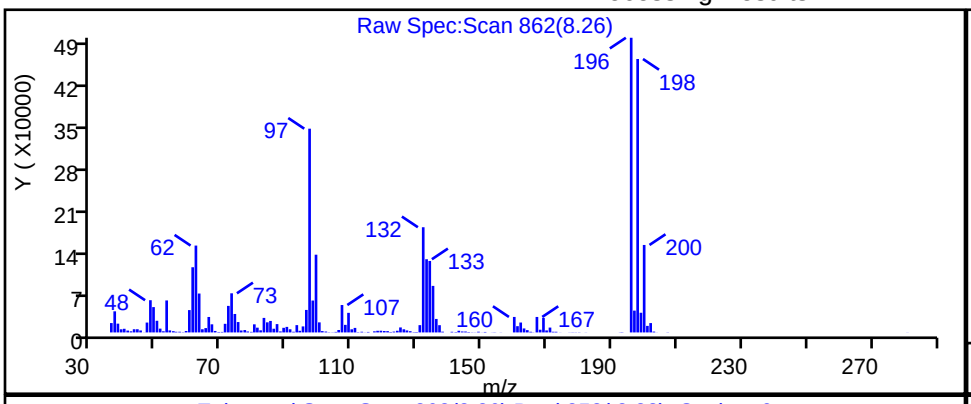
User Disabled Compound Report

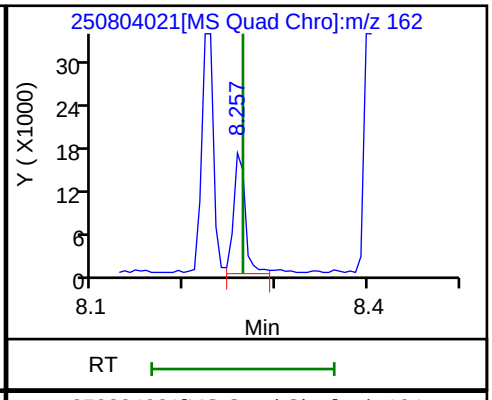
Eurofins Cleveland

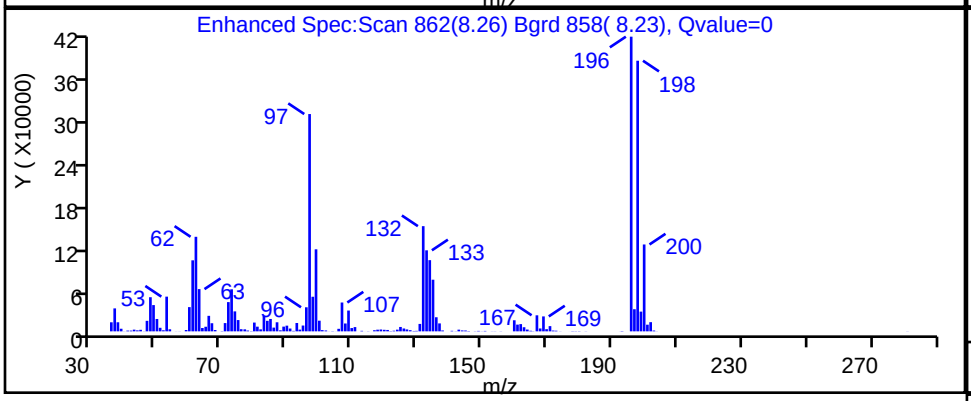
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

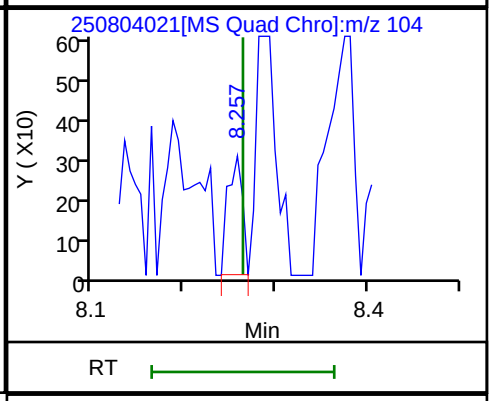
87 Isosafrole Peak 2, CAS: STL03316

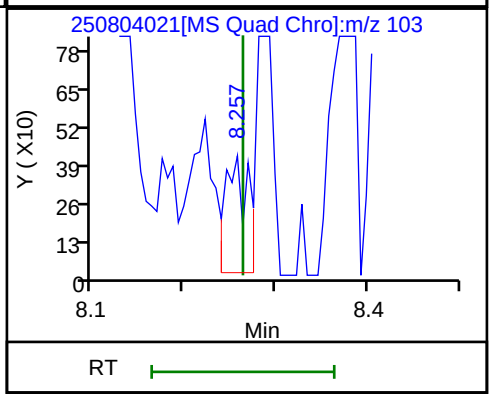
Processing Results











RT	Mass	Response	Amount
8.26	162.00	14585	35.827601
8.26	104.00	337	
8.26	103.00	715	

Reviewer: D9AH, 05-Aug-2025 11:25:27 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

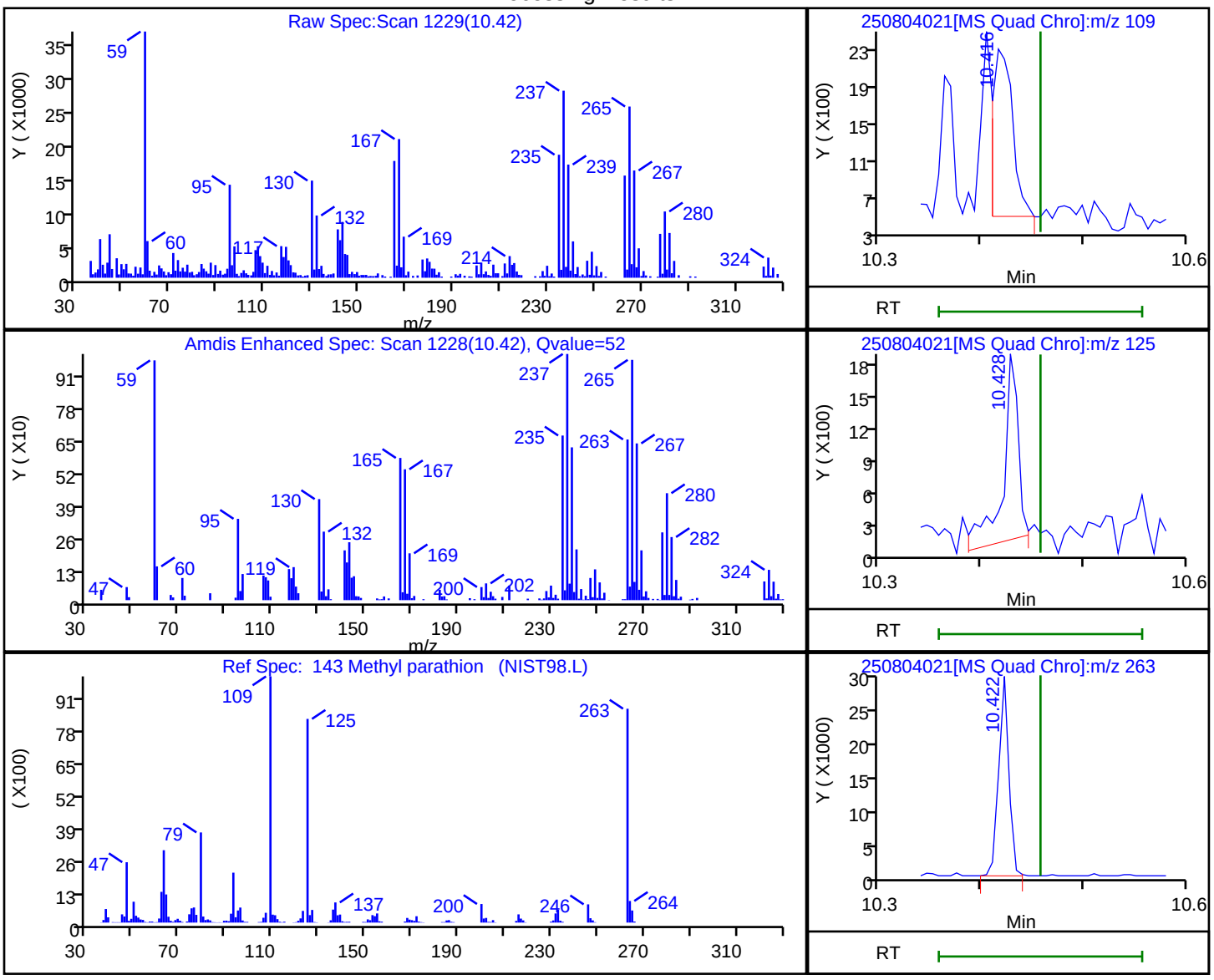
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

143 Methyl parathion, CAS: 298-00-0

Processing Results



RT	Mass	Response	Amount
10.42	109.00	2428	50.869210
10.43	125.00	1822	
10.42	263.00	20754	

Reviewer: D9AH, 05-Aug-2025 11:25:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

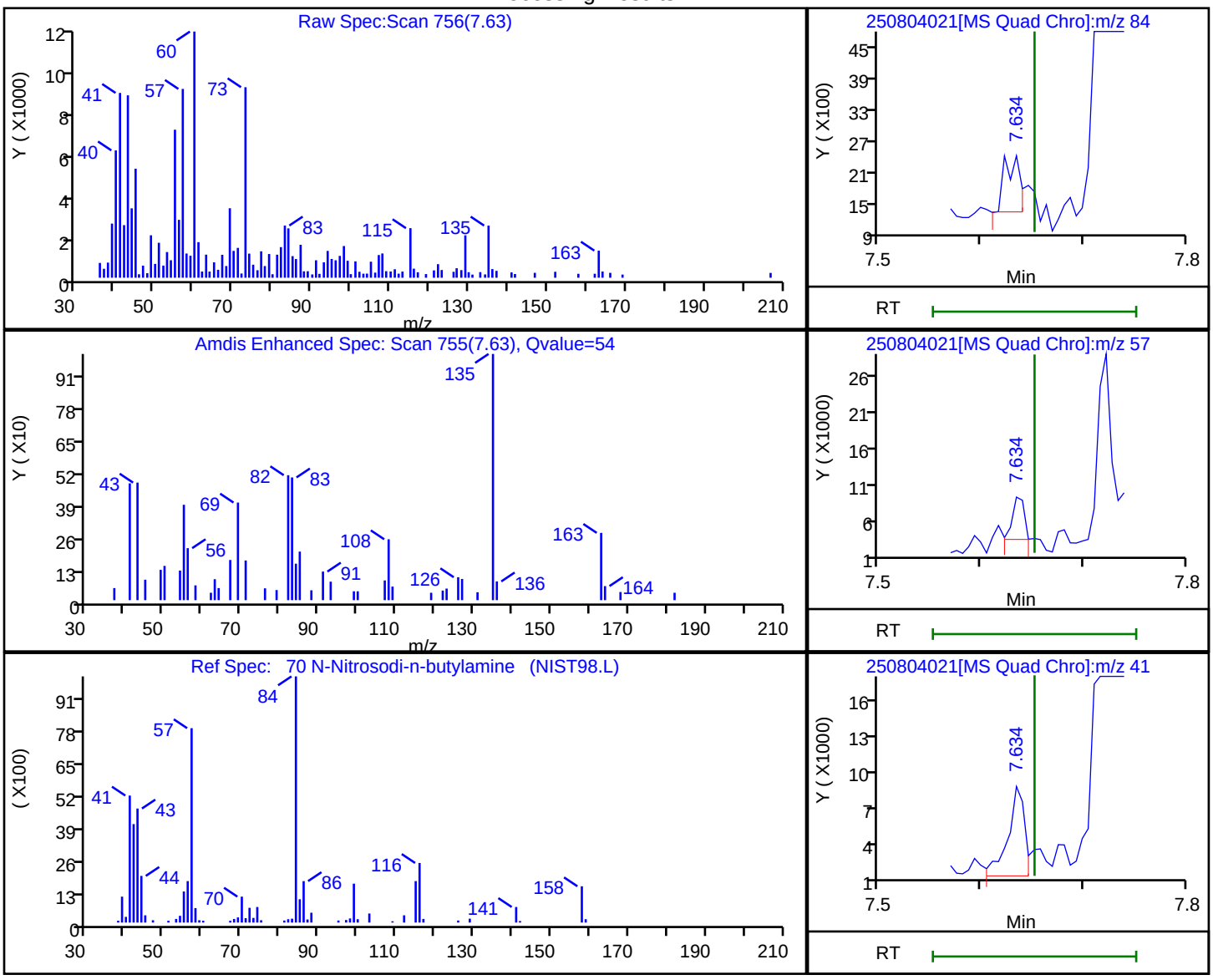
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

70 N-Nitrosodi-n-butylamine, CAS: 924-16-3

Processing Results



RT	Mass	Response	Amount
7.63	84.00	1155	3.474648
7.63	57.00	4557	
7.63	41.00	8265	

Reviewer: D9AH, 05-Aug-2025 11:25:23 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

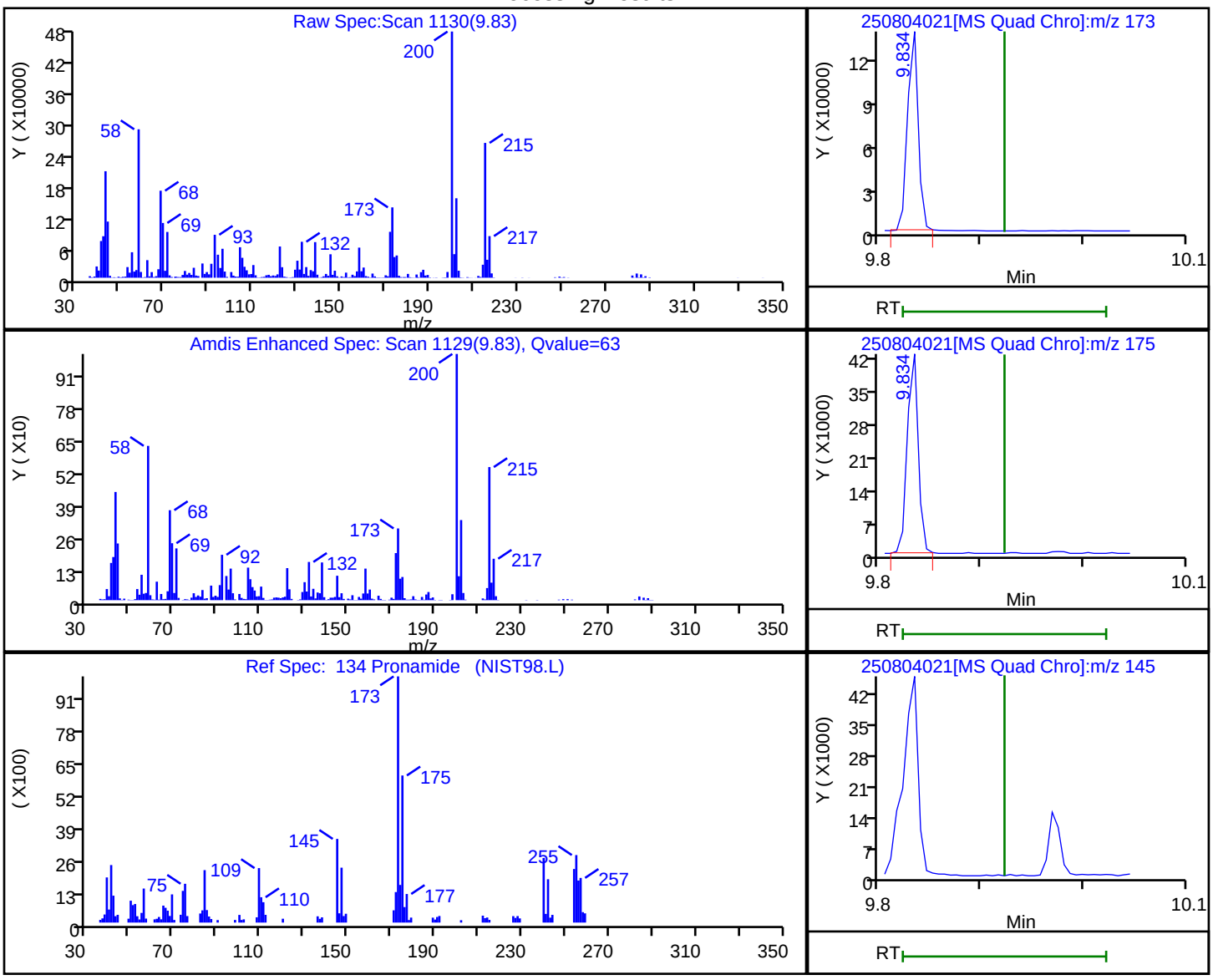
User Disabled Compound Report

Eurofins Cleveland

Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

134 Pronamide, CAS: 23950-58-5

Processing Results



RT	Mass	Response	Amount
9.83	173.00	98883	291.9949
9.83	175.00	32156	
9.83	145.00	46717	

Reviewer: D9AH, 05-Aug-2025 11:25:38 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Cleveland

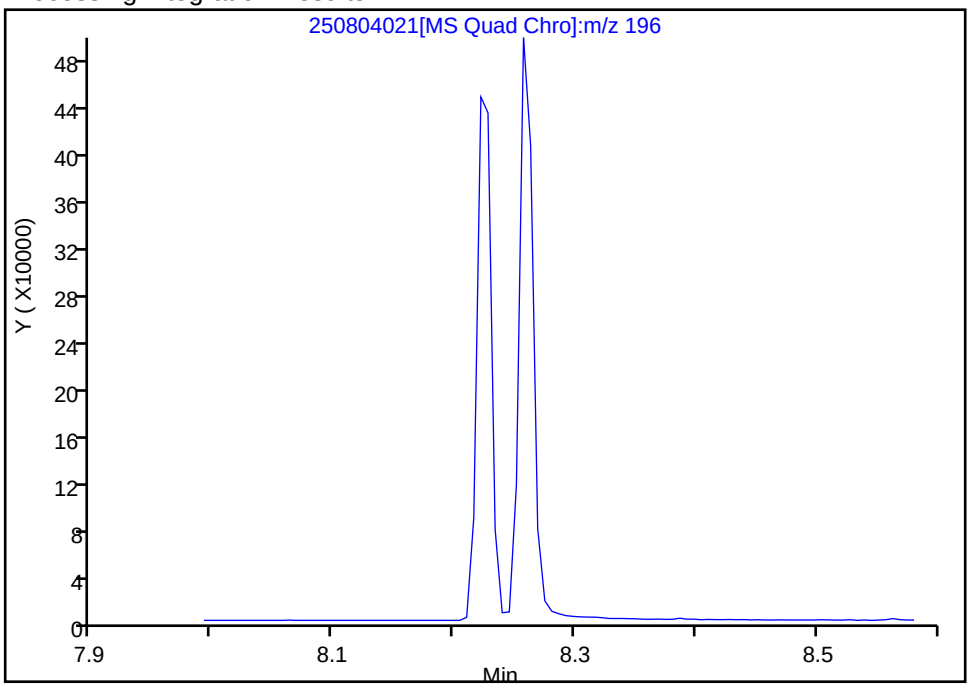
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Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

86 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

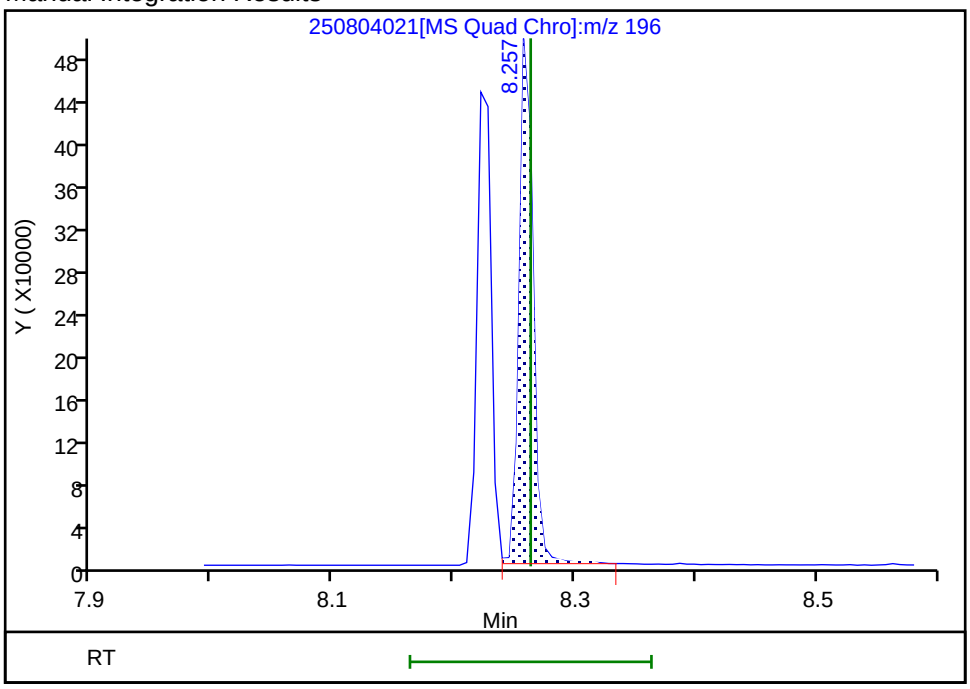
Not Detected
Expected RT: 8.26

Processing Integration Results



Manual Integration Results

RT: 8.26
Area: 403191
Amount: 1458.1837
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:15 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

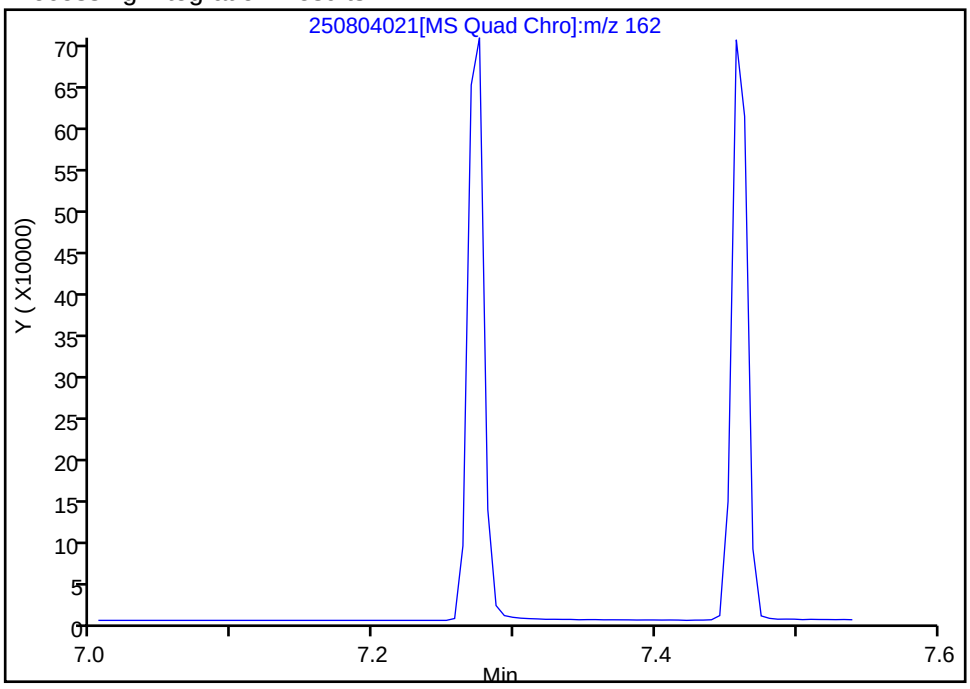
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

61 2,4-Dichlorophenol, CAS: 120-83-2

Signal: 1

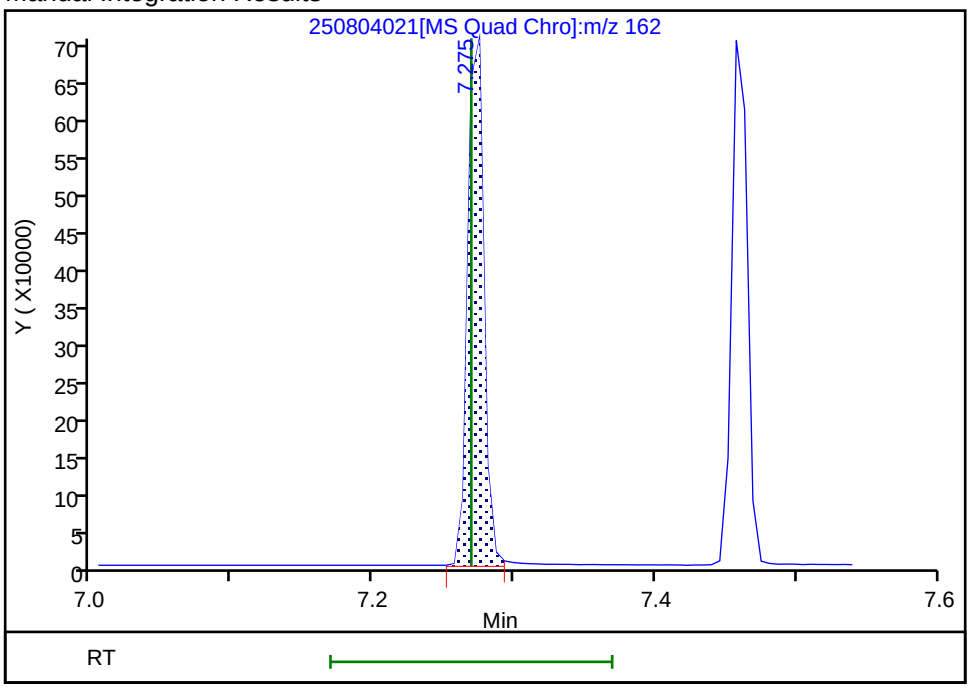
Not Detected
Expected RT: 7.27

Processing Integration Results



Manual Integration Results

RT: 7.28
Area: 562768
Amount: 1543.8343
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:37 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

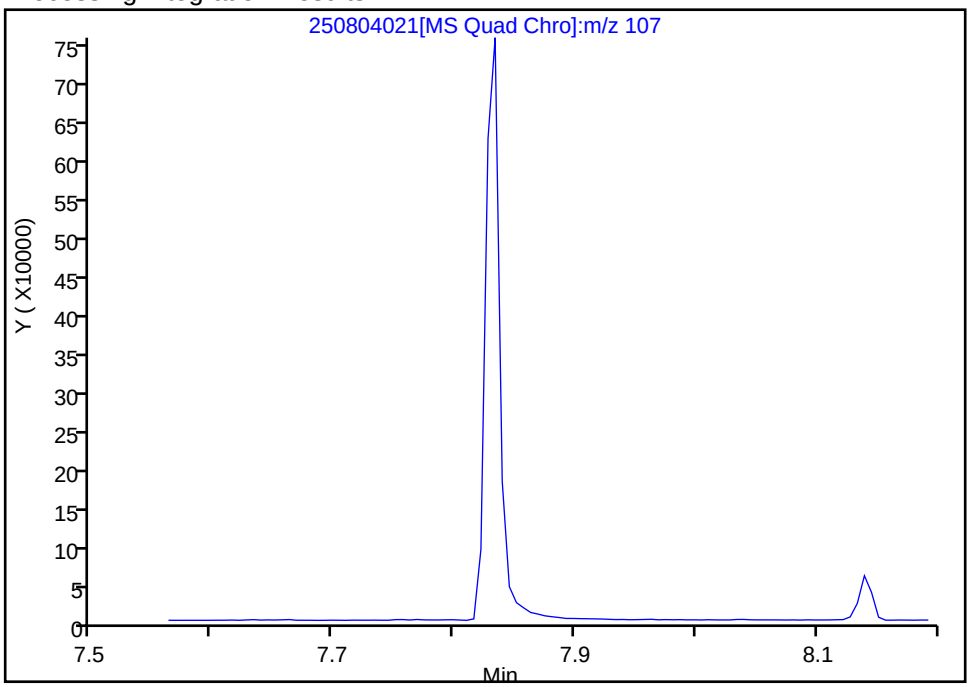
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Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

73 4-Chloro-3-methylphenol, CAS: 59-50-7

Signal: 1

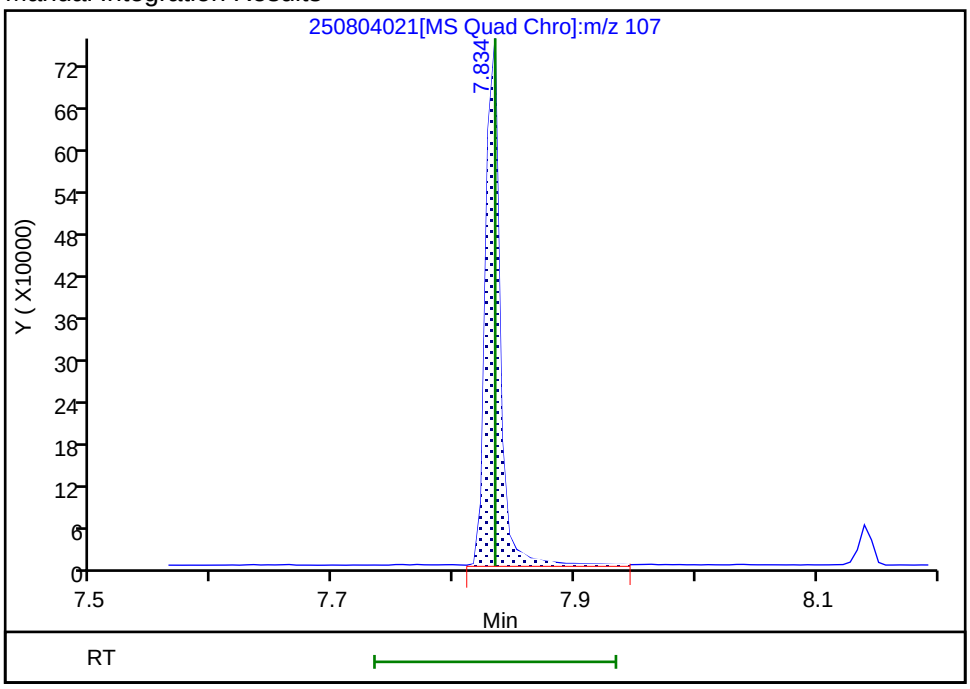
Not Detected
Expected RT: 7.83

Processing Integration Results



Manual Integration Results

RT: 7.83
Area: 631541
Amount: 1406.9807
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:26 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

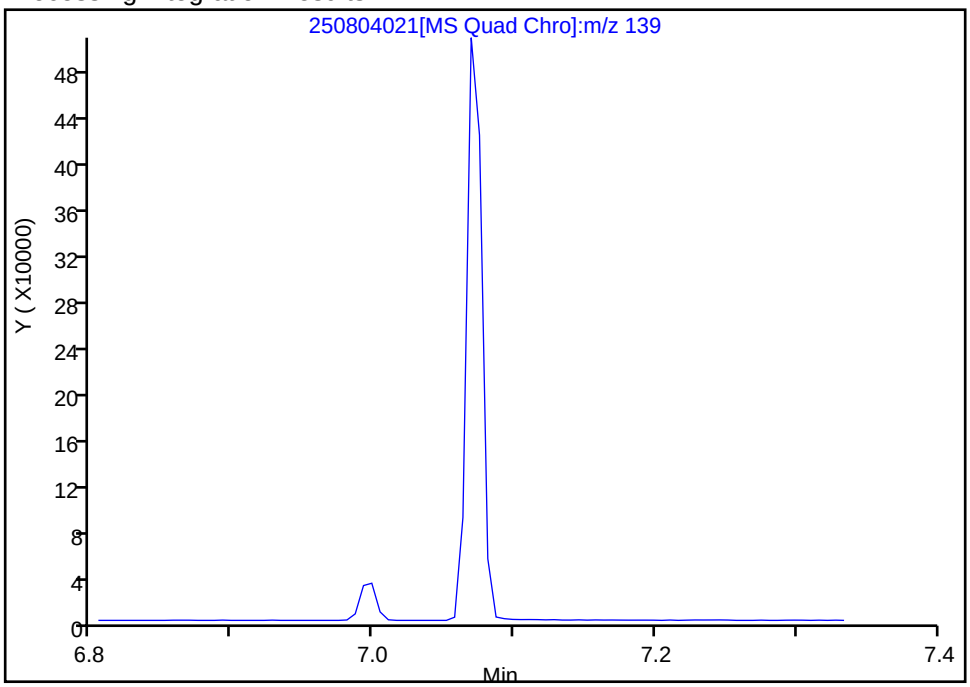
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Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

55 2-Nitrophenol, CAS: 88-75-5

Signal: 1

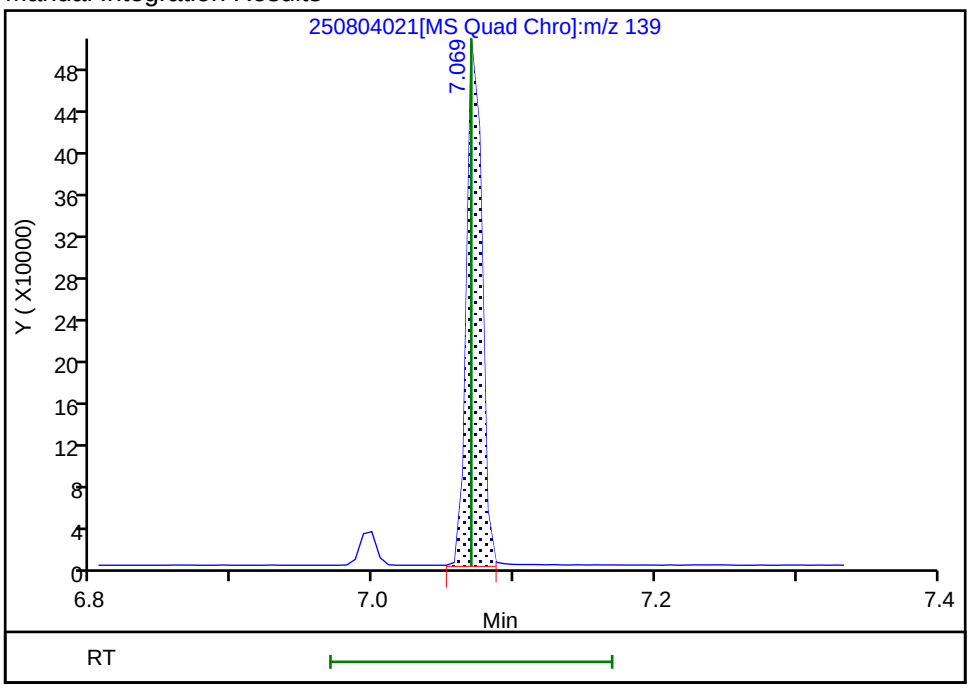
Not Detected
Expected RT: 7.07

Processing Integration Results



Manual Integration Results

RT: 7.07
Area: 381495
Amount: 1491.6931
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

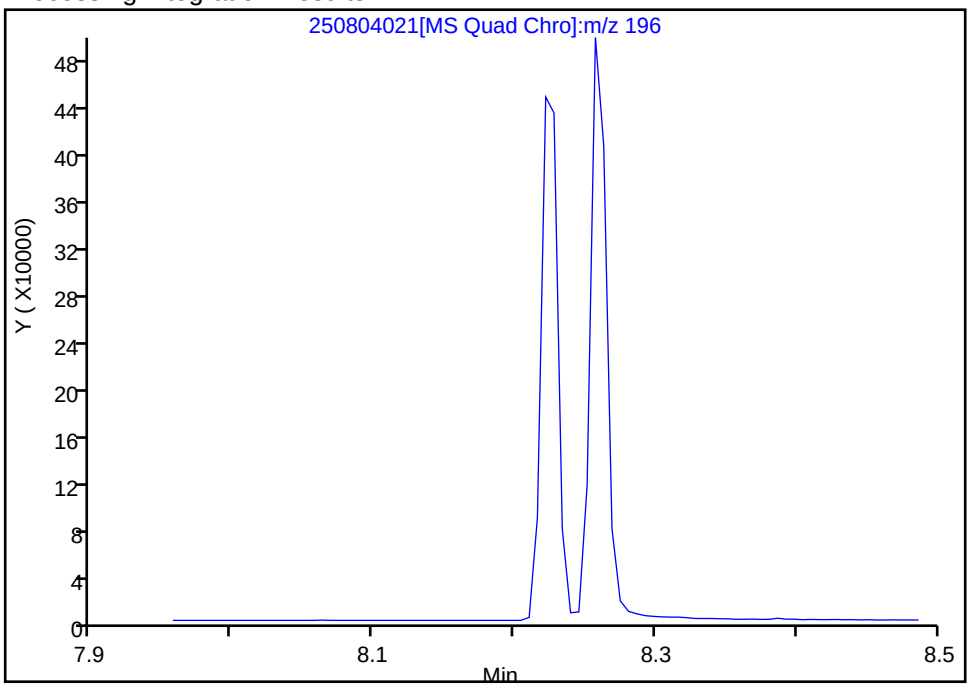
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Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

85 2,4,6-Trichlorophenol, CAS: 88-06-2

Signal: 1

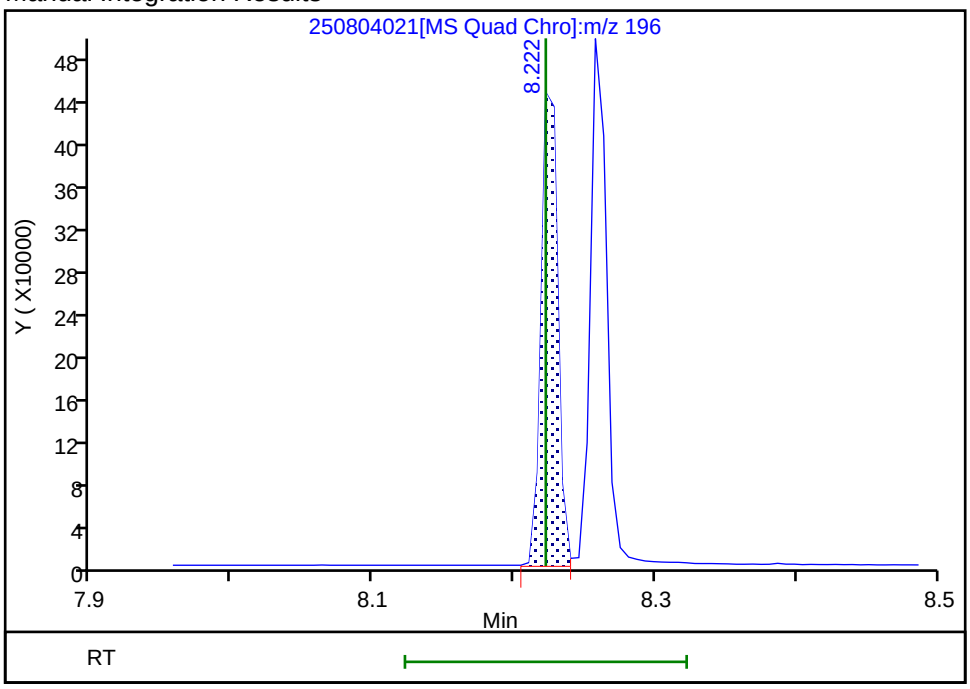
Not Detected
Expected RT: 8.22

Processing Integration Results



Manual Integration Results

RT:	8.22
Area:	371546
Amount:	1444.1537
Amount Units:	ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

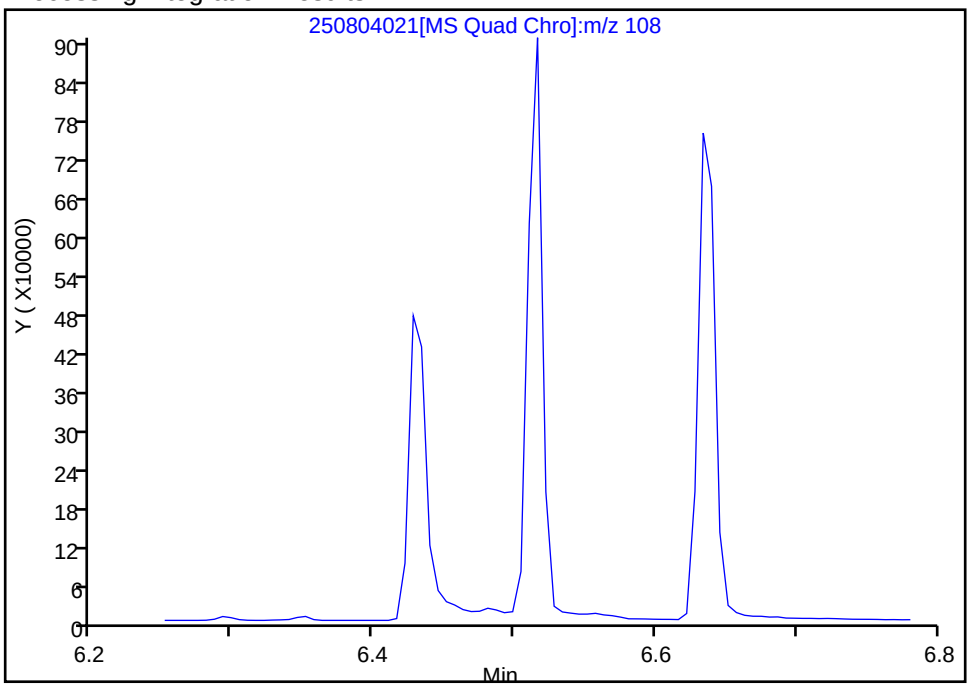
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Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

40 2-Methylphenol, CAS: 95-48-7

Signal: 1

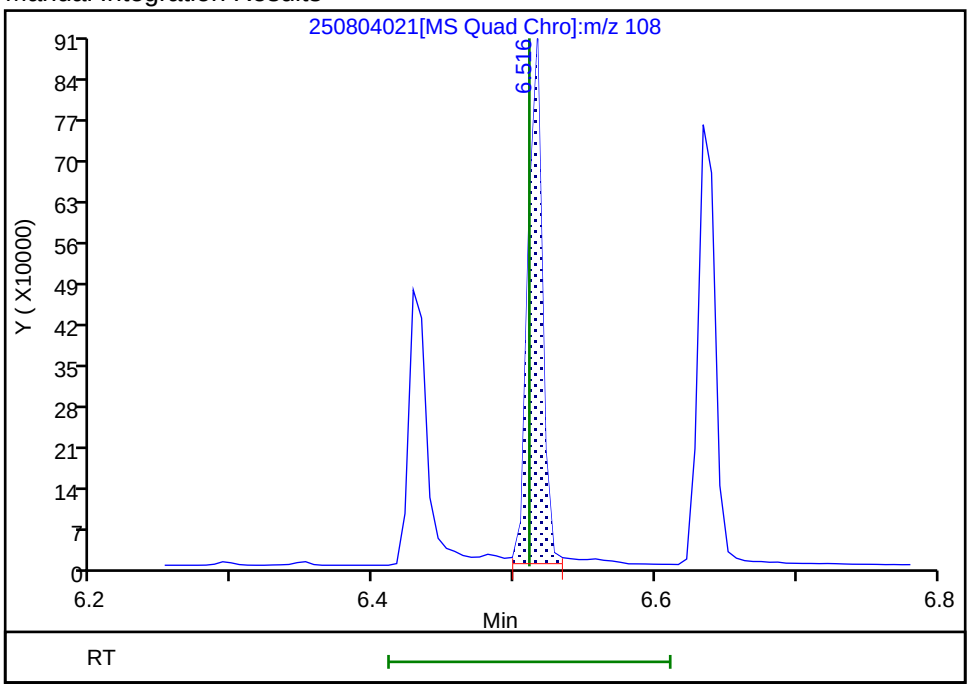
Not Detected
Expected RT: 6.51

Processing Integration Results



Manual Integration Results

RT: 6.52
Area: 650179
Amount: 1501.2227
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:54 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

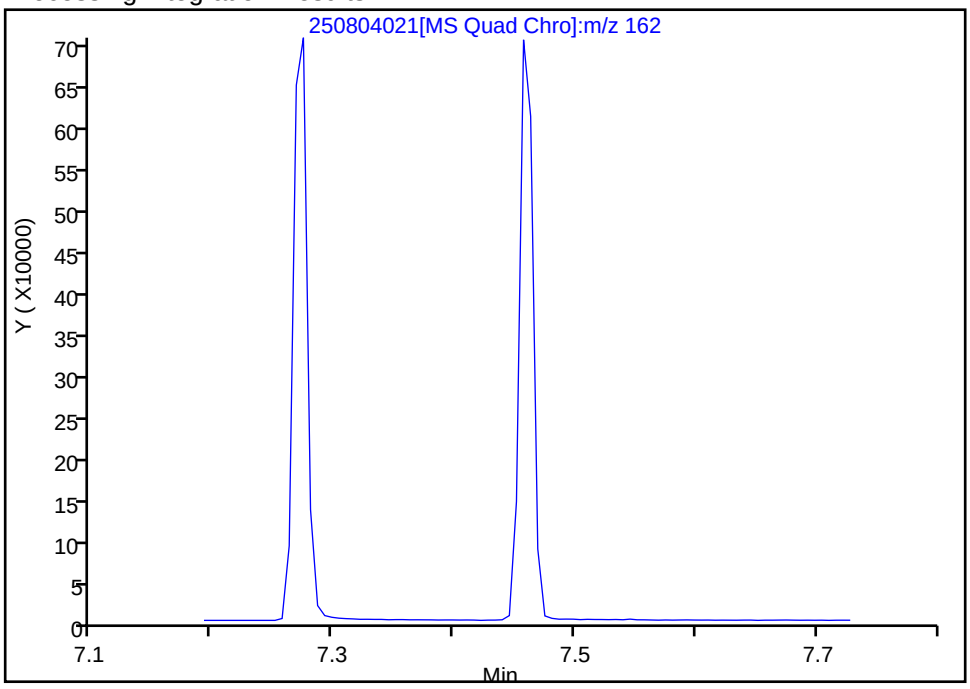
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

66 2,6-Dichlorophenol, CAS: 87-65-0

Signal: 1

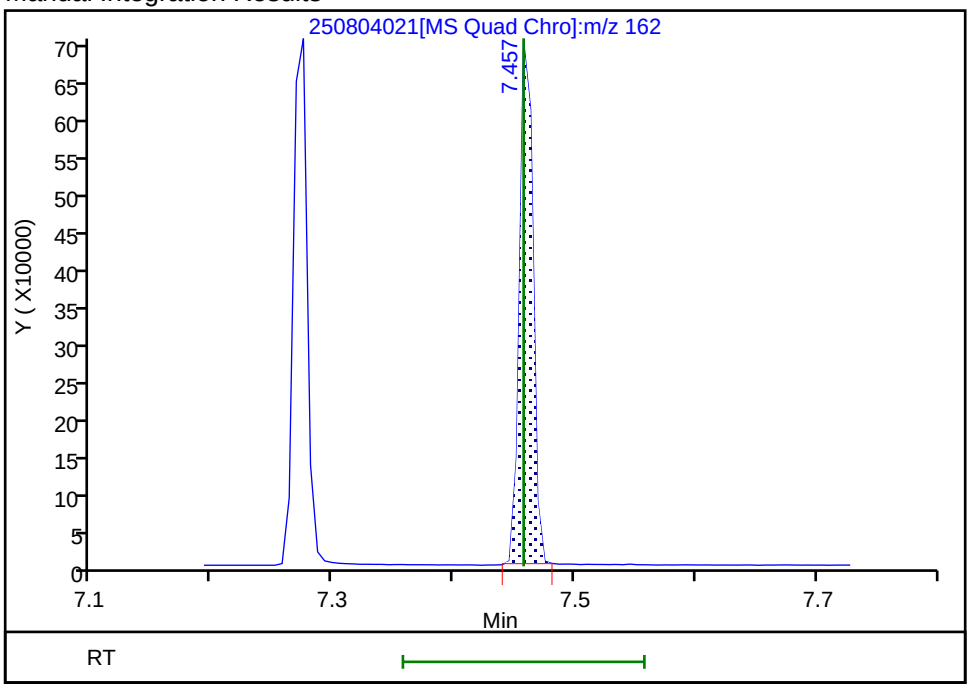
Not Detected
Expected RT: 7.46

Processing Integration Results



Manual Integration Results

RT: 7.46
Area: 544846
Amount: 1408.3681
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

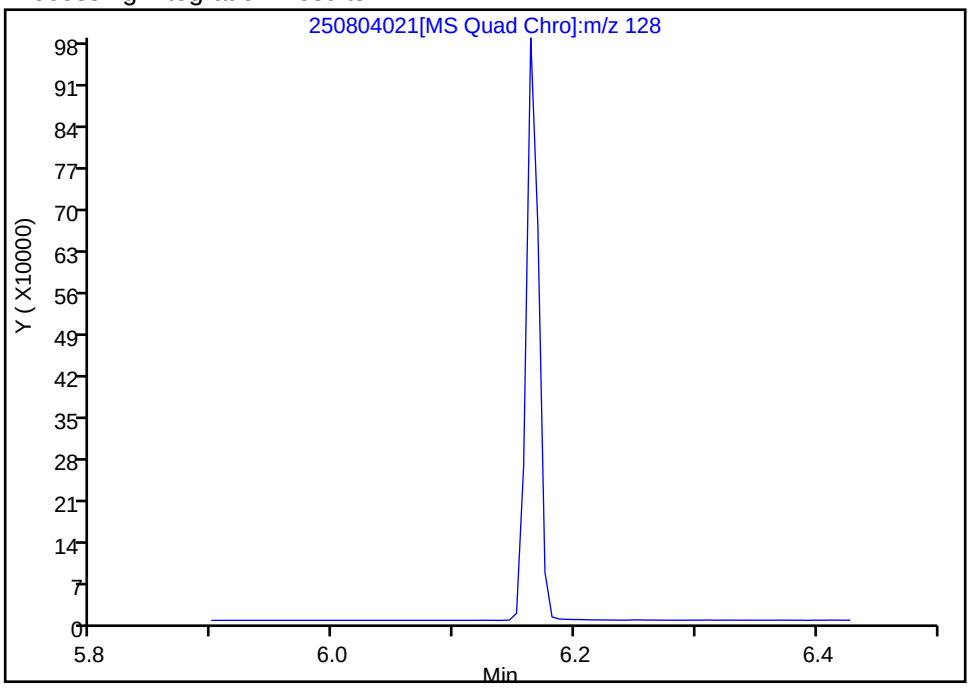
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

32 2-Chlorophenol, CAS: 95-57-8

Signal: 1

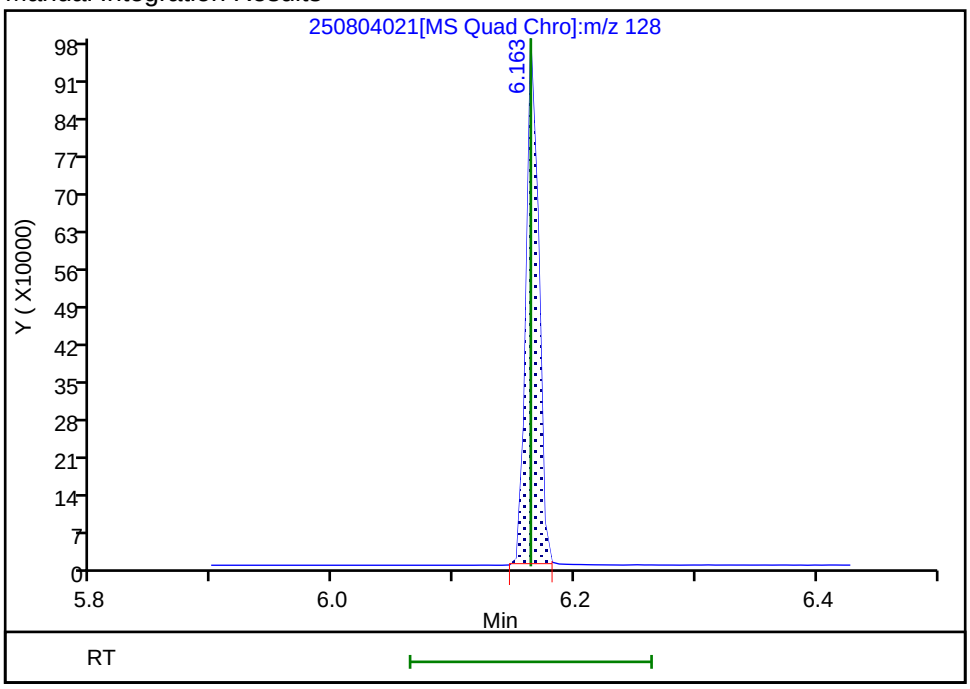
Not Detected
Expected RT: 6.16

Processing Integration Results



Manual Integration Results

RT: 6.16
Area: 709715
Amount: 1736.0700
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:24:00 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

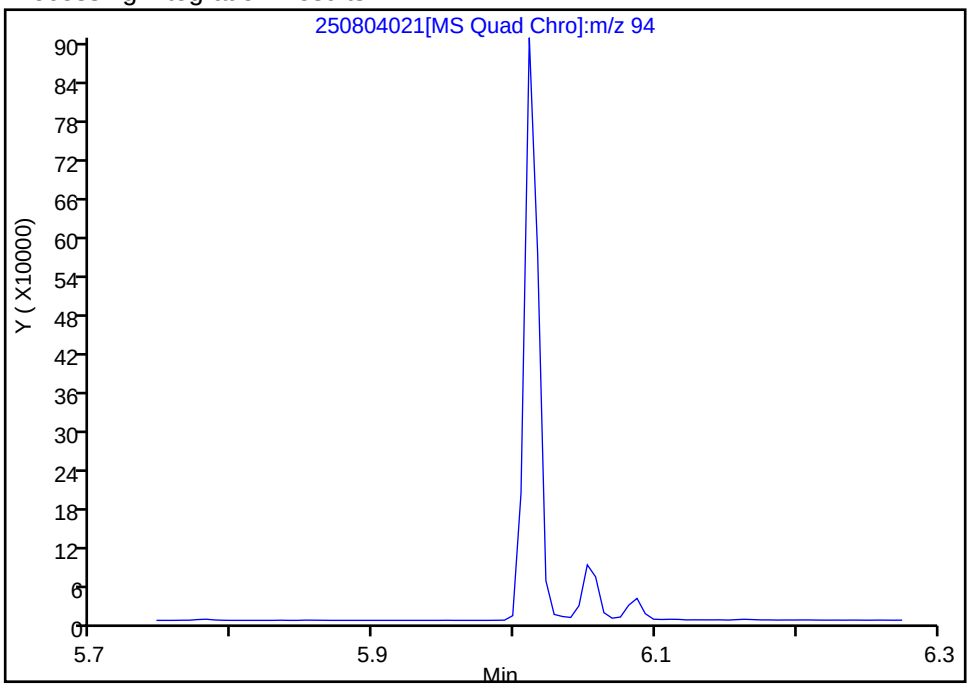
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

27 Phenol, CAS: 108-95-2

Signal: 1

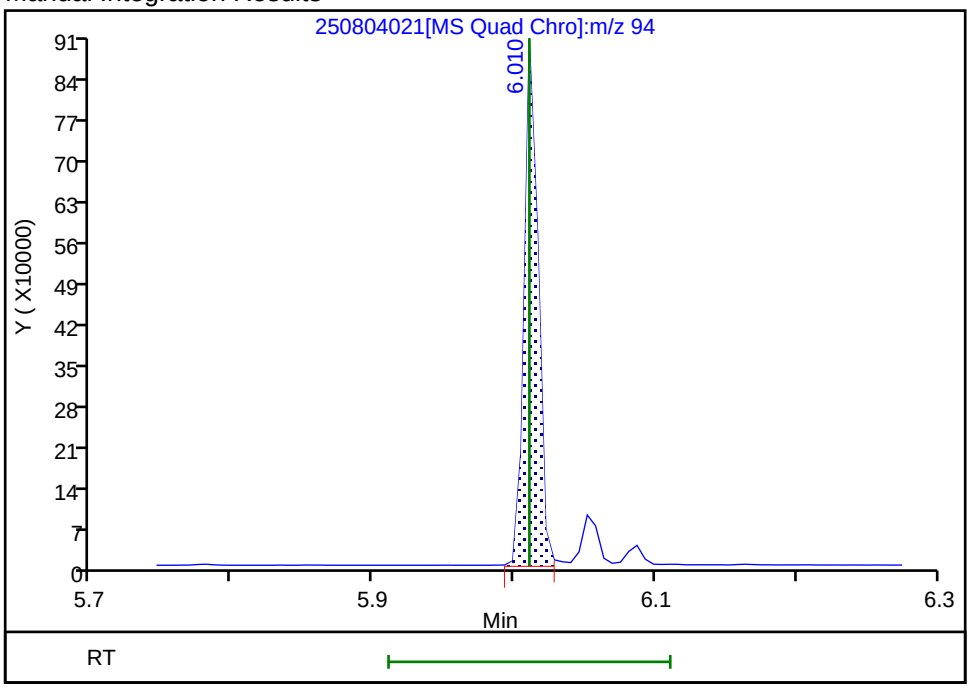
Not Detected
Expected RT: 6.01

Processing Integration Results



Manual Integration Results

RT: 6.01
Area: 619097
Amount: 1294.9086
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:24:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

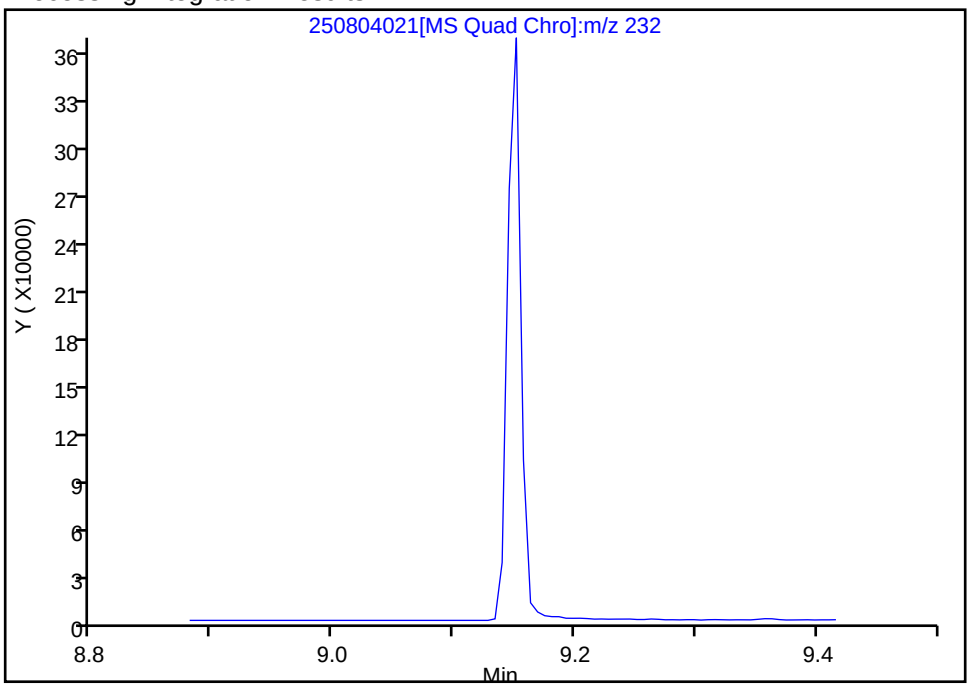
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

108 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

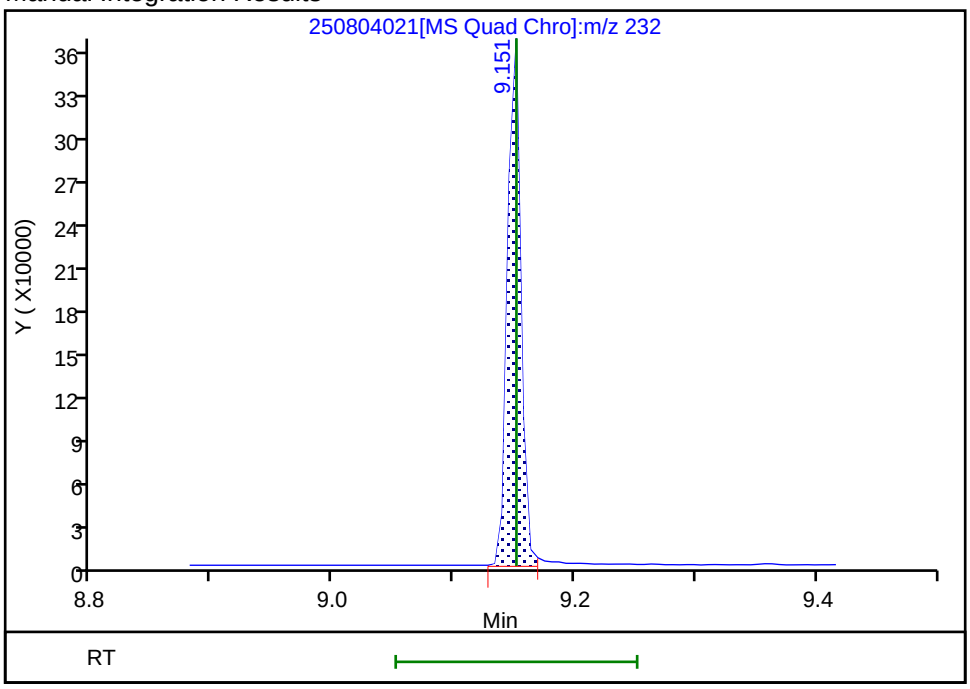
Not Detected
Expected RT: 9.15

Processing Integration Results



Manual Integration Results

RT: 9.15
Area: 277439
Amount: 1427.9019
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:09 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Cleveland

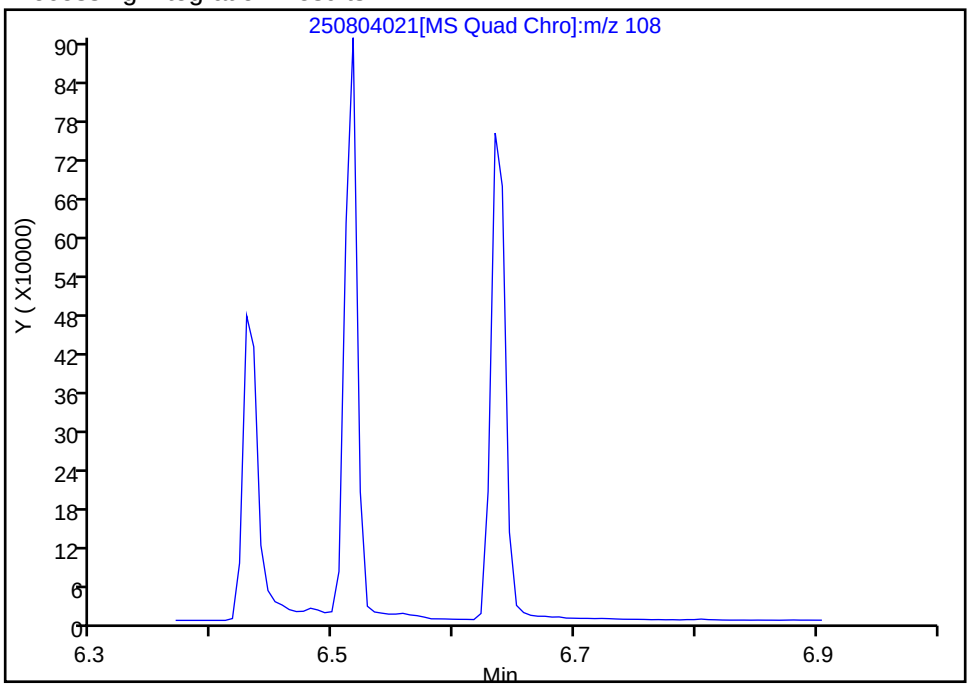
Data File:	\\chromfs\Canton\ChromData\A4AG3\20250804-157591.b\250804021.D				
Injection Date:	04-Aug-2025 14:53:27	Instrument ID:	A4AG3		
Lims ID:	240-229857-E-4-C MSD				
Client ID:	16WC1A				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	LVI AG3 8270	Limit Group:	MSS 8270D ICAL		
Column:	5% phenyl (0.18 mm)	Detector	MS SCAN		

45 3 & 4 Methylphenol, CAS: 15831-10-4

Signal: 1

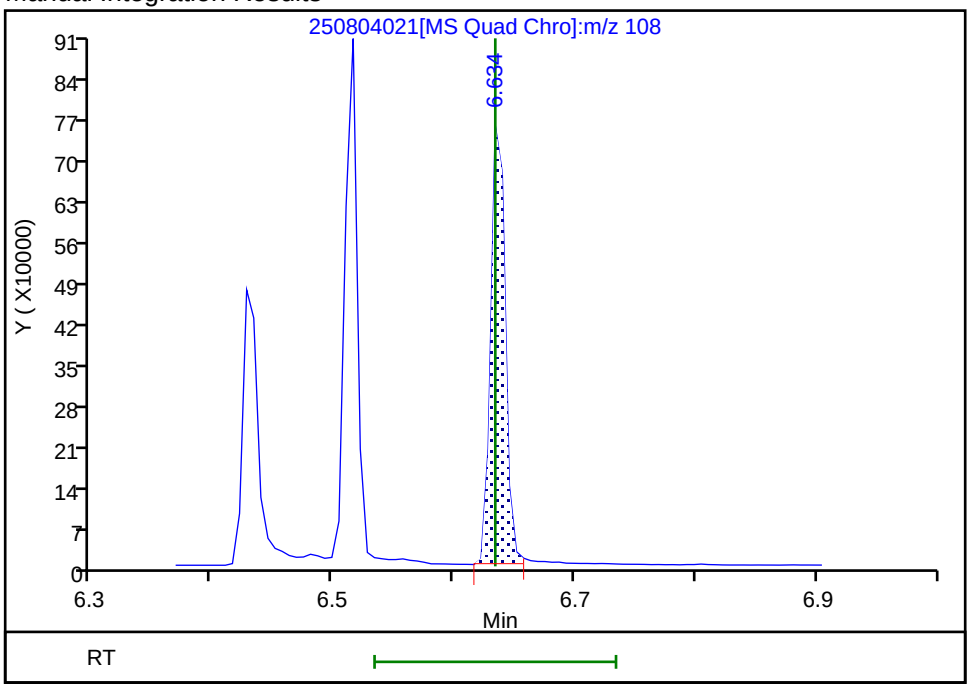
Not Detected
Expected RT: 6.63

Processing Integration Results



Manual Integration Results

RT: 6.63
Area: 639767
Amount: 1413.8842
Amount Units: ng/ml



Reviewer: D9AH, 08-Sep-2025 13:23:47 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Start Date: 06/27/2025 07:42

Analysis Batch Number: 661637 End Date: 06/27/2025 18:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-661637/1		06/27/2025 07:42	1	250627001.D	RXI-5SILMS/IIG 0.25(mm)
STD9 240-661637/2 IC		06/27/2025 08:00	1	250627002.D	RXI-5SILMS/IIG 0.25(mm)
STD8 240-661637/3 IC		06/27/2025 08:22	1	250627003.D	RXI-5SILMS/IIG 0.25(mm)
STD7 240-661637/4 IC		06/27/2025 08:45	1	250627004.D	RXI-5SILMS/IIG 0.25(mm)
STD6 240-661637/5 ICIS		06/27/2025 09:07	1	250627005.D	RXI-5SILMS/IIG 0.25(mm)
STD5 240-661637/6 IC		06/27/2025 09:30	1	250627006.D	RXI-5SILMS/IIG 0.25(mm)
STD4 240-661637/7 IC		06/27/2025 09:53	1	250627007.D	RXI-5SILMS/IIG 0.25(mm)
STD3 240-661637/8 IC		06/27/2025 10:15	1	250627008.D	RXI-5SILMS/IIG 0.25(mm)
STD2 240-661637/9 IC		06/27/2025 10:38	1	250627009.D	RXI-5SILMS/IIG 0.25(mm)
STD1 240-661637/10 IC		06/27/2025 11:00	1	250627010.D	RXI-5SILMS/IIG 0.25(mm)
ICV 240-661637/11		06/27/2025 11:23	1	250627011.D	RXI-5SILMS/IIG 0.25(mm)
STD5 240-661637/12 IC		06/27/2025 11:46	1	250627012.D	RXI-5SILMS/IIG 0.25(mm)
STD4 240-661637/13 IC		06/27/2025 12:08	1	250627013.D	RXI-5SILMS/IIG 0.25(mm)
STD3 240-661637/14 IC		06/27/2025 12:31	1	250627014.D	RXI-5SILMS/IIG 0.25(mm)
STD2 240-661637/15 IC		06/27/2025 12:53	1	250627015.D	RXI-5SILMS/IIG 0.25(mm)
STD6 240-661637/16 IC		06/27/2025 13:16	1	250627016.D	RXI-5SILMS/IIG 0.25(mm)
STD7 240-661637/17 IC		06/27/2025 13:39	1	250627017.D	RXI-5SILMS/IIG 0.25(mm)
STD8 240-661637/18 IC		06/27/2025 14:01	1	250627018.D	RXI-5SILMS/IIG 0.25(mm)
STD9 240-661637/19 IC		06/27/2025 14:24	1	250627019.D	RXI-5SILMS/IIG 0.25(mm)
ICV 240-661637/20		06/27/2025 14:47	1	250627020.D	RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (QC)		06/27/2025 15:09	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (QC)		06/27/2025 15:32	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (QC)		06/27/2025 15:55	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (QC)		06/27/2025 16:17	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (QC)		06/27/2025 16:40	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		06/27/2025 17:03	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		06/27/2025 17:25	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		06/27/2025 17:48	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		06/27/2025 18:11	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		06/27/2025 18:33	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		06/27/2025 18:56	1		RXI-5SILMS/IIG 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Instrument ID: A4AG3 Start Date: 08/04/2025 07:53

Analysis Batch Number: 666181 End Date: 08/04/2025 19:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 240-666181/1		08/04/2025 07:53	1	250804101.D	RXI-5SILMS/IIG 0.25(mm)
CCV 240-666181/2 CCVIS		08/04/2025 08:14	1	250804102.D	RXI-5SILMS/IIG 0.25(mm)
CCV 240-666181/3		08/04/2025 08:37	1	250804003.D	RXI-5SILMS/IIG 0.25(mm)
LODV 240-666181/5		08/04/2025 09:00	1		RXI-5SILMS/IIG 0.25(mm)
LODV 240-666181/6		08/04/2025 09:22	1		RXI-5SILMS/IIG 0.25(mm)
LODV 240-666181/7		08/04/2025 09:44	1		RXI-5SILMS/IIG 0.25(mm)
MB 240-666059/1-A		08/04/2025 10:06	1	250804008.D	RXI-5SILMS/IIG 0.25(mm)
LCS 240-666059/2-A		08/04/2025 10:28	1	250804009.D	RXI-5SILMS/IIG 0.25(mm)
LCS 240-666059/3-A		08/04/2025 10:50	1	250804010.D	RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (QC)		08/04/2025 11:12	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (QC)		08/04/2025 11:34	1		RXI-5SILMS/IIG 0.25(mm)
240-229857-5	16WDUP	08/04/2025 12:19	1	250804014.D	RXI-5SILMS/IIG 0.25(mm)
240-229857-6	16WC1B	08/04/2025 12:41	1	250804015.D	RXI-5SILMS/IIG 0.25(mm)
240-229857-1	16C1	08/04/2025 13:03	1	250804016.D	RXI-5SILMS/IIG 0.25(mm)
240-229857-2	16MW8	08/04/2025 13:25	1	250804017.D	RXI-5SILMS/IIG 0.25(mm)
240-229857-3	16MW9	08/04/2025 13:47	1	250804018.D	RXI-5SILMS/IIG 0.25(mm)
240-229857-4	16WC1A	08/04/2025 14:09	1	250804019.D	RXI-5SILMS/IIG 0.25(mm)
240-229857-4 MS	16WC1A MS	08/04/2025 14:31	1	250804020.D	RXI-5SILMS/IIG 0.25(mm)
240-229857-4 MSD	16WC1A MSD	08/04/2025 14:53	1	250804021.D	RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 15:15	50		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 15:37	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 15:59	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 16:21	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 16:43	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 17:05	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 17:27	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 17:49	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 18:11	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 18:33	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 18:55	1		RXI-5SILMS/IIG 0.25(mm)
ZZZZZ (Client)		08/04/2025 19:17	1		RXI-5SILMS/IIG 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 661637 Batch Start Date: 06/27/25 07:42 Batch Analyst: Ulman, Mark

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SMDFTPPW 00030	SMLIST1 L1+ W 00019	SMLIST1 L2 W 00025	SMLIST1 L3 W 00025	SMLIST1 L4 W 00025
DFTPP 240-661637/1		8270E			1 mL	0.1 mL				
STD9 240-661637/2 IC		8270E			1 mL					
STD8 240-661637/3 IC		8270E			1 mL					
STD7 240-661637/4 IC		8270E			1 mL					
STD6 240-661637/5 ICIS		8270E			1 mL					
STD5 240-661637/6 IC		8270E			1 mL					
STD4 240-661637/7 IC		8270E			1 mL					0.1 mL
STD3 240-661637/8 IC		8270E			1 mL				0.1 mL	
STD2 240-661637/9 IC		8270E			1 mL			0.1 mL		
STD1 240-661637/10 IC		8270E			1 mL		0.1 mL			
ICV 240-661637/11		8270E			1 mL					
STD5 240-661637/12 IC		8270E			1 mL					
STD4 240-661637/13 IC		8270E			1 mL					
STD3 240-661637/14 IC		8270E			1 mL					
STD2 240-661637/15 IC		8270E			1 mL					
STD6 240-661637/16 IC		8270E			1 mL					
STD7 240-661637/17 IC		8270E			1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 661637 Batch Start Date: 06/27/25 07:42 Batch Analyst: Ulman, Mark

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SMDFTPPW 00030	SMLIST1 L1+ W 00019	SMLIST1 L2 W 00025	SMLIST1 L3 W 00025	SMLIST1 L4 W 00025
STD8 240-661637/18 IC		8270E			1 mL					
STD9 240-661637/19 IC		8270E			1 mL					
ICV 240-661637/20		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SMLIST1 L5 W 00025	SMLIST1 L6 W 00025	SMLIST1 L7 W 00025	SMLIST1 L8 W 00025	SMLIST1 L9 W 00025	SMLIST1 SS W 00028
DFTPP 240-661637/1		8270E								
STD9 240-661637/2 IC		8270E							0.1 mL	
STD8 240-661637/3 IC		8270E						0.1 mL		
STD7 240-661637/4 IC		8270E					0.1 mL			
STD6 240-661637/5 ICIS		8270E				0.1 mL				
STD5 240-661637/6 IC		8270E			0.1 mL					
STD4 240-661637/7 IC		8270E								
STD3 240-661637/8 IC		8270E								
STD2 240-661637/9 IC		8270E								
STD1 240-661637/10 IC		8270E								
ICV 240-661637/11		8270E								0.1 mL
STD5 240-661637/12 IC		8270E								
STD4 240-661637/13 IC		8270E								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 661637 Batch Start Date: 06/27/25 07:42 Batch Analyst: Ulman, Mark

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SMLIST1 L5 W 00025	SMLIST1 L6 W 00025	SMLIST1 L7 W 00025	SMLIST1 L8 W 00025	SMLIST1 L9 W 00025	SMLIST1 SS W 00028
STD3 240-661637/14 IC		8270E								
STD2 240-661637/15 IC		8270E								
STD6 240-661637/16 IC		8270E								
STD7 240-661637/17 IC		8270E								
STD8 240-661637/18 IC		8270E								
STD9 240-661637/19 IC		8270E								
ICV 240-661637/20		8270E								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SMLIST2 L2 W 00037	SMLIST2 L3 W 00036	SMLIST2 L4 W 00037	SMLIST2 L5 W 00036	SMLIST2 L6 W 00039	SMLIST2 L7 W 00036
DFTPP 240-661637/1		8270E								
STD9 240-661637/2 IC		8270E								
STD8 240-661637/3 IC		8270E								
STD7 240-661637/4 IC		8270E								
STD6 240-661637/5 ICIS		8270E								
STD5 240-661637/6 IC		8270E								
STD4 240-661637/7 IC		8270E								
STD3 240-661637/8 IC		8270E								
STD2 240-661637/9 IC		8270E								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 661637 Batch Start Date: 06/27/25 07:42 Batch Analyst: Ulman, Mark

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SMLIST2 L2 W 00037	SMLIST2 L3 W 00036	SMLIST2 L4 W 00037	SMLIST2 L5 W 00036	SMLIST2 L6 W 00039	SMLIST2 L7 W 00036
STD1 240-661637/10 IC		8270E								
ICV 240-661637/11		8270E								
STD5 240-661637/12 IC		8270E						0.1 mL		
STD4 240-661637/13 IC		8270E					0.1 mL			
STD3 240-661637/14 IC		8270E				0.1 mL				
STD2 240-661637/15 IC		8270E			0.1 mL					
STD6 240-661637/16 IC		8270E							0.1 mL	
STD7 240-661637/17 IC		8270E								0.1 mL
STD8 240-661637/18 IC		8270E								
STD9 240-661637/19 IC		8270E								
ICV 240-661637/20		8270E								

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SMLIST2 L8 W 00037	SMLIST2 L9 W 00036	SMLIST2 SS W 00037			
DFTPP 240-661637/1		8270E								
STD9 240-661637/2 IC		8270E								
STD8 240-661637/3 IC		8270E								
STD7 240-661637/4 IC		8270E								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 661637 Batch Start Date: 06/27/25 07:42 Batch Analyst: Ulman, Mark

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SMLIST2 L8 W 00037	SMLIST2 L9 W 00036	SMLIST2 SS W 00037			
STD6 240-661637/5 ICIS		8270E								
STD5 240-661637/6 IC		8270E								
STD4 240-661637/7 IC		8270E								
STD3 240-661637/8 IC		8270E								
STD2 240-661637/9 IC		8270E								
STD1 240-661637/10 IC		8270E								
ICV 240-661637/11		8270E								
STD5 240-661637/12 IC		8270E								
STD4 240-661637/13 IC		8270E								
STD3 240-661637/14 IC		8270E								
STD2 240-661637/15 IC		8270E								
STD6 240-661637/16 IC		8270E								
STD7 240-661637/17 IC		8270E								
STD8 240-661637/18 IC		8270E			0.1 mL					
STD9 240-661637/19 IC		8270E				0.1 mL				
ICV 240-661637/20		8270E					0.1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 661637 Batch Start Date: 06/27/25 07:42 Batch Analyst: Ulman, Mark

Batch Method: 8270E Batch End Date:

Batch Notes	
Dilution Solution ID	7209492

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 666059 Batch Start Date: 08/01/25 08:55 Batch Analyst: Ferrell, Maddie

Batch Method: 3510C LVI Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 240-666059/1		3510C LVI, 8270E					250 mL	5 mL	5 SU	2 SU
LCS 240-666059/2		3510C LVI, 8270E					250 mL	5 mL	5 SU	2 SU
LCS 240-666059/3		3510C LVI, 8270E					250 mL	5 mL	5 SU	2 SU
240-229857-D-1	16C1	3510C LVI, 8270E	Water	T	446.57 g	174.47 g	272.1 mL	5 mL	6 SU	2 SU
240-229857-D-2	16MW8	3510C LVI, 8270E	Water	T	443.08 g	174.72 g	268.4 mL	5 mL	5 SU	2 SU
240-229857-D-3	16MW9	3510C LVI, 8270E	Water	T	443.49 g	173.03 g	270.5 mL	5 mL	6 SU	2 SU
240-229857-E-4	16WC1A	3510C LVI, 8270E	Water	T	439.05 g	174.70 g	264.4 mL	5 mL	6 SU	2 SU
240-229857-E-4 MS	16WC1A	3510C LVI, 8270E	Water	T	445.45 g	173.14 g	272.3 mL	5 mL	6 SU	2 SU
240-229857-E-4 MSD	16WC1A	3510C LVI, 8270E	Water	T	444.26 g	173.79 g	270.5 mL	5 mL	6 SU	2 SU
240-229857-E-5	16WDUP	3510C LVI, 8270E	Water	T	447.61 g	174.26 g	273.4 mL	5 mL	6 SU	2 SU
240-229857-E-6	16WC1B	3510C LVI, 8270E	Water	T	445.72 g	174.73 g	271 mL	5 mL	6 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SecondAdjustpH	exBENZALDEHYD 00104	exBNASPIKE 00143	exBNASURR W 00130	EXLIST2spike 00045	
MB 240-666059/1		3510C LVI, 8270E			12 SU			0.4 mL		
LCS 240-666059/2		3510C LVI, 8270E			12 SU	0.2 mL	0.4 mL	0.4 mL		
LCS 240-666059/3		3510C LVI, 8270E			12 SU			0.4 mL	0.4 mL	
240-229857-D-1	16C1	3510C LVI, 8270E	Water	T	12 SU			0.4 mL		
240-229857-D-2	16MW8	3510C LVI, 8270E	Water	T	12 SU			0.4 mL		
240-229857-D-3	16MW9	3510C LVI, 8270E	Water	T	12 SU			0.4 mL		
240-229857-E-4	16WC1A	3510C LVI, 8270E	Water	T	12 SU			0.4 mL		
240-229857-E-4 MS	16WC1A	3510C LVI, 8270E	Water	T	12 SU	0.2 mL	0.4 mL	0.4 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-229857-1

SDG No.:

Batch Number: 666059 Batch Start Date: 08/01/25 08:55 Batch Analyst: Ferrell, Maddie

Batch Method: 3510C LVI Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SecondAdjustpH	exBENZALDEHYD 00104	exBNASPIKE 00143	exBNASURR W 00130	EXLIST2spike 00045	
240-229857-E-4 MSD	16WC1A	3510C LVI, 8270E	Water	T	12 SU	0.2 mL	0.4 mL	0.4 mL		
240-229857-E-5	16WDUP	3510C LVI, 8270E	Water	T	12 SU			0.4 mL		
240-229857-E-6	16WC1B	3510C LVI, 8270E	Water	T	12 SU			0.4 mL		

Batch Notes	
Was daily balance calibration done?	Yes
Balance ID	B66
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	13 10
Analyst ID - Extraction	MADDIE FERRELL
Analyst ID - Spike Analyst	MADDIE FERRELL
Acid Used for pH Adjustment ID	7593191
Base Used to Adjust pH ID	7631737
Prep Solvent ID	7608163
Glass Wool ID	7064535
Na2SO4 ID	7584393
Analyst ID - Concentration	LAURA KRUPP GUENIVERE STARLING

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

CHAIN OF CUSTODY RECORD

2.0/2.5

Laboratory: Eurofins - Cleveland/TestAmerica CANTON, 180 South Van Buren Ave, **Barberton**, OH 44203. Opal Johnson, PM. 330-497-9396

Client: 0	Consultant: TRC Engineers Inc (formerly DAA)	Sample Site: RFAAP, Radford, Virginia	Project Specific (PS) QC: YES as indicated	
Attn: 0	Attn: Janet C. Frazier		Sample Collection for Project Complete? YES	
Address: 0	Address: 2200 South Main Street Suite 1	Location: HWMU16	UPS	
0	Blacksburg, Virginia 24060		Carrier: 12.237.301-01-918-3415	
Phone: 0	Phone: (540) 552-0444	Event: 3Q 2025 Annual GW Monitoring Event	Tracking Number:	
Fax: 0	Fax: (540) 552-0291	DAA JN: 667639 Phase 2		
Fax: 0		Lab JN:		

Box 1: Matrix
SW Surface Water; GW Groundwater; L Leachate; S Soil; T Trip Blank; E Equipment Blank; P Product; O Other

Box 2: Preservative
A HCL; B HNO_3; C H_2SO_4; D $Na_2S_2O_3$; E NaOH; F ZnAc; G Other (Specify); H None

Box 3: Filtered/Unfiltered
F Filtered; U Unfiltered

Box 4: Sample Type
G Grab; C Composite

Box 5: Sample Container Type
P Plastic; AG Amber Glass; V VOA; CG Clear Glass

Invoice
Copy to Consultant: YES
Bill: CLIENT OTHER ____
Preserved and shipped on ice: YES

Box 4 - Sample Type						G	G						
Box 3 - Filtered/Unfiltered						U	U						
Required pH of Sample						<2							
Box 2 - Preservative						A	H						
Box 5 - Sample Container Type						3- 40 ml VOA	2-250mL AG						
Sample ID	Date: 2025	Time	Box 1: Matrix	Number of Bottles		8260D / 5030C - low level (volatiles)	8270E / 3510C (Semivolatiles)						
16C1	7/30	1420	GW	5		X	X						
16MW8	7/29	1120	GW	5		X	X						
16MW9	7/30	1315	GW	5		X	X						
16WC1A	7/30	1105	GW	15		X	X						
16WDUP	7/30	0925	GW	5		X	X						
16WC1B	7/30	0945	GW	5		X	X						

GENERAL NOTES:
1. Report results to detection limit, with J flags, for italicized wells.
2. Report results at or greater than QL for non-italicized wells.
3. VELAP accreditation required.
4. FULL/Comprehensive Deliverable with EDD and ERIS EDD.
5. See Atached target analytes. Report to these Permit Specified QLs and DLs. Please extract 250 ml (8270) to avoid adjusted QL/MDL

* upload invoice to TRC Portal. PO# 233782
- For pronamide - report MDL to 1.5 ug/L
- For Isosafrole - report MDL to 1.6 ug/L.
- Lab to adjust RL to perm.t QL for acrolein. JVR 6.26.25
- Lab to report to permit Limits

USE FOR QC

240-229857 COC

Clients Special Instructions:

Received by lab in Good Condition ____ Yes ____ No Custody Seal Intact ____ Yes ____ No Temperature upon arrival ____ Received on Ice ____ Yes ____ No
Describe problems, if any:

Sampler Name (Print): KEN CODDINGTON	Date: 7/29/25	#1 Relinquished by (Signature):	Date: 7/30/25	#2 Relinquished by (Signature): JCollins	Date: 7/31/25	Sample Storage	
Sampler Signature:	Time: 0700	Company Name: TRC	Time: 1700	Company Name:	Time: 1000	Time Requested:	
Sampler Name (Print): Alexa Prater	Date: 7/29/25	#1 Received by (Signature):	Date:	#2 Received by (Signature):	Date:	30 DYS ORG/6 MTHS INORG	
Sampler Signature:	Time: 0700	Company Name:	Time:	Company Name:	Time:		

VELAP ✓ # ~~13089~~ ex 9/14/25. JVR 6.26.25
MDL ✓ 6.26.25 JVR 13488 - JVR 7.21.25

JVR 6.26.25

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HAZARDOUS WASTE MANAGEMENT
POST-CLOSURE CARE PERMIT

ATTACHMENT 1

APPENDIX I

ANNUAL GROUNDWATER SAMPLING CONSTITUENT LIST

(APPENDIX IX 40 CFR PART 264)

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APPENDIX IX METHOD/DETECTION LIMITS

Analyte	CAS Number	METHOD	PQL (ug/l)	MDL (ug/1)
1,1,1,2-Tetrachloroethane	630-20-6	8260	1	0.3
1,1,1 -Trichloroethane	71-55-6	8260	1	0.3
1,1,2,2-Tetrachloroethane	79-34-5	8260	1	0.3
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	8260	1	0.4
1,1,2-Trichloroethane	79-00-5	8260	1	0.3
1,1 -Dichloroethane	75-34-3	8260	1	0.3
1,1 -Dichloroethene	75-35-4	8260	1	0.3
1,2,3-Trichloropropane	96-18-4	8260	1	0.3
1,2,4,5-Tetrachlorobenzene	95-94-3	8270	10	2
1,2,4-Trichlorobenzene	120-82-1	8260	1	0.6
~~*1,2,4-Trichlorobenzene (dup- 8260)*~~	~~*120-82-1*~~	~~*8270*~~	~~*10*~~	~~*0.43*~~
1,2-dibromo-3-chloropropane	96-12-8	8260	1	0.4
1,2-dibromoethane	106-93-4	8260	1	0.3
1,2-Dichlorobenzene	95-50-1	8260	1	0.4
~~*1,2-Dichlorobenzene (dup 8260)*~~	~~*95-50-1*~~	~~*8270*~~	~~*10*~~	~~*0.48*~~
1,2-Dichloroethane	107-06-2	8260	1	0.3
1,2-Dichloropropane	78-87-5	8260	1	0.4
1,3-Dichlorobenzene	541-73-1	8260	1	0.4
1,3-Dichlorobenzene	541-73-1	8270	10	0.52
1,3-Dichloropropane	142-28-9	8260	1	0.4
1,3-Dinitrobenzene	99-65-0	8270	10	2.3
1,4-Dichlorobenzene	106-46-7	8260	1	0.4
~~*1,4 Dichlorobenzene (dup 8260)*~~	~~*106-46-7*~~	~~*8270*~~	~~*10*~~	~~*0.37*~~
1,4-Dioxane	123-91-1	8260	200	45.48
1,4-Napthoquinone	130-15-4	8270	10	3.0
1 -Naphthylamine	134-32-7	8270	10	3.0
2,3,4,6-Tetrachlorophenol	58-90-2	8270	10	1.8
2,4,5-Trichlorophenol	95-95-4	8270	10	2.0
2,4,6-Trichlorophenol	88-06-2	8270	10	1.8
2,4-Dichlorophenol	120-83-2	8270	10	1.59
2,4-Dimethylphenol	105-67-9			3.0

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Analyte	CAS Number	METHOD	PQL (ug/l)	MDL (ug/l)
2,4-Dinitrophenol	51-28-5	8270	10	6.2
2,4-Dinitrotoluene	121-14-2	8270	10	2.1
2,6-Dichlorophenol	87-65-0	8270	10	1.4
2,6-Dinitrotoluene	606-20-2	8270	10	2.1
2-Acetylaminofluorene	53-96-3	[illegible]	10	3.0
2-Butanone	78-93-3	8260	10	0.421.7
2-Chloronaphthalene	91-58-7	8270	10	0.5
2-Chlorophenol	95-57-8	8270	10	1.0
2-Hexanone	591-78-6	8260	10	2.0
2-Methylnaphthalene	91-57-6	8270	10	0.29
2-Naphthylamine	91-59-8	8270	[illegible]	7.0
2-Nitroaniline	88-74-4	8270	10	1.0
2-Nitrophenol	88-75-5	8270	10	1.27
2-Picoline	109-06-8	[illegible]	[illegible]	1.0
2-Propanol (5 ml purge)	67-63-0	8260	100	50
3,3 '-Dichlorobenzidine	91-94-1	8270	10	3.0
3,3 '-Dimethylbenzidine	119-93-7	8270	10	3.3
3-Methylcholanthrene	56-49-5	8270	10	1.0
3-Nitroaniline	99-09-2	8270	10	2.0
4,6-Dinitro-2-methylphenol	534-52-1	8270	10	3.0
4-Aminobiphenyl	92-67-1	8270	10	3.0
4-Bromophenyl phenyl ether	101-55-3	8270	10	0.56
4-Chloro-3-methylphenol	59-50-7	8270	10	1.0
4-Chloroaniline	106-47-8	8270	[illegible]	3.3
4-Chlorophenyl phenyl ether	7005-72-3	8270	10	0.6
4-Methyl-2-pentanone	108-10-1	8260	10	2.0
4-Nitroaniline	106-44-5	8270	10	1.5
4-Nitrophenol	100-01-6	8270	10	3.0
4-Nitroquinoline-1 -oxide	100-02-7	8270	50	5
5-Nitro-o-toluidine	56-57-5	8270	10	2.0
7,12-Dimethylbenz(a)anthracene	99-55-8	[illegible]	10	1.8
a,a-Dimethylphenethylamine (GEL)	122-09-8	8270	50	5
Acenaphthene		8270	10	0.35

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Analyte	CAS Number	METHOD	PQL(ug/l)	MDL(ug/l)
Acenaphthylene	208-96-8	8270	10	0.48
Acetone	67-64-1	8260	10	2.0
Acetonitrile	75-05-8	8260	100	31.67
Acetophenone	98-86-2	8270	10	1.0
Acrolein	107-02-8	8260	10	3.4
Acrylonitrile	107-13-1	8260	10	1.1
Allyl chloride/ (3-Chloropropene)	107-05-1	8260	10	1.0
Aniline				
Anthracene	120-12-7	8270	10	0.52
Antimony	7440-36-0	6020 /6010	2	0.6
Aramite	140-57-8			
Arsenic	7440-38-2	6020/ 6010	10	2
Barium	7440-39-3	6020/ 6010	10	1.3
Benzene	71-43-2	8260	1	0.3
Benzo(a)anthracene	56-55-3	8270	10	0.45
Benzo(a)pyrene	50-32-8	8270	10	1.5
Benzo(b)fluoranthene	205-99-2	8270	10	1.2
Benzo(g,h,i)perylene	191-24-2	8270	10	0.42
Benzo(k)fluoranthene	207-08-9	8270	10	1.6
Beryllium	7440-41-7	6020/6010	1	0.3
Bis(2-chlorethoxy)methane	111-91-1	8270		0.5
Bis(2-chloroethyl)ether	111-44-4	8270		0.5
Bis(2-chloroisopropyl)ether	108-60-1	8270	10	0.6
Bis(2-ethylhexyl)phthalate	117-81-7	8270	10	2.0
Bromodichloromethane	75-27-4	8260	1	0.3
Bromoform	75-25-2	8260	1	0.4
Bromomethane	74-83-9	8260	1	0.542
Butyl benzyl phthalate	85-68-7			0.7
Cadmium	7440-43-9	6020/ 6010	1	0.2
Carbon disulfide	75-15-0	8260	10	0.4
Carbon tetrachloride	56-23-5	8260	1	0.3
Chloromethane (required for compliance-not an App IX)-JCF 7-12-24		8260	1	
Chloroethane (required for compliance list-not and App IX)-JCF 7-12-24			1	
Chlorobenzilate	510-15-6	8270		

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Analyte	CAS Number	METHOD	PQL(ug/l)	MDL(ug/l)
Chloroform	67-66-3	8260	1	0.3
Chloroprene/ (2-Chloro-1,3-butadiene	126-99-8	8260	10	0.46
Chromium	7440-47-3	6020/6010	5	1.0
Chrysene	218-01-9	8270	10	0.31
Cobalt	7440-48-4	6020/6010	5	1.0
Copper	7440-50-8	6020/6010	5	1.7
Cyanide	57-12-5	9010	20	5
Diallate	2303-16-4	8270	10	3.0
Dibenzo(a,h)anthracene	53-70-3	8270	10	0.38
Dibenzofuran	132-64-9	8270	10	0.6
Dibromochloromethane	124-48-1	8260	1	0.4
Dibromomethane/ (methylene bromide)	74-95-3	8260	1	0.3
Dichlorodifluoromethane	75-71-8	8260	1	0.4
Diethyl ether/ (ethyl ether)	60-29-7	8260	12.5	1.11
Diethyl phthalate	84-66-2	8270	10	2.0
Dimethoate	60-51-5	8270	10	3.0
Dimethyl ether (8260C)	115-10-6	8260	12.5	1.11
Dimethyl phthalate (GEL)	131-11-3	8270	10	0.5
Di-n-butyl phthalate	**84-74-2**	**8270**	**10**	**1.8**
Di-n-octyl phthalate (GEL)	117-84-0	8270	10	0.8
Diphenylamine (as n-nitrosodiphenylamine	86-30-6	8270	10	0.58
Disulfoton	**298-04-4**	**8270**	**10**	**3.0**
Ethyl methacrylate	97-63-2	8260	10	0.81
~~*Ethyl methacrylate (dup-8260)*~~	~~*97-63-2*~~	~~*8270*~~	~~*10*~~	~~*0.2*~~
Ethyl methanesulfonate	62-50-0	8270	10	1.1
Ethylbenzene	100-41-4	8260	1	0.3
Famphur	**52-85-7**	**8270**	**10**	**5.0**
Fluoranthene	206-44-0	8270	10	0.42
Fluorene	86-73-7	8270	10	0.38

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Analyte	CAS Number	METHOD	PQL (ug/I)	MDL (ug/I)
Heaxachloroethane	67-72-1	8260/8270	10	0.4
Hexachlorobenzene	118-74-1	8270	10	0.87
Hexachlorobutadiene	87-68-3	8260	1	0.4
Hexachlorocyclopentadiene	77-47-4	[illegible]	10	3.0
Hexachlorophene (GEL)	70-30-4	8270	500	185
Hexachloropropene	1888-71-7	8270	10	2
Indeno(1 ,2,3-cd)pyrene	193-39-5	8270	10	0.15
Iodomethane/ (methyl iodide)	74-88-4	8260	10	0.58
Isobutyl alcohol	78-83-1	8260	200	11.6
Isodrin	465-73-6	8270	10	1.1
Isophorone	78-59-1	8270	10	0.5
Isosafrole	120-58-1	8270	10	1.6
Kepone	143-50-0	8270	50	25
Lead	7439-92-1	6020/6010	3	1.0
m,p-Cresol	106-44-5	8270	20	2.47
m,p-Xylene	179601-23-1	8260	2	0.4
Mercury	7439-97-6	7470	2	0.2
Methacrylonitrile	126-98-7	8260	100	9.75
Methapyrilene	91-80-5	8270	10	3.0
Methyl methacrylate	80-62-6	8260	10	3.58
Methyl methanesulfonate	66-27-3	8270	10	1.0
Methyl parathion	298-00-0	8270	10	3.2
Methylene chloride	75-09-2	8260	1	0.7
Naphthalene	91-20-3	8260	1	0.4
Nickel	7440-02-0	6020/6010	10	2.0
Nitrobenzene	98-95-3	8270	10	0.6
N-Nitrosodiethylamine	55-18-5	8270	10	3.0
N-Nitrosodimethylamine	62-75-9	8270	10	2.0
N-Nitroso-di-n-butylamine	924-16-3	8270	10	3.0
N-Nitrosodi-n-propylamine	621-64-7	8270	10	0.5
N-Nitrosodiphenylamine (as diphenylamine)	86-30-6	8270	10	0.58
n-Nitrosomethylethylamine	10595-95-6	8270	10	[illegible]

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Analyte	CAS Number	METHOD	PQL(ug/l)	MDL (ug/1)
N-Nitrosomorpholine	59-89-2	8270	10	3.0
N-Nitrosopiperidine	100-75-4	8270	10	1.1
N-Nitrosopyrrolidine	**930-55-2**	**8270**	[illegible]	**0.5**
o,o,o-Triethylphosphorothioate	126-68-1	8270	10	2.6
o,o-Diethyl-o-2-pyrazinyl phosphorothioate/ (Thionazin)	297-97-2	8270	10	2.4
o-Cresol/ (2-methylphenol)	95-48-7	8270	10	0.96
o-Toluidine	**95-53-4**	**8270**	[illegible]	**4.0**
o-Xylene	95-47-6	8260	1	0.4
Parathion/ (Ethyl parathion)	**56-38-2**	**8270**	[illegible]	[illegible]
p-Dimethylaminoazobenzene	**60-11-7**	**8270**	[illegible]	[illegible]
Pentachlorobenzene	608-93-5	8270	10	1.6
Pentachloroethane	76-01-7	8260	10	1.7
~~*Pentachloroethane (dup)*~~	~~*76-01-7*~~	~~*8270*~~	~~*10*~~	~~*2.7*~~
Pentachloronitrobenzene (Enthalpy)	82-68-8	8270	10	1.0
Pentachlorophenol	87-86-5	8270	10	3.0
Phenacetin	62-44-2	8270	10	1.4
Phenanthrene	85-01-8	8270	10	0.52
Phenol	108-95-2	8270	10	0.77
Phorate	298-02-2	8270	10	2.5
p-Phenylenediamine (1,4-BENZENEDIAMINE)	**106-50-3**	**8270**	**150**	[illegible]
Pronamide	**23950-58-5**	**8270**	**10**	**1.5**
Propionitrile	107-12-0	8260	100	10.22
Pyrene	129-00-0	8270	10	0.41
Pyridine	**110-86-1**	**8270**	**10**	**2.0**
Safrole	94-59-7	8270	10	2.2
Selenium	7782-49-2	6020/6010	10	3.0
Silver	7440-22-4	6020/6010	2	0.3
Styrene	100-42-5	8260	1	0.3
Sulfotep	3689-24-5	8270	10	2.4
sym-Trinitrobenzene/ (1,3,5-trinitrobenzene)	**99-35-4**	[illegible]	**10**	**3.0**
Tetrachloroethene	127-18-4	8260	1	0.3
Tetrahydrofuran	109-99-9	8260	25	2
Thallium	7440-28-0	6020/6010	1	0.2
Toluene	108-88-3	8260	1	0.3

5/8

9/17/2025 1:48:31 PM

Analyte	CAS Number	METHOD	PQL (ug/l)	MDL (ug/l)
trans-1,2-Dichloroethene	156-60-5	8260	1	0.3
trans-1,3-Dichloropropene	10061-02-6	8260	1	0.4
trans-1,4-Dichloro-2-butene	**110-57-6**	**8260**	**10**	**1.5**
Trichloroethene	79-01-6	8260	1	0.3
Trichlorofluoromethane	75-69-4	8260	1	0.4
Vanadium	7440-62-2	6020/6010	10	2.5
Vinyl acetate	108-05-4	8260	10	3.29
Vinyl chloride	75-01-4	8260	1	0.2
Xylenes, Total	1330-20-7	8260	3	0.4
Zinc	7440-66-6	6020/6010	30	7.3

Notes:
ug/l = micrograms per liter
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
CAS = Chemical Abstracts Service Registry Number

~~2024~~ 2025 JCF 6.26.25

GEL, Charleston, SC – 4 analytes – 8270 only
Enthalpy, Richmond, VA – Pentachloronitrobenzene only -8270 only
Eurofins – Barberton, Cleveland, OH (old Test America- North Canton, OH)
ELLE, Lancaster, PA

Eurofins – Cleveland Sample Receipt Form/Narrative **Login #** _____
Barberton Facility

Client TRC Site Name _____ Cooler unpacked by: JC

Cooler Received on 7-31-25 Opened on 7-31-25

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 13 (CF 0.5 °C) Observed Cooler Temp 2.0 °C Corrected Cooler Temp 2.5 °C

2	Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity_____	Yes No
	Were the seals on the outside of the cooler(s) signed & dated?	Yes No NA
	-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes No
	-Were tamper/custody seals intact and uncompromised?	Yes No NA
3	Shippers' packing slip attached to the cooler(s)?	Yes No
4	Did custody papers accompany the sample(s)?	Yes No
5	Were the custody papers relinquished & signed in the appropriate place?	Yes No
6	Was/were the person(s) who collected the samples clearly identified on the COC?	Yes No
7	Did all bottles arrive in good condition (Unbroken)?	Yes No
8	Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes No
9	For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	Yes No
10	Were correct bottle(s) used for the test(s) indicated?	Yes No
11	Sufficient quantity received to perform indicated analyses?	Yes No
12	Are these work share samples and all listed on the COC?	Yes No
	If yes, Questions 13-17 have been checked at the originating laboratory	
13	Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA pH Strip Lot# HC463162
14	Were VOAs on the COC?	Yes No
15	Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes No NA
16	Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____	Yes No
17	Was a LL Hg or Me Hg trip blank present? _____	Yes No

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Labeled by

Labels Verified by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

Sample(s) (BW 9(1)) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation Date/Time VOAs Frozen _____

Login Container Summary Report

9/17/2025 1:48:31 PM

Temperature readings _____

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
16C1	240-229857-A-1	Voa Vial 40ml - Hydrochloric Acid				
16C1	240-229857-B-1	Voa Vial 40ml - Hydrochloric Acid				
16C1	240-229857-C-1	Voa Vial 40ml - Hydrochloric Acid				
16C1	240-229857-D-1	Amber Glass 250ml - unpreserved				
16C1	240-229857-E-1	Amber Glass 250ml unpreserved				
16MW8	240-229857-A-2	Voa Vial 40ml - Hydrochloric Acid				
16MW8	240-229857-B-2	Voa Vial 40ml Hydrochloric Acid				
16MW8	240-229857-C-2	Voa Vial 40ml - Hydrochloric Acid				
16MW8	240-229857-D-2	Amber Glass 250ml - unpreserved				
16MW8	240-229857 E-2	Amber Glass 250ml - unpreserved				
16MW9	240-229857-A 3	Voa Vial 40ml Hydrochloric Acid				
16MW9	240-229857 B-3	Voa Vial 40ml - Hydrochloric Acid				
16MW9	240-229857-C-3	Voa Vial 40ml Hydrochloric Acid				
16MW9	240-229857-D-3	Amber Glass 250ml - unpreserved				
16MW9	240-229857-E-3	Amber Glass 250ml - unpreserved				
16WC1A	240-229857 A-4	Voa Vial 40ml - Hydrochloric Acid				
16WC1A	240-229857-A-4 MS	Voa Vial 40ml - Hydrochloric Acid				
16WC1A	240-229857-A-4 MSD	Voa Vial 40ml Hydrochloric Acid				
16WC1A	240-229857-B-4	Voa Vial 40ml - Hydrochloric Acid				
16WC1A	240-229857-B-4 MS	Voa Vial 40ml - Hydrochloric Acid				
16WC1A	240-229857-B-4 MSD	Voa Vial 40ml - Hydrochloric Acid				
16WC1A	240-229857-C-4	Voa Vial 40ml - Hydrochloric Acid				
16WC1A	240-229857-C-4 MS	Voa Vial 40ml - Hydrochloric Acid				
16WC1A	240-229857-C-4 MSD	Voa Vial 40ml - Hydrochloric Acid				
16WC1A	240-229857 D-4	Amber Glass 250ml - unpreserved				
16WC1A	240-229857-D-4 MS	Amber Glass 250ml - unpreserved				
16WC1A	240-229857-D-4 MSD	Amber Glass 250ml unpreserved				
16WC1A	240-229857 E-4	Amber Glass 250ml unpreserved				
16WC1A	240-229857-E-4 MS	Amber Glass 250ml - unpreserved				
16WC1A	240-229857 E-4 MSD	Amber Glass 250ml unpreserved				
16WDUP	240-229857-A 5	Voa Vial 40ml - Hydrochloric Acid				
16WDUP	240 229857 B-5	Voa Vial 40ml Hydrochloric Acid				

Client Sample ID	Lab ID	Container Type	Container pH	Container Temp	Preservation Added	Preservation Lot Number
16WDUP	240 229857-C-5	Voa Vial 40ml - Hydrochloric Acid				
16WDUP	240-229857 D-5	Amber Glass 250ml - unpreserved				
16WDUP	240-229857-E-5	Amber Glass 250ml - unpreserved				
16WC1B	240-229857 A-6	Voa Vial 40ml - Hydrochloric Acid				
16WC1B	240-229857-B-6	Voa Vial 40ml - Hydrochloric Acid				
16WC1B	240-229857-C-6	Voa Vial 40ml - Hydrochloric Acid				
16WC1B	240-229857-D-6	Amber Glass 250ml - unpreserved				
16WC1B	240-229857 E-6	Amber Glass 250ml - unpreserved				

9/17/2025
1:48:31 PM

240-228857 Waybill

KEN CODDINGTON
5405200444
BLACKSBURG
2200 SOUTH MAIN STREET
BLACKSBURG VA 24060

50 LBS

1 OF 1

SHIP TO:
OPAL JOHNSON
330-966-9279
EUROFINS ENVIRONMENT TESTING AMERIC
180 S VAN BUREN AVENUE
BARBERTON OH 44203-3543

OH 443 9-05

UPS NEXT DAY AIR

1

TRACKING #: 1Z 237 301 01 9118 3415

BILLING: P/P

JOB# / If no Job#, enter a Division: 667639

CS 25.0.07. WNTNV50 31.0A 07/2025*

TM

GEL Laboratories LLC
a member of The GEL Group INC

2040 Savage Road | Charleston, SC 29407
843.556.8171
gel.com

August 12, 2025

Ms. Janet Frazier
TRC Engineers, Inc.
2200 South Main St. Suite A
Blacksburg, Virginia 24060

Re: RAAP
Work Order: 735995

Dear Ms. Frazier:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 31, 2025. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4485.

Sincerely,

Jessica Skriba

Jessica Skriba for
Valerie Davis
Project Manager

Purchase Order: 233740
Enclosures

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Case Narrative

Receipt Narrative
for
TRC Engineers, Inc.
SDG: 735995

August 12, 2025

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on July 31, 2025 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
735995001	16C1
735995002	16MW8
735995003	16MW9
735995004	16WC1A
735995005	16WDUP
735995006	16WC1B

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: GC/MS Semivolatile.



Jessica Skriba for
Valerie Davis
Project Manager

GEL Laboratories LLC 2040 Savage Road | Charleston, SC 29407 843.556.8171 gel.com

Chain of Custody and Supporting Documentation

CHAIN OF CUSTODY RECORD

735995

Laboratory: GEL Laboratories, LLC - 2040 Savage Road - 2040 Savage Road Charleston, SC - 29407 - Direct: 843.769.7391 - Valerie Davis: Valerie.Davis@gel.com

Client: 0 Attn: 0 Address: 0 0 Phone: 0 Fax: 0 Fax: 0	Consultant: TRC Engineers Inc (formerly DAA) Attn: Janet C. Frazier Address: 2200 South Main Street Suite 1 Blacksburg, Virginia 24060 Phone: (540) 552-0444 Fax:	Sample Site: RFAAP, Radford, Virginia Location: HWMU16 Event: 3Q 2025 Annual GW Monitoring Event DAA JN: 667639 Lab JN:	Project Specific (PS) QC: YES as indicated Sample Collection for Project Complete? YES UPS 1Z 237 301 01 9163 3456 Carrier: ↓ ↓ ↓ ↓ -9172-8041 Tracking Number:

Box 1: Matrix
SW Surface Water; GW Groundwater; L Leachate; S Soil; T Trip Blank; E Equipment Blank; P Product; O Other

Box 2: Preservative
A HCL; B HNO_3; C H_2SO_4; D $Na_2S_2O_3$; E NaOH; F ZnAc; G Other (Specify); H None

Box 3: Filtered/Unfiltered
F Filtered; U Unfiltered

Box 4: Sample Type
G Grab; C Composite

Box 5: Sample Container Type
P Plastic; V VOA; AG Amber Glass; CG Clear Glass

Invoice
Copy to Consultant: YES
Bill: CLIENT OTHER
Preserved and shipped on ice: YES

Box 4 - Sample Type		G									
Box 3 - Filtered/Unfiltered		U									
Required pH of Sample											
Box 2 - Preservative		H									
Box 5 - Sample Container Type		2-1L AG									

Sample ID	Date: 2025	Time	Box 1: Matrix	Number of Bottles		8270E/3510C (Semivolatiles)see note section for 4 analytes only								
16C1	7/30	1420	GW	2		X								
16MW8	7/29	1120	GW	2		X								
16MW9	7/30	1315	GW	2		X								
16WC1A	7/30	1105	GW	6		X								USE FOR QC
16WDUP	7/30	0925	GW	2		X								
16WC1B	7/30	0945	GW	2		X								

GENERAL NOTES:
1. Report results to detection limit, with J flags, for italicized wells.
2. VELAP accreditation required. (#13183 expires 12/14/2025)
3. FULL/Comprehensive Deliverable with EDD .
4. Report to these Permit Specified QL and MDL below.

REPORT ONLY:
dimethylphthalate permit QL 10 ug/l/DL 0.5 ug/l;
di-n-octylphthalate QL 10 ug/l, DL 0.8 ug/l
a,a- dimethylphenethylamine (cas 122-09-8) QL 50 ug/l/DL 5 ug/l
and hexachlorophene QL 500 ug/l/DL 185 ug/l.

PO# 233740 JUK 7.21.25

Clients Special Instructions:

Received by lab in Good Condition ____ Yes ____ No Custody Seal Intact ____ Yes ____ No Temperature upon arrival ____ Received on Ice ____ Yes ____ No
Describe problems, if any:

Sampler Name (Print): KEN CODDINGTON	Date: 7/29/25	#1 Relinquished by (Signature):	Date: 7/30/25	#2 Relinquished by (Signature):	Date:	Sample Storage
Sampler Signature:	Time: 0700	Company Name: TRC	Time: 1700	Company Name:	Time:	Time Requested:
Sampler Name (Print): Alexa Prater	Date: 7/29/25	#1 Received by (Signature):	Date: 7/31/25	#2 Received by (Signature):	Date:	30 DYS ORG/6 MTHS INORG
Sampler Signature:	Time: 0700	Company Name: GEL	Time: 1020	Company Name:	Time:	

Page 1 OF 1 JUK 6.25.25

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DPAA/TECI	SDG/AR/COC/Work Order: 735995		GEL PM: VO
Received By: KE	Date Received at GEL: 7/31/25		

Carrier (Circle Applicable)
FedEx Express FedEx Ground (UPS) Field Services Courier Client Other:

IR Temp gun # IR1-25 Daily Calibration Performed? (Y) N

Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).	Tracking Number	Temp (C)	If over 6 °C, check if samples do not require cold preservation (ie radiochem only).
12 237 301 01 9172 8041	0°				
12 237 301 01 9163 3456	0°				

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
A)Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#: If UN2910, Is the Radioactive Shipment Survey Compliant? Yes___ No___
B) Did the client designate the samples are to be received as radioactive?		✓	COC notation or radioactive stickers on containers equal client designation.
C) Did the RSO classify the samples as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM/mR/Hr Classified as: Rad 1 Rad 2 Rad 3
D) Are there any sample hazards to document?		✓	If yes, select Hazards below. PCBs Flammable Foreign Soil RCRA Asbestos Beryllium Corrosive Other:
E) Was a SDS received and reviewed by Lab Safety?		✓	Circle Applicable: See additional Comments below. No additional comments needed after review.

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Direct client dropoff Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	✓			Circle Applicable: Client contacted and provided COC COC created upon receipt
3	If there are samples requiring cold preservation, did they arrive within (0 < 6 °C)?	✓			Preservation Method: (Wet Ice) Ice Packs Dry Ice None Other: *all temperatures recorded next to tracking numbers are in Celcius
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?		✓		Preserved per COC request or list Sample IDs and Containers Affected: If Preservation added, Lot#:
6	Do any samples require Volatile Analysis? (If yes, answer all three additional questions.)			✓	If Yes, are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do liquid VOA vials contain acid preservation? Yes___ No___ NA___ (If unknown, select No) Are liquid VOA vials free of headspace? Yes___ No___ NA___ Sample IDs and containers affected:
7	Samples received within holding time?	✓			IDs and tests affected:
8	Sample IDs on COC match IDs on bottles?	✓			IDs and containers affected:
9	Date & time on COC match date & time on bottles?	✓			Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
10	Number of containers received match number indicated on COC?	✓			Circle Applicable: No container count on COC Missing Container (provide details) Other (describe)
11	Are sample containers identifiable as GEL provided by use of GEL labels?			✓	
12	COC form is properly signed in relinquished/received sections?	✓			Circle Applicable: Not relinquished Other (describe)

Comments:

PM (or PMA) review: Initials GS Date 8/1/25

☐ Continuation Form Required when selected

Laboratory Certifications

List of current GEL Certifications as of 12 August 2025

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-00651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	525-24-281-19660
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	KY90129
Kentucky Wastewater	KY90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2023019
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	NV-C24-00175
New Hampshire NELAP	205424
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2023-152
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235
Utah NELAP	SC000122024-45
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Semi-Volatile Analysis

Case Narrative

GC/MS Semivolatile
Technical Case Narrative
TRC Engineers, Inc.
SDG #: 735995

Product: **Analysis of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry**
Analytical Method: SW846 3510C/8270E
Analytical Procedure: GL-OA-E-009 REV# 52
Analytical Batch: 2839582

Preparation Method: SW846 3510C
Preparation Procedure: GL-OA-E-013 REV# 36
Preparation Batch: 2839580

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735995001	16C1
735995002	16MW8
735995003	16MW9
735995004	16WC1A
735995005	16WDUP
735995006	16WC1B
1206188054	Method Blank (MB)
1206188055	Laboratory Control Sample (LCS)
1206188060	735995004(16WC1A) Matrix Spike (MS)
1206188061	735995004(16WC1A) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Calibration Information

CCV Requirements
All Calibration Verification Standards (CCV) did not meet the acceptance criteria as outlined in Method 8270 for samples 735995001 (16C1), 735995002 (16MW8), 735995003 (16MW9), 735995004 (16WC1A), 735995005 (16WDUP) and 735995006 (16WC1B) and the associated QC for one or more target analytes. The samples were re-analyzed on an instrument that passed CCV acceptance criteria. The re-analyses confirmed the absence of the target analytes in the samples. The data are therefore reported from the original analyses only for all target analytes.

Quality Control (QC) Information

Surrogate Recoveries

Sample (See Below) did not meet surrogate recovery acceptance criteria. The sample was re-extracted out of holding and met acceptance criteria for all surrogates. There were no target analytes detected in either extraction. The PM was notified. Both sets of data were reported and qualified accordingly.

Sample	Analyte	Value
735995006 (16WC1B)	2, 4, 6-Tribromophenol	30* (31%-126%)
	2-Fluorobiphenyl	33* (35%-107%)
	2-Fluorophenol	14* (15%-72%)
	Phenol-d5	11* (15%-85%)

Laboratory Control Sample (LCS) Recovery
The LCS and/or LCSD (See Below) did not meet spike recovery acceptance criteria. The LCS and LCSD were fortified with all target compounds and some of these are subject to loss during the extraction process as noted in the method. Other compounds are prone to degradation and low recovery due to chemical interactions with other compounds in the spike standards. The data were reported.

Sample	Analyte	Value
1206188055 (LCS)	a, a-Dimethylphenethylamine	0* (15%-150%)

Spike Recovery Statement
The MS and/or MSD (See Below) did not meet spike recovery acceptance criteria. The MS and MSD were fortified with all target compounds and some of these are subject to loss during the extraction process as noted in the method. Other compounds are prone to degradation and low recovery due to chemical interactions with other compounds in the spike standards. The data were reported.

Sample	Analyte	Value
1206188060 (16WC1AMS)	a, a-Dimethylphenethylamine	0* (15%-150%)
1206188061 (16WC1AMSD)	a, a-Dimethylphenethylamine	0* (15%-150%)

Technical Information

Sample Re-extraction/Re-analysis
Samples 1206188061 (16WC1AMSD), 735995001 (16C1), 735995002 (16MW8), 735995003 (16MW9), 735995004 (16WC1A), 735995005 (16WDUP) and 735995006 (16WC1B) and associated QC samples were re-analyzed for non-detect confirmation of target analyte, a,a-Dimethylphenethylamine. The re-analysis confirmed confirmed the absence of the target analyte and the initial data were reported.

Miscellaneous Information

Additional Comments
Diphenylamine Statement
Diphenylamine has superseded the reporting of N-Nitroso-diphenylamine. As per the EPA, N-Nitroso-diphenylamine decomposes in the gas chromatographic inlet and cannot be separated from Diphenylamine. Studies of these two compounds at GEL, both independent of each other and together, showed that they not only co-elute, but also have similar mass spectra. N-Nitroso-diphenylamine and Diphenylamine are therefore reported as Diphenylamine on all reports and forms.

Product: **Analysis of Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry**
Analytical Method: SW846 3510C/8270E
Analytical Procedure: GL-OA-E-009 REV# 52
Analytical Batch: 2843225

Preparation Method: SW846 3510C
Preparation Procedure: GL-OA-E-013 REV# 36
Preparation Batch: 2843222

The following samples were analyzed using the above methods and analytical procedure(s).

GEL Sample ID#	Client Sample Identification
735995006	16WC1B
1206195033	Method Blank (MB)
1206195034	Laboratory Control Sample (LCS)
1206195037	736921001(NonSDG) Matrix Spike (MS)
1206195038	736921001(NonSDG) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Quality Control (QC) Information

Laboratory Control Sample (LCS) Recovery

The LCS and/or LCSD (See Below) did not meet spike recovery acceptance criteria. The LCS and LCSD were fortified with all target compounds and some of these are subject to loss during the extraction process as noted in the method. Other compounds are prone to degradation and low recovery due to chemical interactions with other compounds in the spike standards. The data were reported.

Sample	Analyte	Value
1206195034 (LCS)	a, a-Dimethylphenethylamine	0* (15%-150%)

Spike Recovery Statement

The MS and/or MSD (See Below) did not meet spike recovery acceptance criteria. The MS and MSD were fortified with all target compounds and some of these are subject to loss during the extraction process as noted in the method. Other compounds are prone to degradation and low recovery due to chemical interactions with other compounds in the spike standards. The data were reported.

Sample	Analyte	Value
1206195037 (Non SDG 736921001MS)	a, a-Dimethylphenethylamine	11* (15%-150%)
1206195038 (Non SDG 736921001MSD)	a, a-Dimethylphenethylamine	0* (15%-150%)

MS/MSD Relative Percent Difference (RPD) Statement

The relative percent differences (RPD) for the MS and MSD, (See Below), were not within the acceptance limits. The MS and MSD were fortified with all target compounds and some of these are subject to loss during the extraction process as noted in the method. Other compounds are prone to degradation and low recovery due to chemical interactions with other compounds in the spike standards. This may account for the low recoveries which attributed to the RPD failures. The data were reported.

Sample	Analyte	Value

1206195037MS and 1206195038MSD (Non SDG 736921001)	a, a-Dimethylphenethylamine	200* (0%-30%)

Technical Information

Holding Time Specifications

Sample (See Below) was re-extracted out of holding due to surrogate failure. The re-extraction met acceptance criteria for all surrogates. There were no target analytes detected in either extraction. The PM was notified. Both sets of data were reported and qualified accordingly.

Sample	Value
735995006 (16WC1B)	Received 31-JUL-25, within holding, prepped 08-AUG-25, out of holding 06-AUG-25

Miscellaneous Information

Additional Comments

Diphenylamine Statement

Diphenylamine has superseded the reporting of N-Nitroso-diphenylamine. As per the EPA, N-Nitroso-diphenylamine decomposes in the gas chromatographic inlet and cannot be separated from Diphenylamine. Studies of these two compounds at GEL, both independent of each other and together, showed that they not only co-elute, but also have similar mass spectra. N-Nitroso-diphenylamine and Diphenylamine are therefore reported as Diphenylamine on all reports and forms.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Qualifier Definition Report
for

TRCI001 TRC Engineers, Inc.

Client SDG: 735995 GEL Work Order: 735995

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
B The target analyte was detected in the associated blank.
J Value is estimated
U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
h Preparation or preservation holding time was exceeded

DL Indicates that sample is diluted.
RA Indicates that sample is re-analyzed without re-extraction.
RE Indicates that sample is re-extracted.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature:  **Name: Barbara Bailey**

Date: 26 AUG 2025 **Title: Data Validator**

Sample Data Summary

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 14:20**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995001**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16C1**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 19:59**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1020.56 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0414.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.294	ug/L	0.294	0.980
117-84-0	Di-n-octylphthalate	U	0.294	ug/L	0.294	0.980
122-09-8	a,a-Dimethylphenethylamine	U	2.94	ug/L	2.94	9.80
70-30-4	Hexachlorophene	U	164	ug/L	164	490

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/29/2025 11:20**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995002**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16MW8**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 20:19**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1004.96 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0415.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.299	ug/L	0.299	0.995
117-84-0	Di-n-octylphthalate	U	0.299	ug/L	0.299	0.995
122-09-8	a,a-Dimethylphenethylamine	U	2.99	ug/L	2.99	9.95
70-30-4	Hexachlorophene	U	166	ug/L	166	498

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 13:15**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995003**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16MW9**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 20:40**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1020.12 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0416.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.294	ug/L	0.294	0.980
117-84-0	Di-n-octylphthalate	U	0.294	ug/L	0.294	0.980
122-09-8	a,a-Dimethylphenethylamine	U	2.94	ug/L	2.94	9.80
70-30-4	Hexachlorophene	U	164	ug/L	164	490

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 11:05**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995004**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WC1A**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 21:01**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0417.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.300	ug/L	0.300	1.00
87-86-5	Pentachlorophenol	U	3.00	ug/L	3.00	10.0
117-84-0	Di-n-octylphthalate	U	0.300	ug/L	0.300	1.00
122-09-8	a,a-Dimethylphenethylamine	U	3.00	ug/L	3.00	10.0
70-30-4	Hexachlorophene	U	167	ug/L	167	500

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 09:25**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995005**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WDUP**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 22:04**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1022.39 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0420.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.293	ug/L	0.293	0.978
87-86-5	Pentachlorophenol	U	2.93	ug/L	2.93	9.78
117-84-0	Di-n-octylphthalate	U	0.293	ug/L	0.293	0.978
122-09-8	a,a-Dimethylphenethylamine	U	2.93	ug/L	2.93	9.78
70-30-4	Hexachlorophene	U	163	ug/L	163	489

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 09:45**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995006**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WC1BRE**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2843225**	**Inst:**	**MSD2.I**	**Dilution:**	**1**
Run Date:	**08/08/2025 17:50**	**Analyst:**	**NM1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/08/2025 11:40**	**Aliquot:**	**982.3 mL**	**Final Volume:**	**1 mL**
Data File:	**s080825.s\s2H0810.D**	**Column:**	**DB-5ms**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	hU	0.305	ug/L	0.305	1.02
117-84-0	Di-n-octylphthalate	hU	0.305	ug/L	0.305	1.02
122-09-8	a,a-Dimethylphenethylamine	hU	3.05	ug/L	3.05	10.2
70-30-4	Hexachlorophene	hU	170	ug/L	170	509

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 09:45**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995006**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WC1B**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 22:25**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**983.68 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0421.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.305	ug/L	0.305	1.02
117-84-0	Di-n-octylphthalate	U	0.305	ug/L	0.305	1.02
122-09-8	a,a-Dimethylphenethylamine	U	3.05	ug/L	3.05	10.2
70-30-4	Hexachlorophene	U	170	ug/L	170	508

Quality Control Summary

Surrogate Recovery Report

SDG Number: 735995

Matrix Type: LIQUID

Sample ID	Client ID	2FP %REC	PHL %REC	NBZ %REC	FBP %REC	TBP %REC	TPH %REC
1206188054	MB for batch 2839580	34	23	60	59	64	64
1206188055	LCS for batch 2839580	32	24	60	59	68	65
735995001	16C1	28	19	57	54	64	42
735995002	16MW8	26	17	63	60	68	45
735995003	16MW9	22	16	55	49	53	25
735995004	16WC1A	35	23	60	61	70	55
1206188060	16WC1AMS	49	40	63	62	72	68
1206188061	16WC1AMSD	43	37	53	50	60	56
735995005	16WDUP	33	23	61	58	66	42
735995006	16WC1B	14 *	11 *	35	33 *	30 *	20
1206195033	MB for batch	35	27	69	73	71	63
1206195034	LCS for batch	28	21	47	48	52	46
735995006	16WC1BRE	40	27	69	65	70	53
1206195037	WST48-25-372955MS	60	57	66	61	71	65
1206195038	WST48-25-372955MSD	61	57	68	61	71	67

Surrogate		Acceptance Limits
2FP	= 2-Fluorophenol	(15%-72%)
PHL	= Phenol-d5	(15%-85%)
NBZ	= Nitrobenzene-d5	(34%-107%)
FBP	= 2-Fluorobiphenyl	(35%-107%)
TBP	= 2,4,6-Tribromophenol	(31%-126%)
TPH	= p-Terphenyl-d14	(20%-118%)

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

Semi-Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: 735995
Sample Type: Laboratory Control Sample
Client ID: LCS for batch 2839580
Matrix: WATER
Lab Sample ID: 1206188055
Instrument: MSDB.I
Analysis Date: 08/04/2025 17:08
Dilution: 1
Analyst: LL2
Prep Batch ID: 2839580
Inj. Vol: 1 uL
Batch ID: 2839582

CAS No.		Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
131-11-3	LCS	Dimethylphthalate	50.0	0.0	34.6	69	54-126
87-86-5	LCS	Pentachlorophenol	50.0	0.0	38.8	78	38-128
117-84-0	LCS	Di-n-octylphthalate	50.0	0.0	35.6	71	45-128
122-09-8	LCS	a,a-Dimethylphenethylamine	50.0	0.0	0.000	0 *	15-150
70-30-4	LCS	Hexachlorophene	1250	0.0	674	54	30-106

Semi-Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: 735995
Sample Type: Matrix Spike
Client ID: 16WC1AMS
Matrix: GROUND WATER
Lab Sample ID: 1206188060
Instrument: MSDB.I
Analysis Date: 08/04/2025 21:22
Dilution: 1
Analyst: LL2
Prep Batch ID: 2839580
Inj. Vol: 1 uL
Batch ID: 2839582

CAS No.		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
131-11-3	MS	Dimethylphthalate	100	0.000	U	73.6	74	42-130
87-86-5	MS	Pentachlorophenol	100	0.000	U	62.4	62	29-140
117-84-0	MS	Di-n-octylphthalate	100	0.000	U	79.3	79	35-132
122-09-8	MS	a,a-Dimethylphenethylamine	100	0.000	U	0.000	0 *	15-150
70-30-4	MS	Hexachlorophene	2500	0.000	U	501	20	15-150

Semi-Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: 735995
Sample Type: Matrix Spike Duplicate
Client ID: 16WC1AMSD
Matrix: GROUND WATER
Lab Sample ID: 1206188061
Instrument: MSDB.I
Analysis Date: 08/04/2025 21:43
Dilution: 1
Analyst: LL2
Prep Batch ID: 2839580
Inj. Vol: 1 uL
Batch ID: 2839582

CAS No.		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
131-11-3	MSD	Dimethylphthalate	100	0.000	U	59.9	60	42-130	21	0-30
87-86-5	MSD	Pentachlorophenol	100	0.000	U	50.8	51	29-140	20	0-30
117-84-0	MSD	Di-n-octylphthalate	100	0.000	U	64.6	65	35-132	20	0-30
122-09-8	MSD	a,a-Dimethylphenethylamine	100	0.000	U	0.000	0 *	15-150	0	0-30
70-30-4	MSD	Hexachlorophene	2500	0.000	U	474	19	15-150	5	0-30

Semi-Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: 735995
Sample Type: Laboratory Control Sample
Client ID: LCS for batch
Matrix: WATER
Lab Sample ID: 1206195034
Instrument: MSD2.I
Analysis Date: 08/08/2025 16:34
Dilution: 1
Analyst: NM1
Prep Batch ID: 2843222
Inj. Vol: 1 uL
Batch ID: 2843225

CAS No.		Parmname	Amount Added ug/L	Sample Conc. ug/L	Spike Conc. ug/L	Recovery %	Acceptance Limits
131-11-3	LCS	Dimethylphthalate	50.0	0.0	27.7	55	54-126
117-84-0	LCS	Di-n-octylphthalate	50.0	0.0	25.3	51	45-128
122-09-8	LCS	a,a-Dimethylphenethylamine	50.0	0.0	0.000	0 *	15-150
70-30-4	LCS	Hexachlorophene	1250	0.0	532	43	30-106

Quality Control Summary
Spike Recovery Report

SDG Number: **735995**
Sample Type: **Matrix Spike**
Client ID: **WST48-25-372955MS**
Matrix: **W**
Lab Sample ID: **1206195037**
Instrument: **MSD2.I**
Analysis Date: **08/08/2025 19:56**
Dilution: **1**
Analyst: **NM1**
Prep Batch ID: **2843222**
Inj. Vol: **1 uL**
Batch ID: **2843225**

CAS No.		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits
131-11-3	MS	Dimethylphthalate	154	0.000	U	114	74	42-130
117-84-0	MS	Di-n-octylphthalate	154	0.000	U	121	79	35-132
122-09-8	MS	a,a-Dimethylphenethylamine	154	0.000	U	16.8	11 *	15-150
70-30-4	MS	Hexachlorophene	3850	0.000	U	1740	45	15-150

Semi-Volatile

Quality Control Summary
Spike Recovery Report

SDG Number: 735995
Sample Type: Matrix Spike Duplicate
Client ID: WST48-25-372955MSD
Matrix: W
Lab Sample ID: 1206195038
Instrument: MSD2.I
Analysis Date: 08/08/2025 20:21
Dilution: 1
Analyst: NM1
Prep Batch ID: 2843222
Inj. Vol: 1 uL
Batch ID: 2843225

CAS No.		Parmname	Amount Added ug/L	Sample Conc. ug/L		Spike Conc. ug/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
131-11-3	MSD	Dimethylphthalate	154	0.000	U	119	77	42-130	4	0-30
117-84-0	MSD	Di-n-octylphthalate	154	0.000	U	126	82	35-132	4	0-30
122-09-8	MSD	a,a-Dimethylphenethylamine	154	0.000	U	0.000	0 *	15-150	200 *	0-30
70-30-4	MSD	Hexachlorophene	3850	0.000	U	1890	49	15-150	8	0-30

Method Blank Summary

SDG Number:	**735995**	**Client:**	**TRCI001**		
Client ID:	**MB for batch 2839580**	**Instrument ID:**	**MSDB.I**	**Data File:**	**s080425\sBH0405.D**
Lab Sample ID:	**1206188054**	**Prep Date:**	**08/04/2025 11:23**	**Analyzed:**	**08/04/25 16:47**
Column:	**DB-5ms GC Column, 25 m**				

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 2839580	1206188055	s080425\sBH0406.D	08/04/25	1708
02	16C1	735995001	s080425\sBH0414.D	08/04/25	1959
03	16MW8	735995002	s080425\sBH0415.D	08/04/25	2019
04	16MW9	735995003	s080425\sBH0416.D	08/04/25	2040
05	16WC1A	735995004	s080425\sBH0417.D	08/04/25	2101
06	16WC1AMS	1206188060	s080425\sBH0418.D	08/04/25	2122
07	16WC1AMSD	1206188061	s080425\sBH0419.D	08/04/25	2143
08	16WDUP	735995005	s080425\sBH0420.D	08/04/25	2204
09	16WC1B	735995006	s080425\sBH0421.D	08/04/25	2225

Method Blank Summary

SDG Number:	**735995**	**Client:**	**TRCI001**		
Client ID:	**MB for batch**	**Instrument ID:**	**MSD2.I**	**Data File:**	**s080825.s\s2H0806.D**
Lab Sample ID:	**1206195033**	**Prep Date:**	**08/08/2025 11:40**	**Analyzed:**	**08/08/25 16:09**
Column:	**DB-5ms**				

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch	1206195034	s080825.s\s2H0807.D	08/08/25	1634
02	16WC1BRE	735995006	s080825.s\s2H0810.D	08/08/25	1750
03	WST48-25-372955MS	1206195037	s080825.s\s2H0815.D	08/08/25	1956
04	WST48-25-372955MSD	1206195038	s080825.s\s2H0816.D	08/08/25	2021

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC **Client SDG:** 735995

Instrument ID: MSD2.I **Injection Date/Time:** 12-JUN-25 14:00

Column Description: DB-5ms **Lab File ID** s061225_ICAL.s\s2F1201.D

m/e	Ion Abundance Criteria	% Relative Abundance
68	Less than 2% of mass 69	1.6
69	Present	43.1
70	Less than 2% of mass 69	0.5
197	Less than 2% of mass 198	0.7
198	Base Peak or Present	88.5
199	5 - 9% of mass 198	6.6
365	Greater than 1% of Base Peak	3.4
441	Less than 150% of mass 443	84.3
442	Base Peak or Present	100
443	15 - 24% of mass 442	19.3

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD,BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
ICALMIX[A]	WBN250513-01.1	s061225_ICAL.s\s2F1202.D	12-JUN-25 14:19
ICALMIX[A]	WBN250513-02.1	s061225_ICAL.s\s2F1203.D	12-JUN-25 14:44
ICALMIX[A]	WBN250513-03.1	s061225_ICAL.s\s2F1204.D	12-JUN-25 15:09
ICALMIX[A]	WBN250513-04.1	s061225_ICAL.s\s2F1205.D	12-JUN-25 15:34
ICALMIX[A]	WBN250513-05	s061225_ICAL.s\s2F1206.D	12-JUN-25 15:59
ICALMIX[A]	WBN250513-06	s061225_ICAL.s\s2F1207.D	12-JUN-25 16:24
ICALMIX[A]	WBN250513-07	s061225_ICAL.s\s2F1208.D	12-JUN-25 16:49
ICALMIX[A]	WBN250513-08	s061225_ICAL.s\s2F1209.D	12-JUN-25 17:15
ICVMIX[A]01	WBN250224-04.12	s061225_ICAL.s\s2F1210.D	12-JUN-25 17:40
ICALMIX[B,J]	WBN250513-51.1	s061225_ICAL.s\s2F1211.D	12-JUN-25 18:05
ICALMIX[B,J]	WBN250513-52	s061225_ICAL.s\s2F1212.D	12-JUN-25 18:27
ICALMIX[B,J]	WBN250513-53	s061225_ICAL.s\s2F1213.D	12-JUN-25 18:50
ICALMIX[B,J]	WBN250513-54.1	s061225_ICAL.s\s2F1214.D	12-JUN-25 19:13
ICALMIX[B,J]	WBN250513-55	s061225_ICAL.s\s2F1215.D	12-JUN-25 19:36
ICALMIX[B,J]	WBN250513-56	s061225_ICAL.s\s2F1216.D	12-JUN-25 19:58
ICALMIX[B,J]	WBN250513-57	s061225_ICAL.s\s2F1217.D	12-JUN-25 20:21
ICALMIX[B,J]	WBN250513-58	s061225_ICAL.s\s2F1218.D	12-JUN-25 20:44
ICALMIX[B,J]	WBN250513-59	s061225_ICAL.s\s2F1219.D	12-JUN-25 21:06

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC **Client SDG:** 735995

Instrument ID: MSD2.I **Injection Date/Time:** 12-JUN-25 21:29

Column Description: DB-5ms **Lab File ID** s061225_ICAL.s\s2F1220.D

m/e	Ion Abundance Criteria	% Relative Abundance
68	Less than 2% of mass 69	1.6
69	Present	41.3
70	Less than 2% of mass 69	0.4
197	Less than 2% of mass 198	0.7
198	Base Peak or Present	83.9
199	5 - 9% of mass 198	6.8
365	Greater than 1% of Base Peak	3.6
441	Less than 150% of mass 443	85.3
442	Base Peak or Present	100
443	15 - 24% of mass 442	19.6

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD,BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
ICVMIX[B,J]02	WBN250501-54	s061225_ICAL.s\s2F1221.D	12-JUN-25 21:48
ICALMIX[E]	WBN250602-31.1	s061225_ICAL.s\s2F1230.D	13-JUN-25 00:43
ICALMIX[E]	WBN250602-32	s061225_ICAL.s\s2F1231.D	13-JUN-25 01:02
ICALMIX[E]	WBN250602-33	s061225_ICAL.s\s2F1232.D	13-JUN-25 01:21
ICALMIX[E]	WBN250602-34	s061225_ICAL.s\s2F1233.D	13-JUN-25 01:40
ICALMIX[E]	WBN250602-35	s061225_ICAL.s\s2F1234.D	13-JUN-25 01:59
ICALMIX[E]	WBN250602-37	s061225_ICAL.s\s2F1235.D	13-JUN-25 02:18
ICVMIX[E]03	WBN250602-38	s061225_ICAL.s\s2F1236.D	13-JUN-25 02:38
CCVMIX[A]01	WBN250711-04.9	s080825.s\s2H0802.D	08-AUG-25 12:44
CCVMIX[B,J]02	WBN250613-54.23	s080825.s\s2H0803.D	08-AUG-25 13:10
CCVMIX[E]03	WBN250724-33.3	s080825.s\s2H0805.D	08-AUG-25 13:51
BLK02	1206195033	s080825.s\s2H0806.D	08-AUG-25 16:09
BLK02LCS	1206195034	s080825.s\s2H0807.D	08-AUG-25 16:34
16WC1BRE	735995006	s080825.s\s2H0810.D	08-AUG-25 17:50
WST48-25-372955MS	1206195037	s080825.s\s2H0815.D	08-AUG-25 19:56
WST48-25-372955MSD	1206195038	s080825.s\s2H0816.D	08-AUG-25 20:21

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC **Client SDG:** 735995

Instrument ID: MSDB.I **Injection Date/Time:** 27-JUN-25 17:08

Column Description: DB-5ms GC Column, 25 m, 0.20 m **Lab File ID** s062725_ICAL\sBF2701.D

m/e	Ion Abundance Criteria	% Relative Abundance
68	Less than 2% of mass 69	0
69	Present	14.7
70	Less than 2% of mass 69	0.5
197	Less than 2% of mass 198	0
198	Base Peak or Present	78.6
199	5 - 9% of mass 198	6.7
365	Greater than 1% of Base Peak	2.2
441	Less than 150% of mass 443	89
442	Base Peak or Present	100
443	15 - 24% of mass 442	18.5

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD,BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
ICALMIX[A]	WBN250513-01.1	s062725_ICAL\sBF2702.D	27-JUN-25 17:24
ICALMIX[A]	WBN250513-02.1	s062725_ICAL\sBF2703.D	27-JUN-25 17:48
ICALMIX[A]	WBN250513-03.1	s062725_ICAL\sBF2704.D	27-JUN-25 18:12
ICALMIX[A]	WBN250513-04.1	s062725_ICAL\sBF2705.D	27-JUN-25 18:36
ICALMIX[A]	WBN250513-05	s062725_ICAL\sBF2706.D	27-JUN-25 19:00
ICALMIX[A]	WBN250513-06	s062725_ICAL\sBF2707.D	27-JUN-25 19:24
ICALMIX[A]	WBN250513-07	s062725_ICAL\sBF2708.D	27-JUN-25 19:48
ICALMIX[A]	WBN250513-08	s062725_ICAL\sBF2709.D	27-JUN-25 20:12
ICVMIX[A]01	WBN250224-04.11	s062725_ICAL\sBF2710.D	27-JUN-25 20:36
ICALMIX[B,J]	WBN250513-51.1	s062725_ICAL\sBF2711.D	27-JUN-25 21:00
ICALMIX[B,J]	WBN250513-52	s062725_ICAL\sBF2712.D	27-JUN-25 21:21
ICALMIX[B,J]	WBN250513-53	s062725_ICAL\sBF2713.D	27-JUN-25 21:42
ICALMIX[B,J]	WBN250513-54.1	s062725_ICAL\sBF2714.D	27-JUN-25 22:02
ICALMIX[B,J]	WBN250513-55	s062725_ICAL\sBF2715.D	27-JUN-25 22:23
ICALMIX[B,J]	WBN250513-56	s062725_ICAL\sBF2716.D	27-JUN-25 22:44
ICALMIX[B,J]	WBN250513-57	s062725_ICAL\sBF2717.D	27-JUN-25 23:05
ICALMIX[B,J]	WBN250513-58	s062725_ICAL\sBF2718.D	27-JUN-25 23:26
ICALMIX[B,J]	WBN250513-59	s062725_ICAL\sBF2719.D	27-JUN-25 23:47

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC **Client SDG:** 735995

Instrument ID: MSDB.I **Injection Date/Time:** 27-JUN-25 17:08

Column Description: DB-5ms GC Column, 25 m, 0.20 m **Lab File ID** s062725_ICAL\sBF2701.D

m/e	Ion Abundance Criteria	% Relative Abundance
68	Less than 2% of mass 69	0
69	Present	14.7
70	Less than 2% of mass 69	0.5
197	Less than 2% of mass 198	0
198	Base Peak or Present	78.6
199	5 - 9% of mass 198	6.7
365	Greater than 1% of Base Peak	2.2
441	Less than 150% of mass 443	89
442	Base Peak or Present	100
443	15 - 24% of mass 442	18.5

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD,BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
ICVMIX[B,J]02	WBN250626-54	s062725_ICAL\sBF2720.D	28-JUN-25 00:08

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC **Client SDG:** 735995

Instrument ID: MSDB.I **Injection Date/Time:** 28-JUN-25 00:29

Column Description: DB-5ms GC Column, 25 m, 0.20 m **Lab File ID** s062725_ICAL\sBF2721.D

m/e	Ion Abundance Criteria	% Relative Abundance
68	Less than 2% of mass 69	0
69	Present	14.9
70	Less than 2% of mass 69	0
197	Less than 2% of mass 198	0
198	Base Peak or Present	79.9
199	5 - 9% of mass 198	6.8
365	Greater than 1% of Base Peak	2.3
441	Less than 150% of mass 443	84
442	Base Peak or Present	100
443	15 - 24% of mass 442	18.5

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD,BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
ICALMIX[E]	WBN250602-31.1	s062725_ICAL\sBF2730.D	28-JUN-25 03:08
ICALMIX[E]	WBN250602-32	s062725_ICAL\sBF2731.D	28-JUN-25 03:25
ICALMIX[E]	WBN250602-33	s062725_ICAL\sBF2732.D	28-JUN-25 03:43
ICALMIX[E]	WBN250602-34	s062725_ICAL\sBF2733.D	28-JUN-25 04:01
ICALMIX[E]	WBN250602-35	s062725_ICAL\sBF2734.D	28-JUN-25 04:19
ICALMIX[E]	WBN250602-37	s062725_ICAL\sBF2735.D	28-JUN-25 04:36
ICVMIX[E]03	WBN250602-38	s062725_ICAL\sBF2736.D	28-JUN-25 04:54
CCVMIX[A]01	WBN250711-04.2	s080425\sBH0402.D	04-AUG-25 15:38
CCVMIX[B,J]02	WBN250613-54.2	s080425\sBH0403.D	04-AUG-25 16:02
CCVMIX[E]03	WBN250724-33.3	s080425\sBH0404.D	04-AUG-25 16:23
BLK01	1206188054	s080425\sBH0405.D	04-AUG-25 16:47
BLK01LCS	1206188055	s080425\sBH0406.D	04-AUG-25 17:08
16C1	735995001	s080425\sBH0414.D	04-AUG-25 19:59
16MW8	735995002	s080425\sBH0415.D	04-AUG-25 20:19
16MW9	735995003	s080425\sBH0416.D	04-AUG-25 20:40
16WC1A	735995004	s080425\sBH0417.D	04-AUG-25 21:01
16WC1AMS	1206188060	s080425\sBH0418.D	04-AUG-25 21:22
16WC1AMSD	1206188061	s080425\sBH0419.D	04-AUG-25 21:43

Instrument Performance Check

DFTPP

Lab Name GEL Laboratories LLC **Client SDG:** 735995

Instrument ID: MSDB.I **Injection Date/Time:** 28-JUN-25 00:29

Column Description: DB-5ms GC Column, 25 m, 0.20 m **Lab File ID** s062725_ICAL\sBF2721.D

m/e	Ion Abundance Criteria	% Relative Abundance
68	Less than 2% of mass 69	0
69	Present	14.9
70	Less than 2% of mass 69	0
197	Less than 2% of mass 198	0
198	Base Peak or Present	79.9
199	5 - 9% of mass 198	6.8
365	Greater than 1% of Base Peak	2.3
441	Less than 150% of mass 443	84
442	Base Peak or Present	100
443	15 - 24% of mass 442	18.5

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, LCS, LCSD,BLANKS AND STANDARDS

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
16WDUP	735995005	s080425\sBH0420.D	04-AUG-25 22:04
16WC1B	735995006	s080425\sBH0421.D	04-AUG-25 22:25

Internal Standard
Area and RT Summary

Lab Name : GEL Laboratories LLC

Client SDG: 735995

Instrument: MSD2.I

STD Analysis Time: 08-AUG-25 12:44

GC Column: DB-5ms

Data File: s080825.s\s2H0802.D

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area #	RT #	Area #	RT #	Area #	RT #	Area #	RT #	Area #	RT #	Area #	RT #
12 Hour STD	196038	4.85	724104	6.56	364045	8.4	729471	9.73	818812	12.17	814994	14.55
Upper Limit	392076	5.35	1448208	7.06	728090	8.9	1458942	10.23	1637624	12.67	1629988	15.05
Lower Limit	98019	4.35	362052	6.06	182023	7.9	364736	9.23	409406	11.67	407497	14.05
Sample ID												
BLK02	195958	4.84	732865	6.56	365151	8.4	754183	9.73	815996	12.2	804823	14.6
BLK02LCS	195126	4.85	740990	6.56	377101	8.4	765010	9.73	865523	12.2	881358	14.6
16WC1BRE	201909	4.85	793207	6.56	408571	8.41	839047	9.73	902734	12.2	954689	14.6
WST48-25-372955MS	209993	4.85	825295	6.56	418114	8.41	837152	9.73	931529	12.2	947736	14.6
WST48-25-372955MSD	222723	4.85	867106	6.56	454160	8.41	884843	9.73	956802	12.2	968827	14.6

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = + 0.50 minutes of internal standard RT
RT Lower Limit = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Value outside of QC Limits

Internal Standard
Area and RT Summary

Lab Name : GEL Laboratories LLC

Client SDG: 735995

Instrument: MSDB.I

STD Analysis Time: 04-AUG-25 15:38

GC Column: DB-5ms GC Column, 25 m, 0.20 mm, 0.33

Data File: s080425\sBH0402.D

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area #	RT #	Area #	RT #	Area #	RT #	Area #	RT #	Area #	RT #	Area #	RT #
12 Hour STD	390604	4.12	1339705	5.52	733344	7.26	1549508	8.57	1915523	11.01	2084250	13.24
Upper Limit	781208	4.62	2679410	6.02	1466688	7.76	3099016	9.07	3831046	11.51	4168500	13.74
Lower Limit	195302	3.62	669853	5.02	366672	6.76	774754	8.07	957762	10.51	1042125	12.74
Sample ID												
BLK01	439750	4.12	1561501	5.52	880605	7.26	1822101	8.57	2277827	11.0	2482724	13.2
BLK01LCS	436734	4.12	1571306	5.52	889171	7.25	1830709	8.57	2297207	11.0	2485335	13.3
16C1	424578	4.13	1560460	5.53	885095	7.27	1888757	8.58	2278021	11.0	2488187	13.3
16MW8	414540	4.12	1490647	5.53	867310	7.27	1841951	8.58	2260728	11.0	2436420	13.3
16MW9	429282	4.12	1514187	5.53	876998	7.27	1876117	8.58	2291746	11.0	2501336	13.3
16WC1A	400573	4.12	1450925	5.53	835829	7.27	1809521	8.58	2213904	11.0	2415575	13.3
16WC1AMS	433089	4.12	1557588	5.53	884875	7.26	1857690	8.58	2301079	11.0	2464218	13.3
16WC1AMSD	396114	4.12	1437648	5.53	818950	7.26	1734120	8.58	2162851	11.0	2288367	13.3
16WDUP	397456	4.12	1459115	5.53	841496	7.27	1773900	8.58	2216753	11.0	2433024	13.3
16WC1B	426964	4.12	1536469	5.53	873029	7.27	1846932	8.58	2368241	11.0	2542957	13.3

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = + 0.50 minutes of internal standard RT
RT Lower Limit = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk
* Value outside of QC Limits

Sample Data

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 09:45**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995006**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WC1BRE**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2843225**	**Inst:**	**MSD2.I**	**Dilution:**	**1**
Run Date:	**08/08/2025 17:50**	**Analyst:**	**NM1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/08/2025 11:40**	**Aliquot:**	**982.3 mL**	**Final Volume:**	**1 mL**
Data File:	**s080825.s\s2H0810.D**	**Column:**	**DB-5ms**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	hU	0.305	ug/L	0.305	1.02
117-84-0	Di-n-octylphthalate	hU	0.305	ug/L	0.305	1.02
122-09-8	a,a-Dimethylphenethylamine	hU	3.05	ug/L	3.05	10.2
70-30-4	Hexachlorophene	hU	170	ug/L	170	509

Quantitation Report
GEL Laboratories, LLC

08/11/2025

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0810.D
Acq On : 08 Aug 2025 17:50
Operator : NM1
InstName : MSD2
Sample : |735995006|2843225|1|SVM|2|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1B|MIX[A,B,J,E]||
ALS Vial : 10 Sample Multiplier: 1

08/12/2025

Quant Time: Aug 11 16:50:05 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.854	4.848	1.000	201909	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.560	6.555	1.000	793207	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.400	1.000	408571	40.00	ng/uL	0.01
64) A Phenanthrene-d10	188	9.732	9.726	1.000	839047	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.176	12.171	1.000	902734	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.572	14.551	1.000	954689	40.00	ng/uL	0.02
96) B 1,4-Dichlorobenzene-d4	152	4.854	4.848	1.000	201909	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.560	6.555	1.000	796647	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.400	1.000	408571	40.00	ng/uL	0.01
130) B Phenanthrene-d10	188	9.732	9.726	1.000	839047	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.176	12.171	1.000	902734	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.572	14.551	1.000	959090	40.00	ng/uL	0.02
152) J Naphthalene-d8	136	6.560	6.555	1.000	796647	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.732	9.726	1.000	839047	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.176	12.171	1.000	902734	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.560	6.555	1.000	796647	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.400	1.000	408571	40.00	ng/uL	0.01
164) D Phenanthrene-d10	188	9.732	9.726	1.000	839047	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.176	12.171	1.000	902734	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.560	6.555	1.000	796647	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.572	14.551	1.000	959090	40.00	ng/uL	0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.351	3.324	0.690	239407	40.34	ng/uL	0.03
8) Phenol-d5	99	4.367	4.330	0.900	198199	27.35	ng/uL	0.04
23) Nitrobenzene-d5	82	5.613	5.597	0.856	243375	34.55	ng/uL	0.02
44) 2-Fluorobiphenyl	172	7.758	7.747	0.922	534695	32.62	ng/uL	0.01
63) 2,4,6-Tribromophenol	330	9.127	9.117	1.085	237932	69.65	ng/uL	0.01
79) p-Terphenyl-d14	244	11.069	11.064	1.137	591102	26.33	ng/uL	0.00

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	15 - 72	40%
8) Phenol-d5	100.000	15 - 85	27%
23) Nitrobenzene-d5	50.000	34 - 107	69%
44) 2-Fluorobiphenyl	50.000	35 - 107	65%
63) 2,4,6-Tribromophenol	100.000	31 - 126	70%
79) p-Terphenyl-d14	50.000	20 - 118	53%

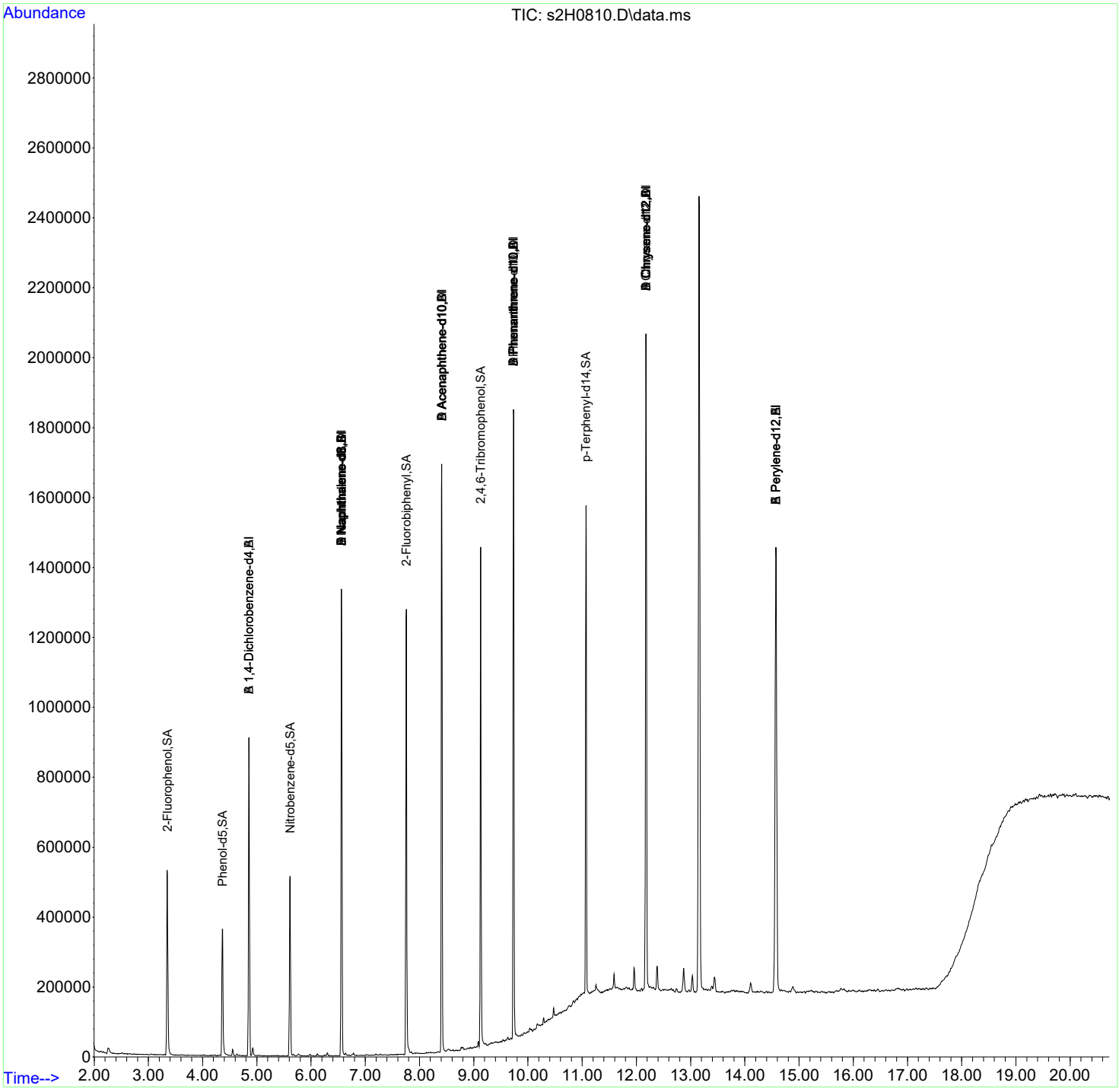
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue

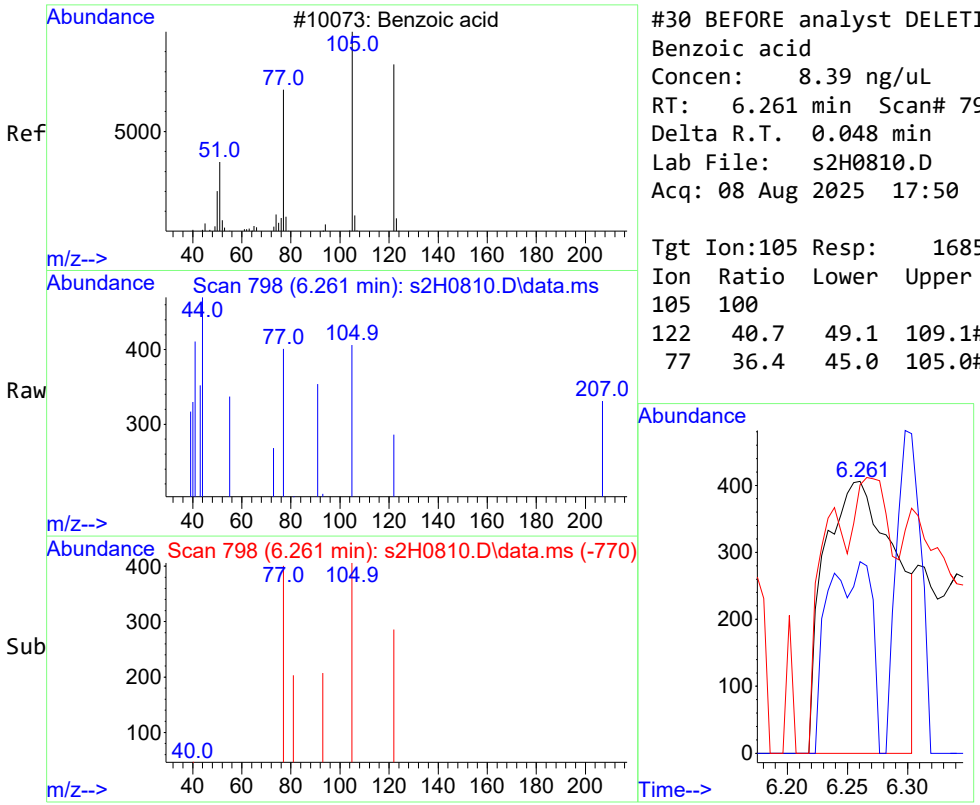
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0810.D
Acq On : 08 Aug 2025 17:50
Operator : NM1
InstName : MSD2
Sample : |735995006|2843225|1|SVM|2|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1B|MIX[A,B,J,E]||
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 11 16:50:05 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

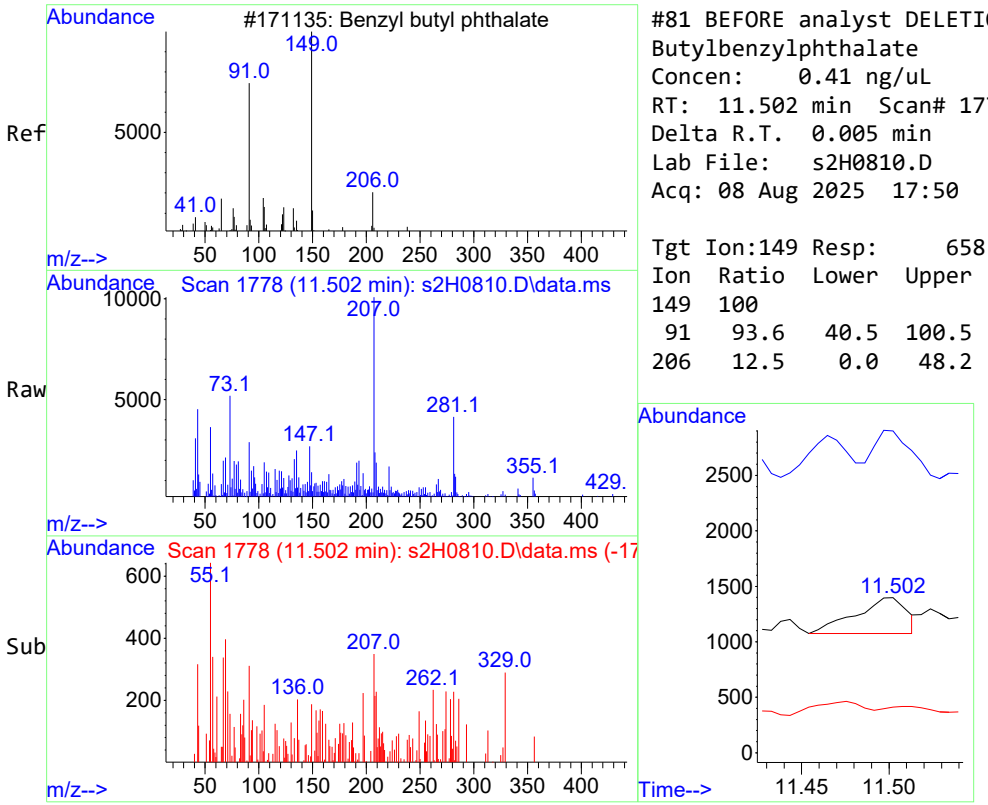




#30 BEFORE analyst DELETION
Benzoic acid
Concen: 8.39 ng/uL
RT: 6.261 min Scan# 798
Delta R.T. 0.048 min
Lab File: s2H0810.D
Acq: 08 Aug 2025 17:50

Tgt Ion:105 Resp: 1685

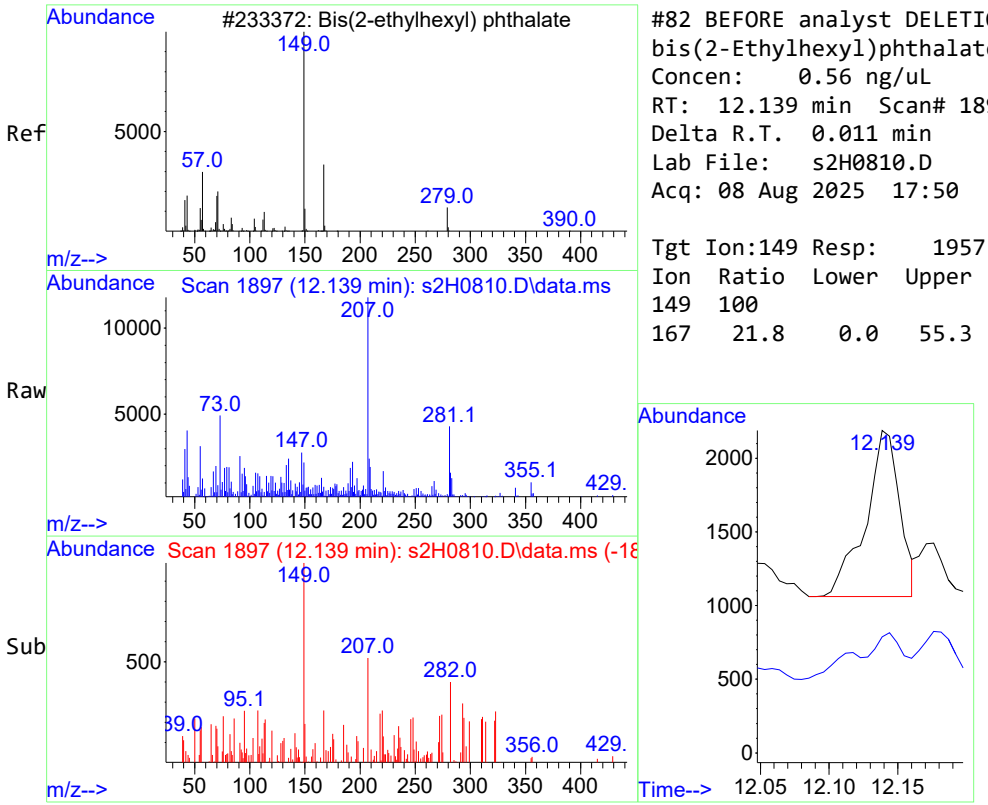
Ion	Ratio	Lower	Upper
105	100		
122	40.7	49.1	109.1#
77	36.4	45.0	105.0#



#81 BEFORE analyst DELETION
Butylbenzylphthalate
Concen: 0.41 ng/uL
RT: 11.502 min Scan# 1778
Delta R.T. 0.005 min
Lab File: s2H0810.D
Acq: 08 Aug 2025 17:50

Tgt Ion:149 Resp: 658

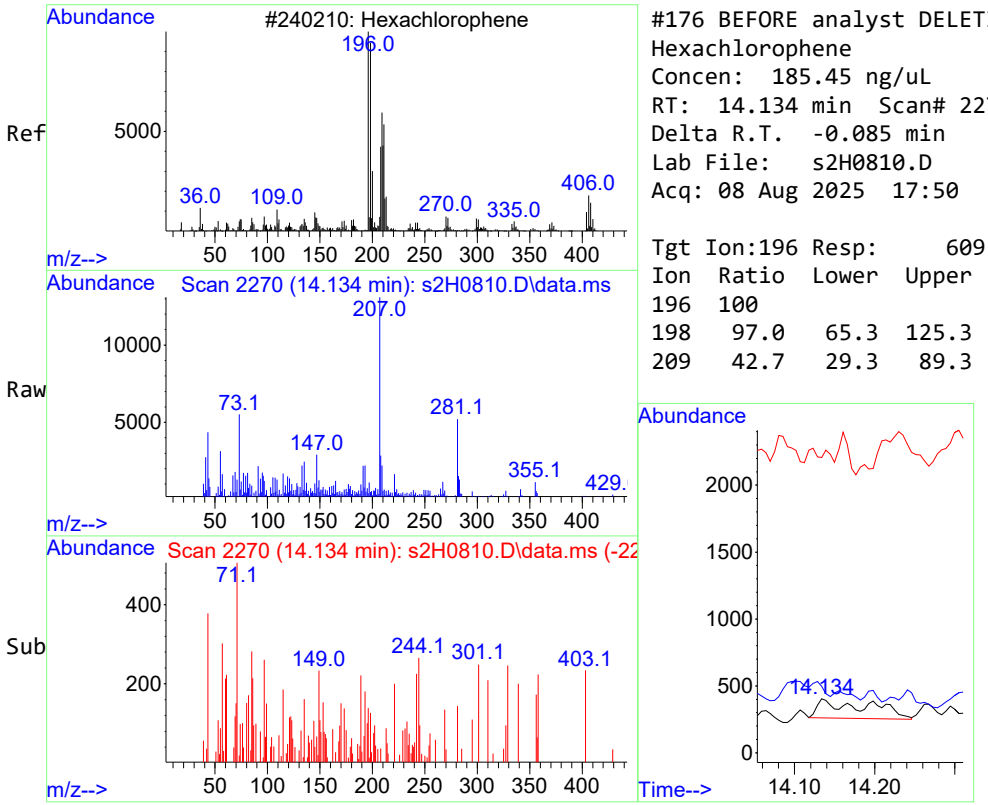
Ion	Ratio	Lower	Upper
149	100		
91	93.6	40.5	100.5
206	12.5	0.0	48.2



#82 BEFORE analyst DELETION
bis(2-Ethylhexyl)phthalate
Concen: 0.56 ng/uL
RT: 12.139 min Scan# 1897
Delta R.T. 0.011 min
Lab File: s2H0810.D
Acq: 08 Aug 2025 17:50

Tgt Ion:149 Resp: 1957

Ion	Ratio	Lower	Upper
149	100		
167	21.8	0.0	55.3



#176 BEFORE analyst DELETION
Hexachlorophene
Concen: 185.45 ng/uL
RT: 14.134 min Scan# 2270
Delta R.T. -0.085 min
Lab File: s2H0810.D
Acq: 08 Aug 2025 17:50

Tgt Ion:196 Resp: 609

Ion	Ratio	Lower	Upper
196	100		
198	97.0	65.3	125.3
209	42.7	29.3	89.3

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 14:20**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995001**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16C1**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 19:59**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1020.56 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0414.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.294	ug/L	0.294	0.980
117-84-0	Di-n-octylphthalate	U	0.294	ug/L	0.294	0.980
122-09-8	a,a-Dimethylphenethylamine	U	2.94	ug/L	2.94	9.80
70-30-4	Hexachlorophene	U	164	ug/L	164	490

LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0414.D
Acq On : 04 Aug 2025 19:59
Operator : LL2
InstName : MSDB
Sample : |735995001|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16C1|mix[a,b,j,e]||
ALS Vial : 13 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 05 08:40:27 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.125	4.114	1.000	424578	40.00	ng/uL	0.01
22) A Naphthalene-d8	136	5.528	5.514	1.000	1560460	40.00	ng/uL	0.01
39) A Acenaphthene-d10	164	7.266	7.252	1.000	885095	40.00	ng/uL	0.01
64) A Phenanthrene-d10	188	8.584	8.567	1.000	1888757	40.00	ng/uL	0.02
80) A Chrysene-d12	240	11.030	11.004	1.000	2278021	40.00	ng/uL	0.03
88) A Perylene-d12	264	13.274	13.231	1.000	2488187	40.00	ng/uL	0.04
96) B 1,4-Dichlorobenzene-d4	152	4.125	4.114	1.000	424578	40.00	ng/uL	0.01
112) B Naphthalene-d8	136	5.528	5.514	1.000	1560460	40.00	ng/uL	0.01
120) B Acenaphthene-d10	164	7.266	7.252	1.000	885095	40.00	ng/uL	0.01
130) B Phenanthrene-d10	188	8.584	8.567	1.000	1888757	40.00	ng/uL	0.02
143) B Chrysene-d12	240	11.030	11.004	1.000	2278021	40.00	ng/uL	0.03
149) B Perylene-d12	264	13.274	13.231	1.000	2488187	40.00	ng/uL	0.04
152) J Naphthalene-d8	136	5.528	5.514	1.000	1560460	40.00	ng/uL	0.01
154) J Phenanthrene-d10	188	8.584	8.567	1.000	1888757	40.00	ng/uL	0.02
157) J Chrysene-d12	240	11.030	11.004	1.000	2278021	40.00	ng/uL	0.03
160) D Naphthalene-d8	136	5.528	5.514	1.000	1560460	40.00	ng/uL	0.01
162) D Acenaphthene-d10	164	7.266	7.252	1.000	885095	40.00	ng/uL	0.01
164) D Phenanthrene-d10	188	8.584	8.567	1.000	1888757	40.00	ng/uL	0.02
171) D Chrysene-d12	240	11.030	11.004	1.000	2278021	40.00	ng/uL	0.03
173) E Naphthalene-d8	136	5.528	5.514	1.000	1560460	40.00	ng/uL	0.01
175) E Perylene-d12	264	13.274	13.231	1.000	2488187	40.00	ng/uL	0.04
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.896	2.867	0.702	326753	28.11	ng/uL	0.03
8) Phenol-d5	99	3.757	3.707	0.911	261209	19.45	ng/uL	0.05
23) Nitrobenzene-d5	82	4.726	4.707	0.855	263317	28.44	ng/uL	0.02
44) 2-Fluorobiphenyl	172	6.633	6.668	0.913	913447	27.00	ng/uL	-0.04
63) 2,4,6-Tribromophenol	330	7.981	7.964	1.098	463907	64.24	ng/uL	0.02
79) p-Terphenyl-d14	244	9.931	9.925	1.157	1075631	20.96	ng/uL	0.00

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	28%
8) Phenol-d5	100.000	15 - 85	19%
23) Nitrobenzene-d5	50.000	39 - 112	57%
44) 2-Fluorobiphenyl	50.000	39 - 112	54%
63) 2,4,6-Tribromophenol	100.000	37 - 132	64%
79) p-Terphenyl-d14	50.000	24 - 129	42%

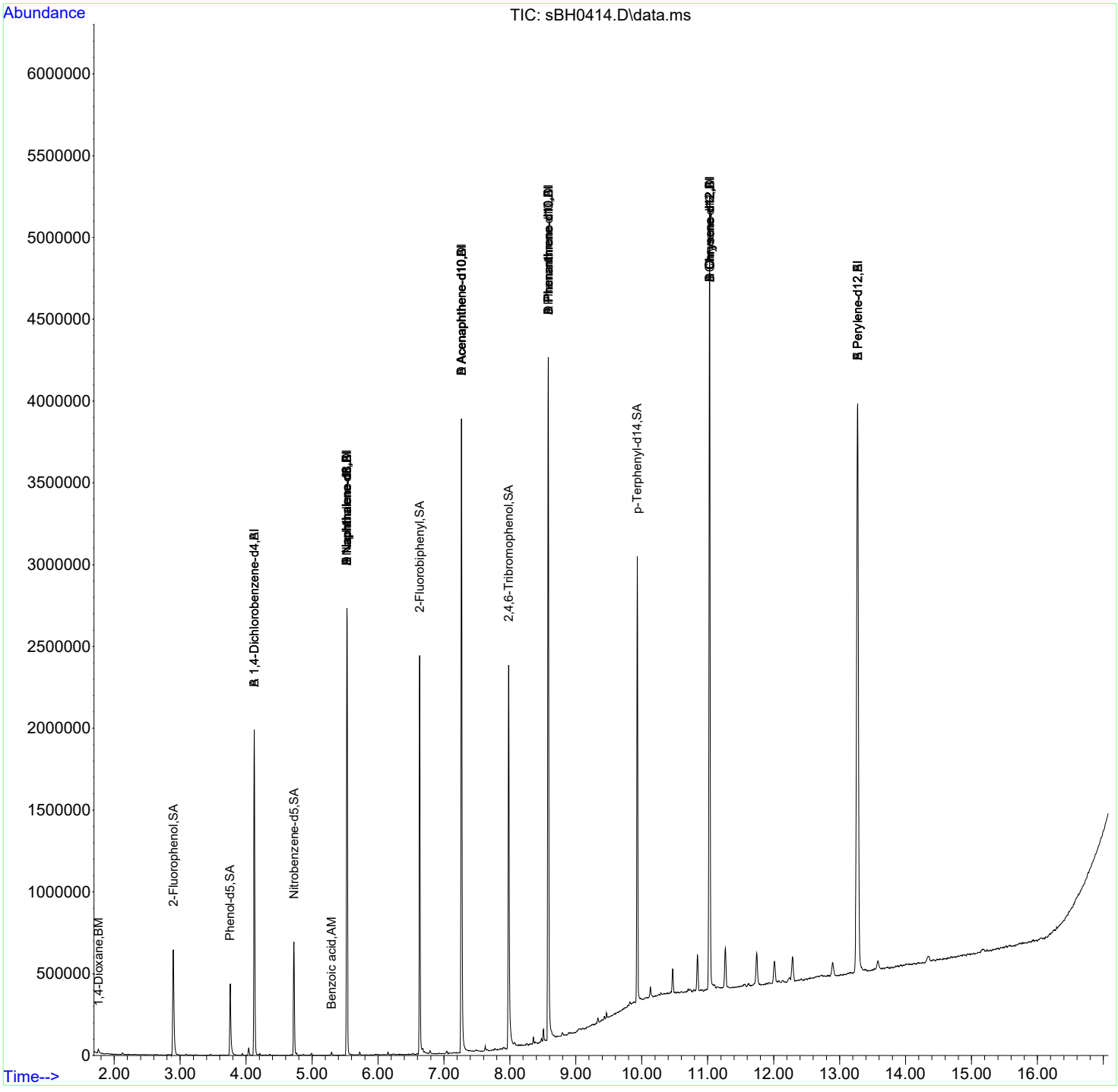
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
30) Benzoic acid	105	5.295	5.221	0.958	3155	8.64	ng/uL	88
97) 1,4-Dioxane	88	1.760	1.760	0.427	15100	3.37	ng/uL	87

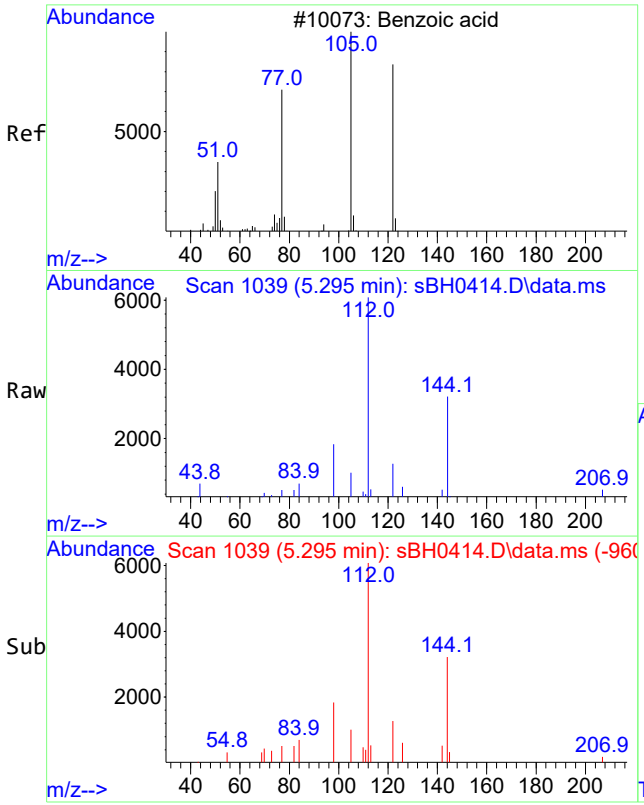
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0414.D
Acq On : 04 Aug 2025 19:59
Operator : LL2
InstName : MSDB
Sample : |735995001|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16C1|mix[a,b,j,e]||
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 05 08:40:27 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

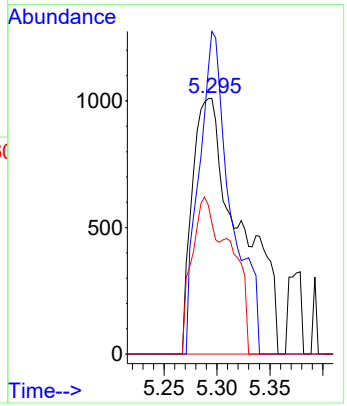


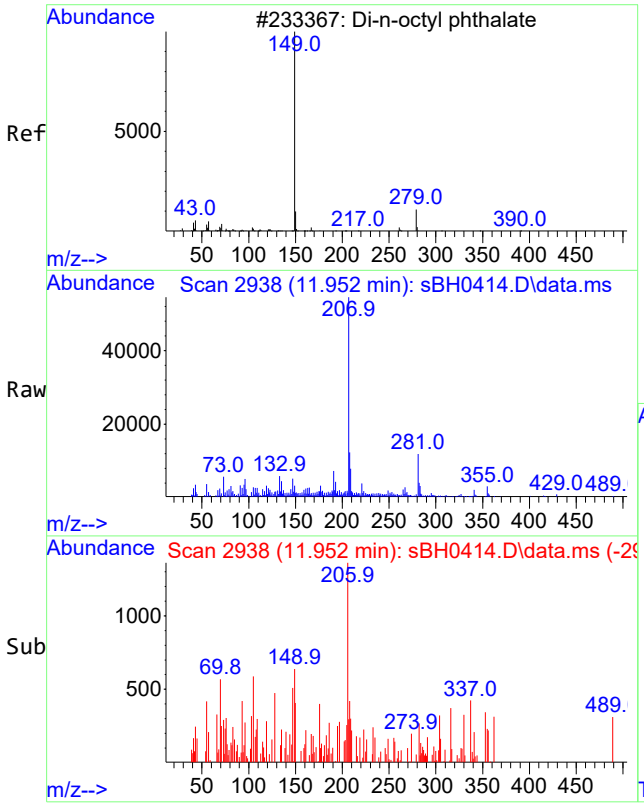


#30
Benzoic acid
Concen: 8.64 ng/uL
RT: 5.295 min Scan# 1039
Delta R.T. 0.074 min
Lab File: sBH0414.D
Acq: 04 Aug 2025 19:59

Tgt Ion:105 Resp: 3155

Ion	Ratio	Lower	Upper
105	100		
122	84.7	66.0	126.0
77	50.0	29.1	89.1

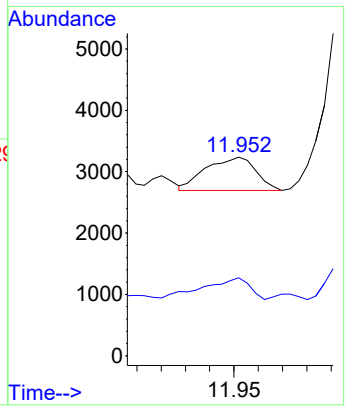


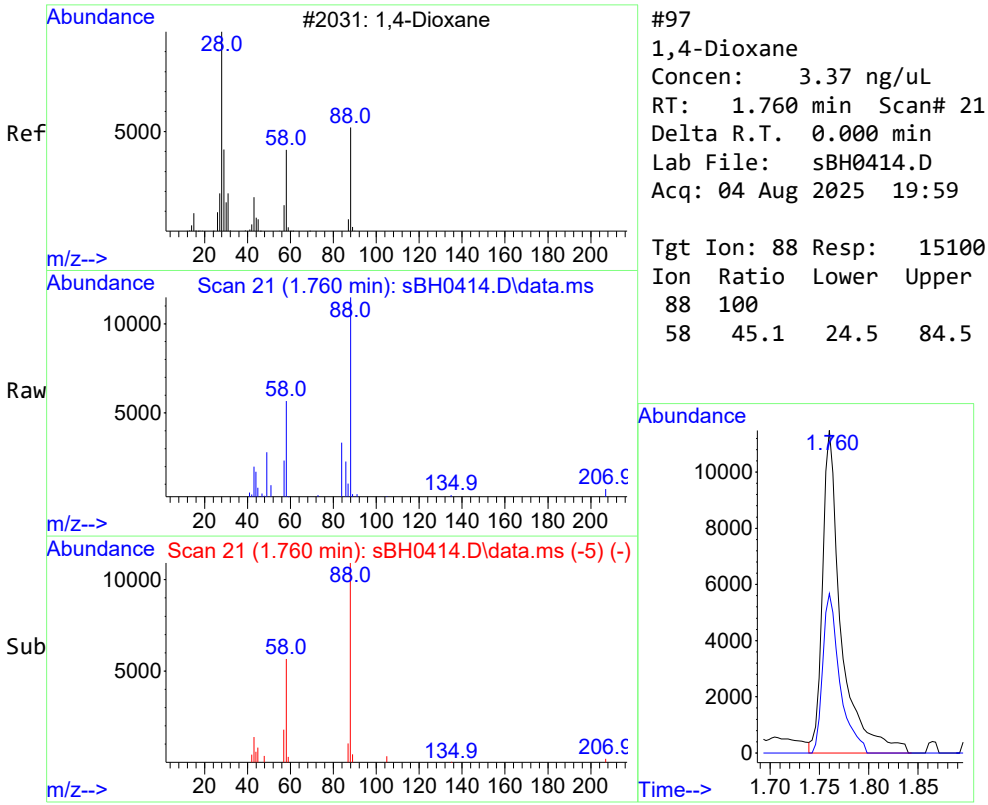


#87 BEFORE analyst DELETION
Di-n-octylphthalate
Concen: 0.42 ng/uL
RT: 11.952 min Scan# 2938
Delta R.T. 0.016 min
Lab File: sBH0414.D
Acq: 04 Aug 2025 19:59

Tgt Ion:149 Resp: 766

Ion	Ratio	Lower	Upper
149	100		
150	65.7	0.0	39.6#

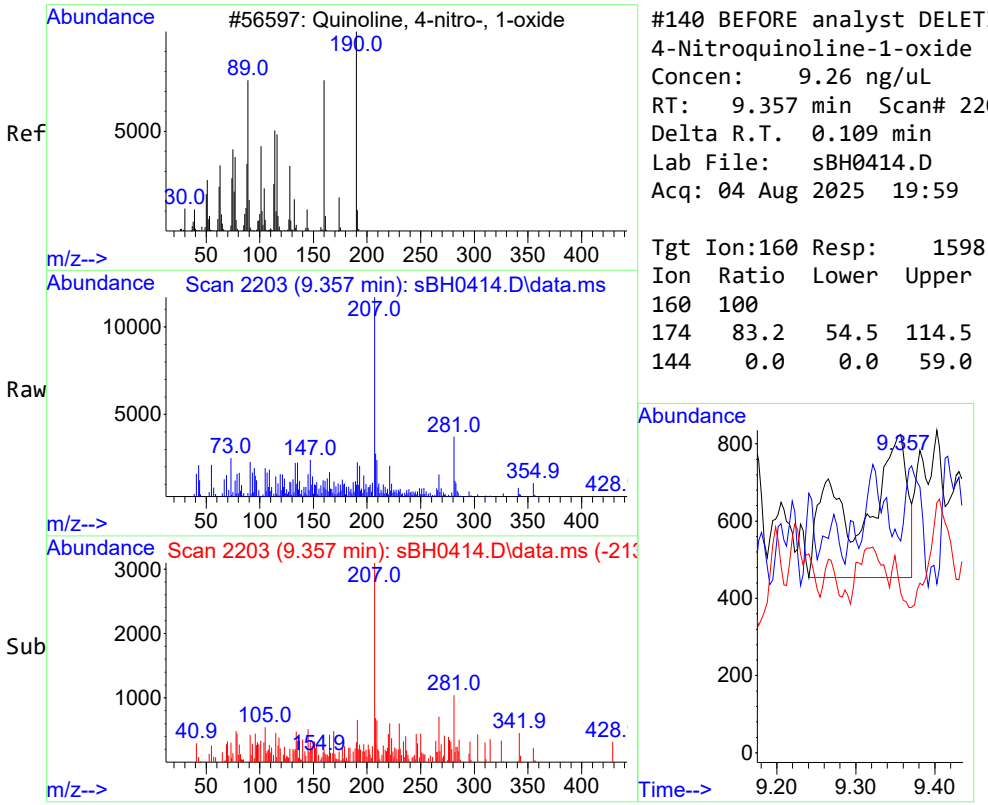




#97
1,4-Dioxane
Concen: 3.37 ng/uL
RT: 1.760 min Scan# 21
Delta R.T. 0.000 min
Lab File: sBH0414.D
Acq: 04 Aug 2025 19:59

Tgt Ion: 88 Resp: 15100

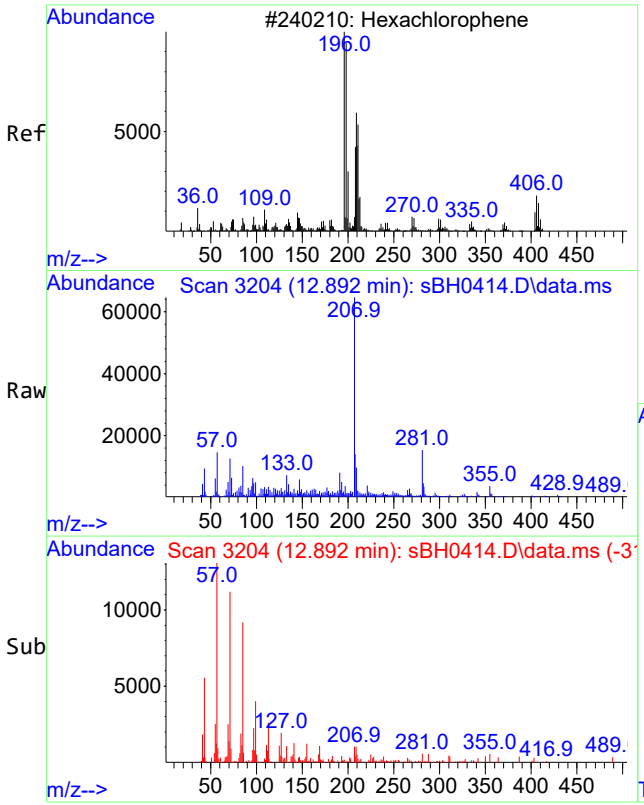
Ion	Ratio	Lower	Upper
88	100		
58	45.1	24.5	84.5



#140 BEFORE analyst DELETION
4-Nitroquinoline-1-oxide
Concen: 9.26 ng/uL
RT: 9.357 min Scan# 2203
Delta R.T. 0.109 min
Lab File: sBH0414.D
Acq: 04 Aug 2025 19:59

Tgt Ion:160 Resp: 1598

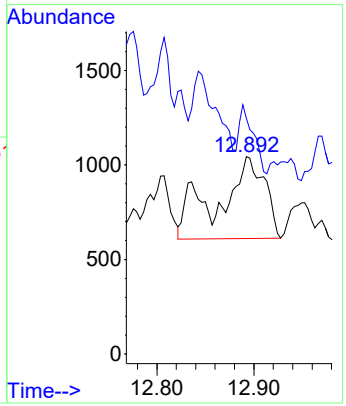
Ion	Ratio	Lower	Upper
160	100		
174	83.2	54.5	114.5
144	0.0	0.0	59.0



#176 BEFORE analyst DELETION
Hexachlorophene
Concen: 204.00 ng/uL
RT: 12.892 min Scan# 3204
Delta R.T. 0.004 min
Lab File: sBH0414.D
Acq: 04 Aug 2025 19:59

Tgt Ion:196 Resp: 1432

Ion	Ratio	Lower	Upper
196	100		
198	0.0	65.5	125.5#



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/29/2025 11:20**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995002**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16MW8**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 20:19**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1004.96 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0415.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.299	ug/L	0.299	0.995
117-84-0	Di-n-octylphthalate	U	0.299	ug/L	0.299	0.995
122-09-8	a,a-Dimethylphenethylamine	U	2.99	ug/L	2.99	9.95
70-30-4	Hexachlorophene	U	166	ug/L	166	498

LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0415.D
Acq On : 04 Aug 2025 20:19
Operator : LL2
InstName : MSDB
Sample : |735995002|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16MW8|mix[a,b,j,e]||
ALS Vial : 14 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 06 10:39:05 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.124	4.152	1.000	414540	40.00	ng/uL	-0.03
22) A Naphthalene-d8	136	5.530	5.538	1.000	1490647	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.267	7.270	1.000	867310	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.581	8.583	1.000	1841951	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.028	11.039	1.000	2260728	40.00	ng/uL	-0.01
88) A Perylene-d12	264	13.272	13.288	1.000	2436420	40.00	ng/uL	-0.02
96) B 1,4-Dichlorobenzene-d4	152	4.124	4.152	1.000	414540	40.00	ng/uL	-0.03
112) B Naphthalene-d8	136	5.530	5.538	1.000	1490647	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.267	7.270	1.000	867310	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.581	8.583	1.000	1841951	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.028	11.039	1.000	2260728	40.00	ng/uL	-0.01
149) B Perylene-d12	264	13.272	13.288	1.000	2436420	40.00	ng/uL	-0.02
152) J Naphthalene-d8	136	5.530	5.538	1.000	1490647	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.581	8.583	1.000	1841951	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.028	11.039	1.000	2260728	40.00	ng/uL	-0.01
160) D Naphthalene-d8	136	5.530	5.538	1.000	1490647	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.267	7.270	1.000	867310	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.581	8.583	1.000	1841951	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.028	11.039	1.000	2260728	40.00	ng/uL	-0.01
173) E Naphthalene-d8	136	5.530	5.538	1.000	1490647	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.272	13.288	1.000	2436206	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.895	2.893	0.702	290711	25.61	ng/uL	0.00
8) Phenol-d5	99	3.756	3.741	0.911	225752	17.21	ng/uL	0.02
23) Nitrobenzene-d5	82	4.724	4.728	0.854	279609	31.62	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.634	6.685	0.913	986108	29.75	ng/uL	-0.05
63) 2,4,6-Tribromophenol	330	7.980	7.984	1.098	479201	67.72	ng/uL	0.00
79) p-Terphenyl-d14	244	9.931	9.944	1.157	1132039	22.62	ng/uL	-0.01

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	26%
8) Phenol-d5	100.000	15 - 85	17%
23) Nitrobenzene-d5	50.000	39 - 112	63%
44) 2-Fluorobiphenyl	50.000	39 - 112	60%
63) 2,4,6-Tribromophenol	100.000	37 - 132	68%
79) p-Terphenyl-d14	50.000	24 - 129	45%

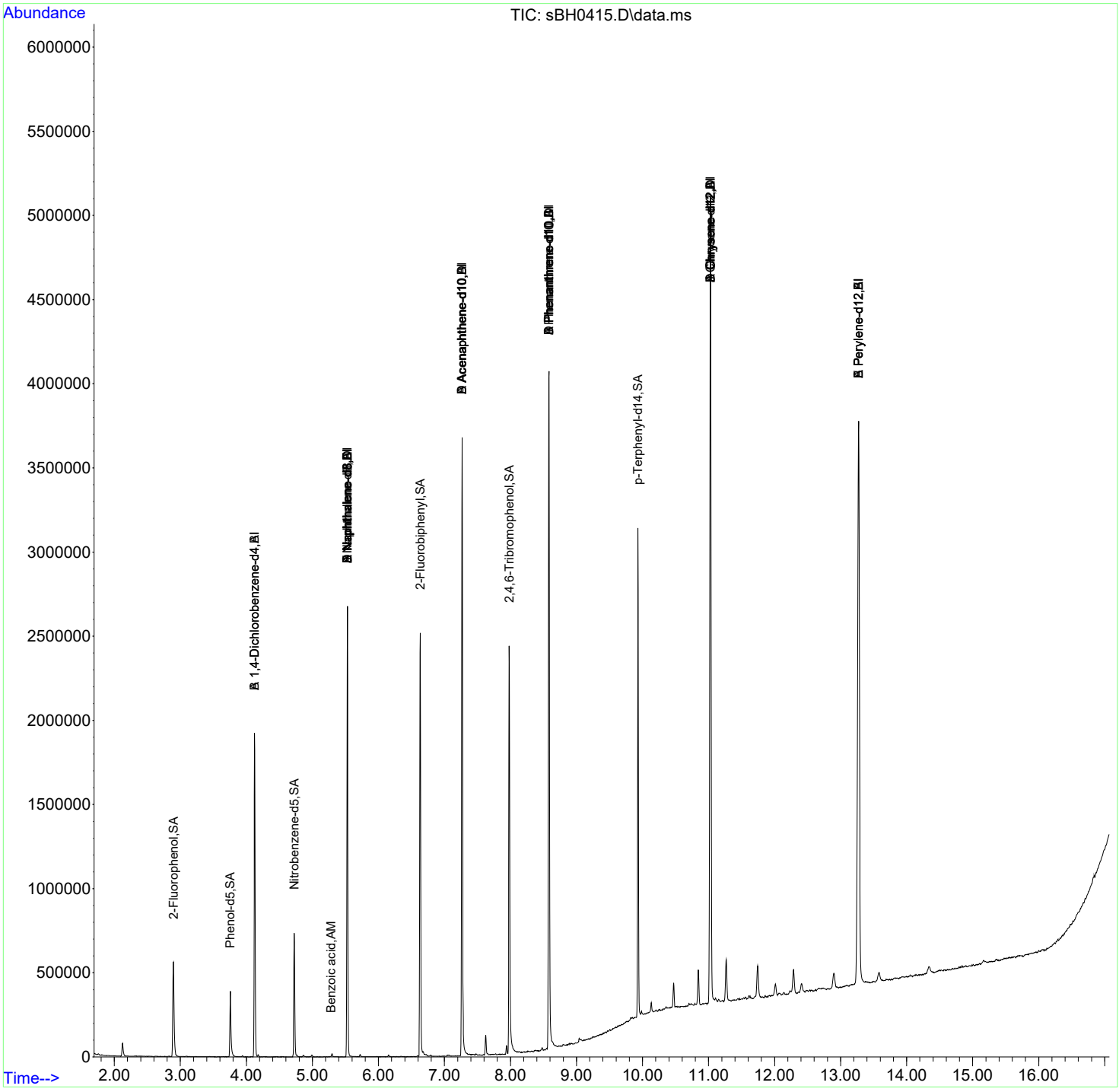
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
30) Benzoic acid	105	5.283	5.244	0.955	3898	8.74	ng/uL	73

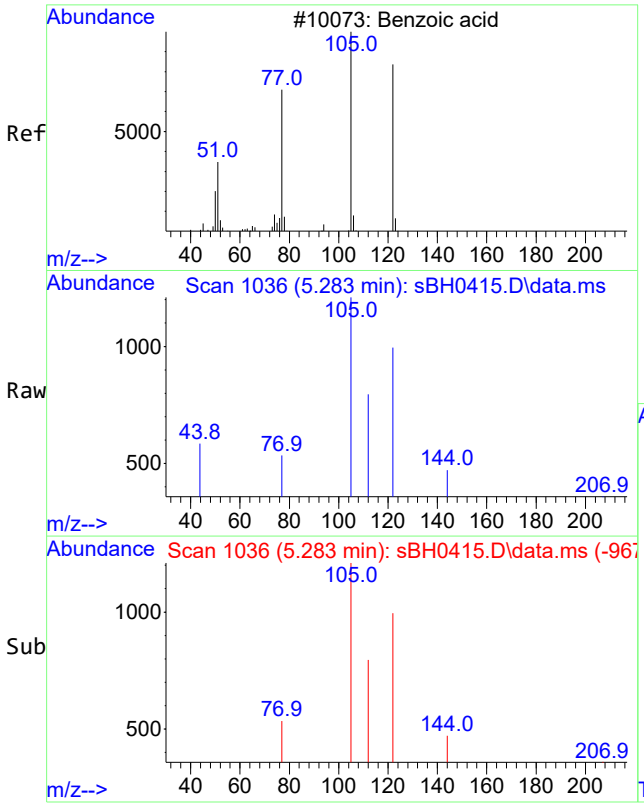
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0415.D
Acq On : 04 Aug 2025 20:19
Operator : LL2
InstName : MSDB
Sample : |735995002|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16MW8|mix[a,b,j,e]||
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 10:39:05 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

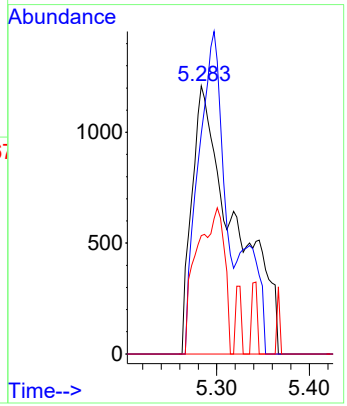


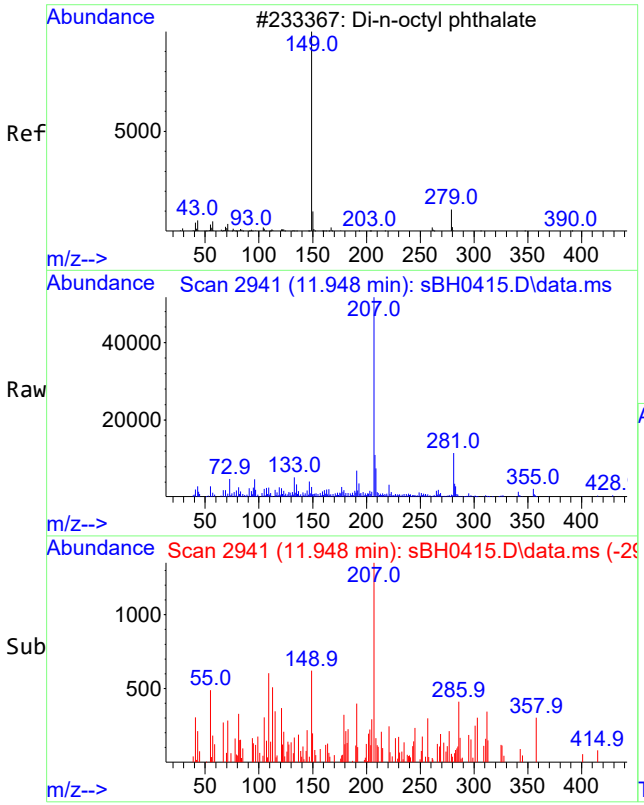


#30
Benzoic acid
Concen: 8.74 ng/uL
RT: 5.283 min Scan# 1036
Delta R.T. 0.039 min
Lab File: sBH0415.D
Acq: 04 Aug 2025 20:19

Tgt Ion:105 Resp: 3898

Ion	Ratio	Lower	Upper
105	100		
122	72.9	66.0	126.0
77	35.0	29.1	89.1

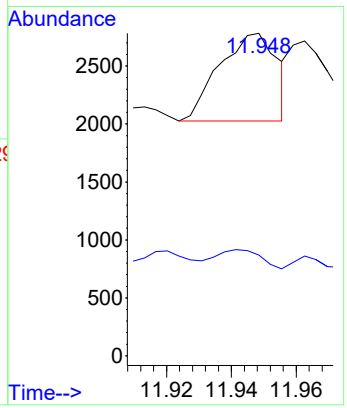


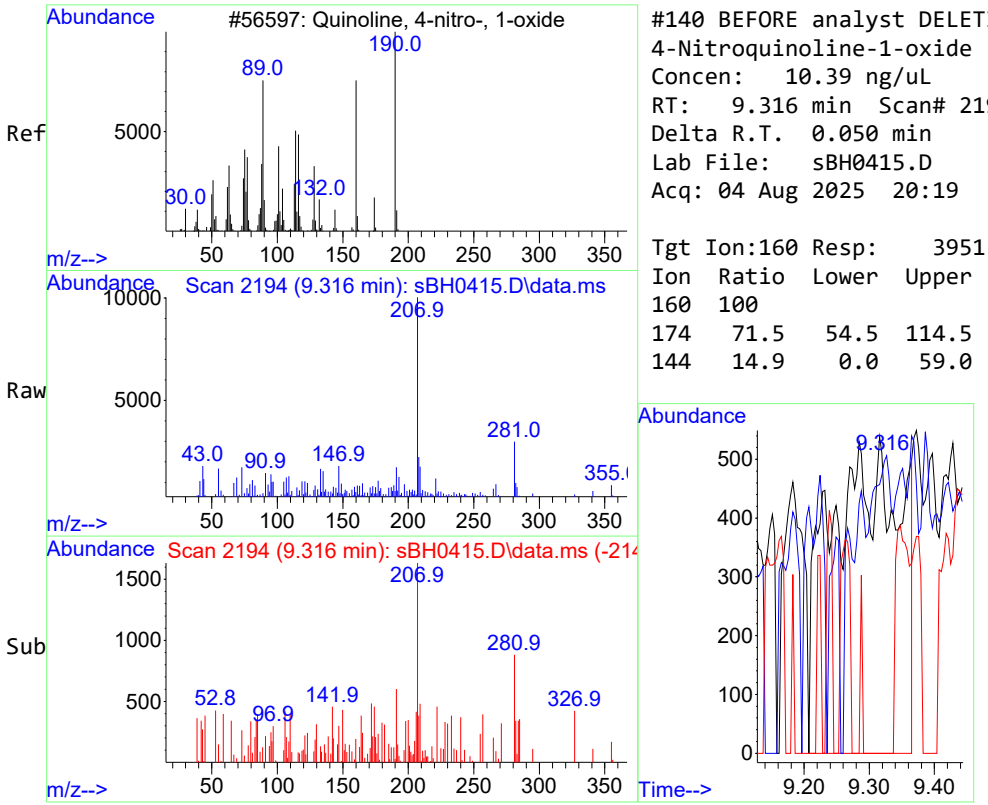


#87 BEFORE analyst DELETION
Di-n-octylphthalate
Concen: 0.42 ng/uL
RT: 11.948 min Scan# 2941
Delta R.T. -0.026 min
Lab File: sBH0415.D
Acq: 04 Aug 2025 20:19

Tgt Ion:149 Resp: 938

Ion	Ratio	Lower	Upper
149	100		
150	18.6	0.0	39.6

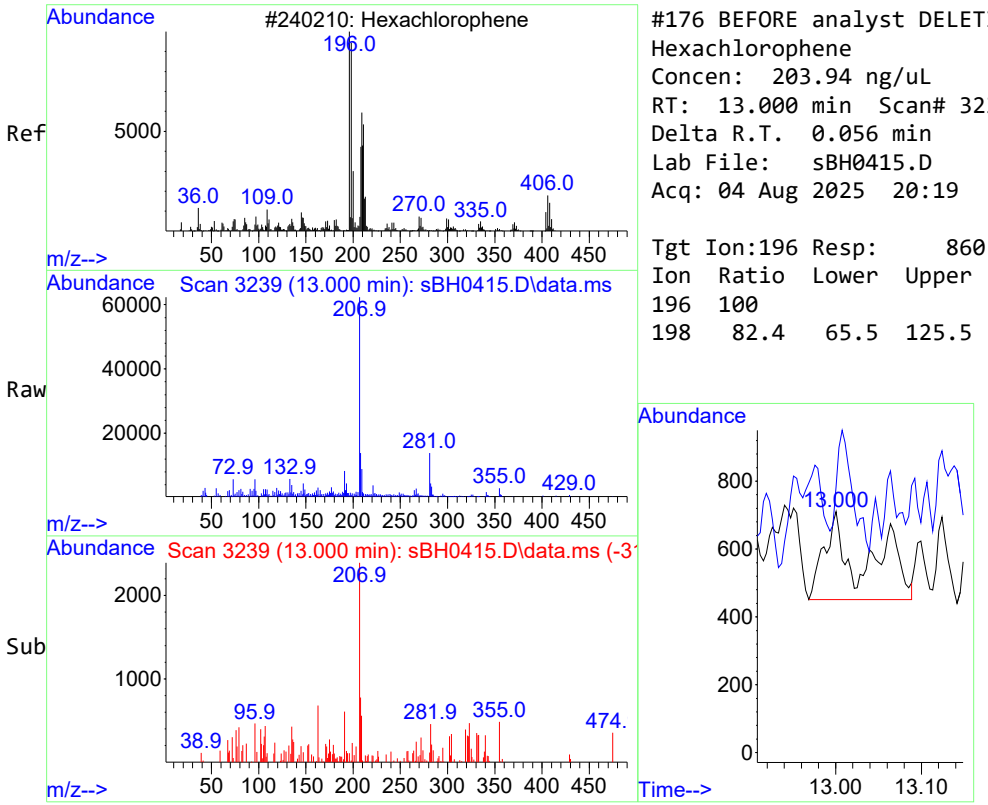




#140 BEFORE analyst DELETION
4-Nitroquinoline-1-oxide
Concen: 10.39 ng/uL
RT: 9.316 min Scan# 2194
Delta R.T. 0.050 min
Lab File: sBH0415.D
Acq: 04 Aug 2025 20:19

Tgt Ion:160 Resp: 3951

Ion	Ratio	Lower	Upper
160	100		
174	71.5	54.5	114.5
144	14.9	0.0	59.0



#176 BEFORE analyst DELETION
Hexachlorophene
Concen: 203.94 ng/uL
RT: 13.000 min Scan# 3239
Delta R.T. 0.056 min
Lab File: sBH0415.D
Acq: 04 Aug 2025 20:19

Tgt Ion:196 Resp: 860

Ion	Ratio	Lower	Upper
196	100		
198	82.4	65.5	125.5

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 13:15**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995003**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16MW9**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 20:40**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1020.12 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0416.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.294	ug/L	0.294	0.980
117-84-0	Di-n-octylphthalate	U	0.294	ug/L	0.294	0.980
122-09-8	a,a-Dimethylphenethylamine	U	2.94	ug/L	2.94	9.80
70-30-4	Hexachlorophene	U	164	ug/L	164	490

LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0416.D
Acq On : 04 Aug 2025 20:40
Operator : LL2
InstName : MSDB
Sample : |735995003|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16MW9|mix[a,b,j,e]||
ALS Vial : 15 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 06 10:40:45 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.124	4.152	1.000	429282	40.00	ng/uL	-0.03
22) A Naphthalene-d8	136	5.529	5.538	1.000	1514187	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.266	7.270	1.000	876998	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.583	8.583	1.000	1876117	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.028	11.039	1.000	2291746	40.00	ng/uL	-0.01
88) A Perylene-d12	264	13.271	13.288	1.000	2501336	40.00	ng/uL	-0.02
96) B 1,4-Dichlorobenzene-d4	152	4.124	4.152	1.000	429282	40.00	ng/uL	-0.03
112) B Naphthalene-d8	136	5.529	5.538	1.000	1514187	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.266	7.270	1.000	876998	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.583	8.583	1.000	1876117	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.028	11.039	1.000	2291746	40.00	ng/uL	-0.01
149) B Perylene-d12	264	13.271	13.288	1.000	2501336	40.00	ng/uL	-0.02
152) J Naphthalene-d8	136	5.529	5.538	1.000	1514187	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.583	8.583	1.000	1876117	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.028	11.039	1.000	2291746	40.00	ng/uL	-0.01
160) D Naphthalene-d8	136	5.529	5.538	1.000	1514187	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.266	7.270	1.000	876998	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.583	8.583	1.000	1876117	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.028	11.039	1.000	2291746	40.00	ng/uL	-0.01
173) E Naphthalene-d8	136	5.529	5.538	1.000	1514187	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.271	13.288	1.000	2501336	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.891	2.893	0.701	258532	21.99	ng/uL	0.00
8) Phenol-d5	99	3.756	3.741	0.911	222165	16.36	ng/uL	0.01
23) Nitrobenzene-d5	82	4.724	4.728	0.854	248234	27.63	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.633	6.685	0.913	820758	24.49	ng/uL	-0.05
63) 2,4,6-Tribromophenol	330	7.983	7.984	1.099	381279	53.29	ng/uL	0.00
79) p-Terphenyl-d14	244	9.932	9.944	1.157	627551	12.31	ng/uL	-0.01

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	22%
8) Phenol-d5	100.000	15 - 85	16%
23) Nitrobenzene-d5	50.000	39 - 112	55%
44) 2-Fluorobiphenyl	50.000	39 - 112	49%
63) 2,4,6-Tribromophenol	100.000	37 - 132	53%
79) p-Terphenyl-d14	50.000	24 - 129	25%

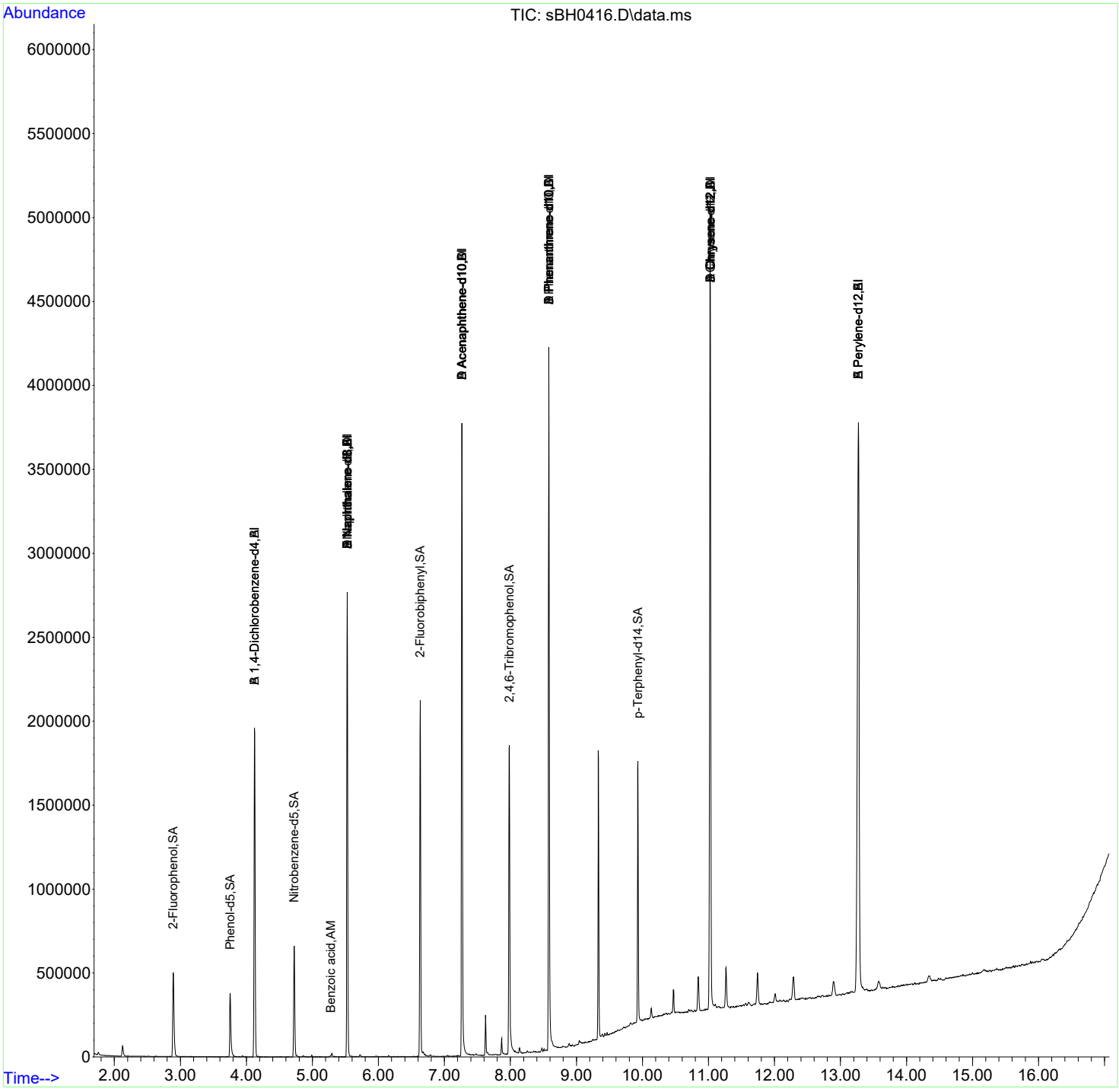
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
30) Benzoic acid	105	5.279	5.244	0.955	6715	9.07	ng/uL	87

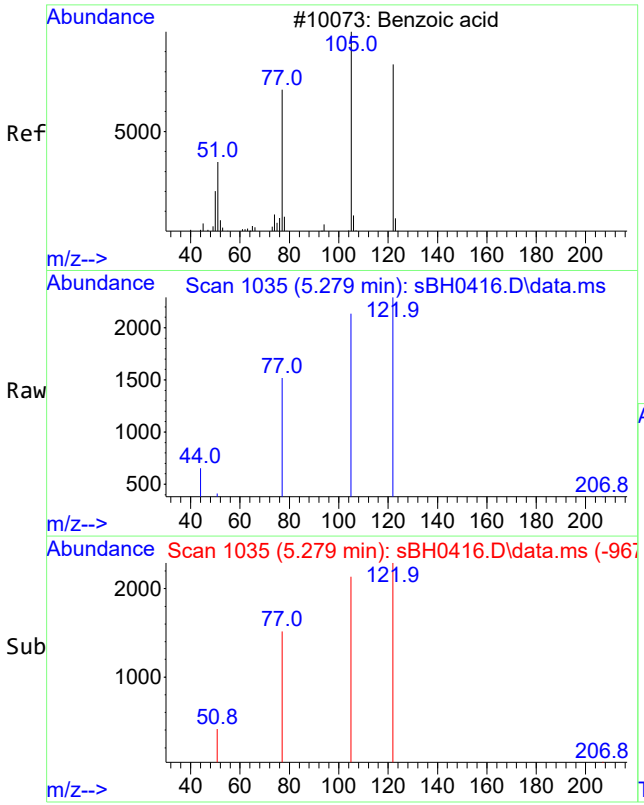
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0416.D
Acq On : 04 Aug 2025 20:40
Operator : LL2
InstName : MSDB
Sample : |735995003|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16MW9|mix[a,b,j,e]||
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 06 10:40:45 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

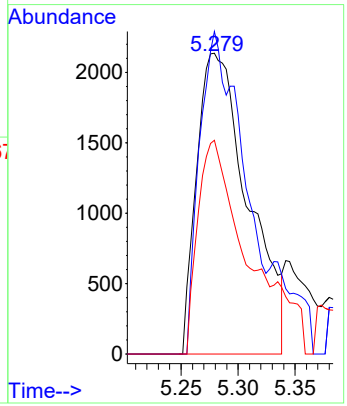


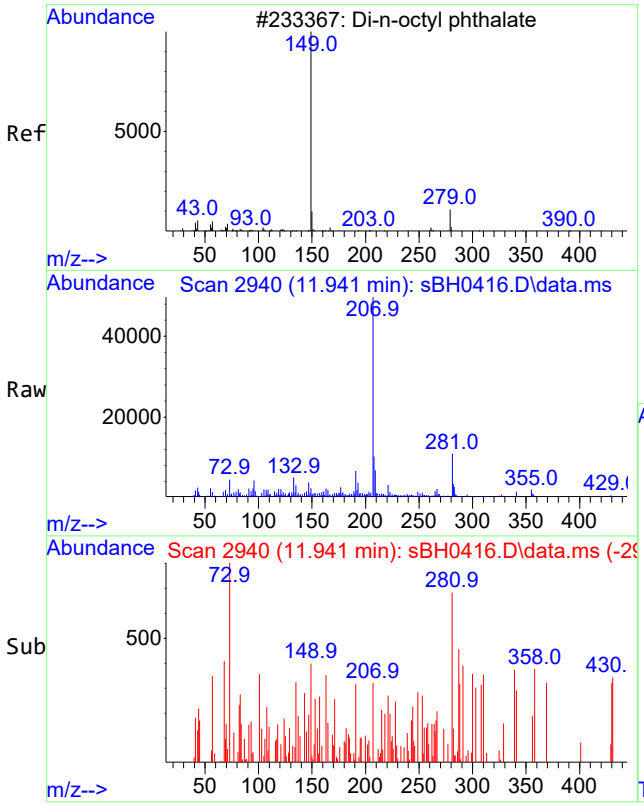


#30
Benzoic acid
Concen: 9.07 ng/uL
RT: 5.279 min Scan# 1035
Delta R.T. 0.035 min
Lab File: sBH0416.D
Acq: 04 Aug 2025 20:40

Tgt Ion:105 Resp: 6715

Ion	Ratio	Lower	Upper
105	100		
122	107.0	66.0	126.0
77	70.1	29.1	89.1

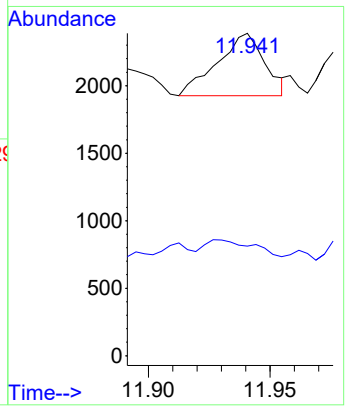


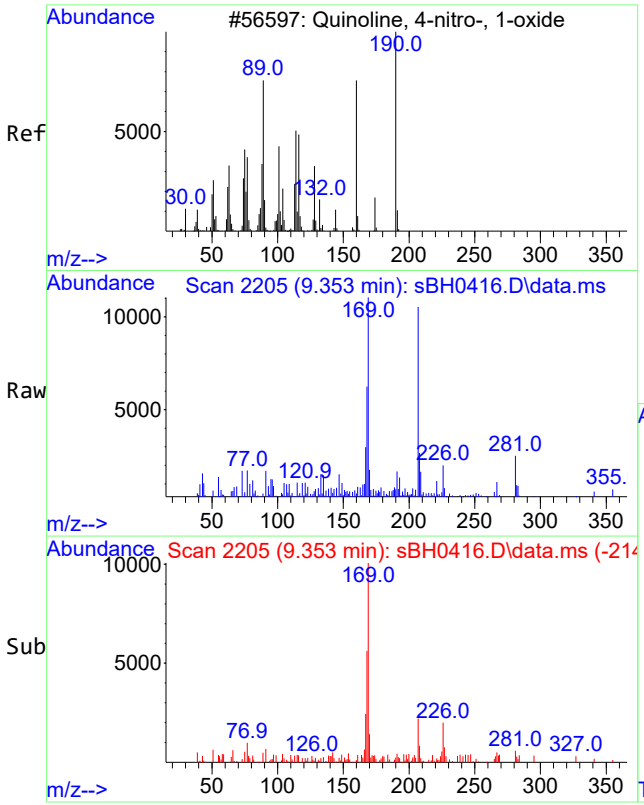


#87 BEFORE analyst DELETION
Di-n-octylphthalate
Concen: 0.41 ng/uL
RT: 11.941 min Scan# 2940
Delta R.T. -0.034 min
Lab File: sBH0416.D
Acq: 04 Aug 2025 20:40

Tgt Ion:149 Resp: 628

Ion	Ratio	Lower	Upper
149	100		
150	33.4	0.0	39.6

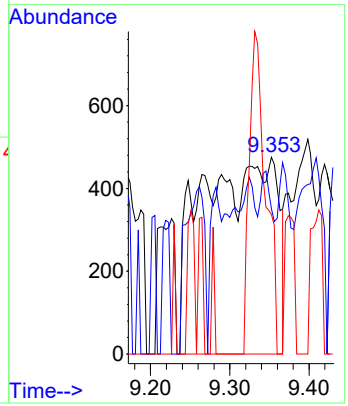


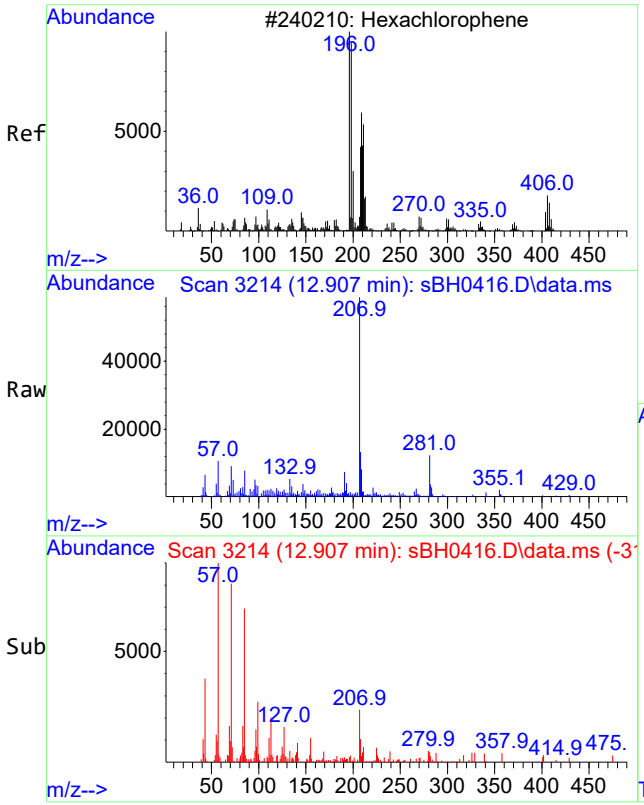


#140 BEFORE analyst DELETION
4-Nitroquinoline-1-oxide
Concen: 9.98 ng/uL
RT: 9.353 min Scan# 2205
Delta R.T. 0.087 min
Lab File: sBH0416.D
Acq: 04 Aug 2025 20:40

Tgt Ion:160 Resp: 3140

Ion	Ratio	Lower	Upper
160	100		
174	69.7	54.5	114.5
144	35.7	0.0	59.0

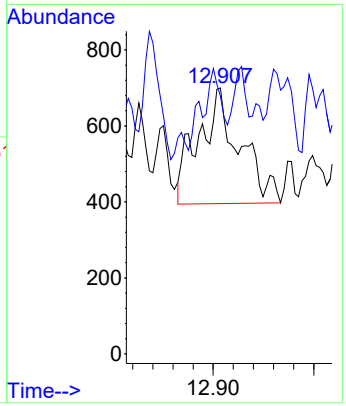




#176 BEFORE analyst DELETION
Hexachlorophene
Concen: 203.94 ng/uL
RT: 12.907 min Scan# 3214
Delta R.T. -0.037 min
Lab File: sBH0416.D
Acq: 04 Aug 2025 20:40

Tgt Ion:196 Resp: 869

Ion	Ratio	Lower	Upper
196	100		
198	66.9	65.5	125.5



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 11:05**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995004**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WC1A**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 21:01**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0417.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.300	ug/L	0.300	1.00
87-86-5	Pentachlorophenol	U	3.00	ug/L	3.00	10.0
117-84-0	Di-n-octylphthalate	U	0.300	ug/L	0.300	1.00
122-09-8	a,a-Dimethylphenethylamine	U	3.00	ug/L	3.00	10.0
70-30-4	Hexachlorophene	U	167	ug/L	167	500

LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0417.D
Acq On : 04 Aug 2025 21:01
Operator : LL2
InstName : MSDB
Sample : |735995004|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1A|mix[a,b,j,e]|
ALS Vial : 16 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 06 10:41:46 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.123	4.152	1.000	400573	40.00	ng/uL	-0.03
22) A Naphthalene-d8	136	5.529	5.538	1.000	1450925	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.266	7.270	1.000	835829	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.582	8.583	1.000	1809521	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.025	11.039	1.000	2213904	40.00	ng/uL	-0.01
88) A Perylene-d12	264	13.269	13.288	1.000	2415575	40.00	ng/uL	-0.02
96) B 1,4-Dichlorobenzene-d4	152	4.123	4.152	1.000	400573	40.00	ng/uL	-0.03
112) B Naphthalene-d8	136	5.529	5.538	1.000	1450925	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.266	7.270	1.000	835829	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.582	8.583	1.000	1809521	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.025	11.039	1.000	2213904	40.00	ng/uL	-0.01
149) B Perylene-d12	264	13.269	13.288	1.000	2415575	40.00	ng/uL	-0.02
152) J Naphthalene-d8	136	5.529	5.538	1.000	1450925	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.582	8.583	1.000	1809521	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.025	11.039	1.000	2213904	40.00	ng/uL	-0.01
160) D Naphthalene-d8	136	5.529	5.538	1.000	1450925	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.266	7.270	1.000	835829	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.582	8.583	1.000	1809521	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.025	11.039	1.000	2213904	40.00	ng/uL	-0.01
173) E Naphthalene-d8	136	5.529	5.538	1.000	1450925	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.269	13.288	1.000	2415575	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.891	2.893	0.701	384648	35.07	ng/uL	0.00
8) Phenol-d5	99	3.756	3.741	0.911	289346	22.83	ng/uL	0.01
23) Nitrobenzene-d5	82	4.724	4.728	0.854	258782	30.06	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.633	6.685	0.913	970812	30.39	ng/uL	-0.05
63) 2,4,6-Tribromophenol	330	7.979	7.984	1.098	474429	69.57	ng/uL	0.00
79) p-Terphenyl-d14	244	9.930	9.944	1.157	1362762	27.72	ng/uL	-0.01

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	35%
8) Phenol-d5	100.000	15 - 85	23%
23) Nitrobenzene-d5	50.000	39 - 112	60%
44) 2-Fluorobiphenyl	50.000	39 - 112	61%
63) 2,4,6-Tribromophenol	100.000	37 - 132	70%
79) p-Terphenyl-d14	50.000	24 - 129	55%

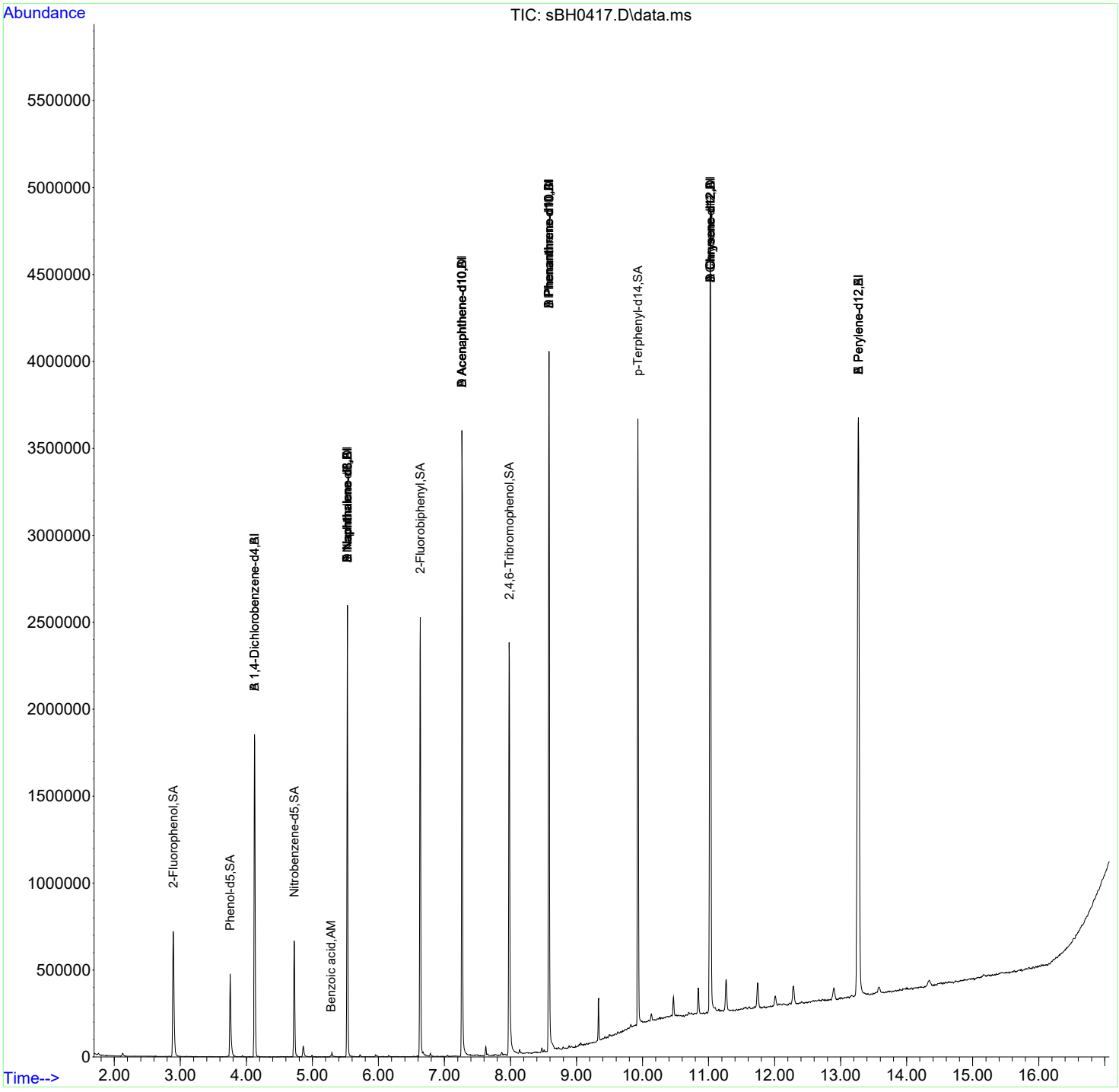
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
30) Benzoic acid	105	5.283	5.244	0.955	6325m	9.05	ng/uL	

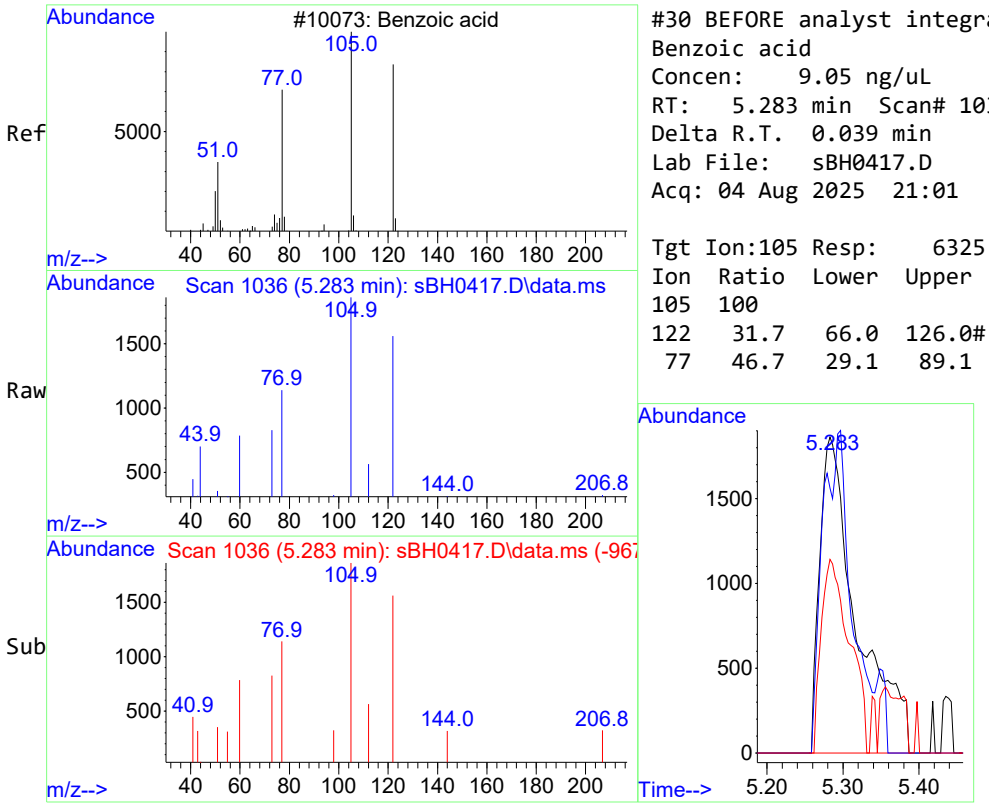
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0417.D
Acq On : 04 Aug 2025 21:01
Operator : LL2
InstName : MSDB
Sample : |735995004|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1A|mix[a,b,j,e]|
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 06 10:41:46 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

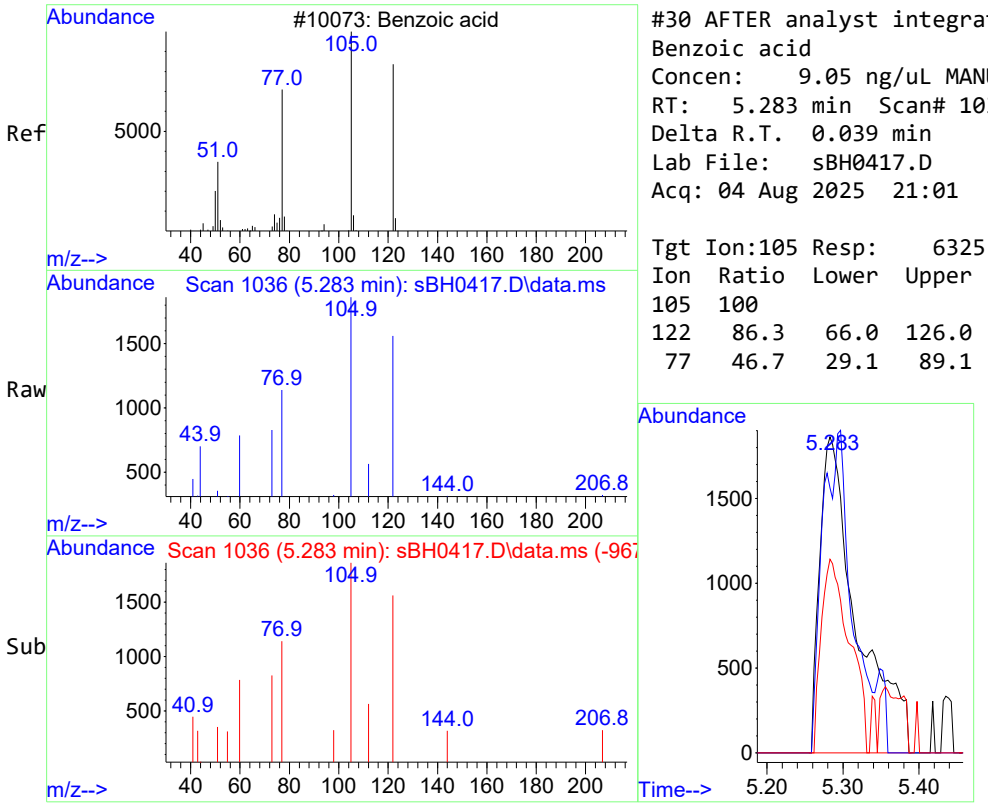




#30 BEFORE analyst integration
Benzoic acid
Concen: 9.05 ng/uL
RT: 5.283 min Scan# 1036
Delta R.T. 0.039 min
Lab File: sBH0417.D
Acq: 04 Aug 2025 21:01

Tgt Ion:105 Resp: 6325

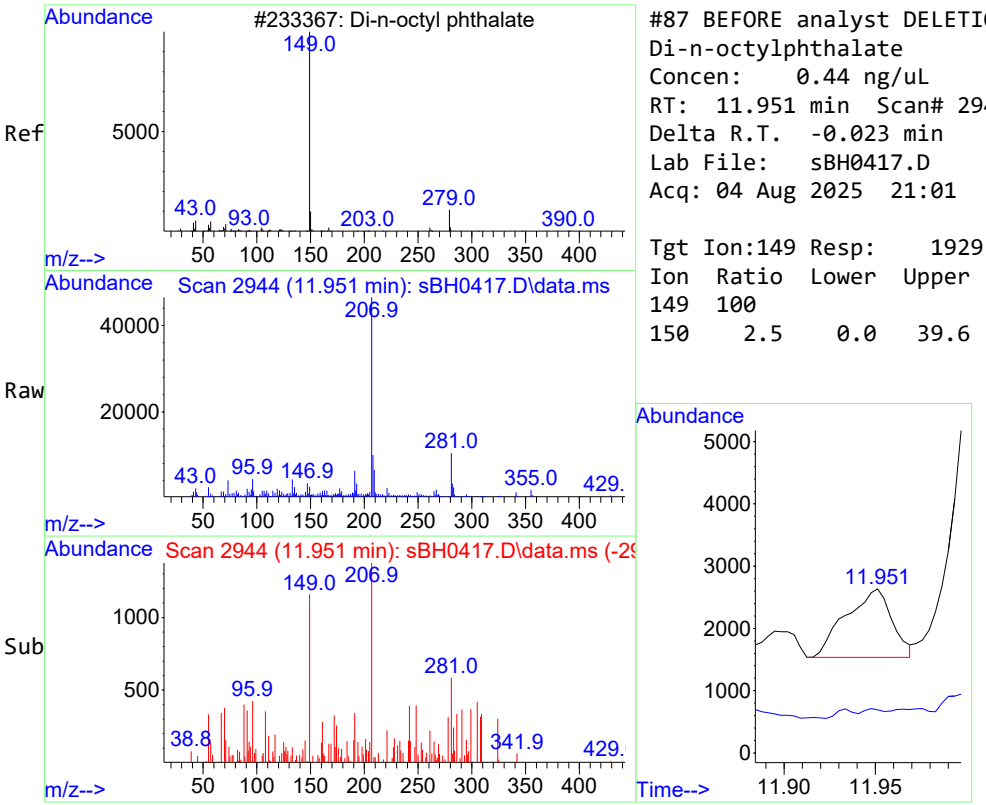
Ion	Ratio	Lower	Upper
105	100		
122	31.7	66.0	126.0#
77	46.7	29.1	89.1



#30 AFTER analyst integration
Benzoic acid AB
Concen: 9.05 ng/uL MANUALLY INTEGRATED
RT: 5.283 min Scan# 1036
Delta R.T. 0.039 min
Lab File: sBH0417.D
Acq: 04 Aug 2025 21:01

Tgt Ion:105 Resp: 6325

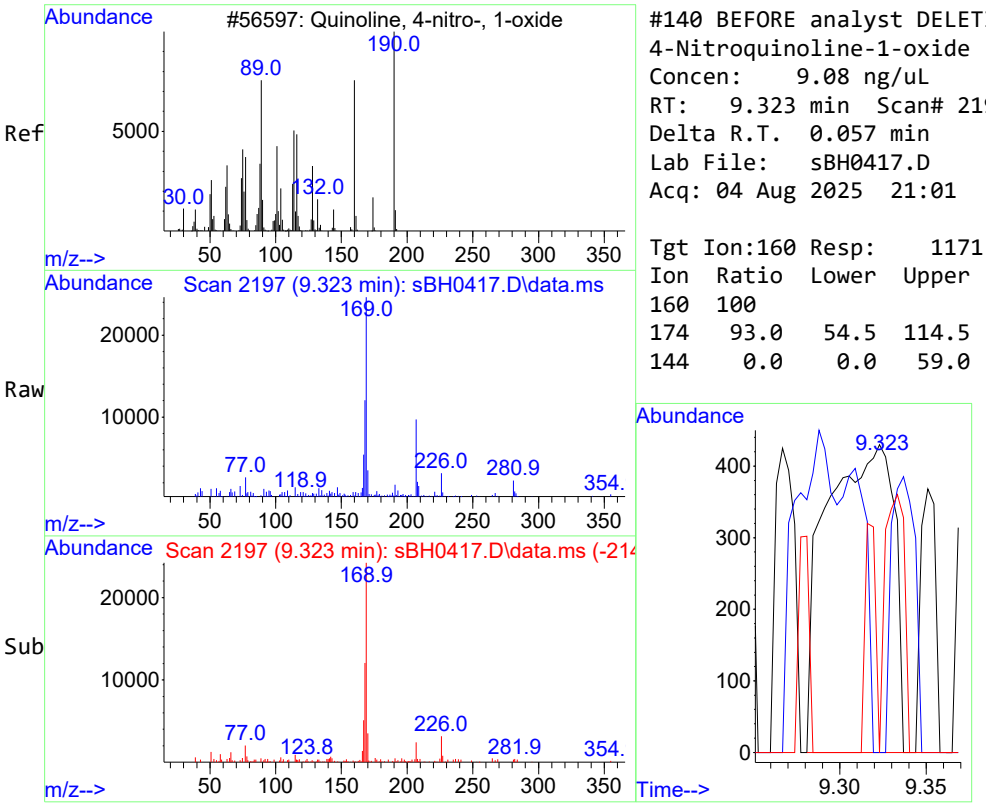
Ion	Ratio	Lower	Upper
105	100		
122	86.3	66.0	126.0
77	46.7	29.1	89.1



#87 BEFORE analyst DELETION
Di-n-octylphthalate
Concen: 0.44 ng/uL
RT: 11.951 min Scan# 2944
Delta R.T. -0.023 min
Lab File: sBH0417.D
Acq: 04 Aug 2025 21:01

Tgt Ion:149 Resp: 1929

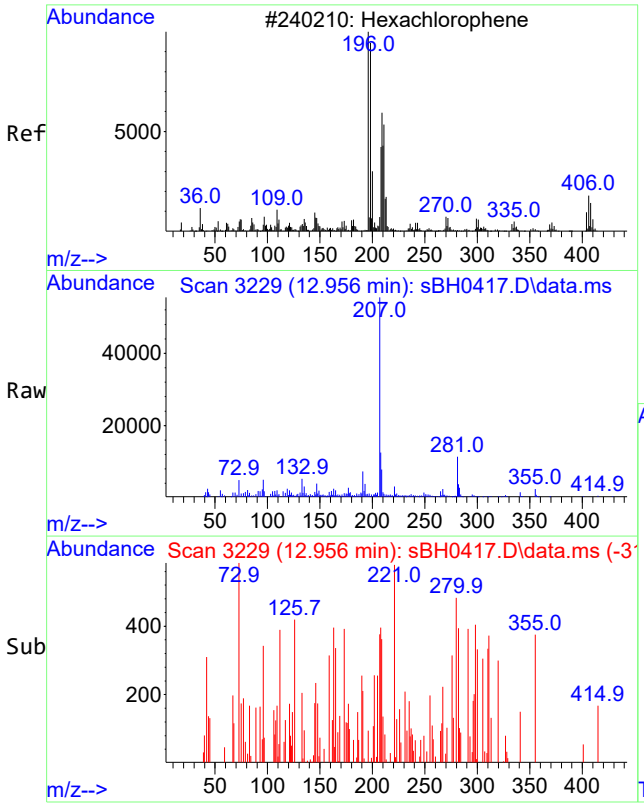
Ion	Ratio	Lower	Upper
149	100		
150	2.5	0.0	39.6



#140 BEFORE analyst DELETION
4-Nitroquinoline-1-oxide
Concen: 9.08 ng/uL
RT: 9.323 min Scan# 2197
Delta R.T. 0.057 min
Lab File: sBH0417.D
Acq: 04 Aug 2025 21:01

Tgt Ion:160 Resp: 1171

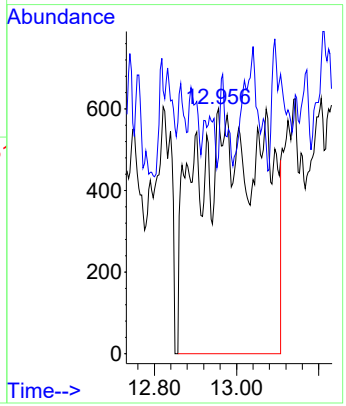
Ion	Ratio	Lower	Upper
160	100		
174	93.0	54.5	114.5
144	0.0	0.0	59.0



#176 BEFORE analyst DELETION
Hexachlorophene
Concen: 204.65 ng/uL
RT: 12.956 min Scan# 3229
Delta R.T. 0.011 min
Lab File: sBH0417.D
Acq: 04 Aug 2025 21:01

Tgt Ion:196 Resp: 6987

Ion	Ratio	Lower	Upper
196	100		
198	10.3	65.5	125.5#



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 09:25**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995005**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WDUP**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 22:04**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1022.39 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0420.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.293	ug/L	0.293	0.978
87-86-5	Pentachlorophenol	U	2.93	ug/L	2.93	9.78
117-84-0	Di-n-octylphthalate	U	0.293	ug/L	0.293	0.978
122-09-8	a,a-Dimethylphenethylamine	U	2.93	ug/L	2.93	9.78
70-30-4	Hexachlorophene	U	163	ug/L	163	489

LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0420.D
Acq On : 04 Aug 2025 22:04
Operator : LL2
InstName : MSDB
Sample : |735995005|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WDUP|mix[a,b,j,e]|
ALS Vial : 19 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 06 10:44:53 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.124	4.152	1.000	397456	40.00	ng/uL	-0.03
22) A Naphthalene-d8	136	5.529	5.538	1.000	1459115	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.265	7.270	1.000	841496	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.581	8.583	1.000	1773900	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.024	11.039	1.000	2216753	40.00	ng/uL	-0.02
88) A Perylene-d12	264	13.266	13.288	1.000	2433024	40.00	ng/uL	-0.02
96) B 1,4-Dichlorobenzene-d4	152	4.124	4.152	1.000	397456	40.00	ng/uL	-0.03
112) B Naphthalene-d8	136	5.529	5.538	1.000	1459115	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.265	7.270	1.000	841496	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.581	8.583	1.000	1773900	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.024	11.039	1.000	2216753	40.00	ng/uL	-0.02
149) B Perylene-d12	264	13.266	13.288	1.000	2433024	40.00	ng/uL	-0.02
152) J Naphthalene-d8	136	5.529	5.538	1.000	1459115	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.581	8.583	1.000	1773900	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.024	11.039	1.000	2216753	40.00	ng/uL	-0.02
160) D Naphthalene-d8	136	5.529	5.538	1.000	1459115	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.265	7.270	1.000	841496	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.581	8.583	1.000	1773900	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.024	11.039	1.000	2216753	40.00	ng/uL	-0.02
173) E Naphthalene-d8	136	5.529	5.538	1.000	1459115	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.266	13.288	1.000	2433024	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.888	2.893	0.700	363634	33.41	ng/uL	0.00
8) Phenol-d5	99	3.749	3.741	0.909	284237	22.60	ng/uL	0.00
23) Nitrobenzene-d5	82	4.724	4.728	0.854	262025	30.27	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.633	6.685	0.913	939638	29.22	ng/uL	-0.05
63) 2,4,6-Tribromophenol	330	7.982	7.984	1.099	450271	65.58	ng/uL	0.00
79) p-Terphenyl-d14	244	9.931	9.944	1.157	1000937	20.77	ng/uL	-0.01

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	33%
8) Phenol-d5	100.000	15 - 85	23%
23) Nitrobenzene-d5	50.000	39 - 112	61%
44) 2-Fluorobiphenyl	50.000	39 - 112	58%
63) 2,4,6-Tribromophenol	100.000	37 - 132	66%
79) p-Terphenyl-d14	50.000	24 - 129	42%

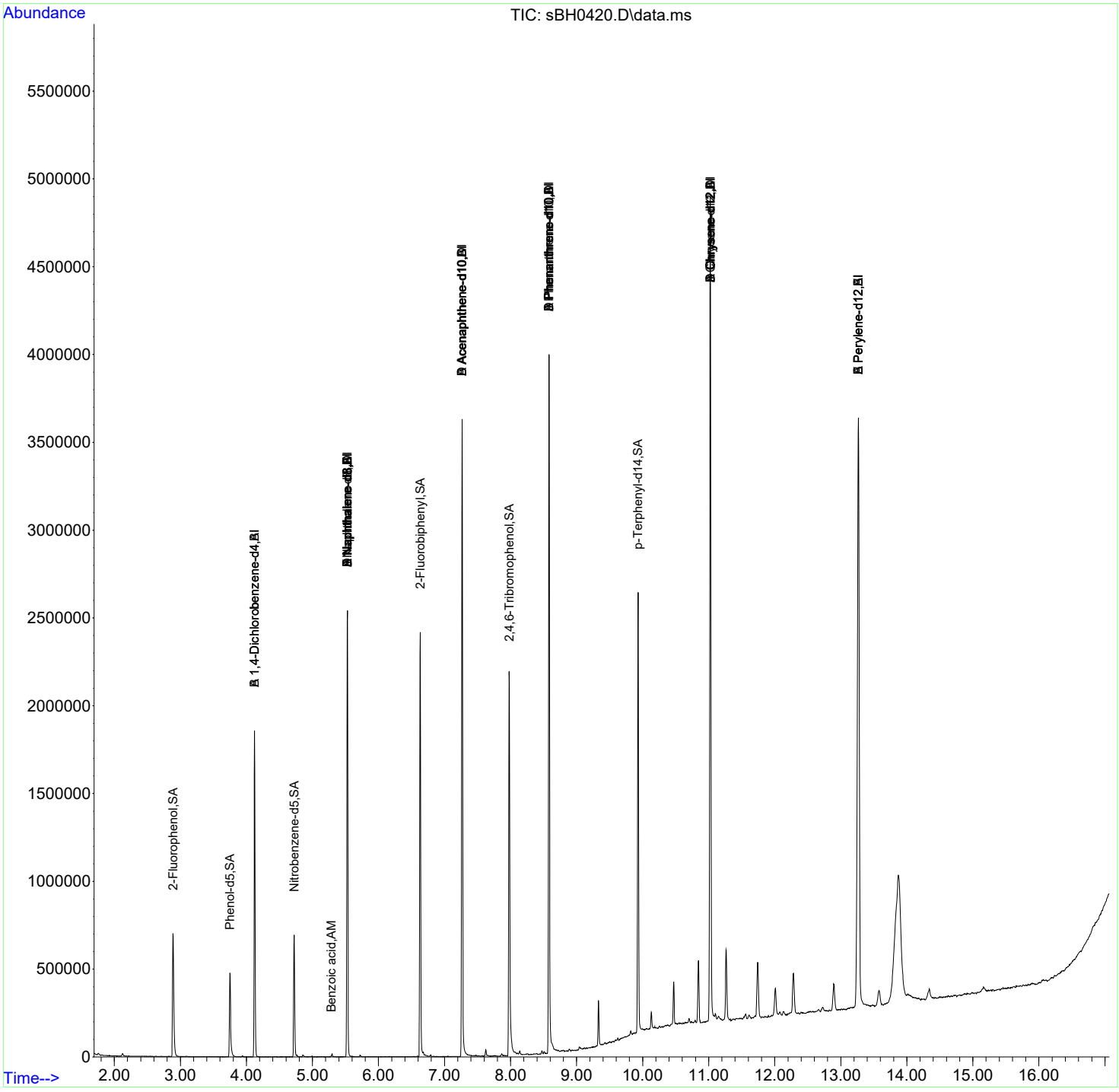
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
30) Benzoic acid	105	5.286	5.244	0.956	3176	8.67	ng/uL	77

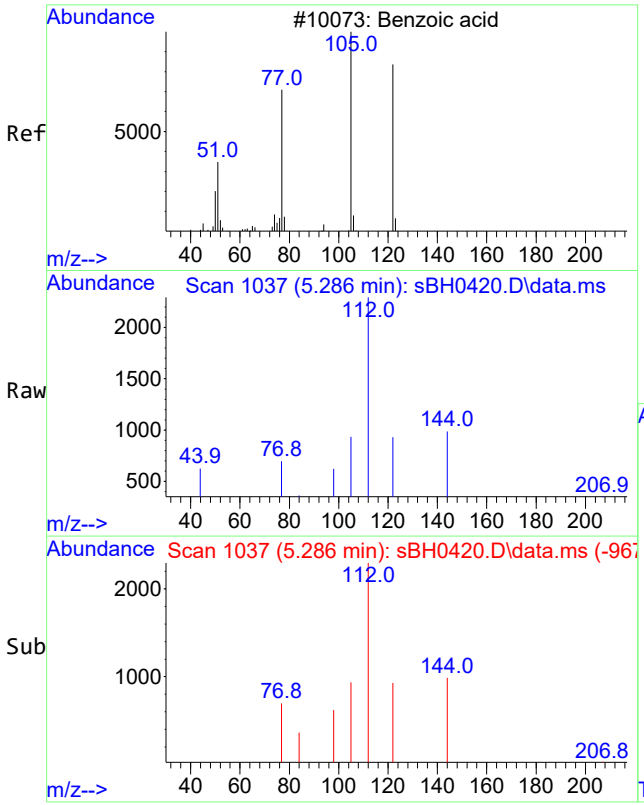
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0420.D
Acq On : 04 Aug 2025 22:04
Operator : LL2
InstName : MSDB
Sample : |735995005|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WDUP|mix[a,b,j,e]|
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 06 10:44:53 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

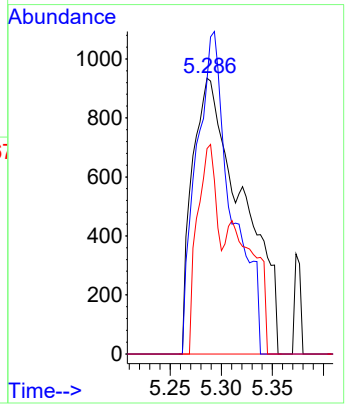


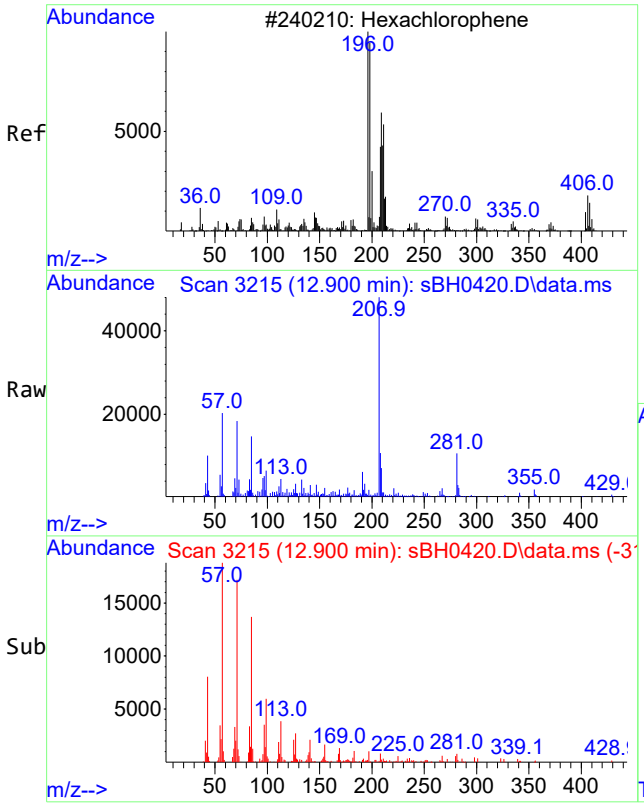


#30
Benzoic acid
Concen: 8.67 ng/uL
RT: 5.286 min Scan# 1037
Delta R.T. 0.042 min
Lab File: sBH0420.D
Acq: 04 Aug 2025 22:04

Tgt Ion:105 Resp: 3176

Ion	Ratio	Lower	Upper
105	100		
122	82.3	66.0	126.0
77	30.8	29.1	89.1

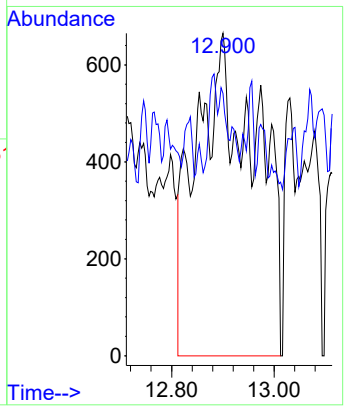




#176 BEFORE analyst DELETION
Hexachlorophene
Concen: 204.46 ng/uL
RT: 12.900 min Scan# 3215
Delta R.T. -0.044 min
Lab File: sBH0420.D
Acq: 04 Aug 2025 22:04

Tgt Ion:196 Resp: 5390

Ion	Ratio	Lower	Upper
196	100		
198	0.0	65.5	125.5#



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 09:45**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**735995006**	**Date Received:**	**07/31/2025 10:20**		
		Client:	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WC1B**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 22:25**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**983.68 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0421.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.305	ug/L	0.305	1.02
117-84-0	Di-n-octylphthalate	U	0.305	ug/L	0.305	1.02
122-09-8	a,a-Dimethylphenethylamine	U	3.05	ug/L	3.05	10.2
70-30-4	Hexachlorophene	U	170	ug/L	170	508

LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0421.D
Acq On : 04 Aug 2025 22:25
Operator : LL2
InstName : MSDB
Sample : |735995006|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1B|mix[a,b,j,e]|
ALS Vial : 20 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 06 10:45:33 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.123	4.152	1.000	426964	40.00	ng/uL	-0.03
22) A Naphthalene-d8	136	5.529	5.538	1.000	1536469	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.265	7.270	1.000	873029	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.583	8.583	1.000	1846932	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.023	11.039	1.000	2368241	40.00	ng/uL	-0.02
88) A Perylene-d12	264	13.264	13.288	1.000	2542957	40.00	ng/uL	-0.02
96) B 1,4-Dichlorobenzene-d4	152	4.123	4.152	1.000	426964	40.00	ng/uL	-0.03
112) B Naphthalene-d8	136	5.529	5.538	1.000	1536469	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.265	7.270	1.000	873029	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.583	8.583	1.000	1846932	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.023	11.039	1.000	2368241	40.00	ng/uL	-0.02
149) B Perylene-d12	264	13.264	13.288	1.000	2542957	40.00	ng/uL	-0.02
152) J Naphthalene-d8	136	5.529	5.538	1.000	1536469	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.583	8.583	1.000	1846932	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.023	11.039	1.000	2368241	40.00	ng/uL	-0.02
160) D Naphthalene-d8	136	5.529	5.538	1.000	1536469	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.265	7.270	1.000	873029	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.583	8.583	1.000	1846932	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.023	11.039	1.000	2368241	40.00	ng/uL	-0.02
173) E Naphthalene-d8	136	5.529	5.538	1.000	1536469	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.264	13.288	1.000	2542957	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.888	2.893	0.700	166104	14.21	ng/uL	0.00
8) Phenol-d5	99	3.749	3.741	0.909	154106	11.41	ng/uL	0.00
23) Nitrobenzene-d5	82	4.724	4.728	0.854	158420	17.38	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.632	6.685	0.913	549868	16.48	ng/uL	-0.05
63) 2,4,6-Tribromophenol	330	7.981	7.984	1.099	215123	30.20	ng/uL	0.00
79) p-Terphenyl-d14	244	9.931	9.944	1.157	500834	9.98	ng/uL	-0.01

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	14%
8) Phenol-d5	100.000	15 - 85	11%#
23) Nitrobenzene-d5	50.000	39 - 112	35%#
44) 2-Fluorobiphenyl	50.000	39 - 112	33%#
63) 2,4,6-Tribromophenol	100.000	37 - 132	30%#
79) p-Terphenyl-d14	50.000	24 - 129	20%#

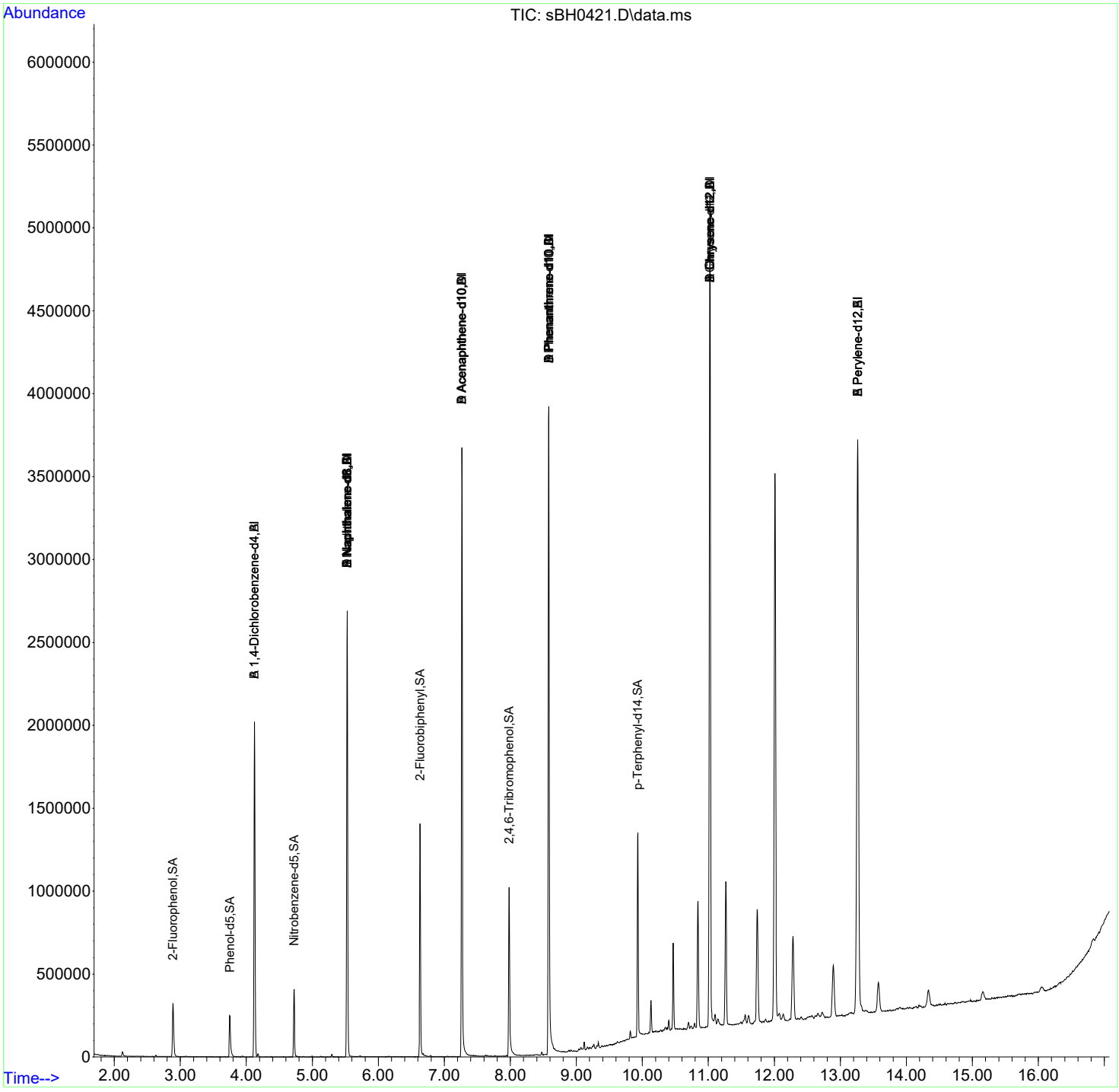
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue

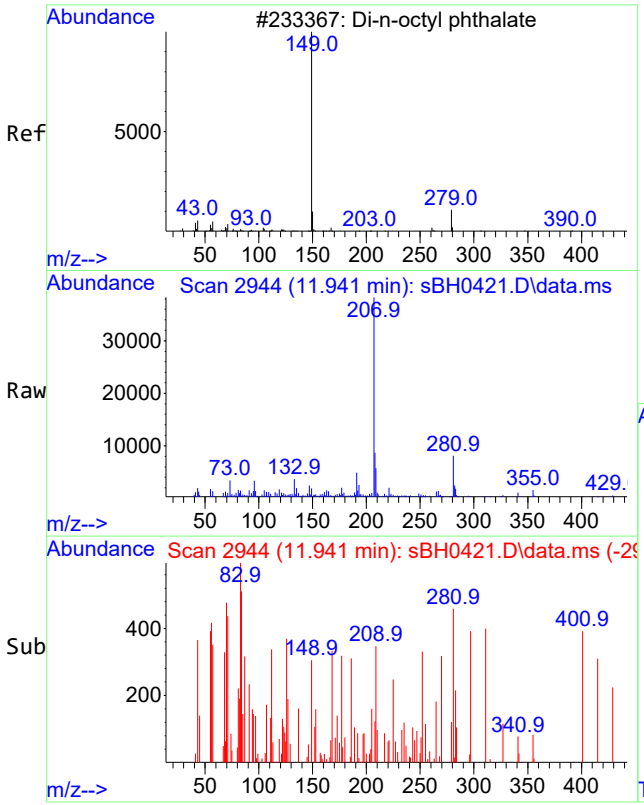
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0421.D
Acq On : 04 Aug 2025 22:25
Operator : LL2
InstName : MSDB
Sample : |735995006|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1B|mix[a,b,j,e]|
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 06 10:45:33 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

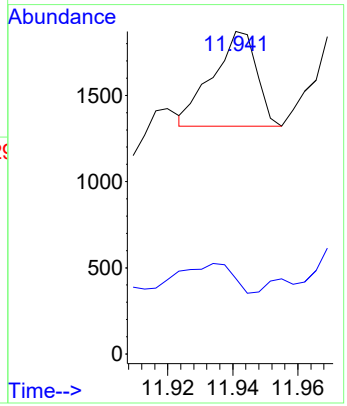


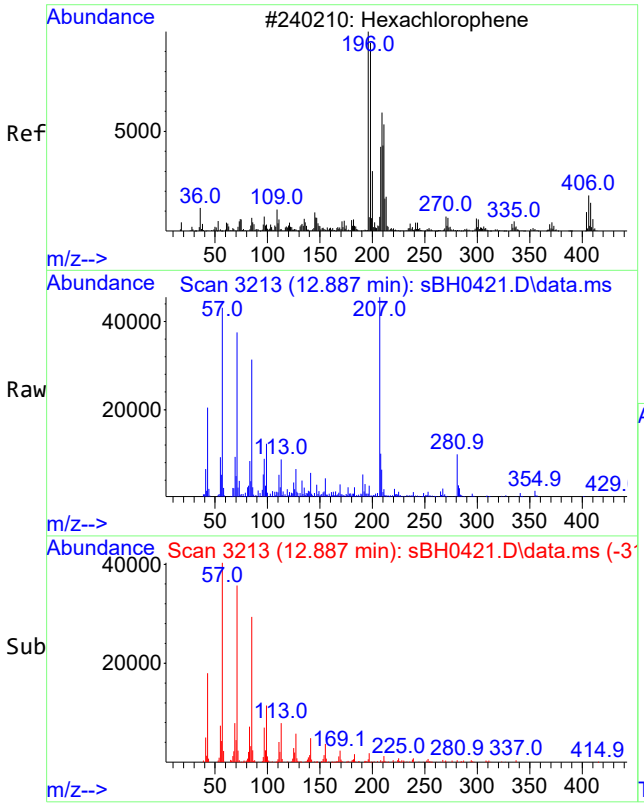


#87 BEFORE analyst DELETION
Di-n-octylphthalate
Concen: 0.41 ng/uL
RT: 11.941 min Scan# 2944
Delta R.T. -0.033 min
Lab File: sBH0421.D
Acq: 04 Aug 2025 22:25

Tgt Ion:149 Resp: 516

Ion	Ratio	Lower	Upper
149	100		
150	38.2	0.0	39.6

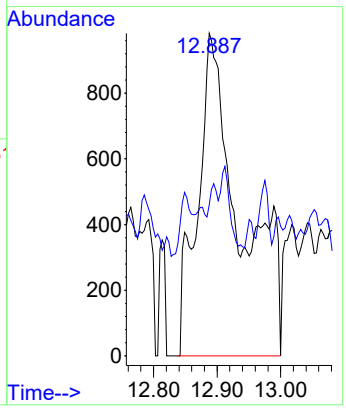




#176 BEFORE analyst DELETION
Hexachlorophene
Concen: 204.34 ng/uL
RT: 12.887 min Scan# 3213
Delta R.T. -0.057 min
Lab File: sBH0421.D
Acq: 04 Aug 2025 22:25

Tgt Ion:196 Resp: 4540

Ion	Ratio	Lower	Upper
196	100		
198	166.9	65.5	125.5#



Standards

08/11/2025

08/12/2025

Calibration History Report MSD2
GEL Laboratories, LLC
Method File : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Last Update : Fri Jun 13 14:20:24 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

Cal Lvl:1 Amt:0.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1202.D

Injection Date	Mix	Calibration File
12 Jun 2025 14:19	A	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1202.D

Cal Lvl:2 Amt:10.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1230.D

Injection Date	Mix	Calibration File
12 Jun 2025 14:44	A	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1203.D
12 Jun 2025 18:05	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1211.D
12 Jun 2025 18:05	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1211.D
12 Jun 2025 22:11	D	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1222.D
13 Jun 2025 00:43	E	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1230.D

Cal Lvl:3 Amt:20.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1204.D

Injection Date	Mix	Calibration File
12 Jun 2025 15:09	A	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1204.D
12 Jun 2025 18:27	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1212.D
12 Jun 2025 18:27	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1212.D
12 Jun 2025 22:30	D	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1223.D
13 Jun 2025 01:02	E	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1231.D

Cal Lvl:4 Amt:40.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1205.D

Injection Date	Mix	Calibration File
12 Jun 2025 15:34	A	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1205.D
12 Jun 2025 19:13	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1214.D
12 Jun 2025 19:13	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1214.D
12 Jun 2025 22:49	D	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1224.D
13 Jun 2025 01:21	E	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1232.D

Cal Lvl:5 Amt:50.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1206.D

Injection Date	Mix	Calibration File
12 Jun 2025 15:59	A	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1206.D
12 Jun 2025 19:36	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1215.D
12 Jun 2025 19:36	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1215.D
12 Jun 2025 23:08	D	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1225.D
13 Jun 2025 01:40	E	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1233.D

Cal Lvl:6 Amt:80.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1207.D

Injection Date	Mix	Calibration File
12 Jun 2025 16:24	A	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1207.D
12 Jun 2025 20:21	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1217.D
12 Jun 2025 20:21	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1217.D
12 Jun 2025 23:27	D	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1226.D
13 Jun 2025 01:59	E	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1234.D

Calibration History Report MSD2
GEL Laboratories, LLC
Method File : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Last Update : Fri Jun 13 14:20:24 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

Cal Lvl:7 Amt:100.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1208.D

Injection Date	Mix	Calibration File
12 Jun 2025 16:49	A	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1208.D
12 Jun 2025 20:44	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1218.D
12 Jun 2025 20:44	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1218.D
12 Jun 2025 23:46	D	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1227.D
13 Jun 2025 02:18	E	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1235.D

Cal Lvl:8 Amt:120.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1209.D

Injection Date	Mix	Calibration File
12 Jun 2025 17:15	A	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1209.D
12 Jun 2025 21:06	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1219.D
12 Jun 2025 21:06	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1219.D
13 Jun 2025 00:05	D	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1228.D

Cal Lvl:9 Amt:30.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1213.D

Injection Date	Mix	Calibration File
12 Jun 2025 18:50	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1213.D
12 Jun 2025 18:50	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1213.D

Cal Lvl:10 Amt:60.00 Last Updated with: D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1216.D

Injection Date	Mix	Calibration File
12 Jun 2025 19:58	B	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1216.D
12 Jun 2025 19:58	J	D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1216.D

MSD2_8270_061225.m Mon Aug 11 16:43:25 2025

08/11/2025

08/12/2025

Response Factor Report MSD2
GEL Laboratories, LLC

Method File : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Last Update : Fri Jun 13 14:20:24 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b | m1 | m2	7	8	9	10						
2)A 2-Ethoxyethanol		0.5406713	0.5567094	0.5227672	0.5442637	0.5525210				
	0.5656489	0.5704603					0.5504	AVRG		2.9436
3)AM N-Methyl-N-nitrosomethyl		0.7317833	0.7544021	0.7054295	0.7234263	0.7319626				
	0.7504093	0.7460654					0.7348	AVRG		2.3335
4)AM Pyridine		1.2207140	1.2804065	1.2163088	1.2526226	1.2607960				
	1.2813583	1.2829144					1.2564	AVRG		2.2550
5)SA 2-Fluorophenol		1.1708415	1.2048379	1.1365602	1.1637249	1.1593214				
	1.1948140	1.1999497					1.1757	AVRG		2.1319
6)A p-Benzoquinone		0.5721365	0.5984294	0.5738539	0.6090944	0.6137805				
	0.6274054	0.6150624					0.6014	AVRG		3.5269
7)AM Aniline		1.8966858	1.9563963	1.8267025	1.8653692	1.8612399				
	1.8787578	1.8742574					1.8799	AVRG		2.1229
8)SA Phenol-d5		1.4165655	1.4604609	1.3774900	1.4286136	1.4416309				
	1.4659572	1.4605011					1.4359	AVRG		2.1993
9)AMC Phenol		1.4996534	1.5386332	1.4633645	1.4914304	1.4936322				
	1.5245706	1.5285651					1.5057	AVRG		1.7449
10)AM bis(2-Chloroethyl) ether		1.2333394	1.2792426	1.1859195	1.2113301	1.2108817				
	1.2257417	1.2109169					1.2225	AVRG		2.3801
11)AM 2-Chlorophenol		1.3450804	1.3615306	1.2915168	1.3197818	1.3199039				
	1.3486201	1.3470684					1.3334	AVRG		1.8031
12)AM n-Decane		1.1680490	1.1941110	1.1252460	1.1405842	1.1343389				
	1.1680803	1.1598571					1.1558	AVRG		2.0629
13)AM 1,3-Dichlorobenzene		1.5491128	1.5546156	1.4644997	1.4864981	1.4861577				
	1.5134253	1.5167447					1.5102	AVRG		2.2241
14)AMC 1,4-Dichlorobenzene		1.5828003	1.5900602	1.4818288	1.5054581	1.5067133				
	1.5301690	1.5195814					1.5309	AVRG		2.6616
15)AM 1,2-Dichlorobenzene		1.5076770	1.5204190	1.4220621	1.4386003	1.4375888				

Response Factor Report MSD2
GEL Laboratories, LLC

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Last Update : Fri Jun 13 14:20:24 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
	1.4602601	1.4531667					1.4628	AVRG		2.5447
16)AM bis(2-Chloro-1-methyleth		1.4319244	1.4673122	1.3779034	1.4006673	1.4183647				
	1.4364719	1.4369941					1.4242	AVRG		2.0195
17)AM Benzyl alcohol		0.7693843	0.8141442	0.7706558	0.8075621	0.8062217				
	0.8249911	0.8273337					0.8029	AVRG		2.9680
18)AM o-Cresol		1.0239775	1.0563765	0.9969339	1.0203328	1.0259487				
	1.0388568	1.0460784					1.0298	AVRG		1.8896
19)AM m,p-Cresols		1.1546566	1.2147969	1.1650308	1.1780148	1.1917980				
	1.1990327	1.1919449					1.1850	AVRG		1.7388
20)AMP N-Nitrosodipropylamine		0.8297583	0.8751822	0.8399415	0.8643458	0.8826353				
	0.8935717	0.8936501					0.8684	AVRG		2.9128
21)AM Hexachloroethane		0.6119597	0.6080524	0.5743598	0.5896321	0.5893402				
	0.5971144	0.5981407					0.5955	AVRG		2.1211
23)SA Nitrobenzene-d5		0.3430881	0.3572614	0.3406078	0.3567691	0.3592701				
	0.3610439	0.3688664					0.3553	AVRG		2.8236
24)AM Nitrobenzene		0.3440159	0.3537266	0.3399312	0.3535938	0.3537249				
	0.3578214	0.3642655					0.3524	AVRG		2.3192
25)AM Isophorone		0.6146481	0.6323212	0.6034108	0.6356876	0.6424572				
	0.6495907	0.6578191					0.6337	AVRG		3.0198
26)AMC 2-Nitrophenol		0.1552975	0.1691526	0.1665793	0.1752140	0.1807031				
	0.1832310	0.1870985					0.1739	AVRG		6.3493
27)AM 2,4-Dimethylphenol		0.2990113	0.3136876	0.2895533	0.3019684	0.2983397				
	0.3013482	0.3072396					0.3016	AVRG		2.4981
28)AM bis(2-Chloroethoxy)metha		0.4256011	0.4339304	0.4108507	0.4206228	0.4218157				
	0.4164397	0.4239040					0.4219	AVRG		1.7202
29)AMC 2,4-Dichlorophenol		0.3006176	0.3087447	0.2903526	0.3031722	0.3032920				
	0.3024521	0.3077907					0.3023	AVRG		1.9982

Response Factor Report MSD2
GEL Laboratories, LLC

Method File : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Last Update : Fri Jun 13 14:20:24 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b | m1 | m2	7	8	9	10						
30)AM Benzoic acid			49706	111706	168714	290888		1/x^2		
-0.0508 | 0.2523 | 0.00	481346	458131						LINR	#	0.9936
31)AM 1,2,4-Trichlorobenzene		0.3528429	0.3518996	0.3331437	0.3427089	0.3362921				
	0.3363619	0.3413853					0.3421	AVRG		2.2618
32)AM alpha-Terpineol		0.2597694	0.2745765	0.2573173	0.2707814	0.2698247				
	0.2757888	0.2773744					0.2693	AVRG		2.9234
33)AM Naphthalene	0.9881535	1.0928138	1.1009902	1.0321099	1.0554363	1.0470078				
	1.0455494	1.0551949					1.0522	AVRG		3.3364
34)AM 4-Chloroaniline		0.4408111	0.4587478	0.4263377	0.4393857	0.4385759				
	0.4389515	0.4429287					0.4408	AVRG		2.1644
35)AMC Hexachlorobutadiene		0.2110007	0.2112474	0.1984969	0.2020388	0.2004880				
	0.2000125	0.2020916					0.2036	AVRG		2.5875
36)AMC 4-Chloro-3-methylphenol		0.2796978	0.2959010	0.2779318	0.2866436	0.2924994				
	0.2963687	0.3019844					0.2901	AVRG		3.1087
37)AM 2-Methylnaphthalene	0.5355653	0.6492724	0.6636281	0.6207584	0.6317277	0.6359118				
	0.6369678	0.6385719					0.6266	AVRG		6.2021
38)AM 1-Methylnaphthalene	0.5830543	0.6805142	0.6889772	0.6370680	0.6589059	0.6599180				
	0.6553772	0.6689920					0.6541	AVRG		5.0149
40)AMP Hexachlorocyclopentadien		0.5294073	0.5418300	0.5330828	0.5401308	0.5415878				
	0.5437853	0.5340480					0.5377	AVRG		1.0145
41)AM 2,3-Dichloroaniline		0.7698194	0.7773009	0.7540258	0.7700621	0.7611059				
	0.7672065	0.7613915					0.7658	AVRG		0.9954
42)AMC 2,4,6-Trichlorophenol		0.4332551	0.4635256	0.4544135	0.4666471	0.4655808				
	0.4681861	0.4726371					0.4606	AVRG		2.8835
43)AM 2,4,5-Trichlorophenol		0.4655734	0.4882938	0.4761496	0.4825053	0.4865832				
	0.4971741	0.4942710					0.4844	AVRG		2.2405
44)SA 2-Fluorobiphenyl		1.6748263	1.6491556	1.5669978	1.6014784	1.5669534				
	1.6005223	1.5743165					1.6049	AVRG		2.6302

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
45)AM 2-Chloronaphthalene	1.2051836	1.3978819	1.4102105	1.3486799	1.3544308	1.3460250				
	1.3560589	1.3629797					1.3477	AVRG		4.6160
46)AM o-Nitroaniline		0.3032321	0.3321977	0.3375869	0.3578781	0.3671277				
	0.3775774	0.3751502					0.3501	AVRG		7.7406
47)A 1,4-Dinitrobenzene		0.1751207	0.1881524	0.1881884	0.1982222	0.2072331				
	0.2180010	0.2167171					0.1988	AVRG		8.0790
48)A m-Dinitrobenzene		0.2007958	0.2172986	0.2204931	0.2286706	0.2344487				
	0.2413180	0.2407835					0.2263	AVRG		6.4366
49)AM m-Nitroaniline		0.3460485	0.3807854	0.3673442	0.3827953	0.3872355				
	0.3925579	0.3889551					0.3780	AVRG		4.2967
50)AM Dimethylphthalate	1.3167512	1.5699715	1.6164839	1.5352378	1.5612232	1.5681081				
	1.5694596	1.5616180					1.5374	AVRG		5.9784
51)AM 2,6-Dinitrotoluene		0.3082911	0.3350437	0.3288756	0.3349716	0.3352477				
	0.3389036	0.3440091					0.3322	AVRG		3.4589
52)AM 2,4-Dinitrotoluene		0.4184373	0.4470647	0.4451372	0.4573800	0.4683451				
	0.4781860	0.4721307					0.4552	AVRG		4.4942
53)AM Acenaphthylene	1.8267746	2.2783016	2.3048270	2.2354935	2.2776134	2.2492926				
	2.2854534	2.2642877					2.2153	AVRG		7.1518
54)AMC Acenaphthene	1.3196011	1.4829550	1.5148664	1.4303736	1.4586267	1.4506076				
	1.4645604	1.4493186					1.4464	AVRG		3.9514
55)AMP 2,4-Dinitrophenol			27139	51982	79411	133405		1/x^2		
-0.0237 | 0.2147 | 0.00	203774	198010						LINR		0.9959
56)AM Dibenzofuran		2.0302007	2.0033845	1.9416662	1.9442218	1.9230209				
	1.9381833	1.9395731					1.9600	AVRG		2.0467
57)A 2,3,4,6-Tetrachloropheno		0.4148992	0.4329948	0.4094021	0.4202945	0.4141422				
	0.4261421	0.4153822					0.4190	AVRG		1.9342
58)AM Diethylphthalate	1.2921578	1.6060496	1.6581745	1.5824346	1.6052046	1.6278366				

Response Factor Report MSD2
GEL Laboratories, LLC

Method File : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Last Update : Fri Jun 13 14:20:24 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
	1.6322805	1.6207089					1.5781	AVRG		7.4568
59)AMP 4-Nitrophenol		0.1782892	0.1996648	0.1955838	0.2036954	0.2116557				
	0.2157791	0.2150560					0.2028	AVRG		6.5552
60)AM Fluorene	1.3237176	1.6090914	1.6293295	1.5509723	1.5726366	1.5769730				
	1.5756321	1.5568847					1.5494	AVRG		6.1195
61)AM 4-Chlorophenylphenylethe		0.7583812	0.7710320	0.7285075	0.7355681	0.7327676				
	0.7287545	0.7264250					0.7402	AVRG		2.3499
62)AM p-Nitroaniline		0.3492276	0.3652604	0.3685925	0.3879128	0.3979398				
	0.4051497	0.4003112					0.3821	AVRG		5.5464
63)SA 2,4,6-Tribromophenol		0.3307766	0.3394859	0.3297924	0.3378147	0.3332380				
	0.3375263	0.3326165					0.3345	AVRG		1.1330
65)AM 2-Methyl-4,6-dinitrophen		0.1051890	0.1150006	0.1160530	0.1247796	0.1335175				
	0.1379107	0.1370243					0.1242	AVRG		10.1412
66)AMC Diphenylamine		0.6406018	0.6680689	0.6295503	0.6507483	0.6440416				
	0.6569179	0.6474100					0.6482	AVRG		1.8902
67)AM 1,2-Diphenylhydrazine		0.7500592	0.7897016	0.7498998	0.7791771	0.7793612				
	0.7909962	0.7933478					0.7761	AVRG		2.4043
68)AM 4-Bromophenylphenylether		0.2426419	0.2525105	0.2396229	0.2438306	0.2429882				
	0.2412813	0.2402877					0.2433	AVRG		1.7782
69)AM Hexachlorobenzene		0.3096014	0.3187938	0.2960644	0.2989817	0.2963566				
	0.2987609	0.2956541					0.3020	AVRG		2.9203
70)AM Pentachlorophenol		0.1658468	0.1734867	0.1736546	0.1831136	0.1851217				
	0.1924019	0.1885105					0.1803	AVRG		5.2835
71)AM n-Octadecane		0.4295617	0.4528432	0.4481408	0.4607363	0.4663899				
	0.4794438	0.4773929					0.4592	AVRG		3.8093
72)A Dinoseb		0.1441064	0.1647020	0.1704343	0.1853219	0.1997274				
	0.2081440	0.2055873					0.1826	AVRG		13.0991

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b | m1 | m2	7	8	9	10						
73)AM Phenanthrene	1.0612404	1.1952458	1.2137875	1.1371518	1.1484499	1.1599539				
	1.1611091	1.1366704					1.1517	AVRG		3.9571
74)AM Anthracene	0.9783116	1.1838634	1.2027487	1.1394433	1.1566940	1.1832709				
	1.1734452	1.1793146					1.1496	AVRG		6.2446
75)AM Carbazole	0.8356702	1.0756115	1.1014315	1.0490303	1.0766637	1.0885807				
	1.0922475	1.0877729					1.0509	AVRG		8.4076
76)AM Di-n-butylphthalate	0.9778998	1.2448886	1.3429254	1.3044781	1.3632003	1.3992276				
	1.4111298	1.3965273					1.3050	AVRG		10.9885
77)AMC Fluoranthene	1.0168161	1.2557070	1.3081170	1.2440552	1.2586629	1.2804496				
	1.3008080	1.2902125					1.2444	AVRG		7.6097
78)AM Pyrene	1.0959870	1.3254553	1.3740988	1.2890991	1.3222930	1.3367010				
	1.3606222	1.3314088					1.3045	AVRG		6.7472
79)SA p-Terphenyl-d14		1.0826738	1.1111115	1.0420801	1.0544348	1.0765957				
	1.0727519	1.0532800					1.0704	AVRG		2.1581
81)AM Butylbenzylphthalate	6945	94200	165457	315514	468681	784242		1/x^2		
-0.0046 | 0.5099 | 0.00	1209684	1154046						LINR	#	0.9943
82)AM bis(2-Ethylhexyl)phthala	9428	150594	274896	518559	755653	1267223		1/x^2		
-0.0094 | 0.8216 | 0.00	1900426	1796373						LINR	#	0.9966
83)AM Benzo(a)anthracene	1.0943690	1.2068167	1.2460607	1.1813780	1.2084231	1.1812414				
	1.1977416	1.2123195					1.1910	AVRG		3.7022
84)AM Chrysene	1.0295892	1.1503886	1.1903445	1.0811371	1.1226736	1.0969613				
	1.0967890	1.0969020					1.1081	AVRG		4.3190
85)A Methoxychlor		0.6657825	0.7219609	0.7131244	0.7611886	0.7712799				
	0.7937051	0.8063433					0.7476	AVRG		6.6570
86)A Methylenebis(2-chloroani		0.2092053	0.2311424	0.2222500	0.2353619	0.2407217				
	0.2498295	0.2492614					0.2340	AVRG		6.2707
87)AMC Di-n-octylphthalate	14162	213336	393233	756616	1132705	1945955		1/x^2		
-0.0145 | 1.2388 | 0.00	3003293	2856644						LINR	#	0.9902

Response Factor Report MSD2
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Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
89)AM Benzo(b)fluoranthene	0.9389069	1.1385935	1.1832609	1.1479559	1.1674611	1.1689730				
	1.1615294	1.1790550					1.1357	AVRG		7.1230
90)AM Benzo(k)fluoranthene	0.9188700	1.2058960	1.2455439	1.1652582	1.2189164	1.2203052				
	1.2117004	1.2145640					1.1751	AVRG		9.0128
91)AMC Benzo(a)pyrene	0.8135666	1.0729075	1.1198868	1.0761904	1.1180621	1.1246604				
	1.1245564	1.1385367					1.0735	AVRG		10.0303
92)AM Indeno(1,2,3-cd)pyrene	0.8449626	1.0903154	1.1242899	1.1067348	1.1419066	1.1661051				
	1.1951252	1.2080780					1.1097	AVRG		10.3242
93)AM Dibenzo(a,h)anthracene	0.8864015	1.0812318	1.1328718	1.0886836	1.1230453	1.1346982				
	1.1268438	1.1470688					1.0901	AVRG		7.8357
94)AM Benzo(ghi)perylene	0.9588951	1.1580231	1.2027664	1.1522882	1.1927760	1.1903237				
	1.1918410	1.2043195					1.1564	AVRG		7.1012
95)A Dibenzo(a,e)pyrene		0.9878291	1.0353526	0.9931517	1.0259477	1.0100015				
	1.0153543	1.0333702					1.0144	AVRG		1.8486
97)BM 1,4-Dioxane		0.4865709	0.4653192	0.4570618	0.4755411	0.4632455				
	0.4758274	0.4775956	0.4864483	0.4667062			0.4727	AVRG		2.1775
98)B Methyl methacrylate		0.6662246	0.6082757	0.6114185	0.6258548	0.6054561				
	0.6299651	0.6372876	0.6314128	0.6191002			0.6261	AVRG		2.9810
99)B Ethyl methacrylate		1.0869495	1.0099192	1.0093789	1.0307671	1.0139609				
	1.0327434	1.0402156	1.0409354	1.0133201			1.0309	AVRG		2.3839
100)B 2-Picoline		1.4111519	1.3305077	1.3489902	1.3721451	1.3560280				
	1.3754220	1.3781456	1.3765435	1.3548770			1.3671	AVRG		1.6731
101)B N-Nitrosomethylethylamin		0.5388540	0.5117920	0.5225617	0.5323734	0.5294014				
	0.5329691	0.5413825	0.5280614	0.5239223			0.5290	AVRG		1.6932
102)B Methyl methanesulfonate		0.7390444	0.6960230	0.6914200	0.6937939	0.6888963				
	0.6868465	0.6863548	0.7165511	0.6935769			0.6992	AVRG		2.4998
103)B N-Nitrosodiethylamine		0.5407579	0.5283620	0.5431048	0.5475492	0.5609629				

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Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
	0.5594072	0.5663154	0.5540036	0.5564307			0.5508	AVRG		2.1618
104)B 2-Butoxyethanol		1.2099560	1.1502713	1.1710530	1.1872854	1.1939637				
	1.2043172	1.2205607	1.1783978	1.1861066			1.1891	AVRG		1.7939
105)B Ethyl methanesulfonate		1.0319282	0.9909524	0.9753673	0.9807138	0.9792580				
	0.9914803	0.9928783	0.9964797	0.9733582			0.9903	AVRG		1.7863
106)BM Benzaldehyde		1.0320993	0.9863975	0.9923017	0.9933899	0.9695175				
	0.9538134	0.9450541	1.0273013	0.9864388			0.9874	AVRG		2.9729
107)B Pentachloroethane		0.5805693	0.5334772	0.5530455	0.5518244	0.5521843				
	0.5607994	0.5676097	0.5639966	0.5550931			0.5576	AVRG		2.3301
108)BM N-Nitrosopyrrolidine		0.5933191	0.5961153	0.6019777	0.6067638	0.6255460				
	0.6300829	0.6392601	0.5912283	0.6163735			0.6112	AVRG		2.8500
109)BM Acetophenone		1.8425303	1.7957231	1.7901126	1.7883826	1.8159913				
	1.8304134	1.8640351	1.8288442	1.8267601			1.8203	AVRG		1.3974
110)B N-Nitrosomorpholine		0.6216213	0.5933035	0.5919418	0.6028242	0.6046068				
	0.6124300	0.6252222	0.6122033	0.6134249			0.6086	AVRG		1.8891
111)B o-Toluidine		2.0855056	2.0321543	2.0318454	2.0429771	2.0488457				
	2.0838441	2.1050277	2.0544560	2.0645313			2.0610	AVRG		1.2454
113)B N-Nitrosopiperidine		0.1686033	0.1669698	0.1688340	0.1689686	0.1742607				
	0.1725642	0.1742233	0.1706242	0.1732772			0.1709	AVRG		1.5962
114)B a,a-Dimethylphenethylami		0.6839104	0.6731920	0.7082985	0.7115128	0.7606160				
	0.7558060	0.7723941	0.7001460	0.7458544			0.7235	AVRG		4.9665
115)BM 2,6-Dichlorophenol		0.2839827	0.2791902	0.2853057	0.2921756	0.2993439				
	0.2945687	0.3000609	0.2862984	0.2963332			0.2908	AVRG		2.5421
116)B Hexachloropropene		0.2375977	0.2263939	0.2297646	0.2327790	0.2373957				
	0.2372428	0.2379763	0.2341303	0.2315447			0.2339	AVRG		1.7498
117)BM Caprolactam		0.0741833	0.0742781	0.0806348	0.0818863	0.0862059				
	0.0858096	0.0889505	0.0799098	0.0854852			0.0819	AVRG		6.3948

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Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
118)B N-Nitrosodi-n-butylamine		0.0573166	0.0591024	0.0608816	0.0627385	0.0642159				
	0.0636266	0.0641534	0.0603169	0.0624834			0.0616	AVRG		3.9012
119)B Safrole		0.2720367	0.2592480	0.2640695	0.2638762	0.2692061				
	0.2680876	0.2675959	0.2663456	0.2689517			0.2666	AVRG		1.4099
121)B 1,2,4,5-Tetrachlorobenze		0.7397737	0.7174053	0.7199066	0.7116600	0.7115422				
	0.7177126	0.7156236	0.7278701	0.7065309			0.7187	AVRG		1.3833
122)BM 1,1-Biphenyl		1.8442042	1.7473269	1.7586060	1.7357412	1.7542100				
	1.7382709	1.7472522	1.7711897	1.7383117			1.7595	AVRG		1.9172
123)B Isosafrole		0.5486880	0.5498762	0.5560153	0.5575188	0.5755749				
	0.5617887	0.5717229	0.5591438	0.5587748			0.5599	AVRG		1.5948
124)B 1,4-Naphthoquinone		0.4718645	0.4744127	0.4974777	0.4992872	0.4894015				
	0.4874232	0.4806020	0.4853109	0.4956939			0.4868	AVRG		2.0196
125)B Pentachlorobenzene		0.6864652	0.6568711	0.6601994	0.6591199	0.6601091				
	0.6584201	0.6626448	0.6657967	0.6613297			0.6634	AVRG		1.3580
126)B 1-Naphthylamine		1.4029093	1.3675083	1.4225194	1.4047736	1.4611216				
	1.4663177	1.4682476	1.4069895	1.4380271			1.4265	AVRG		2.4240
127)B 2-Naphthylamine		1.4572371	1.4216858	1.4745205	1.4696729	1.4942462				
	1.5044365	1.5117240	1.4557048	1.4765635			1.4740	AVRG		1.8791
128)B 5-Nitro-o-toluidine		0.3348402	0.3488357	0.3850338	0.3886509	0.4193441				
	0.4201035	0.4283578	0.3710933	0.4007690			0.3886	AVRG		8.3677
129)B Tributylphosphate		1.5702830	1.6373264	1.7846663	1.8169636	1.9237220				
	1.9525224	1.9822016	1.7367398	1.8732480			1.8086	AVRG		7.8246
131)B 1,3,5-Trinitrobenzene		0.0909326	0.0904905	0.0990365	0.1002270	0.1070370				
	0.1069186	0.1091198	0.0962326	0.1032157			0.1004	AVRG		6.8456
132)B Phenacetin		0.3331849	0.3468656	0.3720150	0.3685702	0.3906508				
	0.3815567	0.3929065	0.3603420	0.3768345			0.3692	AVRG		5.3452
133)B Diallate		0.2162052	0.2108007	0.2187624	0.2179569	0.2212096				
	0.2201096	0.2228013	0.2190227	0.2173513			0.2182	AVRG		1.5736

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
134)B Cis Diallate		0.2543590	0.2480009	0.2573676	0.2564199	0.2602466				
	0.2589525	0.2621191	0.2576738	0.2557074			0.2568	AVRG		1.5736
135)B Trans Diallate		0.5007880	0.4907894	0.5114591	0.5179204	0.5162717				
	0.5097752	0.5200652	0.5135315	0.4987070			0.5088	AVRG		1.9490
136)BM Atrazine		0.2185478	0.2125360	0.2176332	0.2189456	0.2129757				
	0.2095586	0.2119636	0.2188528	0.2154316			0.2152	AVRG		1.6340
137)B 4-Aminobiphenyl		0.8584394	0.8535744	0.8874535	0.8833209	0.9172630				
	0.9037270	0.9117058	0.8717843	0.8963953			0.8871	AVRG		2.5435
138)B Pentachloronitrobenzene		0.0943189	0.0935662	0.0993735	0.0976529	0.1010095				
	0.1022200	0.1035553	0.0968445	0.0996006			0.0987	AVRG		3.4485
139)B Pronamide		0.3589712	0.3566327	0.3726876	0.3773140	0.3871991				
	0.3846170	0.3945999	0.3685478	0.3792511			0.3755	AVRG		3.3782
140)B 4-Nitroquinoline-1-oxide		0.0601717	0.0610469	0.0612154	0.0568510	0.0489018				
	0.0450747		0.0632549	0.0547913			0.0564	AVRG		11.4737
141)B Methapyrilene		0.3937140	0.3993811	0.4201950	0.4171010	0.4113454				
	0.3941944	0.3965673	0.4126462	0.4151830			0.4067	AVRG		2.6086
142)B Isodrin		0.1433956	0.1344397	0.1385464	0.1382925	0.1411450				
	0.1392221	0.1405960	0.1403117	0.1370849			0.1392	AVRG		1.8479
144)B Aramite		0.0904640	0.0865722	0.0944752	0.0975219	0.1007687				
	0.1007349	0.1006354	0.0947910	0.1001691			0.0962	AVRG		5.3131
145)B Kepone		0.1232203	0.1193742	0.1293923	0.1289617	0.1319861				
	0.1318125	0.1309368	0.1276982	0.1337640			0.1286	AVRG		3.5805
146)B p-(Dimethylamino)azobenz		0.1862002	0.1895832	0.2060575	0.2081661	0.2141731				
	0.2124590	0.2132383	0.2026014	0.2101970			0.2047	AVRG		5.0110
147)B Chlorobenzilate		0.3075501	0.3105437	0.3217380	0.3268629	0.3281630				
	0.3315898	0.3332634	0.3254229	0.3353444			0.3245	AVRG		2.9922
148)B 2-Acetylaminofluorene		0.3594186	0.3735754	0.4185401	0.4293337	0.4677279				

Response Factor Report MSD2
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Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
	0.4609743	0.4725476	0.3967571	0.4457198			0.4250	AVRG		9.7073
150)B 7,12-Dimethylbenz(a)anth		0.4775057	0.4742404	0.5031907	0.5065021	0.5220376				
	0.5266017	0.5315055	0.4983747	0.5149094			0.5061	AVRG		4.0121
151)B 3-Methylcholanthrene		0.1192548	0.1207383	0.1304960	0.1317175	0.1375619				
	0.1386012	0.1403560	0.1300183	0.1341909			0.1314	AVRG		5.6540
153)J Sulfolane		0.1170352	0.1103311	0.1085515	0.1095404	0.1118332				
	0.1095178	0.1094235	0.1102738	0.1117817			0.1109	AVRG		2.2864
155)J Prometon		0.1812014	0.1784587	0.1889798	0.1879318	0.1950505				
	0.1908636	0.1946671	0.1871376	0.1911246			0.1884	AVRG		2.9663
156)JM Benzidine		0.7663327	0.7757709	0.8385005	0.8364289	0.8778022				
	0.8479367	0.8728368	0.8154361	0.8425724			0.8304	AVRG		4.6481
158)J 3,3'-Dimethylbenzidine		0.7181325	0.7140316	0.7582899	0.7674454	0.7971666				
	0.7782325	0.7756140	0.7589733	0.7897118			0.7620	AVRG		3.8069
159)JM 3,3'-Dichlorobenzidine		0.4537348	0.4457954	0.4674266	0.4732061	0.4917628				
	0.4865518	0.4857698	0.4640511	0.4811633			0.4722	AVRG		3.3332
161)D Triethylphosphorothioate		0.1660814	0.1589401	0.1630601	0.1728942	0.1666021				
	0.1712112	0.1685658					0.1668	AVRG		2.8552
163)D Thionazine		0.2092923	0.2026609	0.2200615	0.2275413	0.2247311				
	0.2394707	0.2367823					0.2229	AVRG		6.0599
165)D Sulfotepp		0.1199248	0.1151583	0.1199623	0.1251492	0.1211650				
	0.1243502	0.1251992					0.1216	AVRG		3.0091
166)D Phorate		0.1229411	0.1242113	0.1354088	0.1393449	0.1345101				
	0.1423669	0.1400515					0.1341	AVRG		5.7389
167)D Dimethoate		0.2115955	0.2184007	0.2366395	0.2476886	0.2500116				
	0.2666610	0.2604627					0.2416	AVRG		8.5396
168)D Disulfoton		0.3531753	0.3265074	0.3370883	0.3472851	0.3392146				
	0.3511447	0.3471523					0.3431	AVRG		2.7310

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Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
169)D Methyl parathion		32697	53639	130183	230796	322304		1/x^2		
-0.0188 0.2272 0.00	726721	602414						LINR		0.9913
170)D Parathion		10413	17698	46274	81295	113876		1/x^2		
-0.0080 0.0800 0.00	245140	210679						LINR	#	0.9928
172)D Famphur		0.4105890	0.4182163	0.4495551	0.4691362	0.4693670				
	0.4796818	0.4787145					0.4536	AVRG		6.3124
174)E p-Phenylenediamine		0.5077452	0.5137195	0.5171146	0.5295486	0.5226252				
	0.5180781						0.5181	AVRG		1.4415
176)E Hexachlorophene		1032487	1589377	2209929	2333719	2524834		1/x^2		
-0.7771 0.1678 0.00	2574929							LINR		0.9959

(#) = Out of Range ($) = Individual RF Out of Range
AVRG = Average, LINR = Linear Regression, 1/x = the inverse of concentration, 1/x^2 = the inverse square of concentration

LL 06/20/2025

JCB 06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1202.D
Acq On : 12 Jun 2025 14:19
Operator : NM1
InstName : MSD2
Sample : |WBN250513-01.1|ICAL|1|SVM|1|M-1
Misc : |MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 14:21:05 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	209912	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	776600	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	378963	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	777053	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.198	12.197	1.000	830506	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.610	14.604	1.000	820486	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.198	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.610	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.198	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.198	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.610	14.620	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.319	3.324	0.683	5134	0.83	ng/uL	0.00
8) Phenol-d5	99	4.330	4.330	0.891	6050	0.80	ng/uL	0.00
23) Nitrobenzene-d5	82	5.608	5.613	0.854	5403	0.78	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.763	7.758	0.922	13904	0.91	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.127	9.127	1.085	2358	0.74	ng/uL	0.00
79) p-Terphenyl-d14	244	11.080	11.080	1.137	16106	0.77	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
33) Naphthalene	128	6.592	6.592	1.004	19185	0.94	ng/uL	98
37) 2-Methylnaphthalene	142	7.378	7.378	1.124	10398	0.85	ng/uL	94
38) 1-Methylnaphthalene	142	7.485	7.480	1.140	11320	0.89	ng/uL	100
45) 2-Chloronaphthalene	162	7.881	7.876	0.936	11418	0.89	ng/uL	97
50) Dimethylphthalate	163	8.159	8.159	0.969	12475	0.86	ng/uL	100
53) Acenaphthylene	152	8.282	8.282	0.984	17307	0.82	ng/uL	100
54) Acenaphthene	153	8.443	8.443	1.003	12502	0.91	ng/uL	93
58) Diethylphthalate	149	8.806	8.806	1.046	12242	0.82	ng/uL	99
60) Fluorene	166	8.919	8.913	1.060	12541	0.85	ng/uL	98
73) Phenanthrene	178	9.759	9.764	1.002	20616	0.92	ng/uL	95
74) Anthracene	178	9.807	9.807	1.007	19005	0.85	ng/uL	99
75) Carbazole	167	9.935	9.935	1.020	16234	0.80	ng/uL	96
76) Di-n-butylphthalate	149	10.213	10.213	1.048	18997	0.75	ng/uL	99
77) Fluoranthene	202	10.775	10.775	1.106	19753	0.82	ng/uL	99
78) Pyrene	202	10.973	10.973	1.126	21291	0.84	ng/uL	97
81) Butylbenzylphthalate	149	11.518	11.518	0.944	6945	1.01	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1202.D
Acq On : 12 Jun 2025 14:19
Operator : NM1
InstName : MSD2
Sample : |WBN250513-01.1|ICAL|1|SVM|1|M-1
Misc : |MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 14:21:05 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

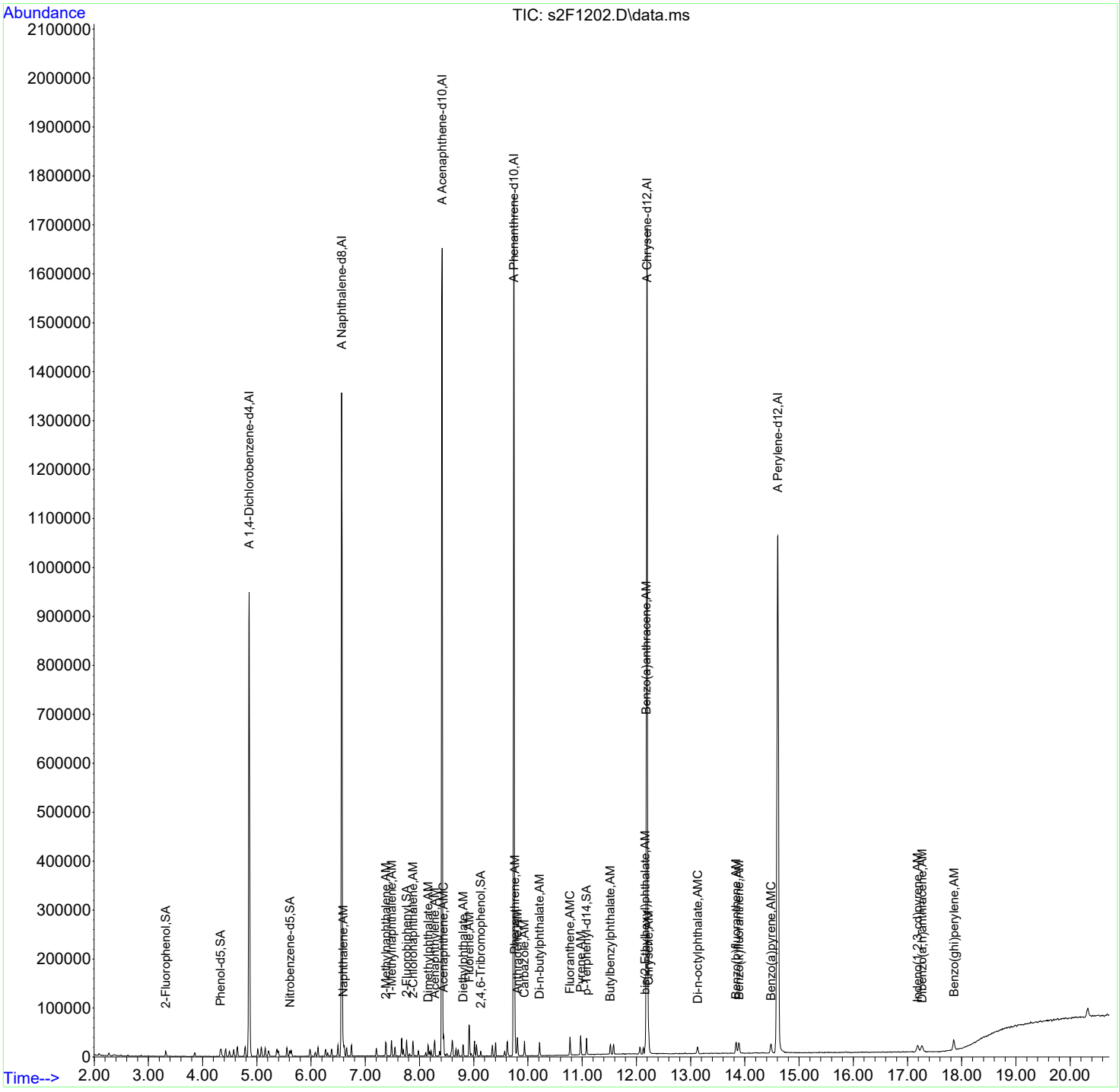
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
82)	bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	9428	1.01	ng/uL	99
83)	Benzo(a)anthracene	228	12.181	12.181	0.999	22722	0.92	ng/uL	95
84)	Chrysene	228	12.224	12.230	1.002	21377	0.93	ng/uL	99
87)	Di-n-octylphthalate	149	13.128	13.128	1.076	14162	1.02	ng/uL	99
89)	Benzo(b)fluoranthene	252	13.840	13.845	0.947	19259	0.83	ng/uL	99
90)	Benzo(k)fluoranthene	252	13.893	13.898	0.951	18848	0.78	ng/uL	98
91)	Benzo(a)pyrene	252	14.481	14.492	0.991	16688	0.76	ng/uL	99
92)	Indeno(1,2,3-cd)pyrene	276	17.188	17.204	1.176	17332	0.76	ng/uL	96
93)	Dibenzo(a,h)anthracene	278	17.268	17.279	1.182	18182	0.81	ng/uL	95
94)	Benzo(ghi)perylene	276	17.856	17.867	1.222	19669	0.83	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1202.D
Acq On : 12 Jun 2025 14:19
Operator : NM1
InstName : MSD2
Sample : |WBN250513-01.1|ICAL|1|SVM|1|M-1
Misc : |MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 14:21:05 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



LL
06/20/2025

JCB
06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1203.D
Acq On : 12 Jun 2025 14:44
Operator : NM1
InstName : MSD2
Sample : |WBN250513-02.1|ICAL|1|SVM|1|M-2
Misc : |MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 14:21:08 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	203399	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	754500	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	378733	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	773123	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.197	12.197	1.000	864108	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.610	14.604	1.000	858691	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.610	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.610	14.620	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.324	3.324	0.684	59537	9.96	ng/uL	0.00
8) Phenol-d5	99	4.330	4.330	0.891	72032	9.87	ng/uL	0.00
23) Nitrobenzene-d5	82	5.608	5.613	0.854	64715	9.66	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.763	7.758	0.922	158578	10.44	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.127	9.127	1.085	31319	9.89	ng/uL	0.00
79) p-Terphenyl-d14	244	11.080	11.080	1.137	209260	10.11	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.083	2.083	0.429	27493	9.82	ng/uL	98
3) N-Methyl-N-nitrosometh...	74	2.265	2.265	0.466	37211	9.96	ng/uL	99
4) Pyridine	79	2.319	2.313	0.477	62073	9.72	ng/uL	97
6) p-Benzoquinone	108	3.854	3.859	0.793	29093	9.51	ng/uL	100
7) Aniline	93	4.426	4.426	0.911	96446	10.09	ng/uL	100
9) Phenol	94	4.346	4.351	0.894	76257	9.96	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.495	4.501	0.925	62715	10.09	ng/uL	98
11) 2-Chlorophenol	128	4.576	4.576	0.942	68397	10.09	ng/uL	99
12) n-Decane	43	4.640	4.640	0.955	59395	10.11	ng/uL	99
13) 1,3-Dichlorobenzene	146	4.784	4.784	0.985	78772	10.26	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.881	4.881	1.004	80485	10.34	ng/uL	98
15) 1,2-Dichlorobenzene	146	5.084	5.084	1.046	76665	10.31	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	5.218	5.218	1.074	72813	10.05	ng/uL	99
17) Benzyl alcohol	108	5.020	5.020	1.033	39123	9.58	ng/uL	99
18) o-Cresol	107	5.153	5.159	1.061	52069	9.94	ng/uL	98
19) m,p-Cresols	108	5.373	5.373	1.106	58714	9.74	ng/uL	97

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1203.D
Acq On : 12 Jun 2025 14:44
Operator : NM1
InstName : MSD2
Sample : |WBN250513-02.1|ICAL|1|SVM|1|M-2
Misc : |MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 14:21:08 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	5.399	5.399	1.111	42193	9.55	ng/uL	99
21)	Hexachloroethane	117	5.554	5.554	1.143	31118	10.28	ng/uL	97
24)	Nitrobenzene	77	5.635	5.640	0.858	64890	9.76	ng/uL	99
25)	Isophorone	82	5.977	5.977	0.910	115938	9.70	ng/uL	99
26)	2-Nitrophenol	139	6.079	6.079	0.926	29293	8.93	ng/uL	100
27)	2,4-Dimethylphenol	122	6.127	6.132	0.933	56401	9.91	ng/uL	99
28)	bis(2-Chloroethoxy)met...	93	6.266	6.266	0.954	80279	10.09	ng/uL	99
29)	2,4-Dichlorophenol	162	6.378	6.384	0.971	56704	9.94	ng/uL	97
30)	Benzoic acid	105	6.175	6.207	0.941	21576	12.59	ng/uL	96
31)	1,2,4-Trichlorobenzene	180	6.496	6.496	0.989	66555	10.31	ng/uL	99
32)	alpha-Terpineol	59	6.608	6.608	1.007	48999	9.64	ng/uL	96
33)	Naphthalene	128	6.592	6.592	1.004	206132	10.39	ng/uL	100
34)	4-Chloroaniline	127	6.656	6.656	1.014	83148	10.00	ng/uL	99
35)	Hexachlorobutadiene	225	6.747	6.747	1.028	39800	10.36	ng/uL	99
36)	4-Chloro-3-methylphenol	107	7.202	7.202	1.097	52758	9.64	ng/uL	99
37)	2-Methylnaphthalene	142	7.378	7.378	1.124	122469	10.36	ng/uL	99
38)	1-Methylnaphthalene	142	7.480	7.480	1.139	128362	10.40	ng/uL	100
40)	Hexachlorocyclopentadiene	237	7.544	7.544	0.896	50126	9.85	ng/uL	99
41)	2,3-Dichloroaniline	161	7.667	7.667	0.911	72889	10.05	ng/uL	99
42)	2,4,6-Trichlorophenol	196	7.667	7.667	0.911	41022	9.41	ng/uL	98
43)	2,4,5-Trichlorophenol	196	7.699	7.699	0.915	44082	9.61	ng/uL	96
45)	2-Chloronaphthalene	162	7.876	7.876	0.936	132356	10.37	ng/uL	99
46)	o-Nitroaniline	65	7.977	7.977	0.948	28711	8.66	ng/uL	98
47)	1,4-Dinitrobenzene	168	8.111	8.111	0.964	16581	8.81	ng/uL	96
48)	m-Dinitrobenzene	168	8.181	8.181	0.972	19012	8.87	ng/uL	94
49)	m-Nitroaniline	138	8.368	8.368	0.994	32765	9.16	ng/uL	97
50)	Dimethylphthalate	163	8.154	8.159	0.969	148650	10.21	ng/uL	99
51)	2,6-Dinitrotoluene	165	8.213	8.213	0.976	29190	9.28	ng/uL	96
52)	2,4-Dinitrotoluene	165	8.587	8.587	1.020	39619	9.19	ng/uL	98
53)	Acenaphthylene	152	8.282	8.282	0.984	215717	10.28	ng/uL	99
54)	Acenaphthene	153	8.443	8.443	1.003	140411	10.25	ng/uL	99
55)	2,4-Dinitrophenol	184	8.464	8.464	1.006	14932	11.77	ng/uL	97
56)	Dibenzofuran	168	8.603	8.603	1.022	192226	10.36	ng/uL	100
57)	2,3,4,6-Tetrachlorophenol	232	8.710	8.710	1.035	39284	9.90	ng/uL	99
58)	Diethylphthalate	149	8.806	8.806	1.046	152066	10.18	ng/uL	99
59)	4-Nitrophenol	109	8.502	8.507	1.010	16881	8.79	ng/uL	100
60)	Fluorene	166	8.913	8.913	1.059	152354	10.39	ng/uL	99
61)	4-Chlorophenylphenylether	204	8.913	8.913	1.059	71806	10.25	ng/uL	99
62)	p-Nitroaniline	138	8.924	8.924	1.060	33066	9.14	ng/uL	99
65)	2-Methyl-4,6-dinitroph...	198	8.951	8.951	0.919	20331	8.47	ng/uL	98
66)	Diphenylamine	169	9.015	9.015	0.925	123816	9.88	ng/uL	99
67)	1,2-Diphenylhydrazine	77	9.052	9.052	0.929	144972	9.66	ng/uL	99
68)	4-Bromophenylphenylether	248	9.347	9.347	0.959	46898	9.97	ng/uL	99
69)	Hexachlorobenzene	284	9.400	9.400	0.965	59840	10.25	ng/uL	99
70)	Pentachlorophenol	266	9.566	9.566	0.982	32055	9.20	ng/uL	97
71)	n-Octadecane	57	9.619	9.619	0.987	83026	9.35	ng/uL	99
72)	Dinoseb	211	9.716	9.716	0.997	27853	7.89	ng/uL	98
73)	Phenanthrene	178	9.759	9.764	1.002	231018	10.38	ng/uL	100
74)	Anthracene	178	9.807	9.807	1.007	228818	10.30	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1203.D
Acq On : 12 Jun 2025 14:44
Operator : NM1
InstName : MSD2
Sample : |WBN250513-02.1|ICAL|1|SVM|1|M-2
Misc : |MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 14:21:08 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

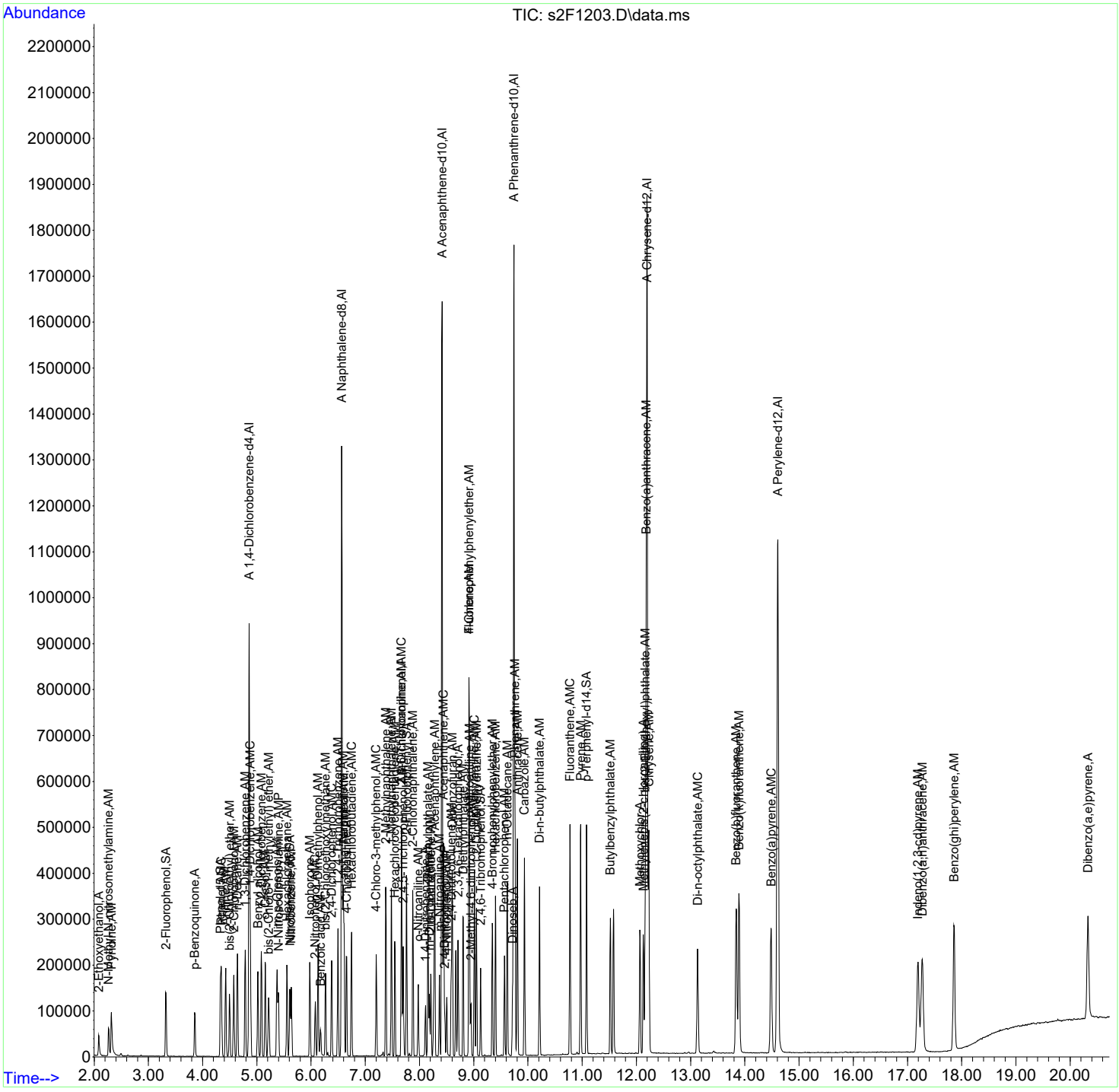
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75)	Carbazole	167	9.935	9.935	1.020	207895	10.24	ng/uL	99
76)	Di-n-butylphthalate	149	10.213	10.213	1.048	240613	9.54	ng/uL	100
77)	Fluoranthene	202	10.775	10.775	1.106	242704	10.09	ng/uL	100
78)	Pyrene	202	10.973	10.973	1.126	256185	10.16	ng/uL	99
81)	Butylbenzylphthalate	149	11.518	11.518	0.944	94200	8.91	ng/uL	99
82)	bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	150594	8.94	ng/uL	99
83)	Benzo(a)anthracene	228	12.181	12.181	0.999	260705	10.13	ng/uL	100
84)	Chrysene	228	12.230	12.230	1.003	248515	10.38	ng/uL	100
85)	Methoxychlor	227	12.064	12.069	0.989	143827	8.91	ng/uL	100
86)	Methylenebis(2-chloroa...	231	12.128	12.128	0.994	45194	8.94	ng/uL	98
87)	Di-n-octylphthalate	149	13.128	13.128	1.076	213336	8.44	ng/uL	100
89)	Benzo(b)fluoranthene	252	13.840	13.845	0.947	244425	10.03	ng/uL	99
90)	Benzo(k)fluoranthene	252	13.893	13.898	0.951	258873	10.26	ng/uL	100
91)	Benzo(a)pyrene	252	14.487	14.492	0.992	230324	9.99	ng/uL	99
92)	Indeno(1,2,3-cd)pyrene	276	17.193	17.204	1.177	231807	9.73	ng/uL	100
93)	Dibenzo(a,h)anthracene	278	17.273	17.279	1.182	232111	9.92	ng/uL	98
94)	Benzo(ghi)perylene	276	17.856	17.867	1.222	248596	10.01	ng/uL	99
95)	Dibenzo(a,e)pyrene	302	20.327	20.338	1.391	212060	9.74	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1203.D
Acq On : 12 Jun 2025 14:44
Operator : NM1
InstName : MSD2
Sample : |WBN250513-02.1|ICAL|1|SVM|1|M-2
Misc : |MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 13 14:21:08 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



LL
06/20/2025

JCB
06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1204.D
Acq On : 12 Jun 2025 15:09
Operator : NM1
InstName : MSD2
Sample : |WBN250513-03.1|ICAL|1|SVM|1|M-3
Misc : |MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 14:21:11 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	166683	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	620694	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	312013	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	629962	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.197	12.197	1.000	703099	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	713131	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.324	3.324	0.684	100413	20.50	ng/uL	0.00
8) Phenol-d5	99	4.330	4.330	0.891	121717	20.34	ng/uL	0.00
23) Nitrobenzene-d5	82	5.608	5.613	0.854	110875	20.11	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.763	7.758	0.922	257279	20.55	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.127	9.127	1.085	52962	20.30	ng/uL	0.00
79) p-Terphenyl-d14	244	11.080	11.080	1.137	349979	20.76	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.083	2.083	0.429	46397	20.23	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.265	2.265	0.466	62873	20.53	ng/uL	100
4) Pyridine	79	2.313	2.313	0.476	106711	20.38	ng/uL	100
6) p-Benzoquinone	108	3.859	3.859	0.794	49874	19.90	ng/uL	99
7) Aniline	93	4.426	4.426	0.911	163049	20.81	ng/uL	99
9) Phenol	94	4.346	4.351	0.894	128232	20.44	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.495	4.501	0.925	106614	20.93	ng/uL	99
11) 2-Chlorophenol	128	4.576	4.576	0.942	113472	20.42	ng/uL	99
12) n-Decane	43	4.640	4.640	0.955	99519	20.66	ng/uL	100
13) 1,3-Dichlorobenzene	146	4.784	4.784	0.985	129564	20.59	ng/uL	99
14) 1,4-Dichlorobenzene	146	4.880	4.881	1.004	132518	20.77	ng/uL	100
15) 1,2-Dichlorobenzene	146	5.084	5.084	1.046	126714	20.79	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	5.217	5.218	1.074	122288	20.60	ng/uL	100
17) Benzyl alcohol	108	5.019	5.020	1.033	67852	20.28	ng/uL	99
18) o-Cresol	107	5.159	5.159	1.062	88040	20.52	ng/uL	99
19) m,p-Cresols	108	5.373	5.373	1.106	101243	20.50	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1204.D
Acq On : 12 Jun 2025 15:09
Operator : NM1
InstName : MSD2
Sample : |WBN250513-03.1|ICAL|1|SVM|1|M-3
Misc : |MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 14:21:11 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	5.399	5.399	1.111	72939	20.16	ng/uL	99
21)	Hexachloroethane	117	5.554	5.554	1.143	50676	20.42	ng/uL	100
24)	Nitrobenzene	77	5.640	5.640	0.859	109778	20.07	ng/uL	99
25)	Isophorone	82	5.977	5.977	0.910	196239	19.96	ng/uL	100
26)	2-Nitrophenol	139	6.079	6.079	0.926	52496	19.45	ng/uL	99
27)	2,4-Dimethylphenol	122	6.127	6.132	0.933	97352	20.80	ng/uL	97
28)	bis(2-Chloroethoxy)met...	93	6.266	6.266	0.954	134669	20.57	ng/uL	98
29)	2,4-Dichlorophenol	162	6.378	6.384	0.971	95818	20.42	ng/uL	98
30)	Benzoic acid	105	6.191	6.207	0.943	49706	20.75	ng/uL	96
31)	1,2,4-Trichlorobenzene	180	6.496	6.496	0.989	109211	20.57	ng/uL	99
32)	alpha-Terpineol	59	6.608	6.608	1.007	85214	20.39	ng/uL	99
33)	Naphthalene	128	6.592	6.592	1.004	341689	20.93	ng/uL	99
34)	4-Chloroaniline	127	6.656	6.656	1.014	142371	20.81	ng/uL	99
35)	Hexachlorobutadiene	225	6.747	6.747	1.028	65560	20.75	ng/uL	99
36)	4-Chloro-3-methylphenol	107	7.202	7.202	1.097	91832	20.40	ng/uL	98
37)	2-Methylnaphthalene	142	7.378	7.378	1.124	205955	21.18	ng/uL	100
38)	1-Methylnaphthalene	142	7.485	7.480	1.140	213822	21.07	ng/uL	100
40)	Hexachlorocyclopentadiene	237	7.544	7.544	0.896	84529	20.15	ng/uL	99
41)	2,3-Dichloroaniline	161	7.672	7.667	0.912	121264	20.30	ng/uL	99
42)	2,4,6-Trichlorophenol	196	7.667	7.667	0.911	72313	20.13	ng/uL	99
43)	2,4,5-Trichlorophenol	196	7.699	7.699	0.915	76177	20.16	ng/uL	99
45)	2-Chloronaphthalene	162	7.876	7.876	0.936	220002	20.93	ng/uL	99
46)	o-Nitroaniline	65	7.977	7.977	0.948	51825	18.98	ng/uL	99
47)	1,4-Dinitrobenzene	168	8.111	8.111	0.964	29353	18.93	ng/uL	99
48)	m-Dinitrobenzene	168	8.181	8.181	0.972	33900	19.21	ng/uL	98
49)	m-Nitroaniline	138	8.368	8.368	0.994	59405	20.15	ng/uL	97
50)	Dimethylphthalate	163	8.154	8.159	0.969	252182	21.03	ng/uL	99
51)	2,6-Dinitrotoluene	165	8.213	8.213	0.976	52269	20.17	ng/uL	98
52)	2,4-Dinitrotoluene	165	8.587	8.587	1.020	69745	19.64	ng/uL	98
53)	Acenaphthylene	152	8.282	8.282	0.984	359568	20.81	ng/uL	100
54)	Acenaphthene	153	8.443	8.443	1.003	236329	20.95	ng/uL	99
55)	2,4-Dinitrophenol	184	8.464	8.464	1.006	27139	20.63	ng/uL	99
56)	Dibenzofuran	168	8.603	8.603	1.022	312541	20.44	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	8.710	8.710	1.035	67550	20.67	ng/uL	99
58)	Diethylphthalate	149	8.806	8.806	1.046	258686	21.01	ng/uL	100
59)	4-Nitrophenol	109	8.501	8.507	1.010	31149	19.69	ng/uL	96
60)	Fluorene	166	8.913	8.913	1.059	254186	21.03	ng/uL	100
61)	4-Chlorophenylphenylether	204	8.913	8.913	1.059	120286	20.83	ng/uL	99
62)	p-Nitroaniline	138	8.924	8.924	1.060	56983	19.12	ng/uL	98
65)	2-Methyl-4,6-dinitroph...	198	8.951	8.951	0.919	36223	18.52	ng/uL	100
66)	Diphenylamine	169	9.015	9.015	0.925	210429	20.61	ng/uL	99
67)	1,2-Diphenylhydrazine	77	9.052	9.052	0.929	248741	20.35	ng/uL	99
68)	4-Bromophenylphenylether	248	9.347	9.347	0.959	79536	20.76	ng/uL	100
69)	Hexachlorobenzene	284	9.400	9.400	0.965	100414	21.11	ng/uL	100
70)	Pentachlorophenol	266	9.566	9.566	0.982	54645	19.24	ng/uL	99
71)	n-Octadecane	57	9.619	9.619	0.987	142637	19.72	ng/uL	99
72)	Dinoseb	211	9.716	9.716	0.997	51878	18.04	ng/uL	99
73)	Phenanthrene	178	9.764	9.764	1.002	382320	21.08	ng/uL	99
74)	Anthracene	178	9.807	9.807	1.007	378843	20.92	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1204.D
Acq On : 12 Jun 2025 15:09
Operator : NM1
InstName : MSD2
Sample : |WBN250513-03.1|ICAL|1|SVM|1|M-3
Misc : |MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 14:21:11 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

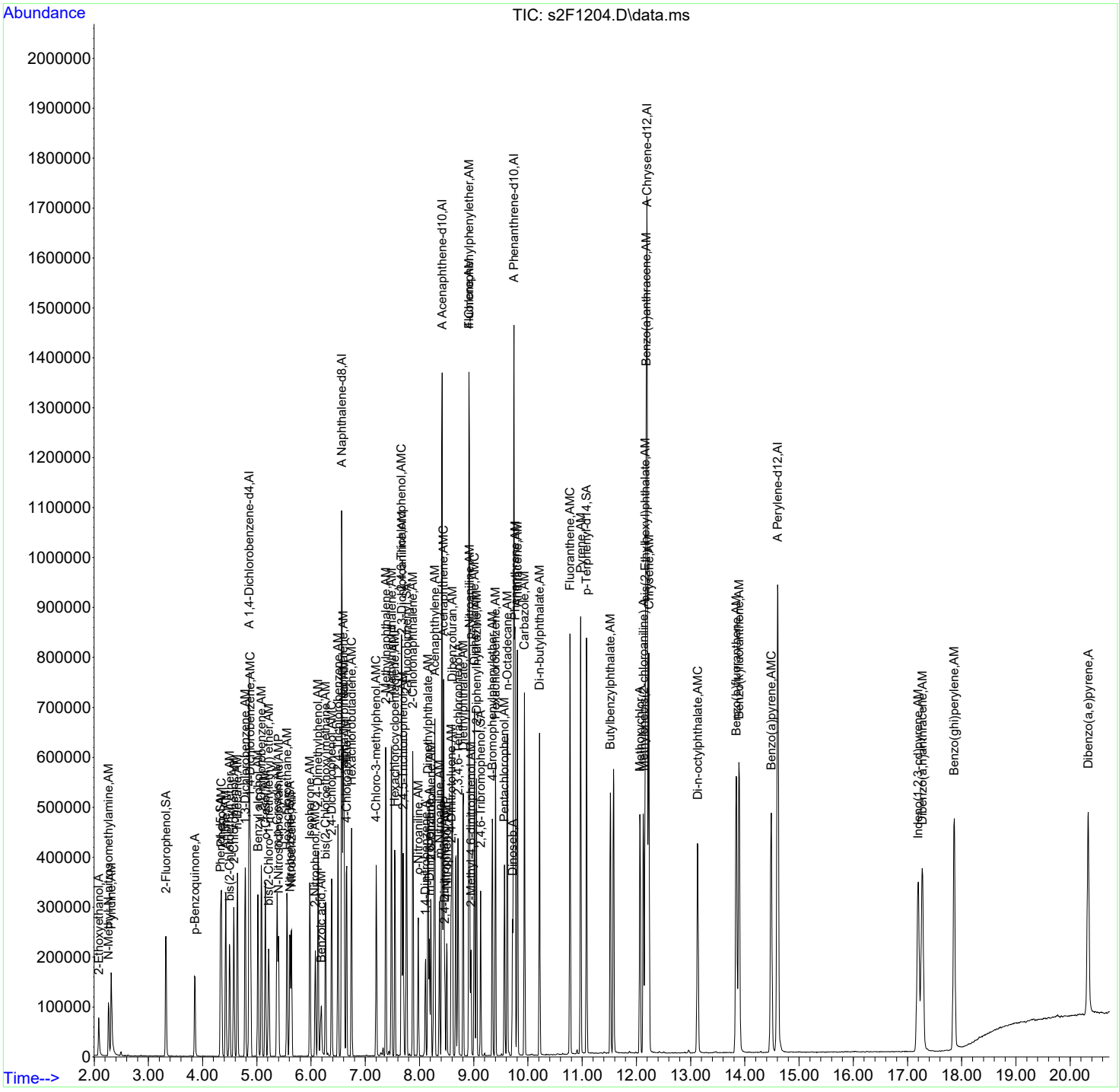
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75)	Carbazole	167	9.935	9.935	1.020	346930	20.96	ng/uL	100
76)	Di-n-butylphthalate	149	10.213	10.213	1.048	422996	20.58	ng/uL	100
77)	Fluoranthene	202	10.775	10.775	1.106	412032	21.02	ng/uL	99
78)	Pyrene	202	10.973	10.973	1.126	432815	21.07	ng/uL	100
81)	Butylbenzylphthalate	149	11.518	11.518	0.944	165457	18.82	ng/uL	100
82)	bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	274896	19.49	ng/uL	99
83)	Benzo(a)anthracene	228	12.181	12.181	0.999	438052	20.92	ng/uL	99
84)	Chrysene	228	12.229	12.230	1.003	418465	21.48	ng/uL	99
85)	Methoxychlor	227	12.064	12.069	0.989	253805	19.31	ng/uL	100
86)	Methylenebis(2-chloroa...	231	12.128	12.128	0.994	81258	19.76	ng/uL	100
87)	Di-n-octylphthalate	149	13.128	13.128	1.076	393233	18.53	ng/uL	100
89)	Benzo(b)fluoranthene	252	13.845	13.845	0.948	421910	20.84	ng/uL	100
90)	Benzo(k)fluoranthene	252	13.893	13.898	0.951	444118	21.20	ng/uL	100
91)	Benzo(a)pyrene	252	14.487	14.492	0.992	399313	20.86	ng/uL	99
92)	Indeno(1,2,3-cd)pyrene	276	17.198	17.204	1.178	400883	20.26	ng/uL	99
93)	Dibenzo(a,h)anthracene	278	17.273	17.279	1.183	403943	20.78	ng/uL	99
94)	Benzo(ghi)perylene	276	17.862	17.867	1.223	428865	20.80	ng/uL	99
95)	Dibenzo(a,e)pyrene	302	20.333	20.338	1.392	369171	20.41	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1204.D
Acq On : 12 Jun 2025 15:09
Operator : NM1
InstName : MSD2
Sample : |WBN250513-03.1|ICAL|1|SVM|1|M-3
Misc : |MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 13 14:21:11 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

06/23/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1205.D
Acq On : 12 Jun 2025 15:34
Operator : NM1
InstName : MSD2
Sample : |WBN250513-04.1|ICAL|1|SVM|1|M-4
Misc : |MIX[A]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 14:21:14 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	162097	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	603022	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	295592	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	596529	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.197	12.197	1.000	667352	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	668929	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.324	3.324	0.684	184233	38.67	ng/uL	0.00
8) Phenol-d5	99	4.330	4.330	0.891	223287	38.37	ng/uL	0.00
23) Nitrobenzene-d5	82	5.613	5.613	0.855	205394	38.35	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.758	7.758	0.922	463192	39.06	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.127	9.127	1.085	97484	39.44	ng/uL	0.00
79) p-Terphenyl-d14	244	11.080	11.080	1.137	621631	38.94	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.083	2.083	0.429	84739	37.99	ng/uL	100
3) N-Methyl-N-nitrosometh...	74	2.265	2.265	0.466	114348	38.40	ng/uL	100
4) Pyridine	79	2.313	2.313	0.476	197160	38.72	ng/uL	100
6) p-Benzoquinone	108	3.859	3.859	0.794	93020	38.17	ng/uL	100
7) Aniline	93	4.426	4.426	0.911	296103	38.87	ng/uL	100
9) Phenol	94	4.351	4.351	0.895	237207	38.88	ng/uL	100
10) bis(2-Chloroethyl) ether	93	4.501	4.501	0.926	192234	38.80	ng/uL	100
11) 2-Chlorophenol	128	4.576	4.576	0.942	209351	38.74	ng/uL	100
12) n-Decane	43	4.640	4.640	0.955	182399	38.94	ng/uL	100
13) 1,3-Dichlorobenzene	146	4.784	4.784	0.985	237391	38.79	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.881	4.881	1.004	240200	38.72	ng/uL	100
15) 1,2-Dichlorobenzene	146	5.084	5.084	1.046	230512	38.89	ng/uL	100
16) bis(2-Chloro-1-methyle...	45	5.218	5.218	1.074	223354	38.70	ng/uL	100
17) Benzyl alcohol	108	5.020	5.020	1.033	124921	38.39	ng/uL	100
18) o-Cresol	107	5.159	5.159	1.062	161600	38.72	ng/uL	100
19) m,p-Cresols	108	5.373	5.373	1.106	188848	39.32	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1205.D
Acq On : 12 Jun 2025 15:34
Operator : NM1
InstName : MSD2
Sample : |WBN250513-04.1|ICAL|1|SVM|1|M-4
Misc : |MIX[A]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 14:21:14 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	5.399	5.399	1.111	136152	38.69	ng/uL	100
21)	Hexachloroethane	117	5.554	5.554	1.143	93102	38.58	ng/uL	100
24)	Nitrobenzene	77	5.640	5.640	0.859	204986	38.58	ng/uL	100
25)	Isophorone	82	5.977	5.977	0.910	363870	38.09	ng/uL	100
26)	2-Nitrophenol	139	6.079	6.079	0.926	100451	38.32	ng/uL	100
27)	2,4-Dimethylphenol	122	6.132	6.132	0.934	174607	38.40	ng/uL	100
28)	bis(2-Chloroethoxy)met...	93	6.266	6.266	0.954	247752	38.95	ng/uL	100
29)	2,4-Dichlorophenol	162	6.384	6.384	0.972	175089	38.41	ng/uL	100
30)	Benzoic acid	105	6.207	6.207	0.945	111706	37.42	ng/uL	100
31)	1,2,4-Trichlorobenzene	180	6.496	6.496	0.989	200893	38.95	ng/uL	100
32)	alpha-Terpineol	59	6.608	6.608	1.007	155168	38.21	ng/uL	100
33)	Naphthalene	128	6.592	6.592	1.004	622385	39.24	ng/uL	100
34)	4-Chloroaniline	127	6.656	6.656	1.014	257091	38.69	ng/uL	100
35)	Hexachlorobutadiene	225	6.747	6.747	1.028	119698	38.99	ng/uL	100
36)	4-Chloro-3-methylphenol	107	7.202	7.202	1.097	167599	38.32	ng/uL	100
37)	2-Methylnaphthalene	142	7.378	7.378	1.124	374331	39.63	ng/uL	100
38)	1-Methylnaphthalene	142	7.480	7.480	1.139	384166	38.96	ng/uL	100
40)	Hexachlorocyclopentadiene	237	7.544	7.544	0.896	157575	39.66	ng/uL	100
41)	2,3-Dichloroaniline	161	7.667	7.667	0.911	222884	39.38	ng/uL	100
42)	2,4,6-Trichlorophenol	196	7.667	7.667	0.911	134321	39.46	ng/uL	100
43)	2,4,5-Trichlorophenol	196	7.699	7.699	0.915	140746	39.32	ng/uL	100
45)	2-Chloronaphthalene	162	7.876	7.876	0.936	398659	40.03	ng/uL	100
46)	o-Nitroaniline	65	7.977	7.977	0.948	99788	38.57	ng/uL	100
47)	1,4-Dinitrobenzene	168	8.111	8.111	0.964	55627	37.86	ng/uL	100
48)	m-Dinitrobenzene	168	8.181	8.181	0.972	65176	38.98	ng/uL	100
49)	m-Nitroaniline	138	8.368	8.368	0.994	108584	38.88	ng/uL	100
50)	Dimethylphthalate	163	8.159	8.159	0.969	453804	39.94	ng/uL	100
51)	2,6-Dinitrotoluene	165	8.213	8.213	0.976	97213	39.60	ng/uL	100
52)	2,4-Dinitrotoluene	165	8.587	8.587	1.020	131579	39.11	ng/uL	100
53)	Acenaphthylene	152	8.282	8.282	0.984	660794	40.37	ng/uL	100
54)	Acenaphthene	153	8.443	8.443	1.003	422807	39.56	ng/uL	100
55)	2,4-Dinitrophenol	184	8.464	8.464	1.006	51982	37.19	ng/uL	100
56)	Dibenzofuran	168	8.603	8.603	1.022	573941	39.63	ng/uL	100
57)	2,3,4,6-Tetrachlorophenol	232	8.710	8.710	1.035	121016	39.08	ng/uL	100
58)	Diethylphthalate	149	8.806	8.806	1.046	467755	40.11	ng/uL	100
59)	4-Nitrophenol	109	8.507	8.507	1.011	57813	38.57	ng/uL	100
60)	Fluorene	166	8.913	8.913	1.059	458455	40.04	ng/uL	100
61)	4-Chlorophenylphenylether	204	8.913	8.913	1.059	215341	39.37	ng/uL	100
62)	p-Nitroaniline	138	8.924	8.924	1.060	108953	38.59	ng/uL	100
65)	2-Methyl-4,6-dinitroph...	198	8.951	8.951	0.919	69229	37.37	ng/uL	100
66)	Diphenylamine	169	9.015	9.015	0.925	375545	38.85	ng/uL	100
67)	1,2-Diphenylhydrazine	77	9.052	9.052	0.929	447337	38.65	ng/uL	100
68)	4-Bromophenylphenylether	248	9.347	9.347	0.959	142942	39.39	ng/uL	100
69)	Hexachlorobenzene	284	9.400	9.400	0.965	176611	39.21	ng/uL	100
70)	Pentachlorophenol	266	9.566	9.566	0.982	103590	38.52	ng/uL	100
71)	n-Octadecane	57	9.619	9.619	0.987	267329	39.04	ng/uL	100
72)	Dinoseb	211	9.716	9.716	0.997	101669	37.34	ng/uL	100
73)	Phenanthrene	178	9.764	9.764	1.002	678344	39.49	ng/uL	100
74)	Anthracene	178	9.807	9.807	1.007	679711	39.65	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1205.D
Acq On : 12 Jun 2025 15:34
Operator : NM1
InstName : MSD2
Sample : |WBN250513-04.1|ICAL|1|SVM|1|M-4
Misc : |MIX[A]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 14:21:14 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

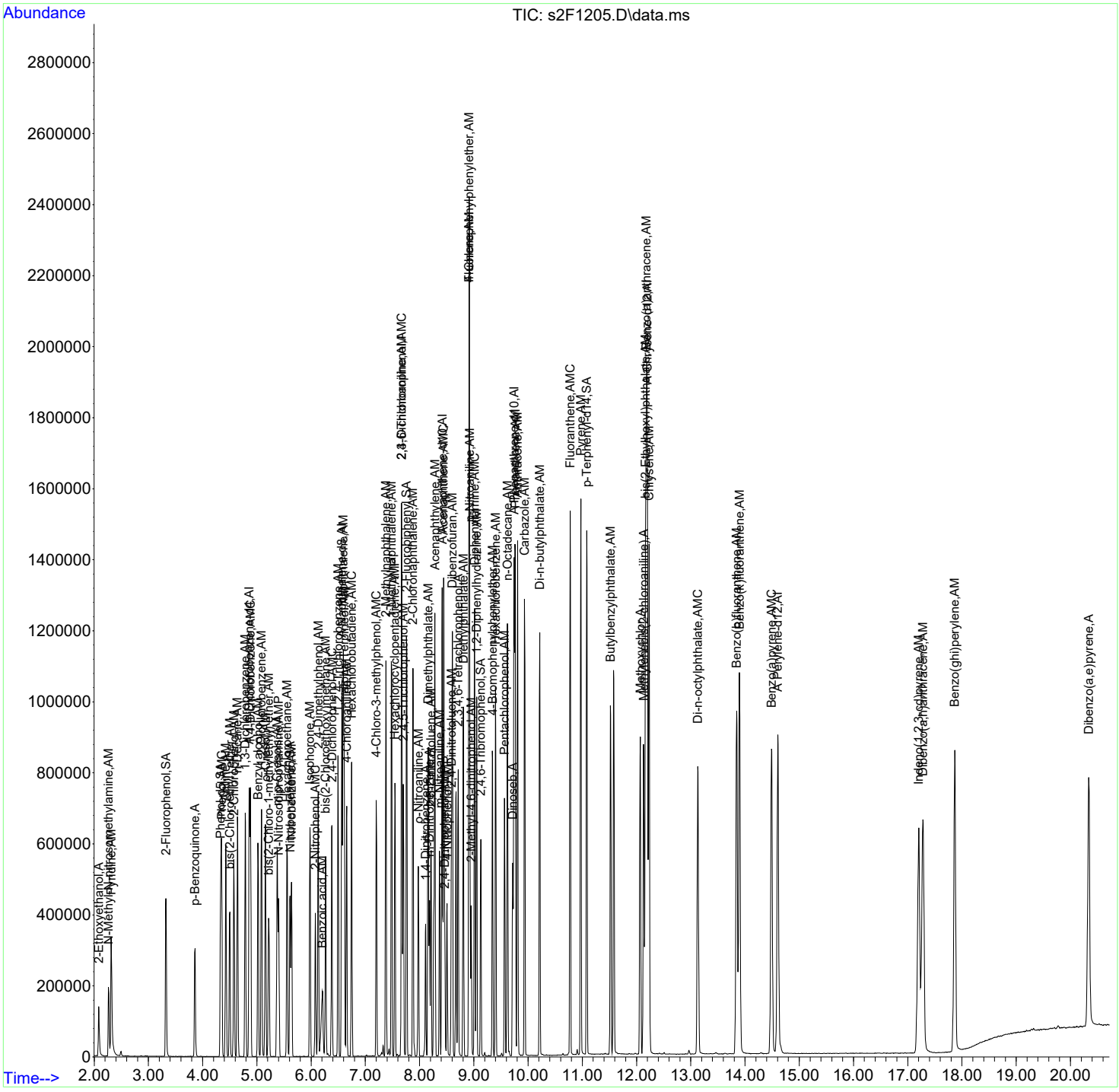
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75)	Carbazole	167	9.935	9.935	1.020	625777	39.93	ng/uL	100
76)	Di-n-butylphthalate	149	10.213	10.213	1.048	778159	39.98	ng/uL	100
77)	Fluoranthene	202	10.775	10.775	1.106	742115	39.99	ng/uL	100
78)	Pyrene	202	10.973	10.973	1.126	768985	39.53	ng/uL	100
81)	Butylbenzylphthalate	149	11.518	11.518	0.944	315514	37.45	ng/uL	100
82)	bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	518559	38.29	ng/uL	100
83)	Benzo(a)anthracene	228	12.181	12.181	0.999	788395	39.68	ng/uL	100
84)	Chrysene	228	12.230	12.230	1.003	721499	39.03	ng/uL	100
85)	Methoxychlor	227	12.069	12.069	0.989	475905	38.15	ng/uL	100
86)	Methylenebis(2-chloroa...	231	12.128	12.128	0.994	148319	38.00	ng/uL	100
87)	Di-n-octylphthalate	149	13.128	13.128	1.076	756616	37.07	ng/uL	100
89)	Benzo(b)fluoranthene	252	13.845	13.845	0.948	767901	40.43	ng/uL	100
90)	Benzo(k)fluoranthene	252	13.898	13.898	0.952	779475	39.66	ng/uL	100
91)	Benzo(a)pyrene	252	14.492	14.492	0.992	719895	40.10	ng/uL	100
92)	Indeno(1,2,3-cd)pyrene	276	17.204	17.204	1.178	740327	39.89	ng/uL	100
93)	Dibenzo(a,h)anthracene	278	17.279	17.279	1.183	728252	39.95	ng/uL	100
94)	Benzo(ghi)perylene	276	17.867	17.867	1.223	770799	39.86	ng/uL	100
95)	Dibenzo(a,e)pyrene	302	20.338	20.338	1.393	664348	39.16	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1205.D
Acq On : 12 Jun 2025 15:34
Operator : NM1
InstName : MSD2
Sample : |WBN250513-04.1|ICAL|1|SVM|1|M-4
Misc : |MIX[A]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 13 14:21:14 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1206.D
Acq On : 12 Jun 2025 15:59
Operator : NM1
InstName : MSD2
Sample : |WBN250513-05|ICAL|1|SVM|1|M-5
Misc : |MIX[A]
ALS Vial : 6 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:17 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	183123	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	669919	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	330631	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	664038	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.198	12.197	1.000	734362	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	748113	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.198	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.198	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.198	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.324	3.324	0.684	266381	49.49	ng/uL	0.00
8) Phenol-d5	99	4.335	4.330	0.892	327015	49.75	ng/uL	0.00
23) Nitrobenzene-d5	82	5.613	5.613	0.855	298758	50.21	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.758	7.758	0.922	661873	49.89	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.127	9.127	1.085	139615	50.50	ng/uL	0.00
79) p-Terphenyl-d14	244	11.080	11.080	1.137	875231	49.25	ng/uL	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.083	2.083	0.429	124584	49.44	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.265	2.265	0.466	165595	49.23	ng/uL	99
4) Pyridine	79	2.313	2.313	0.476	286730	49.85	ng/uL	100
6) p-Benzoquinone	108	3.859	3.859	0.794	139424	50.64	ng/uL	99
7) Aniline	93	4.431	4.426	0.912	426990	49.61	ng/uL	100
9) Phenol	94	4.351	4.351	0.895	341394	49.53	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.501	4.501	0.926	277278	49.54	ng/uL	100
11) 2-Chlorophenol	128	4.576	4.576	0.942	302103	49.49	ng/uL	99
12) n-Decane	43	4.640	4.640	0.955	261084	49.34	ng/uL	100
13) 1,3-Dichlorobenzene	146	4.790	4.784	0.986	340265	49.22	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.881	4.881	1.004	344605	49.17	ng/uL	99
15) 1,2-Dichlorobenzene	146	5.084	5.084	1.046	329301	49.17	ng/uL	100
16) bis(2-Chloro-1-methyle...	45	5.218	5.218	1.074	320618	49.17	ng/uL	100
17) Benzyl alcohol	108	5.020	5.020	1.033	184854	50.29	ng/uL	98
18) o-Cresol	107	5.159	5.159	1.062	233558	49.54	ng/uL	99
19) m,p-Cresols	108	5.378	5.373	1.107	269652	49.70	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1206.D
Acq On : 12 Jun 2025 15:59
Operator : NM1
InstName : MSD2
Sample : |WBN250513-05|ICAL|1|SVM|1|M-5
Misc : |MIX[A]
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 14:21:17 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	5.405	5.399	1.112	197852	49.76	ng/uL	99
21)	Hexachloroethane	117	5.554	5.554	1.143	134969	49.51	ng/uL	99
24)	Nitrobenzene	77	5.640	5.640	0.859	296099	50.16	ng/uL	99
25)	Isophorone	82	5.982	5.977	0.911	532324	50.16	ng/uL	100
26)	2-Nitrophenol	139	6.079	6.079	0.926	146724	50.38	ng/uL	99
27)	2,4-Dimethylphenol	122	6.132	6.132	0.934	252868	50.06	ng/uL	100
28)	bis(2-Chloroethoxy)met...	93	6.266	6.266	0.954	352229	49.85	ng/uL	99
29)	2,4-Dichlorophenol	162	6.384	6.384	0.972	253876	50.14	ng/uL	100
30)	Benzoic acid	105	6.223	6.207	0.948	168714	47.98	ng/uL	98
31)	1,2,4-Trichlorobenzene	180	6.496	6.496	0.989	286984	50.09	ng/uL	99
32)	alpha-Terpineol	59	6.608	6.608	1.007	226752	50.27	ng/uL	99
33)	Naphthalene	128	6.592	6.592	1.004	883821	50.16	ng/uL	100
34)	4-Chloroaniline	127	6.656	6.656	1.014	367941	49.84	ng/uL	99
35)	Hexachlorobutadiene	225	6.747	6.747	1.028	169187	49.61	ng/uL	99
36)	4-Chloro-3-methylphenol	107	7.202	7.202	1.097	240035	49.40	ng/uL	100
37)	2-Methylnaphthalene	142	7.378	7.378	1.124	529008	50.41	ng/uL	98
38)	1-Methylnaphthalene	142	7.480	7.480	1.139	551767	50.37	ng/uL	100
40)	Hexachlorocyclopentadiene	237	7.544	7.544	0.896	223230	50.23	ng/uL	100
41)	2,3-Dichloroaniline	161	7.667	7.667	0.911	318258	50.28	ng/uL	99
42)	2,4,6-Trichlorophenol	196	7.667	7.667	0.911	192860	50.66	ng/uL	98
43)	2,4,5-Trichlorophenol	196	7.699	7.699	0.915	199414	49.81	ng/uL	98
45)	2-Chloronaphthalene	162	7.876	7.876	0.936	559771	50.25	ng/uL	100
46)	o-Nitroaniline	65	7.977	7.977	0.948	147907	51.11	ng/uL	98
47)	1,4-Dinitrobenzene	168	8.111	8.111	0.964	81923	49.85	ng/uL	100
48)	m-Dinitrobenzene	168	8.181	8.181	0.972	94507	50.53	ng/uL	99
49)	m-Nitroaniline	138	8.368	8.368	0.994	158205	50.64	ng/uL	98
50)	Dimethylphthalate	163	8.159	8.159	0.969	645236	50.78	ng/uL	99
51)	2,6-Dinitrotoluene	165	8.213	8.213	0.976	138440	50.42	ng/uL	99
52)	2,4-Dinitrotoluene	165	8.587	8.587	1.020	189030	50.24	ng/uL	99
53)	Acenaphthylene	152	8.282	8.282	0.984	941312	51.41	ng/uL	100
54)	Acenaphthene	153	8.443	8.443	1.003	602834	50.42	ng/uL	100
55)	2,4-Dinitrophenol	184	8.464	8.464	1.006	79411	49.18	ng/uL	99
56)	Dibenzofuran	168	8.603	8.603	1.022	803525	49.60	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	8.710	8.710	1.035	173703	50.15	ng/uL	99
58)	Diethylphthalate	149	8.806	8.806	1.046	663413	50.86	ng/uL	100
59)	4-Nitrophenol	109	8.507	8.507	1.011	84185	50.22	ng/uL	99
60)	Fluorene	166	8.913	8.913	1.059	649953	50.75	ng/uL	100
61)	4-Chlorophenylphenylether	204	8.913	8.913	1.059	304002	49.69	ng/uL	99
62)	p-Nitroaniline	138	8.929	8.924	1.061	160320	50.77	ng/uL	100
65)	2-Methyl-4,6-dinitroph...	198	8.951	8.951	0.919	103573	50.23	ng/uL	98
66)	Diphenylamine	169	9.015	9.015	0.925	540152	50.20	ng/uL	99
67)	1,2-Diphenylhydrazine	77	9.053	9.052	0.929	646754	50.20	ng/uL	99
68)	4-Bromophenylphenylether	248	9.341	9.347	0.959	202391	50.11	ng/uL	100
69)	Hexachlorobenzene	284	9.400	9.400	0.965	248169	49.50	ng/uL	99
70)	Pentachlorophenol	266	9.566	9.566	0.982	151993	50.78	ng/uL	99
71)	n-Octadecane	57	9.619	9.619	0.987	382433	50.17	ng/uL	100
72)	Dinoseb	211	9.716	9.716	0.997	153826	50.75	ng/uL	98
73)	Phenanthrene	178	9.764	9.764	1.002	953268	49.86	ng/uL	100
74)	Anthracene	178	9.807	9.807	1.007	960111	50.31	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1206.D
Acq On : 12 Jun 2025 15:59
Operator : NM1
InstName : MSD2
Sample : |WBN250513-05|ICAL|1|SVM|1|M-5
Misc : |MIX[A]
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 14:21:17 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

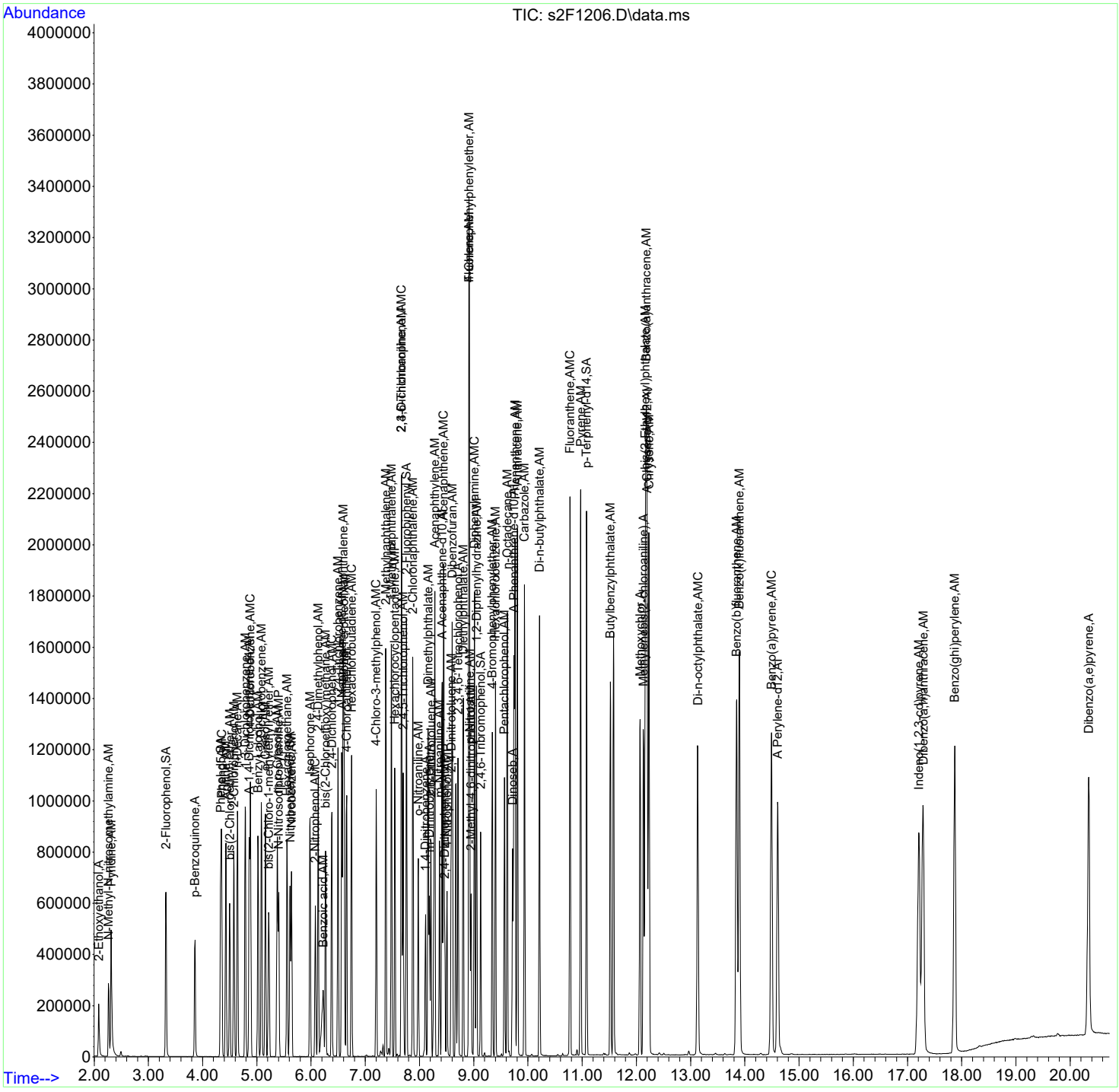
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	9.935	9.935	1.020	893682	51.23	ng/uL	100
76) Di-n-butylphthalate	149	10.213	10.213	1.048	1131521	52.23	ng/uL	100
77) Fluoranthene	202	10.775	10.775	1.106	1044750	50.57	ng/uL	99
78) Pyrene	202	10.973	10.973	1.126	1097566	50.68	ng/uL	99
81) Butylbenzylphthalate	149	11.518	11.518	0.944	468681	50.43	ng/uL	100
82) bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	755653	50.55	ng/uL	100
83) Benzo(a)anthracene	228	12.181	12.181	0.999	1109275	50.73	ng/uL	100
84) Chrysene	228	12.230	12.230	1.003	1030561	50.66	ng/uL	99
85) Methoxychlor	227	12.069	12.069	0.989	698735	50.91	ng/uL	100
86) Methylenebis(2-chloroa...	231	12.128	12.128	0.994	216051	50.30	ng/uL	100
87) Di-n-octylphthalate	149	13.134	13.128	1.077	1132705	50.27	ng/uL	100
89) Benzo(b)fluoranthene	252	13.850	13.845	0.948	1091741	51.40	ng/uL	100
90) Benzo(k)fluoranthene	252	13.898	13.898	0.952	1139859	51.86	ng/uL	99
91) Benzo(a)pyrene	252	14.492	14.492	0.992	1045546	52.07	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	17.209	17.204	1.178	1067844	51.45	ng/uL	100
93) Dibenzo(a,h)anthracene	278	17.289	17.279	1.184	1050206	51.51	ng/uL	99
94) Benzo(ghi)perylene	276	17.872	17.867	1.224	1115414	51.57	ng/uL	99
95) Dibenzo(a,e)pyrene	302	20.343	20.338	1.393	959406	50.57	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1206.D
Acq On : 12 Jun 2025 15:59
Operator : NM1
InstName : MSD2
Sample : |WBN250513-05|ICAL|1|SVM|1|M-5
Misc : |MIX[A]
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 13 14:21:17 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



LL
06/20/2025

JCB
06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1207.D
Acq On : 12 Jun 2025 16:24
Operator : NM1
InstName : MSD2
Sample : |WBN250513-06|ICAL|1|SVM|1|M-6
Misc : |MIX[A]
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 14:21:20 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	178005	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	659391	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	328654	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	657824	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.197	12.197	1.000	751779	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.610	14.604	1.000	759435	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.610	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.610	14.620	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.324	3.324	0.684	412730	78.88	ng/uL	0.00
8) Phenol-d5	99	4.335	4.330	0.892	513235	80.32	ng/uL	0.00
23) Nitrobenzene-d5	82	5.613	5.613	0.855	473799	80.90	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.758	7.758	0.922	1029971	78.11	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.133	9.127	1.085	219040	79.71	ng/uL	0.00
79) p-Terphenyl-d14	244	11.085	11.080	1.138	1416421	80.46	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.083	2.083	0.429	196703	80.30	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.265	2.265	0.466	260586	79.69	ng/uL	99
4) Pyridine	79	2.313	2.313	0.476	448856	80.28	ng/uL	99
6) p-Benzoquinone	108	3.859	3.859	0.794	218512	81.65	ng/uL	100
7) Aniline	93	4.431	4.426	0.912	662620	79.21	ng/uL	100
9) Phenol	94	4.351	4.351	0.895	531748	79.36	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.501	4.501	0.926	431086	79.24	ng/uL	100
11) 2-Chlorophenol	128	4.581	4.576	0.943	469899	79.19	ng/uL	99
12) n-Decane	43	4.645	4.640	0.956	403836	78.52	ng/uL	100
13) 1,3-Dichlorobenzene	146	4.789	4.784	0.986	529087	78.73	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.886	4.881	1.006	536405	78.73	ng/uL	99
15) 1,2-Dichlorobenzene	146	5.084	5.084	1.046	511796	78.62	ng/uL	100
16) bis(2-Chloro-1-methyle...	45	5.223	5.218	1.075	504952	79.67	ng/uL	99
17) Benzyl alcohol	108	5.025	5.020	1.034	287023	80.33	ng/uL	99
18) o-Cresol	107	5.159	5.159	1.062	365248	79.70	ng/uL	100
19) m,p-Cresols	108	5.383	5.373	1.108	424292	80.46	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1207.D
Acq On : 12 Jun 2025 16:24
Operator : NM1
InstName : MSD2
Sample : |WBN250513-06|ICAL|1|SVM|1|M-6
Misc : |MIX[A]
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 14:21:20 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	5.410	5.399	1.113	314227	81.31	ng/uL	100
21)	Hexachloroethane	117	5.554	5.554	1.143	209811	79.17	ng/uL	99
24)	Nitrobenzene	77	5.640	5.640	0.859	466486	80.29	ng/uL	99
25)	Isophorone	82	5.982	5.977	0.911	847261	81.10	ng/uL	99
26)	2-Nitrophenol	139	6.078	6.079	0.926	238308	83.13	ng/uL	99
27)	2,4-Dimethylphenol	122	6.132	6.132	0.934	393445	79.14	ng/uL	99
28)	bis(2-Chloroethoxy)met...	93	6.271	6.266	0.955	556283	79.99	ng/uL	96
29)	2,4-Dichlorophenol	162	6.383	6.384	0.972	399976	80.25	ng/uL	100
30)	Benzoic acid	105	6.250	6.207	0.952	290888	77.99	ng/uL	97
31)	1,2,4-Trichlorobenzene	180	6.496	6.496	0.989	443496	78.64	ng/uL	99
32)	alpha-Terpineol	59	6.613	6.608	1.007	355840	80.14	ng/uL	99
33)	Naphthalene	128	6.592	6.592	1.004	1380775	79.61	ng/uL	100
34)	4-Chloroaniline	127	6.656	6.656	1.014	578386	79.59	ng/uL	99
35)	Hexachlorobutadiene	225	6.747	6.747	1.028	264400	78.77	ng/uL	100
36)	4-Chloro-3-methylphenol	107	7.202	7.202	1.097	385743	80.65	ng/uL	99
37)	2-Methylnaphthalene	142	7.378	7.378	1.124	838629	81.20	ng/uL	100
38)	1-Methylnaphthalene	142	7.485	7.480	1.140	870288	80.71	ng/uL	100
40)	Hexachlorocyclopentadiene	237	7.544	7.544	0.896	355990	80.58	ng/uL	99
41)	2,3-Dichloroaniline	161	7.672	7.667	0.912	500281	79.50	ng/uL	99
42)	2,4,6-Trichlorophenol	196	7.667	7.667	0.911	306030	80.86	ng/uL	99
43)	2,4,5-Trichlorophenol	196	7.699	7.699	0.915	319835	80.37	ng/uL	100
45)	2-Chloronaphthalene	162	7.876	7.876	0.936	884753	79.90	ng/uL	100
46)	o-Nitroaniline	65	7.977	7.977	0.948	241316	83.89	ng/uL	98
47)	1,4-Dinitrobenzene	168	8.111	8.111	0.964	136216	83.39	ng/uL	97
48)	m-Dinitrobenzene	168	8.186	8.181	0.973	154105	82.90	ng/uL	94
49)	m-Nitroaniline	138	8.373	8.368	0.995	254533	81.96	ng/uL	99
50)	Dimethylphthalate	163	8.159	8.159	0.969	1030730	81.60	ng/uL	99
51)	2,6-Dinitrotoluene	165	8.213	8.213	0.976	220361	80.74	ng/uL	100
52)	2,4-Dinitrotoluene	165	8.587	8.587	1.020	307847	82.30	ng/uL	99
53)	Acenaphthylene	152	8.282	8.282	0.984	1478478	81.23	ng/uL	100
54)	Acenaphthene	153	8.448	8.443	1.004	953496	80.23	ng/uL	99
55)	2,4-Dinitrophenol	184	8.469	8.464	1.006	133405	80.05	ng/uL	100
56)	Dibenzofuran	168	8.603	8.603	1.022	1264017	78.49	ng/uL	98
57)	2,3,4,6-Tetrachlorophenol	232	8.710	8.710	1.035	272219	79.07	ng/uL	100
58)	Diethylphthalate	149	8.806	8.806	1.046	1069990	82.52	ng/uL	100
59)	4-Nitrophenol	109	8.507	8.507	1.011	139123	83.49	ng/uL	98
60)	Fluorene	166	8.919	8.913	1.060	1036557	81.42	ng/uL	100
61)	4-Chlorophenylphenylether	204	8.913	8.913	1.059	481654	79.20	ng/uL	98
62)	p-Nitroaniline	138	8.929	8.924	1.061	261569	83.33	ng/uL	99
65)	2-Methyl-4,6-dinitroph...	198	8.956	8.951	0.919	175662	85.99	ng/uL	98
66)	Diphenylamine	169	9.015	9.015	0.925	847332	79.49	ng/uL	99
67)	1,2-Diphenylhydrazine	77	9.052	9.052	0.929	1025365	80.34	ng/uL	99
68)	4-Bromophenylphenylether	248	9.346	9.347	0.959	319687	79.89	ng/uL	99
69)	Hexachlorobenzene	284	9.405	9.400	0.965	389901	78.50	ng/uL	99
70)	Pentachlorophenol	266	9.566	9.566	0.982	243555	82.14	ng/uL	99
71)	n-Octadecane	57	9.619	9.619	0.987	613605	81.25	ng/uL	99
72)	Dinoseb	211	9.716	9.716	0.997	262771	87.52	ng/uL	97
73)	Phenanthrene	178	9.764	9.764	1.002	1526091	80.57	ng/uL	100
74)	Anthracene	178	9.806	9.807	1.007	1556768	82.34	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1207.D
Acq On : 12 Jun 2025 16:24
Operator : NM1
InstName : MSD2
Sample : |WBN250513-06|ICAL|1|SVM|1|M-6
Misc : |MIX[A]
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 14:21:20 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

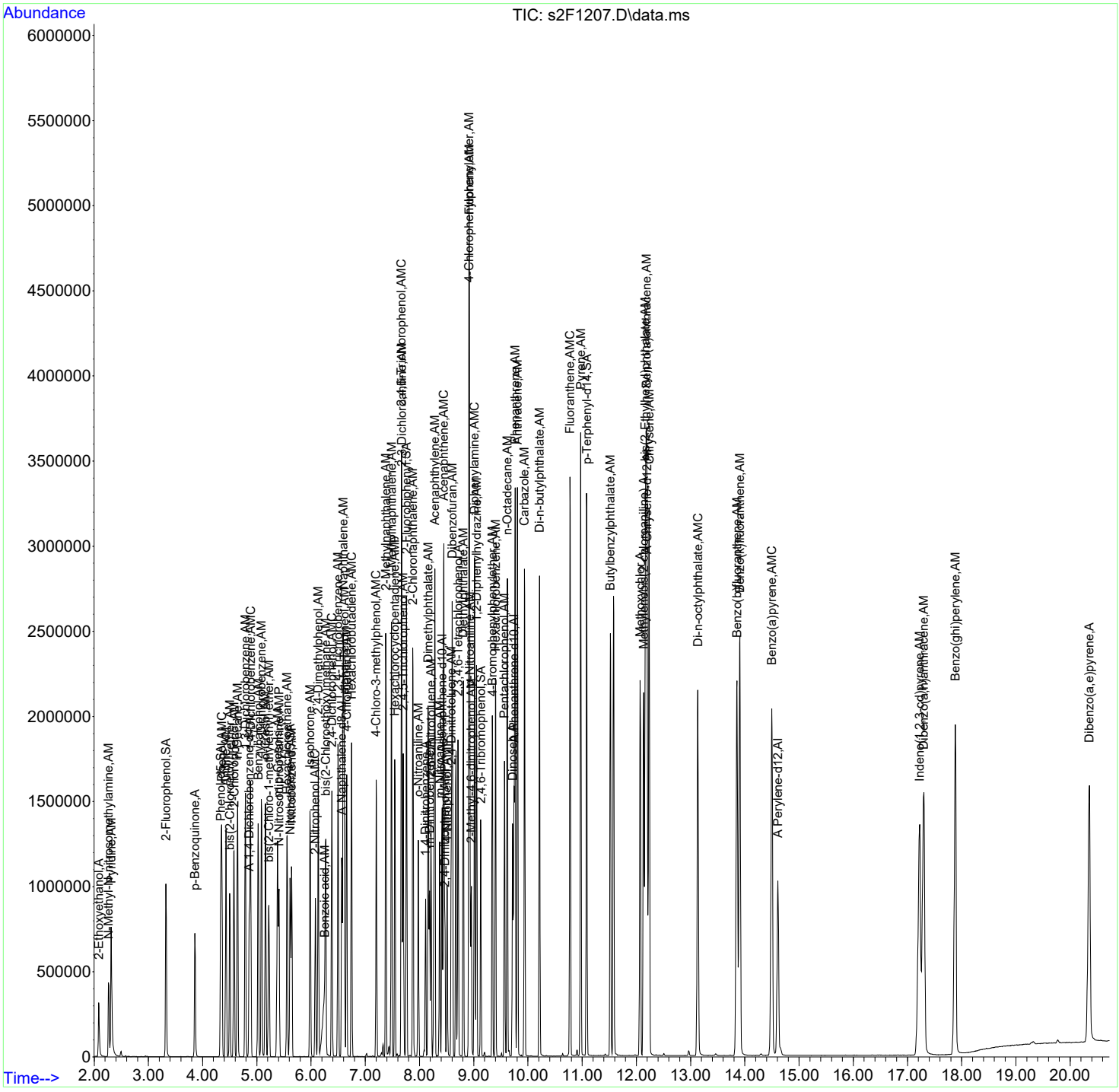
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	9.935	9.935	1.020	1432189	82.87	ng/uL	100
76) Di-n-butylphthalate	149	10.213	10.213	1.048	1840891	85.77	ng/uL	100
77) Fluoranthene	202	10.775	10.775	1.106	1684621	82.32	ng/uL	100
78) Pyrene	202	10.972	10.973	1.126	1758628	81.98	ng/uL	100
81) Butylbenzylphthalate	149	11.518	11.518	0.944	784242	82.20	ng/uL	100
82) bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	1267223	82.52	ng/uL	94
83) Benzo(a)anthracene	228	12.187	12.181	0.999	1776065	79.34	ng/uL	100
84) Chrysene	228	12.235	12.230	1.003	1649345	79.20	ng/uL	100
85) Methoxychlor	227	12.069	12.069	0.989	1159664	82.53	ng/uL	100
86) Methylenebis(2-chloroa...	231	12.133	12.128	0.995	361939	82.31	ng/uL	99
87) Di-n-octylphthalate	149	13.133	13.128	1.077	1945955	84.04	ng/uL	100
89) Benzo(b)fluoranthene	252	13.855	13.845	0.948	1775518	82.34	ng/uL	100
90) Benzo(k)fluoranthene	252	13.909	13.898	0.952	1853485	83.08	ng/uL	99
91) Benzo(a)pyrene	252	14.497	14.492	0.992	1708213	83.81	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	276	17.225	17.204	1.179	1771162	84.07	ng/uL	100
93) Dibenzo(a,h)anthracene	278	17.300	17.279	1.184	1723459	83.27	ng/uL	100
94) Benzo(ghi)perylene	276	17.883	17.867	1.224	1807947	82.35	ng/uL	100
95) Dibenzo(a,e)pyrene	302	20.354	20.338	1.393	1534061	79.65	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1207.D
Acq On : 12 Jun 2025 16:24
Operator : NM1
InstName : MSD2
Sample : |WBN250513-06|ICAL|1|SVM|1|M-6
Misc : |MIX[A]
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 13 14:21:20 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1208.D
Acq On : 12 Jun 2025 16:49
Operator : NM1
InstName : MSD2
Sample : |WBN250513-07|ICAL|1|SVM|1|M-7
Misc : |MIX[A]
ALS Vial : 8 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:23 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	210491	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	784103	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	385967	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	770165	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.203	12.197	1.000	876713	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.615	14.604	1.000	906532	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.203	12.192	1.000	0m	40.00	ng/uL	0.01
149) B Perylene-d12	264	14.615	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.203	12.192	1.000	0m	40.00	ng/uL	0.01
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.203	12.192	1.000	0m	40.00	ng/uL	0.01
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.615	14.620	1.000	0m	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.324	3.324	0.684	628744	101.62	ng/uL	0.00
8) Phenol-d5	99	4.340	4.330	0.893	771427	102.09	ng/uL	0.01
23) Nitrobenzene-d5	82	5.619	5.613	0.856	707739	101.62	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.763	7.758	0.922	1544372	99.73	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.133	9.127	1.085	325685	100.92	ng/uL	0.00
79) p-Terphenyl-d14	244	11.085	11.080	1.138	2065490	100.22	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.083	2.083	0.429	297660	102.76	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.270	2.265	0.467	394886	102.13	ng/uL	99
4) Pyridine	79	2.313	2.313	0.476	674286	101.98	ng/uL	99
6) p-Benzoquinone	108	3.859	3.859	0.794	330158	104.33	ng/uL	99
7) Aniline	93	4.437	4.426	0.913	988654	99.94	ng/uL	99
9) Phenol	94	4.356	4.351	0.897	802271	101.25	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.501	4.501	0.926	645019	100.27	ng/uL	99
11) 2-Chlorophenol	128	4.581	4.576	0.943	709681	101.14	ng/uL	99
12) n-Decane	43	4.645	4.640	0.956	614676	101.07	ng/uL	100
13) 1,3-Dichlorobenzene	146	4.790	4.784	0.986	796406	100.22	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.886	4.881	1.006	805217	99.95	ng/uL	99
15) 1,2-Dichlorobenzene	146	5.089	5.084	1.047	768429	99.82	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	5.223	5.218	1.075	755911	100.86	ng/uL	99
17) Benzyl alcohol	108	5.025	5.020	1.034	434133	102.75	ng/uL	99
18) o-Cresol	107	5.164	5.159	1.063	546675	100.88	ng/uL	100
19) m,p-Cresols	108	5.383	5.373	1.108	630964	101.18	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1208.D
Acq On : 12 Jun 2025 16:49
Operator : NM1
InstName : MSD2
Sample : |WBN250513-07|ICAL|1|SVM|1|M-7
Misc : |MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 14:21:23 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	5.415	5.399	1.114	470222	102.89	ng/uL	100
21)	Hexachloroethane	117	5.560	5.554	1.144	314218	100.27	ng/uL	99
24)	Nitrobenzene	77	5.645	5.640	0.860	701422	101.53	ng/uL	99
25)	Isophorone	82	5.988	5.977	0.912	1273365	102.51	ng/uL	99
26)	2-Nitrophenol	139	6.084	6.079	0.927	359180	105.37	ng/uL	100
27)	2,4-Dimethylphenol	122	6.132	6.132	0.934	590720	99.92	ng/uL	99
28)	bis(2-Chloroethoxy)met...	93	6.271	6.266	0.955	816329	98.71	ng/uL	96
29)	2,4-Dichlorophenol	162	6.383	6.384	0.972	592884	100.04	ng/uL	99
30)	Benzoic acid	105	6.271	6.207	0.955	481346	105.38	ng/uL	98
31)	1,2,4-Trichlorobenzene	180	6.501	6.496	0.990	659356	98.33	ng/uL	100
32)	alpha-Terpineol	59	6.613	6.608	1.007	540617	102.39	ng/uL	99
33)	Naphthalene	128	6.592	6.592	1.004	2049546	99.37	ng/uL	100
34)	4-Chloroaniline	127	6.656	6.656	1.014	860458	99.58	ng/uL	99
35)	Hexachlorobutadiene	225	6.747	6.747	1.028	392076	98.23	ng/uL	99
36)	4-Chloro-3-methylphenol	107	7.207	7.202	1.098	580959	102.14	ng/uL	98
37)	2-Methylnaphthalene	142	7.378	7.378	1.124	1248621	101.66	ng/uL	100
38)	1-Methylnaphthalene	142	7.485	7.480	1.140	1284708	100.20	ng/uL	100
40)	Hexachlorocyclopentadiene	237	7.544	7.544	0.896	524708	101.13	ng/uL	100
41)	2,3-Dichloroaniline	161	7.672	7.667	0.912	740291	100.18	ng/uL	99
42)	2,4,6-Trichlorophenol	196	7.667	7.667	0.911	451761	101.65	ng/uL	99
43)	2,4,5-Trichlorophenol	196	7.699	7.699	0.915	479732	102.64	ng/uL	99
45)	2-Chloronaphthalene	162	7.881	7.876	0.936	1308485	100.62	ng/uL	99
46)	o-Nitroaniline	65	7.977	7.977	0.948	364331	107.85	ng/uL	99
47)	1,4-Dinitrobenzene	168	8.116	8.111	0.964	210353	109.66	ng/uL	96
48)	m-Dinitrobenzene	168	8.186	8.181	0.973	232852	106.66	ng/uL	97
49)	m-Nitroaniline	138	8.373	8.368	0.995	378786	103.86	ng/uL	99
50)	Dimethylphthalate	163	8.165	8.159	0.970	1514399	102.09	ng/uL	99
51)	2,6-Dinitrotoluene	165	8.218	8.213	0.976	327014	102.02	ng/uL	98
52)	2,4-Dinitrotoluene	165	8.592	8.587	1.021	461410	105.04	ng/uL	100
53)	Acenaphthylene	152	8.282	8.282	0.984	2205274	103.17	ng/uL	100
54)	Acenaphthene	153	8.448	8.443	1.004	1413180	101.26	ng/uL	99
55)	2,4-Dinitrophenol	184	8.469	8.464	1.006	203774	102.79	ng/uL	98
56)	Dibenzofuran	168	8.608	8.603	1.023	1870187	98.89	ng/uL	98
57)	2,3,4,6-Tetrachlorophenol	232	8.710	8.710	1.035	411192	101.70	ng/uL	99
58)	Diethylphthalate	149	8.812	8.806	1.047	1575016	103.43	ng/uL	100
59)	4-Nitrophenol	109	8.512	8.507	1.011	208209	106.39	ng/uL	99
60)	Fluorene	166	8.919	8.913	1.060	1520355	101.69	ng/uL	100
61)	4-Chlorophenylphenylether	204	8.913	8.913	1.059	703188	98.45	ng/uL	97
62)	p-Nitroaniline	138	8.935	8.924	1.062	390936	106.04	ng/uL	99
65)	2-Methyl-4,6-dinitroph...	198	8.956	8.951	0.919	265535	111.03	ng/uL	97
66)	Diphenylamine	169	9.015	9.015	0.925	1264838	101.35	ng/uL	99
67)	1,2-Diphenylhydrazine	77	9.052	9.052	0.929	1522994	101.92	ng/uL	99
68)	4-Bromophenylphenylether	248	9.347	9.347	0.959	464566	99.17	ng/uL	98
69)	Hexachlorobenzene	284	9.405	9.400	0.965	575238	98.92	ng/uL	100
70)	Pentachlorophenol	266	9.571	9.566	0.982	370453	106.71	ng/uL	99
71)	n-Octadecane	57	9.619	9.619	0.987	923127	104.40	ng/uL	99
72)	Dinoseb	211	9.721	9.716	0.998	400763	114.00	ng/uL	98
73)	Phenanthrene	178	9.764	9.764	1.002	2235614	100.82	ng/uL	100
74)	Anthracene	178	9.807	9.807	1.007	2259366	102.07	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1208.D
Acq On : 12 Jun 2025 16:49
Operator : NM1
InstName : MSD2
Sample : |WBN250513-07|ICAL|1|SVM|1|M-7
Misc : |MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 14:21:23 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

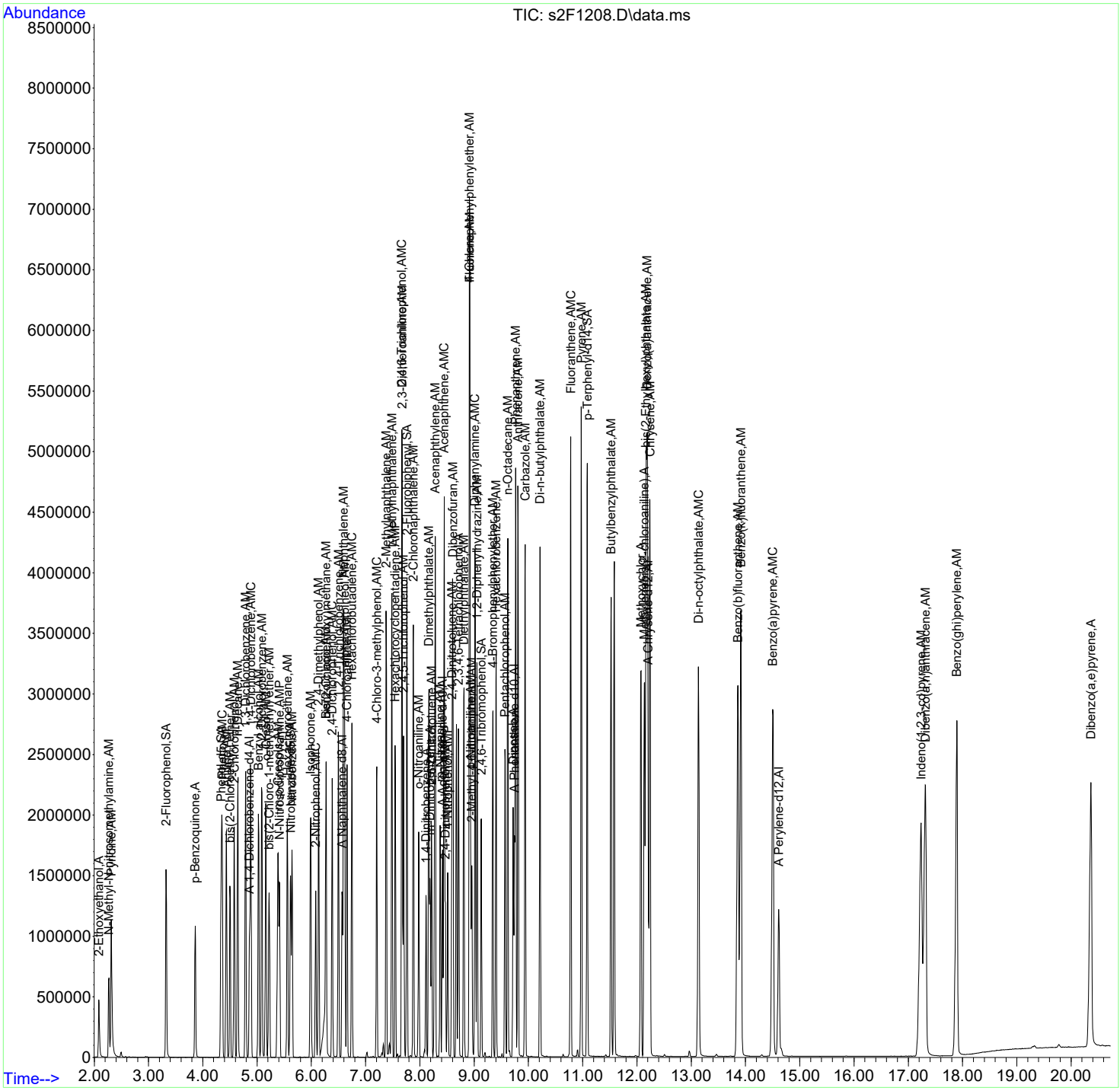
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75)	Carbazole	167	9.940	9.935	1.020	2103027	103.94	ng/uL	100
76)	Di-n-butylphthalate	149	10.213	10.213	1.048	2717007	108.13	ng/uL	100
77)	Fluoranthene	202	10.780	10.775	1.107	2504592	104.54	ng/uL	99
78)	Pyrene	202	10.973	10.973	1.126	2619759	104.31	ng/uL	100
81)	Butylbenzylphthalate	149	11.524	11.518	0.944	1209684	108.61	ng/uL	100
82)	bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	1900426	105.99	ng/uL	93
83)	Benzo(a)anthracene	228	12.187	12.181	0.999	2625189	100.56	ng/uL	99
84)	Chrysene	228	12.240	12.230	1.003	2403923	98.98	ng/uL	100
85)	Methoxychlor	227	12.074	12.069	0.989	1739629	106.16	ng/uL	100
86)	Methylenebis(2-chloroa...	231	12.139	12.128	0.995	547572	106.78	ng/uL	99
87)	Di-n-octylphthalate	149	13.133	13.128	1.076	3003293	111.07	ng/uL	100
89)	Benzo(b)fluoranthene	252	13.861	13.845	0.948	2632409	102.27	ng/uL	100
90)	Benzo(k)fluoranthene	252	13.914	13.898	0.952	2746113	103.11	ng/uL	100
91)	Benzo(a)pyrene	252	14.503	14.492	0.992	2548616	104.75	ng/uL	100
92)	Indeno(1,2,3-cd)pyrene	276	17.236	17.204	1.179	2708548	107.70	ng/uL	99
93)	Dibenzo(a,h)anthracene	278	17.316	17.279	1.185	2553800	103.37	ng/uL	99
94)	Benzo(ghi)perylene	276	17.894	17.867	1.224	2701105	103.06	ng/uL	100
95)	Dibenzo(a,e)pyrene	302	20.365	20.338	1.393	2301128	100.09	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1208.D
Acq On : 12 Jun 2025 16:49
Operator : NM1
InstName : MSD2
Sample : |WBN250513-07|ICAL|1|SVM|1|M-7
Misc : |MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 13 14:21:23 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1209.D
Acq On : 12 Jun 2025 17:15
Operator : NM1
InstName : MSD2
Sample : |WBN250513-08|ICAL|1|SVM|1|M-8
Misc : |MIX[A]
ALS Vial : 9 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:26 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
Internal Standards								Dev(Min)	
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	169566	40.00	ng/uL	# 0.00	
22) A Naphthalene-d8	136	6.565	6.565	1.000	622998	40.00	ng/uL	0.00	
39) A Acenaphthene-d10	164	8.416	8.416	1.000	310640	40.00	ng/uL	0.00	
64) A Phenanthrene-d10	188	9.742	9.742	1.000	619732	40.00	ng/uL	0.00	
80) A Chrysene-d12	240	12.203	12.197	1.000	689965	40.00	ng/uL	0.00	
88) A Perylene-d12	264	14.610	14.604	1.000	714559	40.00	ng/uL	0.00	
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00	
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00	
120) B Acenaphthene-d10	164	8.416	8.411	1.000	0m	40.00	ng/uL	0.00	
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00	
143) B Chrysene-d12	240	12.203	12.192	1.000	0m	40.00	ng/uL	0.01	
149) B Perylene-d12	264	14.610	14.610	1.000	0m	40.00	ng/uL	0.00	
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00	
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00	
157) J Chrysene-d12	240	12.203	12.192	1.000	0m	40.00	ng/uL	0.01	
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00	
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00	
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00	
171) D Chrysene-d12	240	12.203	12.192	1.000	0m	40.00	ng/uL	0.01	
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00	
175) E Perylene-d12	264	14.610	14.620	1.000	0m	40.00	ng/uL	-0.01	
System Monitoring Compounds								Dev(Min)	
5) 2-Fluorophenol	112	3.324	3.324	0.684	610412	122.47	ng/uL	0.00	A
8) Phenol-d5	99	4.340	4.330	0.893	742954	122.06	ng/uL	0.01	A
23) Nitrobenzene-d5	82	5.619	5.613	0.856	689409	124.59	ng/uL	0.00	A
44) 2-Fluorobiphenyl	172	7.763	7.758	0.922	1467137	117.71	ng/uL	0.00	
63) 2,4,6-Tribromophenol	330	9.133	9.127	1.085	309972	119.34	ng/uL	0.00	
79) p-Terphenyl-d14	244	11.085	11.080	1.138	1958254	118.08	ng/uL	0.00	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue	
2) 2-Ethoxyethanol	59	2.083	2.083	0.429	290192	124.37	ng/uL	100	A
3) N-Methyl-N-nitrosometh...	74	2.270	2.265	0.467	379522	121.84	ng/uL	98	A
4) Pyridine	79	2.313	2.313	0.476	652616	122.53	ng/uL	99	A
6) p-Benzoquinone	108	3.859	3.859	0.794	312881	122.73	ng/uL	99	A
7) Aniline	93	4.437	4.426	0.913	953431	119.64	ng/uL	99	
9) Phenol	94	4.356	4.351	0.897	777578	121.82	ng/uL	100	A
10) bis(2-Chloroethyl) ether	93	4.501	4.501	0.926	615991	118.86	ng/uL	99	
11) 2-Chlorophenol	128	4.581	4.576	0.943	685251	121.23	ng/uL	99	A
12) n-Decane	43	4.645	4.640	0.956	590017	120.43	ng/uL	99	A
13) 1,3-Dichlorobenzene	146	4.790	4.784	0.986	771565	120.52	ng/uL	99	A
14) 1,4-Dichlorobenzene	146	4.886	4.881	1.006	773008	119.11	ng/uL	100	
15) 1,2-Dichlorobenzene	146	5.089	5.084	1.047	739223	119.21	ng/uL	100	
16) bis(2-Chloro-1-methyle...	45	5.223	5.218	1.075	730996	121.08	ng/uL	99	A
17) Benzyl alcohol	108	5.025	5.020	1.034	420863	123.65	ng/uL	100	A
18) o-Cresol	107	5.164	5.159	1.063	532138	121.90	ng/uL	99	A
19) m,p-Cresols	108	5.383	5.373	1.108	606340	120.70	ng/uL	98	A

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1209.D
Acq On : 12 Jun 2025 17:15
Operator : NM1
InstName : MSD2
Sample : |WBN250513-08|ICAL|1|SVM|1|M-8
Misc : |MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 14:21:26 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
20)	N-Nitrosodipropylamine	70	5.410	5.399	1.113	454598	123.48	ng/uL	100	A
21)	Hexachloroethane	117	5.560	5.554	1.144	304273	120.53	ng/uL	98	A
24)	Nitrobenzene	77	5.645	5.640	0.860	680810	124.03	ng/uL	99	A
25)	Isophorone	82	5.988	5.977	0.912	1229460	124.57	ng/uL	99	A
26)	2-Nitrophenol	139	6.084	6.079	0.927	349686	129.11	ng/uL	100	A
27)	2,4-Dimethylphenol	122	6.132	6.132	0.934	574229	122.25	ng/uL	100	A
28)	bis(2-Chloroethoxy)met...	93	6.271	6.266	0.955	792274	120.58	ng/uL	96	A
29)	2,4-Dichlorophenol	162	6.383	6.384	0.972	575259	122.16	ng/uL	100	A
30)	Benzoic acid	105	6.271	6.207	0.955	458131	124.64	ng/uL	98	A
31)	1,2,4-Trichlorobenzene	180	6.496	6.496	0.989	638047	119.75	ng/uL	99	
32)	alpha-Terpineol	59	6.613	6.608	1.007	518411	123.58	ng/uL	99	A
33)	Naphthalene	128	6.592	6.592	1.004	1972153	120.35	ng/uL	100	A
34)	4-Chloroaniline	127	6.656	6.656	1.014	827831	120.57	ng/uL	99	A
35)	Hexachlorobutadiene	225	6.747	6.747	1.028	377708	119.10	ng/uL	99	
36)	4-Chloro-3-methylphenol	107	7.207	7.202	1.098	564407	124.90	ng/uL	98	A
37)	2-Methylnaphthalene	142	7.378	7.378	1.124	1193487	122.30	ng/uL	100	A
38)	1-Methylnaphthalene	142	7.485	7.480	1.140	1250342	122.73	ng/uL	99	A
40)	Hexachlorocyclopentadiene	237	7.544	7.544	0.896	497690	119.19	ng/uL	100	
41)	2,3-Dichloroaniline	161	7.672	7.667	0.912	709556	119.30	ng/uL	99	
42)	2,4,6-Trichlorophenol	196	7.667	7.667	0.911	440460	123.13	ng/uL	99	A
43)	2,4,5-Trichlorophenol	196	7.699	7.699	0.915	460621	122.45	ng/uL	100	A
45)	2-Chloronaphthalene	162	7.881	7.876	0.936	1270188	121.36	ng/uL	99	A
46)	o-Nitroaniline	65	7.977	7.977	0.948	349610	128.58	ng/uL	98	A
47)	1,4-Dinitrobenzene	168	8.111	8.111	0.964	201963	130.81	ng/uL	95	A
48)	m-Dinitrobenzene	168	8.186	8.181	0.973	224391	127.70	ng/uL	97	A
49)	m-Nitroaniline	138	8.373	8.368	0.995	362475	123.49	ng/uL	99	A
50)	Dimethylphthalate	163	8.165	8.159	0.970	1455303	121.89	ng/uL	99	A
51)	2,6-Dinitrotoluene	165	8.218	8.213	0.976	320589	124.27	ng/uL	99	A
52)	2,4-Dinitrotoluene	165	8.592	8.587	1.021	439988	124.45	ng/uL	99	A
53)	Acenaphthylene	152	8.282	8.282	0.984	2110135	122.66	ng/uL	100	A
54)	Acenaphthene	153	8.448	8.443	1.004	1350649	120.25	ng/uL	99	A
55)	2,4-Dinitrophenol	184	8.469	8.464	1.006	198010	123.19	ng/uL	99	A
56)	Dibenzofuran	168	8.608	8.603	1.023	1807527	118.75	ng/uL	98	
57)	2,3,4,6-Tetrachlorophenol	232	8.710	8.710	1.035	387103	118.95	ng/uL	100	
58)	Diethylphthalate	149	8.812	8.806	1.047	1510371	123.24	ng/uL	100	A
59)	4-Nitrophenol	109	8.512	8.507	1.011	200415	127.24	ng/uL	98	A
60)	Fluorene	166	8.919	8.913	1.060	1450892	120.58	ng/uL	99	A
61)	4-Chlorophenylphenylether	204	8.913	8.913	1.059	676970	117.77	ng/uL	98	
62)	p-Nitroaniline	138	8.935	8.924	1.062	373058	125.73	ng/uL	99	A
65)	2-Methyl-4,6-dinitroph...	198	8.956	8.951	0.919	254755	132.38	ng/uL	96	A
66)	Diphenylamine	169	9.015	9.015	0.925	1203662	119.86	ng/uL	99	
67)	1,2-Diphenylhydrazine	77	9.052	9.052	0.929	1474989	122.67	ng/uL	99	A
68)	4-Bromophenylphenylether	248	9.347	9.347	0.959	446742	118.51	ng/uL	98	
69)	Hexachlorobenzene	284	9.405	9.400	0.965	549679	117.47	ng/uL	99	
70)	Pentachlorophenol	266	9.571	9.566	0.982	350478	125.46	ng/uL	99	A
71)	n-Octadecane	57	9.619	9.619	0.987	887567	124.75	ng/uL	100	A
72)	Dinoseb	211	9.721	9.716	0.998	382227	135.13	ng/uL	97	A
73)	Phenanthrene	178	9.764	9.764	1.002	2113293	118.43	ng/uL	100	
74)	Anthracene	178	9.807	9.807	1.007	2192577	123.10	ng/uL	99	A

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1209.D
Acq On : 12 Jun 2025 17:15
Operator : NM1
InstName : MSD2
Sample : |WBN250513-08|ICAL|1|SVM|1|M-8
Misc : |MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 14:21:26 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

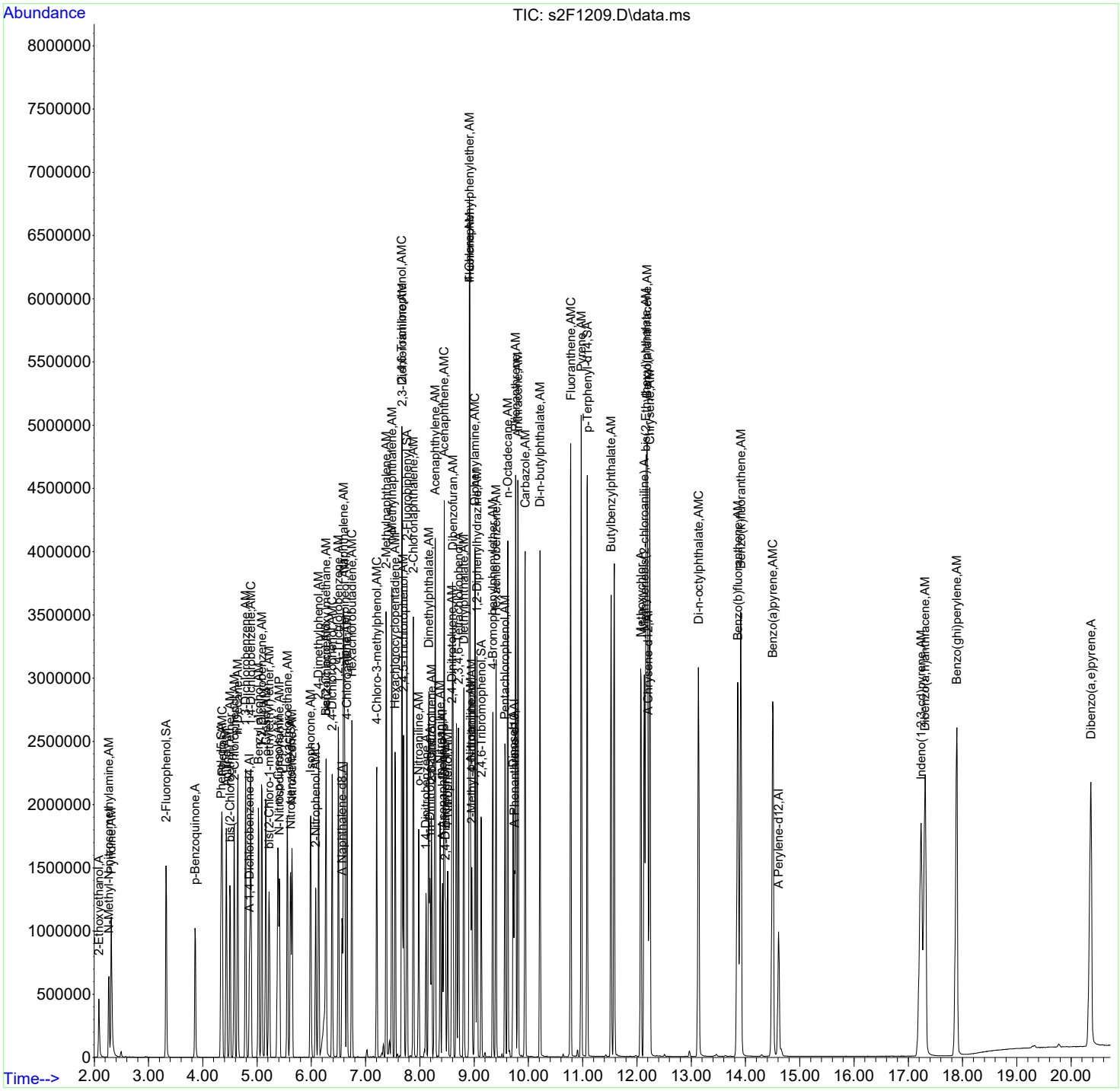
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
75)	Carbazole	167	9.940	9.935	1.020	2022383	124.21	ng/uL	100	A
76)	Di-n-butylphthalate	149	10.213	10.213	1.048	2596418	128.41	ng/uL	100	A
77)	Fluoranthene	202	10.780	10.775	1.107	2398758	124.42	ng/uL	99	A
78)	Pyrene	202	10.973	10.973	1.126	2475350	122.48	ng/uL	100	A
81)	Butylbenzylphthalate	149	11.524	11.518	0.944	1154046	131.58	ng/uL	99	A
82)	bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	1796373	127.21	ng/uL	94	A
83)	Benzo(a)anthracene	228	12.187	12.181	0.999	2509374	122.14	ng/uL	99	A
84)	Chrysene	228	12.235	12.230	1.003	2270472	118.79	ng/uL	100	
85)	Methoxychlor	227	12.074	12.069	0.989	1669046	129.42	ng/uL	100	A
86)	Methylenebis(2-chloroa...	231	12.133	12.128	0.994	515945	127.84	ng/uL	99	A
87)	Di-n-octylphthalate	149	13.133	13.128	1.076	2856644	134.15	ng/uL	100	A
89)	Benzo(b)fluoranthene	252	13.861	13.845	0.949	2527513	124.58	ng/uL	100	A
90)	Benzo(k)fluoranthene	252	13.914	13.898	0.952	2603633	124.03	ng/uL	100	A
91)	Benzo(a)pyrene	252	14.503	14.492	0.993	2440655	127.26	ng/uL	100	A
92)	Indeno(1,2,3-cd)pyrene	276	17.236	17.204	1.180	2589729	130.64	ng/uL	99	A
93)	Dibenzo(a,h)anthracene	278	17.311	17.279	1.185	2458945	126.27	ng/uL	100	A
94)	Benzo(ghi)perylene	276	17.894	17.867	1.225	2581672	124.97	ng/uL	100	A
95)	Dibenzo(a,e)pyrene	302	20.365	20.338	1.394	2215212	122.24	ng/uL	99	A

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1209.D
Acq On : 12 Jun 2025 17:15
Operator : NM1
InstName : MSD2
Sample : |WBN250513-08|ICAL|1|SVM|1|M-8
Misc : |MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 13 14:21:26 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSD2.I **Injection Date:** 12-JUN-25 17:40

Data File: s061225_ICAL.s\s2F1210.D **Init. Cal. Date(s)** 12-JUN-25 14:19 - 13-JUN-25 02:18

Lab Sample ID WBN250224-04.12 **Method:** s061225_ICAL.s\MSD2_8270_061225.m

Quant Type ISTD **Method Update:** 13-JUN-25 14:20

	Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
S	2-Fluorophenol	1.1757	1.23198		.01		4.78694	30		Averaged
S	Phenol-d5	1.4359	1.51083		.01		5.21833	30		Averaged
S	Nitrobenzene-d5	0.3553	0.36215		.01		1.92795	30		Averaged
S	2-Fluorobiphenyl	1.6049	1.64114		.01		2.25808	30		Averaged
S	2,4,6-Tribromophenol	0.3345	0.33883		.01		1.29447	30		Averaged
S	p-Terphenyl-d14	1.0704	1.05551		.01		-1.39107	30		Averaged
	Phenol	1.5057	1.50982		.8		0.27363	30		Averaged
	1,4-Dichlorobenzene	1.5309	1.54278		.01		0.77601	30		Averaged
	N-Nitrosodipropylamine	0.8684	0.84802		.5		-2.34684	30		Averaged
	2-Nitrophenol	0.1739	0.17727		.1		1.9379	30		Averaged
	2,4-Dichlorophenol	0.3023	0.30459		.2		0.75753	30		Averaged
	Hexachlorobutadiene	0.2036	0.2056		.01		0.98232	30		Averaged
	4-Chloro-3-methylphenol	0.2901	0.29045		.2		0.12065	30		Averaged
	Hexachlorocyclopentadiene	0.5377	0.56642		.05		5.34127	30		Averaged
	2,4,6-Trichlorophenol	0.4606	0.46608		.2		1.18975	30		Averaged
	Dimethylphthalate	1.5374	1.51328		.01		-1.56888	30		Averaged
	Acenaphthene	1.4464	1.44248		.9		-0.27102	30		Averaged
	2,4-Dinitrophenol	40	41.15	40			2.875	30		Linear
	4-Nitrophenol	0.2028	0.21699		.05		6.99704	30		Averaged
	Diphenylamine	0.6482	0.66141		.01		2.03795	30		Averaged
	Pentachlorophenol	0.1803	0.17475		.05		-3.0782	30		Averaged
	Fluoranthene	1.2444	1.29899		.6		4.38685	30		Averaged
	Di-n-octylphthalate	40	40.47	40			1.175	30		Linear
	Benzo(a)pyrene	1.0735	1.09936		.7		2.40894	30		Averaged

Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1210.D
Acq On : 12 Jun 2025 17:40
Operator : NM1
InstName : MSD2
Sample : |WBN250224-04.12|ICV|1|SVM|1|M-ICV
Misc : |MIX[A]
ALS Vial : 10 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 20 14:46:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	187232	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	697190	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	344950	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	700841	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.197	12.197	1.000	756641	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	788508	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	187232	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	697190	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	344950	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	700841	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.197	12.192	1.000	756641	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	790196	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	697190	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	700841	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.197	12.192	1.000	756641	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	697190	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	344950	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	700841	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.197	12.192	1.000	756641	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	697190	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	790196	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.324	3.324	0.684	230667	41.91	ng/uL	0.00
8) Phenol-d5	99	4.330	4.330	0.891	282875	42.09	ng/uL	0.00
23) Nitrobenzene-d5	82	5.613	5.613	0.855	252486	40.77	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.758	7.758	0.922	566112	40.90	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.127	9.127	1.085	116878	40.52	ng/uL	0.00
79) p-Terphenyl-d14	244	11.080	11.080	1.137	739747	39.44	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.083	2.083	0.429	119396	46.34	ng/uL	100
3) N-Methyl-N-nitrosometh...	74	2.265	2.265	0.466	134272	39.04	ng/uL	99
4) Pyridine	79	2.313	2.313	0.476	246702	41.95	ng/uL	99
6) p-Benzoquinone	108	3.859	3.859	0.794	80366	28.55	ng/uL	99
7) Aniline	93	4.426	4.426	0.911	370829	42.14	ng/uL	99
9) Phenol	94	4.351	4.351	0.895	282686	40.11	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.501	4.501	0.926	229126	40.04	ng/uL	100
11) 2-Chlorophenol	128	4.576	4.576	0.942	250692	40.17	ng/uL	99
12) n-Decane	43	4.640	4.640	0.955	226496	41.87	ng/uL	100
13) 1,3-Dichlorobenzene	146	4.784	4.784	0.985	283097	40.05	ng/uL	99
14) 1,4-Dichlorobenzene	146	4.881	4.881	1.004	288858	40.31	ng/uL	99
15) 1,2-Dichlorobenzene	146	5.084	5.084	1.046	273091	39.88	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	5.218	5.218	1.074	233807	35.07	ng/uL	92
17) Benzyl alcohol	108	5.020	5.020	1.033	156528	41.65	ng/uL	99
18) o-Cresol	107	5.159	5.159	1.062	192559	39.95	ng/uL	100
19) m,p-Cresols	108	5.373	5.373	1.106	223235	40.24	ng/uL	89

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1210.D
Acq On : 12 Jun 2025 17:40
Operator : NM1
InstName : MSD2
Sample : |WBN250224-04.12|ICV|1|SVM|1|M-ICV
Misc : |MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 14:46:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	5.399	5.399	1.111	158776	39.06	ng/uL	98
21)	Hexachloroethane	117	5.554	5.554	1.143	113793	40.82	ng/uL	99
24)	Nitrobenzene	77	5.640	5.640	0.859	249233	40.57	ng/uL	99
25)	Isophorone	82	5.977	5.977	0.910	392118	35.50	ng/uL	99
26)	2-Nitrophenol	139	6.079	6.079	0.926	123593	40.78	ng/uL	100
27)	2,4-Dimethylphenol	122	6.132	6.132	0.934	211954	40.32	ng/uL	99
28)	bis(2-Chloroethoxy)met...	93	6.266	6.266	0.954	297265	40.43	ng/uL	98
29)	2,4-Dichlorophenol	162	6.383	6.384	0.972	212355	40.30	ng/uL	100
30)	Benzoic acid	105	6.218	6.207	0.947	145466	41.13	ng/uL	98
31)	1,2,4-Trichlorobenzene	180	6.496	6.496	0.989	243510	40.84	ng/uL	100
32)	alpha-Terpineol	59	6.608	6.608	1.007	175049	37.29	ng/uL	99
33)	Naphthalene	128	6.592	6.592	1.004	733620	40.00	ng/uL	100
34)	4-Chloroaniline	127	6.656	6.656	1.014	295948	38.52	ng/uL	100
35)	Hexachlorobutadiene	225	6.747	6.747	1.028	143342	40.39	ng/uL	100
36)	4-Chloro-3-methylphenol	107	7.202	7.202	1.097	202497	40.04	ng/uL	98
37)	2-Methylnaphthalene	142	7.378	7.378	1.124	482628	44.19	ng/uL	100
38)	1-Methylnaphthalene	142	7.480	7.480	1.139	464426	40.74	ng/uL	99
40)	Hexachlorocyclopentadiene	237	7.544	7.544	0.896	195385	42.14	ng/uL	98
41)	2,3-Dichloroaniline	161	7.667	7.667	0.911	275365	41.69	ng/uL	99
42)	2,4,6-Trichlorophenol	196	7.667	7.667	0.911	160773	40.48	ng/uL	99
43)	2,4,5-Trichlorophenol	196	7.699	7.699	0.915	159155	38.10	ng/uL	100
45)	2-Chloronaphthalene	162	7.876	7.876	0.936	481212	41.41	ng/uL	100
46)	o-Nitroaniline	65	7.977	7.977	0.948	121978	40.40	ng/uL	99
47)	1,4-Dinitrobenzene	168	8.111	8.111	0.964	71006	41.42	ng/uL	99
48)	m-Dinitrobenzene	168	8.181	8.181	0.972	85711	43.93	ng/uL	98
49)	m-Nitroaniline	138	8.368	8.368	0.994	130157	39.93	ng/uL	99
50)	Dimethylphthalate	163	8.159	8.159	0.969	522006	39.37	ng/uL	99
51)	2,6-Dinitrotoluene	165	8.213	8.213	0.976	117937	41.17	ng/uL	99
52)	2,4-Dinitrotoluene	165	8.587	8.587	1.020	155818	39.69	ng/uL	98
53)	Acenaphthylene	152	8.282	8.282	0.984	764348	40.01	ng/uL	100
54)	Acenaphthene	153	8.443	8.443	1.003	497583	39.89	ng/uL	100
55)	2,4-Dinitrophenol	184	8.464	8.464	1.006	67989	41.15	ng/uL	100
56)	Dibenzofuran	168	8.603	8.603	1.022	671079	39.70	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	8.710	8.710	1.035	139285	38.54	ng/uL	99
58)	Diethylphthalate	149	8.806	8.806	1.046	552333	40.59	ng/uL	100
59)	4-Nitrophenol	109	8.507	8.507	1.011	74852	42.80	ng/uL	96
60)	Fluorene	166	8.913	8.913	1.059	534222	39.98	ng/uL	99
61)	4-Chlorophenylphenylether	204	8.913	8.913	1.059	255147	39.97	ng/uL	99
62)	p-Nitroaniline	138	8.924	8.924	1.060	135792	41.21	ng/uL	99
65)	2-Methyl-4,6-dinitroph...	198	8.951	8.951	0.919	87885	40.38	ng/uL	100
66)	Diphenylamine	169	9.015	9.015	0.925	463541	40.82	ng/uL	100
67)	1,2-Diphenylhydrazine	77	9.052	9.052	0.929	552927	40.66	ng/uL	99
68)	4-Bromophenylphenylether	248	9.341	9.347	0.959	166378	39.03	ng/uL	99
69)	Hexachlorobenzene	284	9.400	9.400	0.965	205755	38.88	ng/uL	100
70)	Pentachlorophenol	266	9.566	9.566	0.982	122473	38.77	ng/uL	98
71)	n-Octadecane	57	9.619	9.619	0.987	321638	39.98	ng/uL	99
72)	Dinoseb	211	9.716	9.716	0.997	128292	40.11	ng/uL	99
73)	Phenanthrene	178	9.764	9.764	1.002	833875	41.32	ng/uL	100
74)	Anthracene	178	9.807	9.807	1.007	815681	40.49	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1210.D
Acq On : 12 Jun 2025 17:40
Operator : NM1
InstName : MSD2
Sample : |WBN250224-04.12|ICV|1|SVM|1|M-ICV
Misc : |MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 14:46:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

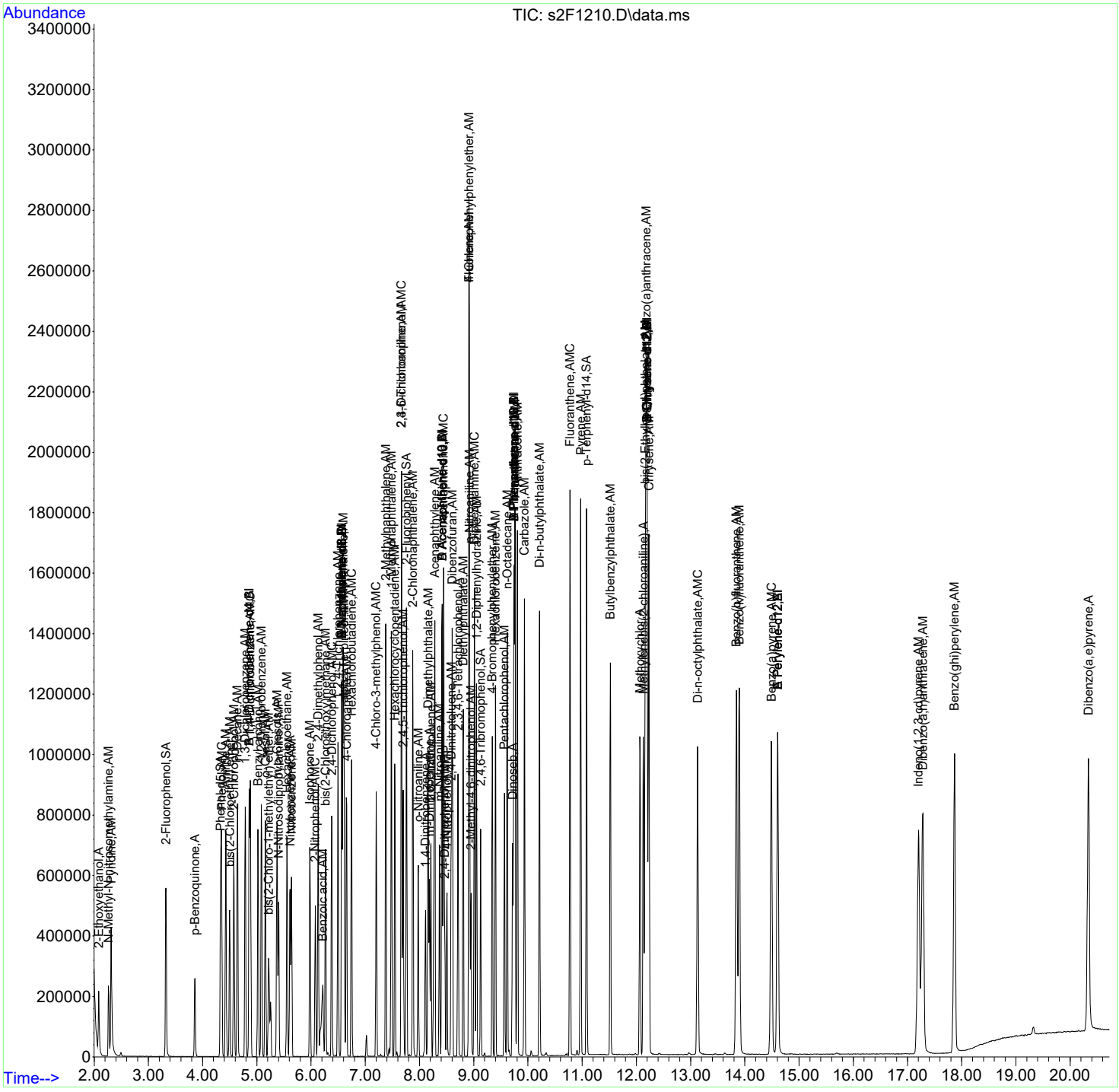
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	9.935	9.935	1.020	722298	39.23	ng/uL	100
76) Di-n-butylphthalate	149	10.213	10.213	1.048	984470	43.05	ng/uL	100
77) Fluoranthene	202	10.775	10.775	1.106	910386	41.76	ng/uL	100
78) Pyrene	202	10.973	10.973	1.126	916101	40.08	ng/uL	100
81) Butylbenzylphthalate	149	11.518	11.518	0.944	408938	42.76	ng/uL	99
82) bis(2-Ethylhexyl)phtha...	149	12.165	12.165	0.997	612675	39.88	ng/uL	99
83) Benzo(a)anthracene	228	12.181	12.181	0.999	928492	41.21	ng/uL	99
84) Chrysene	228	12.230	12.230	1.003	869420	41.48	ng/uL	100
85) Methoxychlor	227	12.064	12.069	0.989	564031	39.88	ng/uL	100
86) Methylenebis(2-chloroa...	231	12.128	12.128	0.994	177178	40.03	ng/uL	100
87) Di-n-octylphthalate	149	13.128	13.128	1.076	937358	40.47	ng/uL	100
89) Benzo(b)fluoranthene	252	13.845	13.845	0.948	928048	41.45	ng/uL	99
90) Benzo(k)fluoranthene	252	13.898	13.898	0.952	874342	37.74	ng/uL	100
91) Benzo(a)pyrene	252	14.492	14.492	0.992	866852	40.96	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	17.204	17.204	1.178	851421	38.92	ng/uL	99
93) Dibenzo(a,h)anthracene	278	17.284	17.279	1.183	866247	40.31	ng/uL	100
94) Benzo(ghi)perylene	276	17.867	17.867	1.223	883817	38.77	ng/uL	100
95) Dibenzo(a,e)pyrene	302	20.338	20.338	1.393	835366	41.77	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1210.D
Acq On : 12 Jun 2025 17:40
Operator : NM1
InstName : MSD2
Sample : |WBN250224-04.12|ICV|1|SVM|1|M-ICV
Misc : |MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 20 14:46:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1211.D
Acq On : 12 Jun 2025 18:05
Operator : NM1
InstName : MSD2
Sample : |WBN250513-51.1|ICAL|1|SVM|1|A-2
Misc : |MIX[B,J]
ALS Vial : 11 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:32 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	186982	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	686084	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	345311	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	705182	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	754908	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	748213	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	686084	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	705182	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	754908	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	22745	10.29	ng/uL	99
98) Methyl methacrylate	69	2.083	2.083	0.429	31143	10.64	ng/uL	99
99) Ethyl methacrylate	69	2.570	2.570	0.529	50810	10.54	ng/uL	99
100) 2-Picoline	93	2.843	2.843	0.585	65965	10.32	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	25189	10.19	ng/uL	98
102) Methyl methanesulfonate	80	3.164	3.169	0.651	34547	10.57	ng/uL	99
103) N-Nitrosodiethylamine	102	3.575	3.576	0.736	25278	9.82	ng/uL	98
104) 2-Butoxyethanol	57	3.640	3.645	0.749	56560	10.18	ng/uL	99
105) Ethyl methanesulfonate	79	3.880	3.880	0.799	48238	10.42	ng/uL	99
106) Benzaldehyde	77	4.303	4.303	0.886	48246	10.45	ng/uL	98
107) Pentachloroethane	167	4.501	4.501	0.926	27139	10.41	ng/uL	98
108) N-Nitrosopyrrolidine	100	5.351	5.357	1.101	27735	9.71	ng/uL	97
109) Acetophenone	105	5.394	5.399	1.110	86130	10.12	ng/uL	99
110) N-Nitrosomorpholine	56	5.410	5.415	1.113	29058	10.21	ng/uL	96
111) o-Toluidine	106	5.442	5.448	1.120	97488	10.12	ng/uL	98
113) N-Nitrosopiperidine	114	5.849	5.849	0.891	28919	9.86	ng/uL	97

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1211.D
Acq On : 12 Jun 2025 18:05
Operator : NM1
InstName : MSD2
Sample : |WBN250513-51.1|ICAL|1|SVM|1|A-2
Misc : |MIX[B,J]
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 14:21:32 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

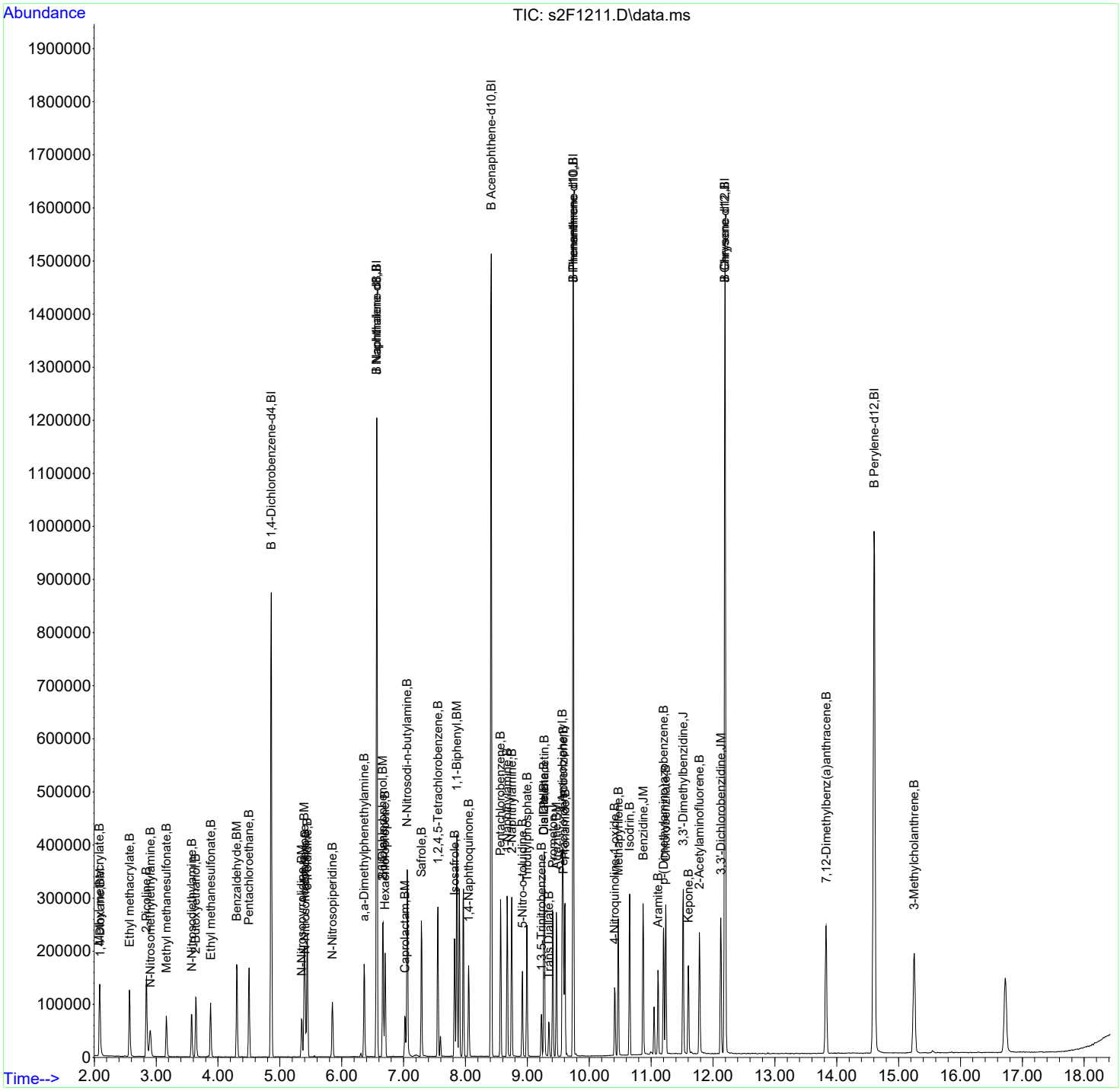
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.362	6.357	0.969	117305	9.45	ng/uL	100
115) 2,6-Dichlorophenol	162	6.662	6.667	1.015	48709	9.77	ng/uL	100
116) Hexachloropropene	213	6.699	6.699	1.020	40753	10.16	ng/uL	98
117) Caprolactam	113	7.020	7.031	1.069	12724	9.05	ng/uL	89
118) N-Nitrosodi-n-butylamine	116	7.057	7.058	1.075	9831	9.30	ng/uL	95
119) Safrole	162	7.287	7.288	1.110	46660	10.20	ng/uL	98
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	63863	10.29	ng/uL	99
122) 1,1-Biphenyl	154	7.860	7.860	0.934	159206	10.48	ng/uL	99
123) Isosafrole	162	7.822	7.822	0.929	47367	9.80	ng/uL	98
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	40735	9.69	ng/uL	97
125) Pentachlorobenzene	250	8.566	8.566	1.018	59261	10.35	ng/uL	99
126) 1-Naphthylamine	143	8.673	8.673	1.031	121110	9.83	ng/uL	99
127) 2-Naphthylamine	143	8.748	8.748	1.039	125800	9.89	ng/uL	100
128) 5-Nitro-o-toluidine	152	8.919	8.919	1.060	28906	8.62	ng/uL	97
129) Tributylphosphate	99	8.994	8.994	1.069	135559	8.68	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	16031	9.06	ng/uL	96
132) Phenacetin	108	9.272	9.277	0.952	58739	9.02	ng/uL	99
133) Diallate	86	9.266	9.267	0.951	38116	9.91	ng/uL	97
134) Cis Diallate	86	9.266	9.267	0.951	38116	8.42	ng/uL	97
135) Trans Diallate	86	9.347	9.347	0.959	13243	1.48	ng/uL	97
136) Atrazine	200	9.470	9.475	0.972	38529	10.16	ng/uL	97
137) 4-Aminobiphenyl	169	9.566	9.566	0.982	151339	9.68	ng/uL	99
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	16628	9.56	ng/uL	98
139) Pronamide	173	9.609	9.609	0.986	63285	9.56	ng/uL	98
140) 4-Nitroquinoline-1-oxide	128	10.411	10.411	1.069	10608	10.67	ng/uL	95
141) Methapyrilene	97	10.470	10.470	1.075	69410	9.68	ng/uL	99
142) Isodrin	193	10.652	10.652	1.093	25280	10.30	ng/uL	96
144) Aramite	185	11.112	11.112	0.911	17073	9.40	ng/uL	97
145) Kepone	272	11.604	11.604	0.952	23255	9.58	ng/uL	98
146) p-(Dimethylamino)azobe...	225	11.203	11.203	0.919	35141	9.09	ng/uL	99
147) Chlorobenzilate	251	11.235	11.235	0.921	58043	9.48	ng/uL	97
148) 2-Acetylaminofluorene	181	11.780	11.786	0.966	67832	8.46	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	13.829	13.829	0.947	89319	9.44	ng/uL	100
151) 3-Methylcholanthrene	269	15.251	15.262	1.044	22307	9.07	ng/uL	99
153) Sulfolane	56	6.667	6.667	1.015	20074	10.55	ng/uL	96
155) Prometon	210	9.411	9.416	0.966	31945	9.62	ng/uL	98
156) Benzidine	184	10.871	10.876	1.116	135101	9.23	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	11.518	11.518	0.945	135531	9.42	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.128	12.128	0.995	85632	9.61	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1211.D
Acq On : 12 Jun 2025 18:05
Operator : NM1
InstName : MSD2
Sample : |WBN250513-51.1|ICAL|1|SVM|1|A-2
Misc : |MIX[B,J]
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 13 14:21:32 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1212.D
Acq On : 12 Jun 2025 18:27
Operator : NM1
InstName : MSD2
Sample : |WBN250513-52|ICAL|1|SVM|1|A-3
Misc : |MIX[B,J]
ALS Vial : 12 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.743	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.610	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	192758	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	720885	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	364653	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.743	9.743	1.000	744542	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	819524	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.610	14.610	1.000	809387	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	720885	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.743	9.743	1.000	744542	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	819524	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.743	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.610	14.620	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	44847	19.69	ng/uL	100
98) Methyl methacrylate	69	2.083	2.083	0.429	58625	19.43	ng/uL	99
99) Ethyl methacrylate	69	2.570	2.570	0.529	97335	19.59	ng/uL	98
100) 2-Picoline	93	2.843	2.843	0.585	128233	19.46	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	49326	19.35	ng/uL	97
102) Methyl methanesulfonate	80	3.164	3.169	0.651	67082	19.91	ng/uL	99
103) N-Nitrosodiethylamine	102	3.576	3.576	0.736	50923	19.19	ng/uL	97
104) 2-Butoxyethanol	57	3.640	3.645	0.749	110862	19.35	ng/uL	99
105) Ethyl methanesulfonate	79	3.880	3.880	0.799	95507	20.01	ng/uL	98
106) Benzaldehyde	77	4.303	4.303	0.886	95068	19.98	ng/uL	99
107) Pentachloroethane	167	4.501	4.501	0.926	51416	19.13	ng/uL	99
108) N-Nitrosopyrrolidine	100	5.357	5.357	1.102	57453	19.51	ng/uL	99
109) Acetophenone	105	5.394	5.399	1.110	173070	19.73	ng/uL	99
110) N-Nitrosomorpholine	56	5.410	5.415	1.113	57182	19.50	ng/uL	99
111) o-Toluidine	106	5.442	5.448	1.120	195857	19.72	ng/uL	99
113) N-Nitrosopiperidine	114	5.849	5.849	0.891	60183	19.54	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1212.D
Acq On : 12 Jun 2025 18:27
Operator : NM1
InstName : MSD2
Sample : |WBN250513-52|ICAL|1|SVM|1|A-3
Misc : |MIX[B,J]
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 14:21:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

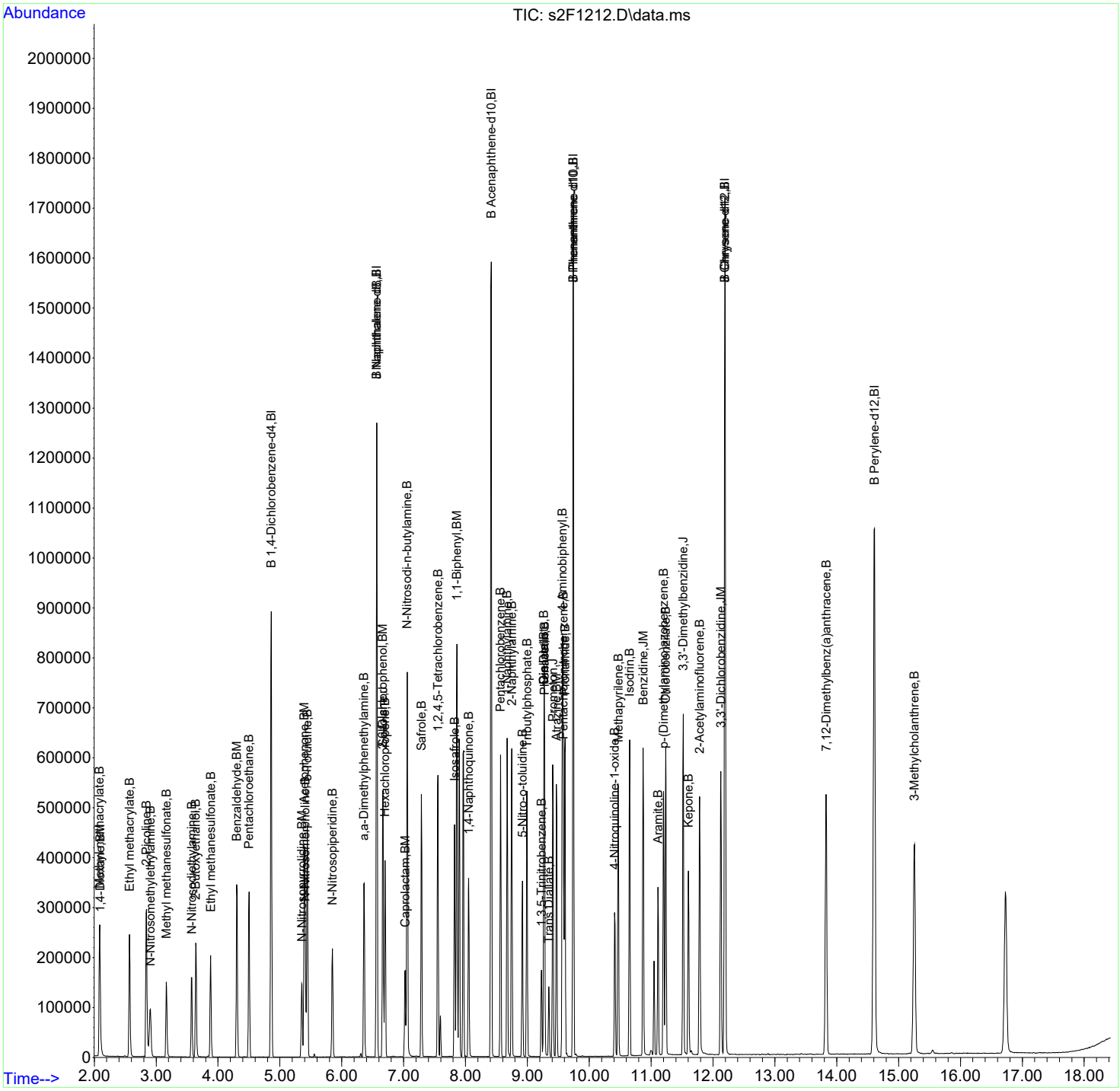
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.357	6.357	0.968	242647	18.61	ng/uL	100
115) 2,6-Dichlorophenol	162	6.662	6.667	1.015	100632	19.20	ng/uL	100
116) Hexachloropropene	213	6.699	6.699	1.020	81602	19.36	ng/uL	98
117) Caprolactam	113	7.025	7.031	1.070	26773	18.13	ng/uL	95
118) N-Nitrosodi-n-butylamine	116	7.058	7.058	1.075	21303	19.17	ng/uL	99
119) Safrole	162	7.287	7.288	1.110	93444	19.45	ng/uL	99
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	130802	19.96	ng/uL	99
122) 1,1-Biphenyl	154	7.860	7.860	0.934	318584	19.86	ng/uL	99
123) Isosafrole	162	7.822	7.822	0.929	100257	19.64	ng/uL	99
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	86498	19.49	ng/uL	98
125) Pentachlorobenzene	250	8.566	8.566	1.018	119765	19.80	ng/uL	99
126) 1-Naphthylamine	143	8.673	8.673	1.031	249333	19.17	ng/uL	100
127) 2-Naphthylamine	143	8.748	8.748	1.039	259211	19.29	ng/uL	99
128) 5-Nitro-o-toluidine	152	8.919	8.919	1.060	63602	17.96	ng/uL	98
129) Tributylphosphate	99	8.994	8.994	1.069	298528	18.11	ng/uL	99
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	33687	18.03	ng/uL	98
132) Phenacetin	108	9.277	9.277	0.952	129128	18.79	ng/uL	98
133) Diallate	86	9.266	9.267	0.951	78475	19.32	ng/uL	99
134) Cis Diallate	86	9.266	9.267	0.951	78475	16.42	ng/uL	99
135) Trans Diallate	86	9.347	9.347	0.959	27406	2.89	ng/uL	99
136) Atrazine	200	9.470	9.475	0.972	79121	19.76	ng/uL	100
137) 4-Aminobiphenyl	169	9.566	9.566	0.982	317761	19.24	ng/uL	99
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	34832	18.96	ng/uL	98
139) Pronamide	173	9.609	9.609	0.986	132764	18.99	ng/uL	99
140) 4-Nitroquinoline-1-oxide	128	10.411	10.411	1.069	22726	21.64	ng/uL	98
141) Methapyrilene	97	10.470	10.470	1.075	148678	19.64	ng/uL	99
142) Isodrin	193	10.652	10.652	1.093	50048	19.31	ng/uL	98
144) Aramite	185	11.112	11.112	0.911	35474	17.99	ng/uL	97
145) Kepone	272	11.604	11.604	0.952	48915	18.57	ng/uL	100
146) p-(Dimethylamino)azobe...	225	11.203	11.203	0.919	77684	18.52	ng/uL	99
147) Chlorobenzilate	251	11.235	11.235	0.921	127249	19.14	ng/uL	99
148) 2-Acetylaminofluorene	181	11.786	11.786	0.967	153077	17.58	ng/uL	100
150) 7,12-Dimethylbenz(a)an...	256	13.829	13.829	0.947	191922	18.74	ng/uL	99
151) 3-Methylcholanthrene	269	15.257	15.262	1.044	48862	18.37	ng/uL	99
153) Sulfolane	56	6.667	6.667	1.015	39768	19.89	ng/uL	96
155) Prometon	210	9.411	9.416	0.966	66435	18.95	ng/uL	98
156) Benzidine	184	10.871	10.876	1.116	288797	18.68	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	11.518	11.518	0.945	292583	18.74	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.128	12.128	0.995	182670	18.88	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1212.D
Acq On : 12 Jun 2025 18:27
Operator : NM1
InstName : MSD2
Sample : |WBN250513-52|ICAL|1|SVM|1|A-3
Misc : |MIX[B,J]
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 13 14:21:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1213.D
Acq On : 12 Jun 2025 18:50
Operator : NM1
InstName : MSD2
Sample : |WBN250513-53|ICAL|1|SVM|1|A-9
Misc : |MIX[B,J]
ALS Vial : 13 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:38 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	181994	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	677731	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	339469	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	690729	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	752420	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	741311	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	677731	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	690729	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	752420	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	66398	30.87	ng/uL	99
98) Methyl methacrylate	69	2.083	2.083	0.429	86185	30.25	ng/uL	99
99) Ethyl methacrylate	69	2.570	2.570	0.529	142083	30.29	ng/uL	99
100) 2-Picoline	93	2.843	2.843	0.585	187892	30.21	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	72078	29.94	ng/uL	99
102) Methyl methanesulfonate	80	3.169	3.169	0.652	97806	30.75	ng/uL	99
103) N-Nitrosodiethylamine	102	3.575	3.576	0.736	75619	30.18	ng/uL	99
104) 2-Butoxyethanol	57	3.645	3.645	0.750	160846	29.73	ng/uL	100
105) Ethyl methanesulfonate	79	3.880	3.880	0.799	136015	30.19	ng/uL	100
106) Benzaldehyde	77	4.303	4.303	0.886	140222	31.21	ng/uL	99
107) Pentachloroethane	167	4.501	4.501	0.926	76983	30.34	ng/uL	100
108) N-Nitrosopyrrolidine	100	5.356	5.357	1.102	80700	29.02	ng/uL	98
109) Acetophenone	105	5.394	5.399	1.110	249629	30.14	ng/uL	100
110) N-Nitrosomorpholine	56	5.410	5.415	1.113	83563	30.18	ng/uL	98
111) o-Toluidine	106	5.442	5.448	1.120	280424	29.90	ng/uL	98
113) N-Nitrosopiperidine	114	5.849	5.849	0.891	86728	29.95	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1213.D
Acq On : 12 Jun 2025 18:50
Operator : NM1
InstName : MSD2
Sample : |WBN250513-53|ICAL|1|SVM|1|A-9
Misc : |MIX[B,J]
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 14:21:38 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

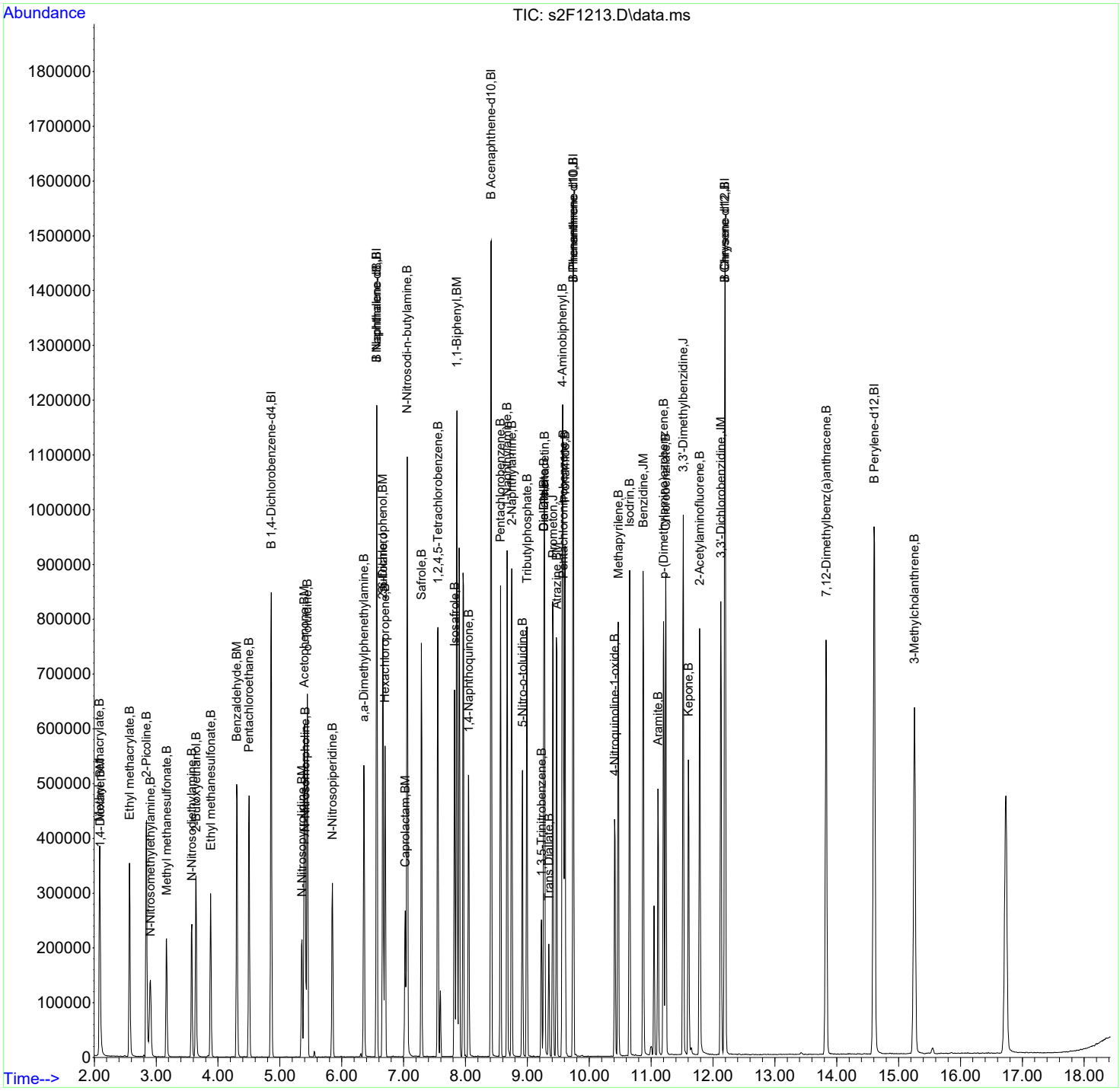
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.357	6.357	0.968	355883	29.03	ng/uL	100
115) 2,6-Dichlorophenol	162	6.662	6.667	1.015	145525	29.53	ng/uL	100
116) Hexachloropropene	213	6.699	6.699	1.020	119008	30.03	ng/uL	98
117) Caprolactam	113	7.025	7.031	1.070	40618	29.26	ng/uL	93
118) N-Nitrosodi-n-butylamine	116	7.057	7.058	1.075	30659	29.35	ng/uL	99
119) Safrole	162	7.287	7.288	1.110	135383	29.97	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	185317	30.38	ng/uL	98
122) 1,1-Biphenyl	154	7.860	7.860	0.934	450948	30.20	ng/uL	99
123) Isosafrole	162	7.822	7.822	0.930	142359	29.96	ng/uL	98
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	123561	29.91	ng/uL	99
125) Pentachlorobenzene	250	8.566	8.566	1.018	169513	30.11	ng/uL	100
126) 1-Naphthylamine	143	8.673	8.673	1.031	358222	29.59	ng/uL	100
127) 2-Naphthylamine	143	8.748	8.748	1.040	370625	29.63	ng/uL	99
128) 5-Nitro-o-toluidine	152	8.919	8.919	1.060	94481	28.65	ng/uL	99
129) Tributylphosphate	99	8.994	8.994	1.069	442177	28.81	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	49853	28.77	ng/uL	98
132) Phenacetin	108	9.277	9.277	0.952	186674	29.28	ng/uL	99
133) Diallate	86	9.266	9.267	0.951	113464	30.11	ng/uL	98
134) Cis Diallate	86	9.266	9.267	0.951	113464	25.59	ng/uL	98
135) Trans Diallate	86	9.347	9.347	0.959	39905	4.54	ng/uL	98
136) Atrazine	200	9.475	9.475	0.973	113376	30.51	ng/uL	99
137) 4-Aminobiphenyl	169	9.566	9.566	0.982	451625	29.48	ng/uL	100
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	50170	29.44	ng/uL	98
139) Pronamide	173	9.609	9.609	0.986	190925	29.44	ng/uL	100
140) 4-Nitroquinoline-1-oxide	128	10.411	10.411	1.069	32769	33.64	ng/uL	97
141) Methapyrilene	97	10.470	10.470	1.075	213770	30.44	ng/uL	100
142) Isodrin	193	10.652	10.652	1.093	72688	30.23	ng/uL	99
144) Aramite	185	11.112	11.112	0.911	53492	29.55	ng/uL	99
145) Kepone	272	11.604	11.604	0.952	72062	29.80	ng/uL	98
146) p-(Dimethylamino)azobe...	225	11.203	11.203	0.919	114331	29.69	ng/uL	99
147) Chlorobenzilate	251	11.235	11.235	0.921	183641	30.09	ng/uL	99
148) 2-Acetylaminofluorene	181	11.786	11.786	0.967	223896	28.01	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	13.829	13.829	0.947	277088	29.54	ng/uL	99
151) 3-Methylcholanthrene	269	15.257	15.262	1.045	72288	29.68	ng/uL	97
153) Sulfolane	56	6.667	6.667	1.015	56052	29.82	ng/uL	97
155) Prometon	210	9.411	9.416	0.966	96946	29.80	ng/uL	99
156) Benzidine	184	10.871	10.876	1.116	422434	29.46	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	11.518	11.518	0.945	428300	29.88	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.128	12.128	0.995	261871	29.48	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1213.D
Acq On : 12 Jun 2025 18:50
Operator : NM1
InstName : MSD2
Sample : |WBN250513-53|ICAL|1|SVM|1|A-9
Misc : |MIX[B,J]
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 13 14:21:38 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1214.D
Acq On : 12 Jun 2025 19:13
Operator : NM1
InstName : MSD2
Sample : |WBN250513-54.1|ICAL|1|SVM|1|A-4
Misc : |MIX[B,J]
ALS Vial : 14 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:41 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.743	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.610	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	210046	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	776129	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	384761	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.743	9.743	1.000	777501	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	862099	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.610	14.610	1.000	852478	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	776129	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.743	9.743	1.000	777501	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	862099	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.743	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.610	14.620	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	5.555	5.613	0.846	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	7.812	7.758	0.929	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	96004	38.68	ng/uL	100
98) Methyl methacrylate	69	2.083	2.083	0.429	128426	39.06	ng/uL	100
99) Ethyl methacrylate	69	2.570	2.570	0.529	212016	39.16	ng/uL	100
100) 2-Picoline	93	2.843	2.843	0.585	283350	39.47	ng/uL	100
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	109762	39.51	ng/uL	100
102) Methyl methanesulfonate	80	3.169	3.169	0.652	145230	39.56	ng/uL	100
103) N-Nitrosodiethylamine	102	3.576	3.576	0.736	114077	39.44	ng/uL	100
104) 2-Butoxyethanol	57	3.645	3.645	0.750	245975	39.39	ng/uL	100
105) Ethyl methanesulfonate	79	3.880	3.880	0.799	204872	39.40	ng/uL	100
106) Benzaldehyde	77	4.303	4.303	0.886	208429	40.20	ng/uL	100
107) Pentachloroethane	167	4.501	4.501	0.926	116165	39.67	ng/uL	100
108) N-Nitrosopyrrolidine	100	5.357	5.357	1.102	126443	39.40	ng/uL	100
109) Acetophenone	105	5.399	5.399	1.111	376006	39.34	ng/uL	100
110) N-Nitrosomorpholine	56	5.415	5.415	1.114	124335	38.90	ng/uL	100
111) o-Toluidine	106	5.448	5.448	1.121	426781	39.43	ng/uL	100
113) N-Nitrosopiperidine	114	5.849	5.849	0.891	131037	39.51	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1214.D
Acq On : 12 Jun 2025 19:13
Operator : NM1
InstName : MSD2
Sample : |WBN250513-54.1|ICAL|1|SVM|1|A-4
Misc : |MIX[B,J]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 13 14:21:41 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

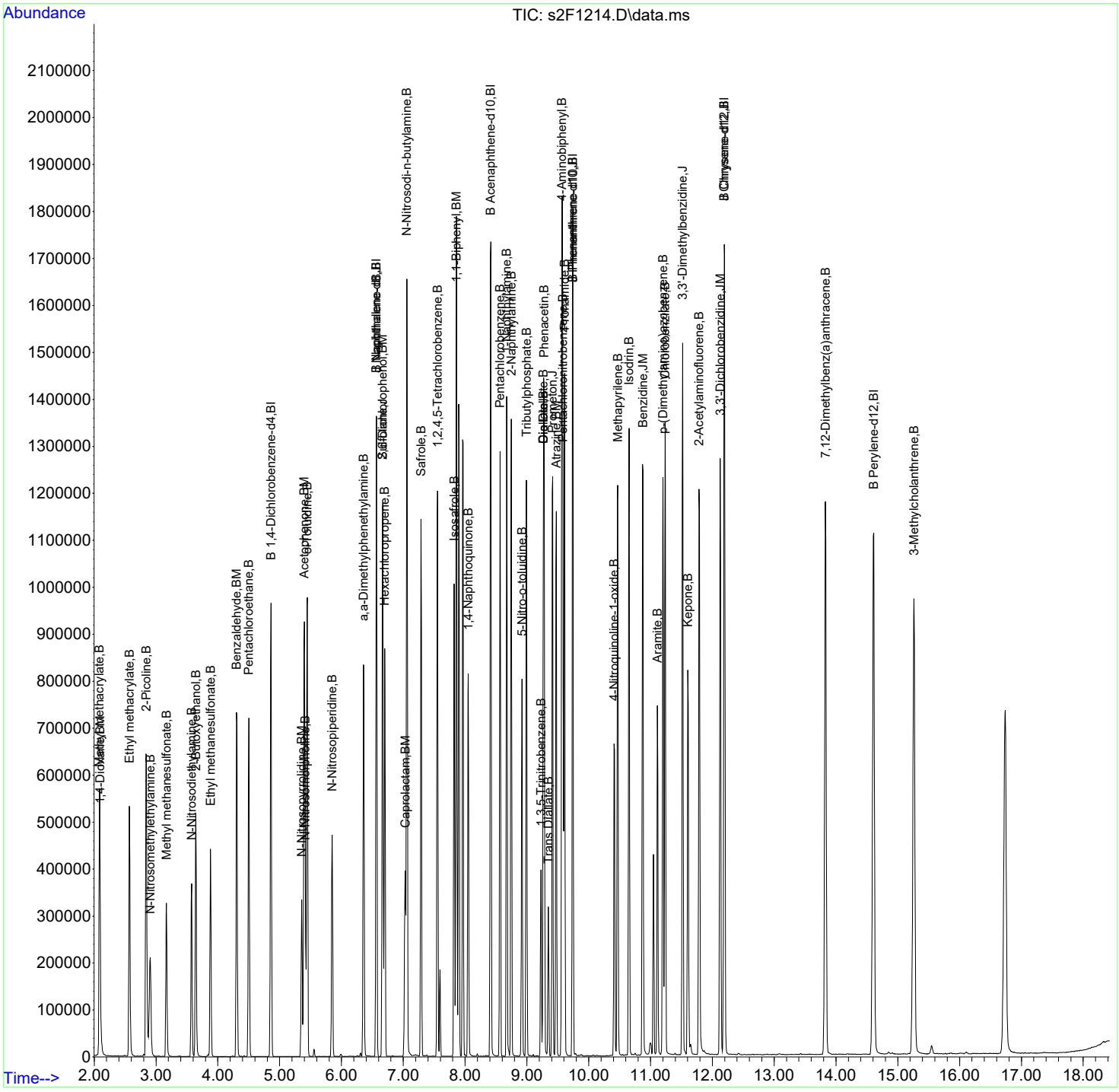
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.357	6.357	0.968	549731	39.16	ng/uL	100
115) 2,6-Dichlorophenol	162	6.667	6.667	1.015	221434	39.24	ng/uL	100
116) Hexachloropropene	213	6.699	6.699	1.020	178327	39.30	ng/uL	100
117) Caprolactam	113	7.031	7.031	1.071	62583	39.37	ng/uL	100
118) N-Nitrosodi-n-butylamine	116	7.058	7.058	1.075	47252	39.50	ng/uL	100
119) Safrole	162	7.288	7.288	1.110	204952	39.62	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	276992	40.07	ng/uL	100
122) 1,1-Biphenyl	154	7.860	7.860	0.934	676643	39.98	ng/uL	100
123) Isosafrole	162	7.822	7.822	0.930	213933	39.72	ng/uL	100
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	191410	40.87	ng/uL	100
125) Pentachlorobenzene	250	8.566	8.566	1.018	254019	39.80	ng/uL	100
126) 1-Naphthylamine	143	8.673	8.673	1.031	547330	39.89	ng/uL	100
127) 2-Naphthylamine	143	8.748	8.748	1.040	567338	40.01	ng/uL	100
128) 5-Nitro-o-toluidine	152	8.919	8.919	1.060	148146	39.64	ng/uL	100
129) Tributylphosphate	99	8.994	8.994	1.069	686670	39.47	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	77001	39.47	ng/uL	100
132) Phenacetin	108	9.277	9.277	0.952	289242	40.30	ng/uL	100
133) Diallate	86	9.267	9.267	0.951	170088	40.09	ng/uL	100
134) Cis Diallate	86	9.267	9.267	0.951	170088	34.08	ng/uL	100
135) Trans Diallate	86	9.347	9.347	0.959	59649	6.03	ng/uL	100
136) Atrazine	200	9.475	9.475	0.973	169210	40.46	ng/uL	100
137) 4-Aminobiphenyl	169	9.566	9.566	0.982	689996	40.02	ng/uL	100
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	77263	40.28	ng/uL	100
139) Pronamide	173	9.609	9.609	0.986	289765	39.70	ng/uL	100
140) 4-Nitroquinoline-1-oxide	128	10.411	10.411	1.069	47595	43.40	ng/uL	100
141) Methapyrilene	97	10.470	10.470	1.075	326702	41.33	ng/uL	100
142) Isodrin	193	10.652	10.652	1.093	107720	39.80	ng/uL	100
144) Aramite	185	11.112	11.112	0.911	81447	39.27	ng/uL	100
145) Kepone	272	11.604	11.604	0.952	111549	40.26	ng/uL	100
146) p-(Dimethylamino)azobe...	225	11.203	11.203	0.919	177642	40.26	ng/uL	100
147) Chlorobenzilate	251	11.235	11.235	0.921	277370	39.66	ng/uL	100
148) 2-Acetylaminofluorene	181	11.786	11.786	0.967	360823	39.40	ng/uL	100
150) 7,12-Dimethylbenz(a)an...	256	13.829	13.829	0.947	428959	39.77	ng/uL	100
151) 3-Methylcholanthrene	269	15.262	15.262	1.045	111245	39.71	ng/uL	100
153) Sulfolane	56	6.667	6.667	1.015	84250	39.15	ng/uL	100
155) Prometon	210	9.416	9.416	0.967	146932	40.13	ng/uL	100
156) Benzidine	184	10.876	10.876	1.116	651935	40.39	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	11.518	11.518	0.945	653721	39.81	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.128	12.128	0.995	402968	39.60	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1214.D
Acq On : 12 Jun 2025 19:13
Operator : NM1
InstName : MSD2
Sample : |WBN250513-54.1|ICAL|1|SVM|1|A-4
Misc : |MIX[B,J]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 13 14:21:41 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1215.D
Acq On : 12 Jun 2025 19:36
Operator : NM1
InstName : MSD2
Sample : |WBN250513-55|ICAL|1|SVM|1|A-5
Misc : |MIX[B,J]
ALS Vial : 15 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:44 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	197789	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	735166	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.416	8.411	1.000	366303	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	734692	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	800157	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	792927	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	735166	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	734692	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	800157	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.416	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	5.554	5.613	0.846	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	117571	50.30	ng/uL	100
98) Methyl methacrylate	69	2.083	2.083	0.429	154734	49.98	ng/uL	100
99) Ethyl methacrylate	69	2.570	2.570	0.529	254843	49.99	ng/uL	99
100) 2-Picoline	93	2.837	2.843	0.584	339244	50.18	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	131622	50.32	ng/uL	99
102) Methyl methanesulfonate	80	3.169	3.169	0.652	171531	49.62	ng/uL	99
103) N-Nitrosodiethylamine	102	3.575	3.576	0.736	135374	49.71	ng/uL	100
104) 2-Butoxyethanol	57	3.645	3.645	0.750	293540	49.92	ng/uL	99
105) Ethyl methanesulfonate	79	3.880	3.880	0.799	242468	49.52	ng/uL	100
106) Benzaldehyde	77	4.303	4.303	0.886	245602	50.30	ng/uL	100
107) Pentachloroethane	167	4.501	4.501	0.926	136431	49.48	ng/uL	99
108) N-Nitrosopyrrolidine	100	5.356	5.357	1.102	150014	49.64	ng/uL	99
109) Acetophenone	105	5.399	5.399	1.111	442153	49.12	ng/uL	99
110) N-Nitrosomorpholine	56	5.415	5.415	1.114	149040	49.52	ng/uL	100
111) o-Toluidine	106	5.447	5.448	1.121	505098	49.56	ng/uL	99
113) N-Nitrosopiperidine	114	5.848	5.849	0.891	155275	49.43	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1215.D
Acq On : 12 Jun 2025 19:36
Operator : NM1
InstName : MSD2
Sample : |WBN250513-55|ICAL|1|SVM|1|A-5
Misc : |MIX[B,J]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 14:21:44 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

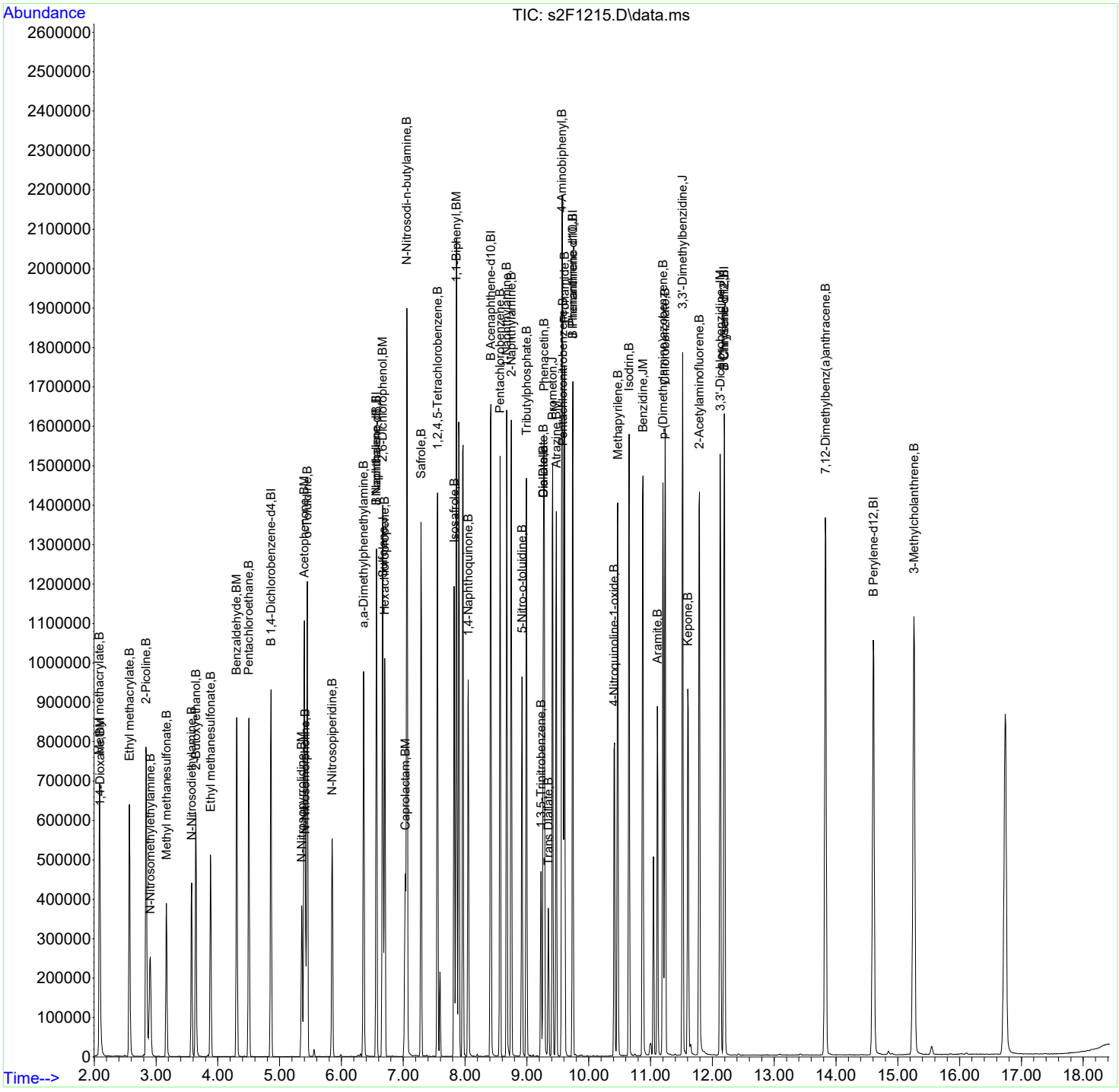
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.356	6.357	0.968	653850	49.17	ng/uL	100
115) 2,6-Dichlorophenol	162	6.667	6.667	1.015	268497	50.24	ng/uL	99
116) Hexachloropropene	213	6.699	6.699	1.020	213914	49.77	ng/uL	99
117) Caprolactam	113	7.030	7.031	1.071	75250	49.98	ng/uL	99
118) N-Nitrosodi-n-butylamine	116	7.057	7.058	1.075	57654	50.88	ng/uL	98
119) Safrole	162	7.287	7.288	1.110	242491	49.49	ng/uL	99
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	325854	49.51	ng/uL	100
122) 1,1-Biphenyl	154	7.859	7.860	0.934	794759	49.33	ng/uL	100
123) Isosafrole	162	7.822	7.822	0.929	255276	49.79	ng/uL	99
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	228613	51.28	ng/uL	99
125) Pentachlorobenzene	250	8.565	8.566	1.018	301797	49.67	ng/uL	100
126) 1-Naphthylamine	143	8.672	8.673	1.031	643216	49.24	ng/uL	100
127) 2-Naphthylamine	143	8.747	8.748	1.039	672932	49.85	ng/uL	100
128) 5-Nitro-o-toluidine	152	8.918	8.919	1.060	177955	50.01	ng/uL	99
129) Tributylphosphate	99	8.993	8.994	1.069	831949	50.23	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	92045	49.94	ng/uL	98
132) Phenacetin	108	9.277	9.277	0.952	338482	49.91	ng/uL	99
133) Diallate	86	9.266	9.267	0.951	200164	49.93	ng/uL	100
134) Cis Diallate	86	9.266	9.267	0.951	200164	42.44	ng/uL	100
135) Trans Diallate	86	9.346	9.347	0.959	71346	7.63	ng/uL	98
136) Atrazine	200	9.475	9.475	0.973	201072	50.88	ng/uL	99
137) 4-Aminobiphenyl	169	9.566	9.566	0.982	811211	49.79	ng/uL	100
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	89681	49.48	ng/uL	98
139) Pronamide	173	9.608	9.609	0.986	346512	50.24	ng/uL	100
140) 4-Nitroquinoline-1-oxide	128	10.411	10.411	1.069	52210	50.39	ng/uL	95
141) Methapyrilene	97	10.470	10.470	1.075	383051	51.28	ng/uL	100
142) Isodrin	193	10.651	10.652	1.093	127003	49.66	ng/uL	99
144) Aramite	185	11.111	11.112	0.911	97541	50.67	ng/uL	99
145) Kepone	272	11.604	11.604	0.952	128987	50.15	ng/uL	99
146) p-(Dimethylamino)azobe...	225	11.202	11.203	0.919	208207	50.84	ng/uL	98
147) Chlorobenzilate	251	11.234	11.235	0.921	326927	50.36	ng/uL	99
148) 2-Acetylaminofluorene	181	11.791	11.786	0.967	429418	50.52	ng/uL	100
150) 7,12-Dimethylbenz(a)an...	256	13.829	13.829	0.947	502024	50.04	ng/uL	99
151) 3-Methylcholanthrene	269	15.262	15.262	1.045	130553	50.11	ng/uL	99
153) Sulfolane	56	6.672	6.667	1.016	100663	49.38	ng/uL	97
155) Prometon	210	9.416	9.416	0.967	172590	49.88	ng/uL	99
156) Benzidine	184	10.876	10.876	1.116	768147	50.36	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	11.518	11.518	0.945	767596	50.36	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.128	12.128	0.995	473299	50.11	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1215.D
Acq On : 12 Jun 2025 19:36
Operator : NM1
InstName : MSD2
Sample : |WBN250513-55|ICAL|1|SVM|1|A-5
Misc : |MIX[B,J]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 13 14:21:44 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



LL
06/20/2025

JCB
06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1216.D
Acq On : 12 Jun 2025 19:58
Operator : NM1
InstName : MSD2
Sample : |WBN250513-56|ICAL|1|SVM|1|A10
Misc : |MIX[B,J]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 14:21:47 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.198	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	207331	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	769303	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	389606	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	787619	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.198	12.192	1.000	859733	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	867605	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	769303	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	787619	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.198	12.192	1.000	859733	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.198	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	5.554	5.613	0.846	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	145144	59.24	ng/uL	99
98) Methyl methacrylate	69	2.083	2.083	0.429	192538	59.33	ng/uL	100
99) Ethyl methacrylate	69	2.570	2.570	0.529	315139	58.98	ng/uL	99
100) 2-Picoline	93	2.837	2.843	0.584	421362	59.46	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	162938	59.42	ng/uL	99
102) Methyl methanesulfonate	80	3.169	3.169	0.652	215700	59.52	ng/uL	100
103) N-Nitrosodiethylamine	102	3.575	3.576	0.736	173048	60.62	ng/uL	99
104) 2-Butoxyethanol	57	3.645	3.645	0.750	368875	59.85	ng/uL	100
105) Ethyl methanesulfonate	79	3.886	3.880	0.800	302711	58.98	ng/uL	99
106) Benzaldehyde	77	4.308	4.303	0.887	306779	59.94	ng/uL	100
107) Pentachloroethane	167	4.501	4.501	0.926	172632	59.73	ng/uL	100
108) N-Nitrosopyrrolidine	100	5.362	5.357	1.103	191690	60.51	ng/uL	99
109) Acetophenone	105	5.399	5.399	1.111	568116	60.21	ng/uL	99
110) N-Nitrosomorpholine	56	5.415	5.415	1.114	190773	60.47	ng/uL	99
111) o-Toluidine	106	5.448	5.448	1.121	642062	60.10	ng/uL	99
113) N-Nitrosopiperidine	114	5.849	5.849	0.891	199954	60.83	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1216.D
Acq On : 12 Jun 2025 19:58
Operator : NM1
InstName : MSD2
Sample : |WBN250513-56|ICAL|1|SVM|1|A10
Misc : |MIX[B,J]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 14:21:47 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

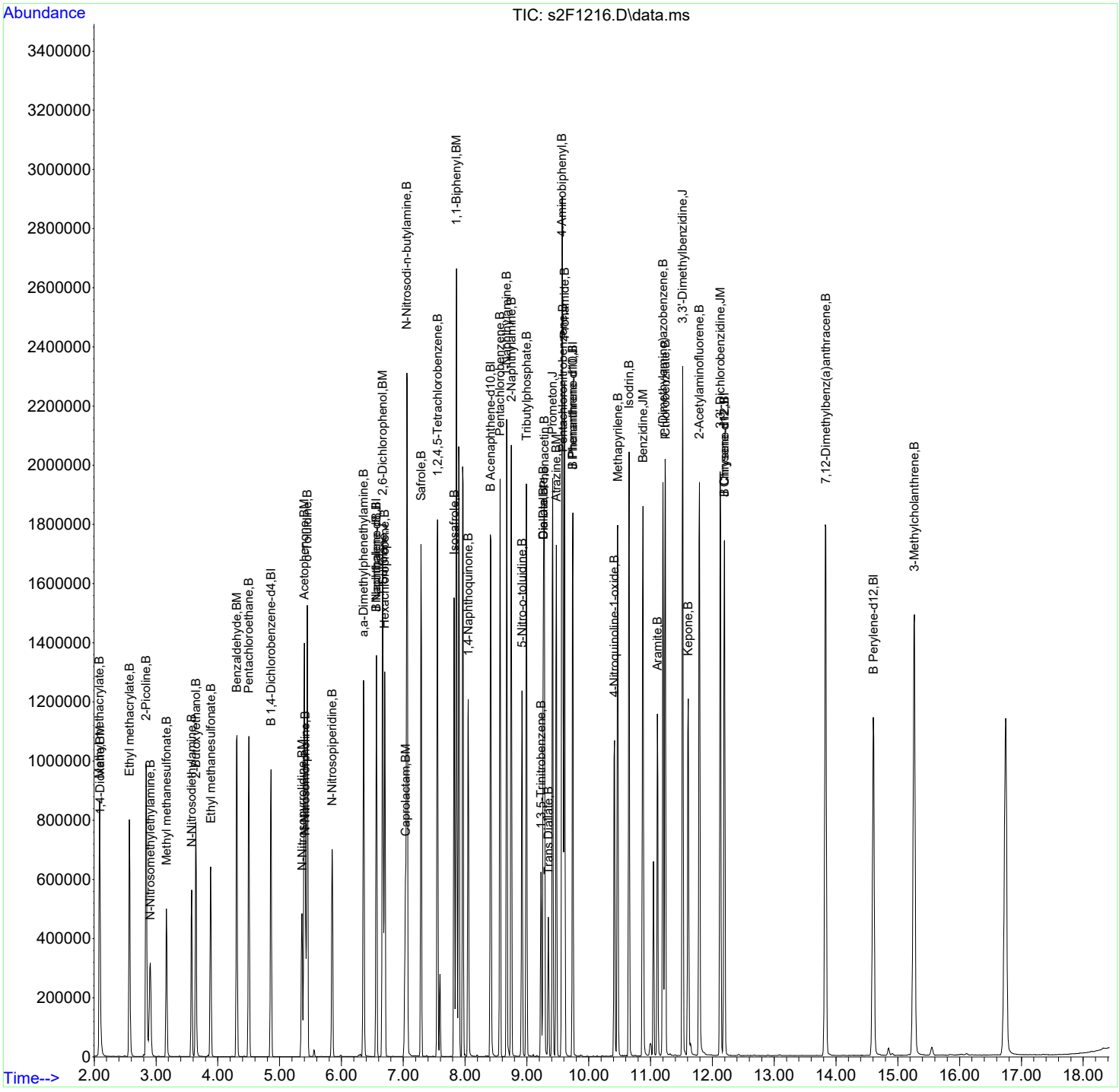
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.357	6.357	0.968	860682	61.85	ng/uL	100
115) 2,6-Dichlorophenol	162	6.667	6.667	1.015	341955	61.14	ng/uL	99
116) Hexachloropropene	213	6.699	6.699	1.020	267192	59.40	ng/uL	100
117) Caprolactam	113	7.036	7.031	1.072	98646	62.61	ng/uL#	69
118) N-Nitrosodi-n-butylamine	116	7.057	7.058	1.075	72103	60.81	ng/uL	99
119) Safrole	162	7.287	7.288	1.110	310358	60.53	ng/uL	99
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	412903	58.99	ng/uL	99
122) 1,1-Biphenyl	154	7.860	7.860	0.934	1015885	59.28	ng/uL	99
123) Isosafrole	162	7.822	7.822	0.930	326553	59.88	ng/uL	100
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	289688	61.09	ng/uL	100
125) Pentachlorobenzene	250	8.566	8.566	1.018	386487	59.81	ng/uL	99
126) 1-Naphthylamine	143	8.673	8.673	1.031	840396	60.49	ng/uL	100
127) 2-Naphthylamine	143	8.748	8.748	1.040	862917	60.11	ng/uL	100
128) 5-Nitro-o-toluidine	152	8.919	8.919	1.060	234213	61.89	ng/uL	100
129) Tributylphosphate	99	8.994	8.994	1.069	1094743	62.14	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	121942	61.71	ng/uL	98
132) Phenacetin	108	9.282	9.277	0.953	445203	61.24	ng/uL	99
133) Diallate	86	9.266	9.267	0.951	256785	59.75	ng/uL	100
134) Cis Diallate	86	9.266	9.267	0.951	256785	50.79	ng/uL	100
135) Trans Diallate	86	9.347	9.347	0.959	88378	8.82	ng/uL	100
136) Atrazine	200	9.475	9.475	0.973	254517	60.08	ng/uL	99
137) 4-Aminobiphenyl	169	9.566	9.566	0.982	1059027	60.63	ng/uL	100
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	117671	60.56	ng/uL	98
139) Pronamide	173	9.609	9.609	0.986	448058	60.59	ng/uL	100
140) 4-Nitroquinoline-1-oxide	128	10.416	10.411	1.069	64732	58.27	ng/uL	97
141) Methapyrilene	97	10.470	10.470	1.075	490509	61.25	ng/uL	100
142) Isodrin	193	10.652	10.652	1.093	161956	59.08	ng/uL	98
144) Aramite	185	11.112	11.112	0.911	129178	62.45	ng/uL	99
145) Kepone	272	11.609	11.604	0.952	172502	62.42	ng/uL	100
146) p-(Dimethylamino)azobe...	225	11.203	11.203	0.918	271070	61.60	ng/uL	98
147) Chlorobenzilate	251	11.240	11.235	0.922	432460	62.01	ng/uL	100
148) 2-Acetylaminofluorene	181	11.791	11.786	0.967	574800	62.93	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	13.834	13.829	0.947	670107	61.04	ng/uL	100
151) 3-Methylcholanthrene	269	15.268	15.262	1.045	174637	61.26	ng/uL	99
153) Sulfolane	56	6.672	6.667	1.016	128991	60.47	ng/uL	97
155) Prometon	210	9.416	9.416	0.967	225800	60.87	ng/uL	100
156) Benzidine	184	10.876	10.876	1.116	995439	60.88	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	11.518	11.518	0.944	1018412	62.19	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.128	12.128	0.994	620508	61.14	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1216.D
Acq On : 12 Jun 2025 19:58
Operator : NM1
InstName : MSD2
Sample : |WBN250513-56|ICAL|1|SVM|1|A10
Misc : |MIX[B,J]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 13 14:21:47 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1217.D
Acq On : 12 Jun 2025 20:21
Operator : NM1
InstName : MSD2
Sample : |WBN250513-57|ICAL|1|SVM|1|A-6
Misc : |MIX[B,J]
ALS Vial : 17 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:50 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.197	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.610	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	230788	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	850226	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	427371	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	864958	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.197	12.192	1.000	959063	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.610	14.610	1.000	979759	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	850226	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	864958	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.197	12.192	1.000	959063	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.610	14.620	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	5.554	5.613	0.846	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	213823	78.40	ng/uL	98
98) Methyl methacrylate	69	2.083	2.083	0.429	279464	77.36	ng/uL	98
99) Ethyl methacrylate	69	2.570	2.570	0.529	468020	78.68	ng/uL	99
100) 2-Picoline	93	2.837	2.843	0.584	625910	79.35	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	244359	80.06	ng/uL	99
102) Methyl methanesulfonate	80	3.169	3.169	0.652	317978	78.82	ng/uL	100
103) N-Nitrosodiethylamine	102	3.575	3.576	0.736	258927	81.48	ng/uL	99
104) 2-Butoxyethanol	57	3.645	3.645	0.750	551105	80.33	ng/uL	100
105) Ethyl methanesulfonate	79	3.886	3.880	0.800	452002	79.11	ng/uL	100
106) Benzaldehyde	77	4.308	4.303	0.887	447506	78.55	ng/uL	100
107) Pentachloroethane	167	4.501	4.501	0.926	254875	79.22	ng/uL	99
108) N-Nitrosopyrrolidine	100	5.367	5.357	1.105	288737	81.88	ng/uL	99
109) Acetophenone	105	5.399	5.399	1.111	838218	79.81	ng/uL	99
110) N-Nitrosomorpholine	56	5.421	5.415	1.116	279072	79.47	ng/uL	100
111) o-Toluidine	106	5.453	5.448	1.122	945698	79.53	ng/uL	99
113) N-Nitrosopiperidine	114	5.854	5.849	0.892	296322	81.56	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1217.D
Acq On : 12 Jun 2025 20:21
Operator : NM1
InstName : MSD2
Sample : |WBN250513-57|ICAL|1|SVM|1|A-6
Misc : |MIX[B,J]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 13 14:21:50 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

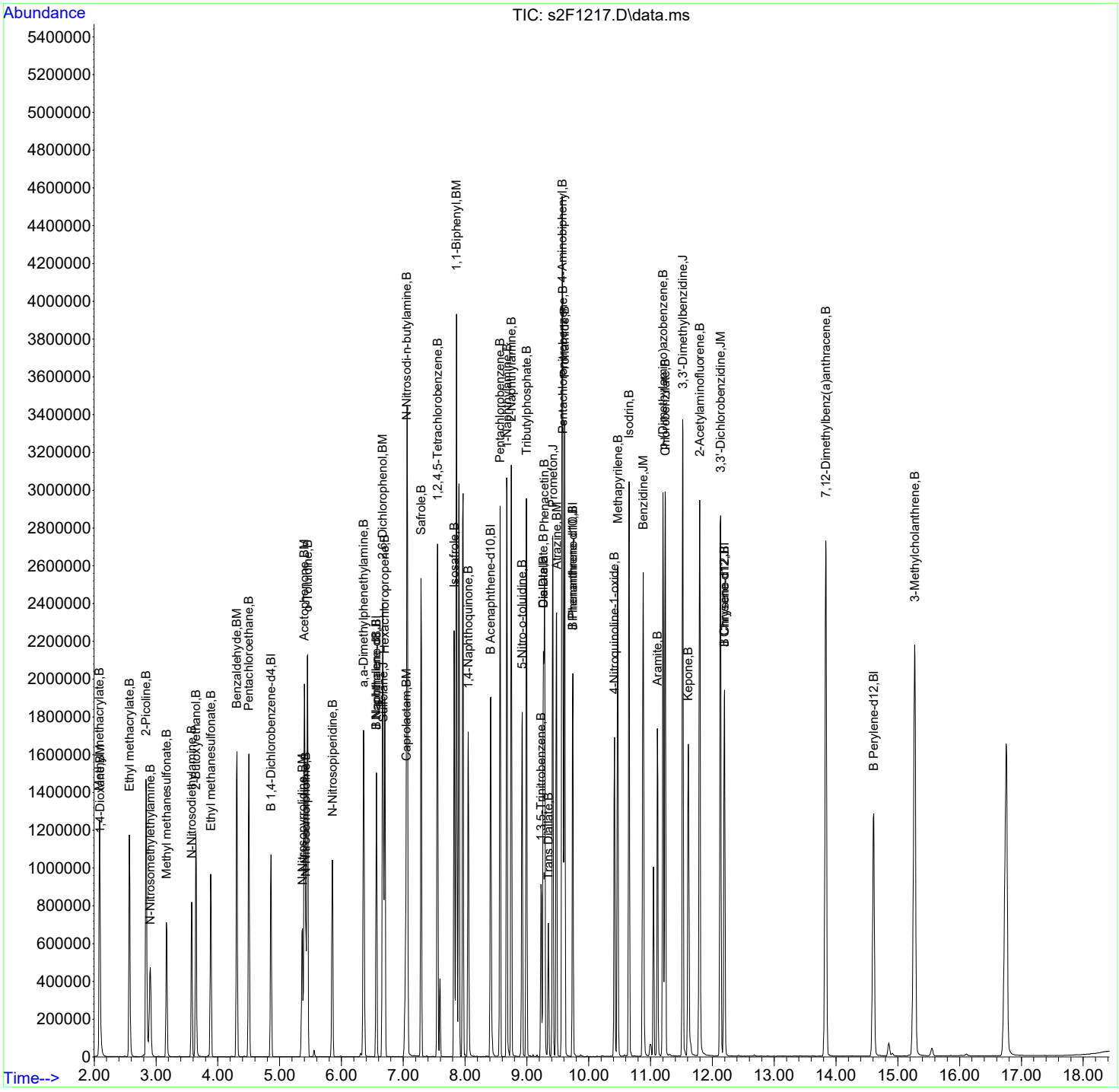
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.357	6.357	0.968	1293391	84.10	ng/uL	100
115) 2,6-Dichlorophenol	162	6.667	6.667	1.015	509020	82.35	ng/uL	99
116) Hexachloropropene	213	6.699	6.699	1.020	403680	81.21	ng/uL	100
117) Caprolactam	113	7.047	7.031	1.073	146589	84.18	ng/uL#	63
118) N-Nitrosodi-n-butylamine	116	7.057	7.058	1.075	109196	83.33	ng/uL	99
119) Safrole	162	7.287	7.288	1.110	457772	80.78	ng/uL	98
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	608185	79.21	ng/uL	100
122) 1,1-Biphenyl	154	7.860	7.860	0.934	1499397	79.76	ng/uL	100
123) Isosafrole	162	7.822	7.822	0.930	491968	82.24	ng/uL	100
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	418312	80.42	ng/uL	100
125) Pentachlorobenzene	250	8.566	8.566	1.018	564223	79.60	ng/uL	100
126) 1-Naphthylamine	143	8.678	8.673	1.032	1248882	81.94	ng/uL	100
127) 2-Naphthylamine	143	8.748	8.748	1.040	1277195	81.10	ng/uL	98
128) 5-Nitro-o-toluidine	152	8.924	8.919	1.061	358431	86.34	ng/uL	99
129) Tributylphosphate	99	8.994	8.994	1.069	1644286	85.09	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	185165	85.33	ng/uL	100
132) Phenacetin	108	9.282	9.277	0.953	675793	84.64	ng/uL	99
133) Diallate	86	9.266	9.267	0.951	382674	81.09	ng/uL	100
134) Cis Diallate	86	9.266	9.267	0.951	382674	68.92	ng/uL	100
135) Trans Diallate	86	9.347	9.347	0.959	133966	12.18	ng/uL	99
136) Atrazine	200	9.480	9.475	0.973	368430	79.19	ng/uL	99
137) 4-Aminobiphenyl	169	9.571	9.566	0.982	1586788	82.72	ng/uL	100
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	174738	81.89	ng/uL	99
139) Pronamide	173	9.609	9.609	0.986	669822	82.48	ng/uL	100
140) 4-Nitroquinoline-1-oxide	128	10.416	10.411	1.069	84596	69.35	ng/uL	95
141) Methapyrilene	97	10.470	10.470	1.075	711593	80.91	ng/uL	100
142) Isodrin	193	10.652	10.652	1.093	244169	81.10	ng/uL	99
144) Aramite	185	11.112	11.112	0.911	193287	83.77	ng/uL	98
145) Kepone	272	11.609	11.604	0.952	253166	82.12	ng/uL	100
146) p-(Dimethylamino)azobe...	225	11.203	11.203	0.918	410811	83.69	ng/uL	96
147) Chlorobenzilate	251	11.240	11.235	0.922	629458	80.90	ng/uL	98
148) 2-Acetylaminofluorene	181	11.796	11.786	0.967	897161	88.05	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	13.834	13.829	0.947	1022942	82.52	ng/uL	99
151) 3-Methylcholanthrene	269	15.273	15.262	1.045	269555	83.73	ng/uL	99
153) Sulfolane	56	6.678	6.667	1.017	190167	80.66	ng/uL	97
155) Prometon	210	9.421	9.416	0.967	337421	82.83	ng/uL	99
156) Benzidine	184	10.882	10.876	1.117	1518524	84.57	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	11.523	11.518	0.945	1529066	83.70	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.133	12.128	0.995	943263	83.32	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1217.D
Acq On : 12 Jun 2025 20:21
Operator : NM1
InstName : MSD2
Sample : |WBN250513-57|ICAL|1|SVM|1|A-6
Misc : |MIX[B,J]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 13 14:21:50 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



LL
06/20/2025

JCB
06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1218.D
Acq On : 12 Jun 2025 20:44
Operator : NM1
InstName : MSD2
Sample : |WBN250513-58|ICAL|1|SVM|1|A-7
Misc : |MIX[B,J]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 13 14:21:53 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	193645	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	725891	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	361071	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	734185	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	805441	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	801566	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	725891	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	734185	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	805441	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	5.555	5.613	0.846	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.089	2.094	0.430	230354	100.66	ng/uL	99
98) Methyl methacrylate	69	2.083	2.083	0.429	304974	100.62	ng/uL	99
99) Ethyl methacrylate	69	2.570	2.570	0.529	499964	100.18	ng/uL	100
100) 2-Picoline	93	2.837	2.843	0.584	665859	100.61	ng/uL	100
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	258017	100.74	ng/uL	99
102) Methyl methanesulfonate	80	3.169	3.169	0.652	332511	98.24	ng/uL	99
103) N-Nitrosodiethylamine	102	3.576	3.576	0.736	270816	101.57	ng/uL	99
104) 2-Butoxyethanol	57	3.645	3.645	0.750	583025	101.28	ng/uL	100
105) Ethyl methanesulfonate	79	3.886	3.880	0.800	479988	100.12	ng/uL	100
106) Benzaldehyde	77	4.308	4.303	0.887	461753	96.60	ng/uL	100
107) Pentachloroethane	167	4.501	4.501	0.926	271490	100.57	ng/uL	100
108) N-Nitrosopyrrolidine	100	5.367	5.357	1.105	305031	103.09	ng/uL	98
109) Acetophenone	105	5.399	5.399	1.111	886126	100.56	ng/uL	99
110) N-Nitrosomorpholine	56	5.421	5.415	1.116	296485	100.63	ng/uL	99
111) o-Toluidine	106	5.453	5.448	1.122	1008815	101.11	ng/uL	100
113) N-Nitrosopiperidine	114	5.854	5.849	0.892	313157	100.96	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1218.D
Acq On : 12 Jun 2025 20:44
Operator : NM1
InstName : MSD2
Sample : |WBN250513-58|ICAL|1|SVM|1|A-7
Misc : |MIX[B,J]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 13 14:21:53 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

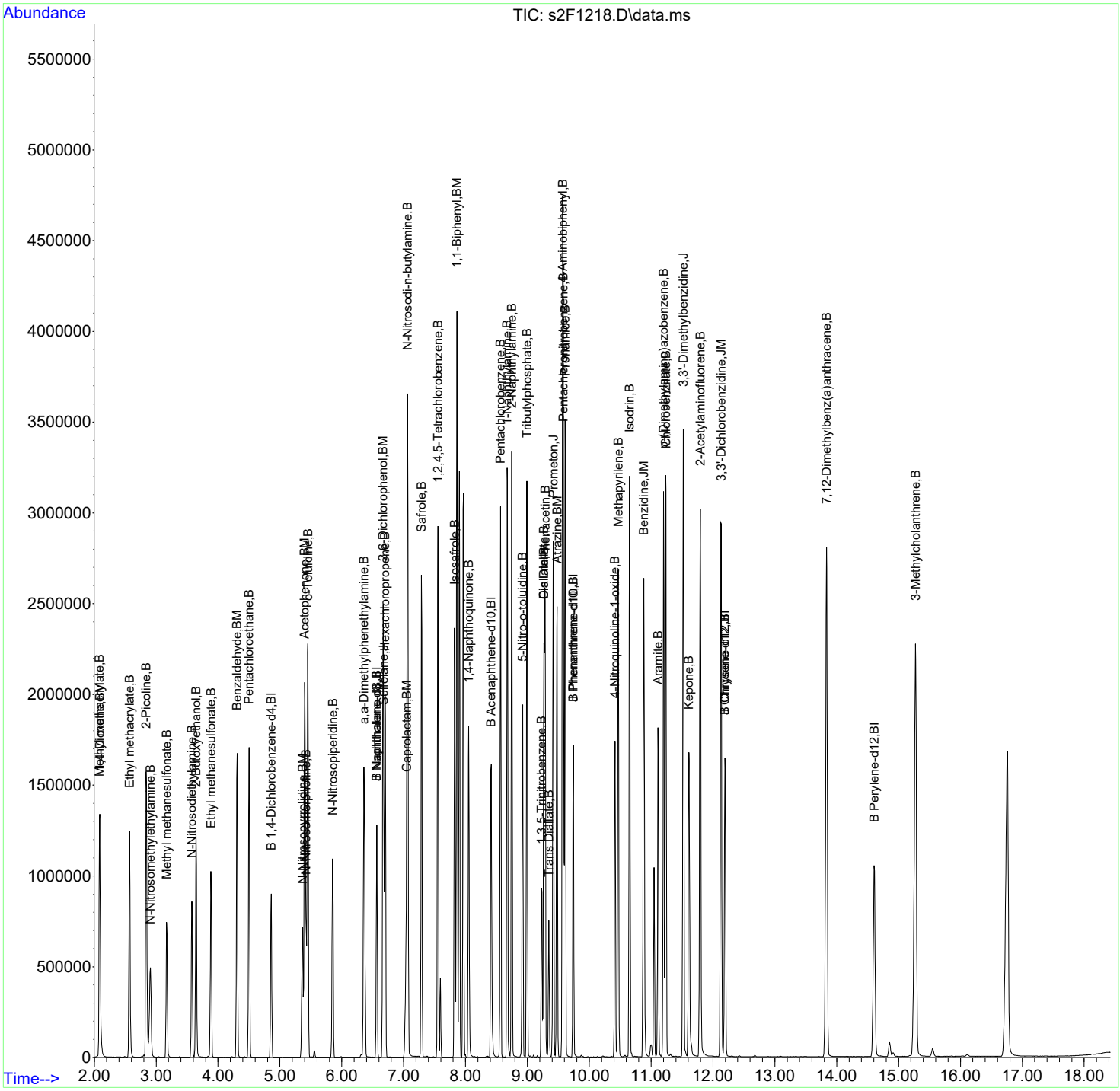
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.357	6.357	0.968	1371582	104.46	ng/uL	100
115) 2,6-Dichlorophenol	162	6.667	6.667	1.015	534562	101.29	ng/uL	100
116) Hexachloropropene	213	6.699	6.699	1.020	430531	101.44	ng/uL	98
117) Caprolactam	113	7.047	7.031	1.073	155721	104.74	ng/uL#	66
118) N-Nitrosodi-n-butylamine	116	7.063	7.058	1.076	115465	103.21	ng/uL	99
119) Safrole	162	7.287	7.288	1.110	486506	100.56	ng/uL	99
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	647863	99.87	ng/uL	100
122) 1,1-Biphenyl	154	7.860	7.860	0.934	1569098	98.80	ng/uL	99
123) Isosafrole	162	7.822	7.822	0.930	507114	100.34	ng/uL	99
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	439986	100.12	ng/uL	100
125) Pentachlorobenzene	250	8.566	8.566	1.018	594341	99.24	ng/uL	100
126) 1-Naphthylamine	143	8.673	8.673	1.031	1323612	102.79	ng/uL	99
127) 2-Naphthylamine	143	8.748	8.748	1.040	1358021	102.07	ng/uL	99
128) 5-Nitro-o-toluidine	152	8.924	8.919	1.061	379218	108.12	ng/uL	99
129) Tributylphosphate	99	8.994	8.994	1.069	1762498	107.96	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	196245	106.54	ng/uL	98
132) Phenacetin	108	9.288	9.277	0.953	700333	103.34	ng/uL	100
133) Diallate	86	9.266	9.267	0.951	404003	100.85	ng/uL	99
134) Cis Diallate	86	9.266	9.267	0.951	404003	85.73	ng/uL	99
135) Trans Diallate	86	9.347	9.347	0.959	140351	15.03	ng/uL	100
136) Atrazine	200	9.480	9.475	0.973	384637	97.40	ng/uL	100
137) 4-Aminobiphenyl	169	9.571	9.566	0.982	1658757	101.88	ng/uL	100
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	187621	103.58	ng/uL	98
139) Pronamide	173	9.609	9.609	0.986	705950	102.42	ng/uL	99
140) 4-Nitroquinoline-1-oxide	128	10.416	10.411	1.069	82733	79.90	ng/uL	92
141) Methapyrilene	97	10.470	10.470	1.075	723529	96.92	ng/uL	100
142) Isodrin	193	10.652	10.652	1.093	255537	100.00	ng/uL	99
144) Aramite	185	11.112	11.112	0.911	202840	104.67	ng/uL	98
145) Kepone	272	11.609	11.604	0.952	265418	102.52	ng/uL	100
146) p-(Dimethylamino)azobe...	225	11.203	11.203	0.919	427808	103.77	ng/uL	97
147) Chlorobenzilate	251	11.240	11.235	0.922	667690	102.19	ng/uL	98
148) 2-Acetylaminofluorene	181	11.796	11.786	0.968	928219	108.48	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	13.834	13.829	0.947	1055265	104.05	ng/uL	99
151) 3-Methylcholanthrene	269	15.273	15.262	1.046	277745	105.45	ng/uL	99
153) Sulfolane	56	6.678	6.667	1.017	198745	98.74	ng/uL	97
155) Prometon	210	9.422	9.416	0.967	350323	101.32	ng/uL	99
156) Benzidine	184	10.882	10.876	1.117	1556356	102.11	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	11.524	11.518	0.945	1567051	102.14	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.133	12.128	0.995	979722	103.05	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1218.D
Acq On : 12 Jun 2025 20:44
Operator : NM1
InstName : MSD2
Sample : |WBN250513-58|ICAL|1|SVM|1|A-7
Misc : |MIX[B,J]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 13 14:21:53 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1219.D
Acq On : 12 Jun 2025 21:06
Operator : NM1
InstName : MSD2
Sample : |WBN250513-59|ICAL|1|SVM|1|A-8
Misc : |MIX[B,J]
ALS Vial : 19 Sample Multiplier: 1

JCB 06/20/2025

Quant Time: Jun 13 14:21:56 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.743	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.198	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	188252	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	708495	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	355312	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.743	9.743	1.000	716329	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.198	12.192	1.000	800974	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	794259	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	708495	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.743	9.743	1.000	716329	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.198	12.192	1.000	800974	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.743	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.198	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	5.555	5.613	0.846	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	269725	121.24	ng/uL	100 A
98) Methyl methacrylate	69	2.083	2.083	0.429	359912	122.14	ng/uL	99 A
99) Ethyl methacrylate	69	2.570	2.570	0.529	587468	121.08	ng/uL	100 A
100) 2-Picoline	93	2.837	2.843	0.584	778316	120.97	ng/uL	99 A
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	305749	122.80	ng/uL	99 A
102) Methyl methanesulfonate	80	3.169	3.169	0.652	387623	117.80	ng/uL	99
103) N-Nitrosodiethylamine	102	3.581	3.576	0.737	319830	123.39	ng/uL	99 A
104) 2-Butoxyethanol	57	3.645	3.645	0.750	689319	123.17	ng/uL	99 A
105) Ethyl methanesulfonate	79	3.886	3.880	0.800	560734	120.32	ng/uL	99 A
106) Benzaldehyde	77	4.308	4.303	0.887	533725	114.86	ng/uL	100
107) Pentachloroethane	167	4.501	4.501	0.926	320561	122.15	ng/uL	99 A
108) N-Nitrosopyrrolidine	100	5.367	5.357	1.105	361026	125.51	ng/uL	99 A
109) Acetophenone	105	5.405	5.399	1.112	1052725	122.88	ng/uL	99 A
110) N-Nitrosomorpholine	56	5.426	5.415	1.117	353098	123.27	ng/uL	99 A
111) o-Toluidine	106	5.453	5.448	1.122	1188827	122.56	ng/uL	100 A
113) N-Nitrosopiperidine	114	5.854	5.849	0.892	370309	122.32	ng/uL	99 A

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1219.D
Acq On : 12 Jun 2025 21:06
Operator : NM1
InstName : MSD2
Sample : |WBN250513-59|ICAL|1|SVM|1|A-8
Misc : |MIX[B,J]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 14:21:56 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

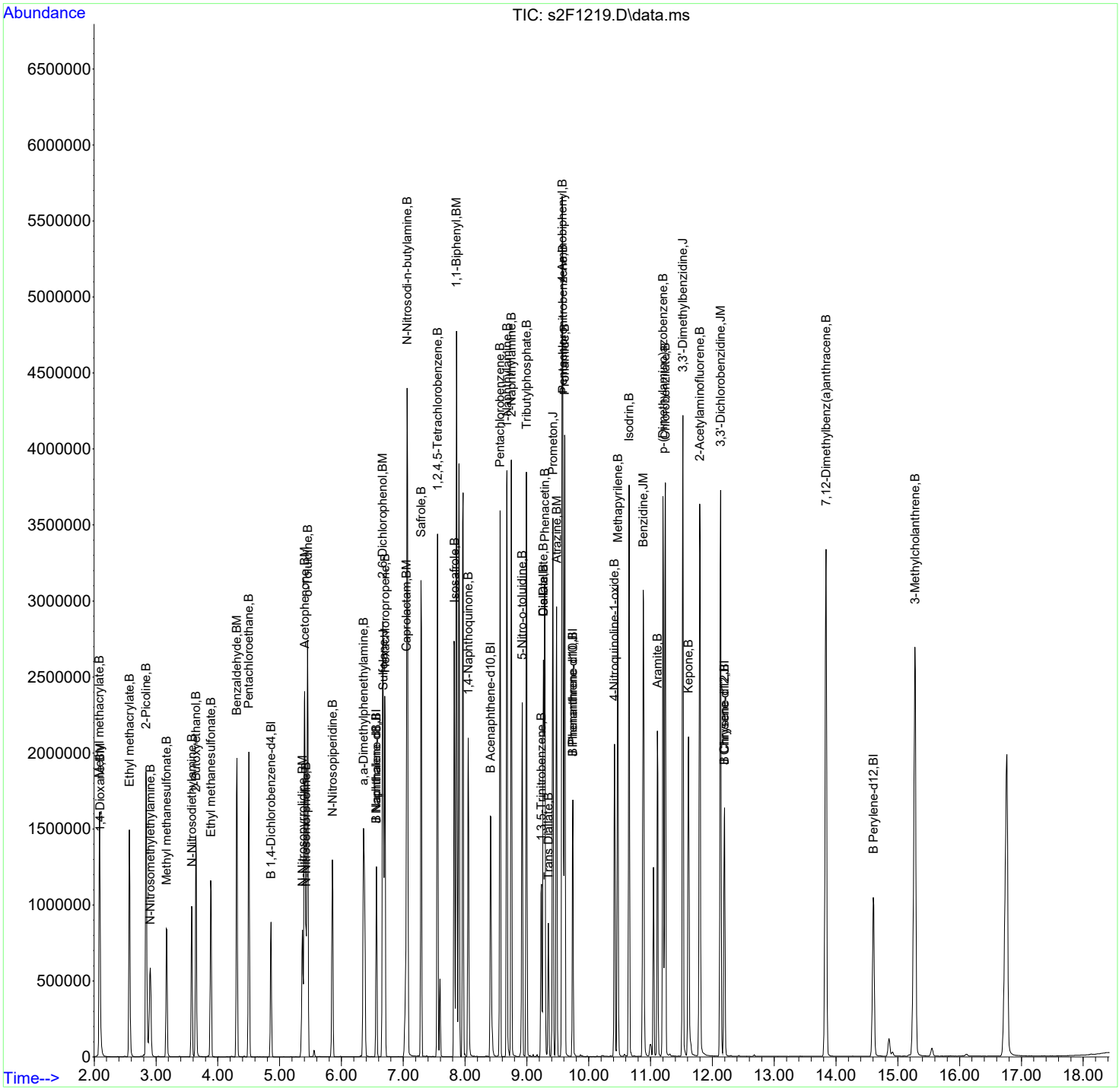
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
114)	a,a-Dimethylphenethyla...	58	6.357	6.357	0.968	1641712	128.11	ng/uL	100	A
115)	2,6-Dichlorophenol	162	6.667	6.667	1.015	637775	123.82	ng/uL	100	A
116)	Hexachloropropene	213	6.705	6.699	1.021	505815	122.11	ng/uL	99	A
117)	Caprolactam	113	7.052	7.031	1.074	189063	130.29	ng/uL#	65	A
118)	N-Nitrosodi-n-butylamine	116	7.063	7.058	1.076	136357	124.88	ng/uL	99	A
119)	Safrole	162	7.288	7.288	1.110	568771	120.45	ng/uL	98	A
121)	1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	762809	119.49	ng/uL	99	
122)	1,1-Biphenyl	154	7.860	7.860	0.934	1862459	119.17	ng/uL	100	
123)	Isosafrole	162	7.828	7.822	0.931	609420	122.53	ng/uL	100	A
124)	1,4-Naphthoquinone	158	8.052	8.052	0.957	512291	118.46	ng/uL	100	
125)	Pentachlorobenzene	250	8.566	8.566	1.018	706337	119.86	ng/uL	99	
126)	1-Naphthylamine	143	8.678	8.673	1.032	1565058	123.51	ng/uL	99	A
127)	2-Naphthylamine	143	8.748	8.748	1.040	1611401	123.07	ng/uL	99	A
128)	5-Nitro-o-toluidine	152	8.924	8.919	1.061	456602	132.29	ng/uL	98	A
129)	Tributylphosphate	99	8.994	8.994	1.069	2112900	131.52	ng/uL	100	A
131)	1,3,5-Trinitrobenzene	74	9.234	9.229	0.948	234497	130.48	ng/uL	99	A
132)	Phenacetin	108	9.288	9.277	0.953	844351	127.70	ng/uL	100	A
133)	Diallate	86	9.267	9.267	0.951	478797	122.50	ng/uL#	81	A
134)	Cis Diallate	86	9.267	9.267	0.951	478797	104.13	ng/uL#	81	A
135)	Trans Diallate	86	9.347	9.347	0.959	167642	18.40	ng/uL	99	A
136)	Atrazine	200	9.480	9.475	0.973	455507	118.22	ng/uL	99	
137)	4-Aminobiphenyl	169	9.571	9.566	0.982	1959244	123.33	ng/uL	100	A
138)	Pentachloronitrobenzene	237	9.582	9.582	0.984	222539	125.93	ng/uL	98	A
139)	Pronamide	173	9.614	9.609	0.987	847990	126.09	ng/uL	100	A
140)	4-Nitroquinoline-1-oxide	128	10.416	10.411	1.069	91080	90.15	ng/uL	90	
141)	Methapyrilene	97	10.470	10.470	1.075	852218	117.01	ng/uL	99	
142)	Isodrin	193	10.652	10.652	1.093	302139	121.18	ng/uL	99	A
144)	Aramite	185	11.112	11.112	0.911	241819	125.48	ng/uL	97	A
145)	Kepone	272	11.615	11.604	0.952	314631	122.21	ng/uL	100	A
146)	p-(Dimethylamino)azobe...	225	11.203	11.203	0.918	512395	124.98	ng/uL	96	A
147)	Chlorobenzilate	251	11.240	11.235	0.922	800806	123.24	ng/uL	99	A
148)	2-Acetylaminofluorene	181	11.796	11.786	0.967	1135495	133.44	ng/uL	100	A
150)	7,12-Dimethylbenz(a)an...	256	13.840	13.829	0.948	1266459	126.02	ng/uL	99	A
151)	3-Methylcholanthrene	269	15.278	15.262	1.046	334437	128.14	ng/uL	100	A
153)	Sulfolane	56	6.678	6.667	1.017	232578	118.38	ng/uL	98	
155)	Prometon	210	9.422	9.416	0.967	418337	124.01	ng/uL	99	A
156)	Benzidine	184	10.882	10.876	1.117	1875715	126.13	ng/uL	100	A
158)	3,3'-Dimethylbenzidine	212	11.524	11.518	0.945	1863740	122.15	ng/uL	99	A
159)	3,3'-Dichlorobenzidine	252	12.133	12.128	0.995	1167267	123.46	ng/uL	100	A

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1219.D
Acq On : 12 Jun 2025 21:06
Operator : NM1
InstName : MSD2
Sample : |WBN250513-59|ICAL|1|SVM|1|A-8
Misc : |MIX[B,J]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 14:21:56 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSD2.I **Injection Date:** 12-JUN-25 21:48

Data File: s061225_ICAL.s\s2F1221.D **Init. Cal. Date(s)** 12-JUN-25 14:19 - 13-JUN-25 02:18

Lab Sample ID WBN250501-54 **Method:** s061225_ICAL.s\MSD2_8270_061225.m

Quant Type ISTD **Method Update:** 13-JUN-25 14:20

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
a,a-Dimethylphenethylamine	0.7235	0.71172		.01		-1.6282	30		Averaged

LL
06/20/2025

JCB
06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1221.D
Acq On : 12 Jun 2025 21:48
Operator : NM1
InstName : MSD2
Sample : |WBN250501-54|ICV|1|SVM|1|A-ICV
Misc : |MIX[B,J]
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 20 14:47:40 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	205443	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	759481	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	377869	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	781448	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	836781	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.604	14.604	1.000	862024	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	205443	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	759581	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	377869	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	781448	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	836781	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.604	14.610	1.000	866221	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	759581	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	781448	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	836781	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	759581	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	377869	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	781448	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	836781	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	759581	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.604	14.620	1.000	866221	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.094	2.094	0.431	99766	41.09	ng/uL	99
98) Methyl methacrylate	69	2.083	2.083	0.429	137197	42.66	ng/uL	99
99) Ethyl methacrylate	69	2.570	2.570	0.529	218032	41.18	ng/uL	98
100) 2-Picoline	93	2.843	2.843	0.585	252438	35.95	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.907	2.907	0.598	108960	40.10	ng/uL	99
102) Methyl methanesulfonate	80	3.169	3.169	0.652	123638	34.43	ng/uL	99
103) N-Nitrosodiethylamine	102	3.575	3.576	0.736	115314	40.76	ng/uL	99
104) 2-Butoxyethanol	57	3.645	3.645	0.750	230966	37.82	ng/uL	100
105) Ethyl methanesulfonate	79	3.880	3.880	0.799	208605	41.01	ng/uL	98
106) Benzaldehyde	77	4.303	4.303	0.886	238122	46.96	ng/uL	100
107) Pentachloroethane	167	4.501	4.501	0.926	121081	42.28	ng/uL	99
108) N-Nitrosopyrrolidine	100	5.357	5.357	1.102	131612	41.93	ng/uL	100
109) Acetophenone	105	5.399	5.399	1.111	393075	42.04	ng/uL	100
110) N-Nitrosomorpholine	56	5.415	5.415	1.114	128034	40.96	ng/uL	100
111) o-Toluidine	106	5.447	5.448	1.121	434877	41.08	ng/uL	100
113) N-Nitrosopiperidine	114	5.849	5.849	0.891	132221	40.74	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1221.D
Acq On : 12 Jun 2025 21:48
Operator : NM1
InstName : MSD2
Sample : |WBN250501-54|ICV|1|SVM|1|A-ICV
Misc : |MIX[B,J]
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 20 14:47:40 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

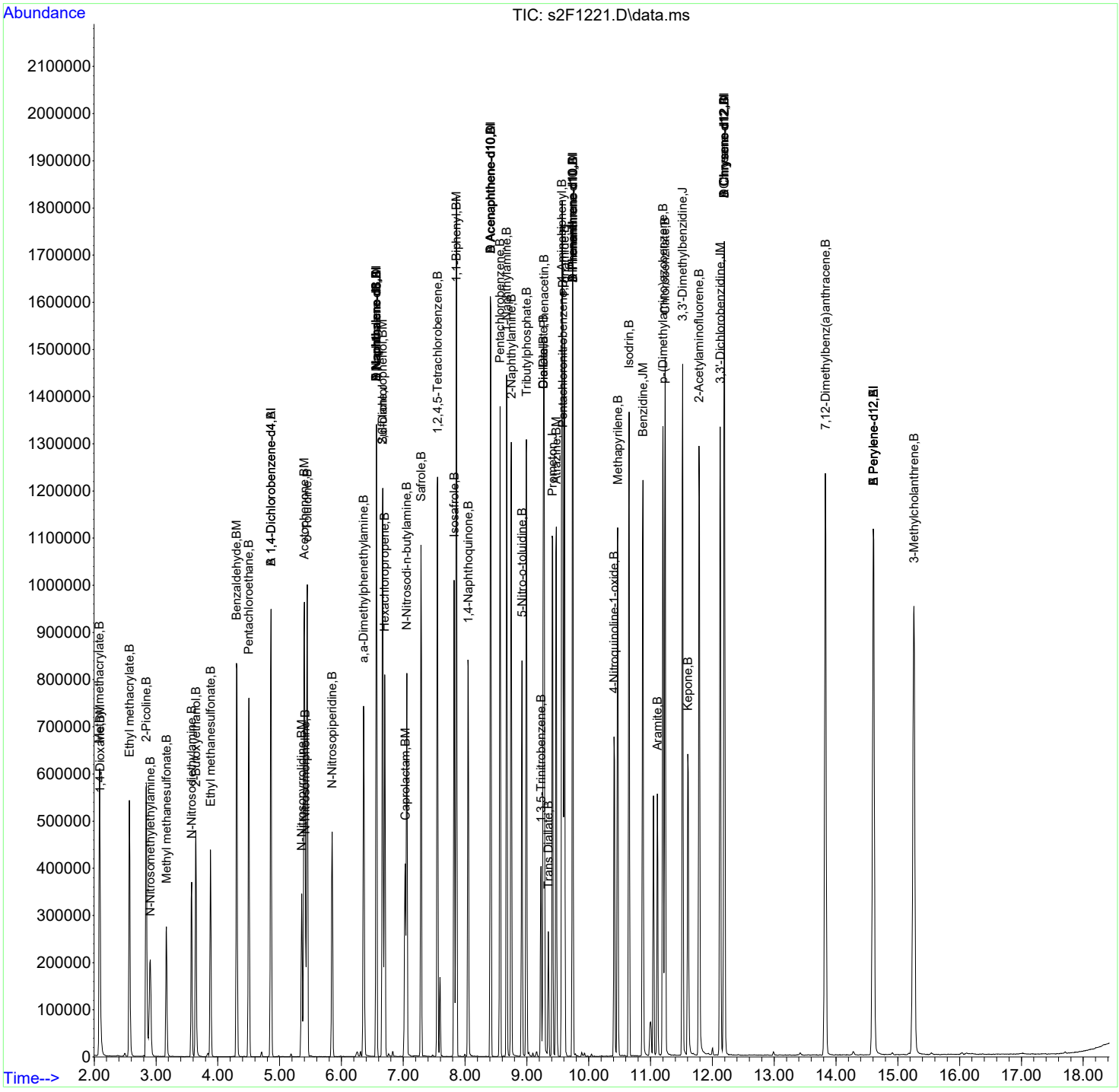
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.357	6.357	0.968	540609	39.35	ng/uL	100
115) 2,6-Dichlorophenol	162	6.667	6.667	1.015	235866	42.71	ng/uL	99
116) Hexachloropropene	213	6.699	6.699	1.020	169743	38.22	ng/uL	99
117) Caprolactam	113	7.031	7.031	1.071	63942	41.10	ng/uL	98
118) N-Nitrosodi-n-butylamine	116	7.057	7.058	1.075	47562	40.63	ng/uL	99
119) Safrole	162	7.287	7.288	1.110	195266	38.57	ng/uL	99
121) 1,2,4,5-Tetrachloroben...	216	7.555	7.555	0.898	284243	41.87	ng/uL	100
122) 1,1-Biphenyl	154	7.860	7.860	0.934	695488	41.84	ng/uL	99
123) Isosafrole	162	7.822	7.822	0.930	212966	40.26	ng/uL	99
124) 1,4-Naphthoquinone	158	8.052	8.052	0.957	202419	44.01	ng/uL	99
125) Pentachlorobenzene	250	8.566	8.566	1.018	271623	43.34	ng/uL	99
126) 1-Naphthylamine	143	8.673	8.673	1.031	557101	41.34	ng/uL	100
127) 2-Naphthylamine	143	8.748	8.748	1.040	557876	40.07	ng/uL	100
128) 5-Nitro-o-toluidine	152	8.919	8.919	1.060	153250	41.75	ng/uL	99
129) Tributylphosphate	99	8.994	8.994	1.069	751894	44.01	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.947	80745	41.18	ng/uL	98
132) Phenacetin	108	9.277	9.277	0.952	308092	42.71	ng/uL	100
133) Diallate	86	9.266	9.267	0.951	187960	44.08	ng/uL	99
134) Cis Diallate	86	9.266	9.267	0.951	187960	37.47	ng/uL	99
135) Trans Diallate	86	9.347	9.347	0.959	50352	5.07	ng/uL	100
136) Atrazine	200	9.475	9.475	0.973	165523	39.38	ng/uL	98
137) 4-Aminobiphenyl	169	9.566	9.566	0.982	670758	38.70	ng/uL	100
138) Pentachloronitrobenzene	237	9.582	9.582	0.984	83903	43.52	ng/uL	98
139) Pronamide	173	9.609	9.609	0.986	313308	42.71	ng/uL	100
140) 4-Nitroquinoline-1-oxide	128	10.411	10.411	1.069	45643	41.41	ng/uL	97
141) Methapyrilene	97	10.470	10.470	1.075	302286	38.05	ng/uL	100
142) Isodrin	193	10.652	10.652	1.093	110616	40.67	ng/uL	100
144) Aramite	185	11.112	11.112	0.911	61441	30.52	ng/uL	98
145) Kepone	272	11.604	11.604	0.952	94167	35.01	ng/uL	99
146) p-(Dimethylamino)azobe...	225	11.203	11.203	0.919	194114	45.32	ng/uL	99
147) Chlorobenzilate	251	11.235	11.235	0.921	301440	44.41	ng/uL	99
148) 2-Acetylaminofluorene	181	11.786	11.786	0.967	382793	43.06	ng/uL	100
150) 7,12-Dimethylbenz(a)an...	256	13.829	13.829	0.947	447507	40.83	ng/uL	99
151) 3-Methylcholanthrene	269	15.262	15.262	1.045	115450	40.56	ng/uL	98
153) Sulfolane	56	6.667	6.667	1.015	81413	38.65	ng/uL	98
155) Prometon	210	9.416	9.416	0.967	135051	36.70	ng/uL	100
156) Benzidine	184	10.876	10.876	1.116	607849	37.47	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	11.518	11.518	0.945	632756	39.70	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.128	12.128	0.995	414108	41.92	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1221.D
Acq On : 12 Jun 2025 21:48
Operator : NM1
InstName : MSD2
Sample : |WBN250501-54|ICV|1|SVM|1|A-ICV
Misc : |MIX[B,J]
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 20 14:47:40 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



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Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1230.D
Acq On : 13 Jun 2025 00:43
Operator : NM1
InstName : MSD2
Sample : |WBN250602-31.1|ICAL|1|SVM|1|H-2
Misc : |MIX[E]
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 13 14:22:26 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

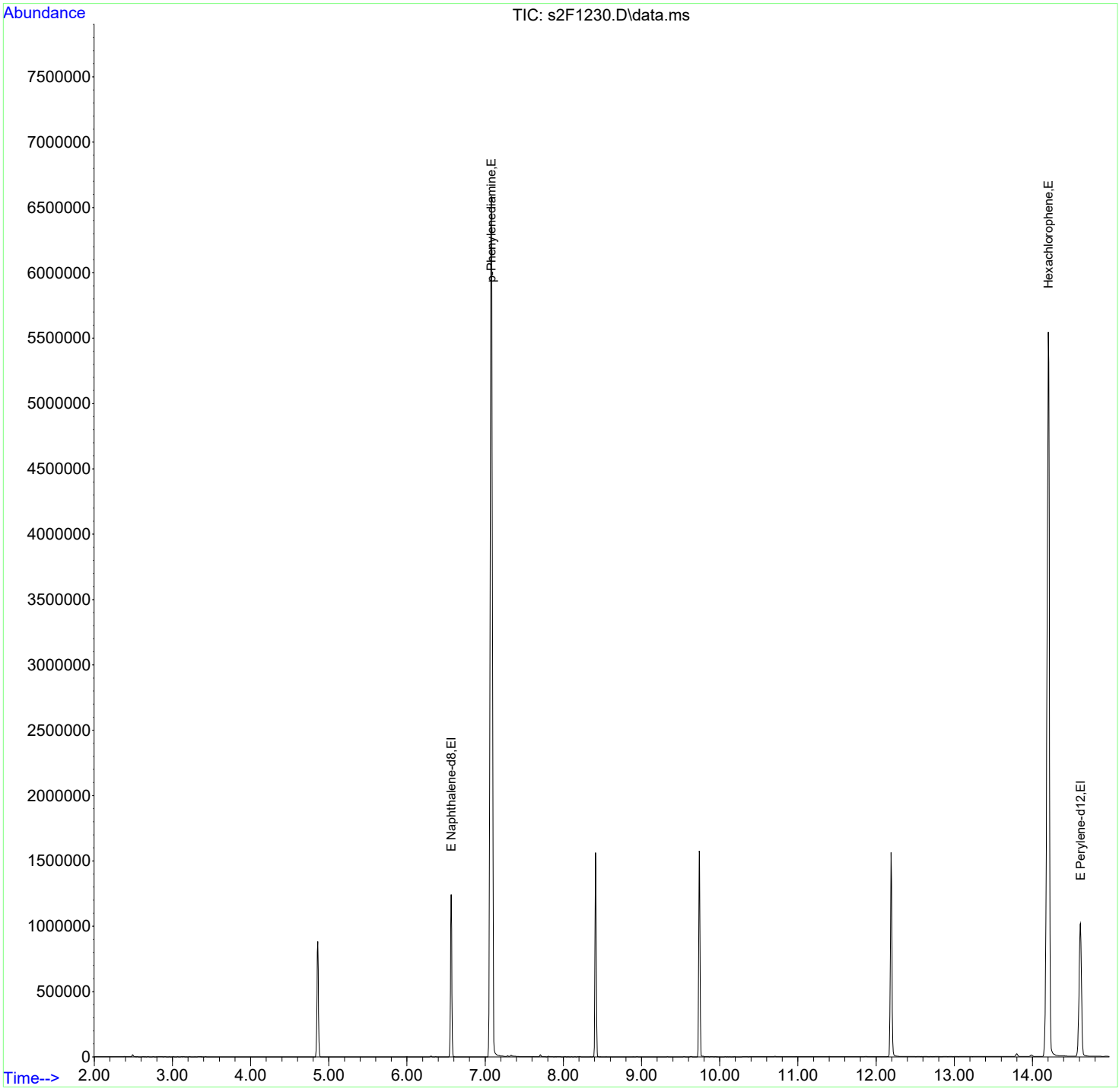
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.737	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.615	14.604	1.000	0m	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.737	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.615	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.737	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.737	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	718152	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.615	14.620	1.000	806726	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	7.079	7.088	1.078	4557978	489.97	ng/uL	99
176) Hexachlorophene	196	14.203	14.219	0.972	1032487	490.45	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1230.D
Acq On : 13 Jun 2025 00:43
Operator : NM1
InstName : MSD2
Sample : |WBN250602-31.1|ICAL|1|SVM|1|H-2
Misc : |MIX[E]
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 13 14:22:26 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



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Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1231.D
Acq On : 13 Jun 2025 01:02
Operator : NM1
InstName : MSD2
Sample : |WBN250602-32|ICAL|1|SVM|1|H-3
Misc : |MIX[E]
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 13 14:22:29 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

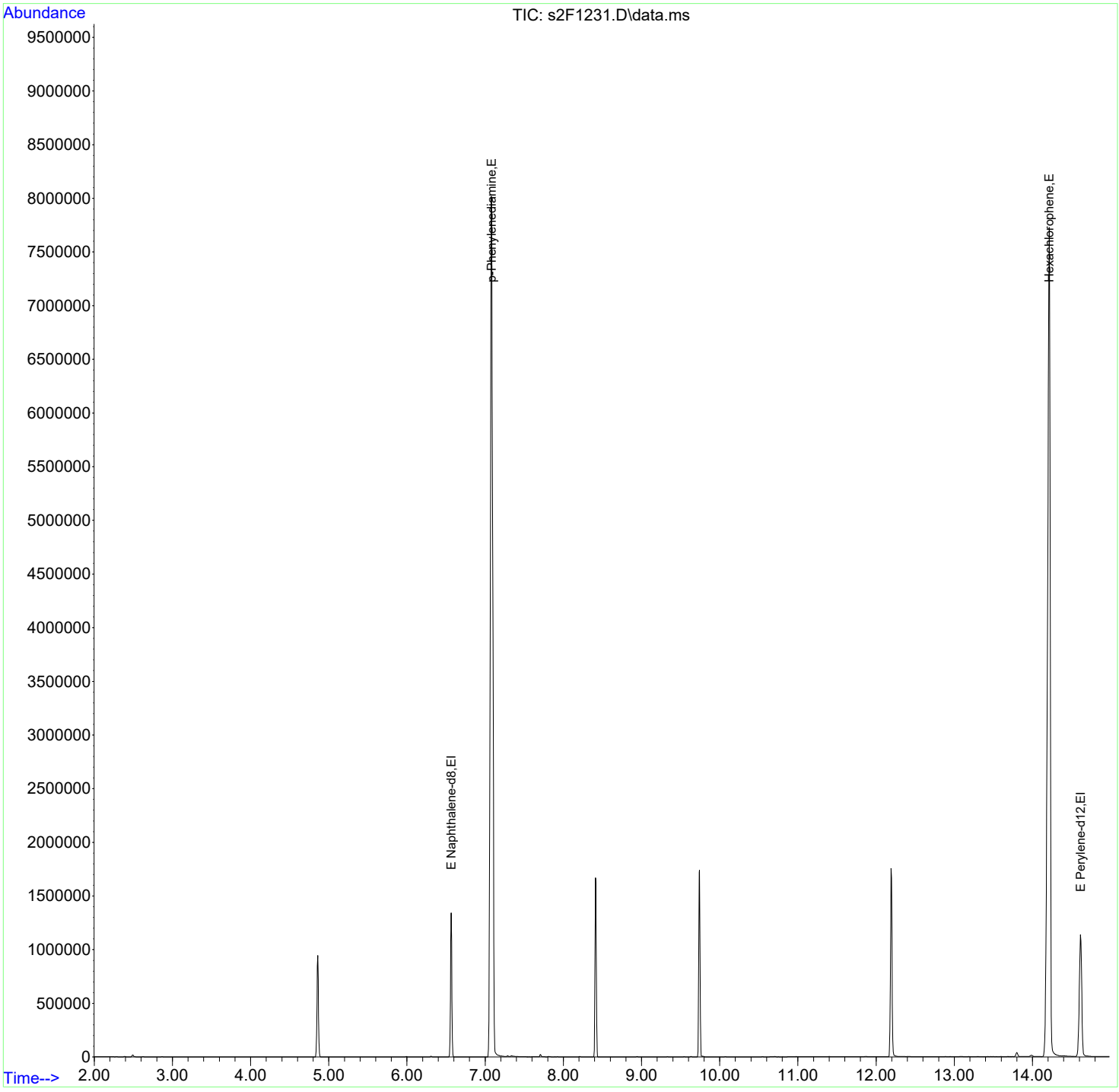
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.615	14.604	1.000	0m	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.615	14.610	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	781091	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.615	14.620	1.000	894659	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	7.082	7.088	1.079	6018925	594.88	ng/uL	100
176) Hexachlorophene	196	14.214	14.219	0.973	1589377	608.87	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1231.D
Acq On : 13 Jun 2025 01:02
Operator : NM1
InstName : MSD2
Sample : |WBN250602-32|ICAL|1|SVM|1|H-3
Misc : |MIX[E]
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 13 14:22:29 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



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Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1232.D
Acq On : 13 Jun 2025 01:21
Operator : NM1
InstName : MSD2
Sample : |WBN250602-33|ICAL|1|SVM|1|H-4
Misc : |MIX[E]
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 13 14:22:32 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

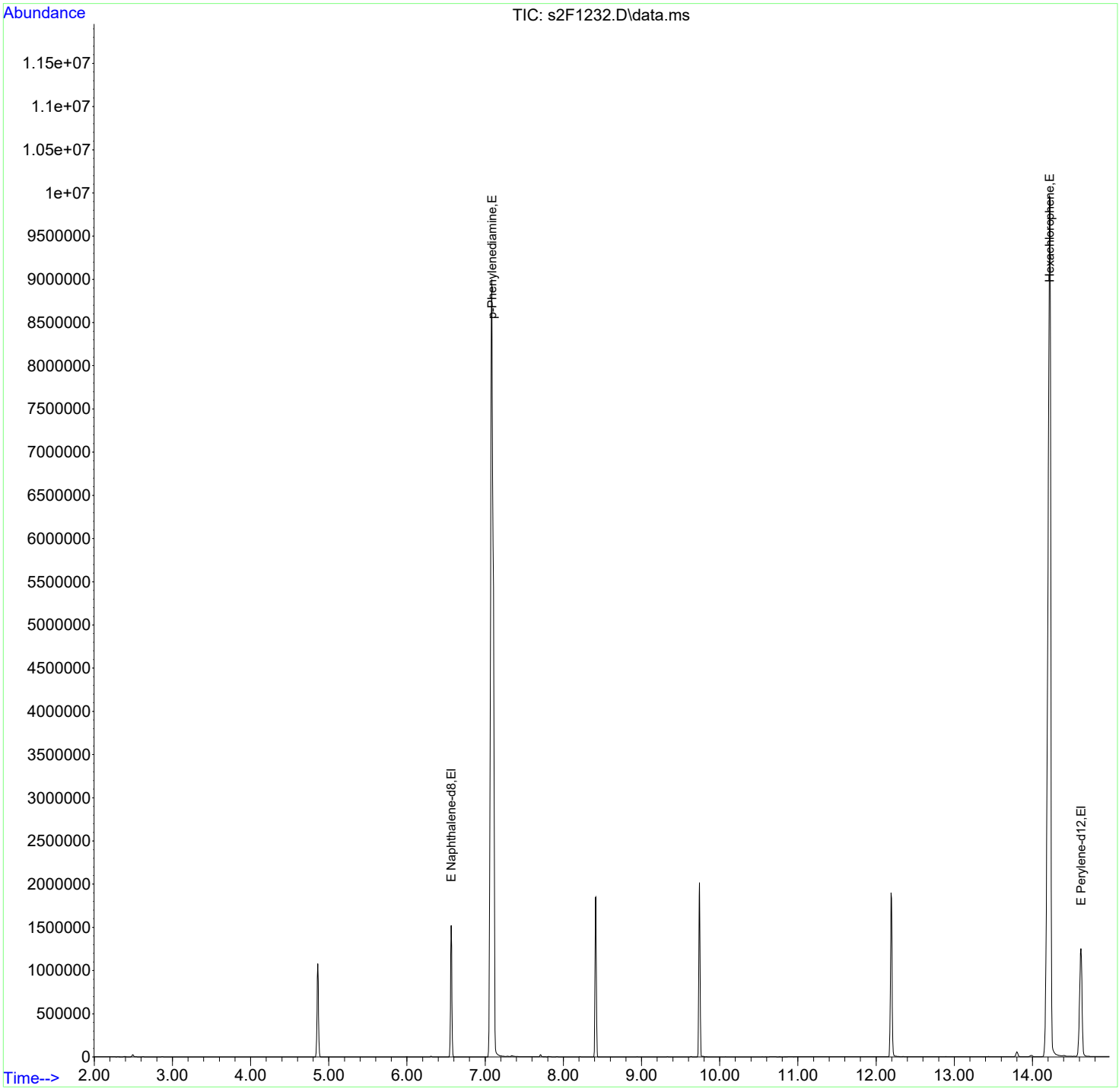
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.620	14.604	1.000	0m	40.00	ng/uL	0.02
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.620	14.610	1.000	0m	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	878186	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.620	14.620	1.000	1001824	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	7.811	7.758	0.929	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	7.088	7.088	1.080	7947149	698.62	ng/uL	100
176) Hexachlorophene	196	14.219	14.219	0.973	2209929	711.25	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1232.D
Acq On : 13 Jun 2025 01:21
Operator : NM1
InstName : MSD2
Sample : |WBN250602-33|ICAL|1|SVM|1|H-4
Misc : |MIX[E]
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 13 14:22:32 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



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Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1233.D
Acq On : 13 Jun 2025 01:40
Operator : NM1
InstName : MSD2
Sample : |WBN250602-34|ICAL|1|SVM|1|H-5
Misc : |MIX[E]
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 13 14:22:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

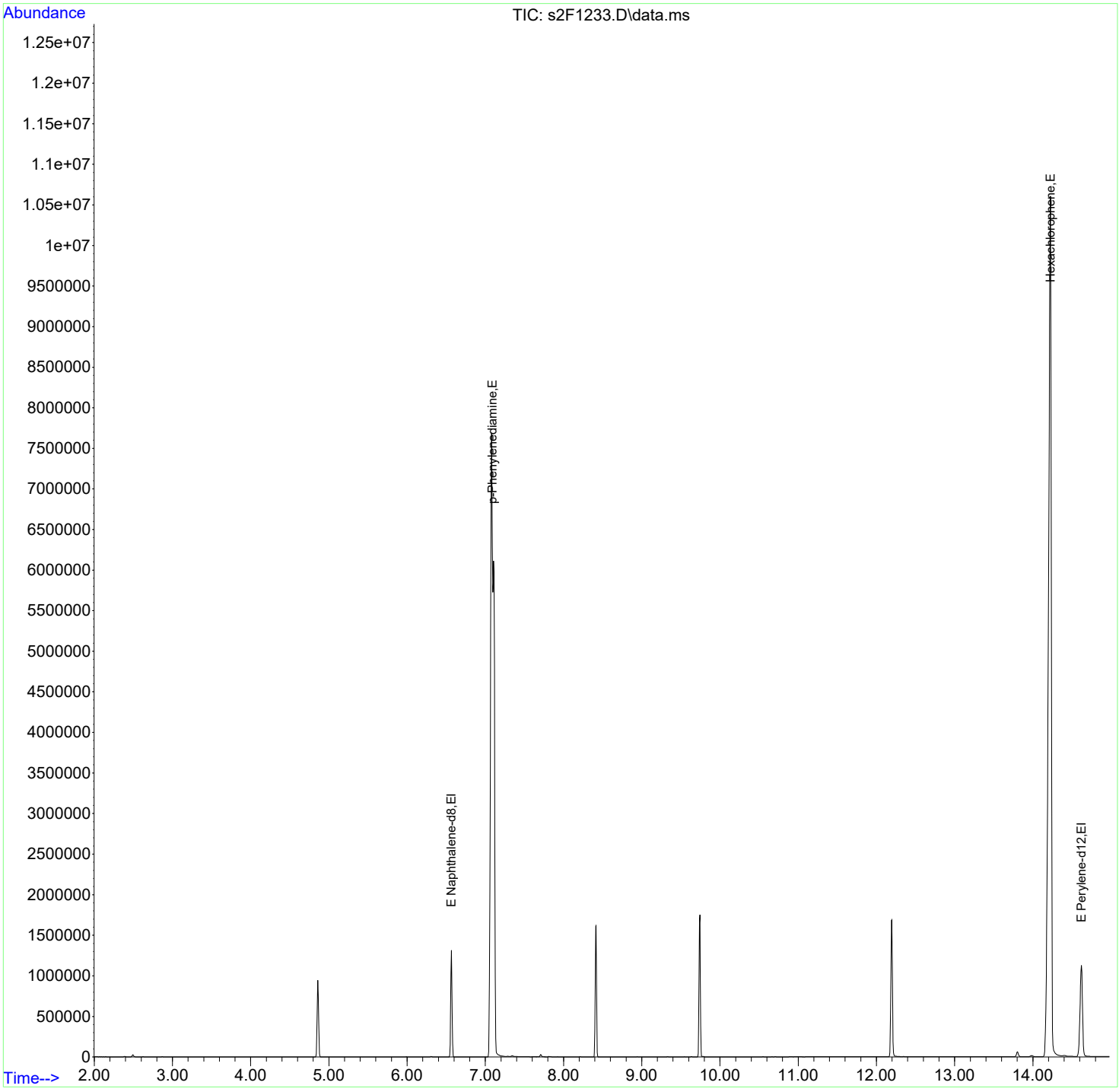
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.197	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.620	14.604	1.000	0m	40.00	ng/uL	0.02
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.620	14.610	1.000	0m	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.197	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	762440	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.620	14.620	1.000	892746	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	7.812	7.758	0.929	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	7.091	7.088	1.080	8074980	817.62	ng/uL	100
176) Hexachlorophene	196	14.225	14.219	0.973	2333719	808.57	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1233.D
Acq On : 13 Jun 2025 01:40
Operator : NM1
InstName : MSD2
Sample : |WBN250602-34|ICAL|1|SVM|1|H-5
Misc : |MIX[E]
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 13 14:22:35 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



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Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1234.D
Acq On : 13 Jun 2025 01:59
Operator : NM1
InstName : MSD2
Sample : |WBN250602-35|ICAL|1|SVM|1|H-6
Misc : |MIX[E]
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 13 14:22:38 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

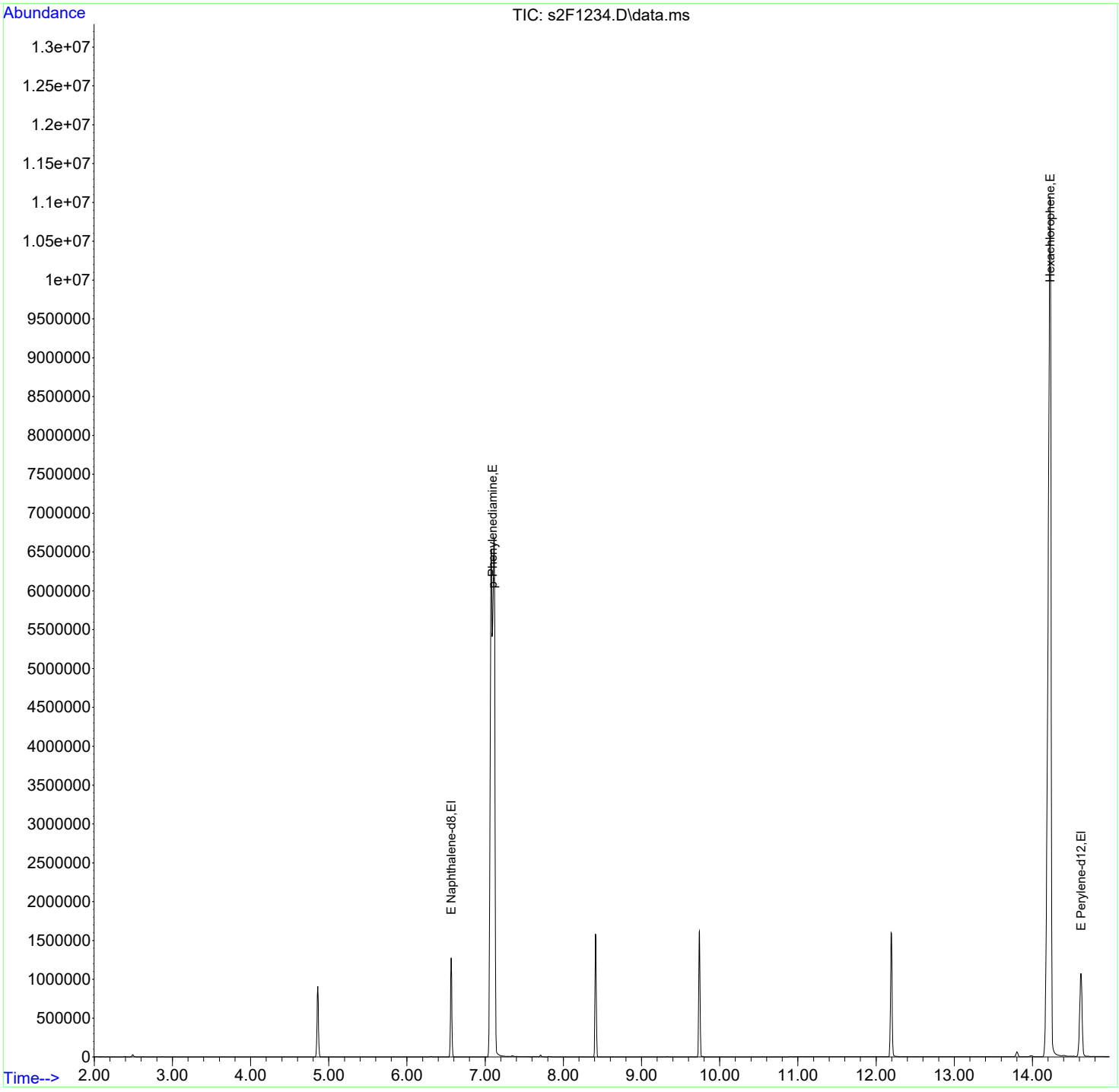
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.566	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.743	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.621	14.604	1.000	0m	40.00	ng/uL	0.02
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.566	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.743	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.621	14.610	1.000	0m	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	6.566	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.743	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.566	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.743	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.566	6.565	1.000	738486	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.621	14.620	1.000	845308	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	7.812	7.758	0.929	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	7.095	7.088	1.081	8683906	907.79	ng/uL	100
176) Hexachlorophene	196	14.225	14.219	0.973	2524834	897.45	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1234.D
Acq On : 13 Jun 2025 01:59
Operator : NM1
InstName : MSD2
Sample : |WBN250602-35|ICAL|1|SVM|1|H-6
Misc : |MIX[E]
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 13 14:22:38 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



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Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1235.D
Acq On : 13 Jun 2025 02:18
Operator : NM1
InstName : MSD2
Sample : |WBN250602-37|ICAL|1|SVM|1|H-7
Misc : |MIX[E]
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 13 14:22:41 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

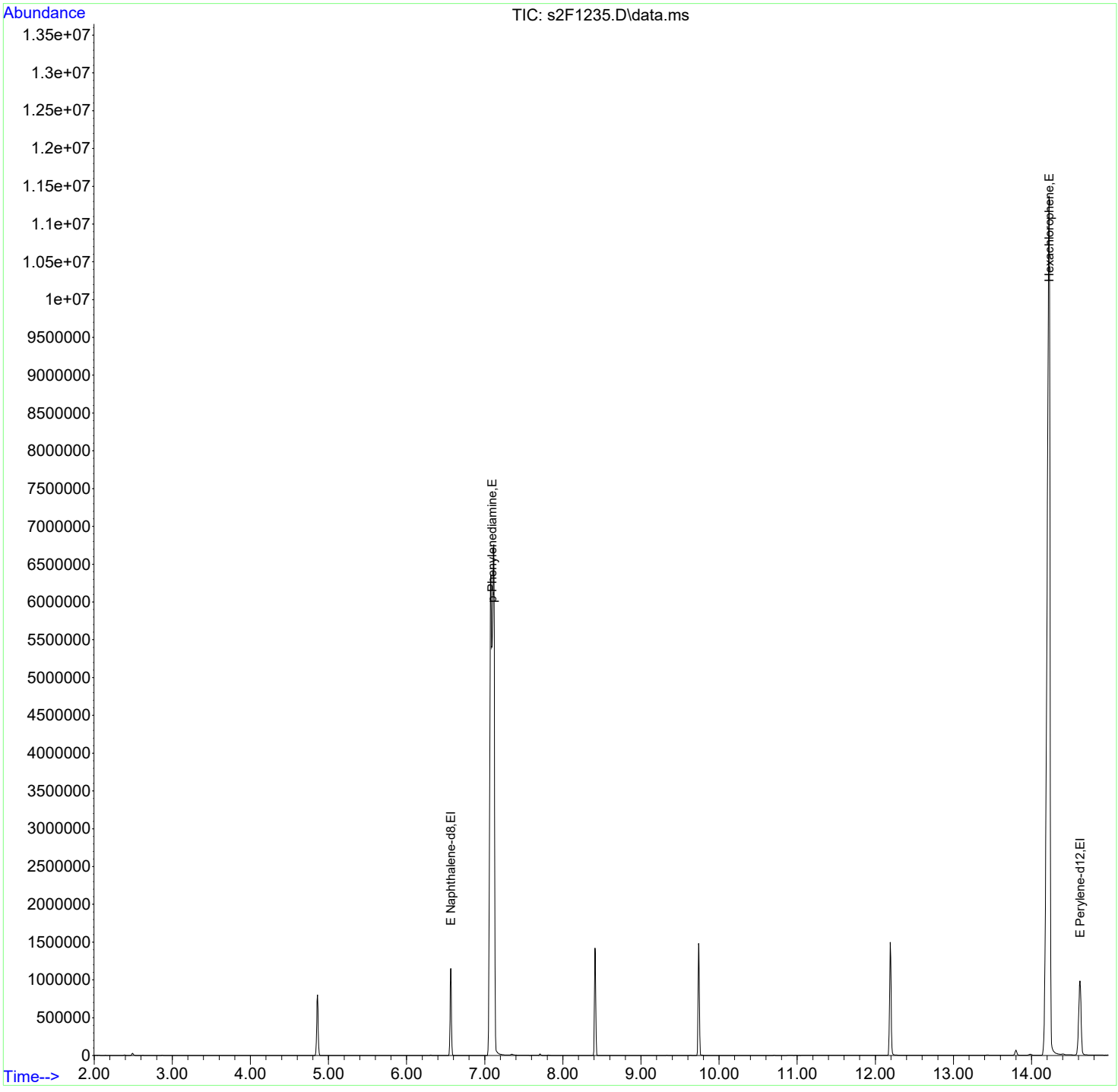
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.737	9.742	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.620	14.604	1.000	0m	40.00	ng/uL	0.02
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.737	9.743	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.620	14.610	1.000	0m	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.737	9.743	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.737	9.742	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	663559	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.620	14.620	1.000	772175	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	7.095	7.088	1.081	8594385	999.88	ng/uL	100
176) Hexachlorophene	196	14.225	14.219	0.973	2574929	980.37	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1235.D
Acq On : 13 Jun 2025 02:18
Operator : NM1
InstName : MSD2
Sample : |WBN250602-37|ICAL|1|SVM|1|H-7
Misc : |MIX[E]
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 13 14:22:41 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSD2.I **Injection Date:** 13-JUN-25 02:38

Data File: s061225_ICAL.s\s2F1236.D **Init. Cal. Date(s)** 12-JUN-25 14:19 - 13-JUN-25 02:18

Lab Sample ID WBN250602-38 **Method:** s061225_ICAL.s\MSD2_8270_061225.m

Quant Type ISTD **Method Update:** 13-JUN-25 14:20

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
Hexachlorophene	600	660.37	600			10.06167	30		Linear

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Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1236.D
Acq On : 13 Jun 2025 02:38
Operator : NM1
InstName : MSD2
Sample : |WBN250602-38|ICV|1|SVM|1|H-ICV
Misc : |MIX[E]
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 13 14:22:44 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

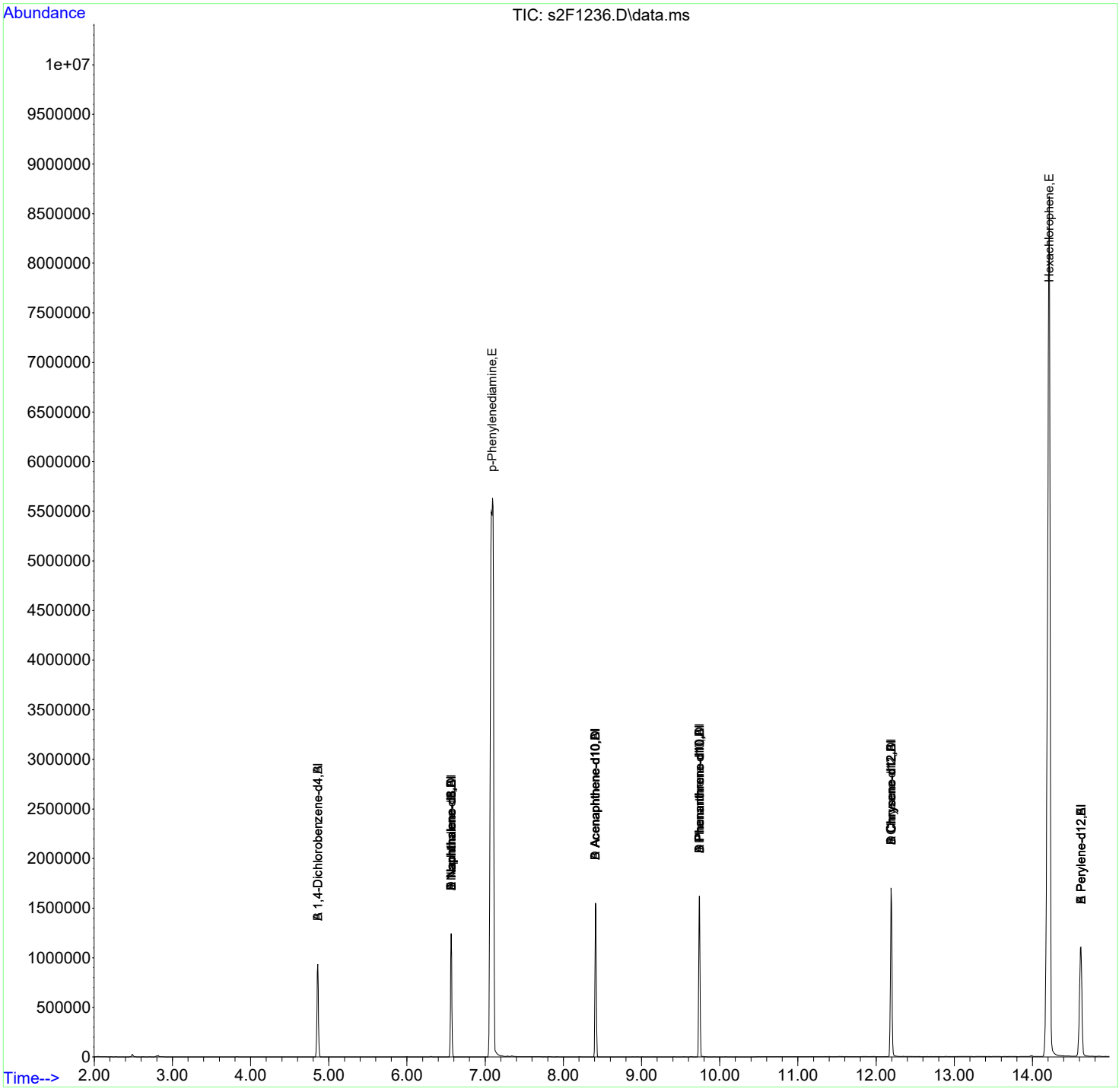
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	208273	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.565	6.565	1.000	721151	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.411	8.416	1.000	359171	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.742	9.742	1.000	742848	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.192	12.197	1.000	824643	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.620	14.604	1.000	855182	40.00	ng/uL	0.02
96) B 1,4-Dichlorobenzene-d4	152	4.859	4.859	1.000	208273	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.565	6.565	1.000	721250	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.411	8.411	1.000	359171	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.742	9.743	1.000	742848	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.192	12.192	1.000	824643	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.620	14.610	1.000	858918	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	6.565	6.565	1.000	721250	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.742	9.743	1.000	742848	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.192	12.192	1.000	824643	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.565	6.565	1.000	721250	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.411	8.416	1.000	359171	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.742	9.742	1.000	742848	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.192	12.192	1.000	824643	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.565	6.565	1.000	721250	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.620	14.620	1.000	858918	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.613	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.758	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.127	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.080	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	7.087	7.088	1.079	5626840	602.27	ng/uL	100
176) Hexachlorophene	196	14.214	14.219	0.972	1711428	660.37	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1236.D
Acq On : 13 Jun 2025 02:38
Operator : NM1
InstName : MSD2
Sample : |WBN250602-38|ICV|1|SVM|1|H-ICV
Misc : |MIX[E]
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 13 14:22:44 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSD2.I **Injection Date:** 08-AUG-25 12:44

Data File: s080825.s\s2H0802.D **Init. Cal. Date(s)** 12-JUN-25 14:19 - 13-JUN-25 02:18

Lab Sample ID WBN250711-04.9 **Method:** s080825.s\MSD2_8270_061225.m

Quant Type ISTD **Method Update:** 13-JUN-25 14:20

	Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
S	2-Fluorophenol	1.1757	1.16133		.01		-1.22225	20		Averaged
S	Phenol-d5	1.4359	1.40024		.01		-2.48346	20		Averaged
S	Nitrobenzene-d5	0.3553	0.34511		.01		-2.868	20		Averaged
S	2-Fluorobiphenyl	1.6049	1.53922		.01		-4.09247	20		Averaged
S	2,4,6-Tribromophenol	0.3345	0.33282		.01		-0.50224	20		Averaged
S	p-Terphenyl-d14	1.0704	1.03678		.01		-3.14088	20		Averaged
	Phenol	1.5057	1.45665		.8		-3.25762	20		Averaged
	1,4-Dichlorobenzene	1.5309	1.51758		.01		-0.87008	20		Averaged
	N-Nitrosodipropylamine	0.8684	0.82146		.5		-5.40534	20		Averaged
	2-Nitrophenol	0.1739	0.17495		.1		0.6038	20		Averaged
	2,4-Dichlorophenol	0.3023	0.29528		.2		-2.3222	20		Averaged
	Hexachlorobutadiene	0.2036	0.20542		.01		0.89391	20		Averaged
	4-Chloro-3-methylphenol	0.2901	0.2757		.2		-4.96381	20		Averaged
	Hexachlorocyclopentadiene	0.5377	0.51897		.05		-3.48336	20		Averaged
	2,4,6-Trichlorophenol	0.4606	0.44878		.2		-2.56622	20		Averaged
	Dimethylphthalate	1.5374	1.52981		.01		-0.49369	20		Averaged
	Acenaphthene	1.4464	1.41823		.9		-1.94759	20		Averaged
	2,4-Dinitrophenol	40	37.59	40			-6.025	20		Linear
	4-Nitrophenol	0.2028	0.19074		.05		-5.94675	20		Averaged
	Diphenylamine	0.6482	0.62886		.01		-2.98365	20		Averaged
	Pentachlorophenol	0.1803	0.16705		.05		-7.34886	20		Averaged
	Fluoranthene	1.2444	1.22816		.6		-1.30505	20		Averaged
	Di-n-octylphthalate	40	37.23	40			-6.925	20		Linear
	Benzo(a)pyrene	1.0735	1.09263		.7		1.78202	20		Averaged

Quantitation Report
GEL Laboratories, LLC

08/11/2025

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0802.D
Acq On : 08 Aug 2025 12:44
Operator : NM1
InstName : MSD2
Sample : |WBN250711-04.9|CCV|1|SVM|1|M-4
Misc : |MIX[A]
ALS Vial : 2 Sample Multiplier: 1

08/12/2025

Quant Time: Aug 11 16:43:03 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.848	4.848	1.000	196038	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.555	6.555	1.000	724104	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.400	8.400	1.000	364045	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.726	9.726	1.000	729471	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.171	12.171	1.000	818812	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.551	14.551	1.000	814994	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.848	4.848	1.000	196038	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.555	6.555	1.000	724104	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.400	8.400	1.000	364045	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.726	9.726	1.000	729471	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.171	12.171	1.000	818812	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.551	14.551	1.000	818780	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.555	6.555	1.000	724104	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.726	9.726	1.000	729471	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.171	12.171	1.000	818812	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.555	6.555	1.000	724104	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.400	8.400	1.000	364045	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.726	9.726	1.000	729471	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.171	12.171	1.000	818812	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.555	6.555	1.000	724104	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.551	14.551	1.000	818780	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.324	3.324	0.686	227665	39.51	ng/uL	0.00
8) Phenol-d5	99	4.330	4.330	0.893	274500	39.01	ng/uL	0.00
23) Nitrobenzene-d5	82	5.597	5.597	0.854	249898	38.86	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.747	7.747	0.922	560344	38.36	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.117	9.117	1.085	121163	39.80	ng/uL	0.00
79) p-Terphenyl-d14	244	11.064	11.064	1.137	756304	38.74	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.089	2.089	0.431	104761	38.83	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.270	2.270	0.468	141585	39.32	ng/uL	100
4) Pyridine	79	2.319	2.319	0.478	243116	39.48	ng/uL	99
6) p-Benzoquinone	108	3.848	3.848	0.794	111201	37.73	ng/uL	99
7) Aniline	93	4.421	4.421	0.912	359163	38.98	ng/uL	100
9) Phenol	94	4.346	4.346	0.896	285559	38.70	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.490	4.490	0.926	230992	38.55	ng/uL	100
11) 2-Chlorophenol	128	4.570	4.570	0.943	258276	39.52	ng/uL	99
12) n-Decane	43	4.629	4.629	0.955	217959	38.48	ng/uL	99
13) 1,3-Dichlorobenzene	146	4.774	4.774	0.985	294698	39.82	ng/uL	99
14) 1,4-Dichlorobenzene	146	4.870	4.870	1.004	297504	39.65	ng/uL	99
15) 1,2-Dichlorobenzene	146	5.073	5.073	1.046	284378	39.67	ng/uL	100
16) bis(2-Chloro-1-methyle...	45	5.207	5.207	1.074	265030	37.97	ng/uL	99
17) Benzyl alcohol	108	5.009	5.009	1.033	147671	37.53	ng/uL	99
18) o-Cresol	107	5.153	5.153	1.063	196620	38.96	ng/uL	100
19) m,p-Cresols	108	5.367	5.367	1.107	226170	38.94	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0802.D
Acq On : 08 Aug 2025 12:44
Operator : NM1
InstName : MSD2
Sample : |WBN250711-04.9|CCV|1|SVM|1|M-4
Misc : |MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 16:43:03 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	5.389	5.389	1.111	161038	37.84	ng/uL	99
21)	Hexachloroethane	117	5.538	5.538	1.142	115097	39.44	ng/uL	99
24)	Nitrobenzene	77	5.624	5.624	0.858	248458	38.94	ng/uL	99
25)	Isophorone	82	5.966	5.966	0.910	436050	38.01	ng/uL	100
26)	2-Nitrophenol	139	6.068	6.068	0.926	126679	40.24	ng/uL	98
27)	2,4-Dimethylphenol	122	6.121	6.121	0.934	216249	39.61	ng/uL	97
28)	bis(2-Chloroethoxy)met...	93	6.255	6.255	0.954	298395	39.07	ng/uL	99
29)	2,4-Dichlorophenol	162	6.373	6.373	0.972	213815	39.07	ng/uL	100
30)	Benzoic acid	105	6.212	6.212	0.948	139981	38.70	ng/uL	96
31)	1,2,4-Trichlorobenzene	180	6.485	6.485	0.989	246399	39.79	ng/uL	99
32)	alpha-Terpineol	59	6.597	6.597	1.007	182152	37.36	ng/uL	98
33)	Naphthalene	128	6.581	6.581	1.004	755367	39.66	ng/uL	100
34)	4-Chloroaniline	127	6.646	6.646	1.014	311818	39.08	ng/uL	99
35)	Hexachlorobutadiene	225	6.731	6.731	1.027	148748	40.35	ng/uL	100
36)	4-Chloro-3-methylphenol	107	7.196	7.196	1.098	199636	38.01	ng/uL	99
37)	2-Methylnaphthalene	142	7.368	7.368	1.124	448473	39.54	ng/uL	99
38)	1-Methylnaphthalene	142	7.469	7.469	1.140	467973	39.52	ng/uL	99
40)	Hexachlorocyclopentadiene	237	7.533	7.533	0.897	188929	38.61	ng/uL	99
41)	2,3-Dichloroaniline	161	7.656	7.656	0.911	267116	38.32	ng/uL	100
42)	2,4,6-Trichlorophenol	196	7.656	7.656	0.911	163377	38.97	ng/uL	99
43)	2,4,5-Trichlorophenol	196	7.694	7.694	0.916	170809	38.75	ng/uL	98
45)	2-Chloronaphthalene	162	7.865	7.865	0.936	477366	38.92	ng/uL	99
46)	o-Nitroaniline	65	7.967	7.967	0.948	121270	38.06	ng/uL	98
47)	1,4-Dinitrobenzene	168	8.100	8.100	0.964	71387	39.45	ng/uL	98
48)	m-Dinitrobenzene	168	8.170	8.170	0.973	80798	39.24	ng/uL	98
49)	m-Nitroaniline	138	8.357	8.357	0.995	132596	38.55	ng/uL	97
50)	Dimethylphthalate	163	8.143	8.143	0.969	556918	39.80	ng/uL	99
51)	2,6-Dinitrotoluene	165	8.202	8.202	0.976	116835	38.64	ng/uL	99
52)	2,4-Dinitrotoluene	165	8.576	8.576	1.021	162968	39.33	ng/uL	98
53)	Acenaphthylene	152	8.266	8.266	0.984	792710	39.32	ng/uL	100
54)	Acenaphthene	153	8.432	8.432	1.004	516300	39.22	ng/uL	99
55)	2,4-Dinitrophenol	184	8.459	8.459	1.007	64810	37.59	ng/uL	98
56)	Dibenzofuran	168	8.592	8.592	1.023	687796	38.56	ng/uL	100
57)	2,3,4,6-Tetrachlorophenol	232	8.699	8.699	1.036	143353	37.59	ng/uL	99
58)	Diethylphthalate	149	8.790	8.790	1.046	570676	39.73	ng/uL	100
59)	4-Nitrophenol	109	8.507	8.507	1.013	69437	37.62	ng/uL	96
60)	Fluorene	166	8.903	8.903	1.060	551313	39.10	ng/uL	99
61)	4-Chlorophenylphenylether	204	8.897	8.897	1.059	261854	38.87	ng/uL	99
62)	p-Nitroaniline	138	8.913	8.913	1.061	136584	39.28	ng/uL	98
65)	2-Methyl-4,6-dinitroph...	198	8.940	8.940	0.919	90980	40.16	ng/uL	95
66)	Diphenylamine	169	8.999	8.999	0.925	458733	38.81	ng/uL	99
67)	1,2-Diphenylhydrazine	77	9.036	9.036	0.929	537817	38.00	ng/uL	100
68)	4-Bromophenylphenylether	248	9.331	9.331	0.959	174189	39.26	ng/uL	99
69)	Hexachlorobenzene	284	9.389	9.389	0.965	216097	39.23	ng/uL	100
70)	Pentachlorophenol	266	9.555	9.555	0.982	121860	37.06	ng/uL	99
71)	n-Octadecane	57	9.598	9.598	0.987	311035	37.14	ng/uL	99
72)	Dinoseb	211	9.705	9.705	0.998	129674	38.95	ng/uL	97
73)	Phenanthrene	178	9.748	9.748	1.002	826706	39.36	ng/uL	99
74)	Anthracene	178	9.791	9.791	1.007	829616	39.57	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0802.D
Acq On : 08 Aug 2025 12:44
Operator : NM1
InstName : MSD2
Sample : |WBN250711-04.9|CCV|1|SVM|1|M-4
Misc : |MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 16:43:03 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

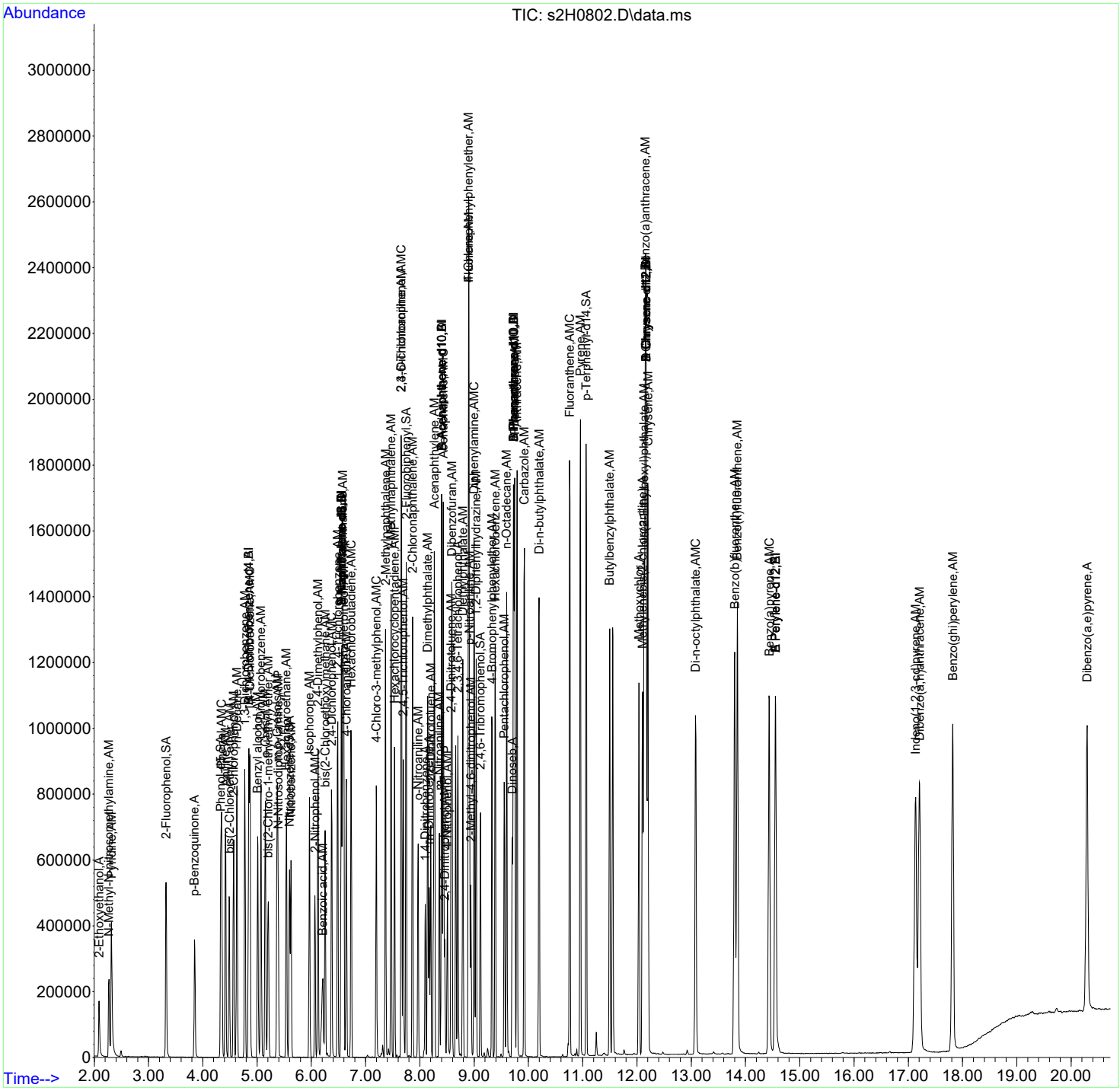
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	9.924	9.924	1.020	773669	40.37	ng/uL	100
76) Di-n-butylphthalate	149	10.197	10.197	1.048	948667	39.86	ng/uL	100
77) Fluoranthene	202	10.759	10.759	1.106	895906	39.48	ng/uL	100
78) Pyrene	202	10.957	10.957	1.126	949926	39.93	ng/uL	99
81) Butylbenzylphthalate	149	11.497	11.497	0.945	400318	38.71	ng/uL	98
82) bis(2-Ethylhexyl)phtha...	149	12.128	12.128	0.996	632828	38.08	ng/uL	94
83) Benzo(a)anthracene	228	12.155	12.155	0.999	960397	39.39	ng/uL	100
84) Chrysene	228	12.203	12.203	1.003	901111	39.73	ng/uL	99
85) Methoxychlor	227	12.037	12.037	0.989	589426	38.51	ng/uL	100
86) Methylenebis(2-chloroa...	231	12.101	12.101	0.994	184311	38.48	ng/uL	99
87) Di-n-octylphthalate	149	13.080	13.080	1.075	932317	37.23	ng/uL	99
89) Benzo(b)fluoranthene	252	13.802	13.802	0.949	933719	40.35	ng/uL	100
90) Benzo(k)fluoranthene	252	13.850	13.850	0.952	979234	40.90	ng/uL	100
91) Benzo(a)pyrene	252	14.439	14.439	0.992	890484	40.71	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	17.134	17.134	1.178	927099	41.00	ng/uL	99
93) Dibenzo(a,h)anthracene	278	17.209	17.209	1.183	903150	40.66	ng/uL	100
94) Benzo(ghi)perylene	276	17.819	17.819	1.225	936243	39.74	ng/uL	100
95) Dibenzo(a,e)pyrene	302	20.295	20.295	1.395	796058	38.51	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0802.D
Acq On : 08 Aug 2025 12:44
Operator : NM1
InstName : MSD2
Sample : |WBN250711-04.9|CCV|1|SVM|1|M-4
Misc : |MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 11 16:43:03 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSD2.I **Injection Date:** 08-AUG-25 13:10

Data File: s080825.s\s2H0803.D **Init. Cal. Date(s)** 12-JUN-25 14:19 - 13-JUN-25 02:18

Lab Sample ID WBN250613-54.23 **Method:** s080825.s\MSD2_8270_061225.m

Quant Type ISTD **Method Update:** 13-JUN-25 14:20

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
a,a-Dimethylphenethylamine	0.7235	0.63056		.01		-12.84589	20		Averaged

Quantitation Report
GEL Laboratories, LLC

08/11/2025

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0803.D
Acq On : 08 Aug 2025 13:10
Operator : NM1
InstName : MSD2
Sample : |WBN250613-54.23|CCV|1|SVM|1|A-4
Misc : |MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

08/12/2025

Quant Time: Aug 11 16:43:46 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.848	4.848	1.000	183001	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.555	6.555	1.000	664315	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.400	8.400	1.000	326487	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.726	9.726	1.000	673634	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.165	12.171	1.000	736808	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.551	14.551	1.000	719391	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.848	4.848	1.000	183001	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.555	6.555	1.000	664558	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.400	8.400	1.000	326487	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.726	9.726	1.000	673634	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.165	12.171	1.000	736808	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.551	14.551	1.000	724177	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.555	6.555	1.000	664558	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.726	9.726	1.000	673634	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.165	12.171	1.000	736808	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.555	6.555	1.000	664558	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.400	8.400	1.000	326487	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.726	9.726	1.000	673634	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.165	12.171	1.000	736808	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.555	6.555	1.000	664558	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.551	14.551	1.000	724177	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	5.538	5.597	0.845	577	0.10	ng/uL	-0.06
44) 2-Fluorobiphenyl	172	7.747	7.747	0.922	1137	0.09	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	0.000	9.117	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	11.063	11.064	1.137	1903	0.11	ng/uL	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.099	2.083	0.433	86162	39.84	ng/uL	99
98) Methyl methacrylate	69	2.088	2.078	0.431	117238	40.93	ng/uL	99
99) Ethyl methacrylate	69	2.570	2.559	0.530	185067	39.24	ng/uL	100
100) 2-Picoline	93	2.843	2.837	0.586	252885	40.43	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.907	2.901	0.600	95660	39.52	ng/uL	99
102) Methyl methanesulfonate	80	3.164	3.164	0.652	125822	39.34	ng/uL	99
103) N-Nitrosodiethylamine	102	3.570	3.570	0.736	99285	39.40	ng/uL	99
104) 2-Butoxyethanol	57	3.640	3.640	0.751	211992	38.97	ng/uL	99
105) Ethyl methanesulfonate	79	3.875	3.880	0.799	173314	38.25	ng/uL	100
106) Benzaldehyde	77	4.297	4.303	0.886	175425	38.83	ng/uL	98
107) Pentachloroethane	167	4.490	4.495	0.926	100429	39.37	ng/uL	99
108) N-Nitrosopyrrolidine	100	5.346	5.356	1.103	105234	37.63	ng/uL	100
109) Acetophenone	105	5.383	5.394	1.110	322744	38.75	ng/uL	99
110) N-Nitrosomorpholine	56	5.405	5.415	1.115	107685	38.67	ng/uL	99
111) o-Toluidine	106	5.431	5.442	1.120	370155	39.26	ng/uL	100
113) N-Nitrosopiperidine	114	5.838	5.849	0.891	108214	38.11	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0803.D
Acq On : 08 Aug 2025 13:10
Operator : NM1
InstName : MSD2
Sample : |WBN250613-54.23|CCV|1|SVM|1|A-4
Misc : |MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 11 16:43:46 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

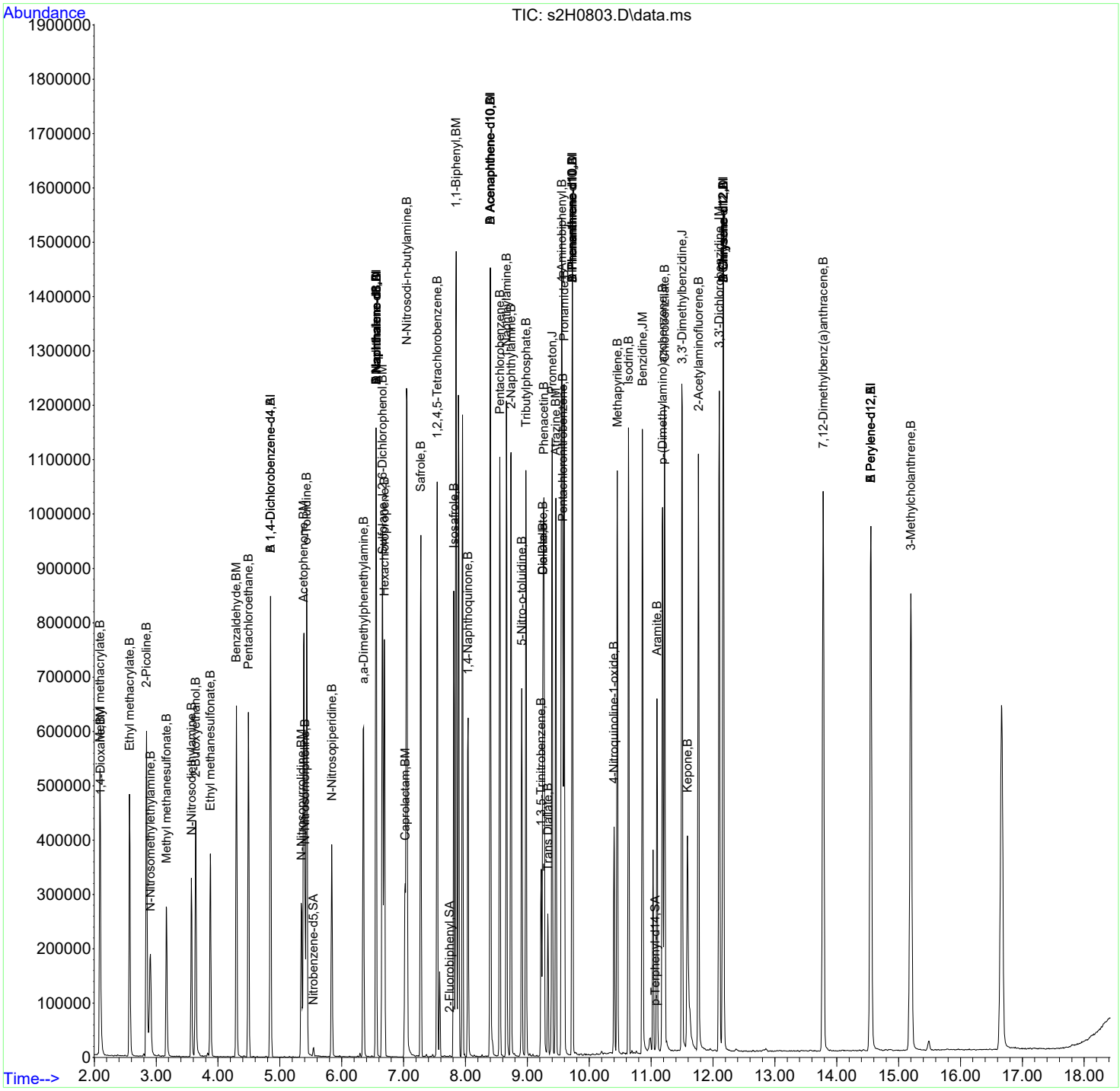
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	6.351	6.362	0.969	419043	34.86	ng/uL	100
115) 2,6-Dichlorophenol	162	6.656	6.667	1.016	184226	38.13	ng/uL	99
116) Hexachloropropene	213	6.688	6.699	1.020	158444	40.78	ng/uL	99
117) Caprolactam	113	7.025	7.036	1.072	51821	38.07	ng/uL	90
118) N-Nitrosodi-n-butylamine	116	7.047	7.057	1.075	39988	39.04	ng/uL	99
119) Safrole	162	7.277	7.287	1.110	173883	39.26	ng/uL	98
121) 1,2,4,5-Tetrachloroben...	216	7.544	7.549	0.898	237597	40.50	ng/uL	100
122) 1,1-Biphenyl	154	7.849	7.854	0.934	574290	39.99	ng/uL	99
123) Isosafrole	162	7.812	7.822	0.930	180955	39.60	ng/uL	100
124) 1,4-Naphthoquinone	158	8.042	8.052	0.957	148196	37.30	ng/uL	98
125) Pentachlorobenzene	250	8.555	8.566	1.018	216778	40.03	ng/uL	99
126) 1-Naphthylamine	143	8.662	8.673	1.031	466141	40.04	ng/uL	99
127) 2-Naphthylamine	143	8.737	8.748	1.040	483749	40.21	ng/uL	100
128) 5-Nitro-o-toluidine	152	8.908	8.919	1.060	126930	40.02	ng/uL	99
129) Tributylphosphate	99	8.978	8.994	1.069	586129	39.70	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	9.224	9.229	0.948	67625	40.01	ng/uL	97
132) Phenacetin	108	9.266	9.277	0.953	240847	38.73	ng/uL	99
133) Diallate	86	9.250	9.261	0.951	142625	38.80	ng/uL	98
134) Cis Diallate	86	9.250	9.261	0.951	142625	32.98	ng/uL	98
135) Trans Diallate	86	9.331	9.347	0.959	49158	5.74	ng/uL	99
136) Atrazine	200	9.459	9.475	0.973	148885	41.09	ng/uL	100
137) 4-Aminobiphenyl	169	9.555	9.566	0.982	596104	39.90	ng/uL	100
138) Pentachloronitrobenzene	237	9.571	9.577	0.984	65666	39.51	ng/uL	99
139) Pronamide	173	9.593	9.603	0.986	246195	38.93	ng/uL	98
140) 4-Nitroquinoline-1-oxide	128	10.400	10.411	1.069	29072	30.60	ng/uL	95
141) Methapyrilene	97	10.454	10.464	1.075	280898	41.01	ng/uL	99
142) Isodrin	193	10.636	10.646	1.093	91892	39.19	ng/uL	98
144) Aramite	185	11.096	11.106	0.912	70577	39.81	ng/uL	99
145) Kepone	272	11.588	11.598	0.953	86099	36.35	ng/uL	99
146) p-(Dimethylamino)azobe...	225	11.187	11.197	0.920	148730	39.44	ng/uL	98
147) Chlorobenzilate	251	11.219	11.235	0.922	246273	41.20	ng/uL	98
148) 2-Acetylaminofluorene	181	11.764	11.786	0.967	314640	40.20	ng/uL	100
150) 7,12-Dimethylbenz(a)an...	256	13.781	13.818	0.947	374844	40.91	ng/uL	99
151) 3-Methylcholanthrene	269	15.198	15.246	1.044	95678	40.21	ng/uL	99
153) Sulfolane	56	6.662	6.672	1.016	72457	39.32	ng/uL	99
155) Prometon	210	9.400	9.411	0.966	127666	40.24	ng/uL	99
156) Benzidine	184	10.860	10.871	1.117	563936	40.33	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	11.502	11.513	0.945	546860	38.96	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	12.101	12.123	0.995	380195	43.71	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0803.D
Acq On : 08 Aug 2025 13:10
Operator : NM1
InstName : MSD2
Sample : |WBN250613-54.23|CCV|1|SVM|1|A-4
Misc : |MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 11 16:43:46 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSD2.I **Injection Date:** 08-AUG-25 13:51

Data File: s080825.s\s2H0805.D **Init. Cal. Date(s)** 12-JUN-25 14:19 - 13-JUN-25 02:18

Lab Sample ID WBN250724-33.3 **Method:** s080825.s\MSD2_8270_061225.m

Quant Type ISTD **Method Update:** 13-JUN-25 14:20

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
Hexachlorophene	700	584.63	700			-16.48143	20		Linear

Quantitation Report
GEL Laboratories, LLC

08/11/2025

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0805.D
Acq On : 08 Aug 2025 13:51
Operator : NM1
InstName : MSD2
Sample : |WBN250724-33.3|CCV|1|SVM|1|H-4
Misc : |MIX[E]
ALS Vial : 5 Sample Multiplier: 1

08/12/2025

Quant Time: Aug 11 16:45:58 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

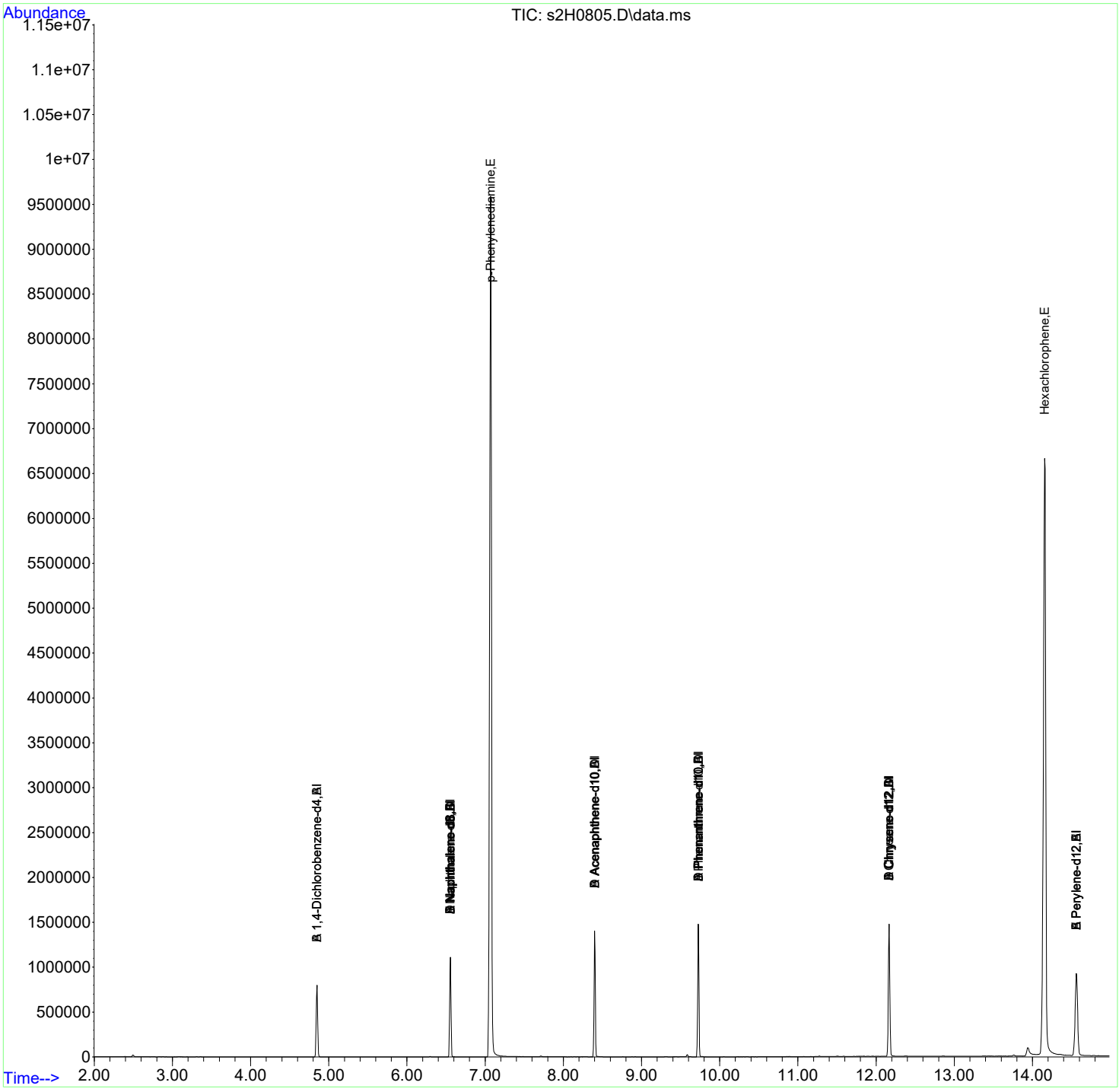
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.848	4.848	1.000	171484	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.555	6.555	1.000	639677	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.400	8.400	1.000	309795	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.726	9.726	1.000	634592	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.165	12.171	1.000	694833	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.562	14.551	1.000	716396	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.848	4.848	1.000	171484	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.555	6.555	1.000	641117	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.400	8.400	1.000	309795	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.726	9.726	1.000	634592	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.165	12.171	1.000	694833	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.562	14.551	1.000	722356	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	6.555	6.555	1.000	641117	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.726	9.726	1.000	634592	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.165	12.171	1.000	694833	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.555	6.555	1.000	641117	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.400	8.400	1.000	309795	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.726	9.726	1.000	634592	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.165	12.171	1.000	694833	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.555	6.555	1.000	641117	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.562	14.551	1.000	722356	40.00	ng/uL	0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.324	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	4.330	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	5.597	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	0.000	7.747	0.000	0	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	9.117	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	11.064	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	7.070	7.088	1.079	5480314	659.91	ng/uL	100
176) Hexachlorophene	196	14.155	14.219	0.972	1209838	584.63	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0805.D
Acq On : 08 Aug 2025 13:51
Operator : NM1
InstName : MSD2
Sample : |WBN250724-33.3|CCV|1|SVM|1|H-4
Misc : |MIX[E]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 11 16:45:58 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



LL
08/06/2025

Calibration History Report MSDB
GEL Laboratories, LLC
Method File : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Last Update : Thu Jul 03 09:56:08 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

BB
08/08/2025

Cal Lvl:1 Amt:0.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2702.D

Injection Date	Mix	Calibration File
27 Jun 2025 17:24	A	D:\MSDChem\1\Data\s062725_ICAL\sBF2702.D

Cal Lvl:2 Amt:10.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2711.D

Injection Date	Mix	Calibration File
27 Jun 2025 17:48	A	D:\MSDChem\1\Data\s062725_ICAL\sBF2703.D
27 Jun 2025 21:00	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2711.D
28 Jun 2025 03:08	E	D:\MSDChem\1\Data\s062725_ICAL\sBF2730.D
27 Jun 2025 21:00	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2711.D
28 Jun 2025 00:46	D	D:\MSDChem\1\Data\s062725_ICAL\sBF2722.D

Cal Lvl:3 Amt:20.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2712.D

Injection Date	Mix	Calibration File
27 Jun 2025 18:12	A	D:\MSDChem\1\Data\s062725_ICAL\sBF2704.D
27 Jun 2025 21:21	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2712.D
28 Jun 2025 03:25	E	D:\MSDChem\1\Data\s062725_ICAL\sBF2731.D
27 Jun 2025 21:21	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2712.D
28 Jun 2025 01:04	D	D:\MSDChem\1\Data\s062725_ICAL\sBF2723.D

Cal Lvl:4 Amt:40.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2714.D

Injection Date	Mix	Calibration File
27 Jun 2025 18:36	A	D:\MSDChem\1\Data\s062725_ICAL\sBF2705.D
27 Jun 2025 22:02	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2714.D
28 Jun 2025 03:43	E	D:\MSDChem\1\Data\s062725_ICAL\sBF2732.D
27 Jun 2025 22:02	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2714.D
28 Jun 2025 01:22	D	D:\MSDChem\1\Data\s062725_ICAL\sBF2724.D

Cal Lvl:5 Amt:50.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2715.D

Injection Date	Mix	Calibration File
27 Jun 2025 19:00	A	D:\MSDChem\1\Data\s062725_ICAL\sBF2706.D
27 Jun 2025 22:23	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2715.D
28 Jun 2025 04:01	E	D:\MSDChem\1\Data\s062725_ICAL\sBF2733.D
27 Jun 2025 22:23	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2715.D
28 Jun 2025 01:39	D	D:\MSDChem\1\Data\s062725_ICAL\sBF2725.D

Cal Lvl:6 Amt:80.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2717.D

Injection Date	Mix	Calibration File
27 Jun 2025 19:24	A	D:\MSDChem\1\Data\s062725_ICAL\sBF2707.D
27 Jun 2025 23:05	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2717.D
28 Jun 2025 04:19	E	D:\MSDChem\1\Data\s062725_ICAL\sBF2734.D
27 Jun 2025 23:05	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2717.D
28 Jun 2025 01:57	D	D:\MSDChem\1\Data\s062725_ICAL\sBF2726.D

Calibration History Report MSDB
GEL Laboratories, LLC
Method File : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Last Update : Thu Jul 03 09:56:08 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

Cal Lvl:7 Amt:100.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2718.D

Injection Date	Mix	Calibration File
27 Jun 2025 19:48	A	D:\MSDChem\1\Data\s062725_ICAL\sBF2708.D
27 Jun 2025 23:26	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2718.D
28 Jun 2025 04:36	E	D:\MSDChem\1\Data\s062725_ICAL\sBF2735.D
27 Jun 2025 23:26	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2718.D
28 Jun 2025 02:15	D	D:\MSDChem\1\Data\s062725_ICAL\sBF2727.D

Cal Lvl:8 Amt:120.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2719.D

Injection Date	Mix	Calibration File
27 Jun 2025 20:12	A	D:\MSDChem\1\Data\s062725_ICAL\sBF2709.D
27 Jun 2025 23:47	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2719.D
27 Jun 2025 23:47	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2719.D
28 Jun 2025 02:32	D	D:\MSDChem\1\Data\s062725_ICAL\sBF2728.D

Cal Lvl:9 Amt:30.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2713.D

Injection Date	Mix	Calibration File
27 Jun 2025 21:42	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2713.D
27 Jun 2025 21:42	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2713.D

Cal Lvl:10 Amt:60.00 Last Updated with: D:\MSDChem\1\Data\s062725_ICAL\sBF2716.D

Injection Date	Mix	Calibration File
27 Jun 2025 22:44	J	D:\MSDChem\1\Data\s062725_ICAL\sBF2716.D
27 Jun 2025 22:44	B	D:\MSDChem\1\Data\s062725_ICAL\sBF2716.D

MSDB_8270_062725.m Tue Aug 05 08:21:04 2025

LL 08/06/2025

RAB 08/08/2025

Response Factor Report MSDB
GEL Laboratories, LLC

Method File : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Last Update : Thu Jul 03 09:56:08 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b | m1 | m2	7	8	9	10						
2)A 2-Ethoxyethanol		0.4350573	0.4546725	0.4151901	0.4275523	0.4139553				
	0.4180928	0.4051461					0.4242	AVRG		3.9020
3)AM N-Methyl-N-nitrosomethyl		0.5349859	0.5853062	0.5395639	0.5453342	0.5447654				
	0.5612901	0.5326260					0.5491	AVRG		3.3694
4)AM Pyridine		1.0439741	1.0507294	1.0168430	1.0197054	1.0287607				
	1.0195935	1.0383438					1.0311	AVRG		1.2978
5)SA 2-Fluorophenol		1.0969993	1.1556052	1.0727865	1.0967251	1.0776809				
	1.0923659	1.0749416					1.0953	AVRG		2.6043
6)AM p-Benzoquinone		0.5207840	0.5224498	0.5227517	0.5458735	0.5503412				
	0.5518111	0.5510990					0.5379	AVRG		2.7859
7)AM Aniline		1.6654253	1.6637385	1.6012796	1.6121948	1.5671909				
	1.5886299	1.5645045					1.6090	AVRG		2.5866
8)SA Phenol-d5		1.3105661	1.2667889	1.2441029	1.2626462	1.2470728				
	1.2629323	1.2643163					1.2655	AVRG		1.7211
9)AMC Phenol		1.3685492	1.3231354	1.2864756	1.2997371	1.2738848				
	1.2915451	1.2864731					1.3043	AVRG		2.4700
10)AM bis(2-Chloroethyl) ether		1.0554789	1.0246101	0.9717953	0.9820017	0.9564229				
	0.9707605	0.9652315					0.9895	AVRG		3.6880
11)AM 2-Chlorophenol		1.3449240	1.3046101	1.2558276	1.2727164	1.2626602				
	1.2691335	1.2767534					1.2838	AVRG		2.4189
12)AM n-Decane		0.7038988	0.7294540	0.6767436	0.6676668	0.6463657				
	0.6438528	0.6293535					0.6710	AVRG		5.3112
13)AM 1,3-Dichlorobenzene		1.5390960	1.5618281	1.4583456	1.4872987	1.4836004				
	1.4815467	1.4670786					1.4970	AVRG		2.5694
14)AMC 1,4-Dichlorobenzene		1.5672761	1.5806616	1.4908962	1.4877414	1.4764990				
	1.4969992	1.4690238					1.5099	AVRG		2.9748
15)AM 1,2-Dichlorobenzene		1.4859701	1.5216208	1.4304266	1.4147583	1.4042388				

Response Factor Report MSDB
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Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b | m1 | m2	7	8	9	10						
	1.4177816	1.4269556					1.4431	AVRG		3.0177
16)AM bis(2-Chloro-1-methyleth		0.9398822	0.9650804	0.9010221	0.8991726	0.8779287				
	0.8906245	0.8680122					0.9060	AVRG		3.8177
17)AM Benzyl alcohol		0.6991760	0.7448811	0.7273783	0.7331432	0.7545727				
	0.7514142	0.7541558					0.7378	AVRG		2.7143
18)AM o-Cresol		0.8858162	0.9388442	0.8874179	0.8942487	0.8920187				
	0.8954410	0.8995311					0.8990	AVRG		2.0205
19)AM m,p-Cresols		1.0717401	1.1522147	1.0780799	1.0920680	1.1078497				
	1.1072741	1.1100263					1.1028	AVRG		2.4079
20)AMP N-Nitrosodipropylamine		0.5242197	0.5746247	0.5298808	0.5311346	0.5398465				
	0.5474283	0.5429744					0.5414	AVRG		3.0889
21)AM Hexachloroethane		0.4323937	0.4931739	0.4346747	0.4396949	0.4133101				
	0.4388942	0.4386225					0.4415	AVRG		5.5574
23)SA Nitrobenzene-d5		0.2250759	0.2453947	0.2339648	0.2414631	0.2420292				
	0.2364250	0.2367464					0.2373	AVRG		2.8103
24)AM Nitrobenzene		0.2265625	0.2431950	0.2339913	0.2375715	0.2331925				
	0.2301796	0.2306814					0.2336	AVRG		2.3307
25)AM Isophorone		0.4422620	0.4600298	0.4612753	0.4757332	0.4624586				
	0.4705622	0.4660935					0.4626	AVRG		2.2843
26)AMC 2-Nitrophenol		0.1523852	0.1734916	0.1721209	0.1799137	0.1822862				
	0.1858537	0.1868249					0.1761	AVRG		6.7499
27)AM 2,4-Dimethylphenol		0.2955596	0.3205235	0.2996223	0.2972135	0.2904292				
	0.2920412	0.2943217					0.2985	AVRG		3.4076
28)AM bis(2-Chloroethoxy)metha		0.3458316	0.3641111	0.3401152	0.3451458	0.3389023				
	0.3346720	0.3343027					0.3433	AVRG		2.9796
29)AMC 2,4-Dichlorophenol		0.2982079	0.3221184	0.3092996	0.3156103	0.3150772				
	0.3158767	0.3186676					0.3136	AVRG		2.4876

Response Factor Report MSDB
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For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
30)AM Benzoic acid			98695	235014	338569	588558		1/x^2		
-0.0465 0.2245 0.00	692043	842928						LINR	#	0.9979
31)AM 1,2,4-Trichlorobenzene		0.3689553	0.3768176	0.3503482	0.3583874	0.3475133				
	0.3491688	0.3522944					0.3576	AVRG		3.1312
32)AM alpha-Terpineol		0.1619639	0.1702535	0.1583886	0.1581391	0.1526188				
	0.1503249	0.1485580					0.1572	AVRG		4.7774
33)AM Naphthalene	0.9946572	1.0724255	1.0996808	1.0173254	1.0163848	0.9813713				
	0.9795466	0.9728911					1.0168	AVRG		4.5565
34)AM 4-Chloroaniline		0.4283645	0.4358637	0.4209564	0.4289699	0.4218141				
	0.4212204	0.4208746					0.4254	AVRG		1.3624
35)AMC Hexachlorobutadiene		0.1959598	0.1883536	0.1910065	0.1916722	0.1923171				
	0.1918753	0.1935571					0.1921	AVRG		1.2121
36)AMC 4-Chloro-3-methylphenol		0.2704344	0.2766128	0.2598862	0.2643941	0.2665482				
	0.2632825	0.2644265					0.2665	AVRG		2.0584
37)AM 2-Methylnaphthalene	0.5865800	0.6914026	0.6465027	0.6499554	0.6578405	0.6818667				
	0.6523204	0.6496043					0.6520	AVRG		4.7798
38)AM 1-Methylnaphthalene	0.6237497	0.7576227	0.6710168	0.6706820	0.6738469	0.6940540				
	0.6631672	0.6709744					0.6781	AVRG		5.5538
40)AMP Hexachlorocyclopentadien		0.4522256	0.4380096	0.4520852	0.4803536	0.4895128				
	0.4758724	0.4734240					0.4659	AVRG		3.9944
41)AM 2,3-Dichloroaniline		0.7370048	0.7008988	0.7019277	0.7208984	0.7239906				
	0.7041131	0.6985949					0.7125	AVRG		2.0763
42)AMC 2,4,6-Trichlorophenol		0.4128659	0.4181845	0.4176123	0.4356672	0.4482716				
	0.4330187	0.4457445					0.4302	AVRG		3.3002
43)AM 2,4,5-Trichlorophenol		0.4698871	0.4404634	0.4591393	0.4653827	0.4728407				
	0.4666383	0.4715599					0.4637	AVRG		2.4204
44)SA 2-Fluorobiphenyl		1.6901913	1.5600521	1.4996695	1.5180660	1.4998029				
	1.4772937	1.4564108					1.5288	AVRG		5.1173

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
45)AM 2-Chloronaphthalene	1.1413537	1.2968064	1.3577198	1.2465670	1.2747970	1.3073770				
	1.2454255	1.2135840					1.2605	AVRG		5.1929
46)AM o-Nitroaniline		0.3328716	0.3778014	0.3726710	0.3929030	0.4293249				
	0.4126673	0.4113052					0.3899	AVRG		8.2673
47)A 1,4-Dinitrobenzene		0.1498884	0.1759291	0.1799698	0.1927846	0.2063214				
	0.2007823	0.2109552					0.1881	AVRG		11.3023
48)A m-Dinitrobenzene		0.1847538	0.2054002	0.2099837	0.2178166	0.2353754				
	0.2255365	0.2361375					0.2164	AVRG		8.4331
49)AM m-Nitroaniline		0.3073981	0.3512012	0.3472184	0.3605263	0.3683332				
	0.3665796	0.3700441					0.3530	AVRG		6.2088
50)AM Dimethylphthalate	1.2561783	1.4781445	1.4293202	1.4054563	1.4118750	1.4436617				
	1.4078537	1.4323560					1.4081	AVRG		4.6732
51)AM 2,6-Dinitrotoluene		0.2818647	0.3210529	0.3050602	0.3136963	0.3220078				
	0.3163670	0.3221419					0.3117	AVRG		4.6536
52)AM 2,4-Dinitrotoluene		0.3942456	0.3880387	0.4216954	0.4351045	0.4507195				
	0.4516840	0.4571879					0.4284	AVRG		6.5712
53)AM Acenaphthylene	1.7979669	2.2466970	2.2791738	2.0668357	2.0717193	2.0528927				
	2.0177931	1.9714946					2.0631	AVRG		7.3585
54)AMC Acenaphthene	1.1182094	1.2641910	1.3550891	1.2448793	1.2684264	1.2460546				
	1.1750676	1.1944133					1.2333	AVRG		5.7716
55)AMP 2,4-Dinitrophenol			58840	125596	171906	300356		1/x^2		
-0.0316 | 0.2052 | 0.00	365772	446273						LINR		0.9955
56)AM Dibenzofuran		2.0526222	1.8060350	1.8548597	1.8662916	1.8363981				
	1.8110786	1.7746268					1.8574	AVRG		4.9282
57)A 2,3,4,6-Tetrachloropheno		0.3862756	0.3851806	0.4107553	0.4135747	0.4279822				
	0.4275581	0.4342850					0.4122	AVRG		4.8302
58)AM Diethylphthalate	1.1890432	1.4246751	1.2859553	1.3380905	1.3240739	1.2982754				

Response Factor Report MSDB
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For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
	1.3231117	1.3668948					1.3188	AVRG		5.1492
59)AMP 4-Nitrophenol -0.0055 | 0.1035 | 0.00	190351	15602 225182	33933	74302	98206	166900		1/x^2 LINR		0.9979
60)AM Fluorene	1.3145153 1.4700042	1.5429178 1.4749966	1.4911583	1.5075647	1.5098341	1.4769849	1.4735	AVRG		4.6536
61)AM 4-Chlorophenylphenylethe	0.7481378	0.7444845 0.7684759	0.7308853	0.7347078	0.7477925	0.7300669	0.7435	AVRG		1.8058
62)AM p-Nitroaniline	0.3644671	0.2918667 0.3920596	0.3057892	0.3330352	0.3429643	0.3504632	0.3401	AVRG		10.0165
63)SA 2,4,6-Tribromophenol	0.3419659	0.3110100 0.3557999	0.3017130	0.3214444	0.3225168	0.3299924	0.3263	AVRG		5.6021
65)AM 2-Methyl-4,6-dinitrophen -0.0140 | 0.1324 | 0.00	488519	31023 607410	78698	176293	233836	396530		1/x^2 LINR	#|	0.9975
66)AMC Diphenylamine	0.6289586	0.6271333 0.6392477	0.6709988	0.6355076	0.6590470	0.6350386	0.6423	AVRG		2.5586
67)AM 1,2-Diphenylhydrazine	0.4207554	0.4375063 0.4330134	0.4666954	0.4310980	0.4414222	0.4251922	0.4365	AVRG		3.4414
68)AM 4-Bromophenylphenylether	0.2483955	0.2273258 0.2624438	0.2561900	0.2397764	0.2497492	0.2492902	0.2476	AVRG		4.5887
69)AM Hexachlorobenzene	0.3002978	0.2907962 0.3156524	0.3097704	0.2921233	0.3113305	0.3017479	0.3031	AVRG		3.1626
70)AMC Pentachlorophenol -0.0180 | 0.2081 | 0.00	746503	58203 948515	131015	283541	374157	628911		1/x LINR		0.9974
71)AM n-Octadecane	0.2765007	0.2692626 0.2891941	0.3082350	0.2843298	0.2966190	0.2956264	0.2885	AVRG		4.5587
72)A Dinoseb -0.0269 | 0.2070 | 0.00	767406	48345 907980	112315	254601	349117	616267		1/x LINR	#|	0.9962

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
73)AM Phenanthrene	1.0973336	1.1499720	1.2069564	1.1016147	1.1293745	1.0653599				
	1.0845772	1.0480062					1.1104	AVRG		4.5776
74)AM Anthracene	1.0124442	1.0602136	1.2388062	1.1283162	1.1623749	1.1184765				
	1.1005485	1.0786817					1.1125	AVRG		6.1492
75)AM Carbazole	0.8704429	0.9350922	1.1131749	1.0305745	1.0433774	0.9839439				
	1.0043606	1.0382666					1.0024	AVRG		7.3809
76)AM Di-n-butylphthalate	0.8763932	0.9869839	1.1972833	1.1430871	1.1461920	1.1296409				
	1.1519843	1.2023782					1.1042	AVRG		10.2768
77)AMC Fluoranthene	1.0934687	1.2396527	1.4759575	1.2489572	1.2539274	1.1805794				
	1.2471762	1.2787581					1.2523	AVRG		8.6053
78)AM Pyrene	1.1107914	1.2989252	1.5049313	1.2843924	1.3052856	1.2422383				
	1.2876900	1.2400756					1.2843	AVRG		8.4875
79)SA p-Terphenyl-d14		1.0734541	1.2456759	1.0571519	1.0586831	1.0637753				
	1.0743421	1.0344711					1.0868	AVRG		6.5617
81)AM Butylbenzylphthalate	0.2962272	0.3812869	0.4113696	0.4062009	0.4270885	0.4450976				
	0.4171870	0.4463096					0.4038	AVRG		11.9767
82)AM bis(2-Ethylhexyl)phthala	0.4483673	0.6011256	0.6831096	0.6625149	0.6816127	0.6975799				
	0.7048531	0.6783212					0.6447	AVRG		13.2589
83)AM Benzo(a)anthracene	1.0751415	1.1796109	1.2226906	1.1657388	1.1917436	1.1686070				
	1.1729625	1.1365034					1.1641	AVRG		3.7323
84)AM Chrysene	1.0440226	1.1321138	1.1608075	1.0844361	1.1082077	1.0581298				
	1.0701808	1.0238784					1.0852	AVRG		4.2459
85)A Methoxychlor		0.5546799	0.6104393	0.6423864	0.6790970	0.6876099				
	0.6912595	0.6900946					0.6508	AVRG		8.0029
86)A Methylenebis(2-chloroani		0.2002221	0.2148536	0.2208399	0.2266759	0.2334262				
	0.2409215	0.2461932					0.2262	AVRG		6.9940
87)AMC Di-n-octylphthalate	25838	415048	907523	1918332	2354634	4285300		1/x^2		
-0.0110 1.0870 0.00	5374478	6605491						LINR	#	0.9965

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
89)AM Benzo(b)fluoranthene	1.0186447	1.1036734	1.1946472	1.1190223	1.1814699	1.0953814				
	1.1495489	1.1994072					1.1327	AVRG		5.4196
90)AM Benzo(k)fluoranthene	0.9743648	1.1674263	1.2698835	1.1754322	1.2039515	1.1118116				
	1.1339588	1.1448158					1.1477	AVRG		7.4212
91)AMC Benzo(a)pyrene	0.8859346	1.0345073	1.1327919	1.0773565	1.1230202	1.1006748				
	1.0796540	1.1349969					1.0711	AVRG		7.6660
92)AM Indeno(1,2,3-cd)pyrene	1.0103277	1.1054886	1.2035809	1.1457652	1.1869090	1.1970513				
	1.2016190	1.1710609					1.1527	AVRG		5.7734
93)AM Dibenzo(a,h)anthracene	1.0225830	1.1114288	1.2229333	1.1668748	1.2155648	1.1999139				
	1.2129524	1.1447052					1.1621	AVRG		5.9022
94)AM Benzo(ghi)perylene	1.0932391	1.1630604	1.2147198	1.1390197	1.1771792	1.1822234				
	1.1954715	1.2090772					1.1717	AVRG		3.4217
95)A Dibenzo(a,e)pyrene		1.0004339	0.9596330	1.0053620	1.0385514	0.9515651				
	1.0492168	1.0625071					1.0096	AVRG		4.2743
97)BM 1,4-Dioxane		0.4267158	0.4151859	0.4221678	0.4134993	0.4362193				
	0.4302697	0.4105317	0.4200311	0.4287008			0.4226	AVRG		2.0299
98)B Methyl methacrylate		0.4603777	0.4636617	0.4669566	0.4627041	0.4910371				
	0.4793250	0.4598095	0.4666083	0.4840767			0.4705	AVRG		2.4186
99)B Ethyl methacrylate		0.7163951	0.7211877	0.7340235	0.7323700	0.7438328				
	0.7140513	0.7217287	0.7297062	0.7401525			0.7282	AVRG		1.4333
100)B 2-Picoline		1.1872307	1.1950570	1.1991499	1.1997411	1.2031202				
	1.1752236	1.1855045	1.1898777	1.2132646			1.1942	AVRG		0.9371
101)B N-Nitrosomethylethylamin		0.4121028	0.4165991	0.4260459	0.4314759	0.4365605				
	0.4315777	0.4345125	0.4100167	0.4392913			0.4265	AVRG		2.5643
102)B Methyl methanesulfonate		0.3991559	0.4149913	0.4102193	0.4125423	0.3957672				
	0.3897689	0.3931585	0.4161926	0.4014432			0.4037	AVRG		2.4742
103)B N-Nitrosodiethylamine		0.4264247	0.4340304	0.4496045	0.4489198	0.4652272				

Response Factor Report MSDB
GEL Laboratories, LLC

Method File : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Last Update : Thu Jul 03 09:56:08 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
	0.4682177	0.4725579	0.4490123	0.4542396			0.4520	AVRG		3.3794
104)B 2-Butoxyethanol		0.7787510	0.7843285	0.8067639	0.7974001	0.8036292				
	0.7901421	0.7956740	0.7981917	0.7949722			0.7944	AVRG		1.1151
105)B Ethyl methanesulfonate		0.6737306	0.6726192	0.6762393	0.6725302	0.6814034				
	0.6639900	0.6772933	0.6896770	0.6710938			0.6754	AVRG		1.0621
106)BM Benzaldehyde		0.6321801	0.6940584	0.6878977	0.6823446	0.6631988				
	0.6387773	0.6284240	0.6990745	0.6755644			0.6668	AVRG		4.1129
107)B Pentachloroethane		0.4969703	0.5076105	0.5128141	0.5077746	0.5151753				
	0.5037508	0.5130165	0.4994979	0.5036133			0.5067	AVRG		1.2401
108)BM N-Nitrosopyrrolidine		0.3771261	0.4117663	0.4416259	0.4537270	0.4771862				
	0.4858657	0.4974613	0.4446172	0.4689849			0.4509	AVRG		8.4139
109)BM Acetophenone		1.4689111	1.5012534	1.5113852	1.5277235	1.5280173				
	1.5331002	1.5293887	1.5386183	1.5071449			1.5162	AVRG		1.4374
110)B N-Nitrosomorpholine		0.2710720	0.2884639	0.2914475	0.2927020	0.2974118				
	0.2946393	0.3031553	0.3050097	0.2929130			0.2930	AVRG		3.3561
111)B o-Toluidine		1.7462960	1.7792687	1.7499371	1.7697441	1.7585312				
	1.7579722	1.7559047	1.8093932	1.7483836			1.7639	AVRG		1.1362
113)B N-Nitrosopiperidine		0.1444536	0.1517070	0.1596386	0.1599168	0.1615028				
	0.1598069	0.1609837	0.1600049	0.1597345			0.1575	AVRG		3.6115
114)B a,a-Dimethylphenethylami		0.3130580	0.3814536	0.4324430	0.4215458	0.4447483				
	0.4491161	0.4644724	0.4418077	0.4374317			0.4207	AVRG		11.0521
115)BM 2,6-Dichlorophenol		0.2836124	0.2999423	0.3068393	0.3075533	0.3086243				
	0.3138945	0.3132740	0.3083441	0.3080757			0.3056	AVRG		2.9978
116)B Hexachloropropene		0.1829911	0.1919650	0.1993473	0.1966833	0.2042552				
	0.2000245	0.2030312	0.2010092	0.2002490			0.1977	AVRG		3.3319
117)BM Caprolactam		0.0672711	0.0744297	0.0809990	0.0836370	0.0849729				
	0.0879158	0.0876394	0.0796347	0.0832451			0.0811	AVRG		8.1941

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Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
118)B N-Nitrosodi-n-butylamine		0.0484262	0.0535075	0.0578575	0.0558475	0.0579274				
	0.0581376	0.0578600	0.0566481	0.0566390			0.0559	AVRG		5.6412
119)B Safrole		0.2764870	0.2879330	0.3002810	0.2948655	0.2944182				
	0.3017166	0.2973039	0.2998442	0.2952289			0.2942	AVRG		2.6586
121)B 1,2,4,5-Tetrachlorobenze		0.6947888	0.6805628	0.6853056	0.6751411	0.6924883				
	0.6559920	0.6678232	0.6892268	0.6774346			0.6799	AVRG		1.8334
122)BM 1,1-Biphenyl		1.6765107	1.6660331	1.6509818	1.6296325	1.5960631				
	1.5380741	1.5225219	1.6689367	1.6112988			1.6178	AVRG		3.4952
123)B Isosafrole		0.5497194	0.5372622	0.5639180	0.5605618	0.5599968				
	0.5650737	0.5609174	0.5569973	0.5625099			0.5574	AVRG		1.5809
124)B 1,4-Naphthoquinone		0.4013106	0.4494493	0.4792343	0.4764065	0.4598125				
	0.4374334	0.4254646	0.4783738	0.4696871			0.4530	AVRG		5.9894
125)B Pentachlorobenzene		0.6571356	0.6612253	0.6604645	0.6549565	0.6591438				
	0.6478132	0.6618244	0.6526649	0.6468755			0.6558	AVRG		0.8599
126)B 1-Naphthylamine		1.2162928	1.2590060	1.3090651	1.3221923	1.3327910				
	1.3381517	1.3234123	1.3083270	1.3293248			1.3043	AVRG		3.1031
127)B 2-Naphthylamine		1.2841703	1.3281727	1.3744983	1.3641688	1.3795073				
	1.3441186	1.3596411	1.3846127	1.3683946			1.3541	AVRG		2.3340
128)B 5-Nitro-o-toluidine		0.3065225	0.3440073	0.3841223	0.3883163	0.4166553				
	0.4009638	0.4248915	0.3712911	0.3953205			0.3813	AVRG		9.6676
129)BM Tributylphosphate		1.1814190	1.2585128	1.3431737	1.3552098	1.3931758				
	1.3050502	1.3494745	1.3668350	1.3642418			1.3241	AVRG		5.0101
131)B 1,3,5-Trinitrobenzene		0.0374753	0.0399147	0.0436566	0.0455950	0.0483076				
	0.0486479	0.0509201	0.0439329	0.0471575			0.0451	AVRG		9.5981
132)B Phenacetin		0.2302246	0.2540402	0.2705890	0.2737262	0.2819221				
	0.2791236	0.2843578	0.2698243	0.2753410			0.2688	AVRG		6.3054
133)B Diallate		0.1469775	0.1516955	0.1570420	0.1578667	0.1586179				
	0.1565003	0.1563465	0.1602683	0.1575862			0.1559	AVRG		2.6091

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound b | m1 | m2	1 7	2 8	3 9	4 10	5	6	Avg	Curve	Exp	%RSD/r2
134)B Cis Diallate		0.1729147	0.1784653	0.1847553	0.1857255	0.1866093				
	0.1841180	0.1839370	0.1885509	0.1853956			0.1834	AVRG		2.6091
135)B Trans Diallate		0.3561583	0.3476809	0.3695134	0.3685989	0.3702832				
	0.3535444	0.3676051	0.3747659	0.3689264			0.3641	AVRG		2.5342
136)BM Atrazine		0.2049822	0.2099935	0.2104869	0.2092100	0.2054541				
	0.1964693	0.2019324	0.2194901	0.2104897			0.2076	AVRG		3.1116
137)B 4-Aminobiphenyl		0.8058967	0.8220012	0.8393970	0.8346992	0.8460556				
	0.7689699	0.8276251	0.8682120	0.8563417			0.8299	AVRG		3.5381
138)B Pentachloronitrobenzene		0.0664663	0.0698499	0.0744207	0.0745439	0.0763989				
	0.0710256	0.0753817	0.0720118	0.0737745			0.0727	AVRG		4.3151
139)B Pronamide		0.3005004	0.3146492	0.3273066	0.3298920	0.3359525				
	0.3097115	0.3349486	0.3331705	0.3285277			0.3239	AVRG		3.8700
140)B 4-Nitroquinoline-1-oxide -0.0098 | 0.0459 | 0.00	196638	8006	21586 38859	53444 99009	76077	143267		LINR	#	0.9925
141)B Methapyrilene		0.2155046	0.2507776	0.2649819	0.2604275	0.2701264				
	0.2334514	0.2619966	0.2748966	0.2724663			0.2561	AVRG		7.7363
142)B Isodrin		0.1248568	0.1240159	0.1264066	0.1279234	0.1323076				
	0.1199831	0.1343014	0.1312906	0.1311585			0.1280	AVRG		3.6178
144)B Aramite		0.1056033	0.1111065	0.1147500	0.1198135	0.1188191				
	0.1208633	0.1177181	0.1136792	0.1198459			0.1158	AVRG		4.3448
145)B Kepone		0.1006749	0.1070243	0.1090571	0.1122355	0.1131509				
	0.1047497	0.1125296	0.1114694	0.1098170			0.1090	AVRG		3.8142
146)B p-(Dimethylamino)azobenz		0.1946305	0.2076923	0.2253095	0.2287902	0.2303316				
	0.2257895	0.2271797	0.2199461	0.2275362			0.2208	AVRG		5.4144
147)B Chlorobenzilate		0.2976452	0.2995928	0.3207572	0.3253555	0.3284162				
	0.3302728	0.3291721	0.3143400	0.3296600			0.3195	AVRG		4.0341
148)B 2-Acetylaminofluorene		0.3273804	0.3728738	0.4050428	0.4182786	0.4469202				

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For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b m1 m2	7	8	9	10						
	0.4176732	0.4559083	0.3993609	0.4363214			0.4089	AVRG		9.7147
150)B 7,12-Dimethylbenz(a)anth		0.4857197	0.5061961	0.5233558	0.5460525	0.5456206				
	0.5508779	0.5633786	0.5243616	0.5475116			0.5326	AVRG		4.6483
151)B 3-Methylcholanthrene		0.1189902	0.1277613	0.1330035	0.1377671	0.1437557				
	0.1420183	0.1510276	0.1343016	0.1421743			0.1368	AVRG		6.9725
153)JM Sulfolane		0.0608831	0.0631484	0.0611535	0.0616475	0.0596410				
	0.0607078	0.0601571	0.0635738	0.0606041			0.0613	AVRG		2.1427
155)JM Prometon		0.1729889	0.1815359	0.1914628	0.1894311	0.1974664				
	0.1883700	0.1997335	0.1906123	0.1932249			0.1894	AVRG		4.2743
156)JM Benzidine		0.6112261	0.6552659	0.6869120	0.6619700	0.7316800				
	0.6358985	0.7623707	0.7200974	0.7238770			0.6877	AVRG		7.2914
158)JM 3,3'-Dimethylbenzidine		0.6389874	0.6825248	0.7035531	0.7016451	0.7264048				
	0.6909687	0.7290772	0.7127137	0.7294594			0.7017	AVRG		4.1152
159)JM 3,3'-Dichlorobenzidine		0.4154783	0.4338814	0.4542719	0.4446802	0.4790780				
	0.4611109	0.4908684	0.4595368	0.4801826			0.4577	AVRG		5.2444
161)D Triethylphosphorothioate		0.2026248	0.1944793	0.1938998	0.1906401	0.1988100				
	0.1974050	0.1959729					0.1963	AVRG		1.9594
163)D Thionazine		0.2015384	0.1930178	0.2021776	0.2039368	0.2146346				
	0.2099958	0.2101319					0.2051	AVRG		3.4982
165)D Sulfotepp		0.1371931	0.1371097	0.1441888	0.1498915	0.1500300				
	0.1502063	0.1518030					0.1458	AVRG		4.3591
166)D Phorate		0.1231951	0.1220431	0.1261451	0.1273542	0.1312012				
	0.1275633	0.1307622					0.1269	AVRG		2.7289
167)D Dimethoate		0.1973706	0.1990815	0.2104389	0.2168402	0.2317729				
	0.2244470	0.2244802					0.2149	AVRG		6.1517
168)D Disulfoton		0.2984756	0.2819974	0.2891522	0.2947293	0.2963512				
	0.2896110	0.2861518					0.2909	AVRG		2.0252

Response Factor Report MSDB
GEL Laboratories, LLC

Method File : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Last Update : Thu Jul 03 09:56:08 2025
Integrator : (RTE Integrator) Response via : Initial Calibration

For Linear Calibration: x = concentration ratio, y = response ratio. y = b + m1(x) + m2(xE2)

Compound	1	2	3	4	5	6	Avg	Curve	Exp	%RSD/r2
b | m1 | m2	7	8	9	10						
169)D Methyl parathion		0.1477768	0.1549057	0.1728015	0.1806669	0.1969005				
	0.1942604	0.1940778					0.1773	AVRG		11.1786
170)D Parathion		0.0650298	0.0734049	0.0829772	0.0865316	0.0977185				
	0.0955881	0.0975247					0.0855	AVRG		14.8520
172)D Famphur		0.3787923	0.3875526	0.4056299	0.4159832	0.4422833				
	0.4246742	0.4350429					0.4129	AVRG		5.7323
174)E p-Phenylenediamine		0.4527301	0.4485767	0.4551628	0.4596637	0.4576416				
	0.4507076						0.4541	AVRG		0.9266
176)E Hexachlorophene		1833485	2587823	3393174	3813605	4330714		1/x^2		
-0.7242 | 0.1421 | 0.00	4759632							LINR		0.9937

(#) = Out of Range ($) = Individual RF Out of Range
AVRG = Average, LINR = Linear Regression, 1/x = the inverse of concentration, 1/x^2 = the inverse square of concentration

Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2702.D
Acq On : 27 Jun 2025 17:24
Operator : NM1
InstName : MSDB
Sample : |WBN250513-01.1|ICAL|1|SVM|1|M-1
Misc : MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 09:59:13 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.323	4.321	1.000	390904	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.700	5.697	1.000	1366702	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	713784	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.736	8.730	1.000	1438578	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.262	11.259	1.000	1574602	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.643	13.635	1.000	1543816	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.323	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.700	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.736	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.262	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.643	13.631	1.000	0m	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	5.700	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.736	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.262	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.700	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.736	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.262	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.700	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.643	13.649	1.000	0m	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.084	3.085	0.714	9240	0.86	ng/uL	0.00
8) Phenol-d5	99	3.893	3.894	0.900	10382	0.84	ng/uL	0.00
23) Nitrobenzene-d5	82	4.909	4.908	0.861	6656	0.82	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.786	6.782	0.915	25439	0.93	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	8.126	8.118	1.095	3906	0.67	ng/uL	0.00
79) p-Terphenyl-d14	244	10.098	10.093	1.156	31865	0.82	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
33) Naphthalene	128	5.721	5.722	1.004	33985	0.98	ng/uL	99
37) 2-Methylnaphthalene	142	6.432	6.427	1.128	20042	0.90	ng/uL	97
38) 1-Methylnaphthalene	142	6.529	6.524	1.145	21312	0.92	ng/uL	99
45) 2-Chloronaphthalene	162	6.900	6.896	0.930	20367	0.91	ng/uL	96
50) Dimethylphthalate	163	7.164	7.160	0.966	22416	0.89	ng/uL	100
53) Acenaphthylene	152	7.289	7.286	0.983	32084	0.87	ng/uL	98
54) Acenaphthene	154	7.449	7.446	1.004	19954	0.91	ng/uL	92
55) 2,4-Dinitrophenol	184	7.473	7.463	1.008	856	6.39	ng/uL#	19
58) Diethylphthalate	149	7.799	7.798	1.051	21218	0.90	ng/uL	98
60) Fluorene	166	7.914	7.909	1.067	23457	0.89	ng/uL	97
65) 2-Methyl-4,6-dinitroph...	198	7.949	7.944	0.910	1625	4.56	ng/uL#	24
70) Pentachlorophenol	266	8.563	8.560	0.980	4228	4.02	ng/uL	92
72) Dinoseb	211	8.716	8.709	0.998	2616	5.55	ng/uL	87
73) Phenanthrene	178	8.757	8.751	1.002	39465	0.99	ng/uL	95
74) Anthracene	178	8.803	8.797	1.008	36412	0.91	ng/uL	99
75) Carbazole	167	8.931	8.929	1.022	31305	0.87	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2702.D
Acq On : 27 Jun 2025 17:24
Operator : NM1
InstName : MSDB
Sample : |WBN250513-01.1|ICAL|1|SVM|1|M-1
Misc : MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 09:59:13 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

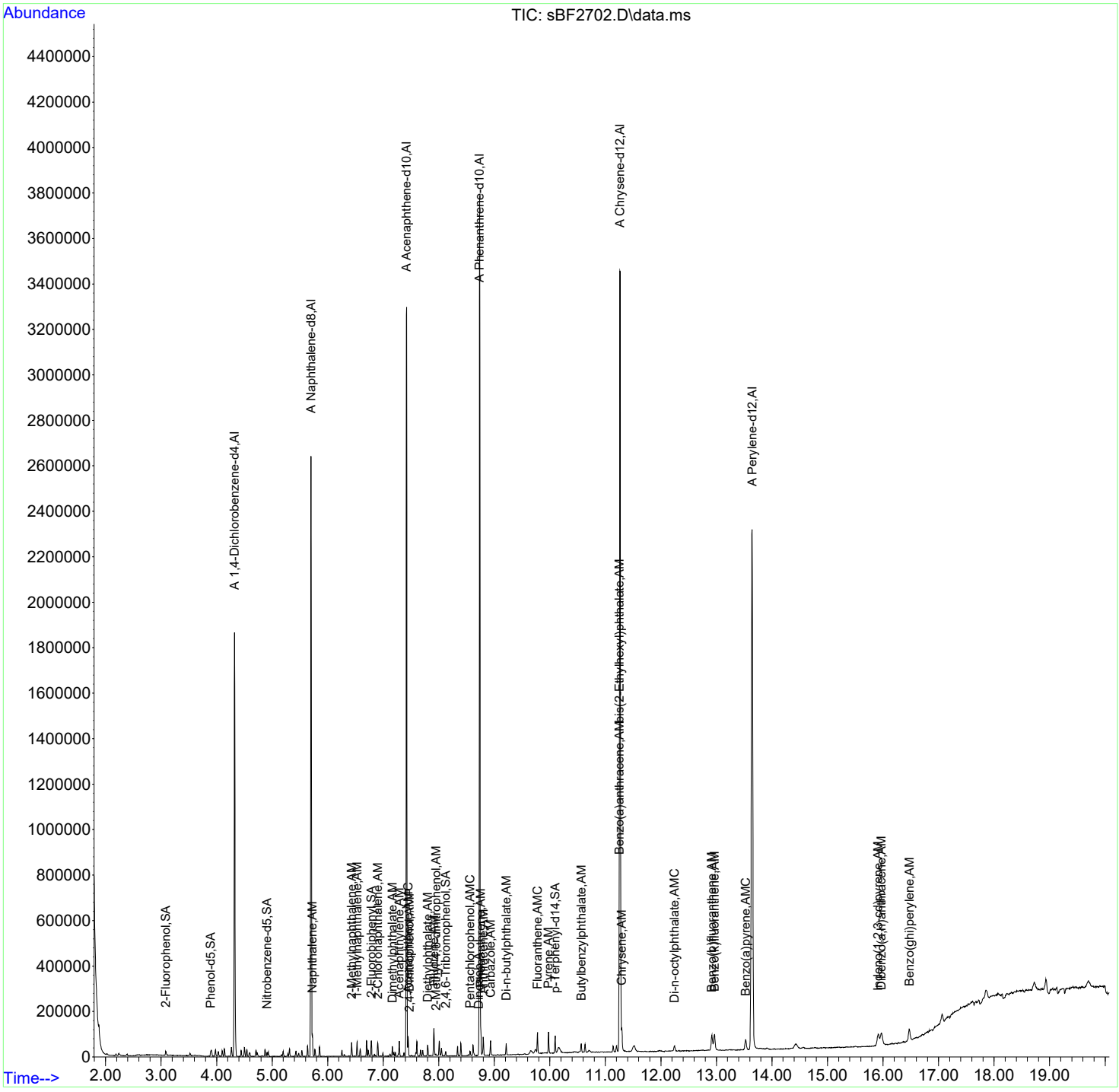
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
76)	Di-n-butylphthalate	149	9.216	9.210	1.055	31519	0.79	ng/uL	98
77)	Fluoranthene	202	9.778	9.773	1.119	39326	0.87	ng/uL	99
78)	Pyrene	202	9.976	9.972	1.142	39949	0.86	ng/uL	99
81)	Butylbenzylphthalate	149	10.567	10.559	0.938	11661	0.73	ng/uL	95
82)	bis(2-Ethylhexyl)phtha...	149	11.251	11.245	0.999	17650	0.70	ng/uL	98
83)	Benzo(a)anthracene	228	11.248	11.245	0.999	42323	0.92	ng/uL	97
84)	Chrysene	228	11.297	11.295	1.003	41098	0.96	ng/uL	99
87)	Di-n-octylphthalate	149	12.245	12.237	1.087	25838	1.01	ng/uL	98
89)	Benzo(b)fluoranthene	252	12.916	12.915	0.947	39315	0.90	ng/uL	98
90)	Benzo(k)fluoranthene	252	12.965	12.964	0.950	37606	0.85	ng/uL	97
91)	Benzo(a)pyrene	252	13.524	13.524	0.991	34193	0.83	ng/uL	99
92)	Indeno(1,2,3-cd)pyrene	276	15.910	15.913	1.166	38994	0.88	ng/uL	99
93)	Dibenzo(a,h)anthracene	278	15.972	15.972	1.171	39467	0.88	ng/uL	99
94)	Benzo(ghi)perylene	276	16.474	16.477	1.208	42194	0.93	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2702.D
Acq On : 27 Jun 2025 17:24
Operator : NM1
InstName : MSDB
Sample : |WBN250513-01.1|ICAL|1|SVM|1|M-1
Misc : MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 03 09:59:13 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2703.D
Acq On : 27 Jun 2025 17:48
Operator : NM1
InstName : MSDB
Sample : |WBN250513-02.1|ICAL|1|SVM|1|M-2
Misc : MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 09:59:48 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.321	4.321	1.000	357415	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	1304982	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.415	7.414	1.000	734253	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.733	8.730	1.000	1596018	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.257	11.259	1.000	1654922	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.632	13.635	1.000	1859869	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.321	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.415	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.733	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.257	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.632	13.631	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.733	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.257	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.415	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.733	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.257	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.632	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.085	3.085	0.714	98021	10.02	ng/uL	0.00
8) Phenol-d5	99	3.894	3.894	0.901	117104	10.36	ng/uL	0.00
23) Nitrobenzene-d5	82	4.908	4.908	0.861	73430	9.48	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.783	6.782	0.915	310257	11.06	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	8.118	8.118	1.095	57090	9.53	ng/uL	0.00
79) p-Terphenyl-d14	244	10.092	10.093	1.156	428313	9.88	ng/uL	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.020	2.023	0.467	38874	10.26	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.183	2.186	0.505	47803	9.74	ng/uL	98
4) Pyridine	79	2.228	2.228	0.516	93283	10.12	ng/uL	99
6) p-Benzoquinone	108	3.519	3.522	0.814	46534	9.68	ng/uL	99
7) Aniline	93	3.977	3.981	0.920	148812	10.35	ng/uL	100
9) Phenol	94	3.908	3.908	0.904	122285	10.49	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.029	4.029	0.933	94311	10.67	ng/uL	99
11) 2-Chlorophenol	128	4.099	4.099	0.949	120174	10.48	ng/uL	98
12) n-Decane	43	4.137	4.140	0.957	62896	10.49	ng/uL	100
13) 1,3-Dichlorobenzene	146	4.265	4.265	0.987	137524	10.28	ng/uL	98
14) 1,4-Dichlorobenzene	146	4.338	4.338	1.004	140042	10.38	ng/uL	99
15) 1,2-Dichlorobenzene	146	4.501	4.502	1.042	132777	10.30	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	4.592	4.592	1.063	83982	10.37	ng/uL	100
17) Benzyl alcohol	108	4.439	4.443	1.027	62474	9.48	ng/uL	98
18) o-Cresol	107	4.543	4.543	1.051	79151	9.85	ng/uL	99
19) m,p-Cresols	108	4.706	4.710	1.089	95764	9.72	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2703.D
Acq On : 27 Jun 2025 17:48
Operator : NM1
InstName : MSDB
Sample : |WBN250513-02.1|ICAL|1|SVM|1|M-2
Misc : MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 09:59:48 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	4.731	4.735	1.095	46841	9.68	ng/uL	98
21)	Hexachloroethane	117	4.869	4.870	1.127	38636	9.79	ng/uL	96
24)	Nitrobenzene	77	4.928	4.929	0.865	73915	9.70	ng/uL	98
25)	Isophorone	82	5.196	5.197	0.912	144286	9.56	ng/uL	100
26)	2-Nitrophenol	139	5.282	5.280	0.927	49715	8.65	ng/uL	96
27)	2,4-Dimethylphenol	122	5.310	5.311	0.932	96425	9.90	ng/uL	97
28)	bis(2-Chloroethoxy)met...	93	5.425	5.426	0.952	112826	10.07	ng/uL	99
29)	2,4-Dichlorophenol	162	5.533	5.534	0.971	97289	9.51	ng/uL	99
30)	Benzoic acid	105	5.342	5.370	0.937	32512	12.72	ng/uL	94
31)	1,2,4-Trichlorobenzene	180	5.633	5.635	0.988	120370	10.32	ng/uL	100
32)	alpha-Terpineol	59	5.724	5.725	1.004	52840	10.30	ng/uL	100
33)	Naphthalene	128	5.720	5.722	1.004	349874	10.55	ng/uL	100
34)	4-Chloroaniline	127	5.769	5.767	1.012	139752	10.07	ng/uL	100
35)	Hexachlorobutadiene	225	5.852	5.850	1.027	63931	10.20	ng/uL	97
36)	4-Chloro-3-methylphenol	107	6.255	6.253	1.097	88228	10.15	ng/uL	99
37)	2-Methylnaphthalene	142	6.428	6.427	1.128	225567	10.60	ng/uL	100
38)	1-Methylnaphthalene	142	6.526	6.524	1.145	247171	11.17	ng/uL	100
40)	Hexachlorocyclopentadiene	237	6.581	6.583	0.888	83012	9.71	ng/uL	99
41)	2,3-Dichloroaniline	161	6.699	6.698	0.903	135287	10.34	ng/uL	98
42)	2,4,6-Trichlorophenol	196	6.696	6.694	0.903	75787	9.60	ng/uL	99
43)	2,4,5-Trichlorophenol	196	6.727	6.726	0.907	86254	10.13	ng/uL	98
45)	2-Chloronaphthalene	162	6.898	6.896	0.930	238046	10.29	ng/uL	100
46)	o-Nitroaniline	138	6.988	6.990	0.942	61103	8.54	ng/uL	97
47)	1,4-Dinitrobenzene	168	7.116	7.119	0.960	27514	7.97	ng/uL	95
48)	m-Dinitrobenzene	168	7.186	7.188	0.969	33914	8.54	ng/uL	90
49)	m-Nitroaniline	138	7.367	7.369	0.993	56427	8.71	ng/uL	97
50)	Dimethylphthalate	163	7.158	7.160	0.965	271333	10.50	ng/uL	99
51)	2,6-Dinitrotoluene	165	7.214	7.216	0.973	51740	9.04	ng/uL	96
52)	2,4-Dinitrotoluene	165	7.582	7.582	1.023	72369	9.20	ng/uL	95
53)	Acenaphthylene	152	7.287	7.286	0.983	412411	10.89	ng/uL	99
54)	Acenaphthene	154	7.447	7.446	1.004	232059	10.25	ng/uL	97
55)	2,4-Dinitrophenol	184	7.464	7.463	1.007	22270	12.07	ng/uL	96
56)	Dibenzofuran	168	7.603	7.603	1.025	376786	11.05	ng/uL	100
57)	2,3,4,6-Tetrachlorophenol	232	7.704	7.707	1.039	70906	9.37	ng/uL	98
58)	Diethylphthalate	149	7.798	7.798	1.052	261518	10.80	ng/uL	99
59)	4-Nitrophenol	109	7.499	7.502	1.011	15602	10.32	ng/uL	95
60)	Fluorene	166	7.909	7.909	1.067	283223	10.47	ng/uL	99
61)	4-Chlorophenylphenylether	204	7.902	7.905	1.066	136660	10.01	ng/uL	100
62)	p-Nitroaniline	138	7.913	7.919	1.067	53576	8.58	ng/uL	98
65)	2-Methyl-4,6-dinitroph...	198	7.944	7.944	0.910	31023	10.09	ng/uL	95
66)	Diphenylamine	169	8.003	8.006	0.916	250229	9.76	ng/uL	99
67)	1,2-Diphenylhydrazine	77	8.045	8.045	0.921	174567	10.02	ng/uL	99
68)	4-Bromophenylphenylether	248	8.333	8.333	0.954	90704	9.18	ng/uL	98
69)	Hexachlorobenzene	284	8.392	8.393	0.961	116029	9.59	ng/uL	99
70)	Pentachlorophenol	266	8.559	8.560	0.980	58203	10.47	ng/uL	99
71)	n-Octadecane	57	8.611	8.612	0.986	107437	9.33	ng/uL	99
72)	Dinoseb	211	8.709	8.709	0.997	48345	11.05	ng/uL	98
73)	Phenanthrene	178	8.751	8.751	1.002	458844	10.36	ng/uL	100
74)	Anthracene	178	8.796	8.797	1.007	423030	9.53	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2703.D
Acq On : 27 Jun 2025 17:48
Operator : NM1
InstName : MSDB
Sample : |WBN250513-02.1|ICAL|1|SVM|1|M-2
Misc : MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 09:59:48 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

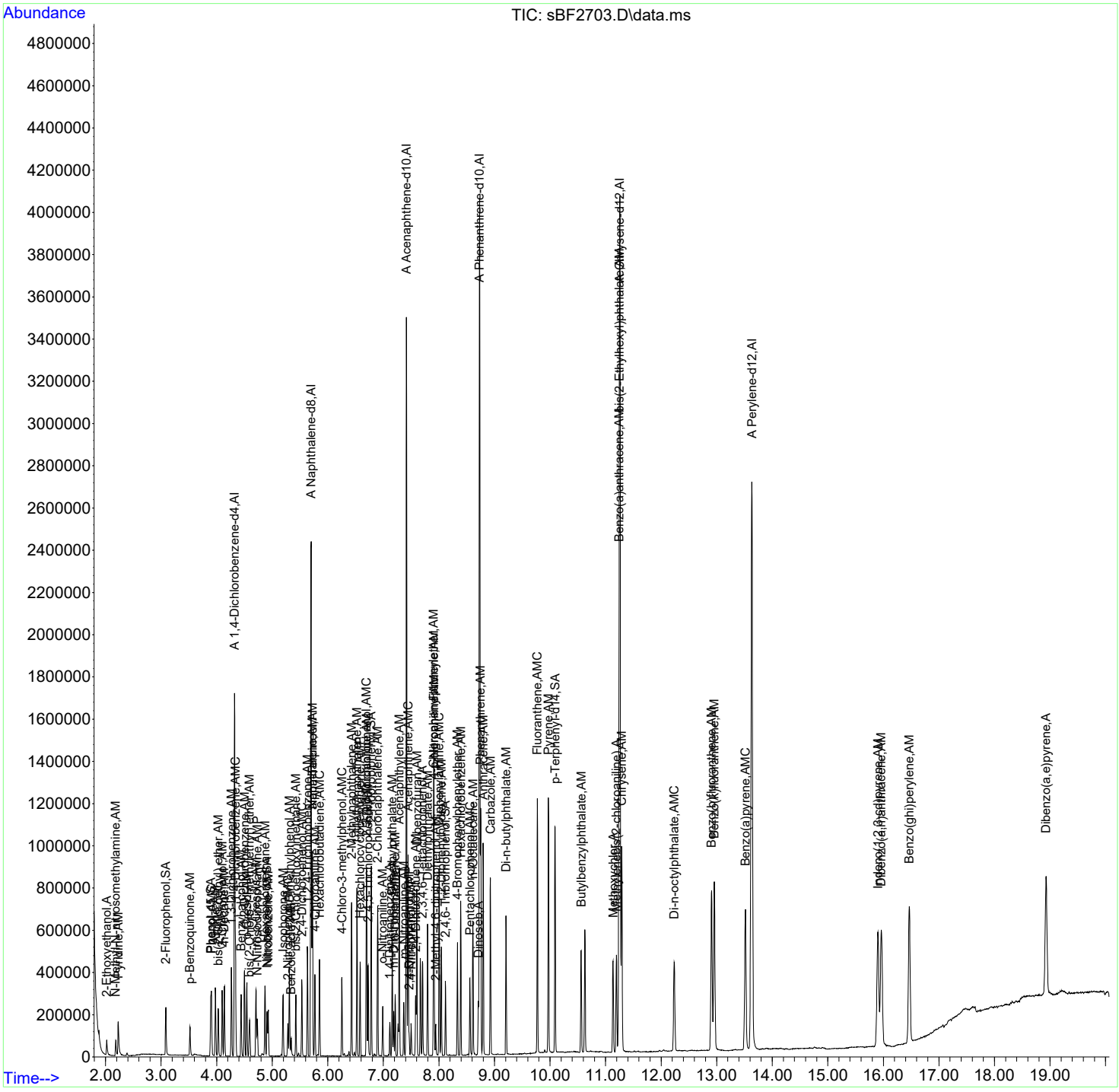
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	8.928	8.929	1.022	373106	9.33	ng/uL	100
76) Di-n-butylphthalate	149	9.209	9.210	1.055	393811	8.94	ng/uL	99
77) Fluoranthene	202	9.772	9.773	1.119	494627	9.90	ng/uL	99
78) Pyrene	202	9.970	9.972	1.142	518277	10.11	ng/uL	99
81) Butylbenzylphthalate	149	10.561	10.559	0.938	157750	9.44	ng/uL	97
82) bis(2-Ethylhexyl)phtha...	149	11.247	11.245	0.999	248704	9.32	ng/uL	100
83) Benzo(a)anthracene	228	11.243	11.245	0.999	488041	10.13	ng/uL	99
84) Chrysene	228	11.292	11.295	1.003	468390	10.43	ng/uL	100
85) Methoxychlor	227	11.135	11.137	0.989	229488	8.52	ng/uL	99
86) Methylenebis(2-chloroa...	231	11.194	11.196	0.994	82838	8.85	ng/uL	99
87) Di-n-octylphthalate	149	12.234	12.237	1.087	415048	9.63	ng/uL	99
89) Benzo(b)fluoranthene	252	12.908	12.915	0.947	513172	9.74	ng/uL	99
90) Benzo(k)fluoranthene	252	12.957	12.964	0.951	542815	10.17	ng/uL	99
91) Benzo(a)pyrene	252	13.517	13.524	0.992	481012	9.66	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	15.903	15.913	1.167	514016	9.59	ng/uL	99
93) Dibenzo(a,h)anthracene	278	15.962	15.972	1.171	516778	9.56	ng/uL	99
94) Benzo(ghi)perylene	276	16.467	16.477	1.208	540785	9.93	ng/uL	99
95) Dibenzo(a,e)pyrene	302	18.930	18.941	1.389	465169	9.91	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2703.D
Acq On : 27 Jun 2025 17:48
Operator : NM1
InstName : MSDB
Sample : |WBN250513-02.1|ICAL|1|SVM|1|M-2
Misc : MIX[A]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 03 09:59:48 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2704.D
Acq On : 27 Jun 2025 18:12
Operator : NM1
InstName : MSDB
Sample : |WBN250513-03.1|ICAL|1|SVM|1|M-3
Misc : MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 10:01:28 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.321	4.321	1.000	376350	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.700	5.697	1.000	1448393	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.416	7.414	1.000	791421	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.731	8.730	1.000	1488864	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	1911702	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.632	13.635	1.000	1938266	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.321	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.700	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.416	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.731	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.632	13.631	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.700	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.731	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.700	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.416	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.731	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.700	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.632	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.085	3.085	0.714	217456	21.10	ng/uL	0.00
8) Phenol-d5	99	3.893	3.894	0.901	238378	20.02	ng/uL	0.00
23) Nitrobenzene-d5	82	4.908	4.908	0.861	177714	20.68	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.780	6.782	0.914	617329	20.41	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	8.119	8.118	1.095	119391	18.49	ng/uL	0.00
79) p-Terphenyl-d14	244	10.090	10.093	1.156	927321	22.92	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.023	2.023	0.468	85558	21.43	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.182	2.186	0.505	110140	21.32	ng/uL	99
4) Pyridine	79	2.227	2.228	0.516	197721	20.38	ng/uL	100
6) p-Benzoquinone	108	3.522	3.522	0.815	98312	19.43	ng/uL	99
7) Aniline	93	3.977	3.981	0.920	313074	20.68	ng/uL	100
9) Phenol	94	3.907	3.908	0.904	248981	20.29	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.029	4.029	0.932	192806	20.71	ng/uL	100
11) 2-Chlorophenol	128	4.098	4.099	0.949	245495	20.32	ng/uL	99
12) n-Decane	43	4.140	4.140	0.958	137265	21.74	ng/uL	98
13) 1,3-Dichlorobenzene	146	4.265	4.265	0.987	293897	20.87	ng/uL	99
14) 1,4-Dichlorobenzene	146	4.338	4.338	1.004	297441	20.94	ng/uL	99
15) 1,2-Dichlorobenzene	146	4.501	4.502	1.042	286331	21.09	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	4.591	4.592	1.063	181604	21.31	ng/uL	99
17) Benzyl alcohol	108	4.442	4.443	1.028	140168	20.19	ng/uL	98
18) o-Cresol	107	4.543	4.543	1.051	176667	20.89	ng/uL	99
19) m,p-Cresols	108	4.710	4.710	1.090	216818	20.90	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2704.D
Acq On : 27 Jun 2025 18:12
Operator : NM1
InstName : MSDB
Sample : |WBN250513-03.1|ICAL|1|SVM|1|M-3
Misc : MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 10:01:28 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	4.734	4.735	1.096	108130	21.23	ng/uL	100
21)	Hexachloroethane	117	4.869	4.870	1.127	92803	22.34	ng/uL	99
24)	Nitrobenzene	77	4.928	4.929	0.865	176121	20.82	ng/uL	99
25)	Isophorone	82	5.196	5.197	0.912	333152	19.89	ng/uL	100
26)	2-Nitrophenol	139	5.283	5.280	0.927	125642	19.70	ng/uL	99
27)	2,4-Dimethylphenol	122	5.310	5.311	0.932	232122	21.47	ng/uL	100
28)	bis(2-Chloroethoxy)met...	93	5.425	5.426	0.952	263688	21.21	ng/uL	99
29)	2,4-Dichlorophenol	162	5.533	5.534	0.971	233277	20.55	ng/uL	99
30)	Benzoic acid	105	5.356	5.370	0.940	98695	20.42	ng/uL	96
31)	1,2,4-Trichlorobenzene	180	5.633	5.635	0.988	272890	21.07	ng/uL	99
32)	alpha-Terpineol	59	5.724	5.725	1.004	123297	21.66	ng/uL	99
33)	Naphthalene	128	5.720	5.722	1.004	796385	21.63	ng/uL	99
34)	4-Chloroaniline	127	5.769	5.767	1.012	315651	20.49	ng/uL	99
35)	Hexachlorobutadiene	225	5.849	5.850	1.026	136405	19.61	ng/uL	99
36)	4-Chloro-3-methylphenol	107	6.252	6.253	1.097	200322	20.76	ng/uL	99
37)	2-Methylnaphthalene	142	6.425	6.427	1.127	468195	19.83	ng/uL	98
38)	1-Methylnaphthalene	142	6.526	6.524	1.145	485948	19.79	ng/uL	100
40)	Hexachlorocyclopentadiene	237	6.582	6.583	0.887	173325	18.80	ng/uL	98
41)	2,3-Dichloroaniline	161	6.696	6.698	0.903	277353	19.67	ng/uL	99
42)	2,4,6-Trichlorophenol	196	6.696	6.694	0.903	165480	19.44	ng/uL	99
43)	2,4,5-Trichlorophenol	196	6.724	6.726	0.907	174296	19.00	ng/uL	99
45)	2-Chloronaphthalene	162	6.898	6.896	0.930	537264	21.54	ng/uL	100
46)	o-Nitroaniline	138	6.989	6.990	0.942	149500	19.38	ng/uL	98
47)	1,4-Dinitrobenzene	168	7.117	7.119	0.960	69617	18.71	ng/uL	96
48)	m-Dinitrobenzene	168	7.187	7.188	0.969	81279	18.98	ng/uL	97
49)	m-Nitroaniline	138	7.368	7.369	0.993	138974	19.90	ng/uL	98
50)	Dimethylphthalate	163	7.159	7.160	0.965	565597	20.30	ng/uL	100
51)	2,6-Dinitrotoluene	165	7.215	7.216	0.973	127044	20.60	ng/uL	99
52)	2,4-Dinitrotoluene	165	7.583	7.582	1.023	153551	18.12	ng/uL	98
53)	Acenaphthylene	152	7.288	7.286	0.983	901893	22.09	ng/uL	99
54)	Acenaphthene	154	7.444	7.446	1.004	536223	21.98	ng/uL	98
55)	2,4-Dinitrophenol	184	7.462	7.463	1.006	58840	20.65	ng/uL	98
56)	Dibenzofuran	168	7.601	7.603	1.025	714667	19.45	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	7.705	7.707	1.039	152420	18.69	ng/uL	98
58)	Diethylphthalate	149	7.796	7.798	1.051	508866	19.50	ng/uL	99
59)	4-Nitrophenol	109	7.500	7.502	1.011	33933	18.68	ng/uL	99
60)	Fluorene	166	7.910	7.909	1.067	590067	20.24	ng/uL	99
61)	4-Chlorophenylphenylether	204	7.903	7.905	1.066	289219	19.66	ng/uL	100
62)	p-Nitroaniline	138	7.914	7.919	1.067	121004	17.98	ng/uL	99
65)	2-Methyl-4,6-dinitroph...	198	7.942	7.944	0.910	78698	20.18	ng/uL	99
66)	Diphenylamine	169	8.004	8.006	0.917	499513	20.89	ng/uL	100
67)	1,2-Diphenylhydrazine	77	8.043	8.045	0.921	347423	21.38	ng/uL	99
68)	4-Bromophenylphenylether	248	8.335	8.333	0.955	190716	20.69	ng/uL	98
69)	Hexachlorobenzene	284	8.394	8.393	0.961	230603	20.44	ng/uL	98
70)	Pentachlorophenol	266	8.557	8.560	0.980	131015	20.37	ng/uL	98
71)	n-Octadecane	57	8.613	8.612	0.986	229460	21.37	ng/uL	99
72)	Dinoseb	211	8.710	8.709	0.998	112315	19.77	ng/uL	98
73)	Phenanthrene	178	8.752	8.751	1.002	898497	21.74	ng/uL	100
74)	Anthracene	178	8.797	8.797	1.008	922207	22.27	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2704.D
Acq On : 27 Jun 2025 18:12
Operator : NM1
InstName : MSDB
Sample : |WBN250513-03.1|ICAL|1|SVM|1|M-3
Misc : MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 10:01:28 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

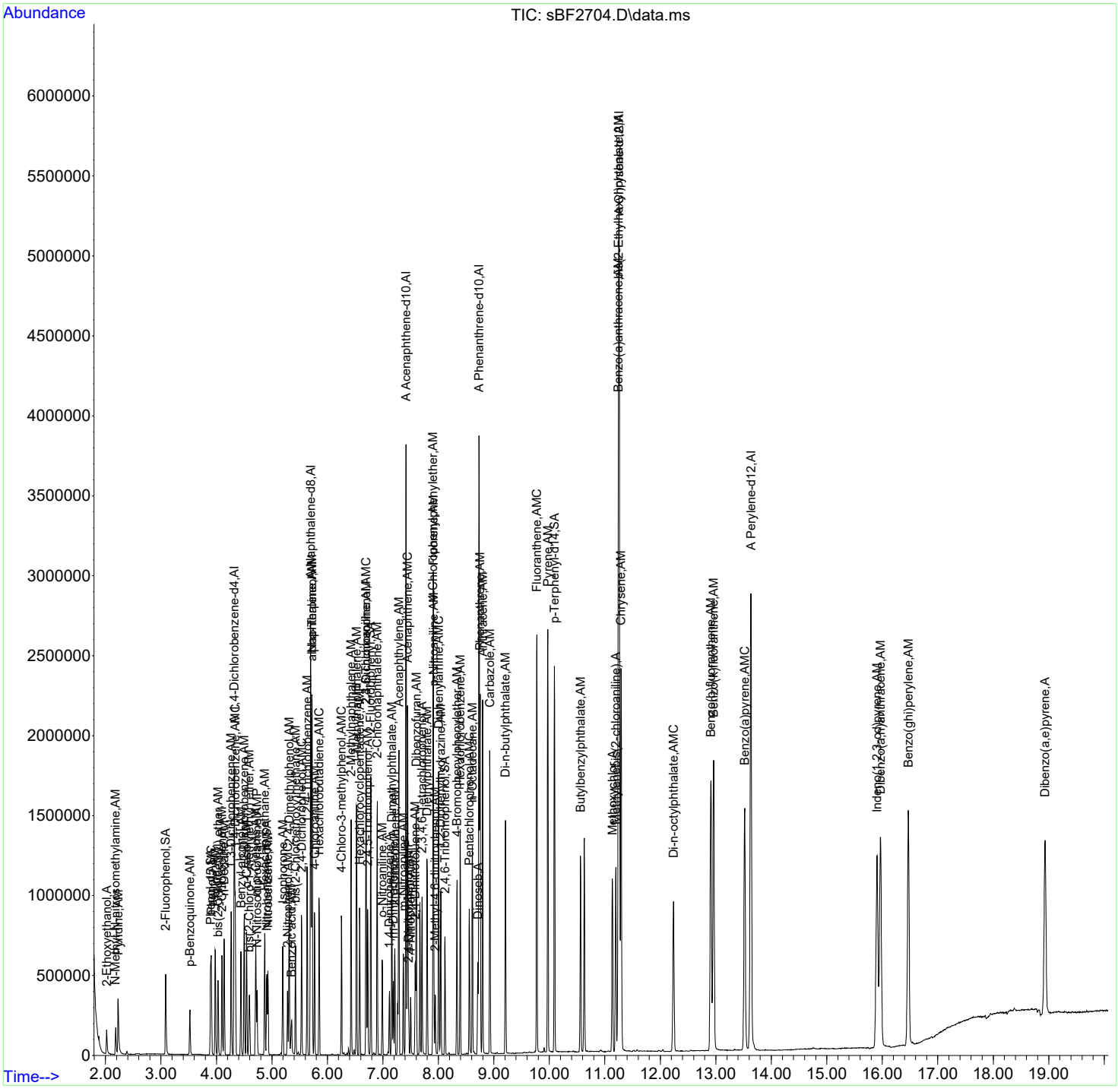
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	8.926	8.929	1.022	828683	22.21	ng/uL	100
76) Di-n-butylphthalate	149	9.208	9.210	1.055	891296	21.69	ng/uL	100
77) Fluoranthene	202	9.774	9.773	1.119	1098750	23.57	ng/uL	99
78) Pyrene	202	9.972	9.972	1.142	1120319	23.44	ng/uL	99
81) Butylbenzylphthalate	149	10.560	10.559	0.938	393208	20.37	ng/uL	99
82) bis(2-Ethylhexyl)phtha...	149	11.245	11.245	0.999	652951	21.19	ng/uL	98
83) Benzo(a)anthracene	228	11.242	11.245	0.998	1168710	21.01	ng/uL	99
84) Chrysene	228	11.291	11.295	1.003	1109559	21.39	ng/uL	99
85) Methoxychlor	227	11.134	11.137	0.989	583489	18.76	ng/uL	100
86) Methylenebis(2-chloroa...	231	11.197	11.196	0.994	205368	19.00	ng/uL	100
87) Di-n-octylphthalate	149	12.237	12.237	1.087	907523	17.87	ng/uL	100
89) Benzo(b)fluoranthene	252	12.911	12.915	0.947	1157772	21.09	ng/uL	99
90) Benzo(k)fluoranthene	252	12.960	12.964	0.951	1230686	22.13	ng/uL	99
91) Benzo(a)pyrene	252	13.520	13.524	0.992	1097826	21.15	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	15.906	15.913	1.167	1166430	20.88	ng/uL	99
93) Dibenzo(a,h)anthracene	278	15.968	15.972	1.171	1185185	21.05	ng/uL	99
94) Benzo(ghi)perylene	276	16.470	16.477	1.208	1177225	20.73	ng/uL	99
95) Dibenzo(a,e)pyrene	302	18.933	18.941	1.389	930012	19.01	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2704.D
Acq On : 27 Jun 2025 18:12
Operator : NM1
InstName : MSDB
Sample : |WBN250513-03.1|ICAL|1|SVM|1|M-3
Misc : MIX[A]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 03 10:01:28 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2705.D
Acq On : 27 Jun 2025 18:36
Operator : NM1
InstName : MSDB
Sample : |WBN250513-04.1|ICAL|1|SVM|1|M-4
Misc : MIX[A]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 09:51:09 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.321	4.321	1.000	388410	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.697	5.697	1.000	1396565	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.414	7.414	1.000	771474	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.730	8.730	1.000	1579388	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	1833174	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.635	13.635	1.000	1895199	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.321	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.697	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.414	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.730	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.635	13.631	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.697	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.730	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.697	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.414	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.730	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.697	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.635	13.649	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.085	3.085	0.714	416681	39.18	ng/uL	0.00
8) Phenol-d5	99	3.894	3.894	0.901	483222	39.32	ng/uL	0.00
23) Nitrobenzene-d5	82	4.908	4.908	0.862	326747	39.44	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.782	6.782	0.915	1156956	39.24	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	8.118	8.118	1.095	247986	39.40	ng/uL	0.00
79) p-Terphenyl-d14	244	10.093	10.093	1.156	1669653	38.91	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.023	2.023	0.468	161264	39.15	ng/uL	100
3) N-Methyl-N-nitrosometh...	74	2.186	2.186	0.506	209572	39.30	ng/uL	100
4) Pyridine	79	2.228	2.228	0.516	394952	39.45	ng/uL	100
6) p-Benzoquinone	108	3.522	3.522	0.815	203042	38.88	ng/uL	100
7) Aniline	93	3.981	3.981	0.921	621953	39.81	ng/uL	100
9) Phenol	94	3.908	3.908	0.904	499680	39.45	ng/uL	100
10) bis(2-Chloroethyl) ether	93	4.029	4.029	0.932	377455	39.29	ng/uL	100
11) 2-Chlorophenol	128	4.099	4.099	0.949	487776	39.13	ng/uL	100
12) n-Decane	43	4.140	4.140	0.958	262854	40.34	ng/uL	100
13) 1,3-Dichlorobenzene	146	4.265	4.265	0.987	566436	38.97	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.338	4.338	1.004	579079	39.50	ng/uL	100
15) 1,2-Dichlorobenzene	146	4.502	4.502	1.042	555592	39.65	ng/uL	100
16) bis(2-Chloro-1-methyle...	45	4.592	4.592	1.063	349966	39.78	ng/uL	100
17) Benzyl alcohol	108	4.443	4.443	1.028	282521	39.43	ng/uL	100
18) o-Cresol	107	4.543	4.543	1.051	344682	39.48	ng/uL	100
19) m,p-Cresols	108	4.710	4.710	1.090	418737	39.11	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2705.D
Acq On : 27 Jun 2025 18:36
Operator : NM1
InstName : MSDB
Sample : |WBN250513-04.1|ICAL|1|SVM|1|M-4
Misc : MIX[A]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 09:51:09 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	4.735	4.735	1.096	205811	39.15	ng/uL	100
21)	Hexachloroethane	117	4.870	4.870	1.127	168832	39.38	ng/uL	100
24)	Nitrobenzene	77	4.929	4.929	0.865	326784	40.06	ng/uL	100
25)	Isophorone	82	5.197	5.197	0.912	644201	39.88	ng/uL	100
26)	2-Nitrophenol	139	5.280	5.280	0.927	240378	39.09	ng/uL	100
27)	2,4-Dimethylphenol	122	5.311	5.311	0.932	418442	40.15	ng/uL	100
28)	bis(2-Chloroethoxy)met...	93	5.426	5.426	0.952	474993	39.63	ng/uL	100
29)	2,4-Dichlorophenol	162	5.534	5.534	0.971	431957	39.46	ng/uL	100
30)	Benzoic acid	105	5.370	5.370	0.943	235014	38.26	ng/uL	100
31)	1,2,4-Trichlorobenzene	180	5.635	5.635	0.989	489284	39.18	ng/uL	100
32)	alpha-Terpineol	59	5.725	5.725	1.005	221200	40.31	ng/uL	100
33)	Naphthalene	128	5.722	5.722	1.004	1420761	40.02	ng/uL	100
34)	4-Chloroaniline	127	5.767	5.767	1.012	587893	39.58	ng/uL	100
35)	Hexachlorobutadiene	225	5.850	5.850	1.027	266753	39.77	ng/uL	100
36)	4-Chloro-3-methylphenol	107	6.253	6.253	1.098	362948	39.01	ng/uL	100
37)	2-Methylnaphthalene	142	6.427	6.427	1.128	907705	39.87	ng/uL	100
38)	1-Methylnaphthalene	142	6.524	6.524	1.145	936651	39.56	ng/uL	100
40)	Hexachlorocyclopentadiene	237	6.583	6.583	0.888	348772	38.81	ng/uL	100
41)	2,3-Dichloroaniline	161	6.698	6.698	0.903	541519	39.41	ng/uL	100
42)	2,4,6-Trichlorophenol	196	6.694	6.694	0.903	322177	38.83	ng/uL	100
43)	2,4,5-Trichlorophenol	196	6.726	6.726	0.907	354214	39.61	ng/uL	100
45)	2-Chloronaphthalene	162	6.896	6.896	0.930	961694	39.56	ng/uL	100
46)	o-Nitroaniline	138	6.990	6.990	0.943	287506	38.23	ng/uL	100
47)	1,4-Dinitrobenzene	168	7.119	7.119	0.960	138842	38.27	ng/uL	100
48)	m-Dinitrobenzene	168	7.188	7.188	0.970	161997	38.81	ng/uL	100
49)	m-Nitroaniline	138	7.369	7.369	0.994	267870	39.34	ng/uL	100
50)	Dimethylphthalate	163	7.160	7.160	0.966	1084273	39.92	ng/uL	100
51)	2,6-Dinitrotoluene	165	7.216	7.216	0.973	235346	39.14	ng/uL	100
52)	2,4-Dinitrotoluene	165	7.582	7.582	1.023	325327	39.38	ng/uL	100
53)	Acenaphthylene	152	7.286	7.286	0.983	1594510	40.07	ng/uL	100
54)	Acenaphthene	154	7.446	7.446	1.004	960392	40.38	ng/uL	100
55)	2,4-Dinitrophenol	184	7.463	7.463	1.007	125596	37.89	ng/uL	100
56)	Dibenzofuran	168	7.603	7.603	1.025	1430976	39.94	ng/uL	100
57)	2,3,4,6-Tetrachlorophenol	232	7.707	7.707	1.039	316887	39.86	ng/uL	100
58)	Diethylphthalate	149	7.798	7.798	1.052	1032302	40.59	ng/uL	100
59)	4-Nitrophenol	109	7.502	7.502	1.012	74302	39.33	ng/uL	100
60)	Fluorene	166	7.909	7.909	1.067	1163047	40.92	ng/uL	100
61)	4-Chlorophenylphenylether	204	7.905	7.905	1.066	566808	39.53	ng/uL	100
62)	p-Nitroaniline	138	7.919	7.919	1.068	256928	39.17	ng/uL	100
65)	2-Methyl-4,6-dinitroph...	198	7.944	7.944	0.910	176293	37.94	ng/uL	100
66)	Diphenylamine	169	8.006	8.006	0.917	1003713	39.58	ng/uL	100
67)	1,2-Diphenylhydrazine	77	8.045	8.045	0.921	680871	39.50	ng/uL	100
68)	4-Bromophenylphenylether	248	8.333	8.333	0.955	378700	38.74	ng/uL	100
69)	Hexachlorobenzene	284	8.393	8.393	0.961	461376	38.55	ng/uL	100
70)	Pentachlorophenol	266	8.560	8.560	0.980	283541	37.97	ng/uL	100
71)	n-Octadecane	57	8.612	8.612	0.986	449067	39.42	ng/uL	100
72)	Dinoseb	211	8.709	8.709	0.998	254601	36.35	ng/uL	100
73)	Phenanthrene	178	8.751	8.751	1.002	1739877	39.68	ng/uL	100
74)	Anthracene	178	8.797	8.797	1.008	1782049	40.57	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2705.D
Acq On : 27 Jun 2025 18:36
Operator : NM1
InstName : MSDB
Sample : |WBN250513-04.1|ICAL|1|SVM|1|M-4
Misc : MIX[A]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 09:51:09 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

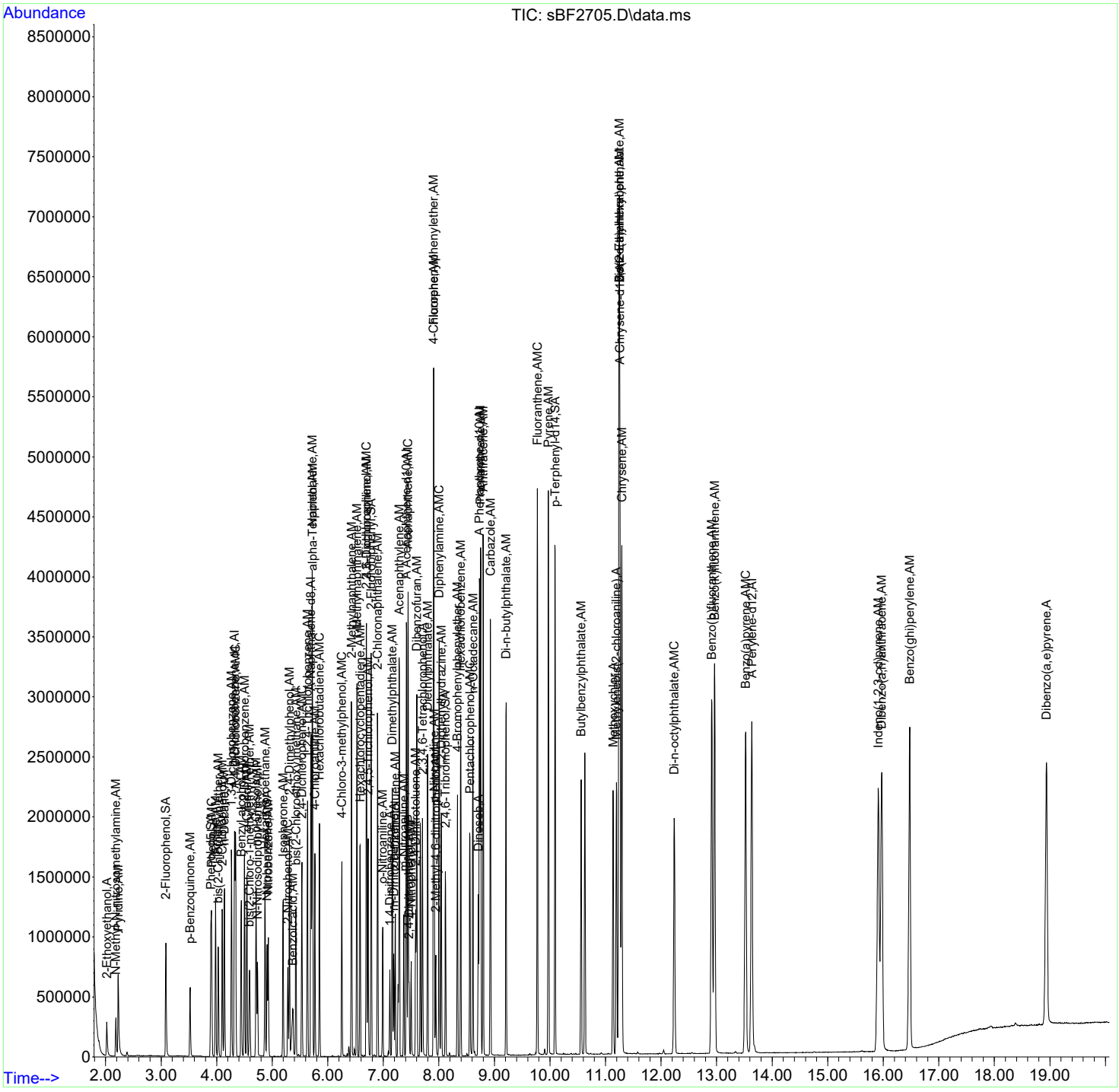
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	8.929	8.929	1.023	1627677	41.12	ng/uL	100
76) Di-n-butylphthalate	149	9.210	9.210	1.055	1805378	41.41	ng/uL	100
77) Fluoranthene	202	9.773	9.773	1.119	1972588	39.89	ng/uL	100
78) Pyrene	202	9.972	9.972	1.142	2028554	40.00	ng/uL	100
81) Butylbenzylphthalate	149	10.559	10.559	0.938	744637	40.23	ng/uL	100
82) bis(2-Ethylhexyl)phtha...	149	11.245	11.245	0.999	1214505	41.11	ng/uL	100
83) Benzo(a)anthracene	228	11.245	11.245	0.999	2137002	40.06	ng/uL	100
84) Chrysene	228	11.295	11.295	1.003	1987960	39.97	ng/uL	100
85) Methoxychlor	227	11.137	11.137	0.989	1177606	39.48	ng/uL	100
86) Methylenebis(2-chloroa...	231	11.196	11.196	0.994	404838	39.06	ng/uL	100
87) Di-n-octylphthalate	149	12.237	12.237	1.087	1918332	38.91	ng/uL	100
89) Benzo(b)fluoranthene	252	12.915	12.915	0.947	2120770	39.52	ng/uL	100
90) Benzo(k)fluoranthene	252	12.964	12.964	0.951	2227678	40.97	ng/uL	100
91) Benzo(a)pyrene	252	13.524	13.524	0.992	2041805	40.23	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	276	15.913	15.913	1.167	2171453	39.76	ng/uL	100
93) Dibenzo(a,h)anthracene	278	15.972	15.972	1.171	2211460	40.16	ng/uL	100
94) Benzo(ghi)perylene	276	16.477	16.477	1.208	2158669	38.88	ng/uL	100
95) Dibenzo(a,e)pyrene	302	18.941	18.941	1.389	1905361	39.83	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2705.D
Acq On : 27 Jun 2025 18:36
Operator : NM1
InstName : MSDB
Sample : |WBN250513-04.1|ICAL|1|SVM|1|M-4
Misc : MIX[A]
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 03 09:51:09 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2706.D
Acq On : 27 Jun 2025 19:00
Operator : NM1
InstName : MSDB
Sample : |WBN250513-05|ICAL|1|SVM|1|M-5
Misc : MIX[A]
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 09:51:12 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	413816	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.698	5.697	1.000	1463866	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.416	7.414	1.000	799043	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.732	8.730	1.000	1580584	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.261	11.259	1.000	1750884	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.630	13.635	1.000	1775748	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.698	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.416	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.261	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.630	13.631	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.698	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.261	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.698	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.416	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.732	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.261	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.698	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.630	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.085	3.085	0.714	567303	50.07	ng/uL	0.00
8) Phenol-d5	99	3.894	3.894	0.901	653129	49.89	ng/uL	0.00
23) Nitrobenzene-d5	82	4.909	4.908	0.862	441837	50.88	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.783	6.782	0.915	1516250	49.65	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	8.119	8.118	1.095	322131	49.41	ng/uL	0.00
79) p-Terphenyl-d14	244	10.092	10.093	1.156	2091672	48.71	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.020	2.023	0.467	221160	50.39	ng/uL	100
3) N-Methyl-N-nitrosometh...	74	2.183	2.186	0.505	282085	49.65	ng/uL	100
4) Pyridine	79	2.224	2.228	0.515	527463	49.45	ng/uL	100
6) p-Benzoquinone	108	3.523	3.522	0.815	282364	50.74	ng/uL	99
7) Aniline	93	3.981	3.981	0.921	833940	50.10	ng/uL	99
9) Phenol	94	3.908	3.908	0.904	672315	49.83	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.030	4.029	0.932	507960	49.62	ng/uL	100
11) 2-Chlorophenol	128	4.099	4.099	0.949	658338	49.57	ng/uL	100
12) n-Decane	43	4.141	4.140	0.958	345364	49.75	ng/uL	99
13) 1,3-Dichlorobenzene	146	4.266	4.265	0.987	769335	49.68	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.339	4.338	1.004	769564	49.27	ng/uL	100
15) 1,2-Dichlorobenzene	146	4.499	4.502	1.041	731812	49.02	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	4.593	4.592	1.063	465115	49.63	ng/uL	99
17) Benzyl alcohol	108	4.443	4.443	1.028	379233	49.68	ng/uL	99
18) o-Cresol	107	4.544	4.543	1.051	462568	49.73	ng/uL	98
19) m,p-Cresols	108	4.711	4.710	1.090	564894	49.52	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2706.D
Acq On : 27 Jun 2025 19:00
Operator : NM1
InstName : MSDB
Sample : |WBN250513-05|ICAL|1|SVM|1|M-5
Misc : MIX[A]
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 09:51:12 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	4.735	4.735	1.096	274740	49.05	ng/uL	98
21)	Hexachloroethane	117	4.871	4.870	1.127	227441	49.79	ng/uL	99
24)	Nitrobenzene	77	4.930	4.929	0.865	434716	50.84	ng/uL	99
25)	Isophorone	82	5.197	5.197	0.912	870512	51.42	ng/uL	100
26)	2-Nitrophenol	139	5.281	5.280	0.927	329212	51.08	ng/uL	100
27)	2,4-Dimethylphenol	122	5.312	5.311	0.932	543851	49.78	ng/uL	97
28)	bis(2-Chloroethoxy)met...	93	5.427	5.426	0.952	631559	50.27	ng/uL	99
29)	2,4-Dichlorophenol	162	5.534	5.534	0.971	577514	50.33	ng/uL	99
30)	Benzoic acid	105	5.382	5.370	0.944	338569	49.49	ng/uL	99
31)	1,2,4-Trichlorobenzene	180	5.635	5.635	0.989	655789	50.10	ng/uL	99
32)	alpha-Terpineol	59	5.726	5.725	1.005	289368	50.31	ng/uL	99
33)	Naphthalene	128	5.722	5.722	1.004	1859814	49.98	ng/uL	99
34)	4-Chloroaniline	127	5.768	5.767	1.012	784943	50.42	ng/uL	99
35)	Hexachlorobutadiene	225	5.851	5.850	1.027	350728	49.89	ng/uL	99
36)	4-Chloro-3-methylphenol	107	6.254	6.253	1.098	483797	49.60	ng/uL	99
37)	2-Methylnaphthalene	142	6.428	6.427	1.128	1203738	50.45	ng/uL	100
38)	1-Methylnaphthalene	142	6.525	6.524	1.145	1233027	49.68	ng/uL	99
40)	Hexachlorocyclopentadiene	237	6.581	6.583	0.887	479779	51.55	ng/uL	97
41)	2,3-Dichloroaniline	161	6.699	6.698	0.903	720036	50.59	ng/uL	99
42)	2,4,6-Trichlorophenol	196	6.695	6.694	0.903	435146	50.64	ng/uL	99
43)	2,4,5-Trichlorophenol	196	6.727	6.726	0.907	464826	50.18	ng/uL	99
45)	2-Chloronaphthalene	162	6.897	6.896	0.930	1273272	50.57	ng/uL	99
46)	o-Nitroaniline	138	6.991	6.990	0.943	392433	50.38	ng/uL	99
47)	1,4-Dinitrobenzene	168	7.120	7.119	0.960	192554	51.25	ng/uL	97
48)	m-Dinitrobenzene	168	7.189	7.188	0.969	217556	50.32	ng/uL	97
49)	m-Nitroaniline	138	7.370	7.369	0.994	360095	51.06	ng/uL	100
50)	Dimethylphthalate	163	7.162	7.160	0.966	1410186	50.13	ng/uL	99
51)	2,6-Dinitrotoluene	165	7.217	7.216	0.973	313321	50.31	ng/uL	99
52)	2,4-Dinitrotoluene	165	7.583	7.582	1.023	434584	50.78	ng/uL	99
53)	Acenaphthylene	152	7.287	7.286	0.983	2069241	50.21	ng/uL	99
54)	Acenaphthene	154	7.447	7.446	1.004	1266909	51.42	ng/uL	100
55)	2,4-Dinitrophenol	184	7.464	7.463	1.007	171906	48.09	ng/uL	100
56)	Dibenzofuran	168	7.604	7.603	1.025	1864059	50.24	ng/uL	100
57)	2,3,4,6-Tetrachlorophenol	232	7.705	7.707	1.039	413080	50.16	ng/uL	99
58)	Diethylphthalate	149	7.799	7.798	1.052	1322490	50.20	ng/uL	99
59)	4-Nitrophenol	109	7.503	7.502	1.012	98206	49.61	ng/uL	99
60)	Fluorene	166	7.910	7.909	1.067	1508028	51.23	ng/uL	99
61)	4-Chlorophenylphenylether	204	7.903	7.905	1.066	746898	50.29	ng/uL	98
62)	p-Nitroaniline	138	7.921	7.919	1.068	342554	50.42	ng/uL	97
65)	2-Methyl-4,6-dinitroph...	198	7.945	7.944	0.910	233836	48.91	ng/uL	99
66)	Diphenylamine	169	8.004	8.006	0.917	1302099	51.31	ng/uL	99
67)	1,2-Diphenylhydrazine	77	8.043	8.045	0.921	872131	50.56	ng/uL	99
68)	4-Bromophenylphenylether	248	8.335	8.333	0.955	493437	50.43	ng/uL	99
69)	Hexachlorobenzene	284	8.394	8.393	0.961	615105	51.36	ng/uL	97
70)	Pentachlorophenol	266	8.557	8.560	0.980	374157	48.96	ng/uL	99
71)	n-Octadecane	57	8.613	8.612	0.986	586039	51.40	ng/uL	100
72)	Dinoseb	211	8.711	8.709	0.998	349117	47.88	ng/uL	98
73)	Phenanthrene	178	8.753	8.751	1.002	2231339	50.85	ng/uL	100
74)	Anthracene	178	8.798	8.797	1.008	2296539	52.24	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2706.D
Acq On : 27 Jun 2025 19:00
Operator : NM1
InstName : MSDB
Sample : |WBN250513-05|ICAL|1|SVM|1|M-5
Misc : MIX[A]
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 09:51:12 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

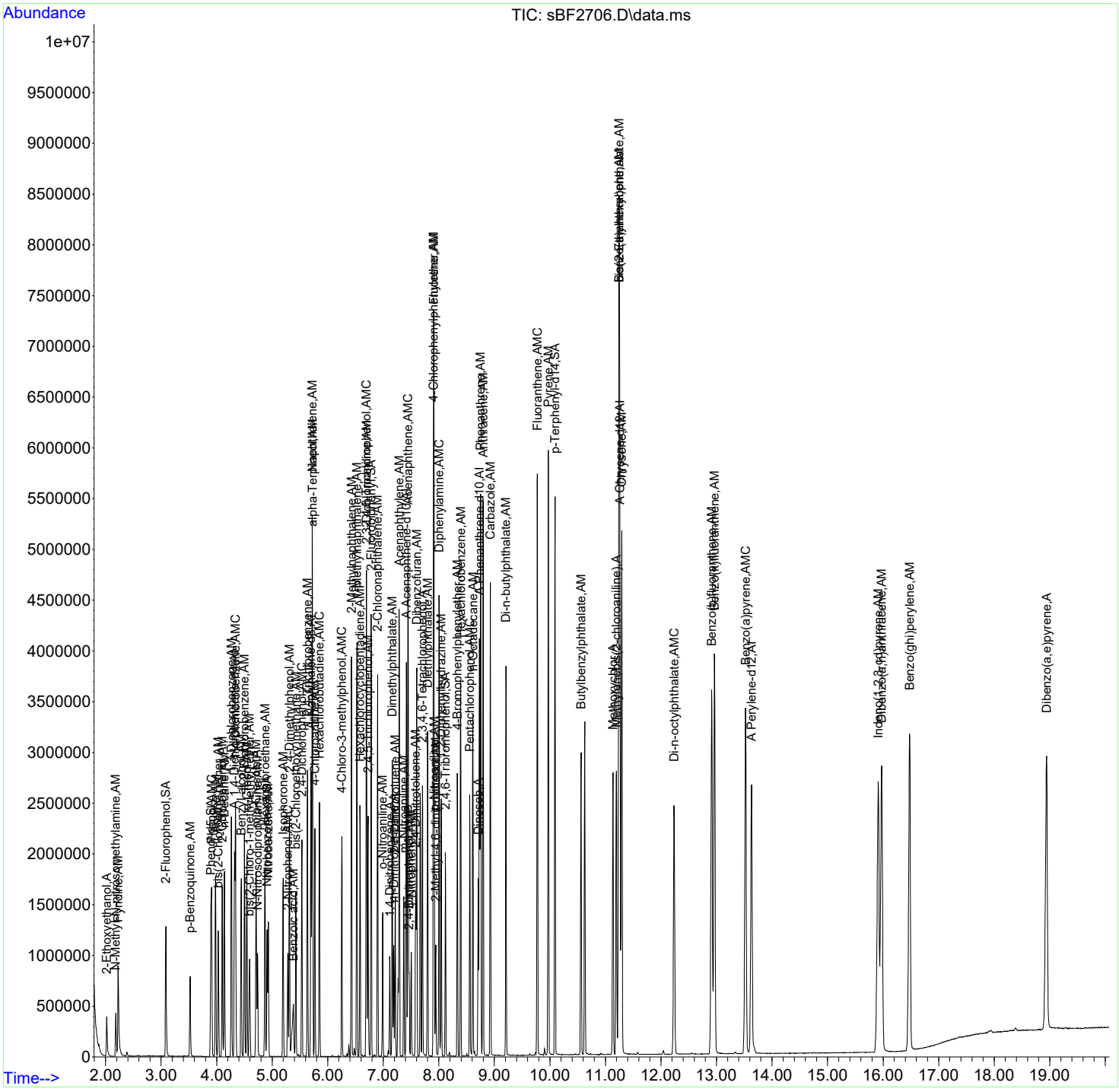
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	8.927	8.929	1.022	2061432	52.04	ng/uL	99
76) Di-n-butylphthalate	149	9.208	9.210	1.055	2264566	51.90	ng/uL	100
77) Fluoranthene	202	9.775	9.773	1.119	2477422	50.06	ng/uL	99
78) Pyrene	202	9.973	9.972	1.142	2578892	50.82	ng/uL	99
81) Butylbenzylphthalate	149	10.561	10.559	0.938	934728	52.88	ng/uL	99
82) bis(2-Ethylhexyl)phtha...	149	11.244	11.245	0.998	1491781	52.86	ng/uL	100
83) Benzo(a)anthracene	228	11.244	11.245	0.998	2608256	51.19	ng/uL	99
84) Chrysene	228	11.293	11.295	1.003	2425429	51.06	ng/uL	99
85) Methoxychlor	227	11.135	11.137	0.989	1486275	52.17	ng/uL	99
86) Methylenebis(2-chloroa...	231	11.198	11.196	0.994	496104	50.11	ng/uL	99
87) Di-n-octylphthalate	149	12.235	12.237	1.086	2354634	49.89	ng/uL	100
89) Benzo(b)fluoranthene	252	12.913	12.915	0.947	2622491	52.15	ng/uL	100
90) Benzo(k)fluoranthene	252	12.962	12.964	0.951	2672393	52.45	ng/uL	100
91) Benzo(a)pyrene	252	13.522	13.524	0.992	2492751	52.42	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	15.912	15.913	1.167	2634564	51.48	ng/uL	99
93) Dibenzo(a,h)anthracene	278	15.975	15.972	1.172	2698171	52.30	ng/uL	99
94) Benzo(ghi)perylene	276	16.476	16.477	1.209	2612967	50.23	ng/uL	99
95) Dibenzo(a,e)pyrene	302	18.943	18.941	1.390	2305257	51.43	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2706.D
Acq On : 27 Jun 2025 19:00
Operator : NM1
InstName : MSDB
Sample : |WBN250513-05|ICAL|1|SVM|1|M-5
Misc : MIX[A]
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 03 09:51:12 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2707.D
Acq On : 27 Jun 2025 19:24
Operator : NM1
InstName : MSDB
Sample : |WBN250513-06|ICAL|1|SVM|1|M-6
Misc : MIX[A]
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 09:51:15 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	425407	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	1477076	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	804364	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.734	8.730	1.000	1629408	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.262	11.259	1.000	1881340	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.632	13.635	1.000	1916925	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.734	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.262	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.632	13.631	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.734	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.262	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.734	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.262	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.632	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.086	3.085	0.714	916906	78.71	ng/uL	0.00
8) Phenol-d5	99	3.898	3.894	0.902	1061027	78.84	ng/uL	0.00
23) Nitrobenzene-d5	82	4.910	4.908	0.862	714991	81.59	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.781	6.782	0.914	2412775	78.48	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	8.121	8.118	1.095	530868	80.89	ng/uL	0.00
79) p-Terphenyl-d14	244	10.091	10.093	1.155	3466648	78.31	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.023	2.023	0.468	352199	78.06	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.186	2.186	0.506	463494	79.36	ng/uL	99
4) Pyridine	79	2.228	2.228	0.516	875284	79.82	ng/uL	99
6) p-Benzoquinone	108	3.523	3.522	0.815	468238	81.85	ng/uL	98
7) Aniline	93	3.982	3.981	0.921	1333388	77.92	ng/uL	99
9) Phenol	94	3.912	3.908	0.905	1083839	78.14	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.030	4.029	0.932	813738	77.33	ng/uL	100
11) 2-Chlorophenol	128	4.103	4.099	0.949	1074289	78.68	ng/uL	99
12) n-Decane	43	4.141	4.140	0.958	549937	77.06	ng/uL	98
13) 1,3-Dichlorobenzene	146	4.266	4.265	0.987	1262268	79.29	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.340	4.338	1.004	1256226	78.23	ng/uL	100
15) 1,2-Dichlorobenzene	146	4.503	4.502	1.042	1194746	77.85	ng/uL	100
16) bis(2-Chloro-1-methyle...	45	4.593	4.592	1.063	746954	77.52	ng/uL	98
17) Benzyl alcohol	108	4.444	4.443	1.028	642001	81.82	ng/uL	99
18) o-Cresol	107	4.545	4.543	1.051	758942	79.37	ng/uL	98
19) m,p-Cresols	108	4.715	4.710	1.091	942574	80.37	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2707.D
Acq On : 27 Jun 2025 19:24
Operator : NM1
InstName : MSDB
Sample : |WBN250513-06|ICAL|1|SVM|1|M-6
Misc : MIX[A]
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 09:51:15 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	4.739	4.735	1.097	459309	79.76	ng/uL	99
21)	Hexachloroethane	117	4.871	4.870	1.127	351650	74.89	ng/uL	96
24)	Nitrobenzene	77	4.931	4.929	0.865	688886	79.85	ng/uL	96
25)	Isophorone	82	5.198	5.197	0.912	1366173	79.97	ng/uL	100
26)	2-Nitrophenol	139	5.281	5.280	0.927	538501	82.80	ng/uL	100
27)	2,4-Dimethylphenol	122	5.313	5.311	0.932	857972	77.83	ng/uL	98
28)	bis(2-Chloroethoxy)met...	93	5.428	5.426	0.952	1001169	78.98	ng/uL	99
29)	2,4-Dichlorophenol	162	5.535	5.534	0.971	930786	80.39	ng/uL	99
30)	Benzoic acid	105	5.403	5.370	0.948	588558	79.28	ng/uL	99
31)	1,2,4-Trichlorobenzene	180	5.636	5.635	0.989	1026607	77.73	ng/uL	100
32)	alpha-Terpineol	59	5.727	5.725	1.005	450859	77.68	ng/uL	97
33)	Naphthalene	128	5.723	5.722	1.004	2899120	77.21	ng/uL	99
34)	4-Chloroaniline	127	5.769	5.767	1.012	1246103	79.32	ng/uL	99
35)	Hexachlorobutadiene	225	5.852	5.850	1.027	568134	80.09	ng/uL	100
36)	4-Chloro-3-methylphenol	107	6.255	6.253	1.098	787424	80.01	ng/uL	100
37)	2-Methylnaphthalene	142	6.429	6.427	1.128	2014338	83.66	ng/uL	98
38)	1-Methylnaphthalene	142	6.526	6.524	1.145	2050341	81.88	ng/uL	99
40)	Hexachlorocyclopentadiene	237	6.582	6.583	0.887	787493	84.05	ng/uL	98
41)	2,3-Dichloroaniline	161	6.700	6.698	0.903	1164704	81.29	ng/uL	100
42)	2,4,6-Trichlorophenol	196	6.697	6.694	0.903	721147	83.36	ng/uL	98
43)	2,4,5-Trichlorophenol	196	6.725	6.726	0.907	760672	81.58	ng/uL	100
45)	2-Chloronaphthalene	162	6.899	6.896	0.930	2103214	82.98	ng/uL	99
46)	o-Nitroaniline	138	6.993	6.990	0.943	690667	88.08	ng/uL	98
47)	1,4-Dinitrobenzene	168	7.118	7.119	0.960	331915	87.75	ng/uL	95
48)	m-Dinitrobenzene	168	7.191	7.188	0.969	378655	87.00	ng/uL	97
49)	m-Nitroaniline	138	7.372	7.369	0.994	592548	83.46	ng/uL	100
50)	Dimethylphthalate	163	7.167	7.160	0.966	2322459	82.02	ng/uL	100
51)	2,6-Dinitrotoluene	165	7.219	7.216	0.973	518023	82.63	ng/uL	98
52)	2,4-Dinitrotoluene	165	7.585	7.582	1.023	725085	84.17	ng/uL	96
53)	Acenaphthylene	152	7.289	7.286	0.983	3302546	79.61	ng/uL	99
54)	Acenaphthene	154	7.449	7.446	1.004	2004563	80.83	ng/uL	100
55)	2,4-Dinitrophenol	184	7.466	7.463	1.007	300356	78.93	ng/uL	99
56)	Dibenzofuran	168	7.602	7.603	1.025	2954265	79.09	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	7.707	7.707	1.039	688507	83.06	ng/uL	98
58)	Diethylphthalate	149	7.801	7.798	1.052	2088572	78.76	ng/uL	99
59)	4-Nitrophenol	109	7.505	7.502	1.012	166900	82.30	ng/uL	99
60)	Fluorene	166	7.912	7.909	1.067	2376067	80.19	ng/uL	100
61)	4-Chlorophenylphenylether	204	7.905	7.905	1.066	1174479	78.55	ng/uL	99
62)	p-Nitroaniline	138	7.923	7.919	1.068	563800	82.44	ng/uL	98
65)	2-Methyl-4,6-dinitroph...	198	7.947	7.944	0.910	396530	77.74	ng/uL	98
66)	Diphenylamine	169	8.006	8.006	0.917	2069474	79.10	ng/uL	100
67)	1,2-Diphenylhydrazine	77	8.045	8.045	0.921	1385623	77.92	ng/uL	98
68)	4-Bromophenylphenylether	248	8.337	8.333	0.955	812391	80.55	ng/uL	98
69)	Hexachlorobenzene	284	8.393	8.393	0.961	983341	79.64	ng/uL	98
70)	Pentachlorophenol	266	8.560	8.560	0.980	628911	77.65	ng/uL	99
71)	n-Octadecane	57	8.612	8.612	0.986	963392	81.97	ng/uL	98
72)	Dinoseb	211	8.710	8.709	0.997	616267	78.29	ng/uL	96
73)	Phenanthrene	178	8.755	8.751	1.002	3471812	76.76	ng/uL	99
74)	Anthracene	178	8.797	8.797	1.007	3644909	80.43	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2707.D
Acq On : 27 Jun 2025 19:24
Operator : NM1
InstName : MSDB
Sample : |WBN250513-06|ICAL|1|SVM|1|M-6
Misc : MIX[A]
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 09:51:15 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

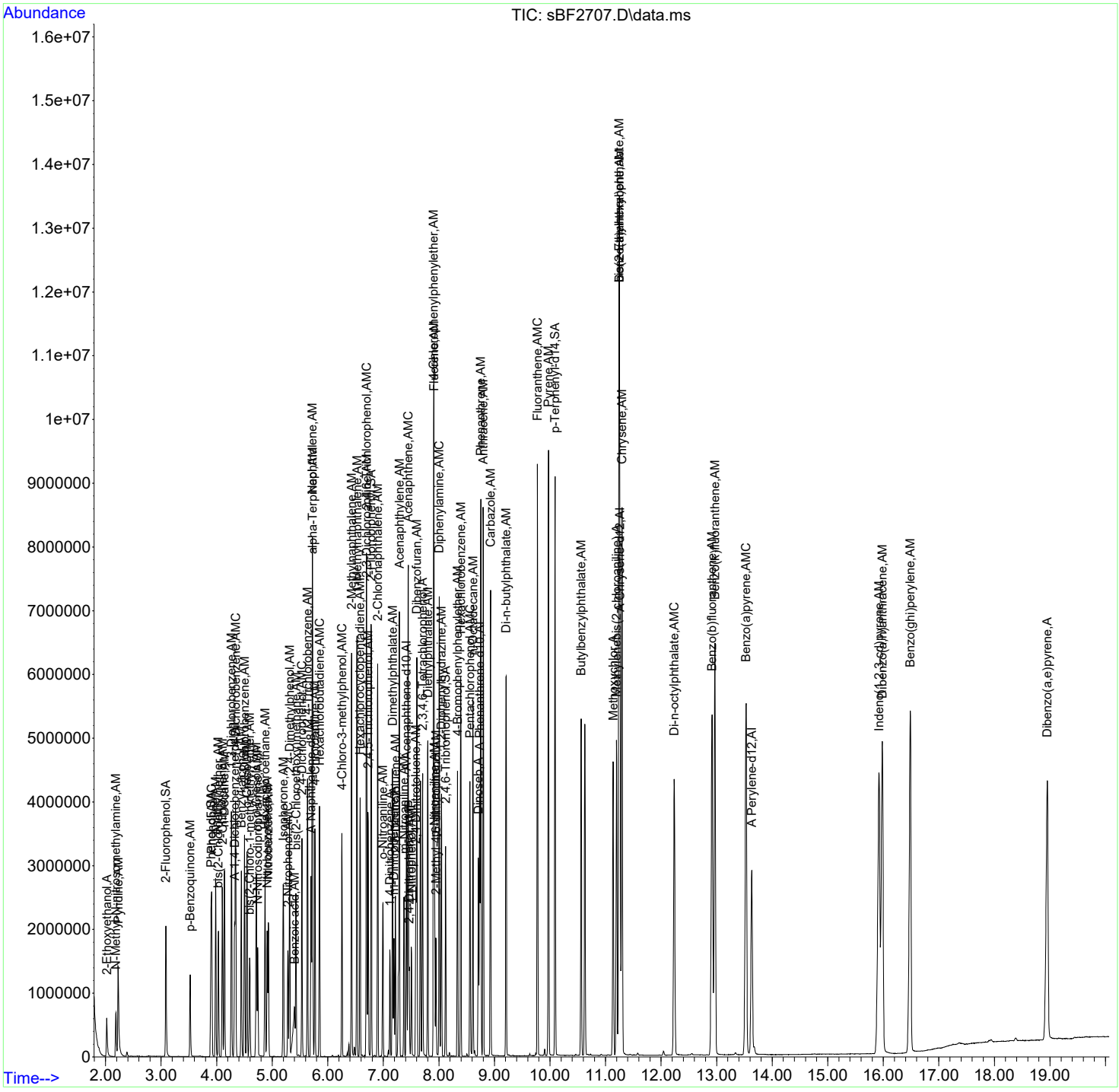
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	8.930	8.929	1.022	3206492	78.53	ng/uL	99
76) Di-n-butylphthalate	149	9.211	9.210	1.055	3681292	81.84	ng/uL	99
77) Fluoranthene	202	9.775	9.773	1.119	3847291	75.42	ng/uL	99
78) Pyrene	202	9.973	9.972	1.142	4048226	77.38	ng/uL	99
81) Butylbenzylphthalate	149	10.561	10.559	0.938	1674760	88.17	ng/uL	99
82) bis(2-Ethylhexyl)phtha...	149	11.244	11.245	0.998	2624770	86.56	ng/uL	99
83) Benzo(a)anthracene	228	11.247	11.245	0.999	4397094	80.31	ng/uL	99
84) Chrysene	228	11.297	11.295	1.003	3981404	78.00	ng/uL	98
85) Methoxychlor	227	11.139	11.137	0.989	2587256	84.53	ng/uL	100
86) Methylenebis(2-chloroa...	231	11.198	11.196	0.994	878308	82.57	ng/uL	100
87) Di-n-octylphthalate	149	12.236	12.237	1.087	4285300	84.22	ng/uL	100
89) Benzo(b)fluoranthene	252	12.918	12.915	0.948	4199528	77.36	ng/uL	100
90) Benzo(k)fluoranthene	252	12.970	12.964	0.951	4262519	77.50	ng/uL	100
91) Benzo(a)pyrene	252	13.527	13.524	0.992	4219822	82.21	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	15.924	15.913	1.168	4589315	83.08	ng/uL	99
93) Dibenzo(a,h)anthracene	278	15.983	15.972	1.173	4600290	82.60	ng/uL	99
94) Benzo(ghi)perylene	276	16.485	16.477	1.209	4532467	80.72	ng/uL	99
95) Dibenzo(a,e)pyrene	302	18.952	18.941	1.390	3648158	75.40	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2707.D
Acq On : 27 Jun 2025 19:24
Operator : NM1
InstName : MSDB
Sample : |WBN250513-06|ICAL|1|SVM|1|M-6
Misc : MIX[A]
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 03 09:51:15 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2708.D
Acq On : 27 Jun 2025 19:48
Operator : NM1
InstName : MSDB
Sample : |WBN250513-07|ICAL|1|SVM|1|M-7
Misc : MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:51:19 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	368898	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	1340185	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	742984	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.731	8.730	1.000	1507633	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.262	11.259	1.000	1896478	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.632	13.635	1.000	2025414	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.731	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.262	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.632	13.631	1.000	0m	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.731	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.262	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.731	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.262	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.632	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.086	3.085	0.714	1007429	99.73	ng/uL	0.00
8) Phenol-d5	99	3.898	3.894	0.902	1164733	99.80	ng/uL	0.00
23) Nitrobenzene-d5	82	4.910	4.908	0.862	792133	99.63	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.784	6.782	0.915	2744014	96.63	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	8.121	8.118	1.095	635188	104.79	ng/uL	0.00
79) p-Terphenyl-d14	244	10.091	10.093	1.156	4049284	98.85	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.020	2.023	0.467	385584	98.55	ng/uL	100
3) N-Methyl-N-nitrosometh...	74	2.186	2.186	0.506	517647	102.22	ng/uL	99
4) Pyridine	79	2.228	2.228	0.516	940315	98.88	ng/uL	99
6) p-Benzoquinone	108	3.523	3.522	0.815	508905	102.59	ng/uL	99
7) Aniline	93	3.985	3.981	0.922	1465106	98.73	ng/uL	99
9) Phenol	94	3.912	3.908	0.905	1191121	99.03	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.030	4.029	0.932	895279	98.11	ng/uL	99
11) 2-Chlorophenol	128	4.103	4.099	0.949	1170452	98.86	ng/uL	99
12) n-Decane	43	4.141	4.140	0.958	593790	95.95	ng/uL	99
13) 1,3-Dichlorobenzene	146	4.266	4.265	0.987	1366349	98.97	ng/uL	99
14) 1,4-Dichlorobenzene	146	4.339	4.338	1.004	1380600	99.15	ng/uL	99
15) 1,2-Dichlorobenzene	146	4.503	4.502	1.042	1307542	98.25	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	4.593	4.592	1.063	821374	98.31	ng/uL	97
17) Benzyl alcohol	108	4.447	4.443	1.029	692988	101.84	ng/uL	99
18) o-Cresol	107	4.544	4.543	1.051	825816	99.60	ng/uL	99
19) m,p-Cresols	108	4.715	4.710	1.091	1021178	100.41	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2708.D
Acq On : 27 Jun 2025 19:48
Operator : NM1
InstName : MSDB
Sample : |WBN250513-07|ICAL|1|SVM|1|M-7
Misc : MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:51:19 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	4.743	4.735	1.097	504863	101.11	ng/uL	100
21)	Hexachloroethane	117	4.871	4.870	1.127	404768	99.40	ng/uL	98
24)	Nitrobenzene	77	4.934	4.929	0.866	771208	98.53	ng/uL	97
25)	Isophorone	82	5.201	5.197	0.913	1576601	101.71	ng/uL	100
26)	2-Nitrophenol	139	5.281	5.280	0.927	622696	105.52	ng/uL	99
27)	2,4-Dimethylphenol	122	5.313	5.311	0.932	978473	97.83	ng/uL	98
28)	bis(2-Chloroethoxy)met...	93	5.427	5.426	0.952	1121306	97.49	ng/uL	96
29)	2,4-Dichlorophenol	162	5.535	5.534	0.971	1058333	100.74	ng/uL	99
30)	Benzoic acid	105	5.410	5.370	0.949	692043	100.29	ng/uL	100
31)	1,2,4-Trichlorobenzene	180	5.636	5.635	0.989	1169877	97.63	ng/uL	99
32)	alpha-Terpineol	59	5.727	5.725	1.005	503658	95.64	ng/uL	96
33)	Naphthalene	128	5.723	5.722	1.004	3281934	96.34	ng/uL	99
34)	4-Chloroaniline	127	5.768	5.767	1.012	1411283	99.01	ng/uL	98
35)	Hexachlorobutadiene	225	5.852	5.850	1.027	642871	99.88	ng/uL	99
36)	4-Chloro-3-methylphenol	107	6.255	6.253	1.098	882118	98.79	ng/uL	98
37)	2-Methylnaphthalene	142	6.429	6.427	1.128	2185575	100.05	ng/uL	99
38)	1-Methylnaphthalene	142	6.526	6.524	1.145	2221917	97.79	ng/uL	100
40)	Hexachlorocyclopentadiene	237	6.582	6.583	0.887	883914	102.13	ng/uL	100
41)	2,3-Dichloroaniline	161	6.700	6.698	0.903	1307862	98.82	ng/uL	98
42)	2,4,6-Trichlorophenol	196	6.697	6.694	0.903	804315	100.66	ng/uL	99
43)	2,4,5-Trichlorophenol	196	6.728	6.726	0.907	866762	100.63	ng/uL	100
45)	2-Chloronaphthalene	162	6.899	6.896	0.930	2313328	98.81	ng/uL	99
46)	o-Nitroaniline	138	6.993	6.990	0.943	766513	105.83	ng/uL	97
47)	1,4-Dinitrobenzene	168	7.121	7.119	0.960	372945	106.75	ng/uL	96
48)	m-Dinitrobenzene	168	7.191	7.188	0.969	418925	104.21	ng/uL	97
49)	m-Nitroaniline	138	7.376	7.369	0.994	680907	103.83	ng/uL	99
50)	Dimethylphthalate	163	7.167	7.160	0.966	2615032	99.98	ng/uL	99
51)	2,6-Dinitrotoluene	165	7.219	7.216	0.973	587639	101.48	ng/uL	98
52)	2,4-Dinitrotoluene	165	7.588	7.582	1.023	838985	105.44	ng/uL	95
53)	Acenaphthylene	152	7.289	7.286	0.983	3747970	97.81	ng/uL	99
54)	Acenaphthene	154	7.449	7.446	1.004	2182641	95.28	ng/uL	96
55)	2,4-Dinitrophenol	184	7.466	7.463	1.007	365772	102.10	ng/uL	97
56)	Dibenzofuran	168	7.602	7.603	1.025	3364006	97.51	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	7.707	7.707	1.039	794172	103.72	ng/uL	99
58)	Diethylphthalate	149	7.801	7.798	1.052	2457627	100.33	ng/uL	99
59)	4-Nitrophenol	109	7.508	7.502	1.012	190351	101.12	ng/uL	98
60)	Fluorene	166	7.912	7.909	1.067	2730474	99.76	ng/uL	100
61)	4-Chlorophenylphenylether	204	7.905	7.905	1.066	1389636	100.62	ng/uL	98
62)	p-Nitroaniline	138	7.926	7.919	1.069	676983	107.17	ng/uL	98
65)	2-Methyl-4,6-dinitroph...	198	7.950	7.944	0.911	488519	102.11	ng/uL	97
66)	Diphenylamine	169	8.006	8.006	0.917	2370597	97.93	ng/uL	98
67)	1,2-Diphenylhydrazine	77	8.045	8.045	0.921	1585862	96.39	ng/uL	98
68)	4-Bromophenylphenylether	248	8.334	8.333	0.954	936223	100.32	ng/uL	98
69)	Hexachlorobenzene	284	8.393	8.393	0.961	1131847	99.07	ng/uL	99
70)	Pentachlorophenol	266	8.560	8.560	0.980	746503	98.64	ng/uL	97
71)	n-Octadecane	57	8.612	8.612	0.986	1042154	95.83	ng/uL	98
72)	Dinoseb	211	8.710	8.709	0.998	767406	103.57	ng/uL	97
73)	Phenanthrene	178	8.755	8.751	1.003	4087861	97.67	ng/uL	99
74)	Anthracene	178	8.801	8.797	1.008	4148058	98.93	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2708.D
Acq On : 27 Jun 2025 19:48
Operator : NM1
InstName : MSDB
Sample : |WBN250513-07|ICAL|1|SVM|1|M-7
Misc : MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:51:19 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

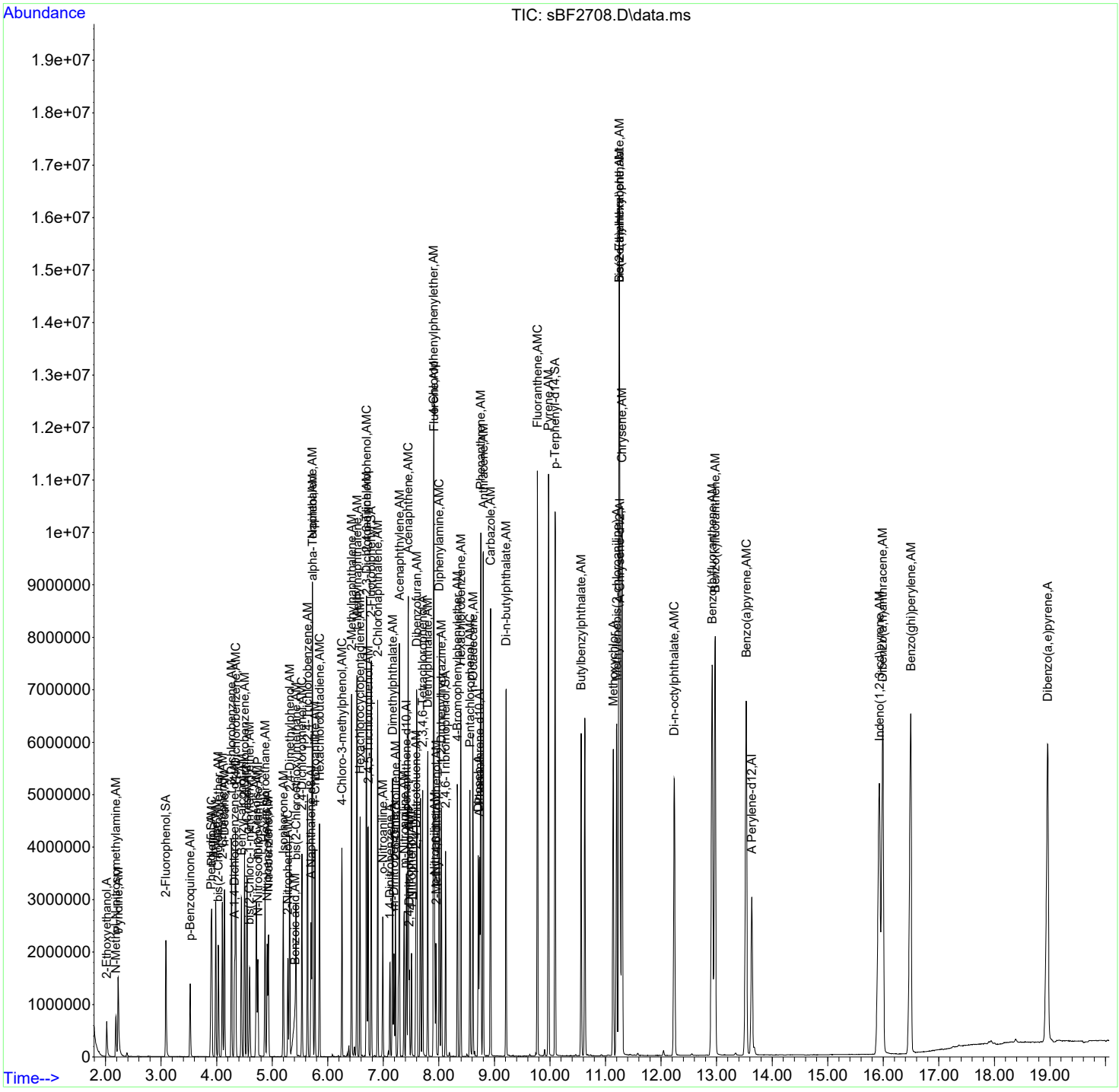
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	8.930	8.929	1.023	3785518	100.20	ng/uL	98
76) Di-n-butylphthalate	149	9.211	9.210	1.055	4341924	104.32	ng/uL	99
77) Fluoranthene	202	9.775	9.773	1.120	4700710	99.59	ng/uL	99
78) Pyrene	202	9.973	9.972	1.142	4853410	100.26	ng/uL	98
81) Butylbenzylphthalate	149	10.561	10.559	0.938	1977965	103.30	ng/uL	98
82) bis(2-Ethylhexyl)phtha...	149	11.248	11.245	0.999	3341846	109.33	ng/uL	100
83) Benzo(a)anthracene	228	11.248	11.245	0.999	5561244	100.76	ng/uL	98
84) Chrysene	228	11.297	11.295	1.003	5073936	98.61	ng/uL	98
85) Methoxychlor	227	11.139	11.137	0.989	3277396	106.22	ng/uL	100
86) Methylenebis(2-chloroa...	231	11.202	11.196	0.995	1142256	106.53	ng/uL	98
87) Di-n-octylphthalate	149	12.236	12.237	1.087	5374478	104.69	ng/uL	99
89) Benzo(b)fluoranthene	252	12.922	12.915	0.948	5820781	101.49	ng/uL	99
90) Benzo(k)fluoranthene	252	12.974	12.964	0.952	5741840	98.80	ng/uL	99
91) Benzo(a)pyrene	252	13.535	13.524	0.993	5466866	100.80	ng/uL	100
92) Indeno(1,2,3-cd)pyrene	276	15.932	15.913	1.169	6084440	104.24	ng/uL	99
93) Dibenzo(a,h)anthracene	278	15.991	15.972	1.173	6141827	104.37	ng/uL	100
94) Benzo(ghi)perylene	276	16.496	16.477	1.210	6053312	102.02	ng/uL	100
95) Dibenzo(a,e)pyrene	302	18.961	18.941	1.391	5312746	103.92	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2708.D
Acq On : 27 Jun 2025 19:48
Operator : NM1
InstName : MSDB
Sample : |WBN250513-07|ICAL|1|SVM|1|M-7
Misc : MIX[A]
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 03 09:51:19 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2709.D
Acq On : 27 Jun 2025 20:12
Operator : NM1
InstName : MSDB
Sample : |WBN250513-08|ICAL|1|SVM|1|M-8
Misc : MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:51:23 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
Internal Standards									Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	353164	40.00	ng/uL	#	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	1290854	40.00	ng/uL		0.00
39) A Acenaphthene-d10	164	7.418	7.414	1.000	724928	40.00	ng/uL		0.00
64) A Phenanthrene-d10	188	8.735	8.730	1.000	1488495	40.00	ng/uL		0.00
80) A Chrysene-d12	240	11.263	11.259	1.000	1908324	40.00	ng/uL		0.00
88) A Perylene-d12	264	13.634	13.635	1.000	1970220	40.00	ng/uL		0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL		0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL		0.00
120) B Acenaphthene-d10	164	7.418	7.417	1.000	0m	40.00	ng/uL		0.00
130) B Phenanthrene-d10	188	8.735	8.732	1.000	0m	40.00	ng/uL		0.00
143) B Chrysene-d12	240	11.263	11.257	1.000	0m	40.00	ng/uL		0.00
149) B Perylene-d12	264	13.634	13.631	1.000	0m	40.00	ng/uL		0.00
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL		0.00
154) J Phenanthrene-d10	188	8.735	8.732	1.000	0m	40.00	ng/uL		0.00
157) J Chrysene-d12	240	11.263	11.257	1.000	0m	40.00	ng/uL		0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL		0.00
162) D Acenaphthene-d10	164	7.418	7.419	1.000	0m	40.00	ng/uL		0.00
164) D Phenanthrene-d10	188	8.735	8.734	1.000	0m	40.00	ng/uL		0.00
171) D Chrysene-d12	240	11.263	11.262	1.000	0m	40.00	ng/uL		0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL		0.00
175) E Perylene-d12	264	13.634	13.649	1.000	0m	40.00	ng/uL		-0.01
System Monitoring Compounds									Dev(Min)
5) 2-Fluorophenol	112	3.086	3.085	0.714	1138892	117.77	ng/uL		0.00
8) Phenol-d5	99	3.898	3.894	0.902	1339533	119.89	ng/uL		0.00
23) Nitrobenzene-d5	82	4.913	4.908	0.862	916815	119.72	ng/uL		0.00
44) 2-Fluorobiphenyl	172	6.784	6.782	0.915	3167379	114.32	ng/uL		0.00
63) 2,4,6-Tribromophenol	330	8.122	8.118	1.095	773788	130.83	ng/uL		0.00 A
79) p-Terphenyl-d14	244	10.093	10.093	1.155	4619415	114.22	ng/uL		0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		QValue
2) 2-Ethoxyethanol	59	2.020	2.023	0.467	429249	114.60	ng/uL		99
3) N-Methyl-N-nitrosometh...	74	2.186	2.186	0.506	564313	116.39	ng/uL		100
4) Pyridine	79	2.228	2.228	0.515	1100117	120.84	ng/uL		99 A
6) p-Benzoquinone	108	3.523	3.522	0.815	583885	122.95	ng/uL		98 A
7) Aniline	93	3.985	3.981	0.922	1657580	116.68	ng/uL		99
9) Phenol	94	3.915	3.908	0.906	1363008	118.36	ng/uL		99
10) bis(2-Chloroethyl) ether	93	4.034	4.029	0.933	1022655	117.06	ng/uL		99
11) 2-Chlorophenol	128	4.103	4.099	0.949	1352710	119.34	ng/uL		99
12) n-Decane	43	4.141	4.140	0.958	666795	112.54	ng/uL		98
13) 1,3-Dichlorobenzene	146	4.266	4.265	0.987	1554358	117.60	ng/uL		99
14) 1,4-Dichlorobenzene	146	4.339	4.338	1.004	1556419	116.75	ng/uL		99
15) 1,2-Dichlorobenzene	146	4.503	4.502	1.042	1511848	118.66	ng/uL		100
16) bis(2-Chloro-1-methyle...	45	4.597	4.592	1.064	919652	114.97	ng/uL		97
17) Benzyl alcohol	108	4.447	4.443	1.029	799022	122.66	ng/uL		99 A
18) o-Cresol	107	4.548	4.543	1.052	953046	120.06	ng/uL		99 A
19) m,p-Cresols	108	4.718	4.710	1.092	1176064	120.79	ng/uL		99 A

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2709.D
Acq On : 27 Jun 2025 20:12
Operator : NM1
InstName : MSDB
Sample : |WBN250513-08|ICAL|1|SVM|1|M-8
Misc : MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:51:23 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
20)	N-Nitrosodipropylamine	70	4.743	4.735	1.097	575277	120.34	ng/uL	100	A
21)	Hexachloroethane	117	4.871	4.870	1.127	464717	119.21	ng/uL	96	
24)	Nitrobenzene	77	4.934	4.929	0.866	893328	118.49	ng/uL	96	
25)	Isophorone	82	5.202	5.197	0.913	1804976	120.90	ng/uL	100	A
26)	2-Nitrophenol	139	5.285	5.280	0.927	723491	127.29	ng/uL	99	A
27)	2,4-Dimethylphenol	122	5.313	5.311	0.932	1139779	118.31	ng/uL	98	
28)	bis(2-Chloroethoxy)met...	93	5.428	5.426	0.952	1294608	116.86	ng/uL	96	
29)	2,4-Dichlorophenol	162	5.535	5.534	0.971	1234060	121.96	ng/uL	99	A
30)	Benzoic acid	105	5.417	5.370	0.951	842928	124.64	ng/uL	99	A
31)	1,2,4-Trichlorobenzene	180	5.636	5.635	0.989	1364282	118.21	ng/uL	100	
32)	alpha-Terpineol	59	5.730	5.725	1.006	575300	113.42	ng/uL	95	
33)	Naphthalene	128	5.723	5.722	1.004	3767581	114.82	ng/uL	99	
34)	4-Chloroaniline	127	5.772	5.767	1.013	1629863	118.71	ng/uL	98	
35)	Hexachlorobutadiene	225	5.852	5.850	1.027	749562	120.91	ng/uL	100	A
36)	4-Chloro-3-methylphenol	107	6.255	6.253	1.098	1024008	119.06	ng/uL	96	
37)	2-Methylnaphthalene	142	6.429	6.427	1.128	2515633	119.56	ng/uL	100	
38)	1-Methylnaphthalene	142	6.527	6.524	1.145	2598390	118.73	ng/uL	99	
40)	Hexachlorocyclopentadiene	237	6.582	6.583	0.887	1029595	121.93	ng/uL	99	A
41)	2,3-Dichloroaniline	161	6.701	6.698	0.903	1519293	117.66	ng/uL	99	
42)	2,4,6-Trichlorophenol	196	6.697	6.694	0.903	969398	124.34	ng/uL	96	A
43)	2,4,5-Trichlorophenol	196	6.729	6.726	0.907	1025541	122.03	ng/uL	99	A
45)	2-Chloronaphthalene	162	6.899	6.896	0.930	2639283	115.54	ng/uL	100	
46)	o-Nitroaniline	138	6.993	6.990	0.943	894500	126.58	ng/uL	98	A
47)	1,4-Dinitrobenzene	168	7.122	7.119	0.960	458782	134.59	ng/uL	93	A
48)	m-Dinitrobenzene	168	7.195	7.188	0.970	513548	130.93	ng/uL	94	A
49)	m-Nitroaniline	138	7.376	7.369	0.994	804766	125.78	ng/uL	99	A
50)	Dimethylphthalate	163	7.171	7.160	0.967	3115065	122.07	ng/uL	100	A
51)	2,6-Dinitrotoluene	165	7.219	7.216	0.973	700589	124.00	ng/uL	96	A
52)	2,4-Dinitrotoluene	165	7.589	7.582	1.023	994285	128.07	ng/uL	95	A
53)	Acenaphthylene	152	7.289	7.286	0.983	4287575	114.67	ng/uL	98	
54)	Acenaphthene	154	7.449	7.446	1.004	2597591	116.22	ng/uL	97	
55)	2,4-Dinitrophenol	184	7.470	7.463	1.007	446273	126.13	ng/uL	98	A
56)	Dibenzofuran	168	7.606	7.603	1.025	3859430	114.65	ng/uL	98	
57)	2,3,4,6-Tetrachlorophenol	232	7.707	7.707	1.039	944476	126.42	ng/uL	98	A
58)	Diethylphthalate	149	7.801	7.798	1.052	2972701	124.38	ng/uL	99	A
59)	4-Nitrophenol	109	7.508	7.502	1.012	225182	122.16	ng/uL	99	A
60)	Fluorene	166	7.913	7.909	1.067	3207799	120.12	ng/uL	99	A
61)	4-Chlorophenylphenylether	204	7.906	7.905	1.066	1671269	124.03	ng/uL	97	A
62)	p-Nitroaniline	138	7.930	7.919	1.069	852645	138.34	ng/uL	98	A
65)	2-Methyl-4,6-dinitroph...	198	7.951	7.944	0.910	607410	127.50	ng/uL	99	A
66)	Diphenylamine	169	8.010	8.006	0.917	2854551	119.43	ng/uL	99	
67)	1,2-Diphenylhydrazine	77	8.045	8.045	0.921	1933615	119.03	ng/uL	97	
68)	4-Bromophenylphenylether	248	8.338	8.333	0.955	1171939	127.20	ng/uL	97	A
69)	Hexachlorobenzene	284	8.397	8.393	0.961	1409541	124.97	ng/uL	97	A
70)	Pentachlorophenol	266	8.561	8.560	0.980	948515	125.95	ng/uL	98	A
71)	n-Octadecane	57	8.613	8.612	0.986	1291392	120.27	ng/uL	97	A
72)	Dinoseb	211	8.711	8.709	0.997	907980	123.09	ng/uL	99	A
73)	Phenanthrene	178	8.756	8.751	1.002	4679856	113.26	ng/uL	98	
74)	Anthracene	178	8.802	8.797	1.008	4816837	116.35	ng/uL	98	

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2709.D
Acq On : 27 Jun 2025 20:12
Operator : NM1
InstName : MSDB
Sample : |WBN250513-08|ICAL|1|SVM|1|M-8
Misc : MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:51:23 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

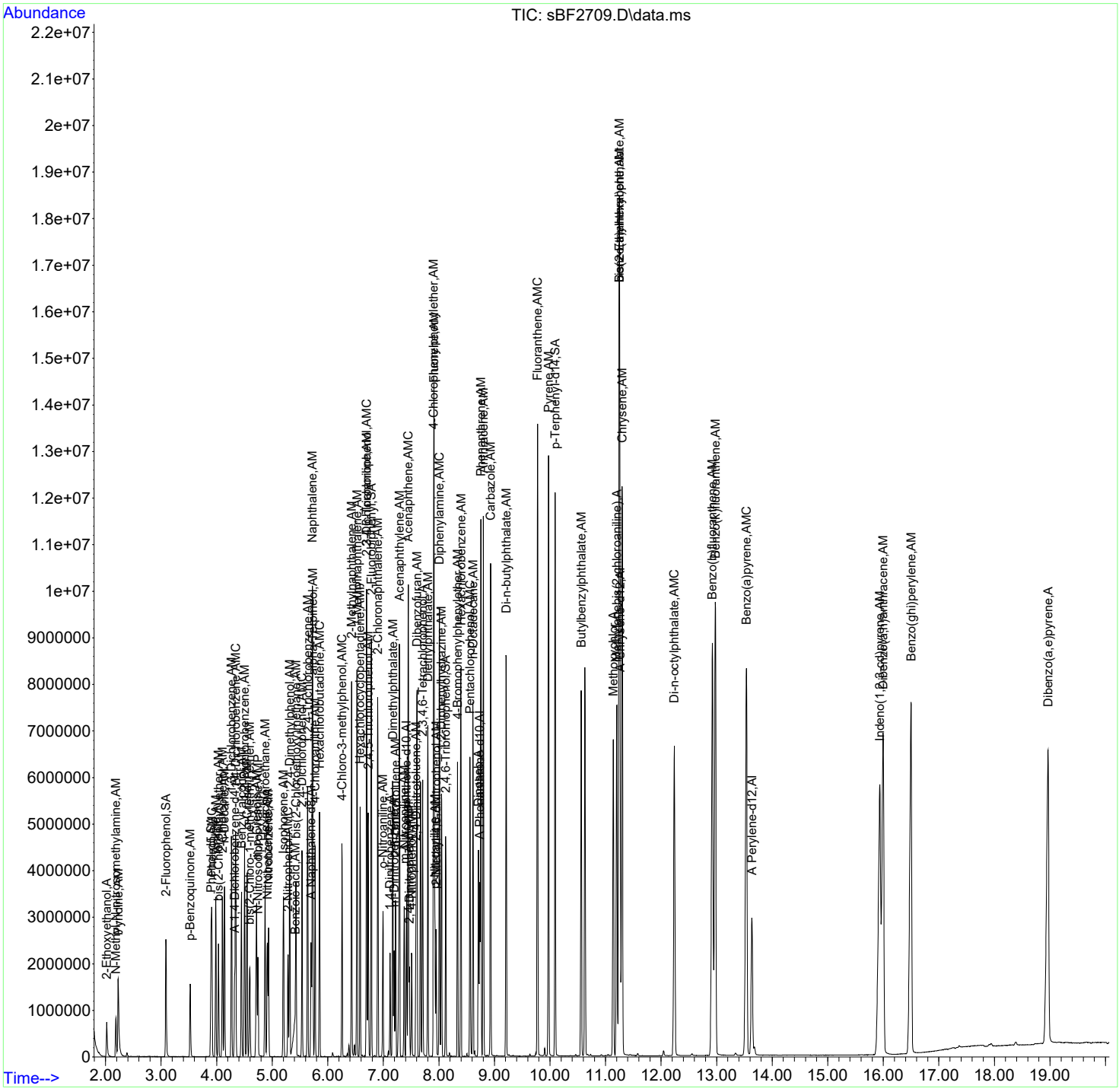
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
75)	Carbazole	167	8.930	8.929	1.022	4636364	124.29	ng/uL	98	A
76)	Di-n-butylphthalate	149	9.212	9.210	1.055	5369202	130.66	ng/uL	98	A
77)	Fluoranthene	202	9.776	9.773	1.119	5710275	122.53	ng/uL	98	A
78)	Pyrene	202	9.974	9.972	1.142	5537539	115.87	ng/uL	98	
81)	Butylbenzylphthalate	149	10.562	10.559	0.938	2555110	132.62	ng/uL	98	A
82)	bis(2-Ethylhexyl)phtha...	149	11.246	11.245	0.998	3883370	126.26	ng/uL	99	A
83)	Benzo(a)anthracene	228	11.249	11.245	0.999	6506450	117.15	ng/uL	99	
84)	Chrysene	228	11.298	11.295	1.003	5861675	113.22	ng/uL	97	
85)	Methoxychlor	227	11.137	11.137	0.989	3950772	127.25	ng/uL	99	A
86)	Methylenebis(2-chloroa...	231	11.204	11.196	0.995	1409449	130.63	ng/uL	99	A
87)	Di-n-octylphthalate	149	12.238	12.237	1.087	6605491	127.78	ng/uL	99	A
89)	Benzo(b)fluoranthene	252	12.924	12.915	0.948	7089288	127.06	ng/uL	99	A
90)	Benzo(k)fluoranthene	252	12.976	12.964	0.952	6766617	119.70	ng/uL	98	
91)	Benzo(a)pyrene	252	13.536	13.524	0.993	6708581	127.16	ng/uL	100	A
92)	Indeno(1,2,3-cd)pyrene	276	15.937	15.913	1.169	6921743	121.91	ng/uL	99	A
93)	Dibenzo(a,h)anthracene	278	15.996	15.972	1.173	6765963	118.20	ng/uL	99	
94)	Benzo(ghi)perylene	276	16.502	16.477	1.210	7146444	123.82	ng/uL	100	A
95)	Dibenzo(a,e)pyrene	302	18.966	18.941	1.391	6280118	126.29	ng/uL	99	A

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2709.D
Acq On : 27 Jun 2025 20:12
Operator : NM1
InstName : MSDB
Sample : |WBN250513-08|ICAL|1|SVM|1|M-8
Misc : MIX[A]
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 03 09:51:23 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSDB.I **Injection Date:** 27-JUN-25 20:36

Data File: s062725_ICAL\sBF2710.D **Init. Cal. Date(s)** 27-JUN-25 17:24 - 28-JUN-25 04:36

Lab Sample ID WBN250224-04.11 **Method:** s062725_ICAL\MSDB_8270_062725.m

Quant Type ISTD **Method Update:** 03-JUL-25 09:56

	Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
S	2-Fluorophenol	1.0953	1.14874		.01		4.87903	30		Averaged
S	Phenol-d5	1.2655	1.35465		.01		7.04465	30		Averaged
S	Nitrobenzene-d5	0.2373	0.24844		.01		4.69448	30		Averaged
S	2-Fluorobiphenyl	1.5288	1.60986		.01		5.3022	30		Averaged
S	2,4,6-Tribromophenol	0.3263	0.35296		.01		8.1704	30		Averaged
S	p-Terphenyl-d14	1.0868	1.10003		.01		1.21734	30		Averaged
	Phenol	1.3043	1.32176		.8		1.33865	30		Averaged
	1,4-Dichlorobenzene	1.5099	1.54609		.01		2.39685	30		Averaged
	N-Nitrosodipropylamine	0.5414	0.54131		.5		-0.01662	30		Averaged
	2-Nitrophenol	0.1761	0.18583		.1		5.52527	30		Averaged
	2,4-Dichlorophenol	0.3136	0.3351		.2		6.85587	30		Averaged
	Hexachlorobutadiene	0.1921	0.20666		.01		7.57939	30		Averaged
	4-Chloro-3-methylphenol	0.2665	0.27195		.2		2.04503	30		Averaged
	Hexachlorocyclopentadiene	0.4659	0.51615		.05		10.78558	30		Averaged
	2,4,6-Trichlorophenol	0.4302	0.4523		.2		5.13715	30		Averaged
	Dimethylphthalate	1.4081	1.42775		.01		1.3955	30		Averaged
	Acenaphthene	1.2333	1.292		.9		4.75959	30		Averaged
	2,4-Dinitrophenol	40	42.15	40			5.375	30		Linear
	4-Nitrophenol	40	42.68	40			6.7	30		Linear
	Diphenylamine	0.6423	0.68244		.01		6.24942	30		Averaged
	Pentachlorophenol	40	39.1	40			-2.25	30		Linear
	Fluoranthene	1.2523	1.33169		.6		6.33954	30		Averaged
	Di-n-octylphthalate	40	40.6	40			1.5	30		Linear
	Benzo(a)pyrene	1.0711	1.11934		.7		4.50378	30		Averaged

Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2710.D
Acq On : 27 Jun 2025 20:36
Operator : NM1
InstName : MSDB
Sample : |WBN250224-04.11|ICV|1|SVM|1|M-ICV
Misc : MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 10:01:53 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	393572	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.698	5.697	1.000	1423806	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.416	7.414	1.000	792985	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.731	8.730	1.000	1620185	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.257	11.259	1.000	1801589	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.632	13.635	1.000	1882190	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	393572	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.698	5.697	1.000	1423806	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.416	7.417	1.000	792985	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.731	8.732	1.000	1620185	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.257	11.257	1.000	1801589	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.632	13.631	1.000	1882190	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.698	5.697	1.000	1423806	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.731	8.732	1.000	1620185	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.257	11.257	1.000	1801589	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.698	5.699	1.000	1423806	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.416	7.419	1.000	792985	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.731	8.734	1.000	1620185	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.257	11.262	1.000	1801589	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.698	5.699	1.000	1423806	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.632	13.649	1.000	1882190	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.086	3.085	0.714	452113	41.95	ng/uL	0.00
8) Phenol-d5	99	3.895	3.894	0.901	533153	42.82	ng/uL	0.00
23) Nitrobenzene-d5	82	4.909	4.908	0.862	353737	41.88	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.783	6.782	0.915	1276592	42.12	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	8.119	8.118	1.095	279889	43.26	ng/uL	0.00
79) p-Terphenyl-d14	244	10.091	10.093	1.156	1782245	40.49	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.024	2.023	0.468	173664	41.60	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	2.187	2.186	0.506	198229	36.69	ng/uL	99
4) Pyridine	79	2.228	2.228	0.516	405060	39.92	ng/uL	100
6) p-Benzoquinone	108	3.523	3.522	0.815	164246	31.03	ng/uL	99
7) Aniline	93	3.981	3.981	0.921	683639	43.18	ng/uL	100
9) Phenol	94	3.908	3.908	0.904	520207	40.54	ng/uL	99
10) bis(2-Chloroethyl) ether	93	4.030	4.029	0.932	400142	41.10	ng/uL	100
11) 2-Chlorophenol	128	4.100	4.099	0.949	516708	40.91	ng/uL	99
12) n-Decane	43	4.138	4.140	0.957	279445	42.32	ng/uL	99
13) 1,3-Dichlorobenzene	146	4.266	4.265	0.987	599900	40.73	ng/uL	100
14) 1,4-Dichlorobenzene	146	4.339	4.338	1.004	608496	40.96	ng/uL	99
15) 1,2-Dichlorobenzene	146	4.499	4.502	1.041	589162	41.49	ng/uL	100
16) bis(2-Chloro-1-methyle...	45	4.593	4.592	1.063	319961	35.89	ng/uL	90
17) Benzyl alcohol	108	4.444	4.443	1.028	308698	42.52	ng/uL	98
18) o-Cresol	107	4.544	4.543	1.051	371660	42.01	ng/uL	98
19) m,p-Cresols	108	4.708	4.710	1.089	445670	41.07	ng/uL	88

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2710.D
Acq On : 27 Jun 2025 20:36
Operator : NM1
InstName : MSDB
Sample : |WBN250224-04.11|ICV|1|SVM|1|M-ICV
Misc : MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 10:01:53 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	4.735	4.735	1.096	213045	39.99	ng/uL	100
21)	Hexachloroethane	117	4.871	4.870	1.127	180642	41.58	ng/uL	98
24)	Nitrobenzene	77	4.930	4.929	0.865	349137	41.98	ng/uL	99
25)	Isophorone	82	5.197	5.197	0.912	613310	37.24	ng/uL	100
26)	2-Nitrophenol	139	5.281	5.280	0.927	264590	42.20	ng/uL	98
27)	2,4-Dimethylphenol	122	5.312	5.311	0.932	445961	41.97	ng/uL	98
28)	bis(2-Chloroethoxy)met...	93	5.427	5.426	0.952	511092	41.83	ng/uL	100
29)	2,4-Dichlorophenol	162	5.535	5.534	0.971	477122	42.75	ng/uL	99
30)	Benzoic acid	105	5.378	5.370	0.944	285559	44.02	ng/uL	98
31)	1,2,4-Trichlorobenzene	180	5.636	5.635	0.989	545371	42.84	ng/uL	100
32)	alpha-Terpineol	59	5.726	5.725	1.005	220773	39.46	ng/uL	99
33)	Naphthalene	128	5.719	5.722	1.004	1519906	41.99	ng/uL	99
34)	4-Chloroaniline	127	5.768	5.767	1.012	612202	40.43	ng/uL	100
35)	Hexachlorobutadiene	225	5.851	5.850	1.027	294244	43.03	ng/uL	99
36)	4-Chloro-3-methylphenol	107	6.254	6.253	1.098	387198	40.82	ng/uL	98
37)	2-Methylnaphthalene	142	6.428	6.427	1.128	1089677	46.95	ng/uL	98
38)	1-Methylnaphthalene	142	6.525	6.524	1.145	1041670	43.15	ng/uL	99
40)	Hexachlorocyclopentadiene	237	6.581	6.583	0.887	409296	44.31	ng/uL	97
41)	2,3-Dichloroaniline	161	6.699	6.698	0.903	614190	43.48	ng/uL	100
42)	2,4,6-Trichlorophenol	196	6.695	6.694	0.903	358668	42.06	ng/uL	99
43)	2,4,5-Trichlorophenol	196	6.727	6.726	0.907	370245	40.28	ng/uL	99
45)	2-Chloronaphthalene	162	6.897	6.896	0.930	1058442	42.36	ng/uL	99
46)	o-Nitroaniline	138	6.991	6.990	0.943	319180	41.29	ng/uL	99
47)	1,4-Dinitrobenzene	168	7.116	7.119	0.960	166195	44.57	ng/uL	96
48)	m-Dinitrobenzene	168	7.189	7.188	0.970	195578	45.58	ng/uL	98
49)	m-Nitroaniline	138	7.370	7.369	0.994	292775	41.83	ng/uL	99
50)	Dimethylphthalate	163	7.162	7.160	0.966	1132181	40.56	ng/uL	100
51)	2,6-Dinitrotoluene	165	7.214	7.216	0.973	258660	41.85	ng/uL	99
52)	2,4-Dinitrotoluene	165	7.583	7.582	1.023	353355	41.61	ng/uL	100
53)	Acenaphthylene	152	7.287	7.286	0.983	1679493	41.06	ng/uL	100
54)	Acenaphthene	154	7.447	7.446	1.004	1024535	41.90	ng/uL	100
55)	2,4-Dinitrophenol	184	7.464	7.463	1.007	146460	42.15	ng/uL	99
56)	Dibenzofuran	168	7.604	7.603	1.025	1529250	41.53	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	7.705	7.707	1.039	331221	40.53	ng/uL	98
58)	Diethylphthalate	149	7.798	7.798	1.052	1086106	41.54	ng/uL	100
59)	4-Nitrophenol	109	7.503	7.502	1.012	83250	42.68	ng/uL	99
60)	Fluorene	166	7.910	7.909	1.067	1222223	41.84	ng/uL	99
61)	4-Chlorophenylphenylether	204	7.903	7.905	1.066	619395	42.02	ng/uL	99
62)	p-Nitroaniline	138	7.917	7.919	1.068	289841	42.99	ng/uL	100
65)	2-Methyl-4,6-dinitroph...	198	7.945	7.944	0.910	199173	41.35	ng/uL	98
66)	Diphenylamine	169	8.004	8.006	0.917	1105685	42.50	ng/uL	99
67)	1,2-Diphenylhydrazine	77	8.042	8.045	0.921	736641	41.66	ng/uL	100
68)	4-Bromophenylphenylether	248	8.334	8.333	0.955	401126	40.00	ng/uL	98
69)	Hexachlorobenzene	284	8.394	8.393	0.961	500264	40.75	ng/uL	98
70)	Pentachlorophenol	266	8.557	8.560	0.980	300447	39.10	ng/uL	99
71)	n-Octadecane	57	8.613	8.612	0.986	469142	40.14	ng/uL	100
72)	Dinoseb	211	8.710	8.709	0.998	290564	39.85	ng/uL	99
73)	Phenanthrene	178	8.752	8.751	1.002	1914023	42.56	ng/uL	100
74)	Anthracene	178	8.798	8.797	1.008	1916851	42.54	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2710.D
Acq On : 27 Jun 2025 20:36
Operator : NM1
InstName : MSDB
Sample : |WBN250224-04.11|ICV|1|SVM|1|M-ICV
Misc : MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 10:01:53 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

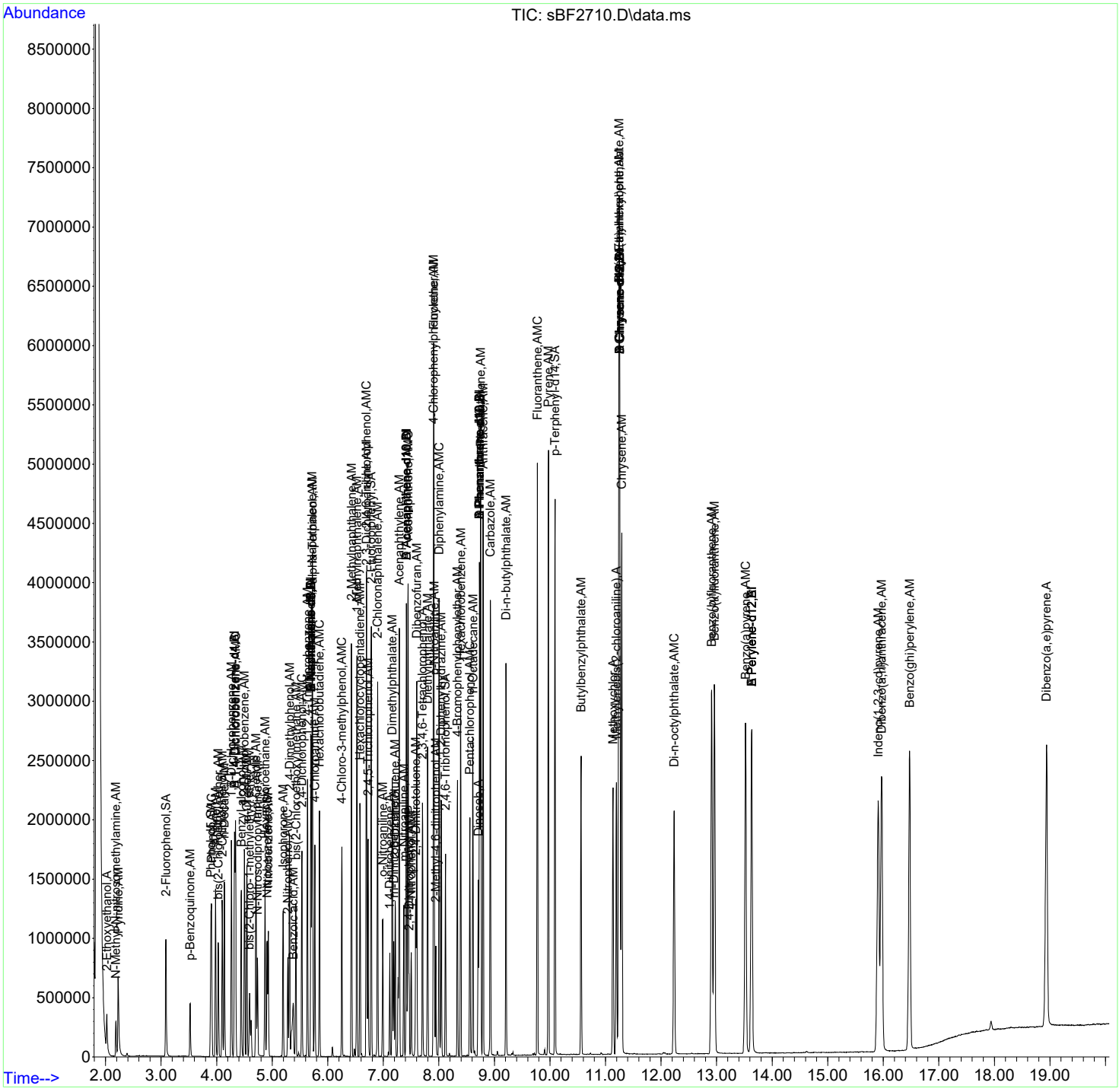
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	8.926	8.929	1.022	1672289	41.19	ng/uL	100
76) Di-n-butylphthalate	149	9.208	9.210	1.055	1967761	43.99	ng/uL	100
77) Fluoranthene	202	9.774	9.773	1.119	2157585	42.54	ng/uL	99
78) Pyrene	202	9.973	9.972	1.142	2195002	42.20	ng/uL	99
81) Butylbenzylphthalate	149	10.560	10.559	0.938	814266	44.77	ng/uL	99
82) bis(2-Ethylhexyl)phtha...	149	11.243	11.245	0.999	1217251	41.92	ng/uL	100
83) Benzo(a)anthracene	228	11.243	11.245	0.999	2225429	42.44	ng/uL	100
84) Chrysene	228	11.292	11.295	1.003	2104346	43.05	ng/uL	100
85) Methoxychlor	227	11.134	11.137	0.989	1209482	41.26	ng/uL	100
86) Methylenebis(2-chloroa...	231	11.197	11.196	0.995	403501	39.61	ng/uL	100
87) Di-n-octylphthalate	149	12.234	12.237	1.087	1968034	40.60	ng/uL	100
89) Benzo(b)fluoranthene	252	12.912	12.915	0.947	2225290	41.75	ng/uL	99
90) Benzo(k)fluoranthene	252	12.961	12.964	0.951	2107106	39.02	ng/uL	100
91) Benzo(a)pyrene	252	13.521	13.524	0.992	2106804	41.80	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	15.910	15.913	1.167	2149765	39.63	ng/uL	99
93) Dibenzo(a,h)anthracene	278	15.969	15.972	1.171	2285232	41.79	ng/uL	98
94) Benzo(ghi)perylene	276	16.474	16.477	1.208	2157447	39.13	ng/uL	98
95) Dibenzo(a,e)pyrene	302	18.941	18.941	1.389	2036047	42.86	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2710.D
Acq On : 27 Jun 2025 20:36
Operator : NM1
InstName : MSDB
Sample : |WBN250224-04.11|ICV|1|SVM|1|M-ICV
Misc : MIX[A]
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 03 10:01:53 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2711.D
Acq On : 27 Jun 2025 21:00
Operator : NM1
InstName : MSDB
Sample : |WBN250513-51.1|ICAL|1|SVM|1|APX-2
Misc : MIX[B,J]
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 10:02:08 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.321	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.414	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.732	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.256	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.630	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.321	4.322	1.000	398551	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	1415763	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.414	7.417	1.000	778579	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.732	8.732	1.000	1576078	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.256	11.257	1.000	1704378	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.630	13.631	1.000	1712914	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.699	5.697	1.000	1415763	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.732	8.732	1.000	1576078	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.256	11.257	1.000	1704378	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.414	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.732	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.256	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.630	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.834	6.782	0.922	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.030	2.026	0.470	42517	10.10	ng/uL	97
98) Methyl methacrylate	69	2.023	2.023	0.468	45871	9.78	ng/uL	98
99) Ethyl methacrylate	69	2.450	2.450	0.567	71380	9.84	ng/uL	95
100) 2-Picoline	93	2.686	2.686	0.622	118293	9.94	ng/uL	100
101) N-Nitrosomethylethylamine	88	2.738	2.738	0.634	41061	9.66	ng/uL	98
102) Methyl methanesulfonate	80	2.953	2.957	0.683	39771	9.89	ng/uL	100
103) N-Nitrosodiethylamine	102	3.293	3.294	0.762	42488	9.43	ng/uL	99
104) 2-Butoxyethanol	57	3.345	3.346	0.774	77593	9.80	ng/uL	100
105) Ethyl methanesulfonate	79	3.536	3.537	0.818	67129	9.98	ng/uL	99
106) Benzaldehyde	77	3.883	3.884	0.899	62989	9.48	ng/uL	99
107) Pentachloroethane	167	4.039	4.040	0.935	49517	9.81	ng/uL	100
108) N-Nitrosopyrrolidine	100	4.706	4.707	1.089	37576	8.36	ng/uL	96
109) Acetophenone	105	4.737	4.738	1.096	146359	9.69	ng/uL	99
110) N-Nitrosomorpholine	56	4.747	4.748	1.099	27009	9.25	ng/uL	99
111) o-Toluidine	106	4.775	4.776	1.105	173997	9.90	ng/uL	99
113) N-Nitrosopiperidine	114	5.095	5.096	0.894	51128	9.17	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2711.D
Acq On : 27 Jun 2025 21:00
Operator : NM1
InstName : MSDB
Sample : |WBN250513-51.1|ICAL|1|SVM|1|APX-2
Misc : MIX[B,J]
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 10:02:08 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

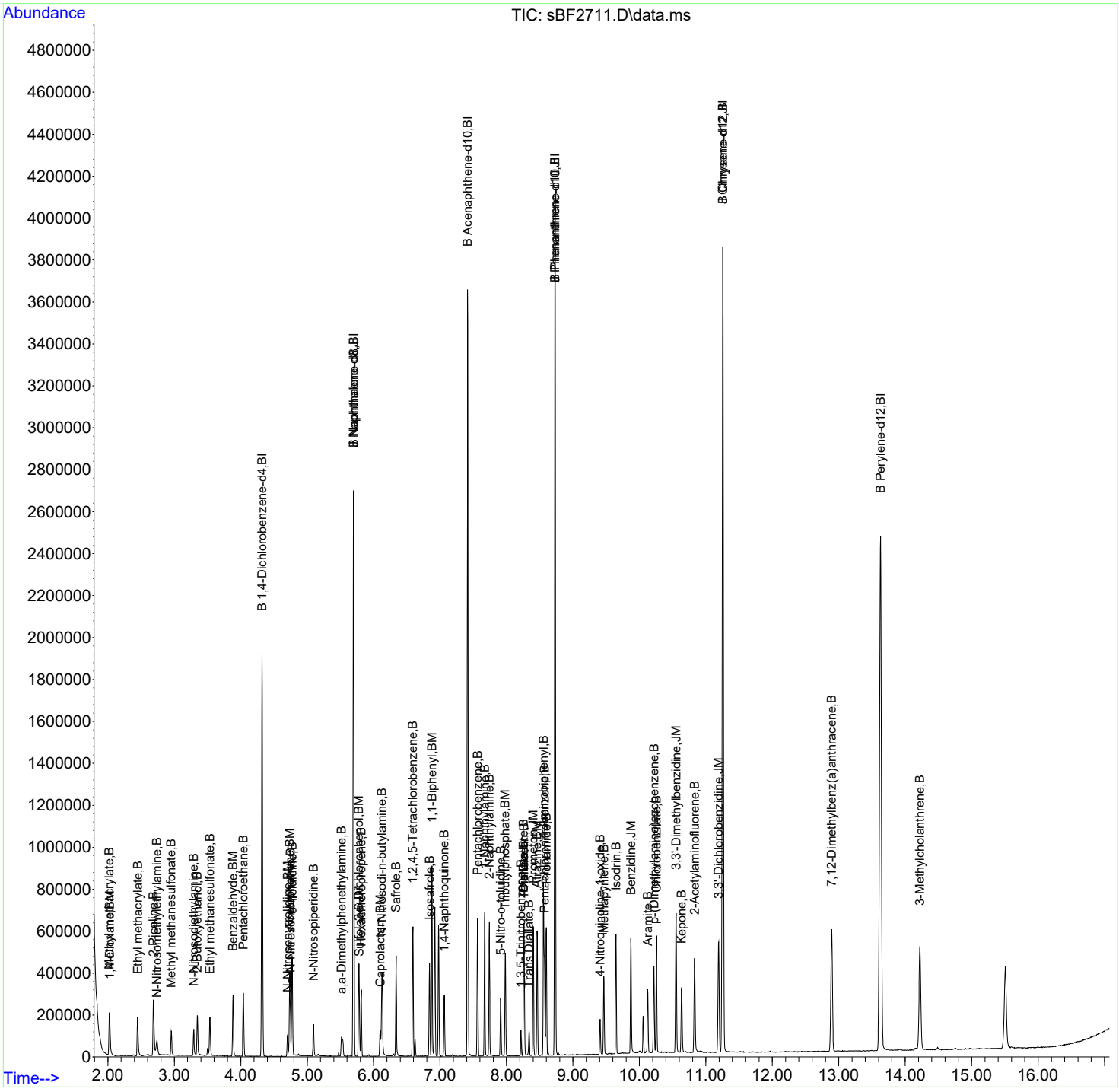
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.518	5.558	0.968	110804	7.44	ng/uL	99
115) 2,6-Dichlorophenol	162	5.779	5.780	1.014	100382	9.28	ng/uL	100
116) Hexachloropropene	213	5.813	5.815	1.020	64768	9.25	ng/uL	100
117) Caprolactam	113	6.098	6.103	1.070	23810	8.30	ng/uL	76
118) N-Nitrosodi-n-butylamine	116	6.122	6.121	1.074	17140	8.67	ng/uL	99
119) Safrole	162	6.338	6.340	1.112	97860	9.40	ng/uL	99
121) 1,2,4,5-Tetrachloroben...	216	6.591	6.590	0.889	135237	10.22	ng/uL	100
122) 1,1-Biphenyl	154	6.879	6.878	0.928	326324	10.36	ng/uL	100
123) Isosafrole	162	6.841	6.843	0.923	107000	9.86	ng/uL	98
124) 1,4-Naphthoquinone	158	7.064	7.062	0.953	78113	8.86	ng/uL	99
125) Pentachlorobenzene	250	7.564	7.566	1.020	127908	10.02	ng/uL	100
126) 1-Naphthylamine	143	7.671	7.670	1.035	236745	9.33	ng/uL	98
127) 2-Naphthylamine	143	7.741	7.743	1.044	249957	9.48	ng/uL	98
128) 5-Nitro-o-toluidine	152	7.911	7.914	1.067	59663	8.04	ng/uL	96
129) Tributylphosphate	99	7.981	7.983	1.076	229957	8.92	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	8.217	8.223	0.941	14766	8.32	ng/uL	94
132) Phenacetin	108	8.265	8.272	0.947	90713	8.57	ng/uL	98
133) Diallate	86	8.258	8.258	0.946	57912	9.43	ng/uL	99
134) Cis Diallate	86	8.258	8.258	0.946	57912	8.01	ng/uL	99
135) Trans Diallate	86	8.338	8.341	0.955	21050	1.47	ng/uL	99
136) Atrazine	200	8.460	8.467	0.969	80767	9.87	ng/uL	99
137) 4-Aminobiphenyl	169	8.557	8.561	0.980	317539	9.71	ng/uL	99
138) Pentachloronitrobenzene	237	8.571	8.575	0.982	26189	9.15	ng/uL	98
139) Pronamide	173	8.599	8.603	0.985	118403	9.28	ng/uL	100
140) 4-Nitroquinoline-1-oxide	160	9.409	9.412	1.078	8006	12.95	ng/uL#	69
141) Methapyrilene	58	9.465	9.468	1.084	84913	8.42	ng/uL	98
142) Isodrin	193	9.649	9.649	1.105	49196	9.75	ng/uL	96
144) Aramite	185	10.125	10.129	0.900	44997	9.12	ng/uL	98
145) Kepone	272	10.637	10.641	0.945	42897	9.24	ng/uL	98
146) p-(Dimethylamino)azobe...	120	10.219	10.220	0.908	82931	8.81	ng/uL	100
147) Chlorobenzilate	251	10.258	10.258	0.911	126825	9.32	ng/uL	100
148) 2-Acetylaminofluorene	181	10.832	10.836	0.962	139495	8.01	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	12.893	12.901	0.946	207999	9.12	ng/uL	99
151) 3-Methylcholanthrene	269	14.221	14.232	1.043	50955	8.70	ng/uL	99
153) Sulfolane	56	5.786	5.784	1.015	21549	9.94	ng/uL	95
155) Prometon	210	8.401	8.407	0.962	68161	9.13	ng/uL	98
156) Benzidine	184	9.871	9.875	1.131	240835	8.89	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	10.553	10.557	0.938	272269	9.11	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	11.193	11.194	0.994	177033	9.08	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2711.D
Acq On : 27 Jun 2025 21:00
Operator : NM1
InstName : MSDB
Sample : |WBN250513-51.1|ICAL|1|SVM|1|APX-2
Misc : MIX[B,J]
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 03 10:02:08 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL
07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2712.D
Acq On : 27 Jun 2025 21:21
Operator : NM1
InstName : MSDB
Sample : |WBN250513-52|ICAL|1|SVM|1|APX-3
Misc : MIX[B,J]
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:51:34 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.321	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.415	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.733	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.257	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.631	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.321	4.322	1.000	431638	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	1519152	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.415	7.417	1.000	847575	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.733	8.732	1.000	1729939	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.257	11.257	1.000	1940120	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.631	13.631	1.000	1934436	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.699	5.697	1.000	1519152	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.733	8.732	1.000	1729939	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.257	11.257	1.000	1940120	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.415	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.733	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.257	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.631	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.835	6.782	0.922	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.026	2.026	0.469	89605	19.65	ng/uL	99
98) Methyl methacrylate	69	2.019	2.023	0.467	100067	19.71	ng/uL	99
99) Ethyl methacrylate	69	2.450	2.450	0.567	155646	19.81	ng/uL	99
100) 2-Picoline	93	2.686	2.686	0.622	257916	20.01	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.738	2.738	0.634	89910	19.54	ng/uL	100
102) Methyl methanesulfonate	80	2.953	2.957	0.683	89563	20.56	ng/uL	100
103) N-Nitrosodiethylamine	102	3.293	3.294	0.762	93672	19.20	ng/uL	99
104) 2-Butoxyethanol	57	3.346	3.346	0.774	169273	19.75	ng/uL	99
105) Ethyl methanesulfonate	79	3.537	3.537	0.818	145164	19.92	ng/uL	100
106) Benzaldehyde	77	3.884	3.884	0.899	149791	20.82	ng/uL	99
107) Pentachloroethane	167	4.040	4.040	0.935	109552	20.04	ng/uL	99
108) N-Nitrosopyrrolidine	100	4.706	4.707	1.089	88867	18.26	ng/uL	99
109) Acetophenone	105	4.738	4.738	1.096	323999	19.80	ng/uL	99
110) N-Nitrosomorpholine	56	4.748	4.748	1.099	62256	19.69	ng/uL	97
111) o-Toluidine	106	4.776	4.776	1.105	384000	20.17	ng/uL	99
113) N-Nitrosopiperidine	114	5.095	5.096	0.894	115233	19.26	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2712.D
Acq On : 27 Jun 2025 21:21
Operator : NM1
InstName : MSDB
Sample : |WBN250513-52|ICAL|1|SVM|1|APX-3
Misc : MIX[B,J]
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:51:34 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

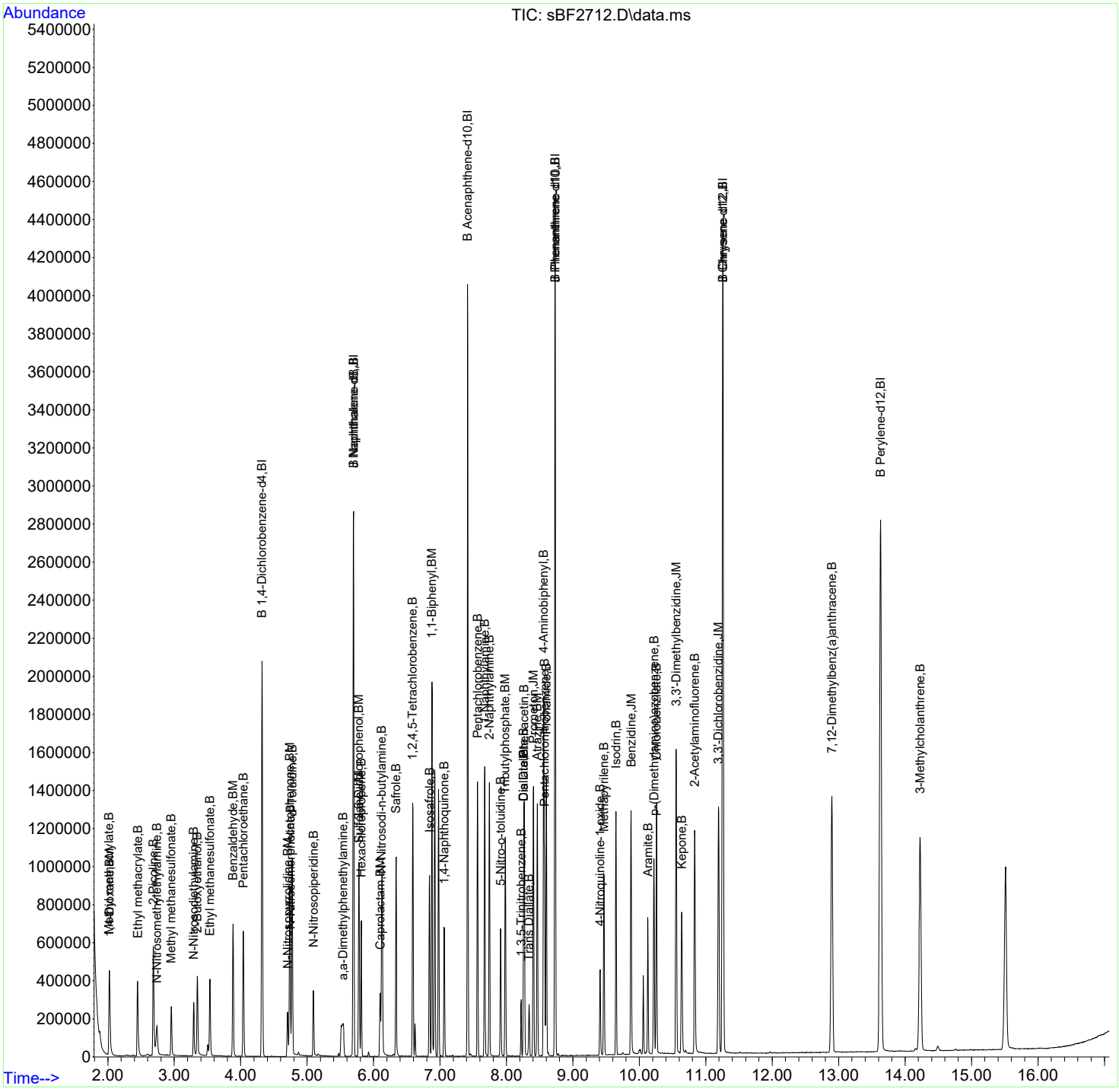
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.540	5.558	0.972	289743	18.14	ng/uL	99
115) 2,6-Dichlorophenol	162	5.779	5.780	1.014	227829	19.63	ng/uL	98
116) Hexachloropropene	213	5.814	5.815	1.020	145812	19.42	ng/uL	100
117) Caprolactam	113	6.099	6.103	1.070	56535	18.36	ng/uL	81
118) N-Nitrosodi-n-butylamine	116	6.120	6.121	1.074	40643	19.15	ng/uL	99
119) Safrole	162	6.339	6.340	1.112	218707	19.57	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	6.589	6.590	0.889	288414	20.02	ng/uL	98
122) 1,1-Biphenyl	154	6.877	6.878	0.927	706044	20.60	ng/uL	100
123) Isosafrole	162	6.842	6.843	0.923	227685	19.28	ng/uL	98
124) 1,4-Naphthoquinone	158	7.065	7.062	0.953	190471	19.84	ng/uL	99
125) Pentachlorobenzene	250	7.565	7.566	1.020	280219	20.17	ng/uL	99
126) 1-Naphthylamine	143	7.672	7.670	1.035	533551	19.31	ng/uL	99
127) 2-Naphthylamine	143	7.742	7.743	1.044	562863	19.62	ng/uL	99
128) 5-Nitro-o-toluidine	152	7.912	7.914	1.067	145786	18.04	ng/uL	98
129) Tributylphosphate	99	7.982	7.983	1.076	533342	19.01	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	8.221	8.223	0.941	34525	17.71	ng/uL	96
132) Phenacetin	108	8.266	8.272	0.947	219737	18.90	ng/uL	97
133) Diallate	86	8.259	8.258	0.946	131212	19.46	ng/uL	100
134) Cis Diallate	86	8.259	8.258	0.946	131212	16.54	ng/uL	100
135) Trans Diallate	86	8.339	8.341	0.955	45110	2.86	ng/uL	97
136) Atrazine	200	8.465	8.467	0.969	181638	20.23	ng/uL	99
137) 4-Aminobiphenyl	169	8.559	8.561	0.980	711006	19.81	ng/uL	99
138) Pentachloronitrobenzene	237	8.573	8.575	0.982	60418	19.23	ng/uL	97
139) Pronamide	173	8.601	8.603	0.985	272162	19.43	ng/uL	99
140) 4-Nitroquinoline-1-oxide	160	9.410	9.412	1.078	21586	20.60	ng/uL	76
141) Methapyrilene	58	9.466	9.468	1.084	216915	19.59	ng/uL	99
142) Isodrin	193	9.650	9.649	1.105	107270	19.37	ng/uL	98
144) Aramite	185	10.130	10.129	0.900	107780	19.19	ng/uL	99
145) Kepone	272	10.638	10.641	0.945	103820	19.64	ng/uL	98
146) p-(Dimethylamino)azobe...	120	10.220	10.220	0.908	201474	18.81	ng/uL	99
147) Chlorobenzilate	251	10.259	10.258	0.911	290623	18.76	ng/uL	97
148) 2-Acetylaminofluorene	181	10.833	10.836	0.962	361710	18.24	ng/uL	98
150) 7,12-Dimethylbenz(a)an...	256	12.898	12.901	0.946	489602	19.01	ng/uL	99
151) 3-Methylcholanthrene	269	14.226	14.232	1.044	123573	18.68	ng/uL	96
153) Sulfolane	56	5.783	5.784	1.015	47966	20.61	ng/uL	97
155) Prometon	210	8.406	8.407	0.963	157023	19.17	ng/uL	99
156) Benzidine	184	9.876	9.875	1.131	566785	19.06	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	10.554	10.557	0.938	662090	19.45	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	11.191	11.194	0.994	420891	18.96	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2712.D
Acq On : 27 Jun 2025 21:21
Operator : NM1
InstName : MSDB
Sample : |WBN250513-52|ICAL|1|SVM|1|APX-3
Misc : MIX[B,J]
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 03 09:51:34 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2713.D
Acq On : 27 Jun 2025 21:42
Operator : NM1
InstName : MSDB
Sample : |WBN250513-53|ICAL|1|SVM|1|APX-9
Misc : MIX[B,J]
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:51:38 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.321	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.700	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.416	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.734	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.256	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.634	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.321	4.322	1.000	419261	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.700	5.697	1.000	1473730	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.416	7.417	1.000	825232	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.734	8.732	1.000	1682354	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.256	11.257	1.000	1970622	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.634	13.631	1.000	2035468	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.700	5.697	1.000	1473730	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.734	8.732	1.000	1682354	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.256	11.257	1.000	1970622	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.700	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.416	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.734	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.256	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.700	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.634	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.833	6.782	0.921	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.027	2.026	0.469	132077	29.82	ng/uL	98
98) Methyl methacrylate	69	2.020	2.023	0.467	146723	29.75	ng/uL	100
99) Ethyl methacrylate	69	2.450	2.450	0.567	229453	30.06	ng/uL	99
100) 2-Picoline	93	2.686	2.686	0.622	374152	29.89	ng/uL	100
101) N-Nitrosomethylethylamine	88	2.738	2.738	0.634	128928	28.84	ng/uL	96
102) Methyl methanesulfonate	80	2.954	2.957	0.683	130870	30.93	ng/uL	99
103) N-Nitrosodiethylamine	102	3.294	3.294	0.762	141190	29.80	ng/uL	100
104) 2-Butoxyethanol	57	3.346	3.346	0.774	250988	30.14	ng/uL	100
105) Ethyl methanesulfonate	79	3.537	3.537	0.818	216866	30.63	ng/uL	99
106) Benzaldehyde	77	3.884	3.884	0.899	219821	31.45	ng/uL	99
107) Pentachloroethane	167	4.040	4.040	0.935	157065	29.57	ng/uL	97
108) N-Nitrosopyrrolidine	100	4.707	4.707	1.089	139808	29.58	ng/uL	99
109) Acetophenone	105	4.738	4.738	1.096	483812	30.44	ng/uL	100
110) N-Nitrosomorpholine	56	4.748	4.748	1.099	95909	31.23	ng/uL	99
111) o-Toluidine	106	4.776	4.776	1.105	568956	30.77	ng/uL	99
113) N-Nitrosopiperidine	114	5.096	5.096	0.894	176853	30.47	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2713.D
Acq On : 27 Jun 2025 21:42
Operator : NM1
InstName : MSDB
Sample : |WBN250513-53|ICAL|1|SVM|1|APX-9
Misc : MIX[B,J]
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:51:38 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

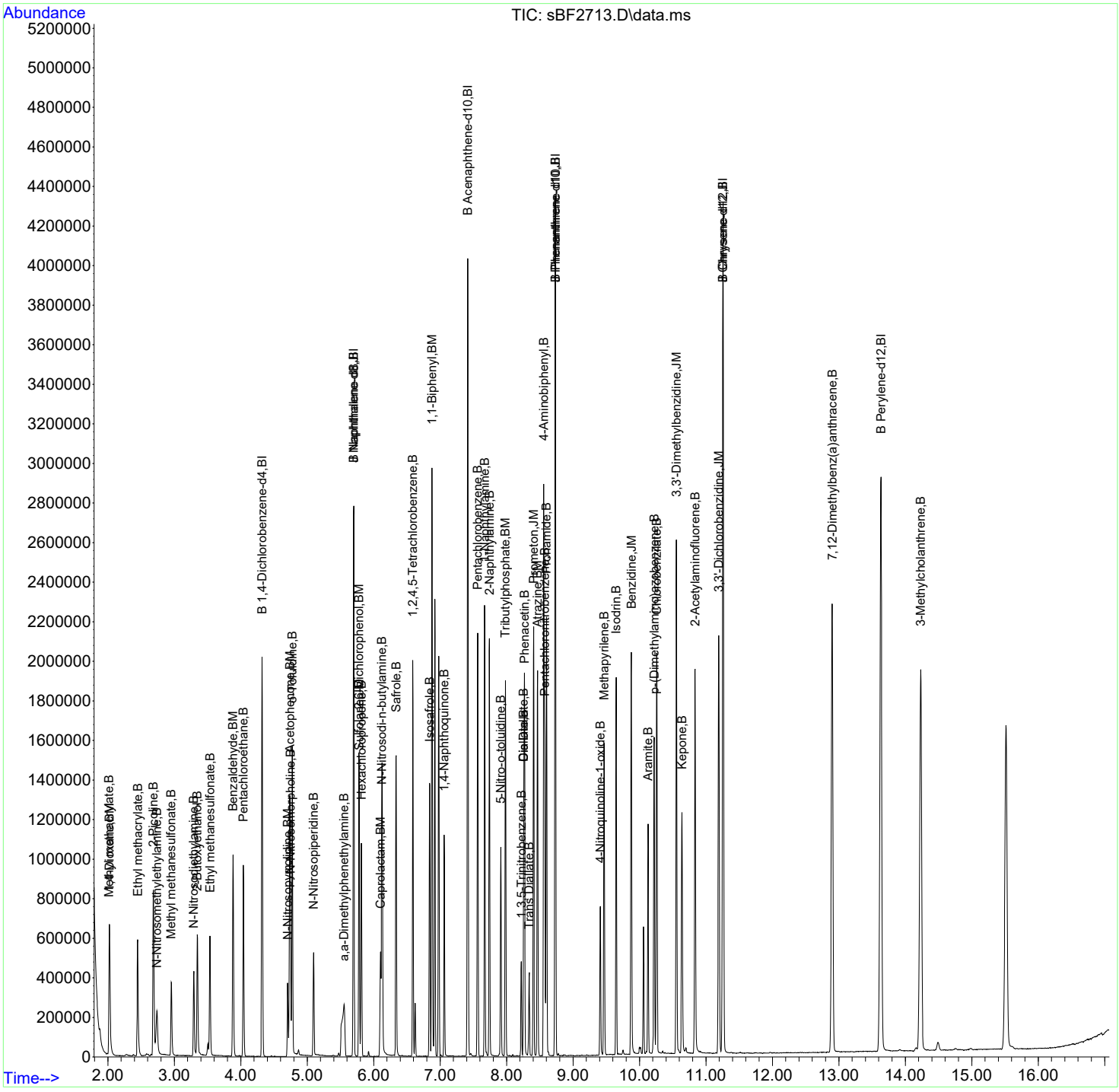
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.554	5.558	0.974	488329	31.51	ng/uL	98
115) 2,6-Dichlorophenol	162	5.780	5.780	1.014	340812	30.27	ng/uL	100
116) Hexachloropropene	213	5.815	5.815	1.020	222175	30.50	ng/uL	99
117) Caprolactam	113	6.103	6.103	1.071	88020	29.46	ng/uL	87
118) N-Nitrosodi-n-butylamine	116	6.120	6.121	1.074	62613	30.42	ng/uL	100
119) Safrole	162	6.339	6.340	1.112	331417	30.57	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	6.589	6.590	0.889	426579	30.41	ng/uL	100
122) 1,1-Biphenyl	154	6.878	6.878	0.927	1032945	30.95	ng/uL	99
123) Isosafrole	162	6.843	6.843	0.923	344739	29.98	ng/uL	99
124) 1,4-Naphthoquinone	158	7.062	7.062	0.952	296077	31.68	ng/uL	99
125) Pentachlorobenzene	250	7.566	7.566	1.020	403950	29.86	ng/uL	98
126) 1-Naphthylamine	143	7.670	7.670	1.034	809755	30.09	ng/uL	99
127) 2-Naphthylamine	143	7.743	7.743	1.044	856970	30.68	ng/uL	100
128) 5-Nitro-o-toluidine	152	7.913	7.914	1.067	229801	29.21	ng/uL	98
129) Tributylphosphate	99	7.983	7.983	1.076	845967	30.97	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	8.222	8.223	0.941	55433	29.24	ng/uL	99
132) Phenacetin	108	8.271	8.272	0.947	340455	30.11	ng/uL	100
133) Diallate	86	8.257	8.258	0.945	202221	30.84	ng/uL	99
134) Cis Diallate	86	8.257	8.258	0.945	202221	26.22	ng/uL	99
135) Trans Diallate	86	8.341	8.341	0.955	70930	4.63	ng/uL	98
136) Atrazine	200	8.466	8.467	0.969	276945	31.72	ng/uL	98
137) 4-Aminobiphenyl	169	8.560	8.561	0.980	1095480	31.38	ng/uL	100
138) Pentachloronitrobenzene	237	8.574	8.575	0.982	90862	29.74	ng/uL	97
139) Pronamide	173	8.602	8.603	0.985	420383	30.86	ng/uL	100
140) 4-Nitroquinoline-1-oxide	160	9.411	9.412	1.078	38859	29.24	ng/uL	86
141) Methapyrilene	58	9.467	9.468	1.084	346855	32.21	ng/uL	100
142) Isodrin	193	9.648	9.649	1.105	165658	30.76	ng/uL	97
144) Aramite	185	10.128	10.129	0.900	168014	29.45	ng/uL	100
145) Kepone	272	10.640	10.641	0.945	164748	30.69	ng/uL	99
146) p-(Dimethylamino)azobe...	120	10.222	10.220	0.908	325073	29.88	ng/uL	100
147) Chlorobenzilate	251	10.261	10.258	0.912	464584	29.52	ng/uL	99
148) 2-Acetylaminofluorene	181	10.838	10.836	0.963	590242	29.30	ng/uL	100
150) 7,12-Dimethylbenz(a)an...	256	12.900	12.901	0.946	800491	29.54	ng/uL	100
151) 3-Methylcholanthrene	269	14.232	14.232	1.044	205025	29.46	ng/uL	99
153) Sulfolane	56	5.784	5.784	1.015	70268	31.12	ng/uL	99
155) Prometon	210	8.407	8.407	0.963	240508	30.19	ng/uL	98
156) Benzidine	184	9.878	9.875	1.131	908594	31.41	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	10.556	10.557	0.938	1053367	30.47	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	11.193	11.194	0.994	679180	30.12	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2713.D
Acq On : 27 Jun 2025 21:42
Operator : NM1
InstName : MSDB
Sample : |WBN250513-53|ICAL|1|SVM|1|APX-9
Misc : MIX[B,J]
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 03 09:51:38 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2714.D
Acq On : 27 Jun 2025 22:02
Operator : NM1
InstName : MSDB
Sample : |WBN250513-54.1|ICAL|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:51:42 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.697	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.732	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.257	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.631	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	413608	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.697	5.697	1.000	1424449	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	799563	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.732	8.732	1.000	1609378	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.257	11.257	1.000	1804340	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.631	13.631	1.000	1801201	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.697	5.697	1.000	1424449	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.732	8.732	1.000	1609378	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.257	11.257	1.000	1804340	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.697	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.732	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.257	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.697	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.631	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.833	6.782	0.921	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.026	2.026	0.469	174612	39.96	ng/uL	100
98) Methyl methacrylate	69	2.023	2.023	0.468	193137	39.70	ng/uL	100
99) Ethyl methacrylate	69	2.450	2.450	0.567	303598	40.32	ng/uL	100
100) 2-Picoline	93	2.686	2.686	0.622	495978	40.16	ng/uL	100
101) N-Nitrosomethylethylamine	88	2.738	2.738	0.634	176216	39.96	ng/uL	100
102) Methyl methanesulfonate	80	2.957	2.957	0.684	169670	40.65	ng/uL	100
103) N-Nitrosodiethylamine	102	3.294	3.294	0.762	185960	39.79	ng/uL	100
104) 2-Butoxyethanol	57	3.346	3.346	0.774	333684	40.62	ng/uL	100
105) Ethyl methanesulfonate	79	3.537	3.537	0.818	279698	40.05	ng/uL	100
106) Benzaldehyde	77	3.884	3.884	0.899	284520	41.26	ng/uL	100
107) Pentachloroethane	167	4.040	4.040	0.935	212104	40.48	ng/uL	100
108) N-Nitrosopyrrolidine	100	4.707	4.707	1.089	182660	39.17	ng/uL	100
109) Acetophenone	105	4.738	4.738	1.096	625121	39.87	ng/uL	100
110) N-Nitrosomorpholine	56	4.748	4.748	1.099	120545	39.79	ng/uL	100
111) o-Toluidine	106	4.776	4.776	1.105	723788	39.68	ng/uL	100
113) N-Nitrosopiperidine	114	5.096	5.096	0.895	227397	40.54	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2714.D
Acq On : 27 Jun 2025 22:02
Operator : NM1
InstName : MSDB
Sample : |WBN250513-54.1|ICAL|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:51:42 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

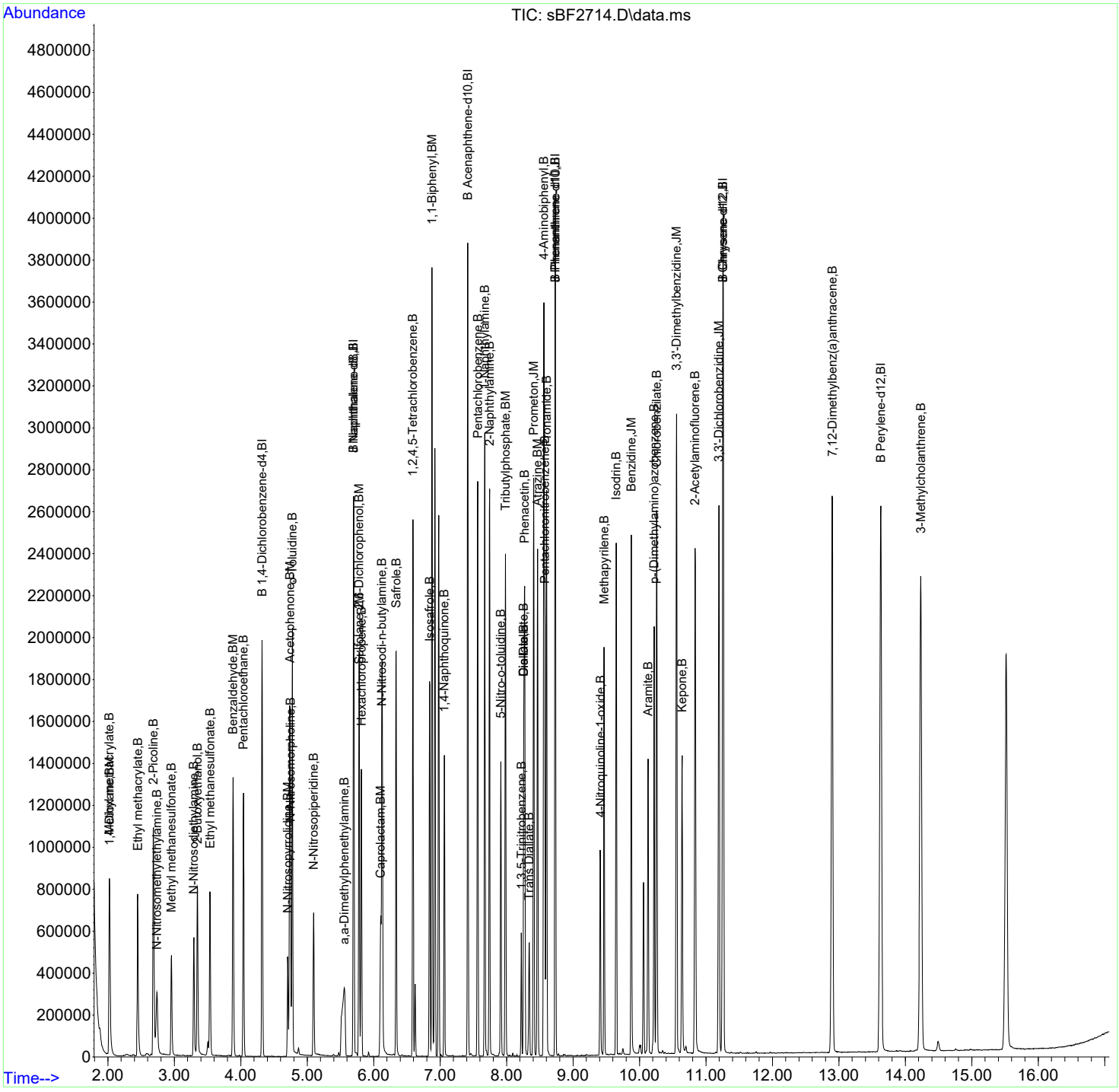
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.558	5.558	0.976	615993	41.12	ng/uL	100
115) 2,6-Dichlorophenol	162	5.780	5.780	1.015	437077	40.17	ng/uL	100
116) Hexachloropropene	213	5.815	5.815	1.021	283960	40.33	ng/uL	100
117) Caprolactam	113	6.103	6.103	1.071	115379	39.96	ng/uL	100
118) N-Nitrosodi-n-butylamine	116	6.121	6.121	1.074	82415	41.42	ng/uL	100
119) Safrole	162	6.340	6.340	1.113	427735	40.82	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	6.590	6.590	0.889	547945	40.32	ng/uL	100
122) 1,1-Biphenyl	154	6.878	6.878	0.927	1320064	40.82	ng/uL	100
123) Isosafrole	162	6.843	6.843	0.923	450888	40.46	ng/uL	100
124) 1,4-Naphthoquinone	158	7.062	7.062	0.952	383178	42.31	ng/uL	100
125) Pentachlorobenzene	250	7.566	7.566	1.020	528083	40.29	ng/uL	100
126) 1-Naphthylamine	143	7.670	7.670	1.034	1046680	40.15	ng/uL	100
127) 2-Naphthylamine	143	7.743	7.743	1.044	1098998	40.60	ng/uL	100
128) 5-Nitro-o-toluidine	152	7.914	7.914	1.067	307130	40.29	ng/uL	100
129) Tributylphosphate	99	7.983	7.983	1.076	1073952	40.58	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	8.223	8.223	0.942	70260	38.75	ng/uL	100
132) Phenacetin	108	8.272	8.272	0.947	435480	40.27	ng/uL	100
133) Diallate	86	8.258	8.258	0.946	252740	40.30	ng/uL	100
134) Cis Diallate	86	8.258	8.258	0.946	252740	34.25	ng/uL	100
135) Trans Diallate	86	8.341	8.341	0.955	89203	6.09	ng/uL	100
136) Atrazine	200	8.467	8.467	0.970	338753	40.55	ng/uL	100
137) 4-Aminobiphenyl	169	8.561	8.561	0.980	1350907	40.46	ng/uL	100
138) Pentachloronitrobenzene	237	8.575	8.575	0.982	119771	40.97	ng/uL	100
139) Pronamide	173	8.603	8.603	0.985	526760	40.43	ng/uL	100
140) 4-Nitroquinoline-1-oxide	160	9.412	9.412	1.078	53444	37.47	ng/uL	100
141) Methapyrilene	58	9.468	9.468	1.084	426456	41.39	ng/uL	100
142) Isodrin	193	9.649	9.649	1.105	203436	39.49	ng/uL	100
144) Aramite	185	10.129	10.129	0.900	207048	39.64	ng/uL	100
145) Kepone	272	10.641	10.641	0.945	196776	40.03	ng/uL	100
146) p-(Dimethylamino)azobe...	120	10.220	10.220	0.908	406535	40.82	ng/uL	100
147) Chlorobenzilate	251	10.258	10.258	0.911	578755	40.16	ng/uL	100
148) 2-Acetylaminofluorene	181	10.836	10.836	0.963	730835	39.63	ng/uL	100
150) 7,12-Dimethylbenz(a)an...	256	12.901	12.901	0.946	942669	39.31	ng/uL	100
151) 3-Methylcholanthrene	269	14.232	14.232	1.044	239566	38.90	ng/uL	100
153) Sulfolane	56	5.784	5.784	1.015	87110	39.92	ng/uL	100
155) Prometon	210	8.407	8.407	0.963	308136	40.43	ng/uL	100
156) Benzidine	184	9.875	9.875	1.131	1105501	39.95	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	10.557	10.557	0.938	1269449	40.11	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	11.194	11.194	0.994	819661	39.70	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2714.D
Acq On : 27 Jun 2025 22:02
Operator : NM1
InstName : MSDB
Sample : |WBN250513-54.1|ICAL|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 03 09:51:42 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL
07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2715.D
Acq On : 27 Jun 2025 22:23
Operator : NM1
InstName : MSDB
Sample : |WBN250513-55|ICAL|1|SVM|1|APX-5
Misc : MIX[B,J]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 03 09:51:46 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.698	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.414	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.733	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.630	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	428023	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.698	5.697	1.000	1525498	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.414	7.417	1.000	854116	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.733	8.732	1.000	1703995	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	1869426	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.630	13.631	1.000	1812340	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.698	5.697	1.000	1525498	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.733	8.732	1.000	1703995	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	1869426	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.698	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.414	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.733	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.698	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.630	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	4.868	4.908	0.854	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.834	6.782	0.922	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.027	2.026	0.469	221234	48.92	ng/uL	100
98) Methyl methacrylate	69	2.020	2.023	0.467	247560	49.17	ng/uL	99
99) Ethyl methacrylate	69	2.450	2.450	0.567	391839	50.29	ng/uL	99
100) 2-Picoline	93	2.683	2.686	0.621	641896	50.23	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.738	2.738	0.634	230852	50.59	ng/uL	100
102) Methyl methanesulfonate	80	2.957	2.957	0.684	220722	51.10	ng/uL	99
103) N-Nitrosodiethylamine	102	3.294	3.294	0.762	240185	49.66	ng/uL	99
104) 2-Butoxyethanol	57	3.350	3.346	0.775	426632	50.19	ng/uL	99
105) Ethyl methanesulfonate	79	3.537	3.537	0.818	359823	49.79	ng/uL	100
106) Benzaldehyde	77	3.885	3.884	0.899	365074	51.16	ng/uL	99
107) Pentachloroethane	167	4.041	4.040	0.935	271674	50.11	ng/uL	99
108) N-Nitrosopyrrolidine	100	4.707	4.707	1.089	242757	50.31	ng/uL	99
109) Acetophenone	105	4.739	4.738	1.096	817376	50.38	ng/uL	100
110) N-Nitrosomorpholine	56	4.749	4.748	1.099	156604	49.95	ng/uL	100
111) o-Toluidine	106	4.777	4.776	1.105	946864	50.16	ng/uL	99
113) N-Nitrosopiperidine	114	5.097	5.096	0.895	304941	50.76	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2715.D
Acq On : 27 Jun 2025 22:23
Operator : NM1
InstName : MSDB
Sample : |WBN250513-55|ICAL|1|SVM|1|APX-5
Misc : MIX[B,J]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 03 09:51:46 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

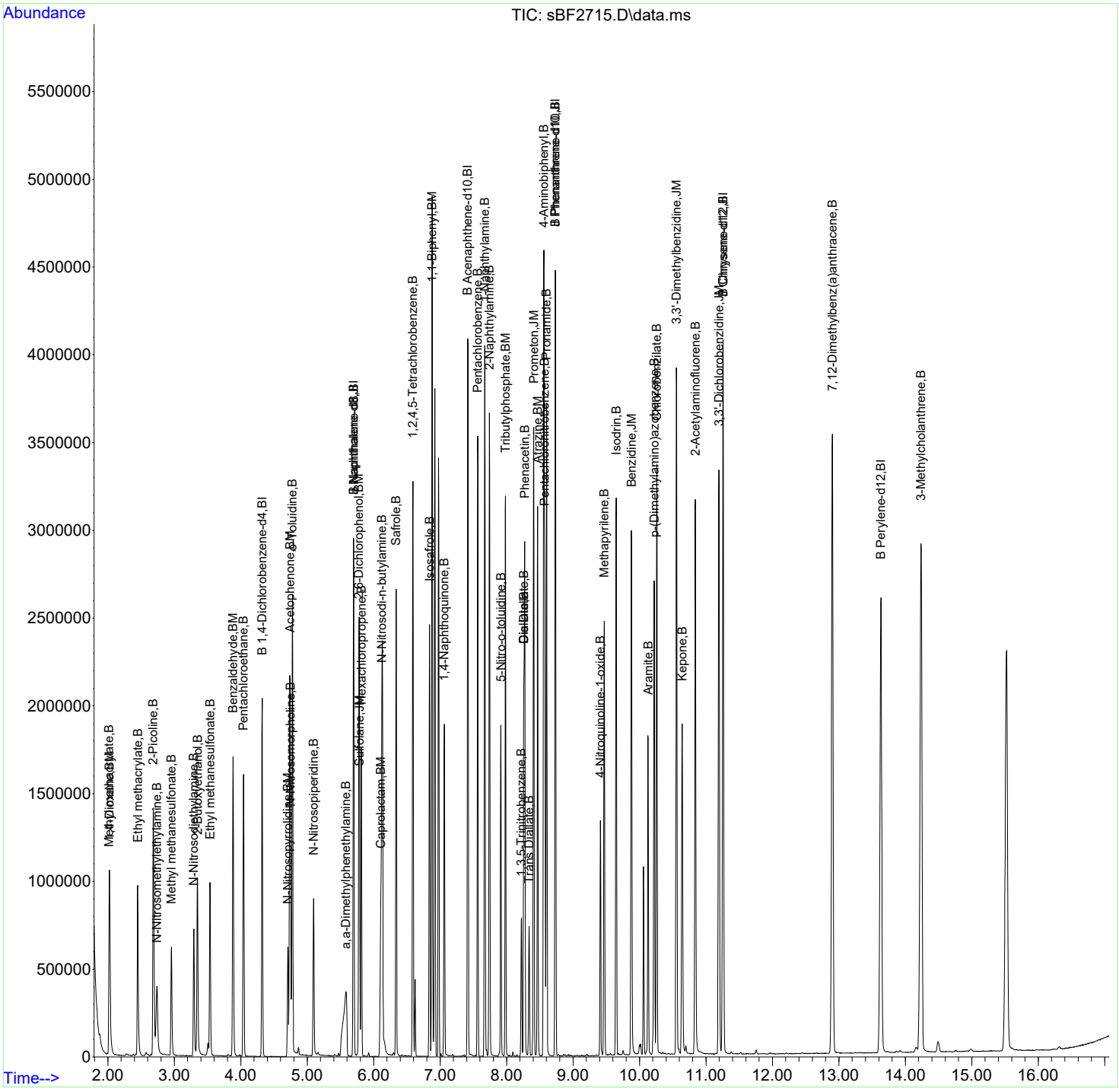
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.583	5.558	0.980	803834	50.10	ng/uL	99
115) 2,6-Dichlorophenol	162	5.778	5.780	1.014	586465	50.32	ng/uL	100
116) Hexachloropropene	213	5.816	5.815	1.021	375050	49.74	ng/uL	99
117) Caprolactam	113	6.108	6.103	1.072	159485	51.58	ng/uL	98
118) N-Nitrosodi-n-butylamine	116	6.122	6.121	1.074	106494	49.98	ng/uL	99
119) Safrole	162	6.337	6.340	1.112	562271	50.11	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	6.591	6.590	0.889	720811	49.65	ng/uL	99
122) 1,1-Biphenyl	154	6.879	6.878	0.928	1739869	50.37	ng/uL	99
123) Isosafrole	162	6.841	6.843	0.923	598481	50.28	ng/uL	100
124) 1,4-Naphthoquinone	158	7.064	7.062	0.953	508633	52.58	ng/uL	100
125) Pentachlorobenzene	250	7.564	7.566	1.020	699261	49.94	ng/uL	99
126) 1-Naphthylamine	143	7.672	7.670	1.035	1411632	50.69	ng/uL	100
127) 2-Naphthylamine	143	7.741	7.743	1.044	1456448	50.37	ng/uL	100
128) 5-Nitro-o-toluidine	152	7.915	7.914	1.068	414584	50.91	ng/uL	99
129) Tributylphosphate	99	7.985	7.983	1.077	1446883	51.17	ng/uL	99
131) 1,3,5-Trinitrobenzene	74	8.221	8.223	0.941	97117	50.59	ng/uL	98
132) Phenacetin	108	8.273	8.272	0.947	583035	50.92	ng/uL	99
133) Diallate	86	8.259	8.258	0.946	336255	50.64	ng/uL	100
134) Cis Diallate	86	8.259	8.258	0.946	336255	43.04	ng/uL	100
135) Trans Diallate	86	8.339	8.341	0.955	117767	7.59	ng/uL	98
136) Atrazine	200	8.468	8.467	0.970	445616	50.38	ng/uL	100
137) 4-Aminobiphenyl	169	8.559	8.561	0.980	1777904	50.29	ng/uL	100
138) Pentachloronitrobenzene	237	8.573	8.575	0.982	158778	51.30	ng/uL	99
139) Pronamide	173	8.601	8.603	0.985	702668	50.93	ng/uL	99
140) 4-Nitroquinoline-1-oxide	160	9.410	9.412	1.078	76077	46.78	ng/uL	88
141) Methapyrilene	58	9.470	9.468	1.084	554709	50.85	ng/uL	99
142) Isodrin	193	9.650	9.649	1.105	272476	49.96	ng/uL	99
144) Aramite	185	10.131	10.129	0.900	279978	51.73	ng/uL	99
145) Kepone	272	10.643	10.641	0.945	262270	51.50	ng/uL	99
146) p-(Dimethylamino)azobe...	120	10.221	10.220	0.908	534633	51.81	ng/uL	99
147) Chlorobenzilate	251	10.260	10.258	0.911	760285	50.92	ng/uL	99
148) 2-Acetylaminofluorene	181	10.841	10.836	0.963	977426	51.15	ng/uL	98
150) 7,12-Dimethylbenz(a)an...	256	12.903	12.901	0.947	1237041	51.27	ng/uL	100
151) 3-Methylcholanthrene	269	14.235	14.232	1.044	312101	50.37	ng/uL	98
153) Sulfolane	56	5.788	5.784	1.016	117554	50.30	ng/uL	100
155) Prometon	210	8.409	8.407	0.963	403487	50.00	ng/uL	99
156) Benzidine	184	9.877	9.875	1.131	1409992	48.13	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	10.556	10.557	0.938	1639592	50.00	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	11.196	11.194	0.994	1039121	48.58	ng/uL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2715.D
Acq On : 27 Jun 2025 22:23
Operator : NM1
InstName : MSDB
Sample : |WBN250513-55|ICAL|1|SVM|1|APX-5
Misc : MIX[B,J]
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 03 09:51:46 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2716.D
Acq On : 27 Jun 2025 22:44
Operator : NM1
InstName : MSDB
Sample : |WBN250513-56|ICAL|1|SVM|1|APX-10
Misc : MIX[B,J]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 03 09:51:50 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.698	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.415	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.734	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.257	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.634	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	413513	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.698	5.697	1.000	1452498	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.415	7.417	1.000	808947	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.734	8.732	1.000	1624076	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.257	11.257	1.000	1879581	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.634	13.631	1.000	1950400	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.698	5.697	1.000	1452498	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.734	8.732	1.000	1624076	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.257	11.257	1.000	1879581	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.698	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.415	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.734	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.257	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.698	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.634	13.649	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	4.871	4.908	0.855	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.834	6.782	0.922	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.027	2.026	0.469	265910	60.87	ng/uL	100
98) Methyl methacrylate	69	2.020	2.023	0.467	300258	61.73	ng/uL	96
99) Ethyl methacrylate	69	2.450	2.450	0.567	459094	60.99	ng/uL	100
100) 2-Picoline	93	2.683	2.686	0.621	752551	60.96	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.738	2.738	0.634	272479	61.80	ng/uL	98
102) Methyl methanesulfonate	80	2.957	2.957	0.684	249003	59.67	ng/uL	99
103) N-Nitrosodiethylamine	102	3.294	3.294	0.762	281751	60.29	ng/uL	99
104) 2-Butoxyethanol	57	3.346	3.346	0.774	493097	60.04	ng/uL	99
105) Ethyl methanesulfonate	79	3.538	3.537	0.818	416259	59.62	ng/uL	100
106) Benzaldehyde	77	3.885	3.884	0.899	419032	60.79	ng/uL	100
107) Pentachloroethane	167	4.041	4.040	0.935	312376	59.64	ng/uL	99
108) N-Nitrosopyrrolidine	100	4.711	4.707	1.090	290897	62.40	ng/uL	97
109) Acetophenone	105	4.739	4.738	1.096	934836	59.64	ng/uL	100
110) N-Nitrosomorpholine	56	4.753	4.748	1.100	181685	59.99	ng/uL	99
111) o-Toluidine	106	4.777	4.776	1.105	1084469	59.47	ng/uL	99
113) N-Nitrosopiperidine	114	5.097	5.096	0.895	348021	60.84	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2716.D
Acq On : 27 Jun 2025 22:44
Operator : NM1
InstName : MSDB
Sample : |WBN250513-56|ICAL|1|SVM|1|APX-10
Misc : MIX[B,J]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 03 09:51:50 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

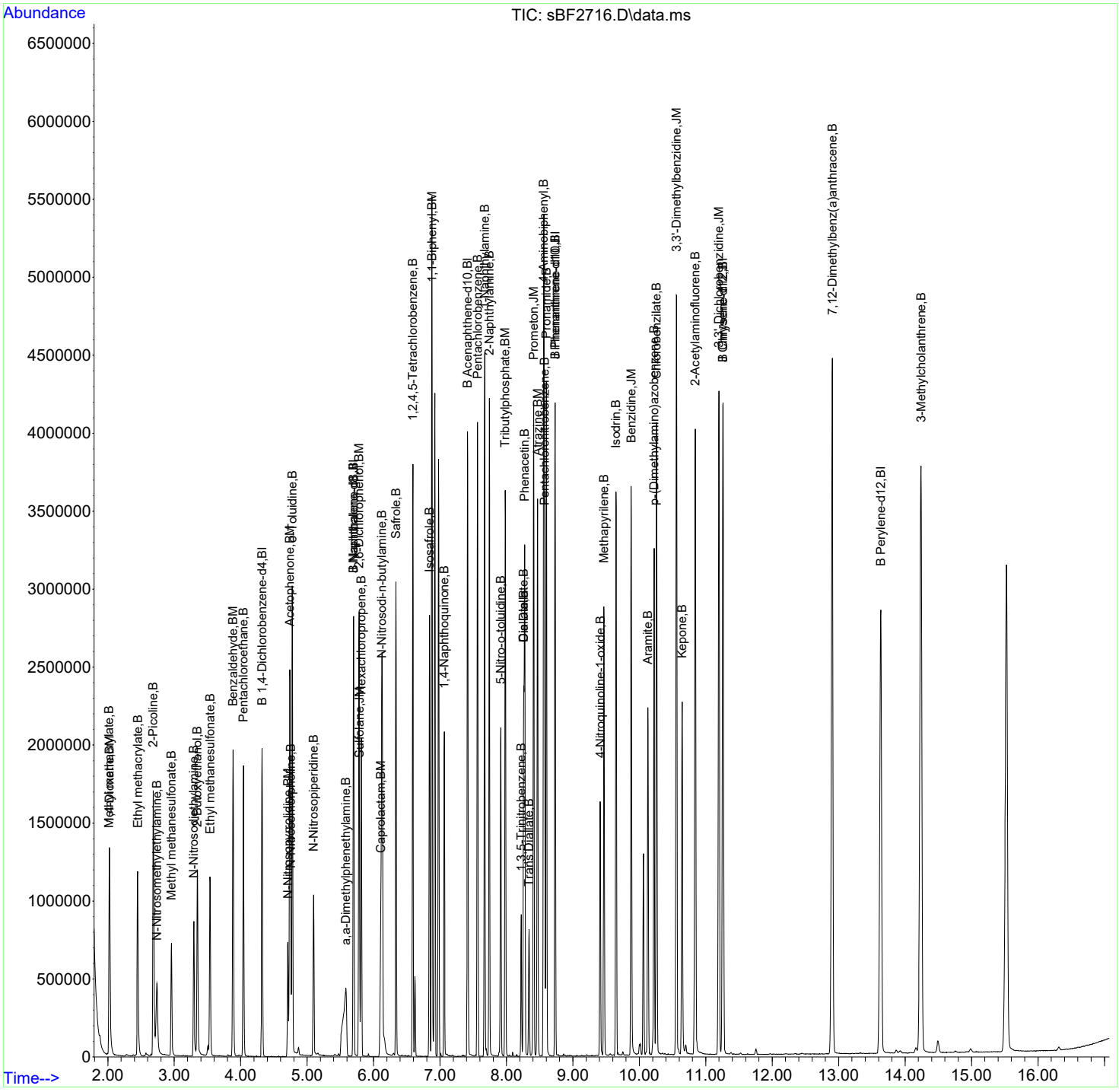
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.583	5.558	0.980	953053	62.39	ng/uL	100
115) 2,6-Dichlorophenol	162	5.781	5.780	1.015	671219	60.49	ng/uL	100
116) Hexachloropropene	213	5.816	5.815	1.021	436292	60.76	ng/uL	100
117) Caprolactam	113	6.108	6.103	1.072	181370	61.60	ng/uL	98
118) N-Nitrosodi-n-butylamine	116	6.122	6.121	1.074	123402	60.82	ng/uL	99
119) Safrole	162	6.338	6.340	1.112	643229	60.20	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	6.591	6.590	0.889	822013	59.79	ng/uL	100
122) 1,1-Biphenyl	154	6.880	6.878	0.928	1955183	59.76	ng/uL	99
123) Isosafrole	162	6.841	6.843	0.923	682561	60.55	ng/uL	100
124) 1,4-Naphthoquinone	158	7.064	7.062	0.953	569928	62.21	ng/uL	99
125) Pentachlorobenzene	250	7.564	7.566	1.020	784932	59.18	ng/uL	98
126) 1-Naphthylamine	143	7.672	7.670	1.035	1613030	61.15	ng/uL	99
127) 2-Naphthylamine	143	7.742	7.743	1.044	1660438	60.63	ng/uL	99
128) 5-Nitro-o-toluidine	152	7.915	7.914	1.068	479690	62.20	ng/uL	100
129) Tributylphosphate	99	7.982	7.983	1.076	1655399	61.82	ng/uL	99
131) 1,3,5-Trinitrobenzene	74	8.221	8.223	0.941	114881	62.78	ng/uL	97
132) Phenacetin	108	8.274	8.272	0.947	670762	61.46	ng/uL	98
133) Diallate	86	8.260	8.258	0.946	383898	60.66	ng/uL	97
134) Cis Diallate	86	8.260	8.258	0.946	383898	51.56	ng/uL	97
135) Trans Diallate	86	8.340	8.341	0.955	134812	9.12	ng/uL	96
136) Atrazine	200	8.469	8.467	0.970	512777	60.83	ng/uL	100
137) 4-Aminobiphenyl	169	8.559	8.561	0.980	2086146	61.91	ng/uL	100
138) Pentachloronitrobenzene	237	8.573	8.575	0.982	179723	60.93	ng/uL	97
139) Pronamide	173	8.601	8.603	0.985	800331	60.87	ng/uL	98
140) 4-Nitroquinoline-1-oxide	160	9.411	9.412	1.078	99009	60.07	ng/uL	80
141) Methapyrilene	58	9.467	9.468	1.084	663759	63.84	ng/uL	100
142) Isodrin	193	9.648	9.649	1.105	319517	61.47	ng/uL	100
144) Aramite	185	10.128	10.129	0.900	337890	62.10	ng/uL	100
145) Kepone	272	10.644	10.641	0.946	309615	60.47	ng/uL	98
146) p-(Dimethylamino)azobe...	120	10.222	10.220	0.908	641509	61.83	ng/uL	97
147) Chlorobenzilate	251	10.261	10.258	0.912	929434	61.91	ng/uL	97
148) 2-Acetylaminofluorene	181	10.842	10.836	0.963	1230152	64.03	ng/uL	100
150) 7,12-Dimethylbenz(a)an...	256	12.904	12.901	0.946	1601800	61.68	ng/uL	98
151) 3-Methylcholanthrene	269	14.240	14.232	1.044	415945	62.38	ng/uL	97
153) Sulfolane	56	5.788	5.784	1.016	132041	59.34	ng/uL	100
155) Prometon	210	8.409	8.407	0.963	470718	61.20	ng/uL	99
156) Benzidine	184	9.877	9.875	1.131	1763447	63.16	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	10.560	10.557	0.938	2056617	62.37	ng/uL	100
159) 3,3'-Dichlorobenzidine	252	11.197	11.194	0.995	1353813	62.95	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2716.D
Acq On : 27 Jun 2025 22:44
Operator : NM1
InstName : MSDB
Sample : |WBN250513-56|ICAL|1|SVM|1|APX-10
Misc : MIX[B,J]
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 03 09:51:50 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2717.D
Acq On : 27 Jun 2025 23:05
Operator : NM1
InstName : MSDB
Sample : |WBN250513-57|ICAL|1|SVM|1|APX-6
Misc : MIX[B,J]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 03 09:51:54 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.323	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.416	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.735	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.634	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.323	4.322	1.000	408854	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	1463566	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.416	7.417	1.000	810327	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.735	8.732	1.000	1647721	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	1961359	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.634	13.631	1.000	2033589	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.699	5.697	1.000	1463566	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.735	8.732	1.000	1647721	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	1961359	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.416	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.735	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.634	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	4.872	4.908	0.855	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.835	6.782	0.922	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.027	2.026	0.469	356700	82.58	ng/uL	99
98) Methyl methacrylate	69	2.020	2.023	0.467	401525	83.49	ng/uL	98
99) Ethyl methacrylate	69	2.450	2.450	0.567	608238	81.72	ng/uL	99
100) 2-Picoline	93	2.683	2.686	0.621	983801	80.59	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.738	2.738	0.634	356979	81.89	ng/uL	99
102) Methyl methanesulfonate	80	2.958	2.957	0.684	323622	78.43	ng/uL	99
103) N-Nitrosodiethylamine	102	3.294	3.294	0.762	380420	82.34	ng/uL	97
104) 2-Butoxyethanol	57	3.350	3.346	0.775	657134	80.93	ng/uL	100
105) Ethyl methanesulfonate	79	3.541	3.537	0.819	557189	80.71	ng/uL	99
106) Benzaldehyde	77	3.885	3.884	0.899	542303	79.56	ng/uL	99
107) Pentachloroethane	167	4.041	4.040	0.935	421263	81.34	ng/uL	100
108) N-Nitrosopyrrolidine	100	4.711	4.707	1.090	390199	84.66	ng/uL	98
109) Acetophenone	105	4.739	4.738	1.096	1249472	80.63	ng/uL	100
110) N-Nitrosomorpholine	56	4.753	4.748	1.100	243196	81.21	ng/uL	98
111) o-Toluidine	106	4.778	4.776	1.105	1437965	79.75	ng/uL	100
113) N-Nitrosopiperidine	114	5.098	5.096	0.895	472740	82.02	ng/uL	97

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2717.D
Acq On : 27 Jun 2025 23:05
Operator : NM1
InstName : MSDB
Sample : |WBN250513-57|ICAL|1|SVM|1|APX-6
Misc : MIX[B,J]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 03 09:51:54 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

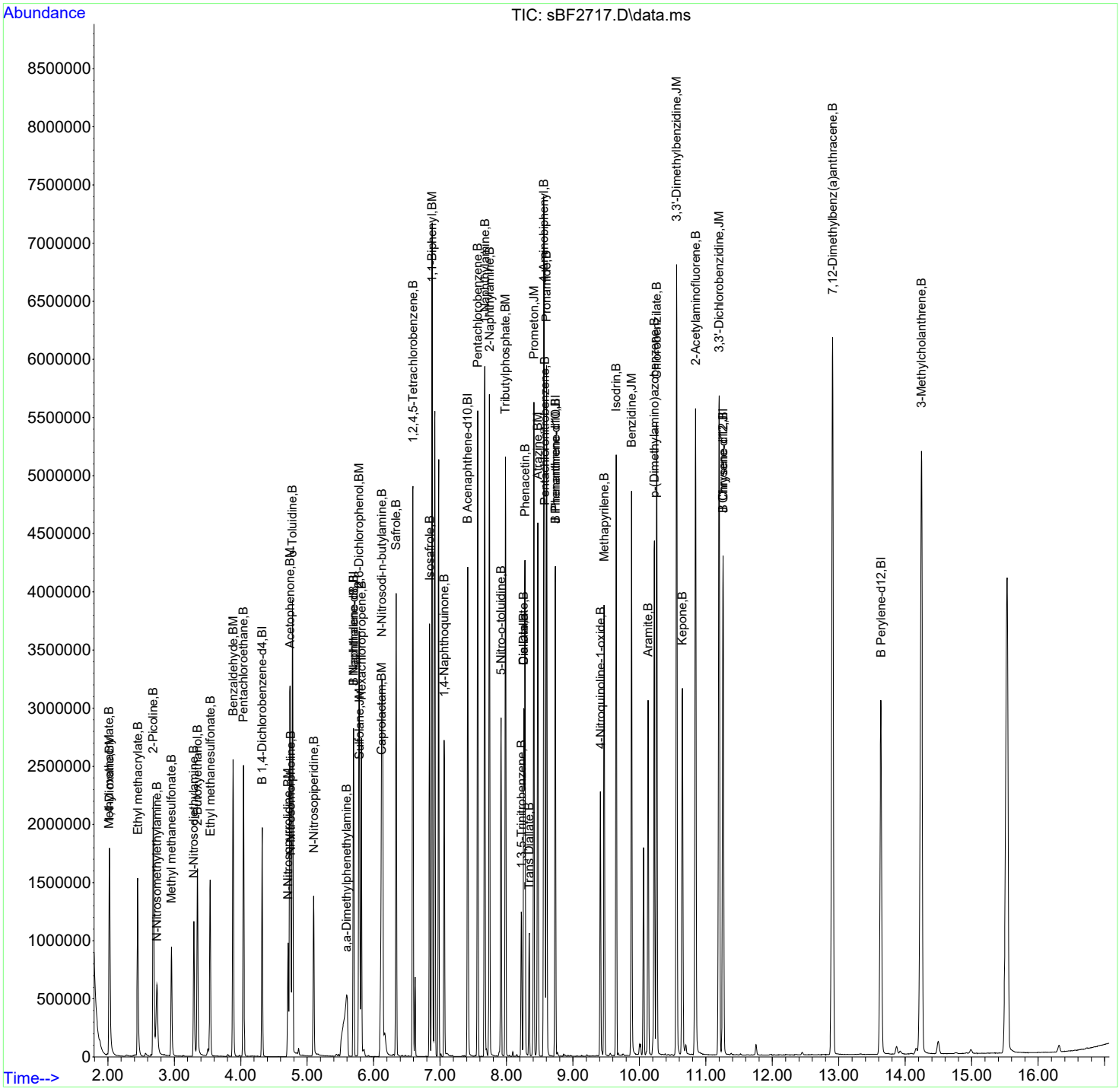
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.594	5.558	0.982	1301837	84.58	ng/uL	99
115) 2,6-Dichlorophenol	162	5.782	5.780	1.015	903384	80.80	ng/uL	99
116) Hexachloropropene	213	5.817	5.815	1.021	597882	82.64	ng/uL	98
117) Caprolactam	113	6.116	6.103	1.073	248727	83.84	ng/uL	98
118) N-Nitrosodi-n-butylamine	116	6.123	6.121	1.074	169561	82.94	ng/uL	99
119) Safrole	162	6.339	6.340	1.112	861801	80.05	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	6.592	6.590	0.889	1122284	81.49	ng/uL	99
122) 1,1-Biphenyl	154	6.881	6.878	0.928	2586666	78.93	ng/uL	99
123) Isosafrole	162	6.842	6.843	0.923	907561	80.37	ng/uL	100
124) 1,4-Naphthoquinone	158	7.062	7.062	0.952	745197	81.20	ng/uL	98
125) Pentachlorobenzene	250	7.565	7.566	1.020	1068244	80.41	ng/uL	99
126) 1-Naphthylamine	143	7.673	7.670	1.035	2159993	81.75	ng/uL	100
127) 2-Naphthylamine	143	7.743	7.743	1.044	2235704	81.50	ng/uL	100
128) 5-Nitro-o-toluidine	152	7.917	7.914	1.068	675254	87.41	ng/uL	100
129) Tributylphosphate	99	7.983	7.983	1.076	2257856	84.17	ng/uL	97
131) 1,3,5-Trinitrobenzene	74	8.223	8.223	0.941	159195	85.75	ng/uL	95
132) Phenacetin	108	8.279	8.272	0.948	929058	83.91	ng/uL	99
133) Diallate	86	8.258	8.258	0.945	522716	81.41	ng/uL	98
134) Cis Diallate	86	8.258	8.258	0.945	522716	69.20	ng/uL	98
135) Trans Diallate	86	8.341	8.341	0.955	183037	12.20	ng/uL	97
136) Atrazine	200	8.470	8.467	0.970	677062	79.17	ng/uL	99
137) 4-Aminobiphenyl	169	8.561	8.561	0.980	2788127	81.56	ng/uL	99
138) Pentachloronitrobenzene	237	8.575	8.575	0.982	251768	84.13	ng/uL	96
139) Pronamide	173	8.603	8.603	0.985	1107112	82.99	ng/uL	98
140) 4-Nitroquinoline-1-oxide	160	9.413	9.412	1.078	143267	81.22	ng/uL#	70
141) Methapyrilene	58	9.469	9.468	1.084	890186	84.39	ng/uL	98
142) Isodrin	193	9.650	9.649	1.105	436012	82.67	ng/uL	100
144) Aramite	185	10.130	10.129	0.900	466094	82.09	ng/uL	99
145) Kepone	272	10.646	10.641	0.946	443859	83.07	ng/uL	99
146) p-(Dimethylamino)azobe...	120	10.224	10.220	0.908	903526	83.45	ng/uL	96
147) Chlorobenzilate	251	10.259	10.258	0.911	1288284	82.24	ng/uL	98
148) 2-Acetylaminofluorene	181	10.845	10.836	0.963	1753142	87.45	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	12.907	12.901	0.947	2219136	81.96	ng/uL	99
151) 3-Methylcholanthrene	269	14.243	14.232	1.045	584680	84.10	ng/uL	98
153) Sulfolane	56	5.789	5.784	1.016	174577	77.86	ng/uL	98
155) Prometon	210	8.411	8.407	0.963	650739	83.40	ng/uL	99
156) Benzidine	184	9.883	9.875	1.131	2411209	85.12	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	10.559	10.557	0.938	2849481	82.82	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	11.200	11.194	0.995	1879288	83.74	ng/uL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2717.D
Acq On : 27 Jun 2025 23:05
Operator : NM1
InstName : MSDB
Sample : |WBN250513-57|ICAL|1|SVM|1|APX-6
Misc : MIX[B,J]
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 03 09:51:54 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2718.D
Acq On : 27 Jun 2025 23:26
Operator : NM1
InstName : MSDB
Sample : |WBN250513-58|ICAL|1|SVM|1|APX-7
Misc : MIX[B,J]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 03 09:51:58 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.323	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.700	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.418	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.734	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.631	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.323	4.322	1.000	443744	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.700	5.697	1.000	1613262	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.418	7.417	1.000	933348	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.734	8.732	1.000	1916063	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	2123596	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.631	13.631	1.000	2024325	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.700	5.697	1.000	1613262	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.734	8.732	1.000	1916063	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	2123596	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.700	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.418	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.734	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.700	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.631	13.649	1.000	0m	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	4.872	4.908	0.855	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.833	6.782	0.921	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.027	2.026	0.469	477324	101.82	ng/uL	99
98) Methyl methacrylate	69	2.020	2.023	0.467	531744	101.87	ng/uL	97
99) Ethyl methacrylate	69	2.450	2.450	0.567	792140	98.06	ng/uL	99
100) 2-Picoline	93	2.683	2.686	0.621	1303746	98.41	ng/uL	98
101) N-Nitrosomethylethylamine	88	2.739	2.738	0.633	478775	101.20	ng/uL	98
102) Methyl methanesulfonate	80	2.958	2.957	0.684	432394	96.55	ng/uL	100
103) N-Nitrosodiethylamine	102	3.295	3.294	0.762	519422	103.58	ng/uL	96
104) 2-Butoxyethanol	57	3.350	3.346	0.775	876552	99.46	ng/uL	99
105) Ethyl methanesulfonate	79	3.542	3.537	0.819	736604	98.31	ng/uL	99
106) Benzaldehyde	77	3.885	3.884	0.899	708634	95.79	ng/uL	99
107) Pentachloroethane	167	4.042	4.040	0.935	558841	99.42	ng/uL	100
108) N-Nitrosopyrrolidine	100	4.715	4.707	1.091	539000	107.75	ng/uL	97
109) Acetophenone	105	4.743	4.738	1.097	1700760	101.12	ng/uL	100
110) N-Nitrosomorpholine	56	4.754	4.748	1.100	326861	100.57	ng/uL	97
111) o-Toluidine	106	4.782	4.776	1.106	1950224	99.66	ng/uL	100
113) N-Nitrosopiperidine	114	5.098	5.096	0.894	644526	101.45	ng/uL	96

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2718.D
Acq On : 27 Jun 2025 23:26
Operator : NM1
InstName : MSDB
Sample : |WBN250513-58|ICAL|1|SVM|1|APX-7
Misc : MIX[B,J]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 03 09:51:58 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

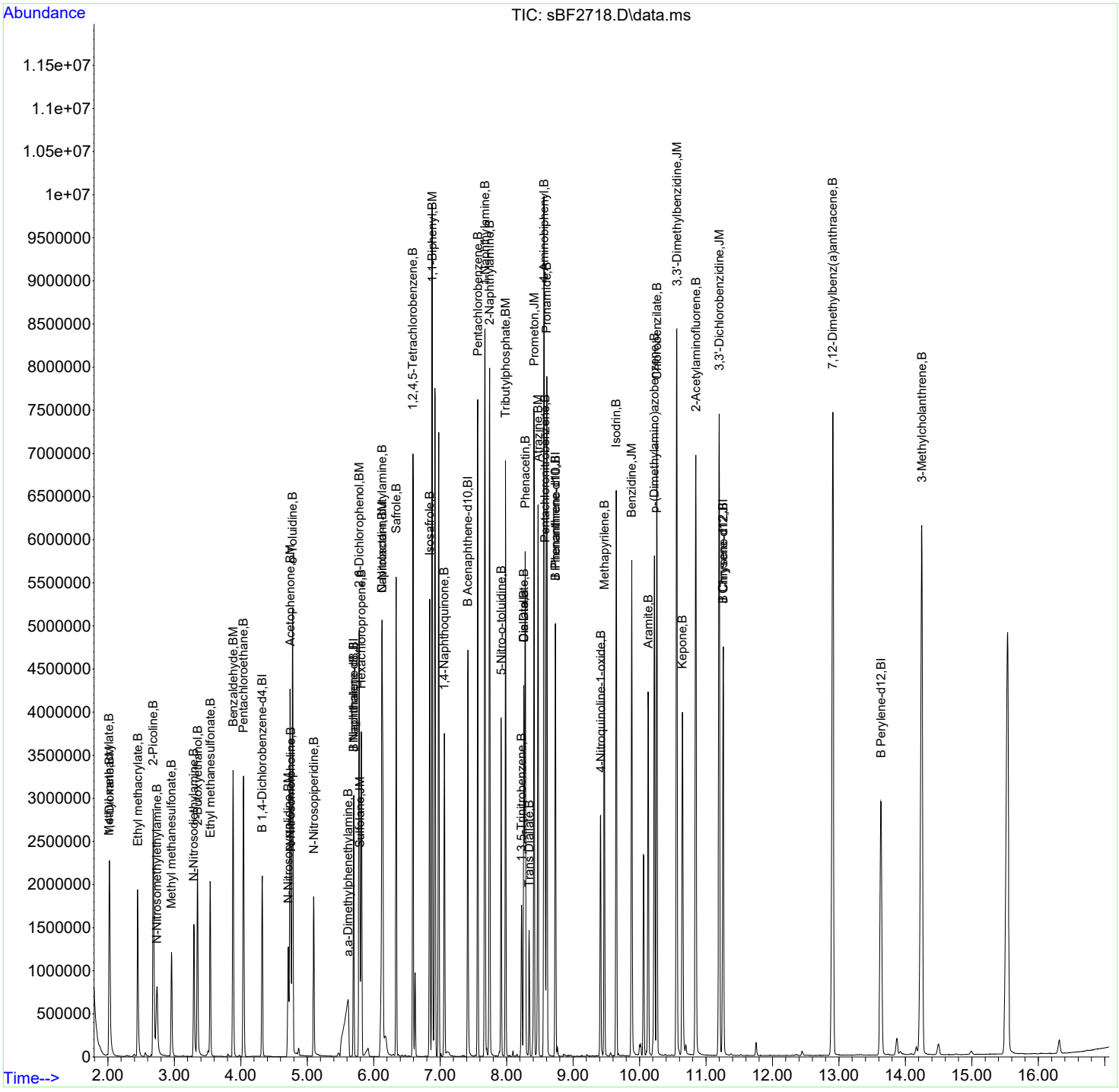
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.616	5.558	0.985	1811355	106.76	ng/uL	99
115) 2,6-Dichlorophenol	162	5.783	5.780	1.015	1265985	102.72	ng/uL	100
116) Hexachloropropene	213	5.814	5.815	1.020	806730	101.16	ng/uL	100
117) Caprolactam	113	6.124	6.103	1.074	354578	108.43	ng/uL	97
118) N-Nitrosodi-n-butylamine	116	6.124	6.121	1.074	234478	104.05	ng/uL	99
119) Safrole	162	6.340	6.340	1.112	1216870	102.54	ng/uL	99
121) 1,2,4,5-Tetrachloroben...	216	6.590	6.590	0.888	1530672	96.49	ng/uL	98
122) 1,1-Biphenyl	154	6.882	6.878	0.928	3588896	95.07	ng/uL	98
123) Isosafrole	162	6.844	6.843	0.923	1318526	101.37	ng/uL	99
124) 1,4-Naphthoquinone	158	7.063	7.062	0.952	1020694	96.56	ng/uL	99
125) Pentachlorobenzene	250	7.567	7.566	1.020	1511588	98.78	ng/uL	99
126) 1-Naphthylamine	143	7.675	7.670	1.035	3122403	102.60	ng/uL	100
127) 2-Naphthylamine	143	7.745	7.743	1.044	3136326	99.26	ng/uL	98
128) 5-Nitro-o-toluidine	152	7.919	7.914	1.068	935597	105.15	ng/uL	97
129) Tributylphosphate	99	7.985	7.983	1.076	3045165	98.56	ng/uL	96
131) 1,3,5-Trinitrobenzene	74	8.225	8.223	0.942	233031	107.94	ng/uL	94
132) Phenacetin	108	8.281	8.272	0.948	1337046	103.84	ng/uL	98
133) Diallate	86	8.260	8.258	0.946	749661	100.40	ng/uL	96
134) Cis Diallate	86	8.260	8.258	0.946	749661	85.34	ng/uL	96
135) Trans Diallate	86	8.340	8.341	0.955	254030	14.56	ng/uL	98
136) Atrazine	200	8.473	8.467	0.970	941119	94.63	ng/uL	99
137) 4-Aminobiphenyl	169	8.563	8.561	0.980	3683487	92.66	ng/uL	99
138) Pentachloronitrobenzene	237	8.577	8.575	0.982	340224	97.76	ng/uL	96
139) Pronamide	173	8.605	8.603	0.985	1483567	95.63	ng/uL	98
140) 4-Nitroquinoline-1-oxide	160	9.416	9.412	1.078	196638	93.98	ng/uL#	62
141) Methapyrilene	58	9.471	9.468	1.084	1118269	91.17	ng/uL	98
142) Isodrin	193	9.649	9.649	1.105	574738	93.72	ng/uL	99
144) Aramite	185	10.130	10.129	0.900	641662	104.37	ng/uL	99
145) Kepone	272	10.646	10.641	0.945	556115	96.13	ng/uL	98
146) p-(Dimethylamino)azobe...	120	10.224	10.220	0.908	1198714	102.26	ng/uL	96
147) Chlorobenzilate	251	10.262	10.258	0.911	1753415	103.38	ng/uL	96
148) 2-Acetylaminofluorene	181	10.848	10.836	0.963	2217423	102.16	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	12.908	12.901	0.947	2787890	103.44	ng/uL	99
151) 3-Methylcholanthrene	269	14.248	14.232	1.045	718728	103.85	ng/uL	98
153) Sulfolane	56	5.794	5.784	1.016	244844	99.07	ng/uL	99
155) Prometon	210	8.413	8.407	0.963	902322	99.44	ng/uL	98
156) Benzidine	184	9.882	9.875	1.131	3046054	92.47	ng/uL	100
158) 3,3'-Dimethylbenzidine	212	10.562	10.557	0.938	3668346	98.47	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	11.200	11.194	0.995	2448033	100.75	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2718.D
Acq On : 27 Jun 2025 23:26
Operator : NM1
InstName : MSDB
Sample : |WBN250513-58|ICAL|1|SVM|1|APX-7
Misc : MIX[B,J]
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 03 09:51:58 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2719.D
Acq On : 27 Jun 2025 23:47
Operator : NM1
InstName : MSDB
Sample : |WBN250513-59|ICAL|1|SVM|1|APX-8
Misc : MIX[B,J]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 03 09:52:02 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.323	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.734	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.635	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.323	4.322	1.000	378609	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	1374541	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	772434	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.734	8.732	1.000	1557402	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	1915318	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.635	13.631	1.000	2085924	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.699	5.697	1.000	1374541	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.734	8.732	1.000	1557402	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	1915318	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.734	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.635	13.649	1.000	0m	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	4.869	4.908	0.854	0d	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.833	6.782	0.921	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue	
97) 1,4-Dioxane	88	2.030	2.026	0.470	466293	116.58	ng/uL	100	
98) Methyl methacrylate	69	2.023	2.023	0.468	522264	117.27	ng/uL	98	
99) Ethyl methacrylate	69	2.450	2.450	0.567	819759	118.94	ng/uL	100	
100) 2-Picoline	93	2.686	2.686	0.621	1346528	119.12	ng/uL	99	
101) N-Nitrosomethylethylamine	88	2.742	2.738	0.634	493531	122.26	ng/uL	99	A
102) Methyl methanesulfonate	80	2.961	2.957	0.685	446560	116.87	ng/uL	99	
103) N-Nitrosodiethylamine	102	3.298	3.294	0.763	536744	125.45	ng/uL	97	A
104) 2-Butoxyethanol	57	3.350	3.346	0.775	903748	120.19	ng/uL	99	A
105) Ethyl methanesulfonate	79	3.542	3.537	0.819	769288	120.34	ng/uL	99	A
106) Benzaldehyde	77	3.885	3.884	0.899	713781	113.09	ng/uL	100	
107) Pentachloroethane	167	4.042	4.040	0.935	582698	121.50	ng/uL	99	A
108) N-Nitrosopyrrolidine	100	4.715	4.707	1.091	565030	132.38	ng/uL	96	A
109) Acetophenone	105	4.743	4.738	1.097	1737121	121.05	ng/uL	99	A
110) N-Nitrosomorpholine	56	4.757	4.748	1.100	344332	124.17	ng/uL	98	A
111) o-Toluidine	106	4.782	4.776	1.106	1994404	119.45	ng/uL	100	
113) N-Nitrosopiperidine	114	5.098	5.096	0.894	663836	122.63	ng/uL	96	A

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InstName : MSDB
Sample : |WBN250513-59|ICAL|1|SVM|1|APX-8
Misc : MIX[B,J]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 03 09:52:02 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

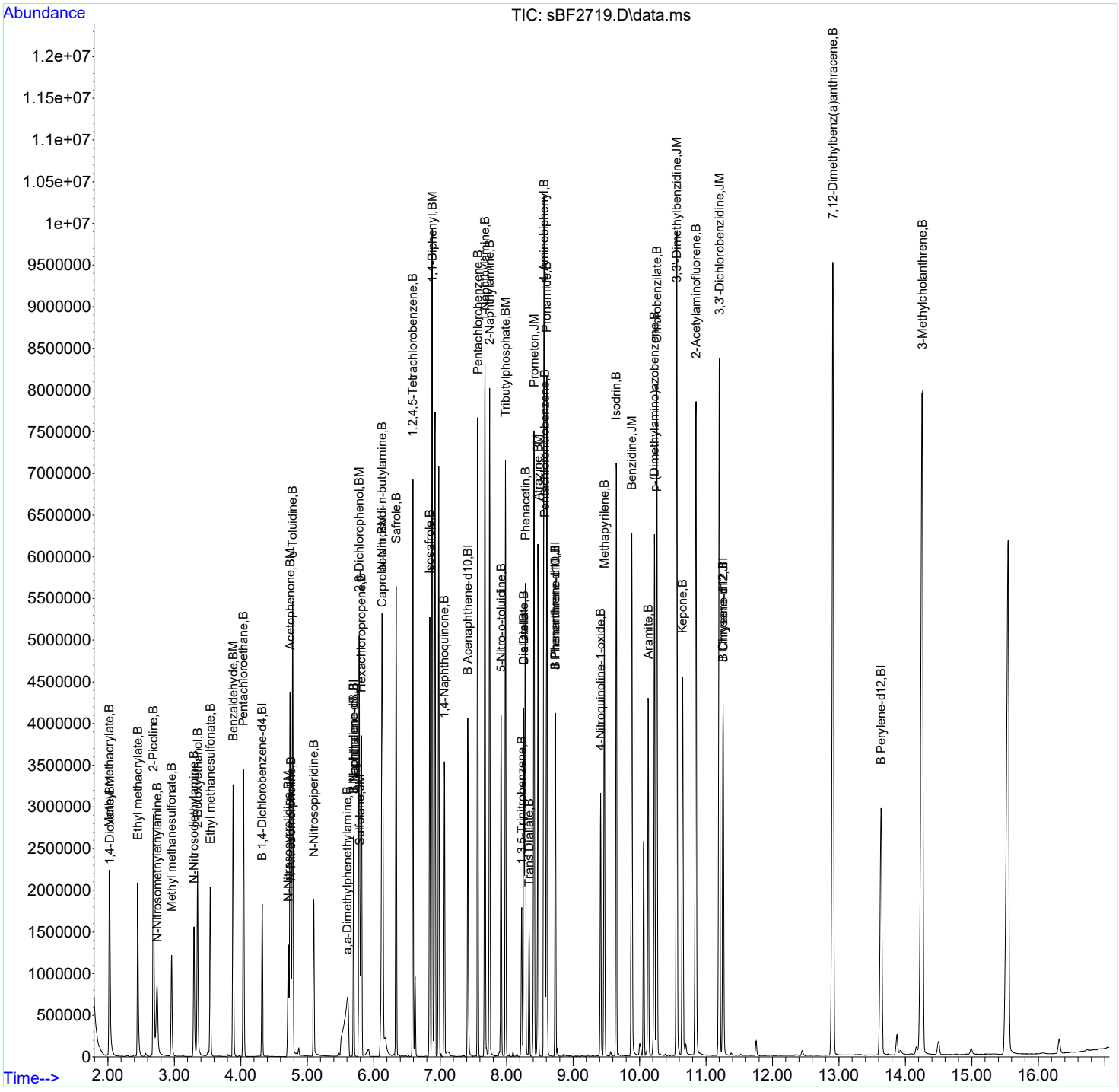
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units		
114) a,a-Dimethylphenethyla...	58	5.606	5.558	0.984	1915309	132.49	ng/uL	99	A
115) 2,6-Dichlorophenol	162	5.783	5.780	1.015	1291824	123.02	ng/uL	99	A
116) Hexachloropropene	213	5.814	5.815	1.020	837224	123.22	ng/uL	98	A
117) Caprolactam	113	6.124	6.103	1.074	361392	129.70	ng/uL	94	A
118) N-Nitrosodi-n-butylamine	116	6.127	6.121	1.075	238593	124.27	ng/uL	99	A
119) Safrole	162	6.340	6.340	1.112	1225969	121.25	ng/uL	99	A
121) 1,2,4,5-Tetrachloroben...	216	6.590	6.590	0.888	1547548	117.87	ng/uL	99	
122) 1,1-Biphenyl	154	6.882	6.878	0.928	3528143	112.93	ng/uL	98	
123) Isosafrole	162	6.844	6.843	0.923	1299815	120.75	ng/uL	100	A
124) 1,4-Naphthoquinone	158	7.063	7.062	0.952	985930	112.70	ng/uL	98	
125) Pentachlorobenzene	250	7.567	7.566	1.020	1533647	121.10	ng/uL	99	A
126) 1-Naphthylamine	143	7.675	7.670	1.035	3066746	121.76	ng/uL	100	A
127) 2-Naphthylamine	143	7.744	7.743	1.044	3150699	120.49	ng/uL	99	A
128) 5-Nitro-o-toluidine	152	7.918	7.914	1.068	984602	133.70	ng/uL	99	A
129) Tributylphosphate	99	7.985	7.983	1.076	3127140	122.30	ng/uL	96	A
131) 1,3,5-Trinitrobenzene	74	8.228	8.223	0.942	237909	135.58	ng/uL	93	A
132) Phenacetin	108	8.284	8.272	0.948	1328578	126.95	ng/uL	97	A
133) Diallate	86	8.259	8.258	0.946	730483	120.36	ng/uL	95	A
134) Cis Diallate	86	8.259	8.258	0.946	730483	102.31	ng/uL	95	A
135) Trans Diallate	86	8.340	8.341	0.955	257629	18.17	ng/uL	97	A
136) Atrazine	200	8.472	8.467	0.970	943470	116.72	ng/uL	99	
137) 4-Aminobiphenyl	169	8.563	8.561	0.980	3866835	119.67	ng/uL	98	
138) Pentachloronitrobenzene	237	8.577	8.575	0.982	352199	124.51	ng/uL	95	A
139) Pronamide	173	8.605	8.603	0.985	1564949	124.11	ng/uL	97	A
140) 4-Nitroquinoline-1-oxide	160	9.415	9.412	1.078	221217	126.06	ng/uL#	58	A
141) Methapyrilene	58	9.471	9.468	1.084	1224102	122.78	ng/uL	97	A
142) Isodrin	193	9.649	9.649	1.105	627484	125.88	ng/uL	99	A
144) Aramite	185	10.133	10.129	0.900	676403	121.99	ng/uL	99	A
145) Kepone	272	10.649	10.641	0.946	646590	123.92	ng/uL	99	A
146) p-(Dimethylamino)azobe...	120	10.224	10.220	0.908	1305364	123.47	ng/uL	96	A
147) Chlorobenzilate	251	10.262	10.258	0.911	1891408	123.65	ng/uL	95	A
148) 2-Acetylaminofluorene	181	10.852	10.836	0.964	2619628	133.81	ng/uL	99	A
150) 7,12-Dimethylbenz(a)an...	256	12.911	12.901	0.947	3525495	126.94	ng/uL	100	A
151) 3-Methylcholanthrene	269	14.255	14.232	1.045	945096	132.52	ng/uL	98	A
153) Sulfolane	56	5.793	5.784	1.016	248065	117.80	ng/uL	99	
155) Prometon	210	8.413	8.407	0.963	933196	126.53	ng/uL	97	A
156) Benzidine	184	9.886	9.875	1.132	3561953	133.03	ng/uL	100	A
158) 3,3'-Dimethylbenzidine	212	10.562	10.557	0.938	4189244	124.68	ng/uL	100	A
159) 3,3'-Dichlorobenzidine	252	11.203	11.194	0.995	2820507	128.70	ng/uL	99	A

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

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Operator : NM1
InstName : MSDB
Sample : |WBN250513-59|ICAL|1|SVM|1|APX-8
Misc : MIX[B,J]
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 03 09:52:02 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSDB.I **Injection Date:** 28-JUN-25 00:08

Data File: s062725_ICAL\sBF2720.D **Init. Cal. Date(s)** 27-JUN-25 17:24 - 28-JUN-25 04:36

Lab Sample ID WBN250626-54 **Method:** s062725_ICAL\MSDB_8270_062725.m

Quant Type ISTD **Method Update:** 03-JUL-25 09:56

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
a,a-Dimethylphenethylamine	0.4207	0.34436		.01		-18.14595	30		Averaged

Quantitation Report
GEL Laboratories, LLC

LL
07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2720.D
Acq On : 28 Jun 2025 00:08
Operator : NM1
InstName : MSDB
Sample : |WBN250626-54|ICV|1|SVM|1|APX-ICV
Misc : MIX[B,J]
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 03 10:02:38 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	390068	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.697	5.697	1.000	1414016	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	790164	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.735	8.730	1.000	1630692	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.257	11.259	1.000	1938782	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.631	13.635	1.000	1963803	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	390068	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.697	5.697	1.000	1414016	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	790164	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.735	8.732	1.000	1630692	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.257	11.257	1.000	1938782	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.631	13.631	1.000	1963803	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.697	5.697	1.000	1414016	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.735	8.732	1.000	1630692	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.257	11.257	1.000	1938782	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.697	5.699	1.000	1414016	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	790164	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.735	8.734	1.000	1630692	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.257	11.262	1.000	1938782	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.697	5.699	1.000	1414016	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.631	13.649	1.000	1963803	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.833	6.782	0.921	1012	0.03	ng/uL	0.05
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	2.030	2.026	0.470	157686	38.26	ng/uL	98
98) Methyl methacrylate	69	2.023	2.023	0.468	188137	41.00	ng/uL	100
99) Ethyl methacrylate	69	2.450	2.450	0.567	257819	36.31	ng/uL	98
100) 2-Picoline	93	2.686	2.686	0.622	377703	32.43	ng/uL	100
101) N-Nitrosomethylethylamine	88	2.738	2.738	0.634	157776	37.94	ng/uL	100
102) Methyl methanesulfonate	80	2.954	2.957	0.683	129981	33.02	ng/uL	98
103) N-Nitrosodiethylamine	102	3.294	3.294	0.762	176975	40.15	ng/uL	99
104) 2-Butoxyethanol	57	3.346	3.346	0.774	296668	38.29	ng/uL	99
105) Ethyl methanesulfonate	79	3.537	3.537	0.818	265432	40.30	ng/uL	97
106) Benzaldehyde	77	3.884	3.884	0.899	261844	40.27	ng/uL	100
107) Pentachloroethane	167	4.041	4.040	0.935	202207	40.92	ng/uL	99
108) N-Nitrosopyrrolidine	100	4.707	4.707	1.089	185838	42.26	ng/uL	99
109) Acetophenone	105	4.738	4.738	1.096	625893	42.33	ng/uL	99
110) N-Nitrosomorpholine	56	4.749	4.748	1.099	119839	41.95	ng/uL	99
111) o-Toluidine	106	4.777	4.776	1.105	699490	40.66	ng/uL	100
113) N-Nitrosopiperidine	114	5.096	5.096	0.895	227279	40.81	ng/uL	98

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Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2720.D
Acq On : 28 Jun 2025 00:08
Operator : NM1
InstName : MSDB
Sample : |WBN250626-54|ICV|1|SVM|1|APX-ICV
Misc : MIX[B,J]
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 03 10:02:38 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

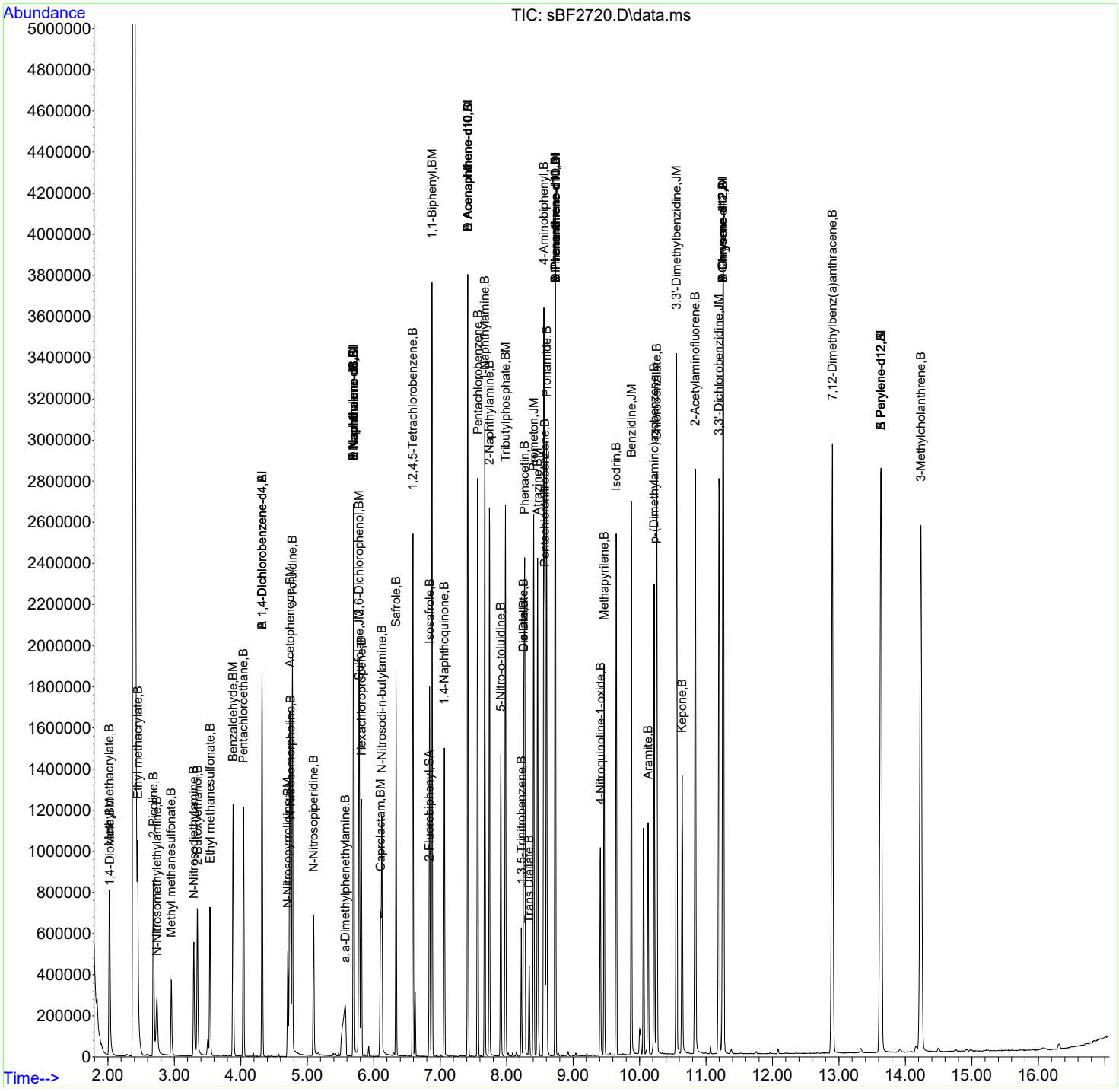
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.572	5.558	0.978	486924	32.74	ng/uL	100
115) 2,6-Dichlorophenol	162	5.781	5.780	1.015	443575	41.06	ng/uL	100
116) Hexachloropropene	213	5.816	5.815	1.021	261515	37.41	ng/uL	100
117) Caprolactam	113	6.104	6.103	1.071	118804	41.45	ng/uL	98
118) N-Nitrosodi-n-butylamine	116	6.121	6.121	1.074	82721	41.88	ng/uL	99
119) Safrole	162	6.337	6.340	1.112	402153	38.66	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	6.590	6.590	0.889	548418	40.84	ng/uL	99
122) 1,1-Biphenyl	154	6.879	6.878	0.927	1312910	41.08	ng/uL	99
123) Isosafrole	162	6.840	6.843	0.922	440350	39.99	ng/uL	100
124) 1,4-Naphthoquinone	158	7.063	7.062	0.952	397555	44.42	ng/uL	99
125) Pentachlorobenzene	250	7.566	7.566	1.020	559623	43.20	ng/uL	99
126) 1-Naphthylamine	143	7.670	7.670	1.034	1060601	41.16	ng/uL	99
127) 2-Naphthylamine	143	7.740	7.743	1.044	1078431	40.32	ng/uL	100
128) 5-Nitro-o-toluidine	152	7.914	7.914	1.067	331202	43.97	ng/uL	100
129) Tributylphosphate	99	7.983	7.983	1.076	1203178	46.00	ng/uL	99
131) 1,3,5-Trinitrobenzene	74	8.223	8.223	0.941	75261	40.96	ng/uL	97
132) Phenacetin	108	8.272	8.272	0.947	473157	43.18	ng/uL	99
133) Diallate	86	8.258	8.258	0.945	282791	44.50	ng/uL	99
134) Cis Diallate	86	8.258	8.258	0.945	282791	37.83	ng/uL	99
135) Trans Diallate	86	8.341	8.341	0.955	74915	5.05	ng/uL	98
136) Atrazine	200	8.467	8.467	0.969	340238	40.20	ng/uL	99
137) 4-Aminobiphenyl	169	8.561	8.561	0.980	1345078	39.76	ng/uL	99
138) Pentachloronitrobenzene	237	8.575	8.575	0.982	125689	42.44	ng/uL	94
139) Pronamide	173	8.603	8.603	0.985	568134	43.03	ng/uL	98
140) 4-Nitroquinoline-1-oxide	160	9.412	9.412	1.078	59829	40.52	ng/uL	87
141) Methapyrilene	58	9.468	9.468	1.084	421675	40.39	ng/uL	99
142) Isodrin	193	9.649	9.649	1.105	214426	41.08	ng/uL	98
144) Aramite	185	10.129	10.129	0.900	165162	29.43	ng/uL	100
145) Kepone	272	10.641	10.641	0.945	189469	35.87	ng/uL	99
146) p-(Dimethylamino)azobe...	120	10.220	10.220	0.908	472382	44.14	ng/uL	99
147) Chlorobenzilate	251	10.262	10.258	0.912	654227	42.25	ng/uL	100
148) 2-Acetylaminofluorene	181	10.839	10.836	0.963	842922	42.53	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	12.901	12.901	0.946	1053342	40.29	ng/uL	100
151) 3-Methylcholanthrene	269	14.233	14.232	1.044	274421	40.87	ng/uL	98
153) Sulfolane	56	5.784	5.784	1.015	85673	39.55	ng/uL	99
155) Prometon	210	8.407	8.407	0.963	290293	37.59	ng/uL	99
156) Benzidine	184	9.878	9.875	1.131	1198846	42.76	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	10.557	10.557	0.938	1407133	41.37	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	11.194	11.194	0.994	921486	41.54	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2720.D
Acq On : 28 Jun 2025 00:08
Operator : NM1
InstName : MSDB
Sample : |WBN250626-54|ICV|1|SVM|1|APX-ICV
Misc : MIX[B,J]
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 03 10:02:38 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL
07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2730.D
Acq On : 28 Jun 2025 03:08
Operator : NM1
InstName : MSDB
Sample : |WBN250602-31.1|ICAL|1|SVM|1|H-2
Misc : MIX[E]
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 03 10:03:55 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.416	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.735	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.258	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.644	13.635	1.000	0m	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.416	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.735	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.258	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.644	13.631	1.000	0m	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.735	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.258	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.416	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.735	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.258	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	1369354	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.644	13.649	1.000	1811508	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.837	6.782	0.922	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	

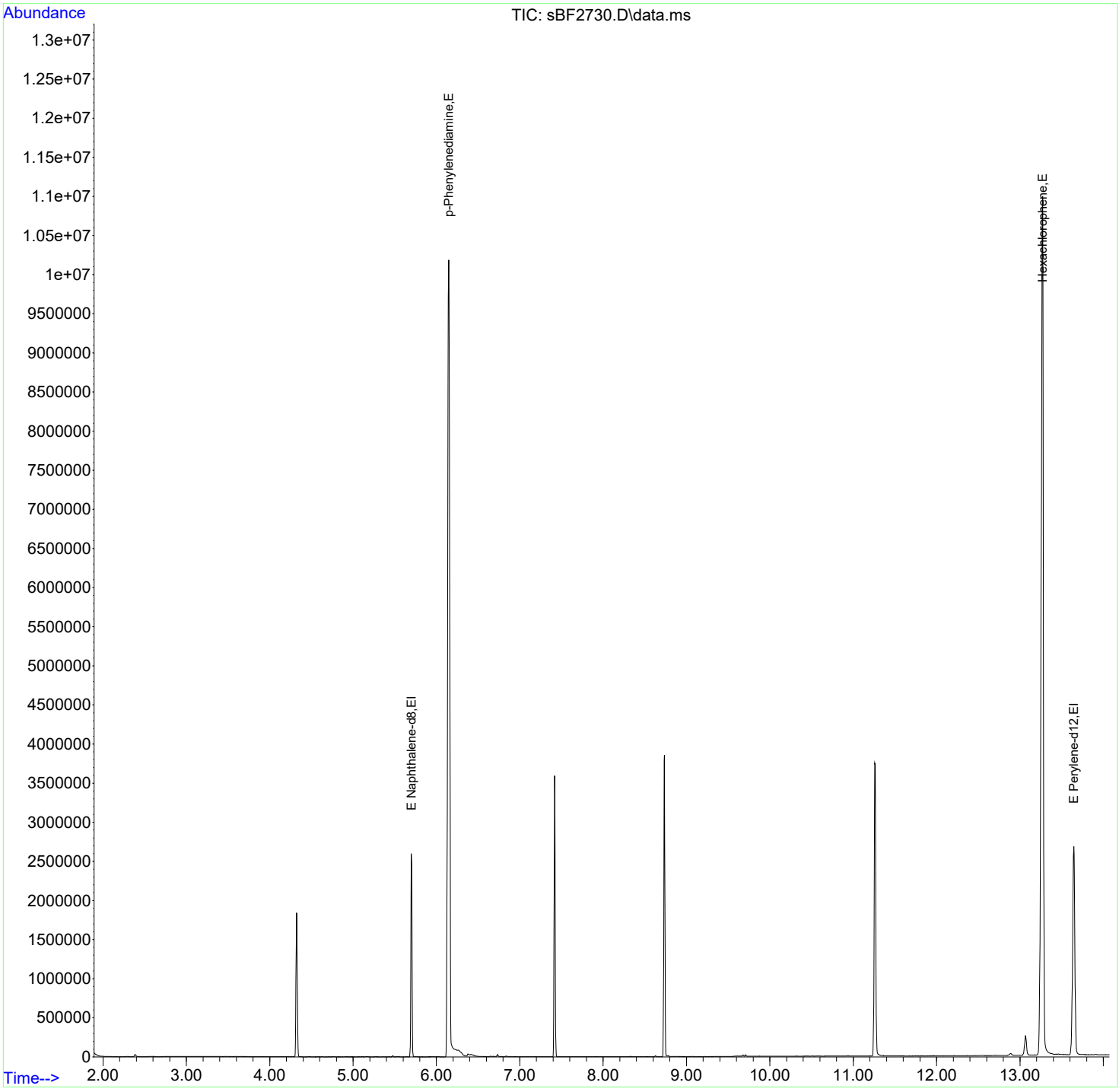
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	6.146	6.146	1.079	7749348	498.51	ng/uL	100
176) Hexachlorophene	196	13.271	13.279	0.973	1833485	488.71	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2730.D
Acq On : 28 Jun 2025 03:08
Operator : NM1
InstName : MSDB
Sample : |WBN250602-31.1|ICAL|1|SVM|1|H-2
Misc : MIX[E]
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 03 10:03:55 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2731.D
Acq On : 28 Jun 2025 03:25
Operator : NM1
InstName : MSDB
Sample : |WBN250602-32|ICAL|1|SVM|1|H-3
Misc : MIX[E]
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 03 09:52:44 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE

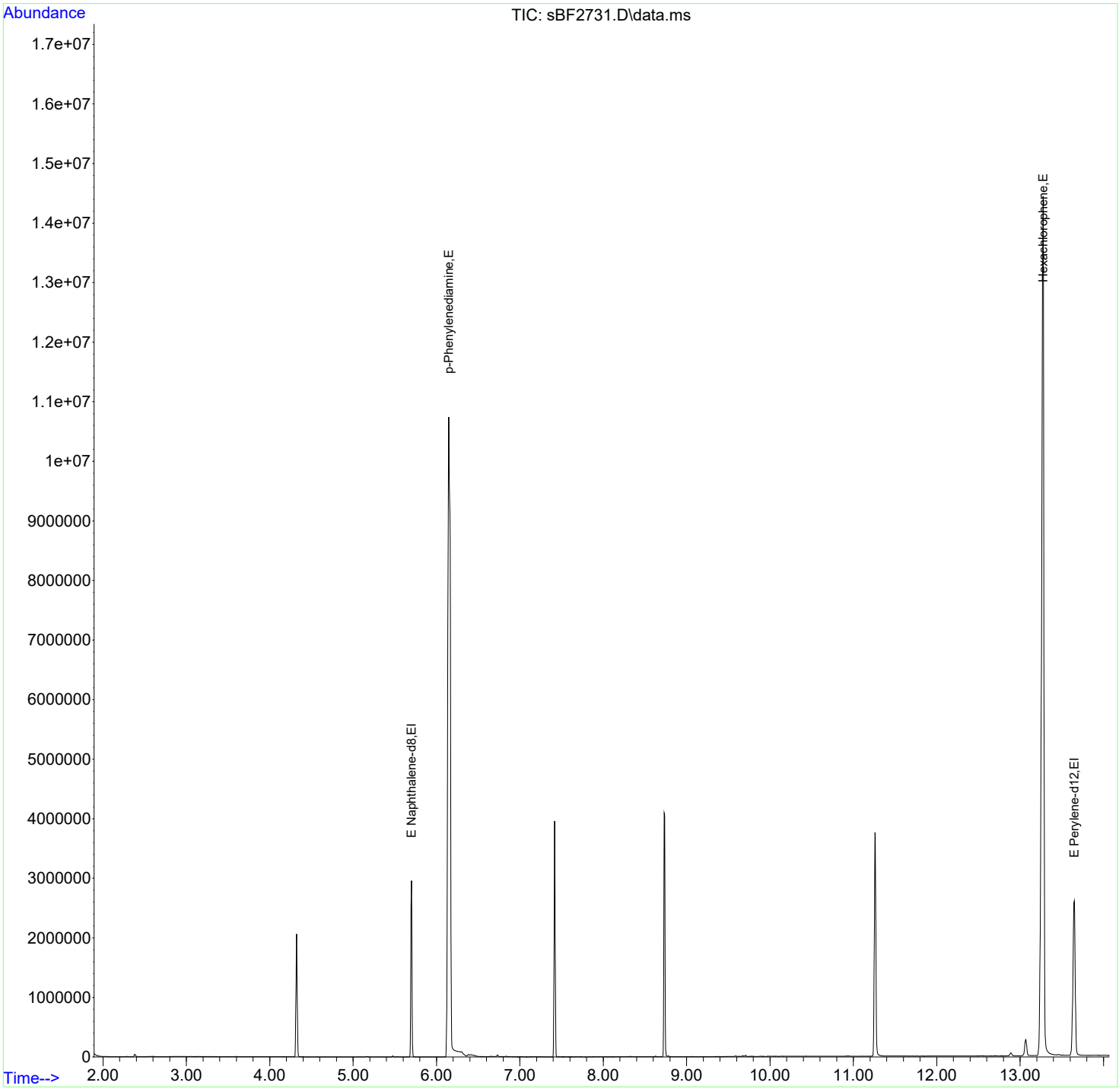
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.732	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.649	13.635	1.000	0m	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.649	13.631	1.000	0m	40.00	ng/uL	0.02
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.732	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	1527502	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.649	13.649	1.000	1801865	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.834	6.782	0.921	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	6.147	6.146	1.079	10278027	592.73	ng/uL	100
176) Hexachlorophene	196	13.276	13.279	0.973	2587823	608.07	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2731.D
Acq On : 28 Jun 2025 03:25
Operator : NM1
InstName : MSDB
Sample : |WBN250602-32|ICAL|1|SVM|1|H-3
Misc : MIX[E]
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 03 09:52:44 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:50:27 2025
Response via : Initial Calibration
Integrator: RTE



LL 07/30/2025

JCB 06/30/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2732.D
Acq On : 28 Jun 2025 03:43
Operator : NM1
InstName : MSDB
Sample : |WBN250602-33|ICAL|1|SVM|1|H-4
Misc : MIX[E]
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 30 09:36:20 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Mon Jun 30 09:30:11 2025
Response via : Initial Calibration
Integrator: RTE

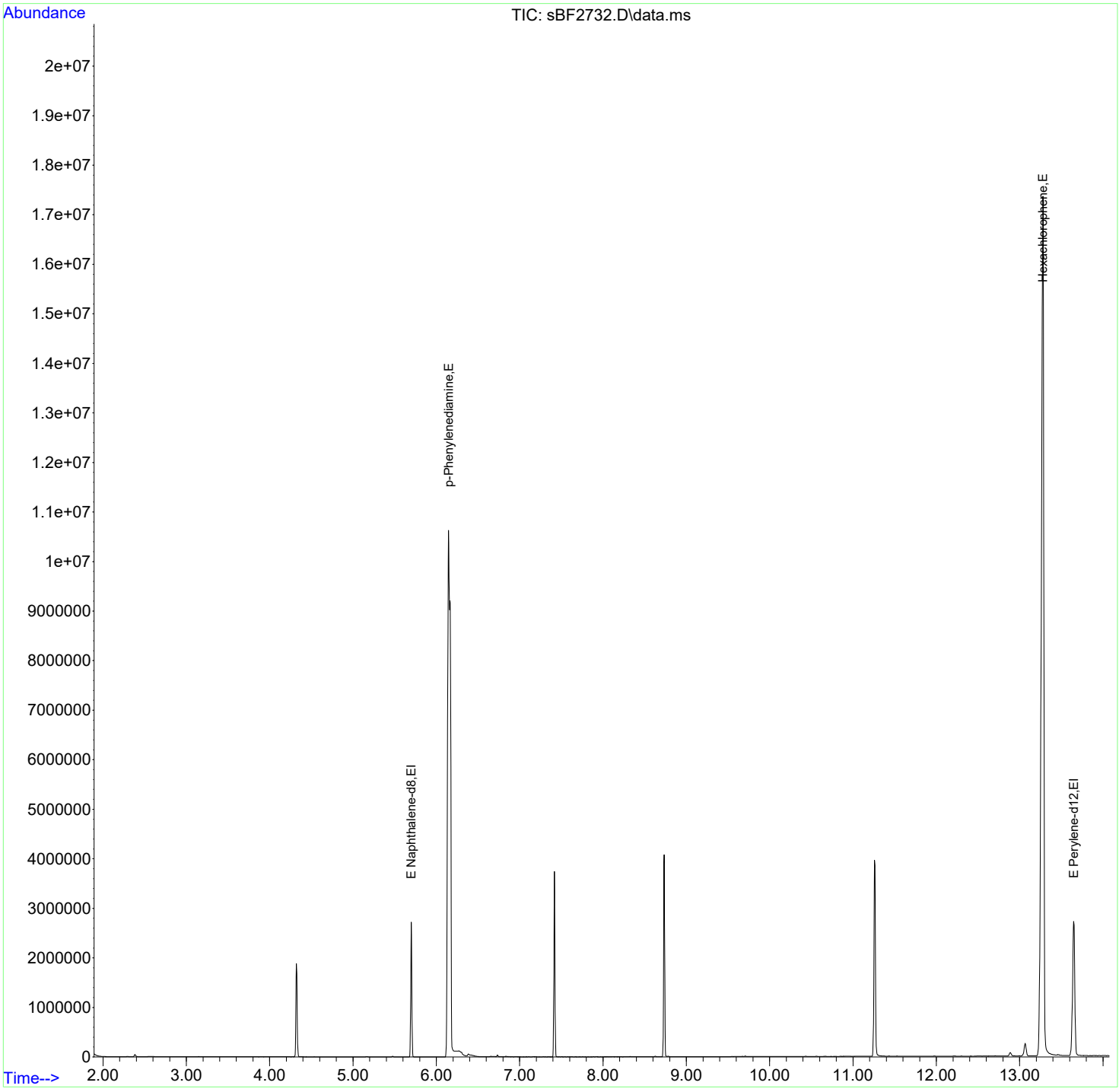
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.735	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.649	13.635	1.000	0m	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.735	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.649	13.631	1.000	0m	40.00	ng/uL	0.02
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.735	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.735	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	1422092	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.649	13.649	1.000	1842827	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.837	6.782	0.922	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	6.146	6.146	1.079	11327459	701.67	ng/uL	100
176) Hexachlorophene	196	13.279	13.279	0.973	3393174	722.09	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2732.D
Acq On : 28 Jun 2025 03:43
Operator : NM1
InstName : MSDB
Sample : |WBN250602-33|ICAL|1|SVM|1|H-4
Misc : MIX[E]
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 30 09:36:20 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Mon Jun 30 09:30:11 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 07/30/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2733.D
Acq On : 28 Jun 2025 04:01
Operator : NM1
InstName : MSDB
Sample : |WBN250602-34|ICAL|1|SVM|1|H-5
Misc : MIX[E]
ALS Vial : 32 Sample Multiplier: 1

JCB 06/30/2025

Quant Time: Jun 30 09:36:24 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Mon Jun 30 09:30:11 2025
Response via : Initial Calibration
Integrator: RTE

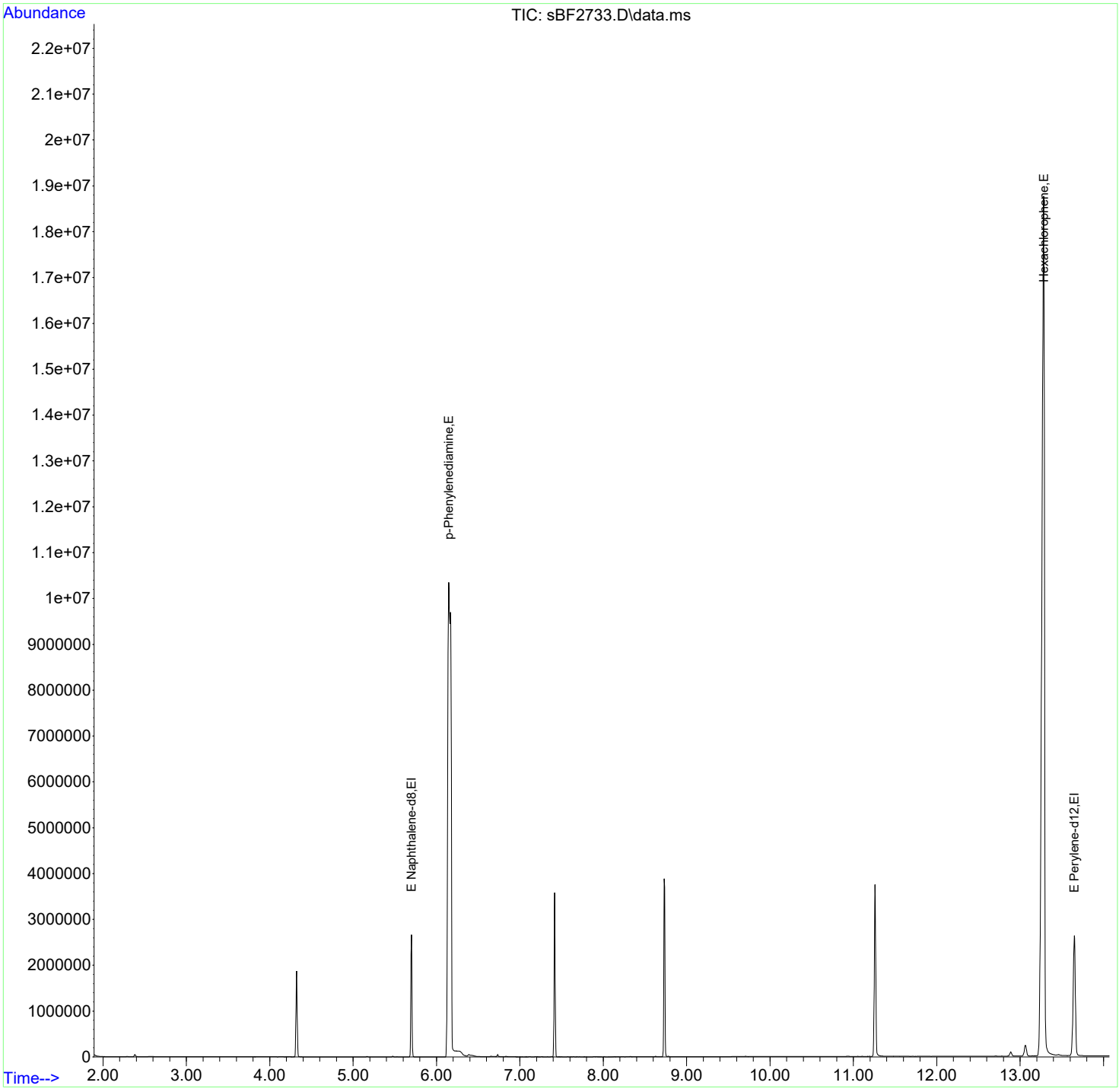
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.732	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.650	13.635	1.000	0m	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.650	13.631	1.000	0m	40.00	ng/uL	0.02
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.732	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	1370628	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.650	13.649	1.000	1792797	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.834	6.782	0.921	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	6.147	6.146	1.079	12600558	809.84	ng/uL	100
176) Hexachlorophene	196	13.283	13.279	0.973	3813605	802.55	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2733.D
Acq On : 28 Jun 2025 04:01
Operator : NM1
InstName : MSDB
Sample : |WBN250602-34|ICAL|1|SVM|1|H-5
Misc : MIX[E]
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 30 09:36:24 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Mon Jun 30 09:30:11 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/30/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2734.D
Acq On : 28 Jun 2025 04:19
Operator : NM1
InstName : MSDB
Sample : |WBN250602-35|ICAL|1|SVM|1|H-6
Misc : MIX[E]
ALS Vial : 33 Sample Multiplier: 1

JCB 06/30/2025

Quant Time: Jun 30 09:36:28 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Mon Jun 30 09:30:11 2025
Response via : Initial Calibration
Integrator: RTE

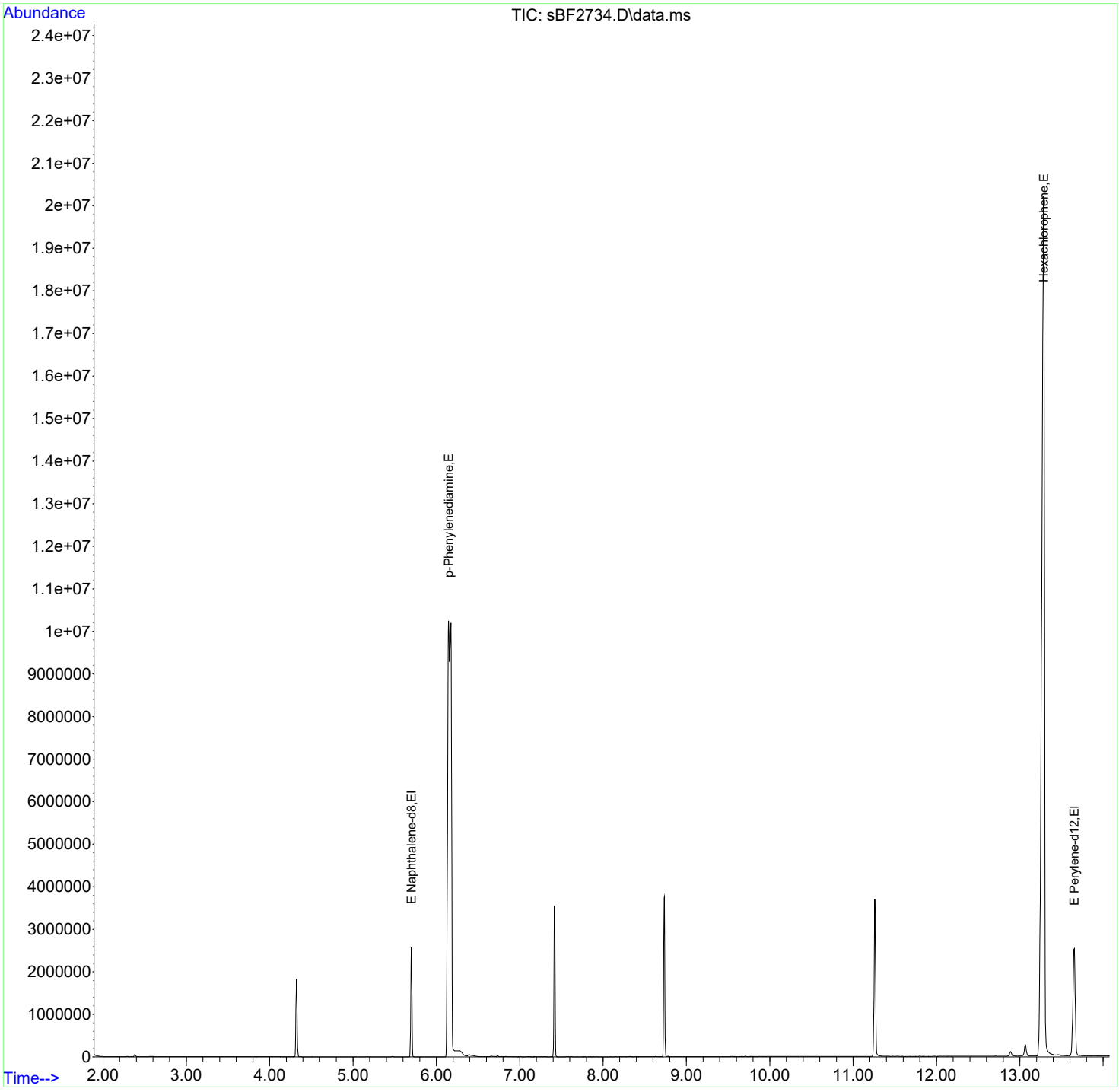
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.732	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.653	13.635	1.000	0m	40.00	ng/uL	0.02
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.653	13.631	1.000	0m	40.00	ng/uL	0.02
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.732	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	1347429	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.653	13.649	1.000	1765439	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.834	6.782	0.921	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	6.147	6.146	1.079	13874391	907.06	ng/uL	100
176) Hexachlorophene	196	13.286	13.279	0.973	4330714	894.27	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2734.D
Acq On : 28 Jun 2025 04:19
Operator : NM1
InstName : MSDB
Sample : |WBN250602-35|ICAL|1|SVM|1|H-6
Misc : MIX[E]
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 30 09:36:28 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Mon Jun 30 09:30:11 2025
Response via : Initial Calibration
Integrator: RTE



Quantitation Report
GEL Laboratories, LLC

LL 06/30/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2735.D
Acq On : 28 Jun 2025 04:36
Operator : NM1
InstName : MSDB
Sample : |WBN250602-37|ICAL|1|SVM|1|H-7
Misc : MIX[E]
ALS Vial : 34 Sample Multiplier: 1

JCB 06/30/2025

Quant Time: Jun 30 09:36:32 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Mon Jun 30 09:30:11 2025
Response via : Initial Calibration
Integrator: RTE

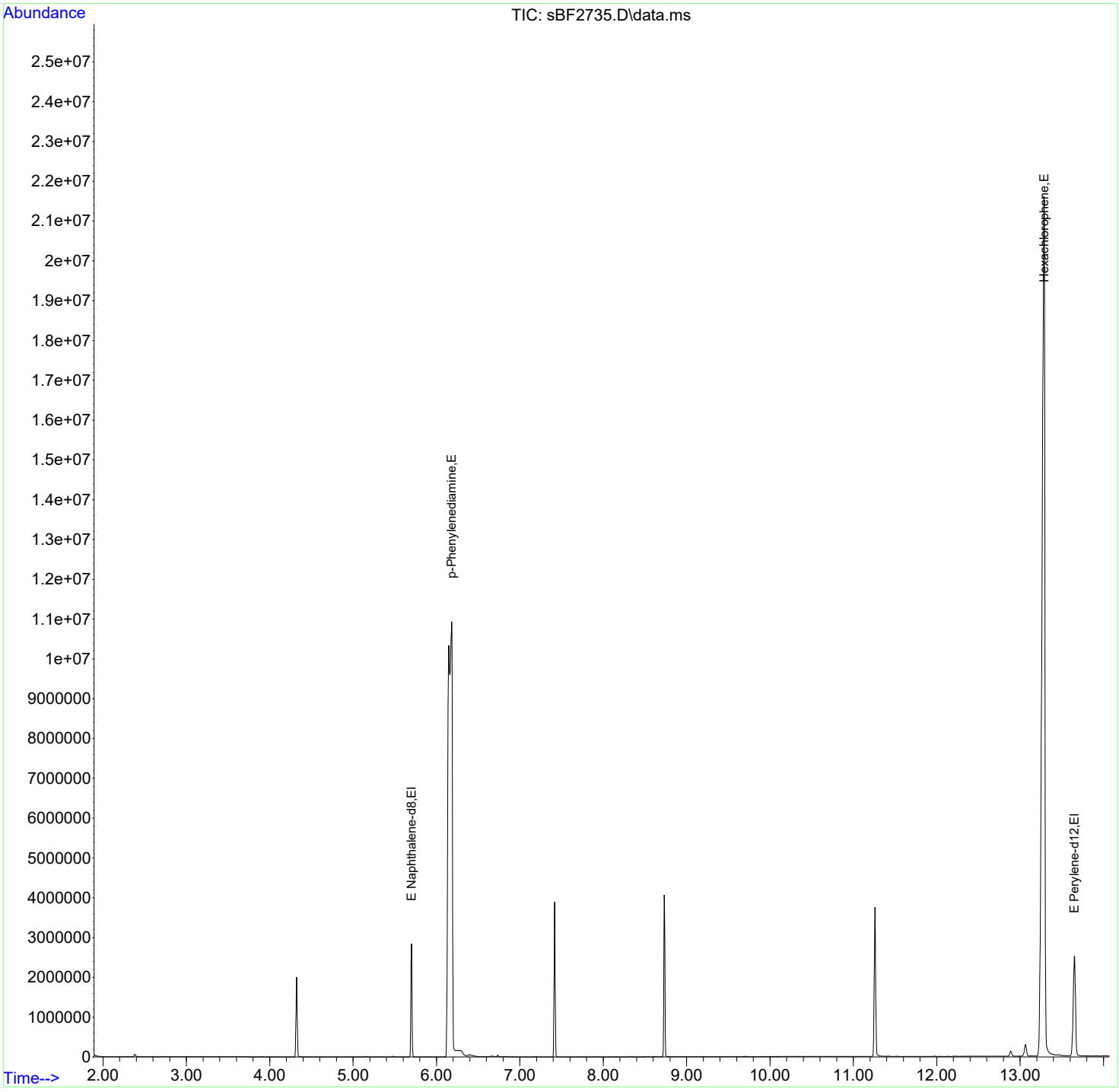
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	0m	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	0m	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.732	8.730	1.000	0m	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.259	11.259	1.000	0m	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.650	13.635	1.000	0m	40.00	ng/uL	0.02
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	0m	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	0m	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.650	13.631	1.000	0m	40.00	ng/uL	0.02
152) J Naphthalene-d8	136	5.699	5.697	1.000	0m	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.732	8.732	1.000	0m	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.259	11.257	1.000	0m	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	0m	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	0m	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.732	8.734	1.000	0m	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.259	11.262	1.000	0m	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	1482744	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.650	13.649	1.000	1724308	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.838	6.782	0.922	0d	0.00	ng/uL	
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	6.181	6.146	1.085	16707098	992.57	ng/uL	100
176) Hexachlorophene	196	13.287	13.279	0.973	4759632	980.75	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2735.D
Acq On : 28 Jun 2025 04:36
Operator : NM1
InstName : MSDB
Sample : |WBN250602-37|ICAL|1|SVM|1|H-7
Misc : MIX[E]
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 30 09:36:32 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Mon Jun 30 09:30:11 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSDB.I **Injection Date:** 28-JUN-25 04:54

Data File: s062725_ICAL\sBF2736.D **Init. Cal. Date(s)** 27-JUN-25 17:24 - 28-JUN-25 04:36

Lab Sample ID WBN250602-38 **Method:** s062725_ICAL\MSDB_8270_062725.m

Quant Type ISTD **Method Update:** 03-JUL-25 09:56

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
Hexachlorophene	600	664.17	600			10.695	30		Linear

LL
07/03/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2736.D
Acq On : 28 Jun 2025 04:54
Operator : NM1
InstName : MSDB
Sample : |WBN250602-38|ICV|1|SVM|1|H-ICV
Misc : MIX[E]
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 03 10:07:24 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

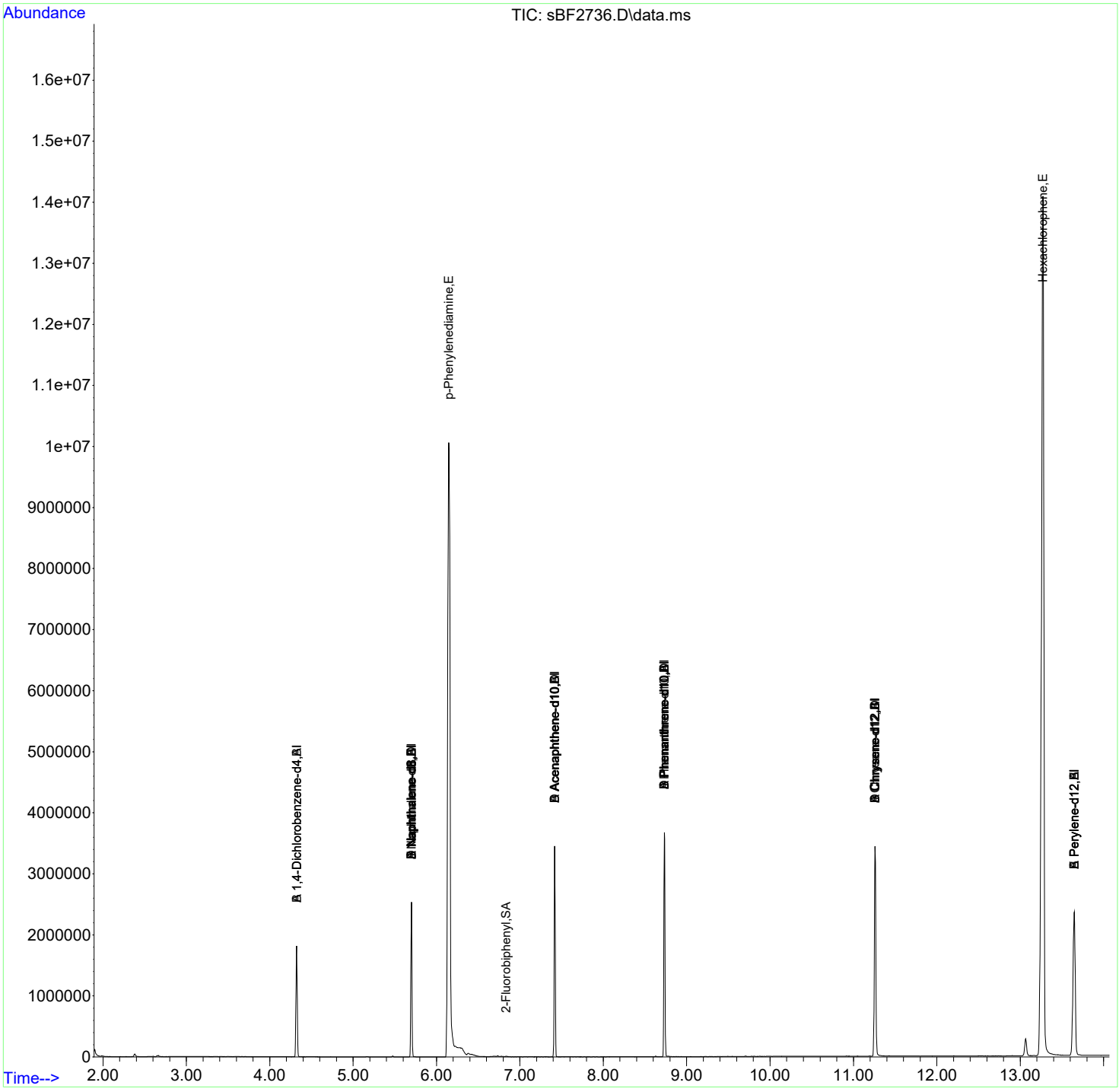
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.322	4.321	1.000	380041	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.699	5.697	1.000	1329299	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.417	7.414	1.000	719561	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.732	8.730	1.000	1443047	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.260	11.259	1.000	1553358	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.649	13.635	1.000	1609190	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.322	4.322	1.000	380041	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.699	5.697	1.000	1329299	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.417	7.417	1.000	719561	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.732	8.732	1.000	1443047	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.260	11.257	1.000	1553358	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.649	13.631	1.000	1609190	40.00	ng/uL	0.02
152) J Naphthalene-d8	136	5.699	5.697	1.000	1329299	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.732	8.732	1.000	1443047	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.260	11.257	1.000	1553358	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.699	5.699	1.000	1329299	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.417	7.419	1.000	719561	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.732	8.734	1.000	1443047	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.260	11.262	1.000	1553358	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.699	5.699	1.000	1329299	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.649	13.649	1.000	1609190	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	3.085	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.894	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.908	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.834	6.782	0.921	821	0.03	ng/uL	0.05
63) 2,4,6-Tribromophenol	330	0.000	8.118	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	10.093	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	6.147	6.146	1.079	9046569	599.50	ng/uL	100
176) Hexachlorophene	196	13.272	13.279	0.972	2631871	664.17	ng/uL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2736.D
Acq On : 28 Jun 2025 04:54
Operator : NM1
InstName : MSDB
Sample : |WBN250602-38|ICV|1|SVM|1|H-ICV
Misc : MIX[E]
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jul 03 10:07:24 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSDB.I **Injection Date:** 04-AUG-25 15:38

Data File: s080425\sBH0402.D **Init. Cal. Date(s)** 27-JUN-25 17:24 - 28-JUN-25 04:36

Lab Sample ID WBN250711-04.2 **Method:** s080425\MSDB_8270_062725.m

Quant Type ISTD **Method Update:** 03-JUL-25 09:56

	Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
S	2-Fluorophenol	1.0953	1.04423		.01		-4.66265	20		Averaged
S	Phenol-d5	1.2655	1.19676		.01		-5.43185	20		Averaged
S	Nitrobenzene-d5	0.2373	0.24002		.01		1.14623	20		Averaged
S	2-Fluorobiphenyl	1.5288	1.51399		.01		-0.96873	20		Averaged
S	2,4,6-Tribromophenol	0.3263	0.34886		.01		6.91388	20		Averaged
S	p-Terphenyl-d14	1.0868	1.12061		.01		3.11097	20		Averaged
	Phenol	1.3043	1.20941		.8		-7.27517	20		Averaged
	1,4-Dichlorobenzene	1.5099	1.44515		.01		-4.28836	20		Averaged
	N-Nitrosodipropylamine	0.5414	0.50897		.5		-5.99003	20		Averaged
	2-Nitrophenol	0.1761	0.17819		.1		1.18683	20		Averaged
	2,4-Dichlorophenol	0.3136	0.31147		.2		-0.67921	20		Averaged
	Hexachlorobutadiene	0.1921	0.1915		.01		-0.31234	20		Averaged
	4-Chloro-3-methylphenol	0.2665	0.25069		.2		-5.93246	20		Averaged
	Hexachlorocyclopentadiene	0.4659	0.46657		.05		0.14381	20		Averaged
	2,4,6-Trichlorophenol	0.4302	0.43969		.2		2.20595	20		Averaged
	Dimethylphthalate	1.4081	1.41713		.01		0.64129	20		Averaged
	Acenaphthene	1.2333	1.18203		.9		-4.15714	20		Averaged
	2,4-Dinitrophenol	40	39.23	40			-1.925	20		Linear
	4-Nitrophenol	40	42.03	40			5.075	20		Linear
	Diphenylamine	0.6423	0.61953		.01		-3.54507	20		Averaged
	Pentachlorophenol	40	38.76	40			-3.1	20		Linear
	Fluoranthene	1.2523	1.27795		.6		2.04823	20		Averaged
	Di-n-octylphthalate	40	41.63	40			4.075	20		Linear
	Benzo(a)pyrene	1.0711	1.06774		.7		-0.3137	20		Averaged

LL
08/06/2025

BAB
08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0402.D
Acq On : 04 Aug 2025 15:38
Operator : LL2
InstName : MSDB
Sample : |WBN250711-04.2|CCV|1|SVM|1|M-4
Misc : MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 08:17:51 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.120	4.120	1.000	390604	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.520	5.520	1.000	1339705	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.257	7.257	1.000	733344	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.569	8.569	1.000	1549508	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.013	11.013	1.000	1915523	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.240	13.240	1.000	2084250	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.120	4.120	1.000	390604	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.520	5.520	1.000	1339705	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.257	7.257	1.000	733344	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.569	8.569	1.000	1549508	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.013	11.013	1.000	1915523	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.240	13.240	1.000	2084250	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.520	5.520	1.000	1339705	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.569	8.569	1.000	1549508	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.013	11.013	1.000	1915523	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.520	5.520	1.000	1339705	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.257	7.257	1.000	733344	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.569	8.569	1.000	1549508	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.013	11.013	1.000	1915523	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.520	5.520	1.000	1339705	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.240	13.240	1.000	2084250	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.864	2.864	0.695	407881	38.13	ng/uL	0.00
8) Phenol-d5	99	3.707	3.707	0.900	467458	37.83	ng/uL	0.00
23) Nitrobenzene-d5	82	4.711	4.711	0.853	321558	40.46	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.625	6.625	0.913	1110279	39.61	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	7.964	7.964	1.097	255834	42.76	ng/uL	0.00
79) p-Terphenyl-d14	244	9.924	9.924	1.158	1736390	41.24	ng/uL	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	1.742	1.742	0.423	157104	37.92	ng/uL	99
3) N-Methyl-N-nitrosometh...	74	1.916	1.916	0.465	208732	38.93	ng/uL	99
4) Pyridine	79	1.958	1.958	0.475	389080	38.64	ng/uL	99
6) p-Benzoquinone	108	3.308	3.308	0.803	191528	36.46	ng/uL	99
7) Aniline	93	3.773	3.773	0.916	601744	38.30	ng/uL	100
9) Phenol	94	3.721	3.721	0.903	472399	37.09	ng/uL	99
10) bis(2-Chloroethyl) ether	93	3.828	3.828	0.929	366477	37.93	ng/uL	99
11) 2-Chlorophenol	128	3.898	3.898	0.946	474893	37.88	ng/uL	100
12) n-Decane	43	3.943	3.943	0.957	254290	38.81	ng/uL	97
13) 1,3-Dichlorobenzene	146	4.061	4.061	0.986	563313	38.54	ng/uL	99
14) 1,4-Dichlorobenzene	146	4.137	4.137	1.004	564482	38.29	ng/uL	100
15) 1,2-Dichlorobenzene	146	4.297	4.297	1.043	540239	38.34	ng/uL	100
16) bis(2-Chloro-1-methyle...	45	4.401	4.401	1.068	335804	37.96	ng/uL	98
17) Benzyl alcohol	108	4.248	4.248	1.031	267925	37.19	ng/uL	99
18) o-Cresol	107	4.363	4.363	1.059	323861	36.89	ng/uL	99
19) m,p-Cresols	108	4.533	4.533	1.100	399744	37.12	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0402.D
Acq On : 04 Aug 2025 15:38
Operator : LL2
InstName : MSDB
Sample : |WBN250711-04.2|CCV|1|SVM|1|M-4
Misc : MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 08:17:51 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
20)	N-Nitrosodipropylamine	70	4.540	4.540	1.102	198805	37.60	ng/uL	99
21)	Hexachloroethane	117	4.669	4.669	1.133	166033	38.51	ng/uL	95
24)	Nitrobenzene	77	4.732	4.732	0.857	308433	39.42	ng/uL	98
25)	Isophorone	82	5.006	5.006	0.907	618922	39.94	ng/uL	100
26)	2-Nitrophenol	139	5.093	5.093	0.923	238718	40.47	ng/uL	98
27)	2,4-Dimethylphenol	122	5.138	5.138	0.931	389490	38.95	ng/uL	99
28)	bis(2-Chloroethoxy)met...	93	5.249	5.249	0.951	444097	38.62	ng/uL	100
29)	2,4-Dichlorophenol	162	5.360	5.360	0.971	417280	39.73	ng/uL	99
30)	Benzoic acid	105	5.218	5.218	0.945	178480	32.02	ng/uL	100
31)	1,2,4-Trichlorobenzene	180	5.457	5.457	0.989	479073	39.99	ng/uL	99
32)	alpha-Terpineol	59	5.555	5.555	1.006	210077	39.91	ng/uL	98
33)	Naphthalene	128	5.544	5.544	1.004	1332648	39.13	ng/uL	100
34)	4-Chloroaniline	127	5.597	5.597	1.014	555152	38.96	ng/uL	100
35)	Hexachlorobutadiene	225	5.680	5.680	1.029	256557	39.87	ng/uL	99
36)	4-Chloro-3-methylphenol	107	6.107	6.107	1.106	335846	37.62	ng/uL	96
37)	2-Methylnaphthalene	142	6.263	6.263	1.135	853987	39.11	ng/uL	100
38)	1-Methylnaphthalene	142	6.361	6.361	1.152	897947	39.54	ng/uL	98
40)	Hexachlorocyclopentadiene	237	6.420	6.420	0.885	342153	40.05	ng/uL	100
41)	2,3-Dichloroaniline	161	6.538	6.538	0.901	511065	39.12	ng/uL	99
42)	2,4,6-Trichlorophenol	196	6.538	6.538	0.901	322442	40.88	ng/uL	99
43)	2,4,5-Trichlorophenol	196	6.576	6.576	0.906	341352	40.15	ng/uL	99
45)	2-Chloronaphthalene	162	6.736	6.736	0.928	919863	39.81	ng/uL	99
46)	o-Nitroaniline	138	6.833	6.833	0.942	285893	39.99	ng/uL	99
47)	1,4-Dinitrobenzene	168	6.962	6.962	0.959	146763	42.56	ng/uL	95
48)	m-Dinitrobenzene	168	7.031	7.031	0.969	163635	41.24	ng/uL	95
49)	m-Nitroaniline	138	7.216	7.216	0.994	259624	40.11	ng/uL	99
50)	Dimethylphthalate	163	7.007	7.007	0.966	1039245	40.26	ng/uL	100
51)	2,6-Dinitrotoluene	165	7.059	7.059	0.973	228032	39.90	ng/uL	98
52)	2,4-Dinitrotoluene	165	7.428	7.428	1.023	328931	41.88	ng/uL	91
53)	Acenaphthylene	152	7.125	7.125	0.982	1497821	39.60	ng/uL	100
54)	Acenaphthene	154	7.285	7.285	1.004	866835	38.34	ng/uL	96
55)	2,4-Dinitrophenol	184	7.310	7.310	1.007	124442	39.23	ng/uL	98
56)	Dibenzofuran	168	7.442	7.442	1.025	1335043	39.20	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	7.553	7.553	1.041	301662	39.91	ng/uL	98
58)	Diethylphthalate	149	7.644	7.644	1.053	979921	40.53	ng/uL	100
59)	4-Nitrophenol	109	7.372	7.372	1.016	75744	42.03	ng/uL	94
60)	Fluorene	166	7.751	7.751	1.068	1096814	40.60	ng/uL	100
61)	4-Chlorophenylphenylether	204	7.748	7.748	1.068	543496	39.87	ng/uL	99
62)	p-Nitroaniline	138	7.765	7.765	1.070	268465	43.06	ng/uL	98
65)	2-Methyl-4,6-dinitroph...	198	7.790	7.790	0.909	190138	41.29	ng/uL	97
66)	Diphenylamine	169	7.853	7.853	0.916	959972	38.58	ng/uL	98
67)	1,2-Diphenylhydrazine	77	7.887	7.887	0.920	629634	37.23	ng/uL	99
68)	4-Bromophenylphenylether	248	8.179	8.179	0.955	367336	38.30	ng/uL	97
69)	Hexachlorobenzene	284	8.231	8.231	0.961	447941	38.15	ng/uL	99
70)	Pentachlorophenol	266	8.402	8.402	0.980	284599	38.76	ng/uL	99
71)	n-Octadecane	57	8.464	8.464	0.988	419209	37.51	ng/uL	99
72)	Dinoseb	211	8.555	8.555	0.998	282292	40.40	ng/uL	96
73)	Phenanthrene	178	8.590	8.590	1.002	1659368	38.58	ng/uL	100
74)	Anthracene	178	8.635	8.635	1.008	1726542	40.06	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0402.D
Acq On : 04 Aug 2025 15:38
Operator : LL2
InstName : MSDB
Sample : |WBN250711-04.2|CCV|1|SVM|1|M-4
Misc : MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 08:17:51 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

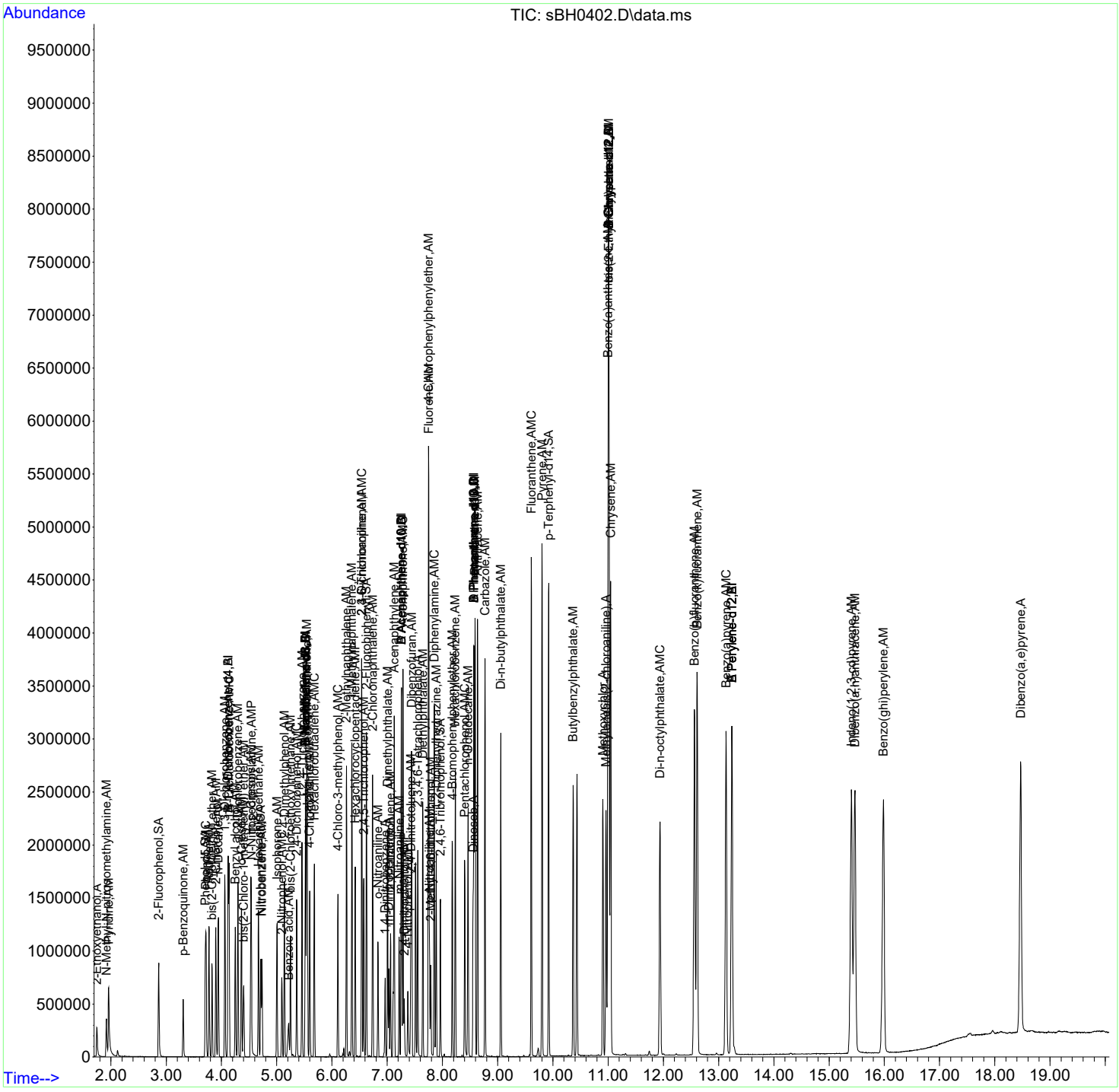
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
75) Carbazole	167	8.771	8.771	1.024	1609022	41.44	ng/uL	100
76) Di-n-butylphthalate	149	9.056	9.056	1.057	1801494	42.11	ng/uL	100
77) Fluoranthene	202	9.608	9.608	1.121	1980190	40.82	ng/uL	99
78) Pyrene	202	9.802	9.802	1.144	2051211	41.23	ng/uL	99
81) Butylbenzylphthalate	149	10.366	10.366	0.941	802855	41.51	ng/uL	98
82) bis(2-Ethylhexyl)phtha...	149	11.010	11.010	1.000	1275947	41.33	ng/uL	98
83) Benzo(a)anthracene	228	10.999	10.999	0.999	2204348	39.54	ng/uL	100
84) Chrysene	228	11.045	11.045	1.003	2040038	39.25	ng/uL	100
85) Methoxychlor	227	10.905	10.905	0.990	1289669	41.38	ng/uL	100
86) Methylenebis(2-chloroa...	231	10.961	10.961	0.995	409458	37.81	ng/uL	100
87) Di-n-octylphthalate	149	11.939	11.939	1.084	2145911	41.63	ng/uL	100
89) Benzo(b)fluoranthene	252	12.561	12.561	0.949	2324189	39.38	ng/uL	99
90) Benzo(k)fluoranthene	252	12.610	12.610	0.952	2373997	39.70	ng/uL	98
91) Benzo(a)pyrene	252	13.136	13.136	0.992	2225442	39.87	ng/uL	99
92) Indeno(1,2,3-cd)pyrene	276	15.404	15.404	1.163	2434389	40.53	ng/uL	98
93) Dibenzo(a,h)anthracene	278	15.467	15.467	1.168	2460593	40.63	ng/uL	98
94) Benzo(ghi)perylene	276	15.983	15.983	1.207	2411803	39.50	ng/uL	98
95) Dibenzo(a,e)pyrene	302	18.467	18.467	1.395	2180061	41.44	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0402.D
Acq On : 04 Aug 2025 15:38
Operator : LL2
InstName : MSDB
Sample : |WBN250711-04.2|CCV|1|SVM|1|M-4
Misc : MIX[A]
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 05 08:17:51 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSDB.I **Injection Date:** 04-AUG-25 16:02

Data File: s080425\sBH0403.D **Init. Cal. Date(s)** 27-JUN-25 17:24 - 28-JUN-25 04:36

Lab Sample ID WBN250613-54.2 **Method:** s080425\MSDB_8270_062725.m

Quant Type ISTD **Method Update:** 03-JUL-25 09:56

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
a,a-Dimethylphenethylamine	0.4207	0.32789		.01		-22.06085	20	*	Averaged

LL
08/06/2025

BAB
08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0403.D
Acq On : 04 Aug 2025 16:02
Operator : LL2
InstName : MSDB
Sample : |WBN250613-54.2|CCV|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 08:21:10 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.118	4.120	1.000	369999	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.518	5.520	1.000	1288014	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.253	7.257	1.000	728544	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.568	8.569	1.000	1478951	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.005	11.013	1.000	1852119	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.228	13.240	1.000	1980721	40.00	ng/uL	-0.01
96) B 1,4-Dichlorobenzene-d4	152	4.118	4.120	1.000	370021	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.518	5.520	1.000	1288014	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.253	7.257	1.000	728544	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.568	8.569	1.000	1478951	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.005	11.013	1.000	1852119	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.228	13.240	1.000	1980721	40.00	ng/uL	-0.01
152) J Naphthalene-d8	136	5.518	5.520	1.000	1288014	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.568	8.569	1.000	1478951	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.005	11.013	1.000	1852119	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.518	5.520	1.000	1288014	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.253	7.257	1.000	728544	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.568	8.569	1.000	1478951	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.005	11.013	1.000	1852119	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.518	5.520	1.000	1288014	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.228	13.240	1.000	1980721	40.00	ng/uL	-0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	2.864	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.707	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.711	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.669	6.625	0.920	864	0.03	ng/uL	0.04
63) 2,4,6-Tribromophenol	330	0.000	7.964	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	9.924	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	1.750	1.760	0.425	163849	41.91	ng/uL	98
98) Methyl methacrylate	69	1.746	1.756	0.424	186730	42.90	ng/uL	99
99) Ethyl methacrylate	69	2.194	2.201	0.533	285176	42.34	ng/uL	98
100) 2-Picoline	93	2.437	2.440	0.592	467711	42.34	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.496	2.499	0.606	167349	42.42	ng/uL	97
102) Methyl methanesulfonate	80	2.726	2.729	0.662	159962	42.84	ng/uL	98
103) N-Nitrosodiethylamine	102	3.069	3.072	0.745	177829	42.53	ng/uL	100
104) 2-Butoxyethanol	57	3.129	3.128	0.760	315195	42.89	ng/uL	99
105) Ethyl methanesulfonate	79	3.327	3.326	0.808	260560	41.70	ng/uL	99
106) Benzaldehyde	77	3.674	3.673	0.892	267059	43.29	ng/uL	99
107) Pentachloroethane	167	3.830	3.830	0.930	202620	43.23	ng/uL	100
108) N-Nitrosopyrrolidine	100	4.510	4.506	1.095	171536	41.12	ng/uL	99
109) Acetophenone	105	4.542	4.538	1.103	576074	41.07	ng/uL	100
110) N-Nitrosomorpholine	56	4.556	4.552	1.106	115377	42.57	ng/uL	96
111) o-Toluidine	106	4.580	4.576	1.112	674779	41.35	ng/uL	100
113) N-Nitrosopiperidine	114	4.897	4.896	0.887	209447	41.29	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0403.D
Acq On : 04 Aug 2025 16:02
Operator : LL2
InstName : MSDB
Sample : |WBN250613-54.2|CCV|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 08:21:10 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

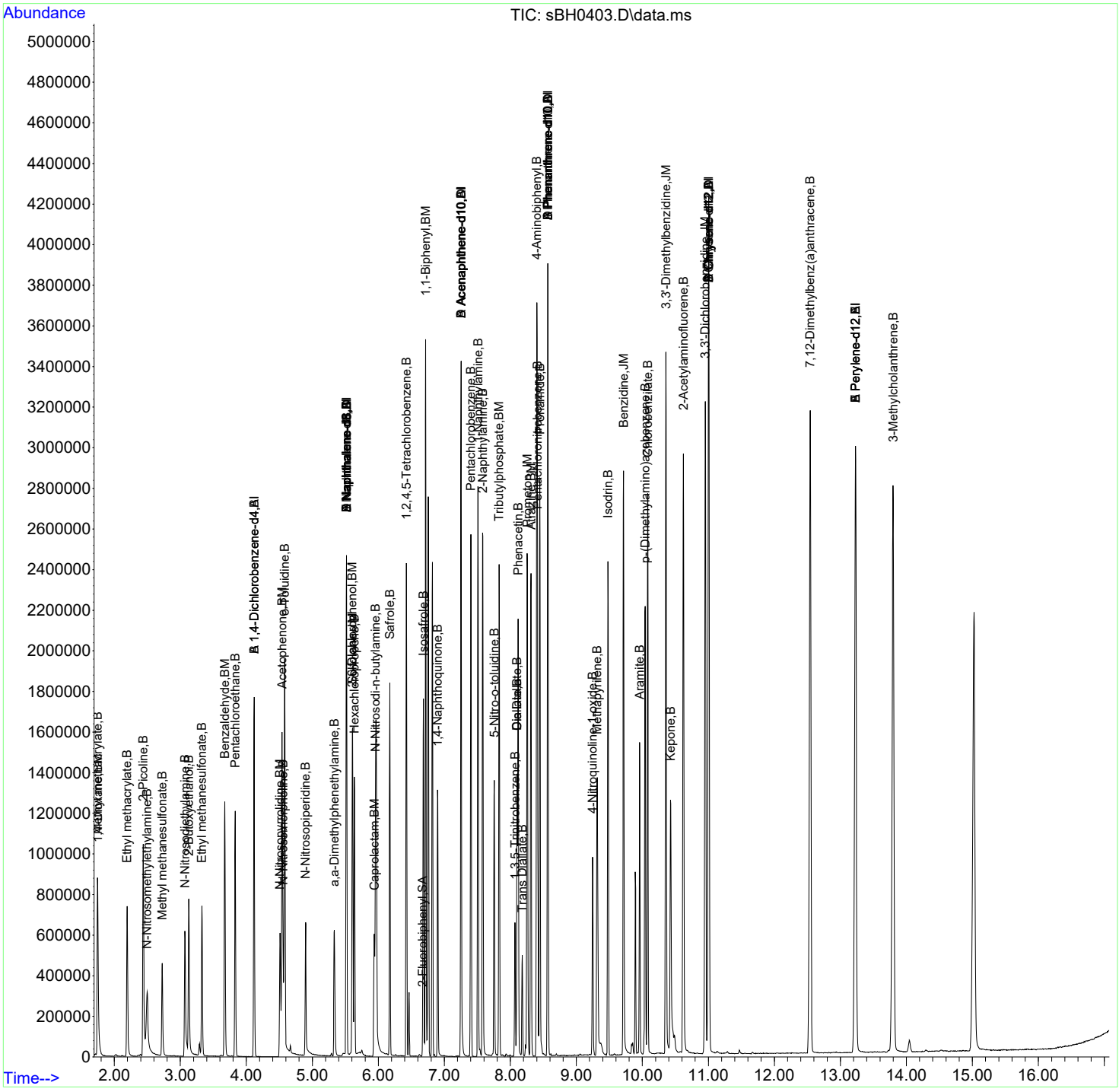
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.334	5.327	0.967	422323	31.18	ng/uL	100
115) 2,6-Dichlorophenol	162	5.605	5.605	1.016	354134	35.99	ng/uL	100
116) Hexachloropropene	213	5.637	5.636	1.021	294171	46.20	ng/uL	100
117) Caprolactam	113	5.939	5.935	1.076	110204	42.21	ng/uL	99
118) N-Nitrosodi-n-butylamine	116	5.956	5.955	1.079	77001	42.80	ng/uL	99
119) Safrole	162	6.176	6.171	1.119	404776	42.72	ng/uL	100
121) 1,2,4,5-Tetrachloroben...	216	6.426	6.425	0.886	526061	42.48	ng/uL	100
122) 1,1-Biphenyl	154	6.718	6.717	0.926	1244371	42.23	ng/uL	99
123) Isosafrole	162	6.683	6.682	0.921	431332	42.48	ng/uL	99
124) 1,4-Naphthoquinone	158	6.899	6.897	0.951	363434	44.05	ng/uL	99
125) Pentachlorobenzene	250	7.402	7.401	1.021	496581	41.57	ng/uL	99
126) 1-Naphthylamine	143	7.510	7.509	1.035	1040484	43.80	ng/uL	97
127) 2-Naphthylamine	143	7.583	7.582	1.046	1064681	43.17	ng/uL	100
128) 5-Nitro-o-toluidine	152	7.757	7.756	1.070	310760	44.74	ng/uL	99
129) Tributylphosphate	99	7.830	7.832	1.080	1080510	44.80	ng/uL	100
131) 1,3,5-Trinitrobenzene	74	8.070	8.068	0.942	77375	46.43	ng/uL	94
132) Phenacetin	108	8.119	8.117	0.948	433965	43.67	ng/uL	98
133) Diallate	86	8.101	8.100	0.945	235997	40.95	ng/uL	95
134) Cis Diallate	86	8.101	8.100	0.945	235997	34.81	ng/uL	95
135) Trans Diallate	86	8.181	8.180	0.955	81874	6.08	ng/uL	89
136) Atrazine	200	8.314	8.312	0.970	344386	44.86	ng/uL	99
137) 4-Aminobiphenyl	169	8.401	8.399	0.980	1374779	44.80	ng/uL	99
138) Pentachloronitrobenzene	237	8.411	8.410	0.982	121469	45.22	ng/uL	100
139) Pronamide	173	8.446	8.448	0.986	526688	43.99	ng/uL	97
140) 4-Nitroquinoline-1-oxide	160	9.246	9.248	1.079	62006	45.08	ng/uL	71
141) Methapyrilene	58	9.315	9.311	1.087	468012	49.43	ng/uL	100
142) Isodrin	193	9.479	9.481	1.106	204384	43.18	ng/uL	100
144) Aramite	185	9.960	9.958	0.905	223696	41.72	ng/uL	99
145) Kepone	272	10.430	10.429	0.948	204794	40.59	ng/uL	100
146) p-(Dimethylamino)azobe...	120	10.043	10.042	0.913	428350	41.90	ng/uL	95
147) Chlorobenzilate	251	10.082	10.081	0.916	634074	42.87	ng/uL	97
148) 2-Acetylaminofluorene	181	10.622	10.624	0.965	859030	45.38	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	12.542	12.546	0.948	1111909	42.16	ng/uL	99
151) 3-Methylcholanthrene	269	13.799	13.802	1.043	297877	43.99	ng/uL	96
153) Sulfolane	56	5.609	5.608	1.016	84431	42.79	ng/uL	98
155) Prometon	210	8.258	8.257	0.964	314435	44.90	ng/uL	100
156) Benzidine	184	9.716	9.718	1.134	1392889	54.78	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	10.357	10.359	0.941	1410839	43.42	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	10.953	10.955	0.995	995310	46.97	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0403.D
Acq On : 04 Aug 2025 16:02
Operator : LL2
InstName : MSDB
Sample : |WBN250613-54.2|CCV|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 08:21:10 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Continuing Calibration Summary

Client SDG: 735995

Instrument ID: MSDB.I **Injection Date:** 04-AUG-25 16:23

Data File: s080425\sBH0404.D **Init. Cal. Date(s)** 27-JUN-25 17:24 - 28-JUN-25 04:36

Lab Sample ID WBN250724-33.3 **Method:** s080425\MSDB_8270_062725.m

Quant Type ISTD **Method Update:** 03-JUL-25 09:56

Compound	AVERF / Amount	RF CCV	Nominal CCV	Min RF	RF Q	%D / %Drift	Max	Drift Q	Curve Type
Hexachlorophene	700	639.27	700			-8.67571	20		Linear

LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0404.D
Acq On : 04 Aug 2025 16:23
Operator : LL2
InstName : MSDB
Sample : |WBN250724-33.3|CCV|1|SVM|1|H-4
Misc : MIX[E]
ALS Vial : 4 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 05 08:22:36 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

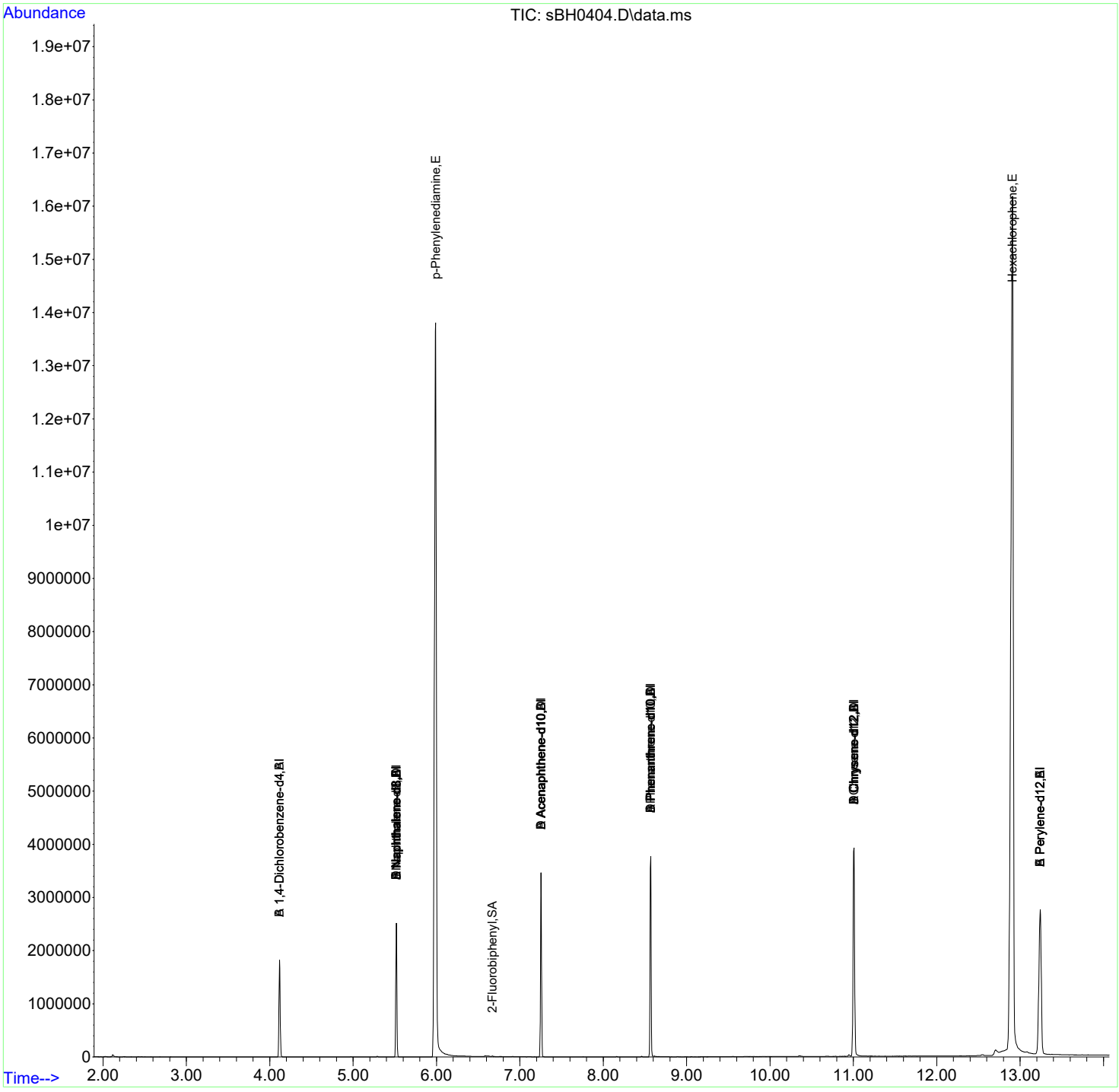
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.117	4.120	1.000	377767	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.518	5.520	1.000	1308161	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.253	7.257	1.000	715339	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.569	8.569	1.000	1456395	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.007	11.013	1.000	1834339	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.240	13.240	1.000	1991888	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.117	4.120	1.000	377767	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.518	5.520	1.000	1308161	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.253	7.257	1.000	715339	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.569	8.569	1.000	1456395	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.007	11.013	1.000	1834339	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.240	13.240	1.000	1991888	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.518	5.520	1.000	1308161	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.569	8.569	1.000	1456395	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.007	11.013	1.000	1834339	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.518	5.520	1.000	1308161	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.253	7.257	1.000	715339	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.569	8.569	1.000	1456395	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.007	11.013	1.000	1834339	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.518	5.520	1.000	1308161	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.240	13.240	1.000	1991888	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	2.864	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.707	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.711	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.670	6.625	0.920	893	0.03	ng/uL	0.05
63) 2,4,6-Tribromophenol	330	0.000	7.964	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	0.000	9.924	0.000	0	0.00	ng/uL	
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
174) p-Phenylenediamine	108	5.990	5.959	1.086	10034842	675.74	ng/uL	99
176) Hexachlorophene	196	12.907	12.889	0.975	3081559	639.27	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0404.D
Acq On : 04 Aug 2025 16:23
Operator : LL2
InstName : MSDB
Sample : |WBN250724-33.3|CCV|1|SVM|1|H-4
Misc : MIX[E]
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 08:22:36 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Quality Control Data

DFTPP Tune Report
GEL Laboratories, LLC

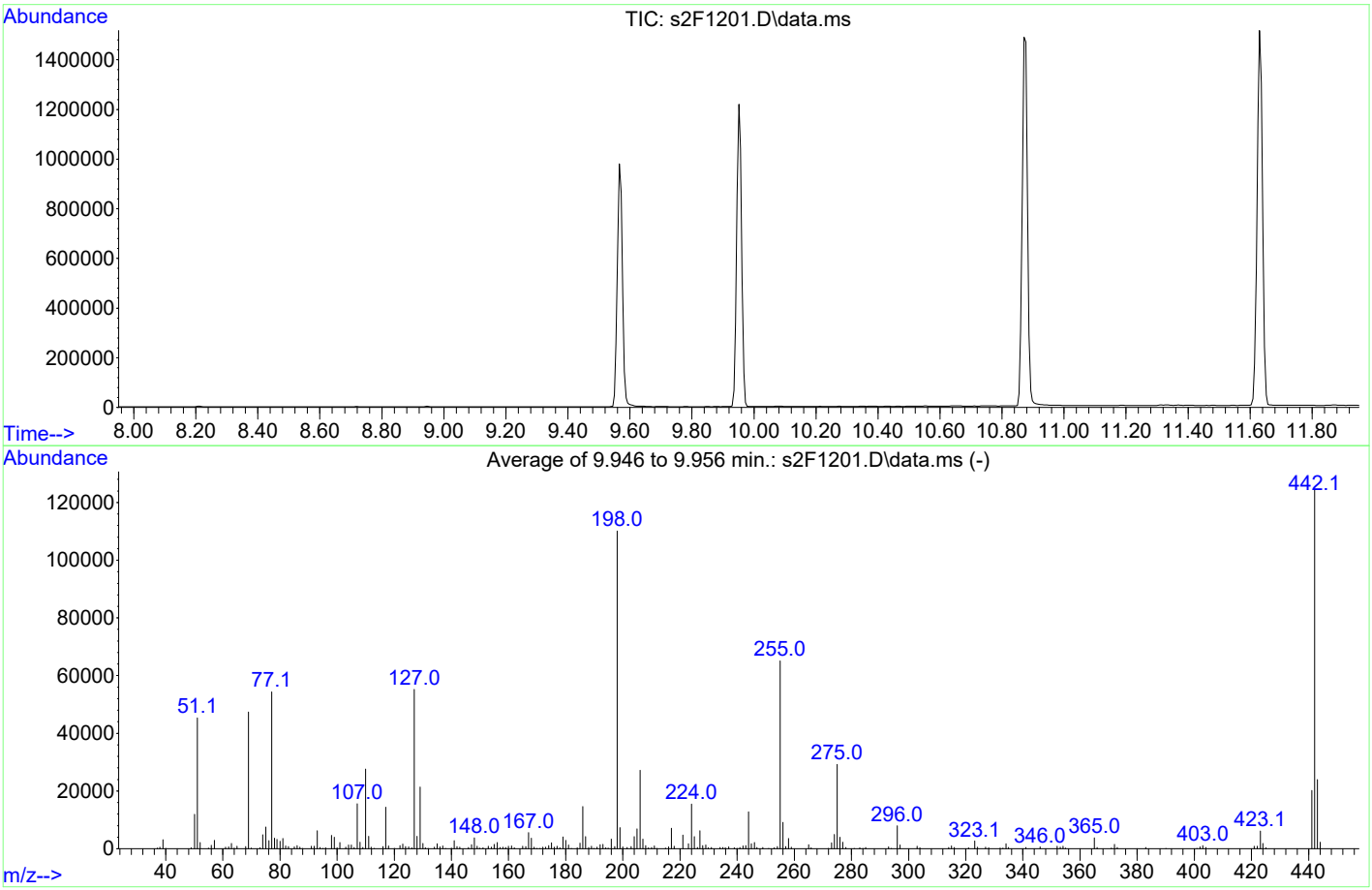
LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1201.D
Acq On : 12 Jun 2025 14:00
Operator : NM1
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

JCB 06/20/2025

Integration File: rteint.p

Method : D:\MSDCHEM\1\data\s061225_ICAL.s\BNABrk_Down8270E.m
Title : dftpp / endrin / ddt SubList :
Last Update : Sat Mar 23 09:42:24 2019



AutoFind: Scans 1487, 1488, 1489; Background Corrected with Scan 1481

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	751	PASS
69	198	0.00	100	43.1	47413	PASS
70	69	0.00	2	0.5	245	PASS
197	198	0.00	2	0.7	720	PASS
198	442	0.01	100	88.5	110128	PASS
199	198	5	9	6.6	7303	PASS
365	198	1	100	3.4	3724	PASS
441	443	0.01	150	84.3	20233	PASS
442	442	0.01	100	100.0	124395	PASS
443	442	15	24	19.3	23994	PASS

This report evaluates the Rel Abn% as passing only if it is greater than the Lower Limit and lower than the Upper Limit.

LL
06/20/2025

JCB
06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1201.D
Acq On : 12 Jun 2025 14:00
Operator : NM1
InstName : MSD2
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 20 14:49:34 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\BNABrk_Down8270E.m
Quant Title : dftpp / endrin / ddt SubList :
QLast Update : Sat Mar 23 09:42:24 2019
Response via : Initial Calibration
Integrator: RTE

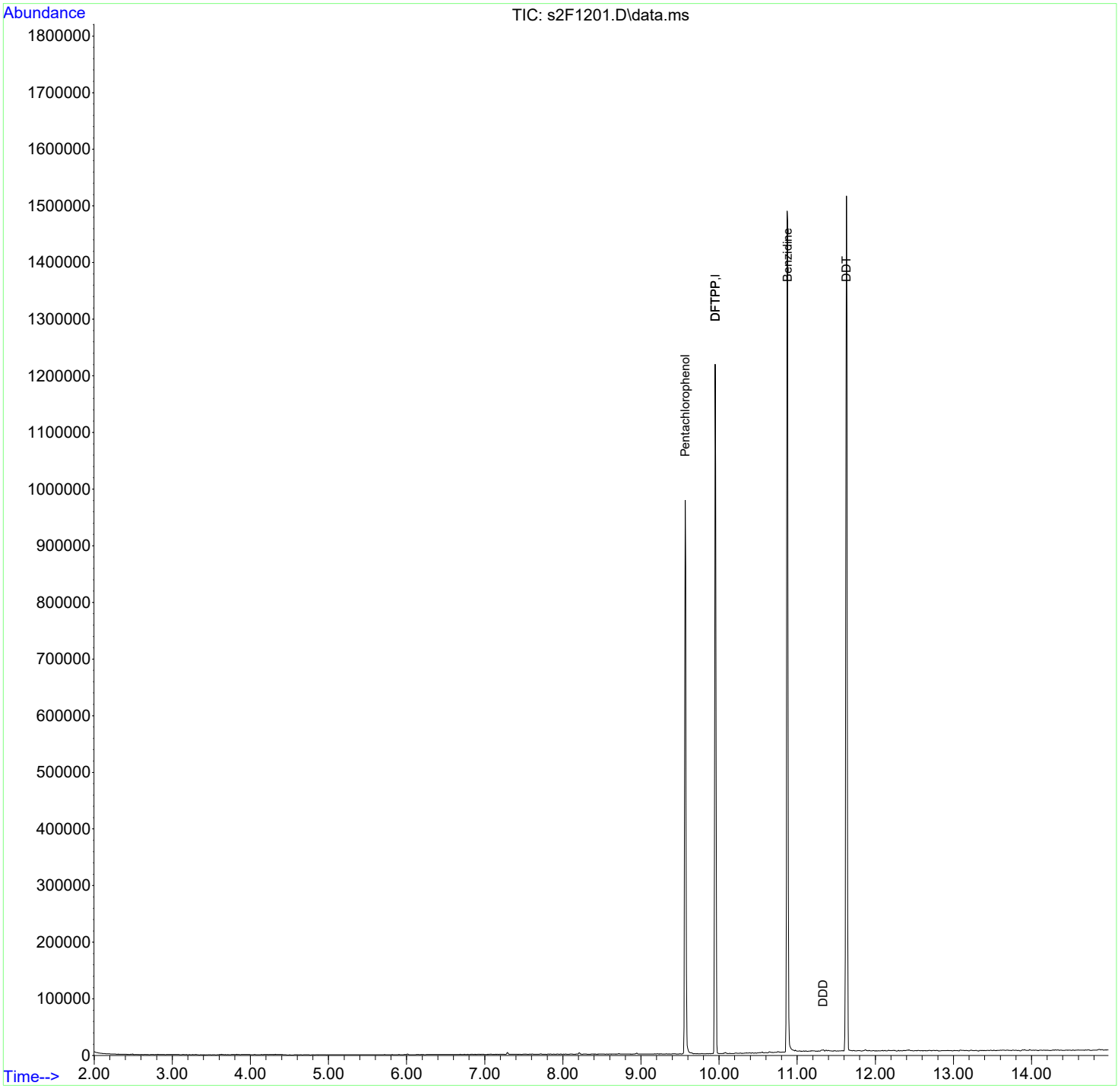
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
Internal Standards								Dev(Min)
1) DFTPP	TIC	9.951	9.951	1.000	1345116	5.00	ug/l	# 0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) DFTPP	TIC	9.951	9.951	1.000	1345116	5.00	ug/ml	# 1
3) Pentachlorophenol	266	9.566	9.571	0.961	141934	5.74	ug/l	97
4) Benzidine	184	10.876	10.872	1.093	731821	10.24	ug/l	100
6) DDD	235	11.331	11.326	1.139	823	2.57	ug/l	58
7) DDT	235	11.631	11.623	1.169	360194	7.11	ug/l	98

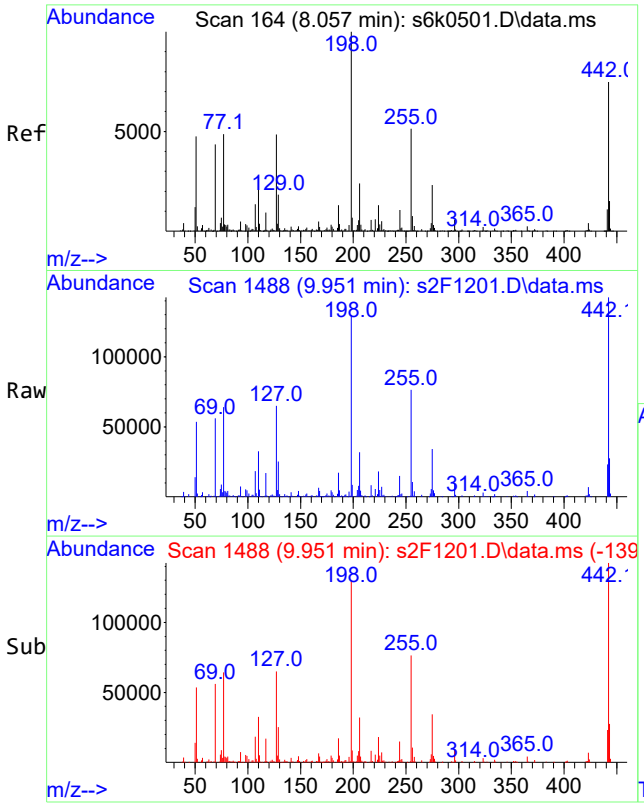
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1201.D
Acq On : 12 Jun 2025 14:00
Operator : NM1
InstName : MSD2
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 20 14:49:34 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\BNABrk_Down8270E.m
Quant Title : dftpp / endrin / ddt SubList :
QLast Update : Sat Mar 23 09:42:24 2019
Response via : Initial Calibration
Integrator: RTE

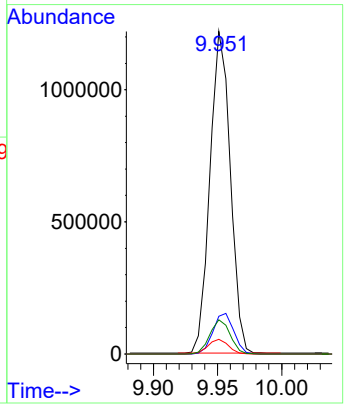


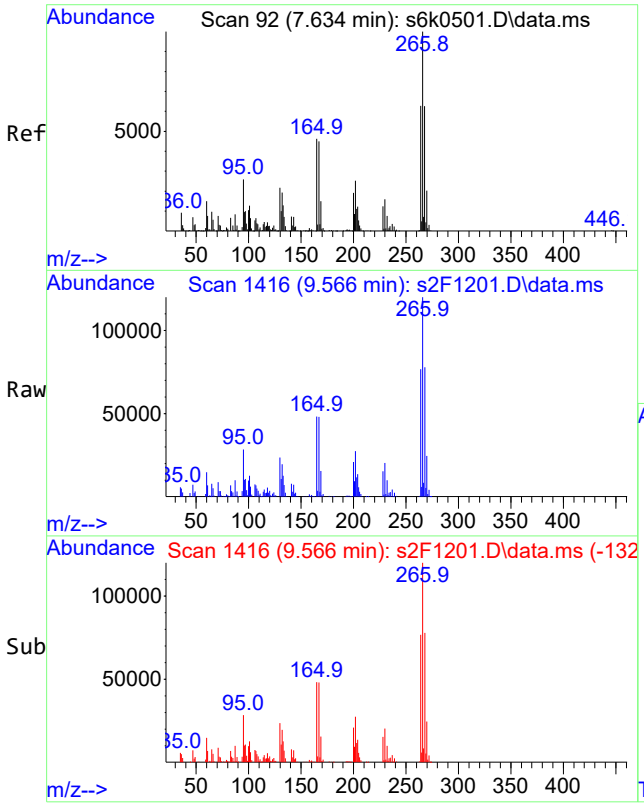


#2
DFTPP
Concen: 5.00 ug/ml
RT: 9.951 min Scan# 1488
Delta R.T. 0.000 min
Lab File: s2F1201.D
Acq: 12 Jun 2025 14:00

Tgt Ion:TIC Resp: 1345116

Ion	Ratio	Lower	Upper
TIC	100		
442	12.9	1114.5	1154.5#
69	4.5	602.4	642.4#
198	10.6	885.3	925.3#

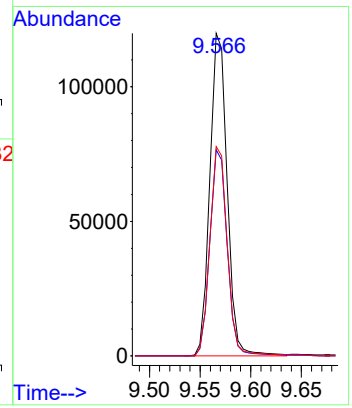


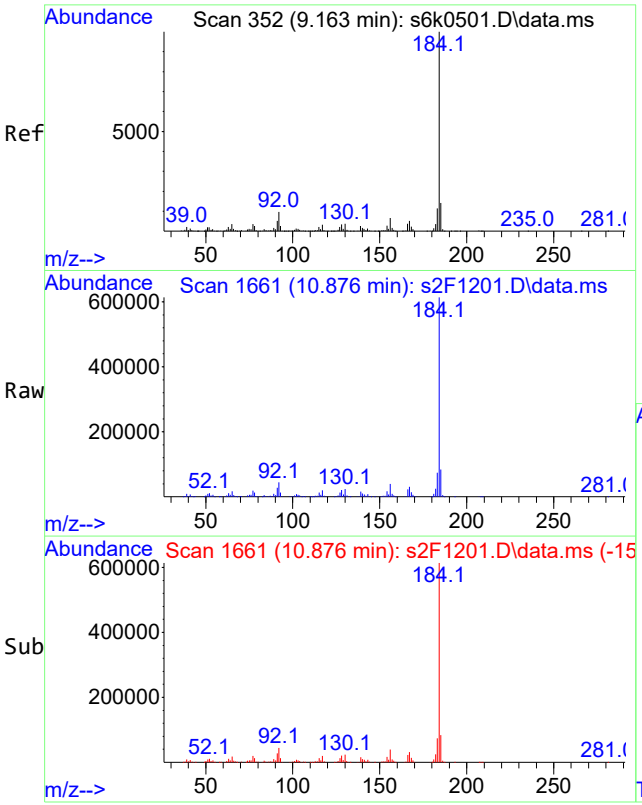


#3
Pentachlorophenol
Concen: 5.74 ug/l
RT: 9.566 min Scan# 1416
Delta R.T. -0.005 min
Lab File: s2F1201.D
Acq: 12 Jun 2025 14:00

Tgt Ion:266 Resp: 141934

Ion	Ratio	Lower	Upper
266	100		
264	64.1	0.0	162.6
268	65.3	0.0	162.5

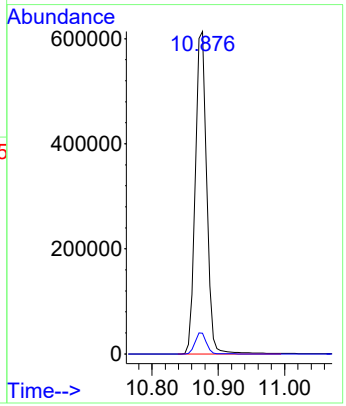


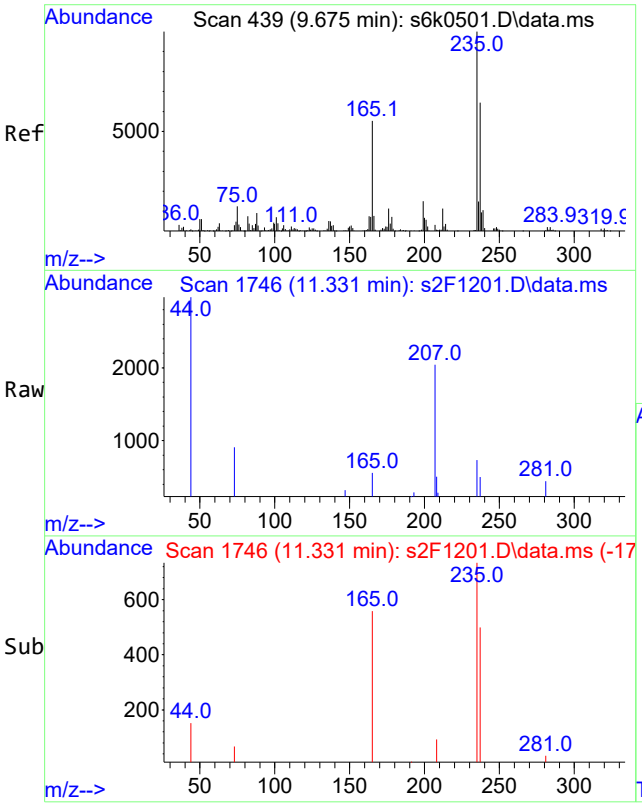


#4
Benzidine
Concen: 10.24 ug/l
RT: 10.876 min Scan# 1661
Delta R.T. 0.004 min
Lab File: s2F1201.D
Acq: 12 Jun 2025 14:00

Tgt Ion:184 Resp: 731821

Ion	Ratio	Lower	Upper
184	100		
156	6.5	0.0	106.7

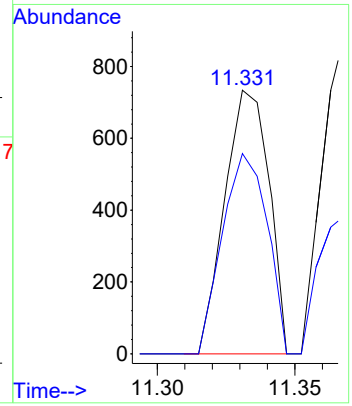


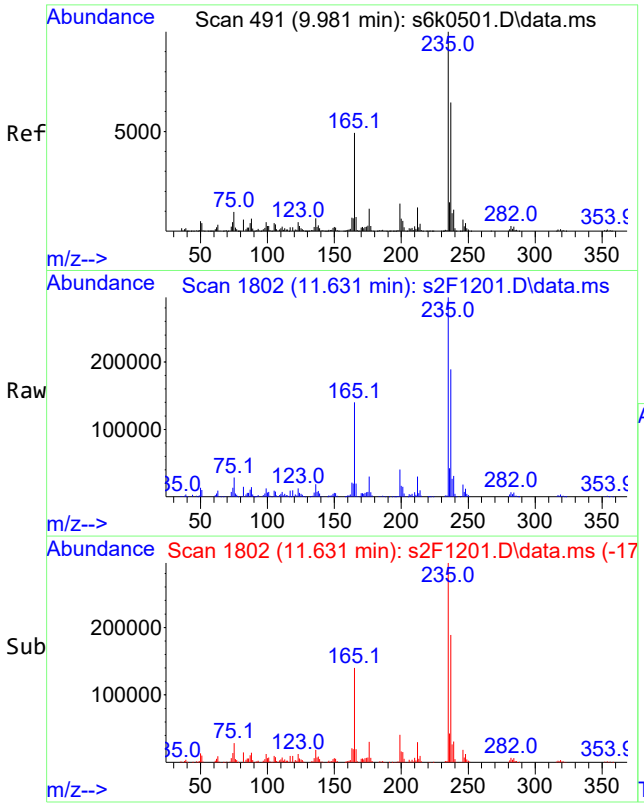


#6
DDD
Concen: 2.57 ug/l
RT: 11.331 min Scan# 1746
Delta R.T. 0.005 min
Lab File: s2F1201.D
Acq: 12 Jun 2025 14:00

Tgt Ion:235 Resp: 823

Ion	Ratio	Lower	Upper
235	100		
165	77.0	0.0	148.4

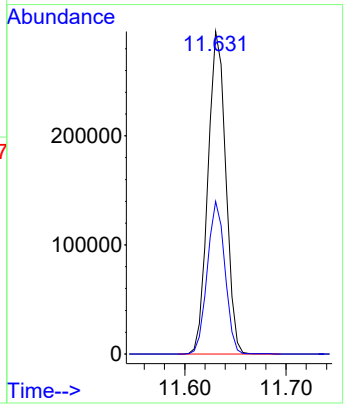




#7
DDT
Concen: 7.11 ug/l
RT: 11.631 min Scan# 1802
Delta R.T. 0.008 min
Lab File: s2F1201.D
Acq: 12 Jun 2025 14:00

Tgt Ion:235 Resp: 360194

Ion	Ratio	Lower	Upper
235	100		
165	46.8	0.0	148.1



8270 Breakdown Report

LL 06/20/2025

Data File : D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1201.D Vial: 1
Acq On : 12 Jun 2025 14:00 Operator: NM1
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP Inst : MSD2
Misc : Multiplr: 1.00
IntFile : rteint.p

JCB 06/20/2025

Compounds	Area/%Breakdown	8270C	8270D
DDE	0		
DDD	973		
DDT	360194		
Breakdown	0.27%	Pass(<20)	Pass(<20)

Compounds	Tailing Factor	8270C	8270D
Benzidine	0.76	Pass(<3)	Pass(<2)
Pentachlorophenol	1.37	Pass(<5)	Pass(<2)

DFTPP Tune Report
GEL Laboratories, LLC

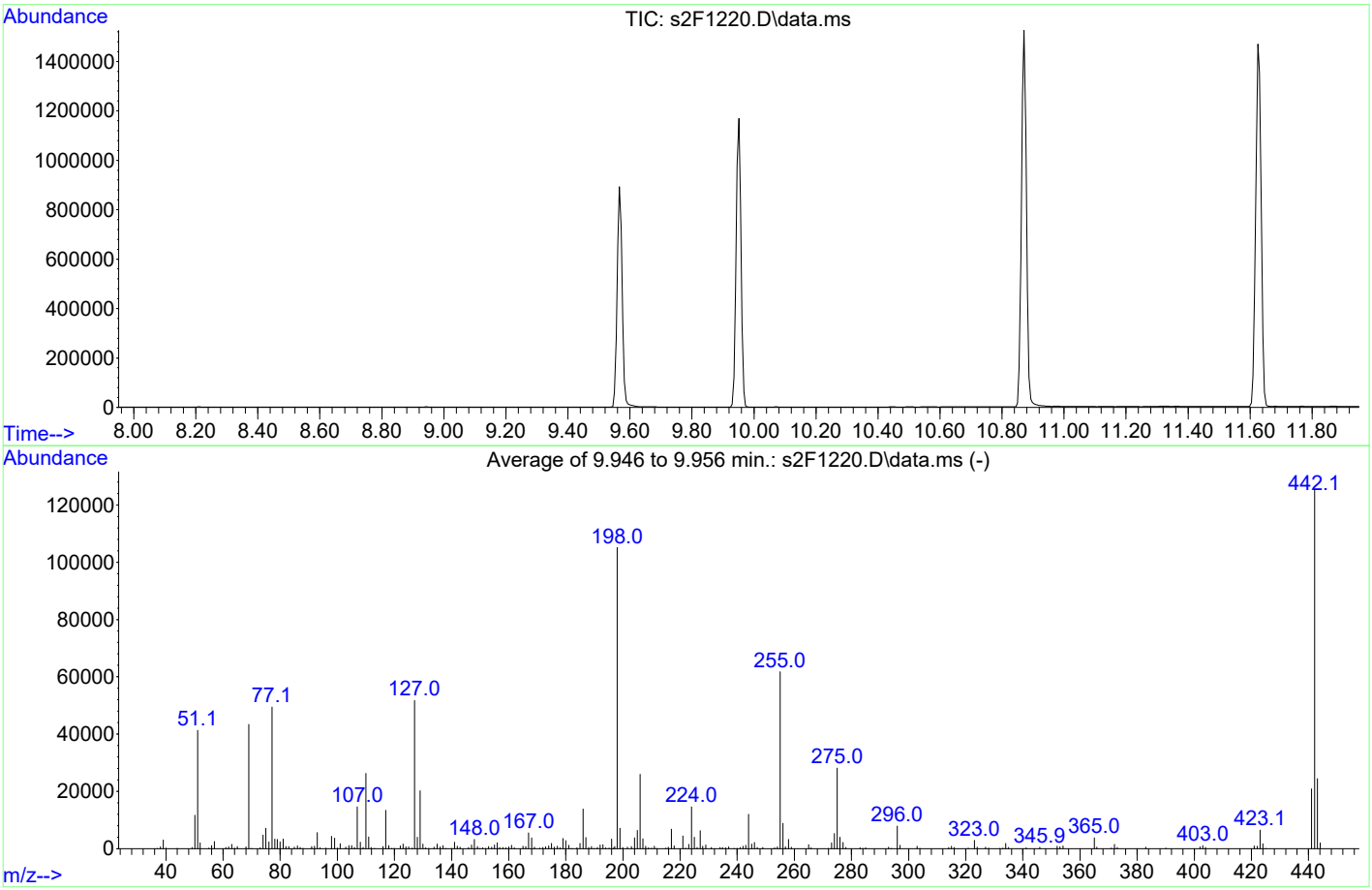
LL 06/20/2025

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1220.D
Acq On : 12 Jun 2025 21:29
Operator : NM1
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

JCB 06/20/2025

Integration File: rteint.p

Method : D:\MSDCHEM\1\data\s061225_ICAL.s\BNABrk_Down8270E.m
Title : dftpp / endrin / ddt SubList :
Last Update : Sat Mar 23 09:42:24 2019



AutoFind: Scans 1487, 1488, 1489; Background Corrected with Scan 1481

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	681	PASS
69	198	0.00	100	41.3	43395	PASS
70	69	0.00	2	0.4	164	PASS
197	198	0.00	2	0.7	712	PASS
198	442	0.01	100	83.9	105136	PASS
199	198	5	9	6.8	7099	PASS
365	198	1	100	3.6	3778	PASS
441	443	0.01	150	85.3	20889	PASS
442	442	0.01	100	100.0	125280	PASS
443	442	15	24	19.6	24501	PASS

This report evaluates the Rel Abn% as passing only if it is greater than the Lower Limit and lower than the Upper Limit.

LL
06/20/2025

JCB
06/20/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1220.D
Acq On : 12 Jun 2025 21:29
Operator : NM1
InstName : MSD2
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 20 14:50:15 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\BNABrk_Down8270E.m
Quant Title : dftpp / endrin / ddt SubList :
QLast Update : Sat Mar 23 09:42:24 2019
Response via : Initial Calibration
Integrator: RTE

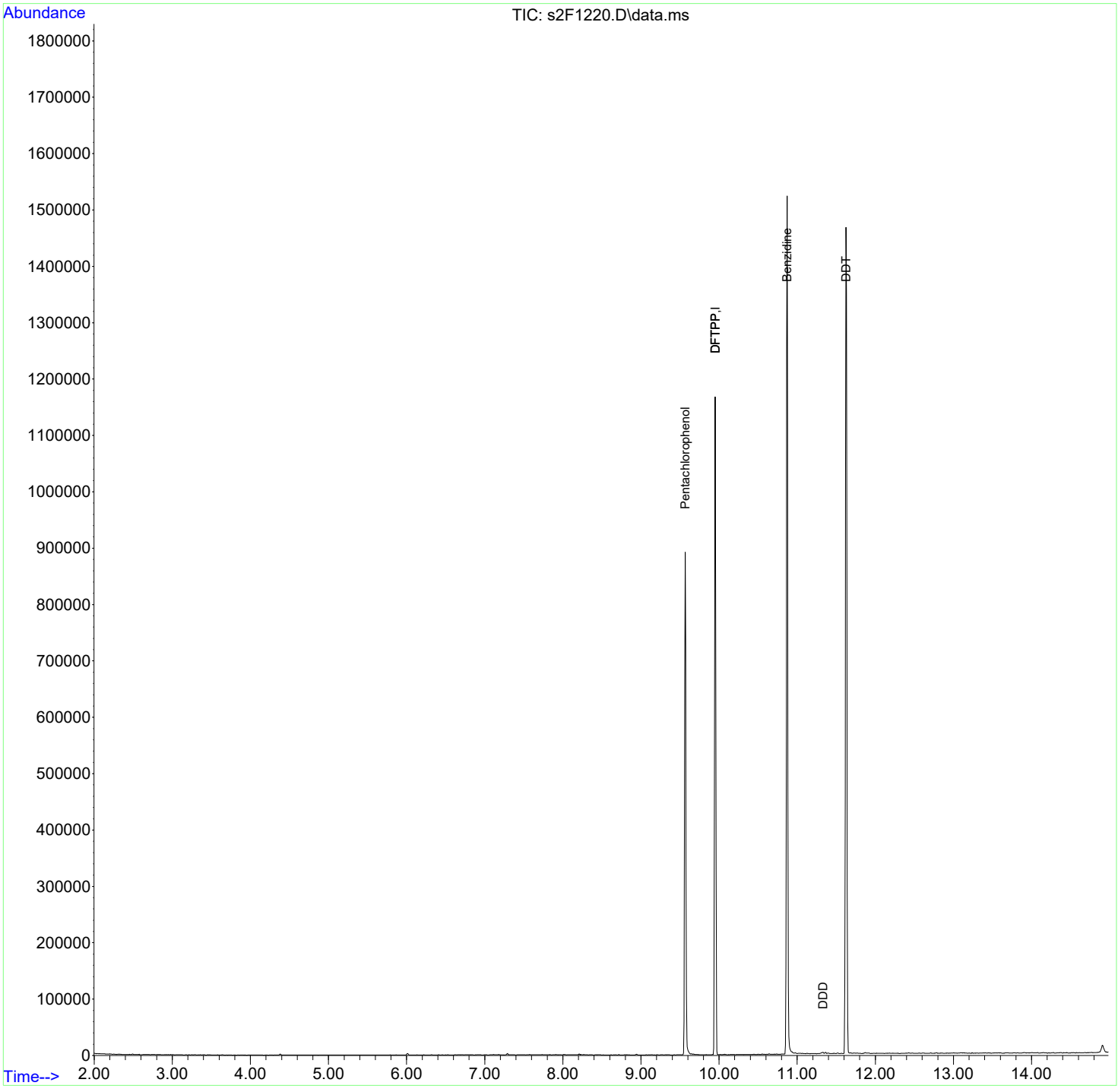
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
Internal Standards								Dev(Min)
1) DFTPP	TIC	9.951	9.951	1.000	1279798	5.00	ug/l	# 0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) DFTPP	TIC	9.951	9.951	1.000	1279798	5.00	ug/ml	# 1
3) Pentachlorophenol	266	9.566	9.571	0.961	129894	5.52	ug/l	99
4) Benzidine	184	10.871	10.872	1.092	718147	10.56	ug/l	100
6) DDD	235	11.331	11.326	1.139	864	2.84	ug/l	92
7) DDT	235	11.625	11.623	1.168	354174	7.35	ug/l	98

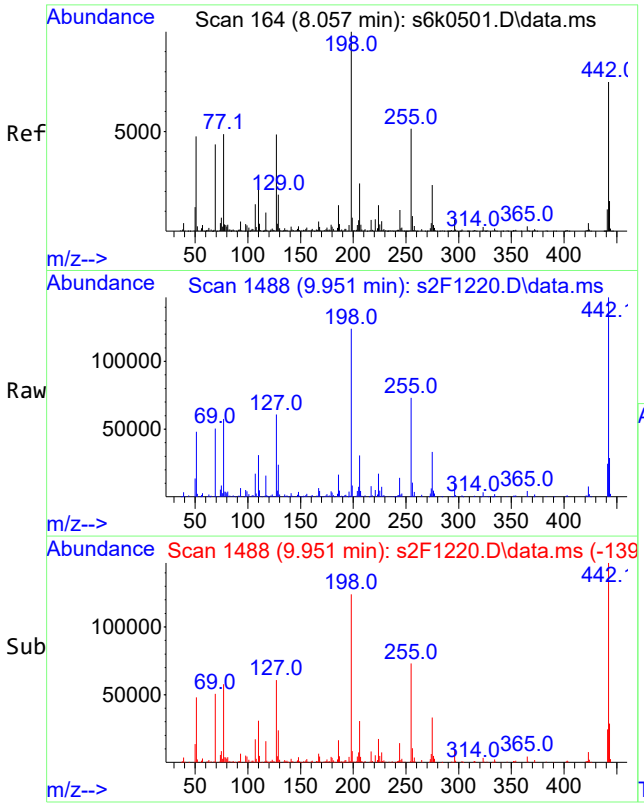
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s061225_ICAL.s\
Data File : s2F1220.D
Acq On : 12 Jun 2025 21:29
Operator : NM1
InstName : MSD2
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 20 14:50:15 2025
Quant Method : D:\MSDCHEM\1\data\s061225_ICAL.s\BNABrk_Down8270E.m
Quant Title : dftpp / endrin / ddt SubList :
QLast Update : Sat Mar 23 09:42:24 2019
Response via : Initial Calibration
Integrator: RTE

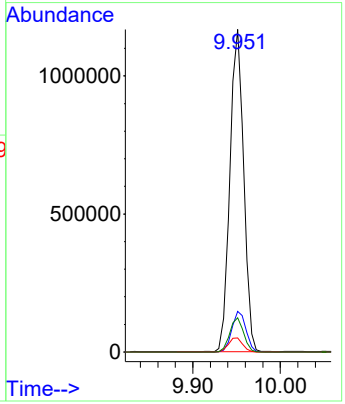


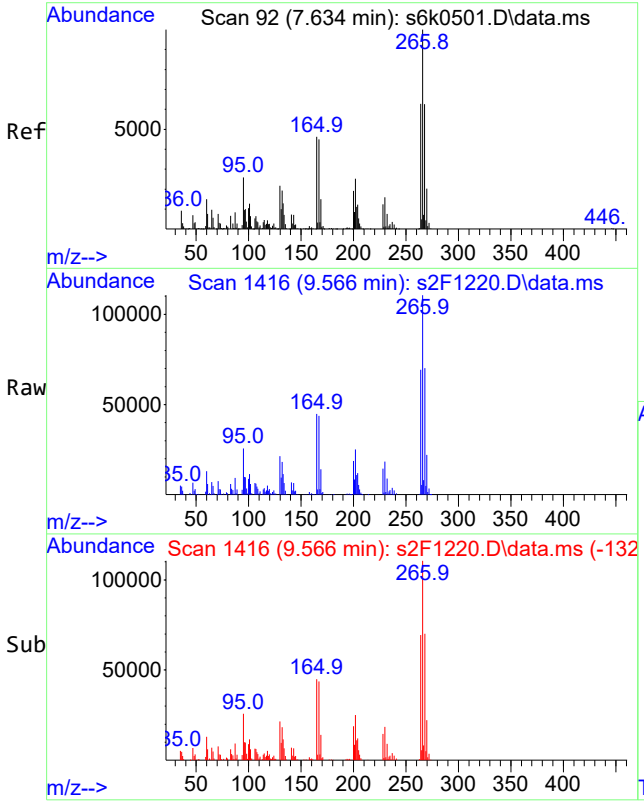


#2
DFTPP
Concen: 5.00 ug/ml
RT: 9.951 min Scan# 1488
Delta R.T. 0.000 min
Lab File: s2F1220.D
Acq: 12 Jun 2025 21:29

Tgt Ion:TIC Resp: 1279798

Ion	Ratio	Lower	Upper
TIC	100		
442	12.8	1114.5	1154.5#
69	4.5	602.4	642.4#
198	10.6	885.3	925.3#

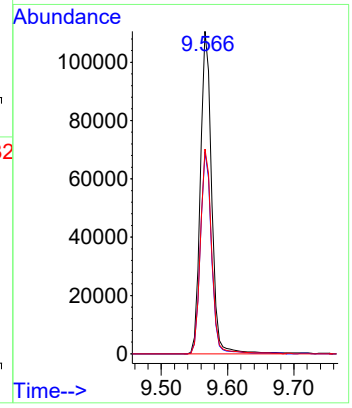


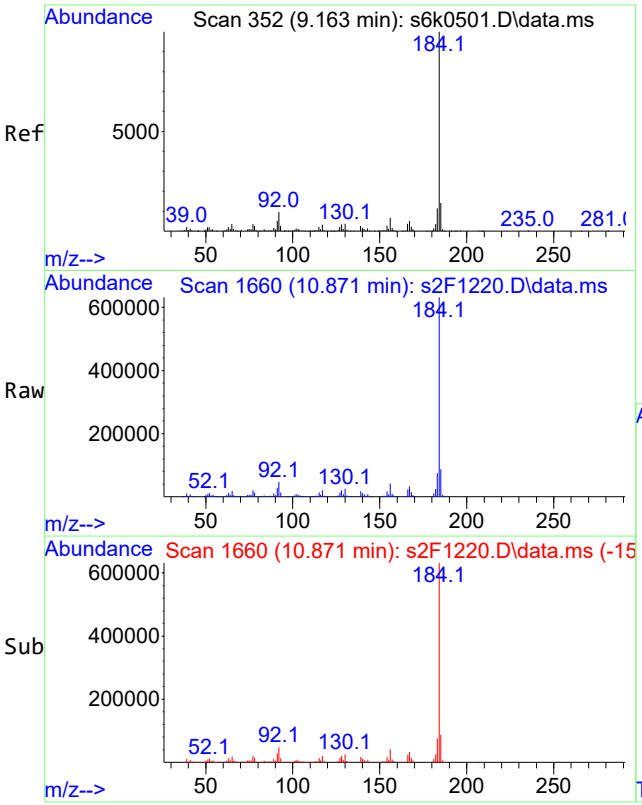


#3
Pentachlorophenol
Concen: 5.52 ug/l
RT: 9.566 min Scan# 1416
Delta R.T. -0.005 min
Lab File: s2F1220.D
Acq: 12 Jun 2025 21:29

Tgt Ion:266 Resp: 129894

Ion	Ratio	Lower	Upper
266	100		
264	62.1	0.0	162.6
268	63.6	0.0	162.5

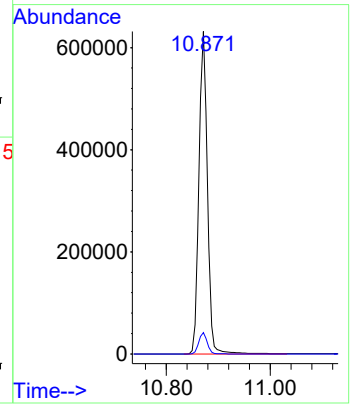


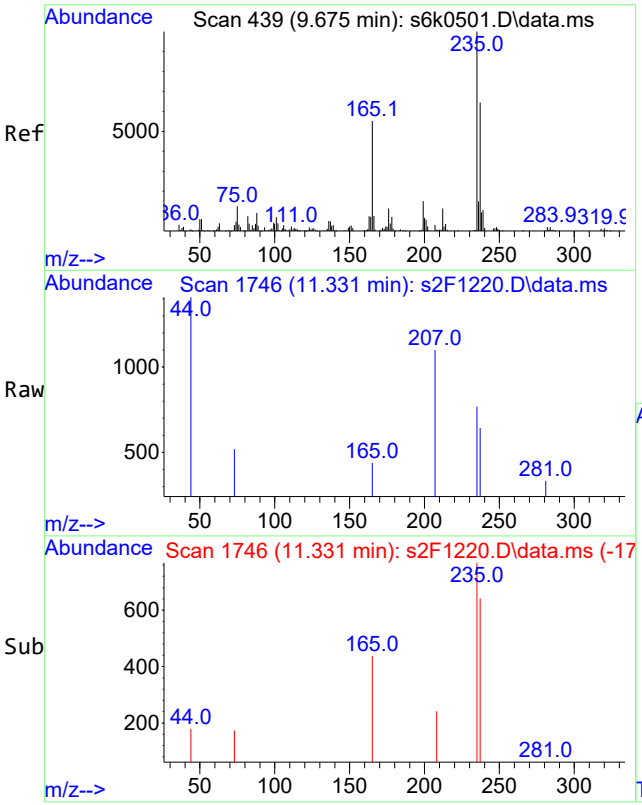


#4
Benzidine
Concen: 10.56 ug/l
RT: 10.871 min Scan# 1660
Delta R.T. -0.001 min
Lab File: s2F1220.D
Acq: 12 Jun 2025 21:29

Tgt Ion:184 Resp: 718147

Ion	Ratio	Lower	Upper
184	100		
156	6.6	0.0	106.7

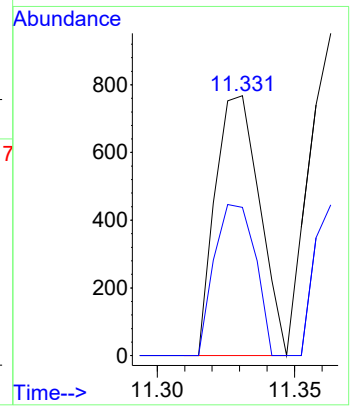


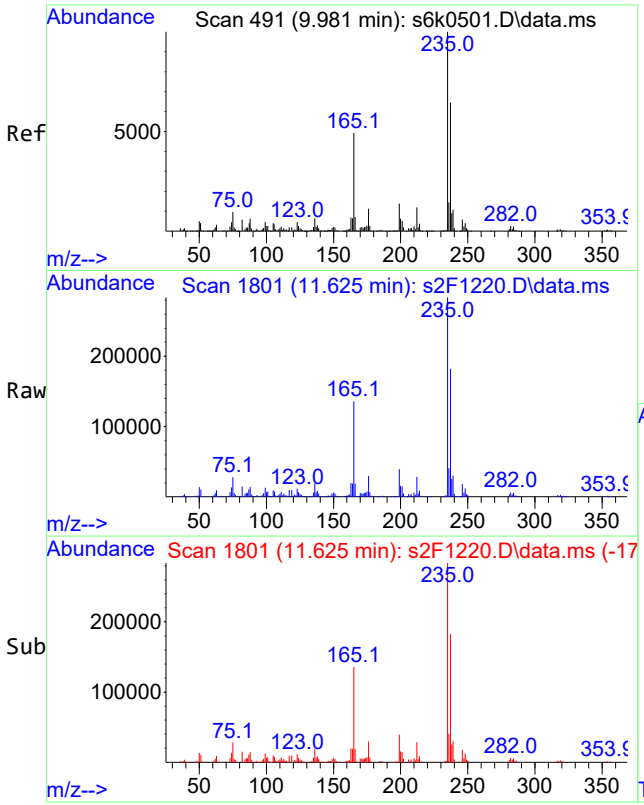


#6
DDD
Concen: 2.84 ug/l
RT: 11.331 min Scan# 1746
Delta R.T. 0.005 min
Lab File: s2F1220.D
Acq: 12 Jun 2025 21:29

Tgt Ion:235 Resp: 864

Ion	Ratio	Lower	Upper
235	100		
165	53.7	0.0	148.4

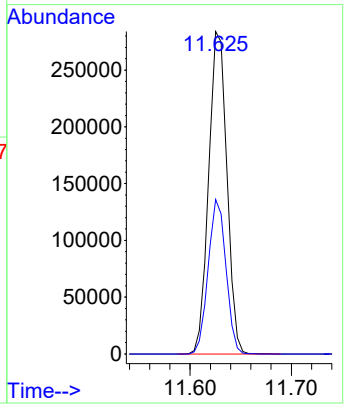




#7
DDT
Concen: 7.35 ug/l
RT: 11.625 min Scan# 1801
Delta R.T. 0.003 min
Lab File: s2F1220.D
Acq: 12 Jun 2025 21:29

Tgt Ion:235 Resp: 354174

Ion	Ratio	Lower	Upper
235	100		
165	46.7	0.0	148.1



8270 Breakdown Report

LL 06/20/2025

Data File : D:\MSDCHEM\1\data\s061225_ICAL.s\s2F1220.D Vial: 1
Acq On : 12 Jun 2025 21:29 Operator: NM1
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP Inst : MSD2
Misc : Multiplr: 1.00
IntFile : rteint.p

JCB 06/20/2025

Compounds	Area/%Breakdown	8270C	8270D
DDE	0		
DDD	1068		
DDT	354174		
Breakdown	0.30%	Pass(<20)	Pass(<20)

Compounds	Tailing Factor	8270C	8270D
Benzidine	0.99	Pass(<3)	Pass(<2)
Pentachlorophenol	1.25	Pass(<5)	Pass(<2)

DFTPP Tune Report
GEL Laboratories, LLC

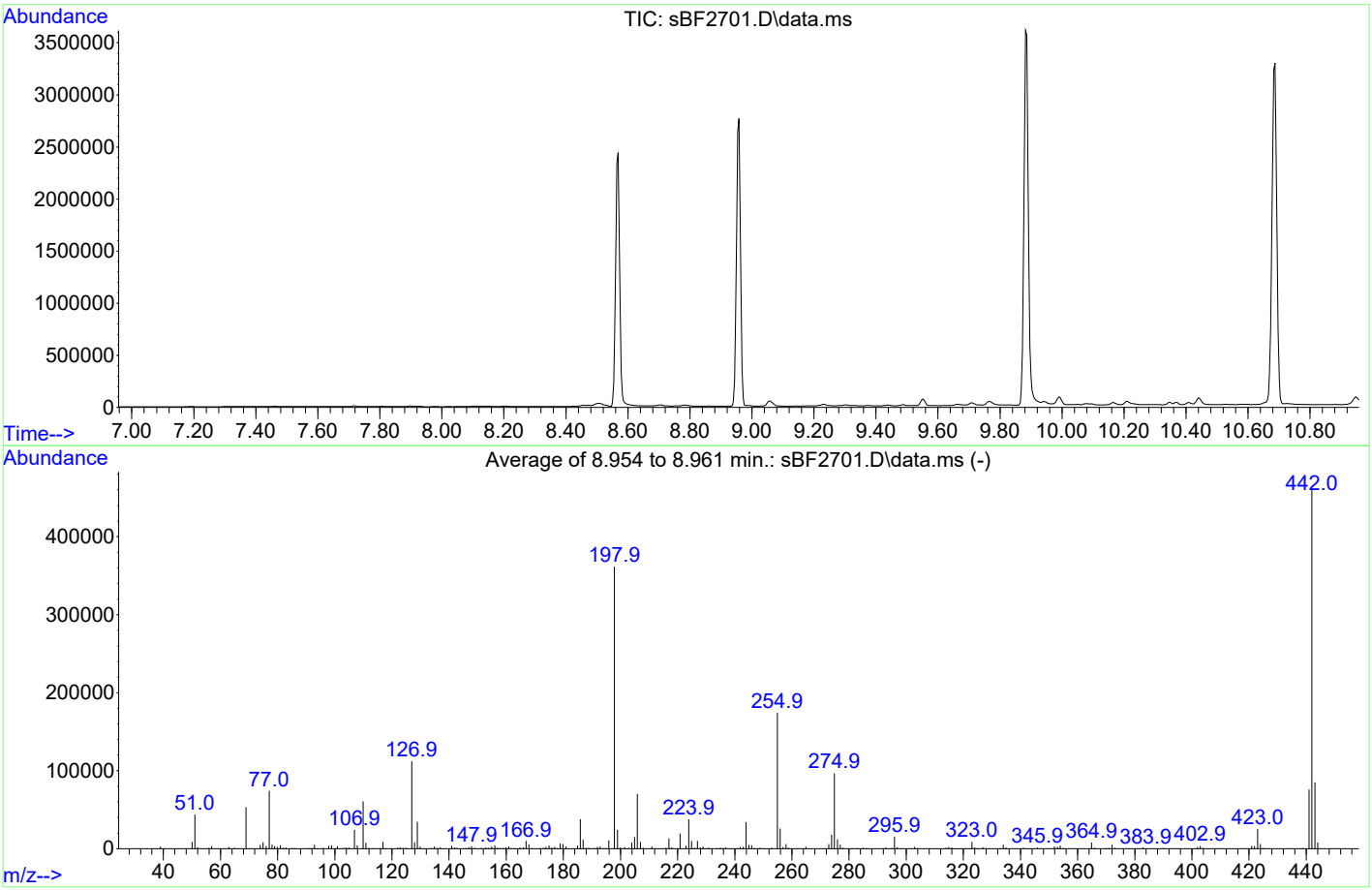
LL 06/30/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2701.D
Acq On : 27 Jun 2025 17:08
Operator : NM1
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

JCB 06/30/2025

Integration File: rteint.p

Method : D:\MSDChem\1\Data\s062725_ICAL\BNABrk_Down8270E.m
Title : dftpp / endrin / ddt SubList :
Last Update : Sat Mar 23 09:33:11 2019



AutoFind: Scans 2065, 2066, 2067; Background Corrected with Scan 2057

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	14.7	53141	PASS
70	69	0.00	2	0.5	257	PASS
197	198	0.00	2	0.0	0	PASS
198	442	0.01	100	78.6	361792	PASS
199	198	5	9	6.7	24192	PASS
365	198	1	100	2.2	7842	PASS
441	443	0.01	150	89.0	75856	PASS
442	442	0.01	100	100.0	460160	PASS
443	442	15	24	18.5	85208	PASS

This report evaluates the Rel Abn% as passing only if it is greater than the Lower Limit and lower than the Upper Limit.

LL 07/30/2025

JCB 06/30/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2701.D
Acq On : 27 Jun 2025 17:08
Operator : NM1
InstName : MSDB
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 09:39:10 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\BNABrk_Down8270E.m
Quant Title : dftpp / endrin / ddt SubList :
QLast Update : Sat Mar 23 09:33:11 2019
Response via : Initial Calibration
Integrator: RTE

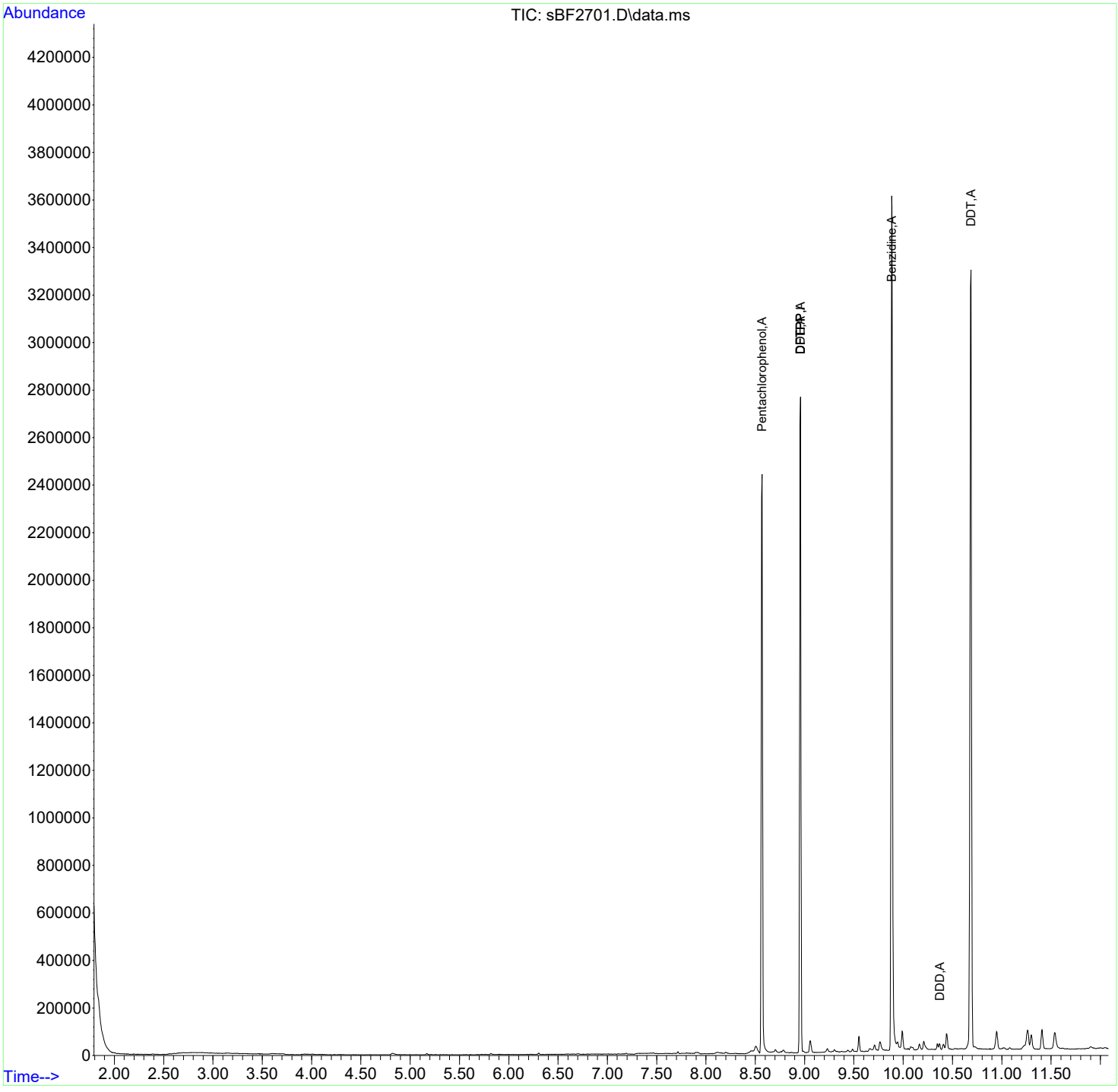
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
Internal Standards								Dev(Min)
1) DFTPP	TIC	8.958	8.958	1.000	2480042	5.00	ug/ml #	0.00
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) DFTPP	TIC	8.958	8.958	1.000	2480042	5.00	ug/ml#	1
3) Pentachlorophenol	266	8.568	8.568	0.957	362237	8.67	ug/ml	100
4) Benzidine	184	9.883	9.883	1.103	1657151	9.92	ug/ml	100
5) DDE	246	8.958	8.958	1.000	4222	31.41	ug/ml#	41
6) DDD	235	10.370	10.370	1.158	6917	17.83	ug/ml	100
7) DDT	235	10.686	10.686	1.193	830928	10.93	ug/ml	99

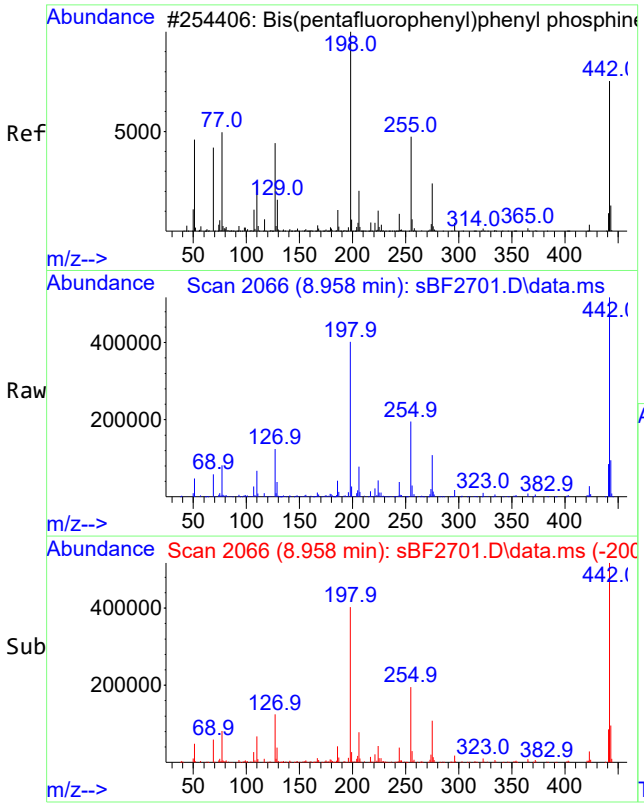
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2701.D
Acq On : 27 Jun 2025 17:08
Operator : NM1
InstName : MSDB
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 09:39:10 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\BNABrk_Down8270E.m
Quant Title : dftpp / endrin / ddt SubList :
QLast Update : Sat Mar 23 09:33:11 2019
Response via : Initial Calibration
Integrator: RTE

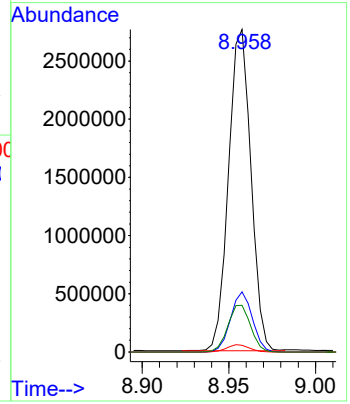


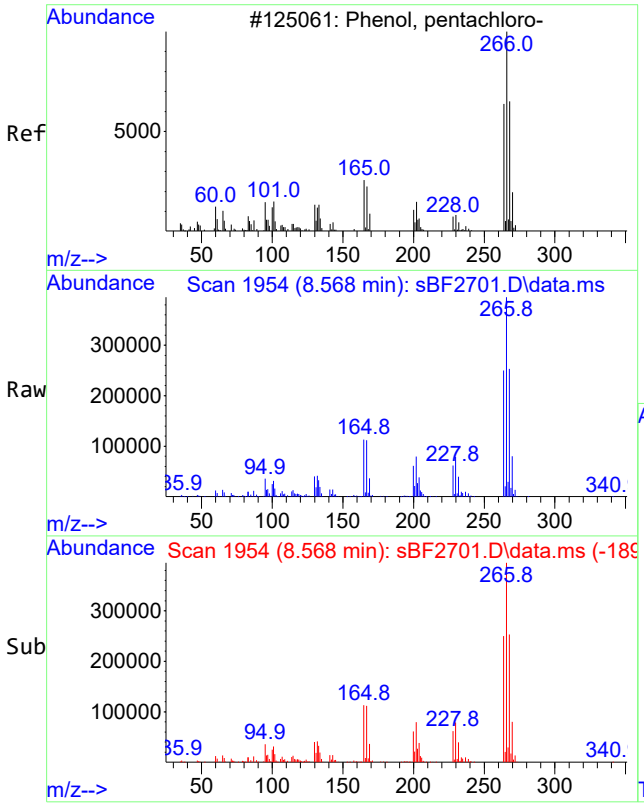


#2
DFTPP
Concen: 5.00 ug/ml
RT: 8.958 min Scan# 2066
Delta R.T. 0.000 min
Lab File: sBF2701.D
Acq: 27 Jun 2025 17:08

Tgt Ion:TIC Resp: 2480042

Ion	Ratio	Lower	Upper
TIC	100		
442	18.2	1845.8	1885.8#
69	2.2	191.7	231.7#
198	14.7	1431.3	1471.3#

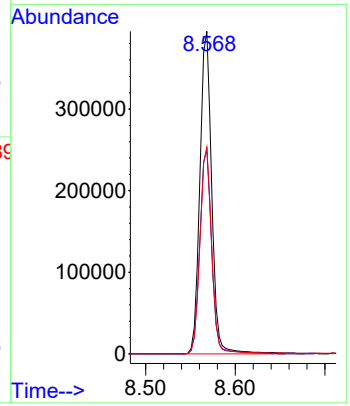


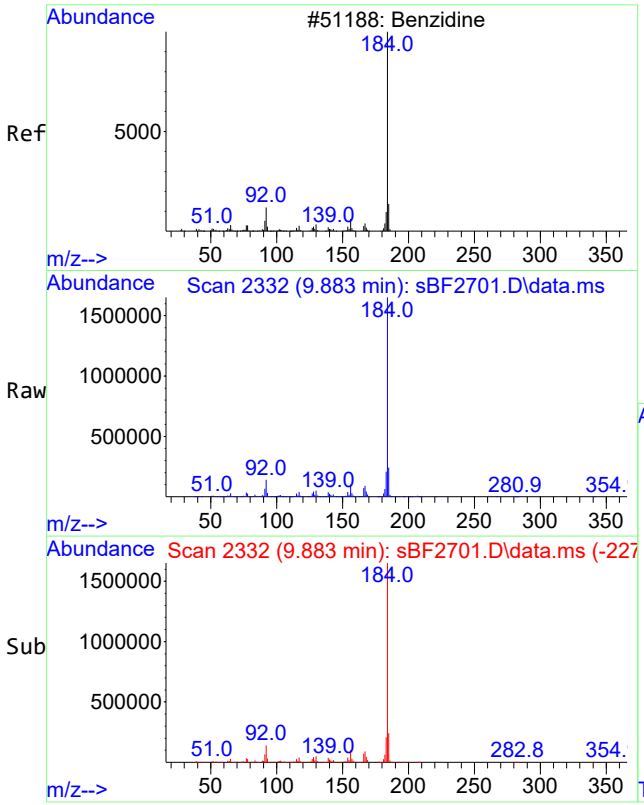


#3
Pentachlorophenol
Concen: 8.67 ug/ml
RT: 8.568 min Scan# 1954
Delta R.T. 0.000 min
Lab File: sBF2701.D
Acq: 27 Jun 2025 17:08

Tgt Ion:266 Resp: 362237

Ion	Ratio	Lower	Upper
266	100		
264	63.3	0.0	163.4
268	63.6	0.0	164.1

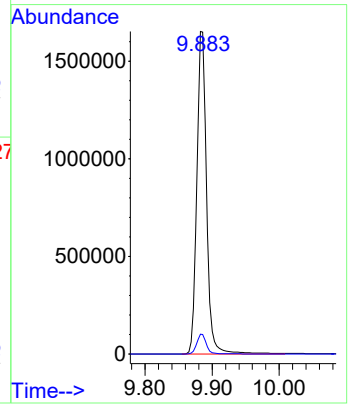


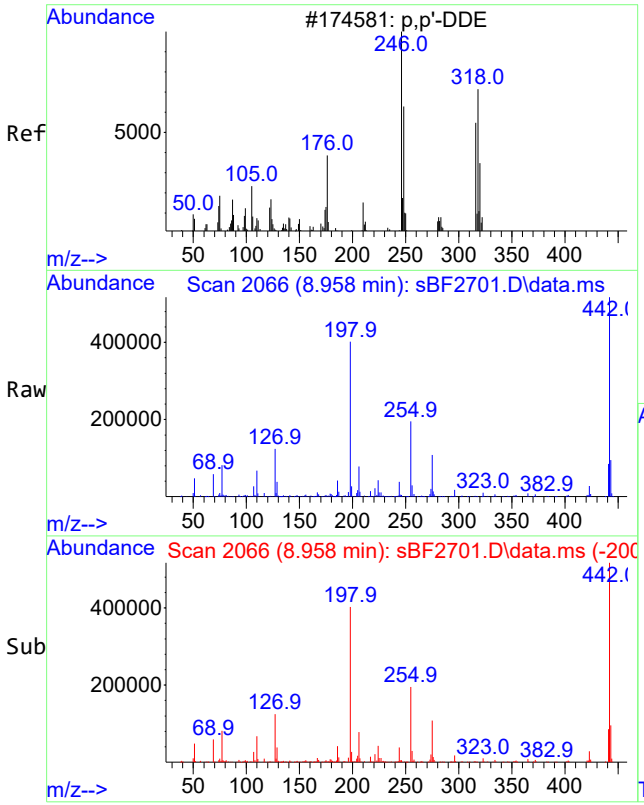


#4
Benzidine
Concen: 9.92 ug/ml
RT: 9.883 min Scan# 2332
Delta R.T. 0.000 min
Lab File: sBF2701.D
Acq: 27 Jun 2025 17:08

Tgt Ion:184 Resp: 1657151

Ion	Ratio	Lower	Upper
184	100		
156	6.1	0.0	106.2

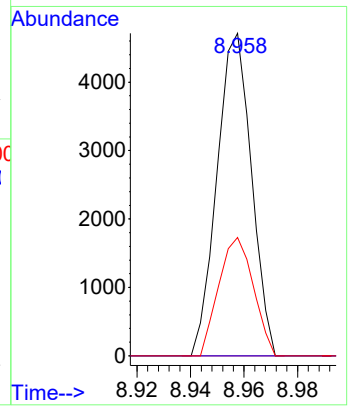


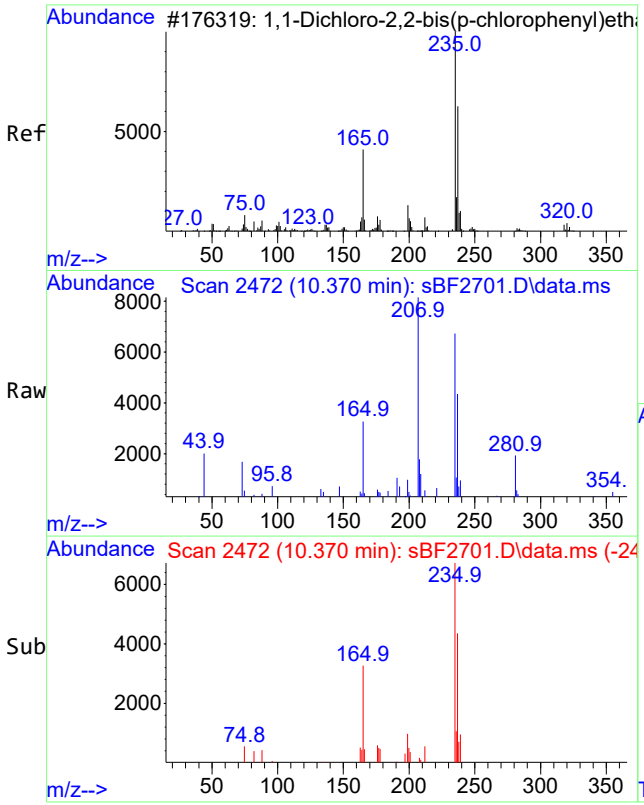


#5
DDE
Concen: 31.41 ug/ml
RT: 8.958 min Scan# 2066
Delta R.T. 0.000 min
Lab File: sBF2701.D
Acq: 27 Jun 2025 17:08

Tgt Ion:246 Resp: 4222

Ion	Ratio	Lower	Upper
246	100		
318	0.0	0.0	171.4
316	36.9	0.0	154.7

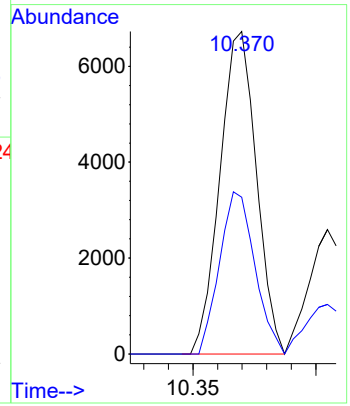


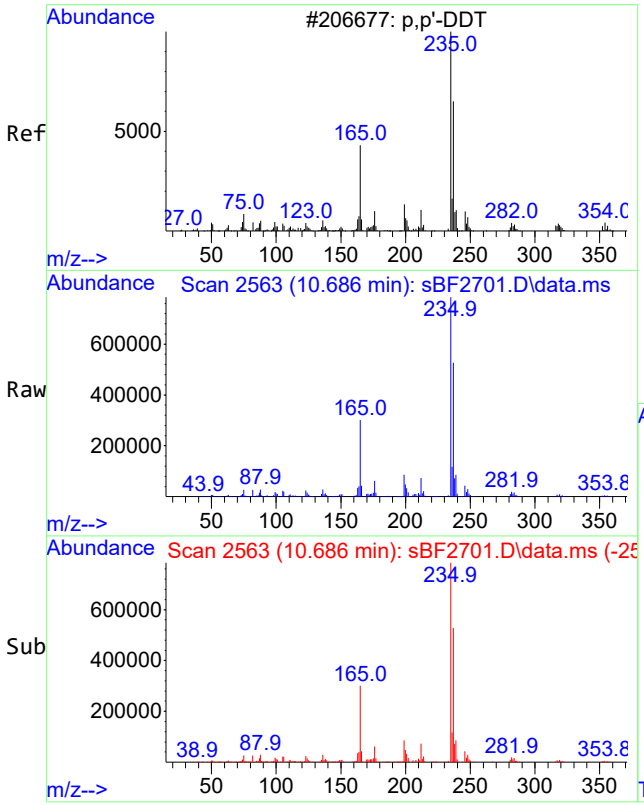


#6
DDD
Concen: 17.83 ug/ml
RT: 10.370 min Scan# 2472
Delta R.T. 0.000 min
Lab File: sBF2701.D
Acq: 27 Jun 2025 17:08

Tgt Ion:235 Resp: 6917

Ion	Ratio	Lower	Upper
235	100		
165	48.6	0.0	148.6

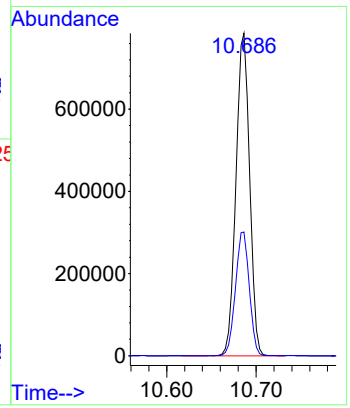




#7
DDT
Concen: 10.93 ug/ml
RT: 10.686 min Scan# 2563
Delta R.T. 0.000 min
Lab File: sBF2701.D
Acq: 27 Jun 2025 17:08

Tgt Ion:235 Resp: 830928

Ion	Ratio	Lower	Upper
235	100		
165	38.9	0.0	138.4



8270 Breakdown Report

LL 06/30/2025

Data File : D:\MSDChem\1\Data\s062725_ICAL\sBF2701.D Vial: 1
Acq On : 27 Jun 2025 17:08 Operator: NM1
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP Inst : MSDB
Misc : Multiplr: 1.00
IntFile : rteint.p

JCB 06/30/2025

Compounds	Area/%Breakdown	8270C	8270D
DDE	4222		
DDD	6917		
DDT	830928		
Breakdown	1.32%	Pass(<20)	Pass(<20)

Compounds	Tailing Factor	8270C	8270D
Benzidine	1.38	Pass(<3)	Pass(<2)
Pentachlorophenol	0.89	Pass(<5)	Pass(<2)

DFTPP Tune Report
GEL Laboratories, LLC

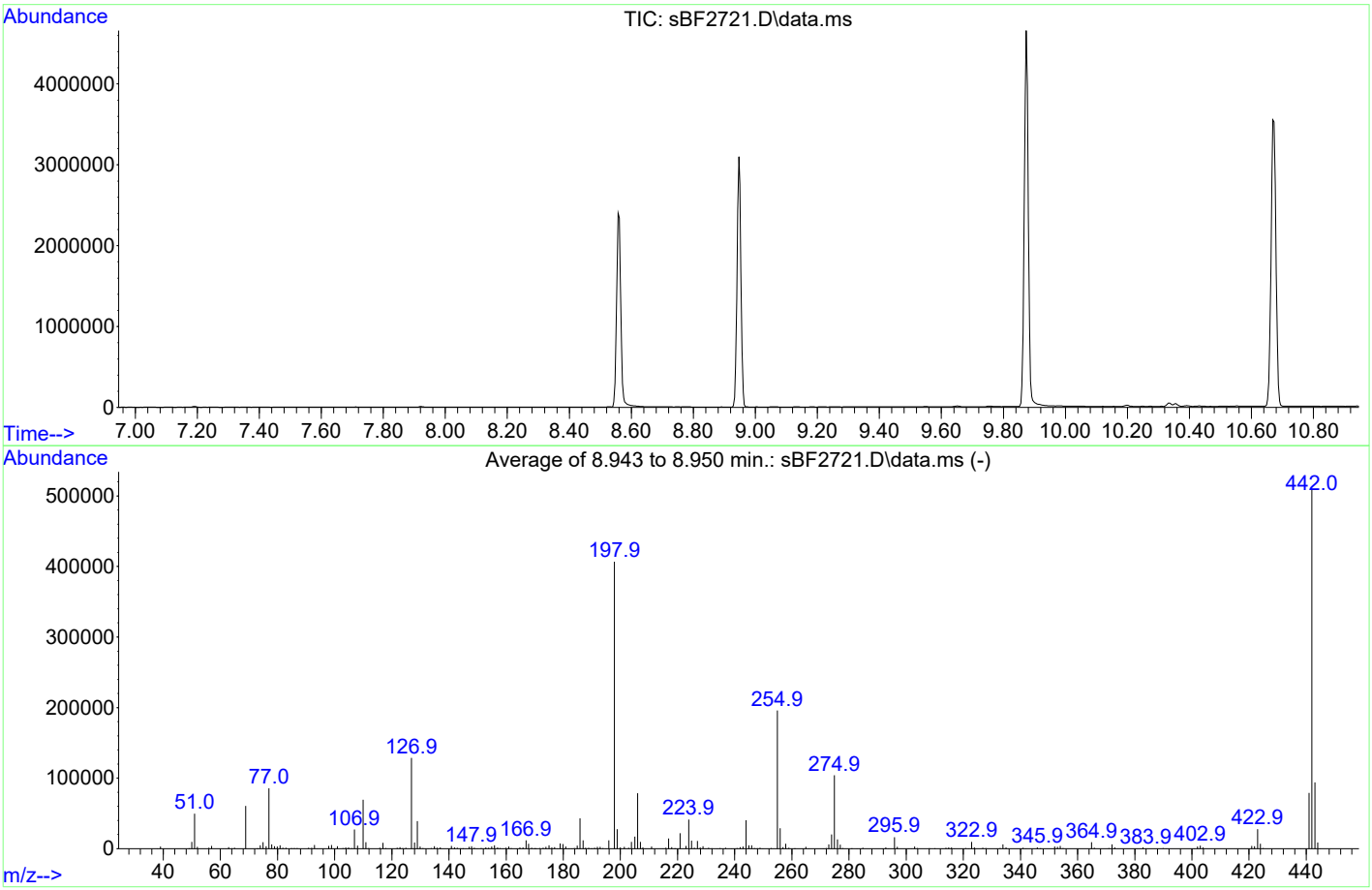
LL 06/30/2025

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2721.D
Acq On : 28 Jun 2025 00:29
Operator : NM1
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

JCB 06/30/2025

Integration File: rteint.p

Method : D:\MSDChem\1\Data\s062725_ICAL\BNABrk_Down8270E.m
Title : dftpp / endrin / ddt SubList :
Last Update : Sat Mar 23 09:33:11 2019



AutoFind: Scans 2063, 2064, 2065; Background Corrected with Scan 2055

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	14.9	60571	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.0	0	PASS
198	442	0.01	100	79.9	406528	PASS
199	198	5	9	6.8	27584	PASS
365	198	1	100	2.3	9415	PASS
441	443	0.01	150	84.0	79091	PASS
442	442	0.01	100	100.0	508672	PASS
443	442	15	24	18.5	94155	PASS

This report evaluates the Rel Abn% as passing only if it is greater than the Lower Limit and lower than the Upper Limit.

LL 06/30/2025

JCB 06/30/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2721.D
Acq On : 28 Jun 2025 00:29
Operator : NM1
InstName : MSDB
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 09:39:32 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\BNABrk_Down8270E.m
Quant Title : dftpp / endrin / ddt SubList :
QLast Update : Sat Mar 23 09:33:11 2019
Response via : Initial Calibration
Integrator: RTE

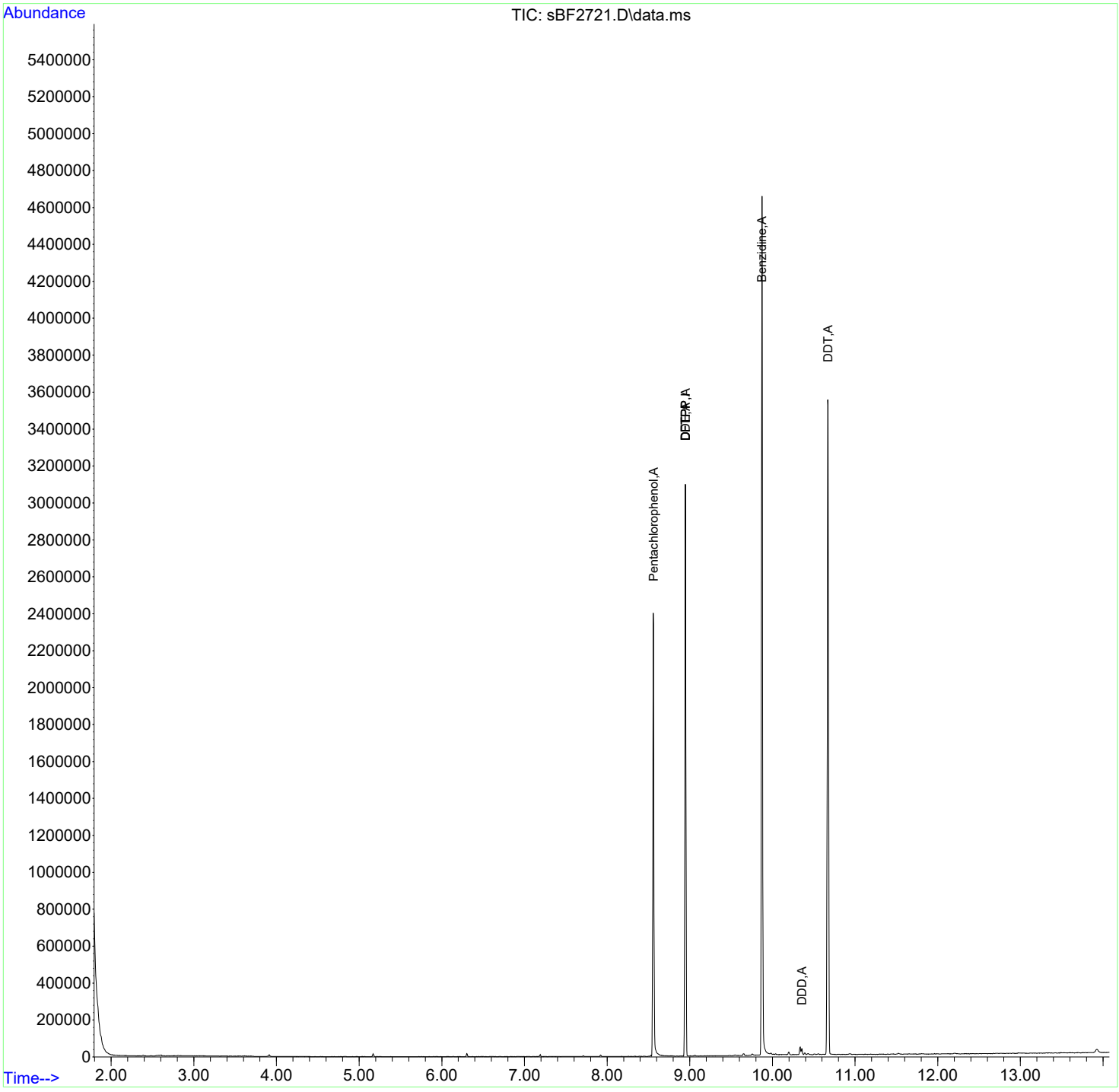
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
Internal Standards								Dev(Min)
1) DFTPP	TIC	8.947	8.958	1.000	2699714	5.00	ug/ml	#-0.01
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) DFTPP	TIC	8.947	8.958	1.000	2699714	5.00	ug/ml#	1
3) Pentachlorophenol	266	8.561	8.568	0.957	366081	8.05	ug/ml	99
4) Benzidine	184	9.874	9.883	1.104	1960574	10.78	ug/ml	100
5) DDE	246	8.947	8.958	1.000	4608	31.49	ug/ml#	40
6) DDD	235	10.357	10.370	1.158	8791	20.81	ug/ml	91
7) DDT	235	10.673	10.686	1.193	922007	11.14	ug/ml	100

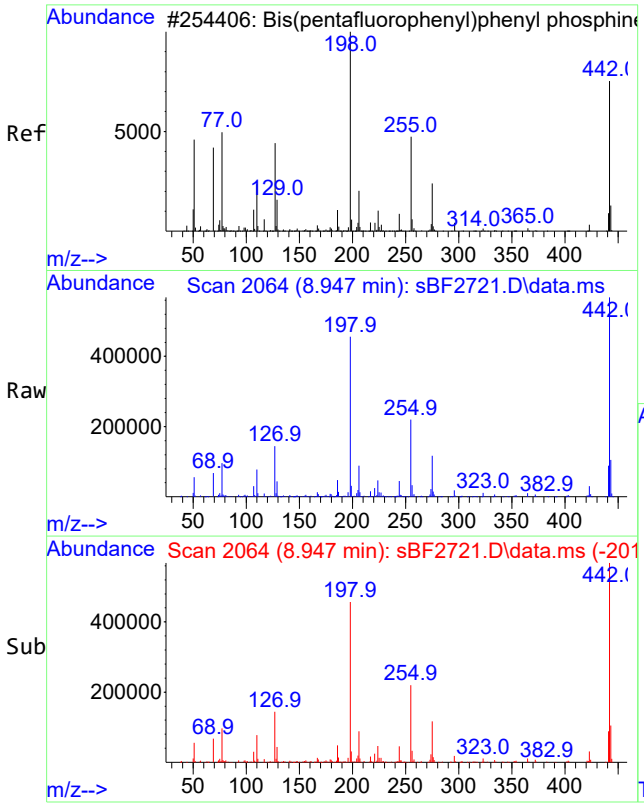
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s062725_ICAL\
Data File : sBF2721.D
Acq On : 28 Jun 2025 00:29
Operator : NM1
InstName : MSDB
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 09:39:32 2025
Quant Method : D:\MSDChem\1\Data\s062725_ICAL\BNABrk_Down8270E.m
Quant Title : dftpp / endrin / ddt SubList :
QLast Update : Sat Mar 23 09:33:11 2019
Response via : Initial Calibration
Integrator: RTE

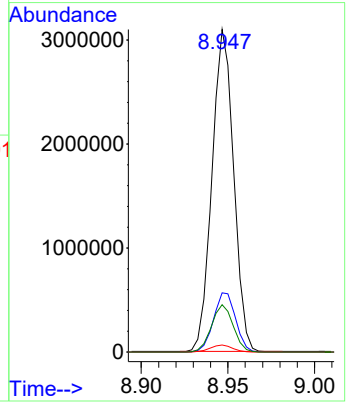


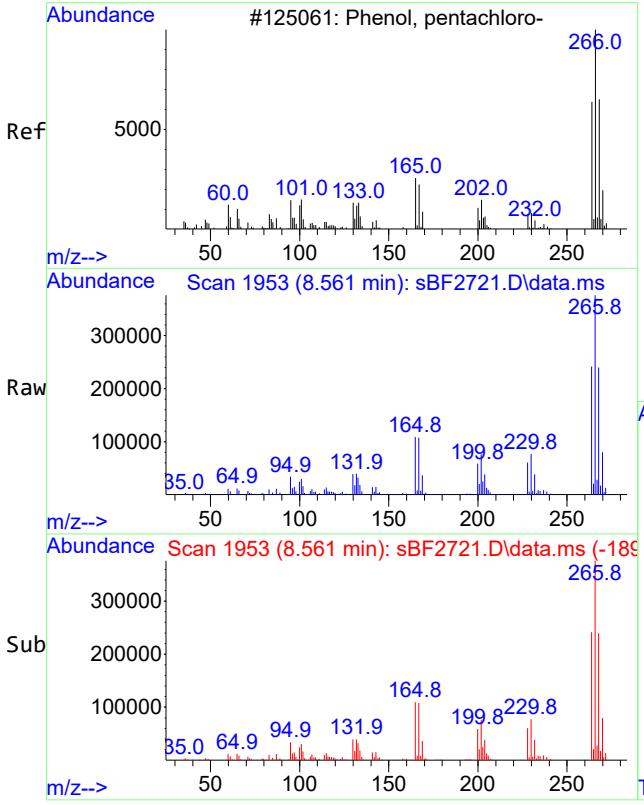


#2
DFTPP
Concen: 5.00 ug/ml
RT: 8.947 min Scan# 2064
Delta R.T. -0.011 min
Lab File: sBF2721.D
Acq: 28 Jun 2025 00:29

Tgt Ion:TIC Resp: 2699714

Ion	Ratio	Lower	Upper
TIC	100		
442	18.7	1845.8	1885.8#
69	2.2	191.7	231.7#
198	14.6	1431.3	1471.3#

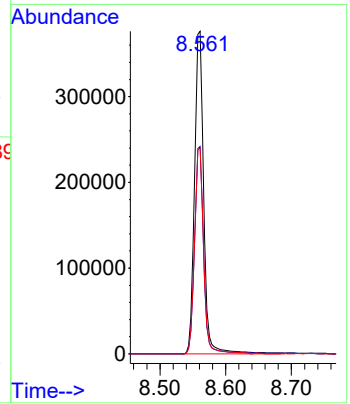


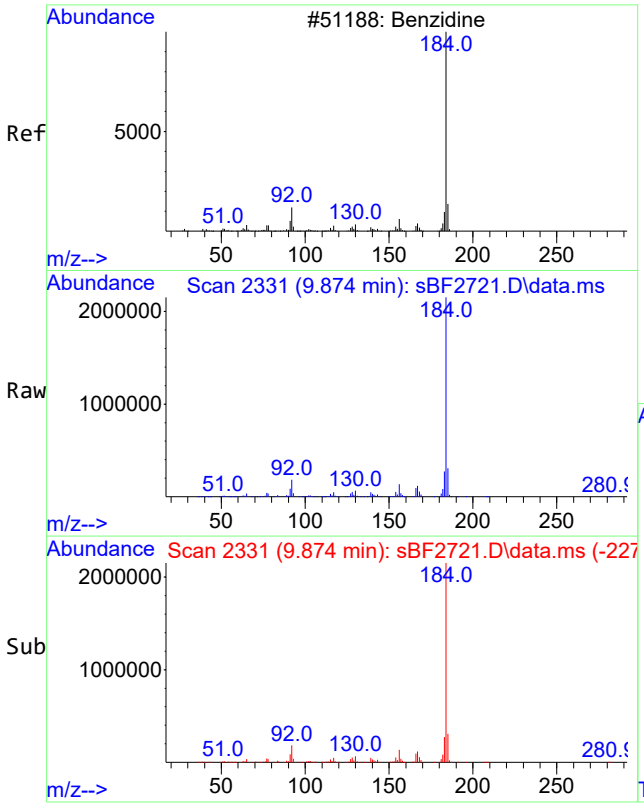


#3
Pentachlorophenol
Concen: 8.05 ug/ml
RT: 8.561 min Scan# 1953
Delta R.T. -0.007 min
Lab File: sBF2721.D
Acq: 28 Jun 2025 00:29

Tgt Ion:266 Resp: 366081

Ion	Ratio	Lower	Upper
266	100		
264	63.0	0.0	163.4
268	63.0	0.0	164.1

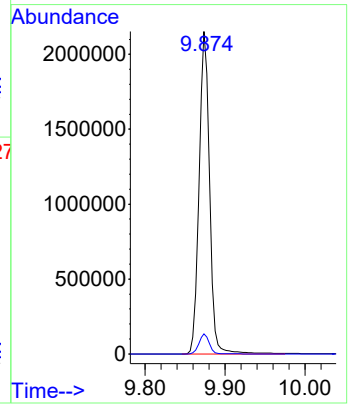


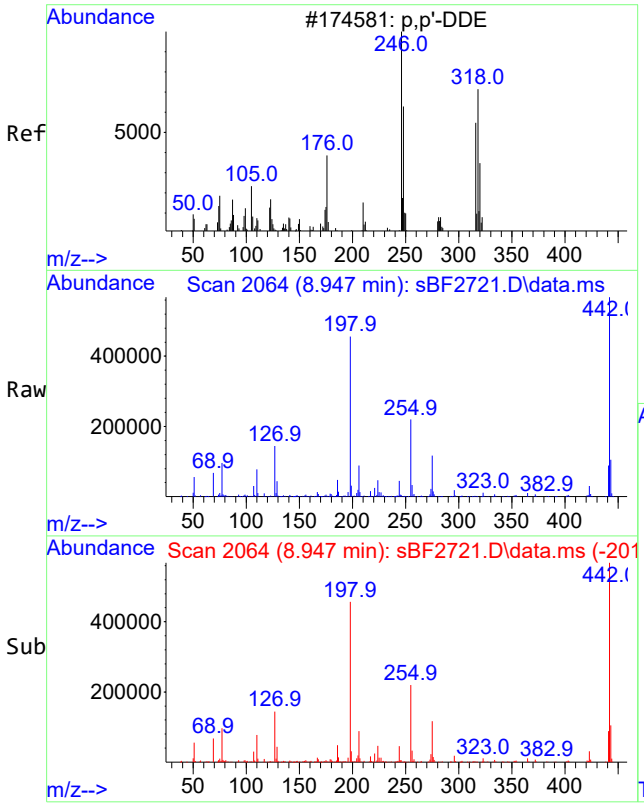


#4
Benzidine
Concen: 10.78 ug/ml
RT: 9.874 min Scan# 2331
Delta R.T. -0.009 min
Lab File: sBF2721.D
Acq: 28 Jun 2025 00:29

Tgt Ion:184 Resp: 1960574

Ion	Ratio	Lower	Upper
184	100		
156	6.2	0.0	106.2

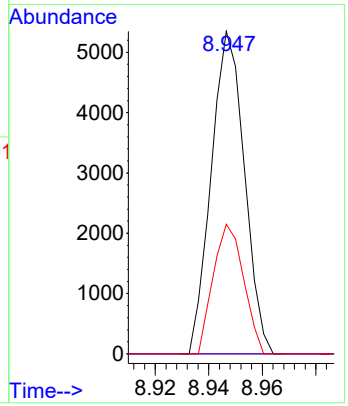


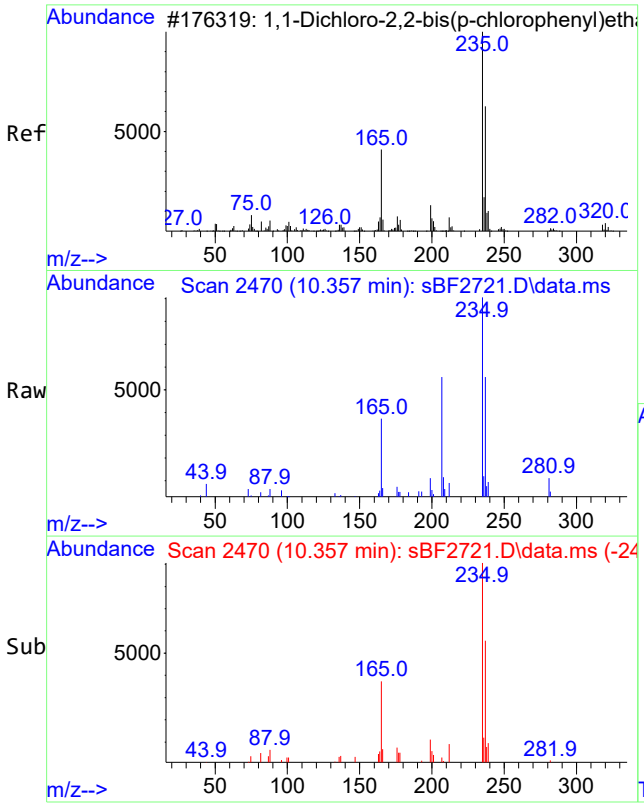


#5
DDE
Concen: 31.49 ug/ml
RT: 8.947 min Scan# 2064
Delta R.T. -0.011 min
Lab File: sBF2721.D
Acq: 28 Jun 2025 00:29

Tgt Ion:246 Resp: 4608

Ion	Ratio	Lower	Upper
246	100		
318	0.0	0.0	171.4
316	36.7	0.0	154.7

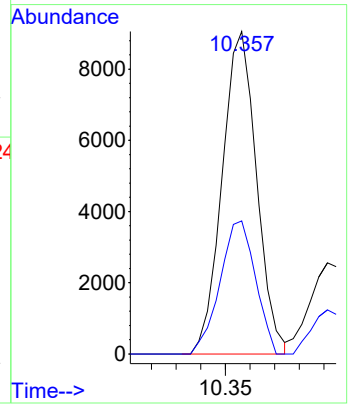


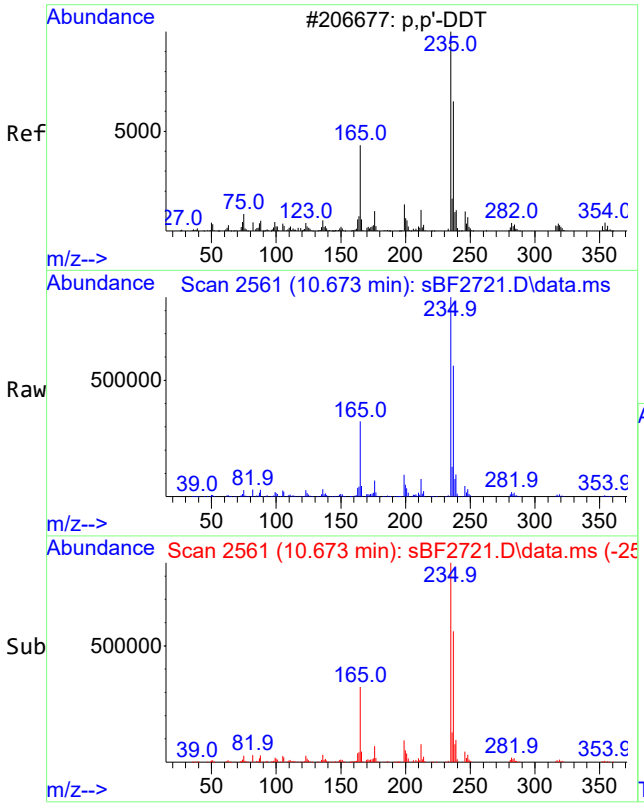


#6
DDD
Concen: 20.81 ug/ml
RT: 10.357 min Scan# 2470
Delta R.T. -0.013 min
Lab File: sBF2721.D
Acq: 28 Jun 2025 00:29

Tgt Ion:235 Resp: 8791

Ion	Ratio	Lower	Upper
235	100		
165	42.5	0.0	148.6

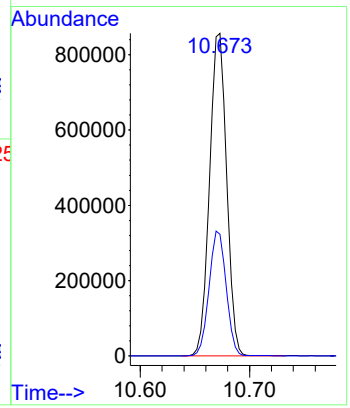




#7
DDT
Concen: 11.14 ug/ml
RT: 10.673 min Scan# 2561
Delta R.T. -0.014 min
Lab File: sBF2721.D
Acq: 28 Jun 2025 00:29

Tgt Ion:235 Resp: 922007

Ion	Ratio	Lower	Upper
235	100		
165	38.7	0.0	138.4



8270 Breakdown Report

LL 07/01/2025

Data File : D:\MSDChem\1\Data\s062725_ICAL\sBF2721.D Vial: 1
Acq On : 28 Jun 2025 00:29 Operator: NM1
Sample : |WBN250610-98|DFTPP|1|SVM|1|DFTPP Inst : MSDB
Misc : Multiplr: 1.00
IntFile : rteint.p

JCB 06/30/2025

Compounds	Area/%Breakdown	8270C	8270D
DDE	4608		
DDD	8791		
DDT	922007		
Breakdown	1.43%	Pass(<20)	Pass(<20)

Compounds	Tailing Factor	8270C	8270D
Benzidine	1.05	Pass(<3)	Pass(<2)
Pentachlorophenol	0.84	Pass(<5)	Pass(<2)

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**			**Matrix:**	**WATER**
Lab Sample ID:	**1206195033**				
Client Sample:	**QC for batch 2843222**	**Client:**	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**MB for batch**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2843225**	**Inst:**	**MSD2.I**	**Dilution:**	**1**
Run Date:	**08/08/2025 16:09**	**Analyst:**	**NM1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/08/2025 11:40**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**
Data File:	**s080825.s\s2H0806.D**	**Column:**	**DB-5ms**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.300	ug/L	0.300	1.00
117-84-0	Di-n-octylphthalate	U	0.300	ug/L	0.300	1.00
122-09-8	a,a-Dimethylphenethylamine	U	3.00	ug/L	3.00	10.0
70-30-4	Hexachlorophene	U	167	ug/L	167	500

Quantitation Report
GEL Laboratories, LLC

08/11/2025

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0806.D
Acq On : 08 Aug 2025 16:09
Operator : NM1
InstName : MSD2
Sample : |1206195033|2843225|1|SVM|1|MB|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 6 Sample Multiplier: 1

08/12/2025

Quant Time: Aug 11 16:46:32 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.843	4.848	1.000	195958	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.555	6.555	1.000	732865	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.400	8.400	1.000	365151	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.726	9.726	1.000	754183	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.165	12.171	1.000	815996	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.556	14.551	1.000	804823	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.843	4.848	1.000	195958	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.555	6.555	1.000	733191	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.400	8.400	1.000	365151	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.726	9.726	1.000	754183	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.165	12.171	1.000	815996	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.556	14.551	1.000	812183	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	6.555	6.555	1.000	733191	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.726	9.726	1.000	754183	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.165	12.171	1.000	815996	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.555	6.555	1.000	733191	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.400	8.400	1.000	365151	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.726	9.726	1.000	754183	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.165	12.171	1.000	815996	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.555	6.555	1.000	733191	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.556	14.551	1.000	812381	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.319	3.324	0.685	200167	34.75	ng/uL	0.00
8) Phenol-d5	99	4.330	4.330	0.894	187400	26.64	ng/uL	0.00
23) Nitrobenzene-d5	82	5.597	5.597	0.854	225778	34.69	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.747	7.747	0.922	534027	36.45	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.117	9.117	1.085	216751	70.99	ng/uL	0.00
79) p-Terphenyl-d14	244	11.063	11.064	1.137	637507	31.59	ng/uL	0.00

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	15 - 72	35%
8) Phenol-d5	100.000	15 - 85	27%
23) Nitrobenzene-d5	50.000	34 - 107	69%
44) 2-Fluorobiphenyl	50.000	35 - 107	73%
63) 2,4,6-Tribromophenol	100.000	31 - 126	71%
79) p-Terphenyl-d14	50.000	20 - 118	63%

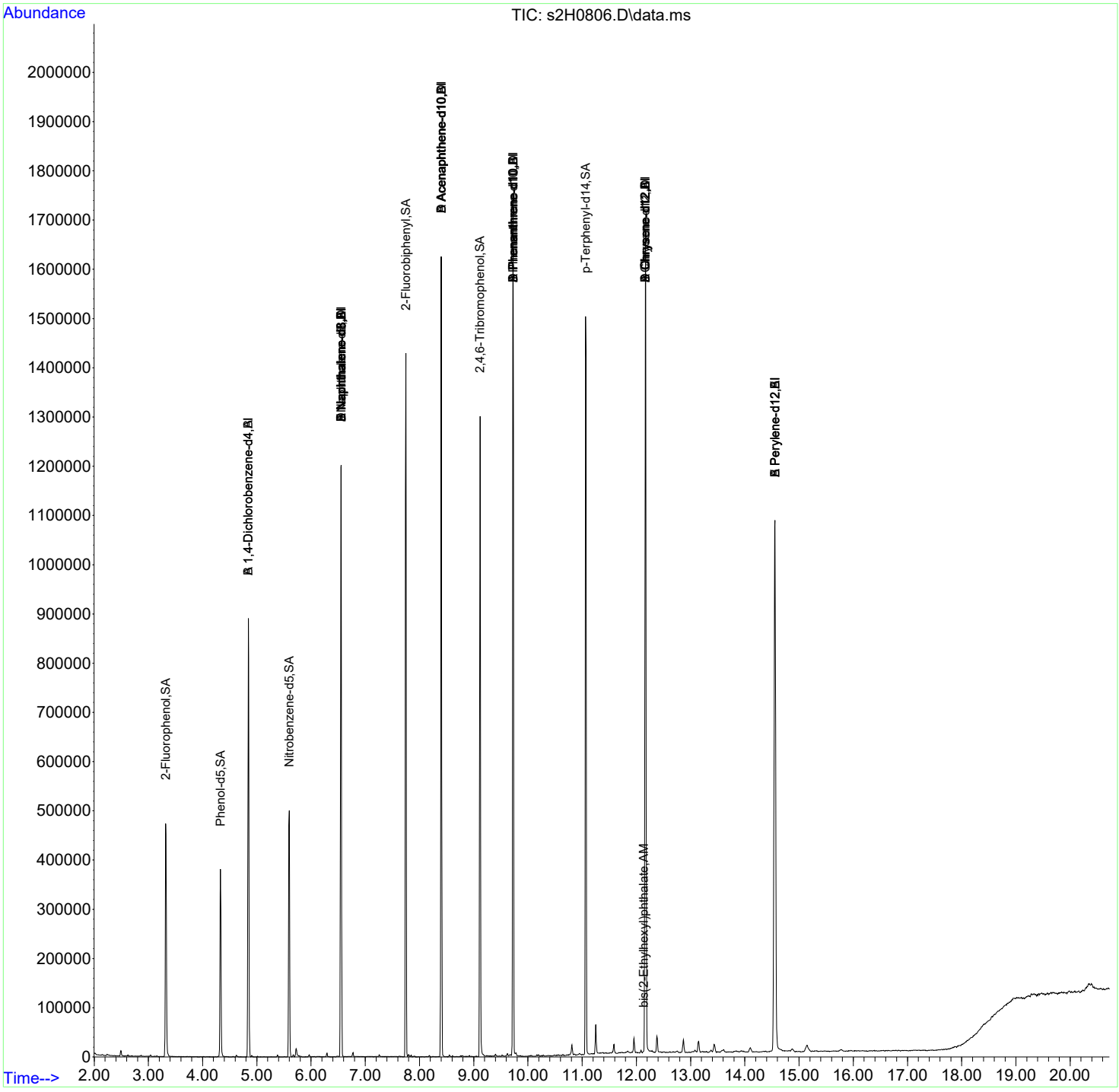
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
82) bis(2-Ethylhexyl)phtha...	149	12.133	12.128	0.997	1052	0.52	ng/uL	62

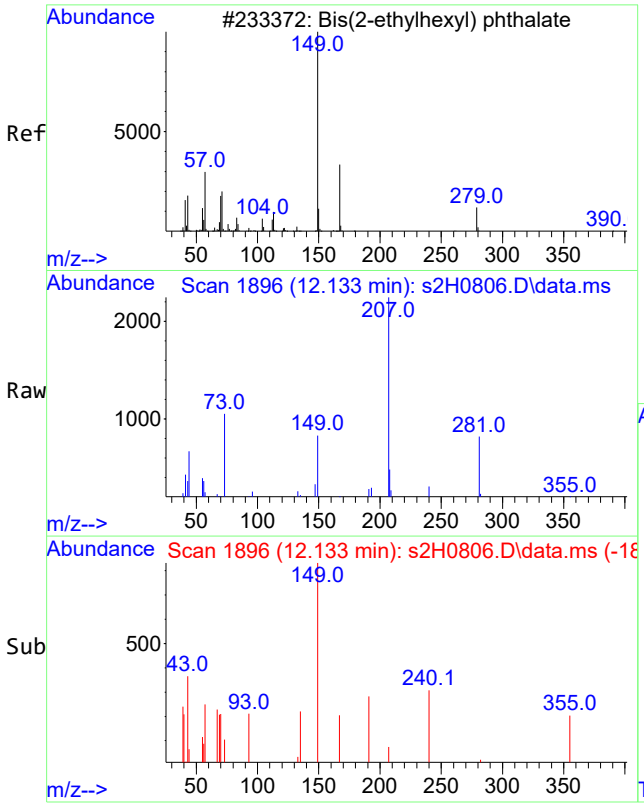
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0806.D
Acq On : 08 Aug 2025 16:09
Operator : NM1
InstName : MSD2
Sample : |1206195033|2843225|1|SVM|1|MB|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 11 16:46:32 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

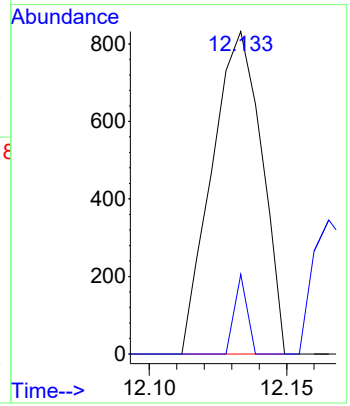


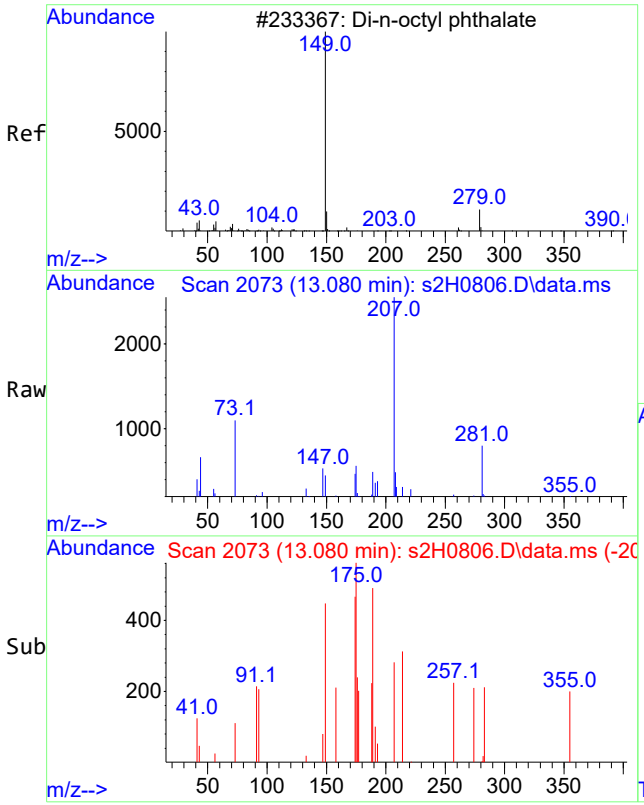


#82
bis(2-Ethylhexyl)phthalate
Concen: 0.52 ng/uL
RT: 12.133 min Scan# 1896
Delta R.T. 0.005 min
Lab File: s2H0806.D
Acq: 08 Aug 2025 16:09

Tgt Ion:149 Resp: 1052

Ion	Ratio	Lower	Upper
149	100		
167	6.3	0.0	55.3

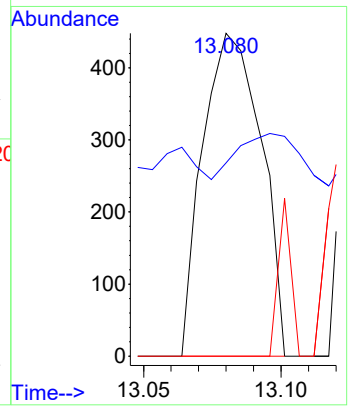




#87 BEFORE analyst DELETION
Di-n-octylphthalate
Concen: 0.49 ng/uL
RT: 13.080 min Scan# 2073
Delta R.T. -0.000 min
Lab File: s2H0806.D
Acq: 08 Aug 2025 16:09

Tgt Ion:149 Resp: 664

Ion	Ratio	Lower	Upper
149	100		
43	18.4	0.0	39.0
57	10.5	0.0	36.8



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**			**Matrix:**	**WATER**
Lab Sample ID:	**1206188054**				
Client Sample:	**QC for batch 2839580**	**Client:**	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**MB for batch 2839580**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 16:47**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0405.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	U	0.300	ug/L	0.300	1.00
87-86-5	Pentachlorophenol	U	3.00	ug/L	3.00	10.0
117-84-0	Di-n-octylphthalate	U	0.300	ug/L	0.300	1.00
122-09-8	a,a-Dimethylphenethylamine	U	3.00	ug/L	3.00	10.0
70-30-4	Hexachlorophene	U	167	ug/L	167	500

LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0405.D
Acq On : 04 Aug 2025 16:47
Operator : LL2
InstName : MSDB
Sample : |1206188054|2839582|1|SVM|1|MB|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,e]||
ALS Vial : 5 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 05 08:28:03 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.119	4.120	1.000	439750	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.520	5.520	1.000	1561501	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.258	7.257	1.000	880605	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.570	8.569	1.000	1822101	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.009	11.013	1.000	2277827	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.242	13.240	1.000	2482724	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.119	4.120	1.000	439750	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.520	5.520	1.000	1561501	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.258	7.257	1.000	880605	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.570	8.569	1.000	1822101	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.009	11.013	1.000	2277827	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.242	13.240	1.000	2482724	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.520	5.520	1.000	1561501	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.570	8.569	1.000	1822101	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.009	11.013	1.000	2277827	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.520	5.520	1.000	1561501	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.258	7.257	1.000	880605	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.570	8.569	1.000	1822101	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.009	11.013	1.000	2277827	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.520	5.520	1.000	1561501	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.242	13.240	1.000	2482724	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.863	2.864	0.695	405237	33.65	ng/uL	0.00
8) Phenol-d5	99	3.706	3.707	0.900	314907	22.63	ng/uL	0.00
23) Nitrobenzene-d5	82	4.712	4.711	0.854	276037	29.80	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.623	6.625	0.913	985403	29.28	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	7.966	7.964	1.098	460216	64.06	ng/uL	0.00
79) p-Terphenyl-d14	244	9.924	9.924	1.158	1573414	31.78	ng/uL	0.00

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	34%
8) Phenol-d5	100.000	15 - 85	23%
23) Nitrobenzene-d5	50.000	39 - 112	60%
44) 2-Fluorobiphenyl	50.000	39 - 112	59%
63) 2,4,6-Tribromophenol	100.000	37 - 132	64%
79) p-Terphenyl-d14	50.000	24 - 129	64%

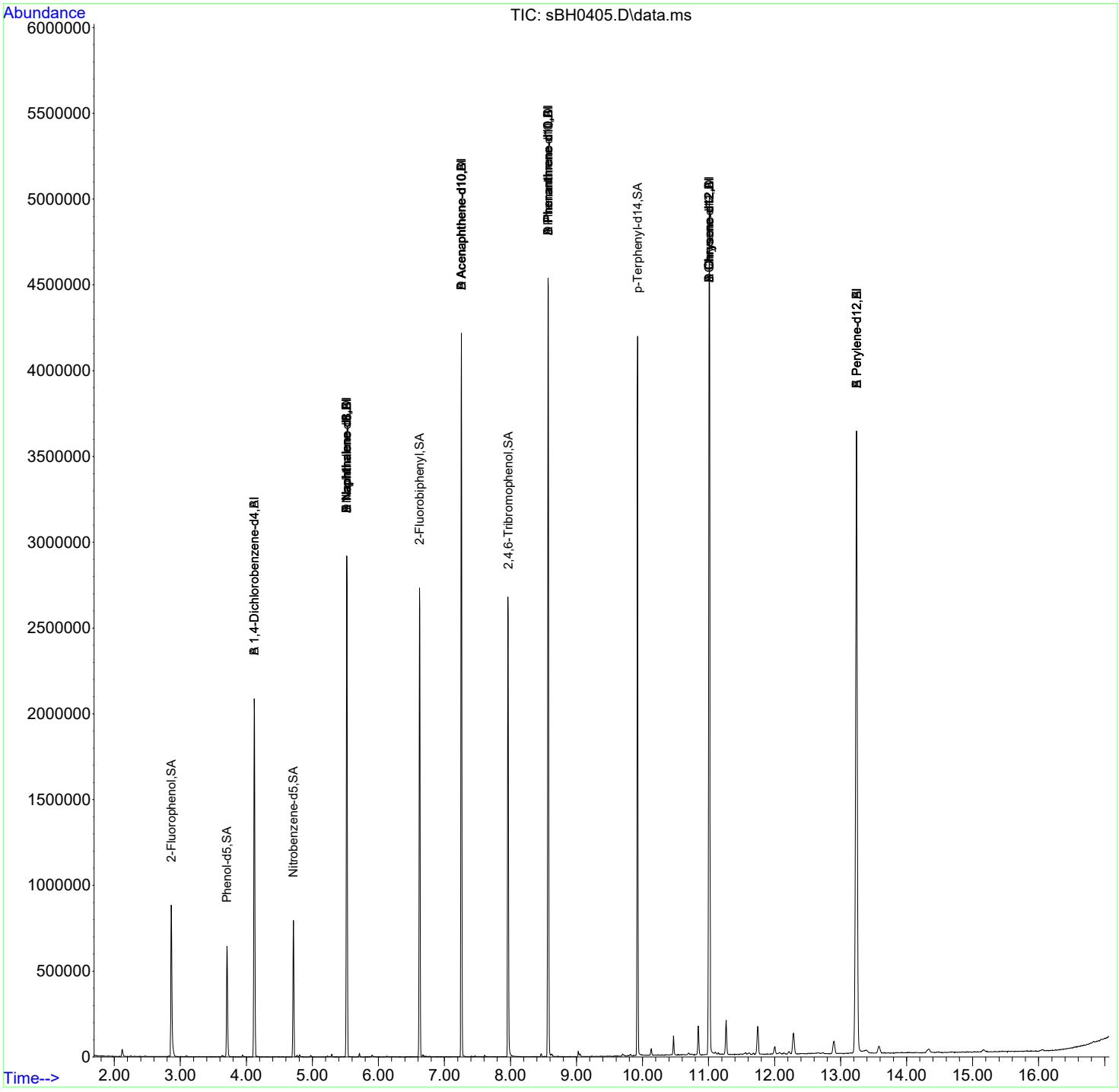
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0405.D
Acq On : 04 Aug 2025 16:47
Operator : LL2
InstName : MSDB
Sample : |1206188054|2839582|1|SVM|1|MB|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,e]||
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 08:28:03 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**			**Matrix:**	**WATER**
Lab Sample ID:	**1206195034**				
Client Sample:	**QC for batch 2843222**	**Client:**	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**LCS for batch**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2843225**	**Inst:**	**MSD2.I**	**Dilution:**	**1**
Run Date:	**08/08/2025 16:34**	**Analyst:**	**NM1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/08/2025 11:40**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**
Data File:	**s080825.s\s2H0807.D**	**Column:**	**DB-5ms**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate	J	27.7	ug/L	0.300	1.00
117-84-0	Di-n-octylphthalate		25.3	ug/L	0.300	1.00
122-09-8	a,a-Dimethylphenethylamine	U	3.00	ug/L	3.00	10.0
70-30-4	Hexachlorophene		532	ug/L	167	500

Quantitation Report
GEL Laboratories, LLC

08/11/2025

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0807.D
Acq On : 08 Aug 2025 16:34
Operator : NM1
InstName : MSD2
Sample : |1206195034|2843225|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 7 Sample Multiplier: 1

08/12/2025

Quant Time: Aug 11 16:46:50 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.848	4.848	1.000	195126	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.555	6.555	1.000	740990	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.400	8.400	1.000	377101	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.726	9.726	1.000	765010	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.171	12.171	1.000	865523	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.561	14.551	1.000	881358	40.00	ng/uL	0.01
96) B 1,4-Dichlorobenzene-d4	152	4.848	4.848	1.000	195126	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.555	6.555	1.000	740990	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.400	8.400	1.000	377101	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.726	9.726	1.000	765010	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.171	12.171	1.000	865523	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.561	14.551	1.000	887296	40.00	ng/uL	0.01
152) J Naphthalene-d8	136	6.555	6.555	1.000	740990	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.726	9.726	1.000	765010	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.171	12.171	1.000	865523	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.555	6.555	1.000	740990	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.400	8.400	1.000	377101	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.726	9.726	1.000	765010	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.171	12.171	1.000	865523	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.555	6.555	1.000	740990	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.561	14.551	1.000	887296	40.00	ng/uL	0.01
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.335	3.324	0.688	160433	27.97	ng/uL	0.01
8) Phenol-d5	99	4.335	4.330	0.894	144538	20.64	ng/uL	0.00
23) Nitrobenzene-d5	82	5.597	5.597	0.854	155267	23.59	ng/uL	0.00
44) 2-Fluorobiphenyl	172	7.747	7.747	0.922	362731	23.97	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.117	9.117	1.085	164716	52.24	ng/uL	0.00
79) p-Terphenyl-d14	244	11.063	11.064	1.137	474528	23.18	ng/uL	0.00

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	15 - 72	28%
8) Phenol-d5	100.000	15 - 85	21%
23) Nitrobenzene-d5	50.000	34 - 107	47%
44) 2-Fluorobiphenyl	50.000	35 - 107	48%
63) 2,4,6-Tribromophenol	100.000	31 - 126	52%
79) p-Terphenyl-d14	50.000	20 - 118	46%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.110	2.089	0.435	14725	5.48	ng/uL	92
3) N-Methyl-N-nitrosometh...	74	2.286	2.270	0.472	57610	16.07	ng/uL	98
4) Pyridine	79	2.334	2.319	0.481	72046	11.75	ng/uL	100
7) Aniline	93	4.420	4.421	0.912	188028	20.50	ng/uL	98
9) Phenol	94	4.351	4.346	0.897	81043	11.03	ng/uL	95
10) bis(2-Chloroethyl) ether	93	4.490	4.490	0.926	159086	26.68	ng/uL	95
11) 2-Chlorophenol	128	4.570	4.570	0.943	142460	21.90	ng/uL	100
12) n-Decane	43	4.629	4.629	0.955	96564	17.13	ng/uL	98
13) 1,3-Dichlorobenzene	146	4.779	4.774	0.986	160881	21.84	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0807.D
Acq On : 08 Aug 2025 16:34
Operator : NM1
InstName : MSD2
Sample : |1206195034|2843225|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 11 16:46:50 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
14)	1,4-Dichlorobenzene	146	4.870	4.870	1.004	166761	22.33	ng/uL	100
15)	1,2-Dichlorobenzene	146	5.073	5.073	1.046	164131	23.00	ng/uL	100
16)	bis(2-Chloro-1-methyle...	45	5.207	5.207	1.074	177429	25.54	ng/uL	97
17)	Benzyl alcohol	108	5.014	5.009	1.034	78660	20.08	ng/uL	98
18)	o-Cresol	107	5.153	5.153	1.063	100146	19.94	ng/uL	98
19)	m,p-Cresols	108	5.372	5.367	1.108	110919	19.19	ng/uL#	36
20)	N-Nitrosodipropylamine	70	5.388	5.389	1.111	113026	26.68	ng/uL	85
21)	Hexachloroethane	117	5.538	5.538	1.142	62799	21.62	ng/uL	99
24)	Nitrobenzene	77	5.624	5.624	0.858	163199	25.00	ng/uL	100
25)	Isophorone	82	5.966	5.966	0.910	293152	24.97	ng/uL	100
26)	2-Nitrophenol	139	6.068	6.068	0.926	82365	25.57	ng/uL	98
27)	2,4-Dimethylphenol	122	6.121	6.121	0.934	95400	17.08	ng/uL	98
28)	bis(2-Chloroethoxy)met...	93	6.255	6.255	0.954	208652	26.70	ng/uL	98
29)	2,4-Dichlorophenol	162	6.373	6.373	0.972	133199	23.78	ng/uL	99
30)	Benzoic acid	105	6.196	6.212	0.945	51886	19.15	ng/uL	96
31)	1,2,4-Trichlorobenzene	180	6.485	6.485	0.989	151634	23.93	ng/uL	100
32)	alpha-Terpineol	59	6.597	6.597	1.007	114617	22.97	ng/uL	98
33)	Naphthalene	128	6.581	6.581	1.004	482756	24.77	ng/uL	100
34)	4-Chloroaniline	127	6.645	6.646	1.014	211169	25.86	ng/uL	99
35)	Hexachlorobutadiene	225	6.731	6.731	1.027	87405	23.17	ng/uL	100
36)	4-Chloro-3-methylphenol	107	7.202	7.196	1.099	128539	23.91	ng/uL	98
37)	2-Methylnaphthalene	142	7.367	7.368	1.124	330462	28.47	ng/uL	100
38)	1-Methylnaphthalene	142	7.469	7.469	1.140	314695	25.97	ng/uL	99
40)	Hexachlorocyclopentadiene	237	7.533	7.533	0.897	84058	16.58	ng/uL	100
41)	2,3-Dichloroaniline	161	7.656	7.656	0.911	184271	25.52	ng/uL	100
42)	2,4,6-Trichlorophenol	196	7.662	7.656	0.912	107640	24.79	ng/uL	98
43)	2,4,5-Trichlorophenol	196	7.699	7.694	0.917	115760	25.35	ng/uL	99
45)	2-Chloronaphthalene	162	7.865	7.865	0.936	349586	27.51	ng/uL	96
46)	o-Nitroaniline	65	7.967	7.967	0.948	114731	34.76	ng/uL	81
47)	1,4-Dinitrobenzene	168	8.100	8.100	0.964	52399	27.96	ng/uL	97
48)	m-Dinitrobenzene	168	8.175	8.170	0.973	58131	27.25	ng/uL	98
49)	m-Nitroaniline	138	8.357	8.357	0.995	96488	27.08	ng/uL	97
50)	Dimethylphthalate	163	8.143	8.143	0.969	401465	27.70	ng/uL	98
51)	2,6-Dinitrotoluene	165	8.202	8.202	0.976	86748	27.70	ng/uL	98
52)	2,4-Dinitrotoluene	165	8.576	8.576	1.021	116214	27.08	ng/uL	99
53)	Acenaphthylene	152	8.266	8.266	0.984	509204	24.38	ng/uL	100
54)	Acenaphthene	153	8.432	8.432	1.004	359762	26.38	ng/uL	100
55)	2,4-Dinitrophenol	184	8.459	8.459	1.007	42456	25.40	ng/uL	98
56)	Dibenzofuran	168	8.592	8.592	1.023	477251	25.83	ng/uL	99
57)	2,3,4,6-Tetrachlorophenol	232	8.699	8.699	1.036	97076	24.57	ng/uL	100
58)	Diethylphthalate	149	8.790	8.790	1.046	410860	27.62	ng/uL	100
59)	4-Nitrophenol	109	8.523	8.507	1.015	31448	16.45	ng/uL#	70
60)	Fluorene	166	8.903	8.903	1.060	394226	26.99	ng/uL	99
61)	4-Chlorophenylphenylether	204	8.897	8.897	1.059	205675	29.47	ng/uL	99
62)	p-Nitroaniline	138	8.919	8.913	1.062	109474	30.39	ng/uL	99
65)	2-Methyl-4,6-dinitroph...	198	8.940	8.940	0.919	59532	25.06	ng/uL	95
66)	Diphenylamine	169	8.999	8.999	0.925	321671	25.95	ng/uL	99
67)	1,2-Diphenylhydrazine	77	9.036	9.036	0.929	384095	25.88	ng/uL	99
68)	4-Bromophenylphenylether	248	9.330	9.331	0.959	132957	28.57	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0807.D
Acq On : 08 Aug 2025 16:34
Operator : NM1
InstName : MSD2
Sample : |1206195034|2843225|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 11 16:46:50 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
69)	Hexachlorobenzene	284	9.389	9.389	0.965	156197	27.04	ng/uL	99
70)	Pentachlorophenol	266	9.560	9.555	0.983	93537	27.12	ng/uL	98
71)	n-Octadecane	57	9.598	9.598	0.987	205280	23.37	ng/uL	99
72)	Dinoseb	211	9.705	9.705	0.998	94835	27.16	ng/uL	98
73)	Phenanthrene	178	9.748	9.748	1.002	594135	26.97	ng/uL	99
74)	Anthracene	178	9.790	9.791	1.007	589588	26.82	ng/uL	100
75)	Carbazole	167	9.924	9.924	1.020	558309	27.78	ng/uL	100
76)	Di-n-butylphthalate	149	10.197	10.197	1.048	695964	27.88	ng/uL	100
77)	Fluoranthene	202	10.759	10.759	1.106	664350	27.92	ng/uL	99
78)	Pyrene	202	10.956	10.957	1.126	689997	27.66	ng/uL	99
81)	Butylbenzylphthalate	149	11.497	11.497	0.945	313301	28.76	ng/uL	99
82)	bis(2-Ethylhexyl)phtha...	149	12.133	12.128	0.997	436202	24.99	ng/uL	94
83)	Benzo(a)anthracene	228	12.155	12.155	0.999	666420	25.86	ng/uL	99
84)	Chrysene	228	12.203	12.203	1.003	658163	27.45	ng/uL	99
85)	Methoxychlor	227	12.037	12.037	0.989	412024	25.47	ng/uL	99
86)	Methylenebis(2-chloroa...	231	12.101	12.101	0.994	133396	26.35	ng/uL	99
87)	Di-n-octylphthalate	149	13.080	13.080	1.075	664693	25.26	ng/uL	99
89)	Benzo(b)fluoranthene	252	13.802	13.802	0.948	735728	29.40	ng/uL	97
90)	Benzo(k)fluoranthene	252	13.850	13.850	0.951	692956	26.76	ng/uL	99
91)	Benzo(a)pyrene	252	14.438	14.439	0.992	601951	25.45	ng/uL	99
92)	Indeno(1,2,3-cd)pyrene	276	17.134	17.134	1.177	629933	25.76	ng/uL	99
93)	Dibenzo(a,h)anthracene	278	17.204	17.209	1.181	633261	26.36	ng/uL	99
94)	Benzo(ghi)perylene	276	17.819	17.819	1.224	687035	26.96	ng/uL	99
95)	Dibenzo(a,e)pyrene	302	20.290	20.295	1.393	598780	26.79	ng/uL	99
97)	1,4-Dioxane	88	2.115	2.083	0.436	30645	13.29	ng/uL	98
98)	Methyl methacrylate	69	2.104	2.078	0.434	56241	18.41	ng/uL	100
99)	Ethyl methacrylate	69	2.580	2.559	0.532	100745	20.03	ng/uL	96
100)	2-Picoline	93	2.853	2.837	0.589	98815	14.82	ng/uL	99
101)	N-Nitrosomethylethylamine	88	2.917	2.901	0.602	59476	23.05	ng/uL	97
102)	Methyl methanesulfonate	80	3.174	3.164	0.655	58573	17.17	ng/uL	100
103)	N-Nitrosodiethylamine	102	3.575	3.570	0.737	64273	23.92	ng/uL	97
104)	2-Butoxyethanol	57	3.645	3.640	0.752	96865	16.70	ng/uL	100
105)	Ethyl methanesulfonate	79	3.880	3.880	0.800	115350	23.88	ng/uL	98
106)	Benzaldehyde	77	4.297	4.303	0.886	105437	21.89	ng/uL	98
107)	Pentachloroethane	167	4.495	4.495	0.927	61277	22.53	ng/uL	100
108)	N-Nitrosopyrrolidine	100	5.346	5.356	1.103	66000	22.14	ng/uL	97
109)	Acetophenone	105	5.383	5.394	1.110	227606	25.63	ng/uL	83
110)	N-Nitrosomorpholine	56	5.405	5.415	1.115	75411	25.40	ng/uL	96
111)	o-Toluidine	106	5.431	5.442	1.120	237983	23.67	ng/uL	99
113)	N-Nitrosopiperidine	114	5.838	5.849	0.891	76366	24.12	ng/uL	99
115)	2,6-Dichlorophenol	162	6.651	6.667	1.015	136369	25.31	ng/uL	99
116)	Hexachloropropene	213	6.688	6.699	1.020	103689	23.93	ng/uL	99
117)	Caprolactam	113	7.036	7.036	1.073	11557	7.61	ng/uL#	1
118)	N-Nitrosodi-n-butylamine	116	7.047	7.057	1.075	28034	24.55	ng/uL	96
119)	Safrole	162	7.277	7.287	1.110	120857	24.47	ng/uL	98
121)	1,2,4,5-Tetrachloroben...	216	7.544	7.549	0.898	165900	24.49	ng/uL	99
122)	1,1-Biphenyl	154	7.849	7.854	0.934	416196	25.09	ng/uL	98
123)	Isosafrole	162	7.811	7.822	0.930	141493	26.81	ng/uL	100
124)	1,4-Naphthoquinone	158	8.041	8.052	0.957	193572	42.18	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0807.D
Acq On : 08 Aug 2025 16:34
Operator : NM1
InstName : MSD2
Sample : |1206195034|2843225|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 11 16:46:50 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

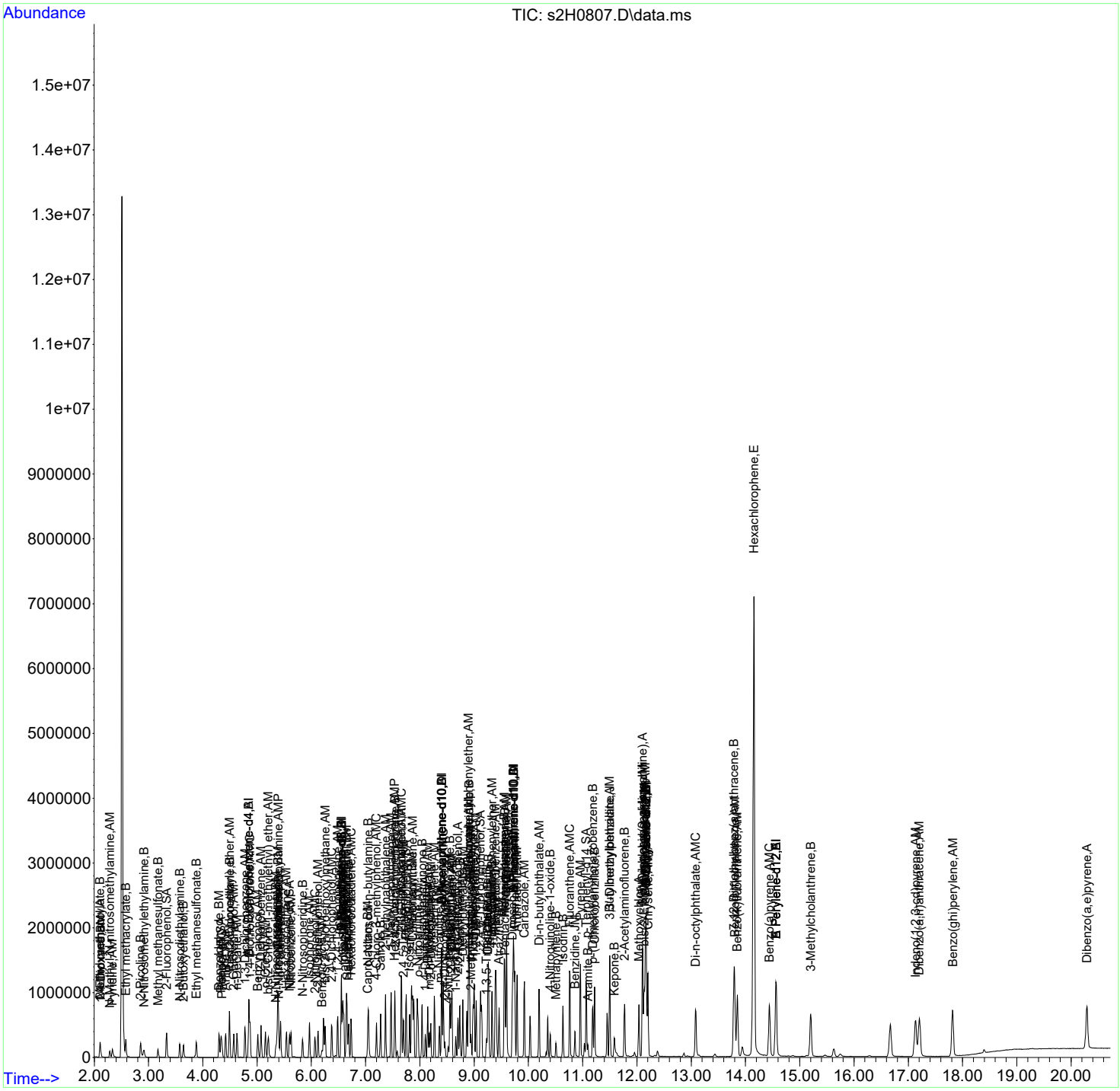
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
125) Pentachlorobenzene	250	8.555	8.566	1.018	163159	26.09	ng/uL	99
126) 1-Naphthylamine	143	8.662	8.673	1.031	120871	8.99	ng/uL	99
127) 2-Naphthylamine	143	8.737	8.748	1.040	328797	23.66	ng/uL	99
128) 5-Nitro-o-toluidine	152	8.908	8.919	1.060	104425	28.51	ng/uL#	51
129) Tributylphosphate	99	8.977	8.994	1.069	440507	25.83	ng/uL	98
131) 1,3,5-Trinitrobenzene	74	9.229	9.229	0.949	56688	29.54	ng/uL	99
132) Phenacetin	108	9.266	9.277	0.953	185296	26.24	ng/uL	99
133) Diallate	86	9.250	9.261	0.951	118462	28.38	ng/uL	96
134) Cis Diallate	86	9.250	9.261	0.951	118462	24.12	ng/uL	96
135) Trans Diallate	86	9.330	9.347	0.959	39786	4.09	ng/uL	93
136) Atrazine	200	9.459	9.475	0.973	108339	26.33	ng/uL	100
137) 4-Aminobiphenyl	169	9.555	9.566	0.982	395150	23.29	ng/uL	100
138) Pentachloronitrobenzene	237	9.571	9.577	0.984	54012	28.62	ng/uL	96
139) Pronamide	173	9.593	9.603	0.986	214034	29.80	ng/uL	99
140) 4-Nitroquinoline-1-oxide	128	10.400	10.411	1.069	25016	23.19	ng/uL	97
141) Methapyrilene	97	10.507	10.464	1.080	54633	7.02	ng/uL	99
142) Isodrin	193	10.636	10.646	1.093	62527	23.48	ng/uL	96
144) Aramite	185	11.095	11.106	0.912	20048	9.63	ng/uL	98
145) Kepone	272	11.588	11.598	0.952	50559	18.17	ng/uL	99
146) p-(Dimethylamino)azobe...	225	11.186	11.197	0.919	114778	25.91	ng/uL	98
147) Chlorobenzilate	251	11.219	11.235	0.922	221043	31.48	ng/uL	97
148) 2-Acetylaminofluorene	181	11.769	11.786	0.967	241146	26.23	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	13.786	13.818	0.947	291522	25.97	ng/uL	99
151) 3-Methylcholanthrene	269	15.203	15.246	1.044	71873	24.65	ng/uL	98
153) Sulfolane	56	6.661	6.672	1.016	42503	20.68	ng/uL	96
155) Prometon	210	9.400	9.411	0.966	96522	26.79	ng/uL#	85
156) Benzidine	184	10.860	10.871	1.117	206147	12.98	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	11.502	11.513	0.945	267495	16.22	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	12.101	12.123	0.994	281349	27.54	ng/uL	98
176) Hexachlorophene	196	14.155	14.219	0.972	1289794	531.88	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0807.D
Acq On : 08 Aug 2025 16:34
Operator : NM1
InstName : MSD2
Sample : |1206195034|2843225|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 11 16:46:50 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**			**Matrix:**	**WATER**
Lab Sample ID:	**1206188055**				
Client Sample:	**QC for batch 2839580**	**Client:**	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**LCS for batch 2839580**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 17:08**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**1000 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0406.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate		34.6	ug/L	0.300	1.00
87-86-5	Pentachlorophenol		38.8	ug/L	3.00	10.0
117-84-0	Di-n-octylphthalate		35.6	ug/L	0.300	1.00
122-09-8	a,a-Dimethylphenethylamine	U	3.00	ug/L	3.00	10.0
70-30-4	Hexachlorophene		674	ug/L	167	500

LL
08/06/2025

BAB
08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0406.D
Acq On : 04 Aug 2025 17:08
Operator : LL2
InstName : MSDB
Sample : |1206188055|2839582|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 13:51:55 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.119	4.120	1.000	436734	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.517	5.520	1.000	1571306	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.254	7.257	1.000	889171	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.569	8.569	1.000	1830709	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.011	11.013	1.000	2297207	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.249	13.240	1.000	2485335	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.119	4.120	1.000	436734	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.517	5.520	1.000	1571306	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.254	7.257	1.000	889171	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.569	8.569	1.000	1830709	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.011	11.013	1.000	2297207	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.249	13.240	1.000	2485335	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.517	5.520	1.000	1571306	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.569	8.569	1.000	1830709	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.011	11.013	1.000	2297207	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.517	5.520	1.000	1571306	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.254	7.257	1.000	889171	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.569	8.569	1.000	1830709	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.011	11.013	1.000	2297207	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.517	5.520	1.000	1571306	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.249	13.240	1.000	2485335	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.865	2.864	0.696	383962	32.11	ng/uL	0.00
8) Phenol-d5	99	3.705	3.707	0.900	335633	24.29	ng/uL	0.00
23) Nitrobenzene-d5	82	4.710	4.711	0.854	280727	30.12	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.621	6.625	0.913	998675	29.39	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	7.962	7.964	1.098	490749	67.65	ng/uL	0.00
79) p-Terphenyl-d14	244	9.918	9.924	1.157	1626719	32.70	ng/uL	0.00

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	32%
8) Phenol-d5	100.000	15 - 85	24%
23) Nitrobenzene-d5	50.000	39 - 112	60%
44) 2-Fluorobiphenyl	50.000	39 - 112	59%
63) 2,4,6-Tribromophenol	100.000	37 - 132	68%
79) p-Terphenyl-d14	50.000	24 - 129	65%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	1.746	1.742	0.424	28777	6.21	ng/uL	83
3) N-Methyl-N-nitrosometh...	74	1.913	1.916	0.464	127535	21.27	ng/uL	98
4) Pyridine	79	1.958	1.958	0.475	139216	12.37	ng/uL	98
7) Aniline	93	3.772	3.773	0.916	459400	26.15	ng/uL	99
9) Phenol	94	3.719	3.721	0.903	190378	13.37	ng/uL	96
10) bis(2-Chloroethyl) ether	93	3.827	3.828	0.929	358910	33.22	ng/uL	98
11) 2-Chlorophenol	128	3.897	3.898	0.946	372074	26.54	ng/uL	98
12) n-Decane	43	3.942	3.943	0.957	167071	22.80	ng/uL	99
13) 1,3-Dichlorobenzene	146	4.060	4.061	0.986	453495	27.75	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0406.D
Acq On : 04 Aug 2025 17:08
Operator : LL2
InstName : MSDB
Sample : |1206188055|2839582|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 13:51:55 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
14) 1,4-Dichlorobenzene	146	4.136	4.137	1.004	462861	28.08	ng/uL	99
15) 1,2-Dichlorobenzene	146	4.296	4.297	1.043	452793	28.74	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	4.401	4.401	1.068	327379	33.10	ng/uL	98
17) Benzyl alcohol	108	4.248	4.248	1.031	215957	26.81	ng/uL	99
18) o-Cresol	107	4.362	4.363	1.059	227265	23.15	ng/uL	99
19) m,p-Cresols	108	4.533	4.533	1.100	265220	22.03	ng/uL	99
20) N-Nitrosodipropylamine	70	4.543	4.540	1.103	192789	32.61	ng/uL	88
21) Hexachloroethane	117	4.669	4.669	1.133	129210	26.80	ng/uL	96
24) Nitrobenzene	77	4.731	4.732	0.858	292926	31.92	ng/uL	97
25) Isophorone	82	5.003	5.006	0.907	591817	32.57	ng/uL	100
26) 2-Nitrophenol	139	5.093	5.093	0.923	227444	32.87	ng/uL	100
27) 2,4-Dimethylphenol	122	5.138	5.138	0.931	241866	20.62	ng/uL	97
28) bis(2-Chloroethoxy)met...	93	5.250	5.249	0.951	445998	33.07	ng/uL	99
29) 2,4-Dichlorophenol	162	5.361	5.360	0.972	373209	30.30	ng/uL	99
30) Benzoic acid	105	5.218	5.218	0.946	183665	29.11	ng/uL	98
31) 1,2,4-Trichlorobenzene	180	5.455	5.457	0.989	431646	30.72	ng/uL	98
32) alpha-Terpineol	59	5.552	5.555	1.006	195350	31.64	ng/uL	98
33) Naphthalene	128	5.542	5.544	1.004	1232305	30.85	ng/uL	100
34) 4-Chloroaniline	127	5.598	5.597	1.015	565937	33.86	ng/uL	100
35) Hexachlorobutadiene	225	5.678	5.680	1.029	219649	29.11	ng/uL	98
36) 4-Chloro-3-methylphenol	107	6.109	6.107	1.107	313348	29.93	ng/uL	98
37) 2-Methylnaphthalene	142	6.262	6.263	1.135	903773	35.29	ng/uL	98
38) 1-Methylnaphthalene	142	6.359	6.361	1.153	847852	31.83	ng/uL	99
40) Hexachlorocyclopentadiene	237	6.419	6.420	0.885	227923	22.01	ng/uL	99
41) 2,3-Dichloroaniline	161	6.537	6.538	0.901	513365	32.41	ng/uL	100
42) 2,4,6-Trichlorophenol	196	6.537	6.538	0.901	323584	33.84	ng/uL	97
43) 2,4,5-Trichlorophenol	196	6.575	6.576	0.906	347018	33.67	ng/uL	99
45) 2-Chloronaphthalene	162	6.736	6.736	0.929	935770	33.40	ng/uL	98
46) o-Nitroaniline	138	6.833	6.833	0.942	316359	36.50	ng/uL	96
47) 1,4-Dinitrobenzene	168	6.962	6.962	0.960	154110	36.86	ng/uL	94
48) m-Dinitrobenzene	168	7.031	7.031	0.969	172570	35.87	ng/uL	94
49) m-Nitroaniline	138	7.216	7.216	0.995	280876	35.79	ng/uL	99
50) Dimethylphthalate	163	7.007	7.007	0.966	1081334	34.55	ng/uL	99
51) 2,6-Dinitrotoluene	165	7.059	7.059	0.973	247313	35.69	ng/uL	98
52) 2,4-Dinitrotoluene	165	7.425	7.428	1.024	339475	35.65	ng/uL	91
53) Acenaphthylene	152	7.125	7.125	0.982	1372535	29.93	ng/uL	100
54) Acenaphthene	154	7.285	7.285	1.004	857200	31.27	ng/uL	95
55) 2,4-Dinitrophenol	184	7.310	7.310	1.008	145143	37.97	ng/uL	97
56) Dibenzofuran	168	7.442	7.442	1.026	1376073	33.33	ng/uL	100
57) 2,3,4,6-Tetrachlorophenol	232	7.550	7.553	1.041	313544	34.22	ng/uL	99
58) Diethylphthalate	149	7.644	7.644	1.054	1047294	35.73	ng/uL	100
59) 4-Nitrophenol	109	7.386	7.372	1.018	47532	22.77	ng/uL#	77
60) Fluorene	166	7.749	7.751	1.068	1142093	34.87	ng/uL	98
61) 4-Chlorophenylphenylether	204	7.745	7.748	1.068	607566	36.76	ng/uL	98
62) p-Nitroaniline	138	7.766	7.765	1.071	302303	39.99	ng/uL	98
65) 2-Methyl-4,6-dinitroph...	198	7.787	7.790	0.909	198448	36.96	ng/uL	97
66) Diphenylamine	169	7.850	7.853	0.916	1002594	34.11	ng/uL	98
67) 1,2-Diphenylhydrazine	77	7.885	7.887	0.920	652221	32.65	ng/uL	98
68) 4-Bromophenylphenylether	248	8.175	8.179	0.954	415155	36.64	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0406.D
Acq On : 04 Aug 2025 17:08
Operator : LL2
InstName : MSDB
Sample : |1206188055|2839582|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 13:51:55 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
69)	Hexachlorobenzene	284	8.230	8.231	0.960	470822	33.94	ng/uL	99
70)	Pentachlorophenol	266	8.405	8.402	0.981	336448	38.78	ng/uL	99
71)	n-Octadecane	57	8.461	8.464	0.987	406088	30.75	ng/uL	99
72)	Dinoseb	211	8.555	8.555	0.998	313691	38.31	ng/uL	98
73)	Phenanthrene	178	8.590	8.590	1.002	1747140	34.38	ng/uL	100
74)	Anthracene	178	8.635	8.635	1.008	1782664	35.01	ng/uL	99
75)	Carbazole	167	8.771	8.771	1.024	1707281	37.21	ng/uL	100
76)	Di-n-butylphthalate	149	9.053	9.056	1.057	1956997	38.72	ng/uL	100
77)	Fluoranthene	202	9.607	9.608	1.121	2093104	36.52	ng/uL	99
78)	Pyrene	202	9.799	9.802	1.144	2214505	37.68	ng/uL	98
81)	Butylbenzylphthalate	149	10.364	10.366	0.941	903473	38.95	ng/uL	97
82)	bis(2-Ethylhexyl)phtha...	149	11.004	11.010	0.999	1298935	35.08	ng/uL	99
83)	Benzo(a)anthracene	228	10.997	10.999	0.999	2210328	33.06	ng/uL	100
84)	Chrysene	228	11.039	11.045	1.003	2127437	34.13	ng/uL	99
85)	Methoxychlor	227	10.898	10.905	0.990	1339249	35.83	ng/uL	100
86)	Methylenebis(2-chloroa...	231	10.958	10.961	0.995	445478	34.30	ng/uL	99
87)	Di-n-octylphthalate	149	11.932	11.939	1.084	2197724	35.61	ng/uL	100
89)	Benzo(b)fluoranthene	252	12.560	12.561	0.948	2595003	36.87	ng/uL	97
90)	Benzo(k)fluoranthene	252	12.605	12.610	0.951	2337711	32.78	ng/uL	99
91)	Benzo(a)pyrene	252	13.136	13.136	0.992	2150747	32.32	ng/uL	98
92)	Indeno(1,2,3-cd)pyrene	276	15.400	15.404	1.162	2384433	33.29	ng/uL	98
93)	Dibenzo(a,h)anthracene	278	15.460	15.467	1.167	2372456	32.86	ng/uL	99
94)	Benzo(ghi)perylene	276	15.976	15.983	1.206	2463746	33.84	ng/uL	97
97)	1,4-Dioxane	88	1.749	1.776	0.425	76252	16.53	ng/uL	94
98)	Methyl methacrylate	69	1.742	1.773	0.423	119083	23.18	ng/uL	99
99)	Ethyl methacrylate	69	2.191	2.221	0.532	196733	24.75	ng/uL	98
100)	2-Picoline	93	2.437	2.463	0.592	187791	14.40	ng/uL	99
101)	N-Nitrosomethylethylamine	88	2.493	2.522	0.605	122383	26.28	ng/uL	95
102)	Methyl methanesulfonate	80	2.723	2.754	0.661	93991	21.32	ng/uL	96
103)	N-Nitrosodiethylamine	102	3.070	3.101	0.745	143606	29.10	ng/uL	100
104)	2-Butoxyethanol	57	3.129	3.157	0.760	194435	22.42	ng/uL	100
105)	Ethyl methanesulfonate	79	3.327	3.357	0.808	212525	28.82	ng/uL	96
106)	Benzaldehyde	77	3.674	3.707	0.892	211954	29.11	ng/uL	100
107)	Pentachloroethane	167	3.831	3.865	0.930	154106	27.86	ng/uL	99
108)	N-Nitrosopyrrolidine	100	4.512	4.548	1.095	116144	23.59	ng/uL	98
109)	Acetophenone	105	4.543	4.579	1.103	496057	29.97	ng/uL	99
110)	N-Nitrosomorpholine	56	4.557	4.593	1.106	97625	30.52	ng/uL	90
111)	o-Toluidine	106	4.582	4.618	1.112	553069	28.72	ng/uL	99
113)	N-Nitrosopiperidine	114	4.898	4.917	0.888	179223	28.96	ng/uL	99
115)	2,6-Dichlorophenol	162	5.608	5.629	1.016	357100	29.75	ng/uL	99
116)	Hexachloropropene	213	5.639	5.661	1.022	233179	30.02	ng/uL	98
117)	Caprolactam	113	5.949	5.961	1.078	30784	9.66	ng/uL#	71
118)	N-Nitrosodi-n-butylamine	116	5.959	5.981	1.080	66748	30.41	ng/uL	98
119)	Safrole	162	6.175	6.198	1.119	340419	29.45	ng/uL	100
121)	1,2,4,5-Tetrachloroben...	216	6.426	6.441	0.886	439655	29.09	ng/uL	100
122)	1,1-Biphenyl	154	6.718	6.733	0.926	1080558	30.05	ng/uL	99
123)	Isosafrole	162	6.683	6.698	0.921	407696	32.90	ng/uL	100
124)	1,4-Naphthoquinone	158	6.903	6.915	0.952	366593	36.40	ng/uL	98
125)	Pentachlorobenzene	250	7.404	7.420	1.021	450278	30.89	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0406.D
Acq On : 04 Aug 2025 17:08
Operator : LL2
InstName : MSDB
Sample : |1206188055|2839582|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 13:51:55 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

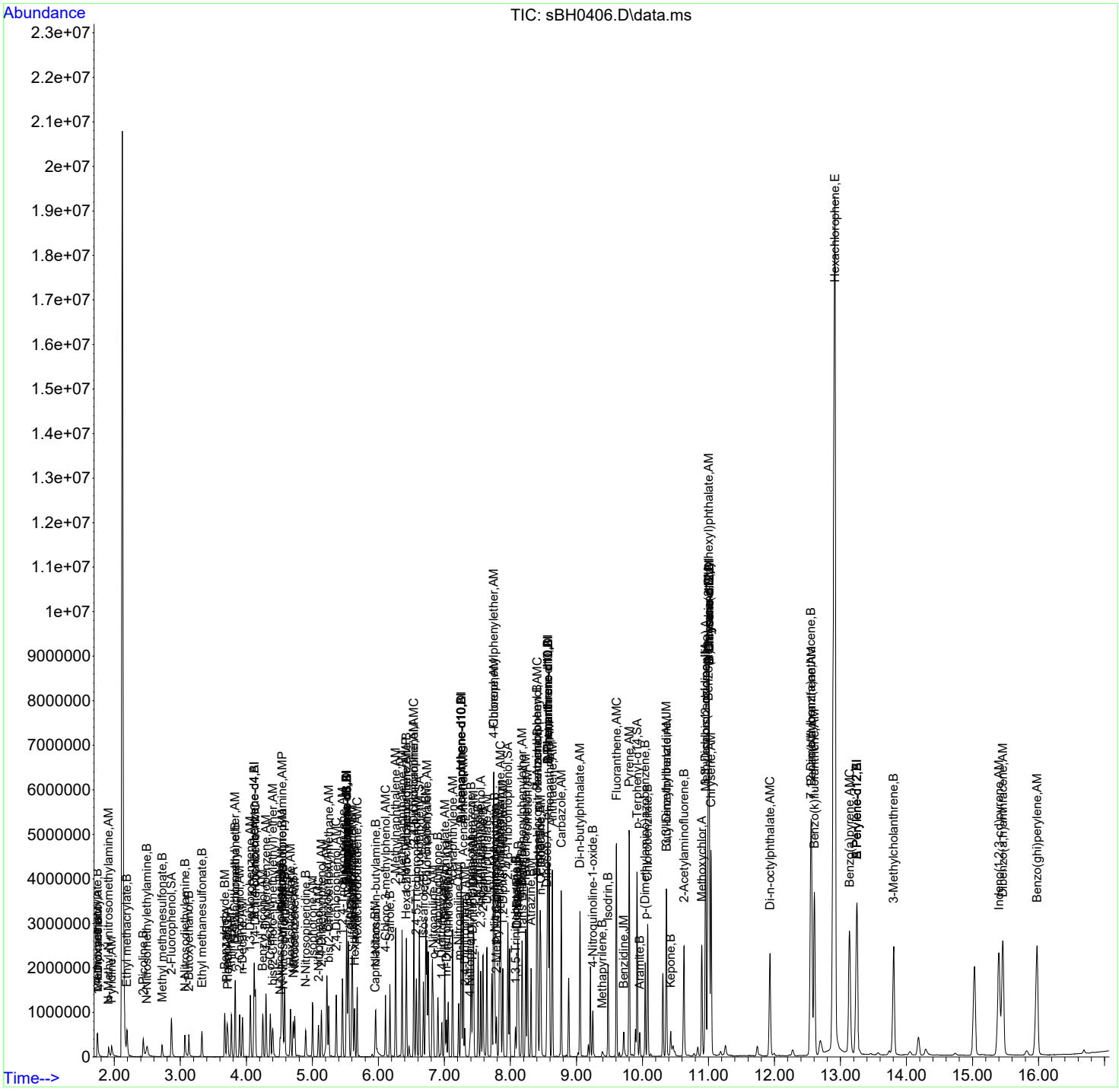
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
126) 1-Naphthylamine	143	7.512	7.528	1.036	857913	29.59	ng/uL	98
127) 2-Naphthylamine	143	7.585	7.601	1.046	892834	29.66	ng/uL	100
128) 5-Nitro-o-toluidine	152	7.759	7.775	1.070	300891	35.50	ng/uL	98
129) Tributylphosphate	99	7.833	7.852	1.080	1017797	34.58	ng/uL	99
131) 1,3,5-Trinitrobenzene	74	8.077	8.084	0.943	77966	37.80	ng/uL	94
132) Phenacetin	108	8.122	8.133	0.948	411186	33.42	ng/uL	98
133) Diallate	86	8.101	8.115	0.945	238565	33.44	ng/uL	95
134) Cis Diallate	86	8.101	8.115	0.945	238565	28.42	ng/uL	95
135) Trans Diallate	86	8.181	8.196	0.955	78724	4.72	ng/uL	96
136) Atrazine	200	8.311	8.328	0.970	286699	30.17	ng/uL	99
137) 4-Aminobiphenyl	169	8.401	8.416	0.980	1177379	31.00	ng/uL	100
138) Pentachloronitrobenzene	237	8.412	8.426	0.982	119685	35.99	ng/uL	96
139) Pronamide	173	8.447	8.465	0.986	547076	36.91	ng/uL	99
140) 4-Nitroquinoline-1-oxide	160	9.249	9.266	1.079	71489	42.57	ng/uL#	60
141) Methapyrilene	58	9.391	9.329	1.096	45483	3.88	ng/uL	98
142) Isodrin	193	9.478	9.499	1.106	172342	29.41	ng/uL	98
144) Aramite	185	9.960	9.990	0.905	76829	11.55	ng/uL	98
145) Kepone	272	10.427	10.462	0.947	116830	18.67	ng/uL	99
146) p-(Dimethylamino)azobe...	120	10.040	10.074	0.912	401806	31.69	ng/uL	94
147) Chlorobenzilate	251	10.078	10.113	0.915	678575	36.99	ng/uL	97
148) 2-Acetylaminofluorene	181	10.630	10.658	0.965	818563	34.86	ng/uL	98
150) 7,12-Dimethylbenz(a)an...	256	12.549	12.600	0.947	1001673	30.27	ng/uL	100
151) 3-Methylcholanthrene	269	13.805	13.862	1.042	242617	28.55	ng/uL	99
153) Sulfolane	56	5.612	5.633	1.017	61671	25.62	ng/uL	96
155) Prometon	210	8.258	8.272	0.964	309395	35.69	ng/uL	96
156) Benzidine	184	9.715	9.737	1.134	299216	9.51	ng/uL	98
158) 3,3'-Dimethylbenzidine	212	10.361	10.392	0.941	529654	13.14	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	10.954	10.990	0.995	913584	34.76	ng/uL	99
176) Hexachlorophene	196	12.915	12.944	0.975	4148321	673.63	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0406.D
Acq On : 04 Aug 2025 17:08
Operator : LL2
InstName : MSDB
Sample : |1206188055|2839582|1|SVM|1|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 13:51:55 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**08/04/2025 09:10**	**Matrix:**	**W**
Lab Sample ID:	**1206195037**	**Date Received:**	**08/06/2025 10:10**		
Client Sample:	**QC for batch 2843222**	**Client:**	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**WST48-25-372955MS**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2843225**	**Inst:**	**MSD2.I**	**Dilution:**	**1**
Run Date:	**08/08/2025 19:56**	**Analyst:**	**NM1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/08/2025 11:40**	**Aliquot:**	**325 mL**	**Final Volume:**	**1 mL**
Data File:	**s080825.s\s2H0815.D**	**Column:**	**DB-5ms**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate		114	ug/L	0.923	3.08
117-84-0	Di-n-octylphthalate		121	ug/L	0.923	3.08
122-09-8	a,a-Dimethylphenethylamine	J	16.8	ug/L	9.23	30.8
70-30-4	Hexachlorophene		1740	ug/L	514	1540

Quantitation Report
GEL Laboratories, LLC

08/11/2025

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0815.D
Acq On : 08 Aug 2025 19:56
Operator : NM1
InstName : MSD2
Sample : |1206195037|2843225|1|SVM|1|MS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 15 Sample Multiplier: 1

08/12/2025

Quant Time: Aug 11 16:52:24 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards									
1)	A 1,4-Dichlorobenzene-d4	152	4.854	4.848	1.000	209993	40.00	ng/uL	0.00
22)	A Naphthalene-d8	136	6.560	6.555	1.000	825295	40.00	ng/uL	0.00
39)	A Acenaphthene-d10	164	8.405	8.400	1.000	418114	40.00	ng/uL	0.00
64)	A Phenanthrene-d10	188	9.732	9.726	1.000	837152	40.00	ng/uL	0.00
80)	A Chrysene-d12	240	12.176	12.171	1.000	931529	40.00	ng/uL	0.00
88)	A Perylene-d12	264	14.578	14.551	1.000	947736	40.00	ng/uL	0.03
96)	B 1,4-Dichlorobenzene-d4	152	4.854	4.848	1.000	209993	40.00	ng/uL	0.00
112)	B Naphthalene-d8	136	6.560	6.555	1.000	825295	40.00	ng/uL	0.00
120)	B Acenaphthene-d10	164	8.405	8.400	1.000	418114	40.00	ng/uL	0.00
130)	B Phenanthrene-d10	188	9.732	9.726	1.000	837152	40.00	ng/uL	0.00
143)	B Chrysene-d12	240	12.176	12.171	1.000	931529	40.00	ng/uL	0.00
149)	B Perylene-d12	264	14.578	14.551	1.000	954133	40.00	ng/uL	0.03
152)	J Naphthalene-d8	136	6.560	6.555	1.000	825295	40.00	ng/uL	0.00
154)	J Phenanthrene-d10	188	9.732	9.726	1.000	837152	40.00	ng/uL	0.00
157)	J Chrysene-d12	240	12.176	12.171	1.000	931529	40.00	ng/uL	0.00
160)	D Naphthalene-d8	136	6.560	6.555	1.000	825295	40.00	ng/uL	0.00
162)	D Acenaphthene-d10	164	8.405	8.400	1.000	418114	40.00	ng/uL	0.00
164)	D Phenanthrene-d10	188	9.732	9.726	1.000	837152	40.00	ng/uL	0.00
171)	D Chrysene-d12	240	12.176	12.171	1.000	931529	40.00	ng/uL	0.00
173)	E Naphthalene-d8	136	6.560	6.555	1.000	825295	40.00	ng/uL	0.00
175)	E Perylene-d12	264	14.578	14.551	1.000	954133	40.00	ng/uL	0.03
System Monitoring Compounds									Dev(Min)
5)	2-Fluorophenol	112	3.345	3.324	0.689	370661	60.05	ng/uL	0.02
8)	Phenol-d5	99	4.356	4.330	0.898	427591	56.72	ng/uL	0.03
23)	Nitrobenzene-d5	82	5.608	5.597	0.855	242937	33.14	ng/uL	0.01
44)	2-Fluorobiphenyl	172	7.753	7.747	0.922	509551	30.37	ng/uL	0.00
63)	2,4,6-Tribromophenol	330	9.127	9.117	1.086	246517	70.51	ng/uL	0.01
79)	p-Terphenyl-d14	244	11.069	11.064	1.137	727332	32.47	ng/uL	0.00

	Compound	Amount	Range	Recovery
5)	2-Fluorophenol	100.000	15 - 72	60%
8)	Phenol-d5	100.000	15 - 85	57%
23)	Nitrobenzene-d5	50.000	34 - 107	66%
44)	2-Fluorobiphenyl	50.000	35 - 107	61%
63)	2,4,6-Tribromophenol	100.000	31 - 126	71%
79)	p-Terphenyl-d14	50.000	20 - 118	65%

	Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2)	2-Ethoxyethanol	59	2.110	2.089	0.435	40761	14.11	ng/uL	90
3)	N-Methyl-N-nitrosometh...	74	2.286	2.270	0.471	129662	33.61	ng/uL	100
4)	Pyridine	79	2.340	2.319	0.482	167289	25.36	ng/uL	100
7)	Aniline	93	4.431	4.421	0.913	323262	32.75	ng/uL	99
9)	Phenol	94	4.372	4.346	0.901	234997	29.73	ng/uL	95
10)	bis(2-Chloroethyl) ether	93	4.495	4.490	0.926	245923	38.32	ng/uL	95
11)	2-Chlorophenol	128	4.581	4.570	0.944	248459	35.49	ng/uL	100
12)	n-Decane	43	4.634	4.629	0.955	137934	22.73	ng/uL	98
13)	1,3-Dichlorobenzene	146	4.779	4.774	0.985	227759	28.73	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0815.D
Acq On : 08 Aug 2025 19:56
Operator : NM1
InstName : MSD2
Sample : |1206195037|2843225|1|SVM|1|MS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 11 16:52:24 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
14)	1,4-Dichlorobenzene	146	4.875	4.870	1.004	236892	29.47	ng/uL	99
15)	1,2-Dichlorobenzene	146	5.078	5.073	1.046	235121	30.62	ng/uL	99
16)	bis(2-Chloro-1-methyle...	45	5.212	5.207	1.074	276183	36.94	ng/uL	99
17)	Benzyl alcohol	108	5.025	5.009	1.035	149334	35.43	ng/uL	100
18)	o-Cresol	107	5.175	5.153	1.066	189051	34.97	ng/uL	99
19)	m,p-Cresols	108	5.394	5.367	1.111	227570	36.58	ng/uL#	53
20)	N-Nitrosodipropylamine	70	5.399	5.389	1.112	176477	38.71	ng/uL	81
21)	Hexachloroethane	117	5.544	5.538	1.142	85228	27.26	ng/uL	99
24)	Nitrobenzene	77	5.635	5.624	0.859	254512	35.00	ng/uL	99
25)	Isophorone	82	5.977	5.966	0.911	460481	35.22	ng/uL	99
26)	2-Nitrophenol	139	6.073	6.068	0.926	134589	37.51	ng/uL	99
27)	2,4-Dimethylphenol	122	6.137	6.121	0.936	160025	25.72	ng/uL	100
28)	bis(2-Chloroethoxy)met...	93	6.260	6.255	0.954	317258	36.45	ng/uL	98
29)	2,4-Dichlorophenol	162	6.389	6.373	0.974	221752	35.55	ng/uL	99
30)	Benzoic acid	105	6.244	6.212	0.952	23196	12.51	ng/uL	85
31)	1,2,4-Trichlorobenzene	180	6.490	6.485	0.989	217673	30.84	ng/uL	100
32)	alpha-Terpineol	59	6.603	6.597	1.007	185223	33.33	ng/uL	98
33)	Naphthalene	128	6.587	6.581	1.004	716778	33.02	ng/uL	100
34)	4-Chloroaniline	127	6.656	6.646	1.015	335821	36.92	ng/uL	98
35)	Hexachlorobutadiene	225	6.737	6.731	1.027	122649	29.19	ng/uL	99
36)	4-Chloro-3-methylphenol	107	7.223	7.196	1.101	199422	33.31	ng/uL	99
37)	2-Methylnaphthalene	142	7.373	7.368	1.124	489200	37.84	ng/uL	99
38)	1-Methylnaphthalene	142	7.475	7.469	1.139	462419	34.26	ng/uL	100
40)	Hexachlorocyclopentadiene	237	7.539	7.533	0.897	115882	20.62	ng/uL	98
41)	2,3-Dichloroaniline	161	7.667	7.656	0.912	280722	35.07	ng/uL	100
42)	2,4,6-Trichlorophenol	196	7.673	7.656	0.913	161708	33.59	ng/uL	98
43)	2,4,5-Trichlorophenol	196	7.715	7.694	0.918	178902	35.34	ng/uL	99
45)	2-Chloronaphthalene	162	7.870	7.865	0.936	508998	36.13	ng/uL	96
46)	o-Nitroaniline	65	7.977	7.967	0.949	146487	40.03	ng/uL	98
47)	1,4-Dinitrobenzene	168	8.111	8.100	0.965	82033	39.48	ng/uL	95
48)	m-Dinitrobenzene	168	8.186	8.170	0.974	93255	39.43	ng/uL	93
49)	m-Nitroaniline	138	8.373	8.357	0.996	153983	38.98	ng/uL	96
50)	Dimethylphthalate	163	8.154	8.143	0.970	595421	37.05	ng/uL	98
51)	2,6-Dinitrotoluene	165	8.213	8.202	0.977	131699	37.93	ng/uL	98
52)	2,4-Dinitrotoluene	165	8.587	8.576	1.022	176338	37.06	ng/uL	98
53)	Acenaphthylene	152	8.272	8.266	0.984	764522	33.02	ng/uL	100
54)	Acenaphthene	153	8.437	8.432	1.004	530782	35.11	ng/uL	99
55)	2,4-Dinitrophenol	184	8.475	8.459	1.008	63691	32.81	ng/uL	98
56)	Dibenzofuran	168	8.598	8.592	1.023	702290	34.28	ng/uL	98
57)	2,3,4,6-Tetrachlorophenol	232	8.716	8.699	1.037	149668	34.17	ng/uL	99
58)	Diethylphthalate	149	8.801	8.790	1.047	628850	38.12	ng/uL	100
59)	4-Nitrophenol	109	8.555	8.507	1.018	77957	36.77	ng/uL	93
60)	Fluorene	166	8.908	8.903	1.060	578666	35.73	ng/uL	100
61)	4-Chlorophenylphenylether	204	8.903	8.897	1.059	295149	38.15	ng/uL	99
62)	p-Nitroaniline	138	8.935	8.913	1.063	172926	43.30	ng/uL	94
65)	2-Methyl-4,6-dinitroph...	198	8.951	8.940	0.920	91855	35.33	ng/uL	96
66)	Diphenylamine	169	9.010	8.999	0.926	494349	36.44	ng/uL	99
67)	1,2-Diphenylhydrazine	77	9.042	9.036	0.929	576354	35.48	ng/uL	99
68)	4-Bromophenylphenylether	248	9.336	9.331	0.959	194018	38.10	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0815.D
Acq On : 08 Aug 2025 19:56
Operator : NM1
InstName : MSD2
Sample : |1206195037|2843225|1|SVM|1|MS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 11 16:52:24 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
69)	Hexachlorobenzene	284	9.395	9.389	0.965	221297	35.01	ng/uL	99
70)	Pentachlorophenol	266	9.571	9.555	0.984	133123	35.28	ng/uL	100
71)	n-Octadecane	57	9.603	9.598	0.987	319707	33.27	ng/uL	99
72)	Dinoseb	211	9.710	9.705	0.998	144878	37.92	ng/uL	99
73)	Phenanthrene	178	9.753	9.748	1.002	854771	35.46	ng/uL	100
74)	Anthracene	178	9.796	9.791	1.007	865592	35.98	ng/uL	99
75)	Carbazole	167	9.935	9.924	1.021	823948	37.46	ng/uL	99
76)	Di-n-butylphthalate	149	10.202	10.197	1.048	1060660	38.83	ng/uL	100
77)	Fluoranthene	202	10.769	10.759	1.107	960494	36.88	ng/uL	99
78)	Pyrene	202	10.962	10.957	1.126	997534	36.54	ng/uL	100
81)	Butylbenzylphthalate	149	11.507	11.497	0.945	479007	40.70	ng/uL	98
82)	bis(2-Ethylhexyl)phtha...	149	12.139	12.128	0.997	695874	36.83	ng/uL	94
83)	Benzo(a)anthracene	228	12.165	12.155	0.999	987094	35.59	ng/uL	99
84)	Chrysene	228	12.208	12.203	1.003	950344	36.83	ng/uL	100
85)	Methoxychlor	227	12.042	12.037	0.989	578273	33.21	ng/uL	100
86)	Methylenebis(2-chloroa...	231	12.112	12.101	0.995	189191	34.72	ng/uL	99
87)	Di-n-octylphthalate	149	13.091	13.080	1.075	1124736	39.45	ng/uL	99
89)	Benzo(b)fluoranthene	252	13.818	13.802	0.948	1090751	40.53	ng/uL	97
90)	Benzo(k)fluoranthene	252	13.866	13.850	0.951	1046622	37.59	ng/uL	100
91)	Benzo(a)pyrene	252	14.460	14.439	0.992	907577	35.68	ng/uL	99
92)	Indeno(1,2,3-cd)pyrene	276	17.166	17.134	1.178	999819	38.03	ng/uL	100
93)	Dibenzo(a,h)anthracene	278	17.236	17.209	1.182	966368	37.42	ng/uL	99
94)	Benzo(ghi)perylene	276	17.840	17.819	1.224	1037890	37.88	ng/uL	100
95)	Dibenzo(a,e)pyrene	302	20.317	20.295	1.394	915188	38.08	ng/uL	100
97)	1,4-Dioxane	88	2.115	2.083	0.436	66915	26.96	ng/uL	99
98)	Methyl methacrylate	69	2.105	2.078	0.434	84240	25.63	ng/uL	99
99)	Ethyl methacrylate	69	2.586	2.559	0.533	152205	28.12	ng/uL	97
100)	2-Picoline	93	2.859	2.837	0.589	197361	27.50	ng/uL	100
101)	N-Nitrosomethylethylamine	88	2.923	2.901	0.602	96529	34.76	ng/uL	95
102)	Methyl methanesulfonate	80	3.180	3.164	0.655	106774	29.09	ng/uL	99
103)	N-Nitrosodiethylamine	102	3.581	3.570	0.738	101889	35.24	ng/uL	98
104)	2-Butoxyethanol	57	3.650	3.640	0.752	190323	30.49	ng/uL	100
105)	Ethyl methanesulfonate	79	3.891	3.880	0.802	177907	34.22	ng/uL	99
106)	Benzaldehyde	77	4.308	4.303	0.888	43647	8.42	ng/uL	99
107)	Pentachloroethane	167	4.495	4.495	0.926	88138	30.11	ng/uL	100
108)	N-Nitrosopyrrolidine	100	5.362	5.356	1.105	114674	35.74	ng/uL	98
109)	Acetophenone	105	5.394	5.394	1.111	343056	35.90	ng/uL	76
110)	N-Nitrosomorpholine	56	5.415	5.415	1.116	130599	40.87	ng/uL	94
111)	o-Toluidine	106	5.442	5.442	1.121	377428	34.88	ng/uL	99
113)	N-Nitrosopiperidine	114	5.849	5.849	0.892	120346	34.13	ng/uL	97
114)	a,a-Dimethylphenethyla...	58	6.507	6.362	0.992	81658	5.47	ng/uL	76
115)	2,6-Dichlorophenol	162	6.662	6.667	1.015	213177	35.53	ng/uL	100
116)	Hexachloropropene	213	6.688	6.699	1.020	146825	30.43	ng/uL	98
117)	Caprolactam	113	7.068	7.036	1.077	43350	25.65	ng/uL#	28
118)	N-Nitrosodi-n-butylamine	116	7.057	7.057	1.076	42523	33.43	ng/uL	100
119)	Safrole	162	7.282	7.287	1.110	182734	33.22	ng/uL	99
121)	1,2,4,5-Tetrachloroben...	216	7.550	7.549	0.898	240586	32.03	ng/uL	100
122)	1,1-Biphenyl	154	7.854	7.854	0.934	607924	33.05	ng/uL	98
123)	Isosafrole	162	7.817	7.822	0.930	214660	36.68	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0815.D
Acq On : 08 Aug 2025 19:56
Operator : NM1
InstName : MSD2
Sample : |1206195037|2843225|1|SVM|1|MS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 11 16:52:24 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

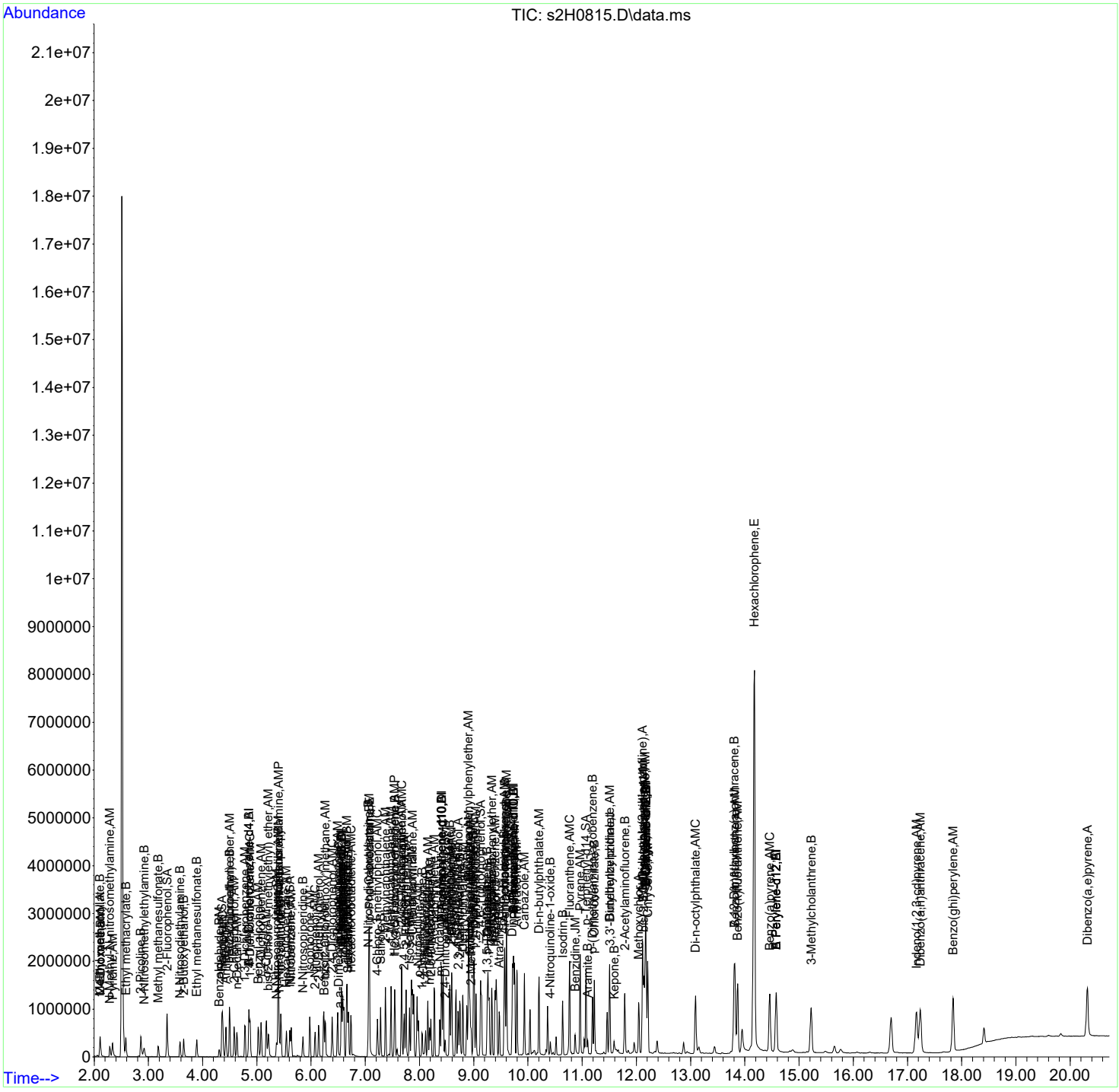
	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
124)	1,4-Naphthoquinone	158	8.047	8.052	0.957	132035	25.95	ng/uL	98
125)	Pentachlorobenzene	250	8.560	8.566	1.018	236469	34.10	ng/uL	99
126)	1-Naphthylamine	143	8.673	8.673	1.032	477435	32.02	ng/uL	99
127)	2-Naphthylamine	143	8.742	8.748	1.040	483880	31.41	ng/uL	99
128)	5-Nitro-o-toluidine	152	8.924	8.919	1.062	154202	37.97	ng/uL	88
129)	Tributylphosphate	99	8.994	8.994	1.070	701754	37.12	ng/uL	98
131)	1,3,5-Trinitrobenzene	74	9.245	9.229	0.950	95564	45.50	ng/uL	90
132)	Phenacetin	108	9.282	9.277	0.954	283332	36.67	ng/uL	98
133)	Diallate	86	9.256	9.261	0.951	171396	37.52	ng/uL#	73
134)	Cis Diallate	86	9.256	9.261	0.951	171396	31.90	ng/uL#	73
135)	Trans Diallate	86	9.336	9.347	0.959	57011	5.35	ng/uL	94
136)	Atrazine	200	9.470	9.475	0.973	133880	29.73	ng/uL	100
137)	4-Aminobiphenyl	169	9.561	9.566	0.982	584444	31.48	ng/uL	98
138)	Pentachloronitrobenzene	237	9.577	9.577	0.984	77123	37.34	ng/uL	96
139)	Pronamide	173	9.603	9.603	0.987	305728	38.90	ng/uL	99
140)	4-Nitroquinoline-1-oxide	128	10.411	10.411	1.070	15149	12.83	ng/uL	83
142)	Isodrin	193	10.641	10.646	1.093	89838	30.83	ng/uL	97
144)	Aramite	185	11.101	11.106	0.912	30470	13.60	ng/uL	98
145)	Kepone	272	11.593	11.598	0.952	41402	13.83	ng/uL	99
146)	p-(Dimethylamino)azobe...	225	11.192	11.197	0.919	170734	35.81	ng/uL	98
147)	Chlorobenzilate	251	11.224	11.235	0.922	314399	41.60	ng/uL	99
148)	2-Acetylaminofluorene	181	11.786	11.786	0.968	383264	38.73	ng/uL	99
150)	7,12-Dimethylbenz(a)an...	256	13.802	13.818	0.947	420049	34.80	ng/uL	99
151)	3-Methylcholanthrene	269	15.225	15.246	1.044	107896	34.41	ng/uL	98
153)	Sulfolane	56	6.683	6.672	1.019	82814	36.19	ng/uL	95
155)	Prometon	210	9.411	9.411	0.967	149130	37.83	ng/uL#	85
156)	Benzidine	184	10.871	10.871	1.117	229314	13.19	ng/uL	99
158)	3,3'-Dimethylbenzidine	212	11.513	11.513	0.946	231070	13.02	ng/uL	100
159)	3,3'-Dichlorobenzidine	252	12.117	12.123	0.995	401547	36.52	ng/uL	99
174)	p-Phenylenediamine	108	7.077	7.088	1.079	1189082	111.23	ng/uL	100
176)	Hexachlorophene	196	14.176	14.219	0.972	1525121	566.41	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0815.D
Acq On : 08 Aug 2025 19:56
Operator : NM1
InstName : MSD2
Sample : |1206195037|2843225|1|SVM|1|MS|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 11 16:52:24 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 11:05**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**1206188060**	**Date Received:**	**07/31/2025 10:20**		
Client Sample:	**QC for batch 2839580**	**Client:**	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WC1AMS**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 21:22**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**500 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0418.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate		73.6	ug/L	0.600	2.00
87-86-5	Pentachlorophenol		62.4	ug/L	6.00	20.0
117-84-0	Di-n-octylphthalate		79.3	ug/L	0.600	2.00
122-09-8	a,a-Dimethylphenethylamine	U	6.00	ug/L	6.00	20.0
70-30-4	Hexachlorophene	J	501	ug/L	334	1000

Quantitation Report
GEL Laboratories, LLC

08/08/2025

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0418.D
Acq On : 04 Aug 2025 21:22
Operator : LL2
InstName : MSDB
Sample : |1206188060|2839582|1|SVM|1|MS|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 17 Sample Multiplier: 1

08/08/2025

Quant Time: Aug 06 10:42:48 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.123	4.152	1.000	433089	40.00	ng/uL	-0.03
22) A Naphthalene-d8	136	5.529	5.538	1.000	1557588	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.264	7.270	1.000	884875	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.579	8.583	1.000	1857690	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.030	11.039	1.000	2301079	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.273	13.288	1.000	2464218	40.00	ng/uL	-0.02
96) B 1,4-Dichlorobenzene-d4	152	4.123	4.152	1.000	433089	40.00	ng/uL	-0.03
112) B Naphthalene-d8	136	5.529	5.538	1.000	1557588	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.264	7.270	1.000	884875	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.579	8.583	1.000	1857690	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.030	11.039	1.000	2301079	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.273	13.288	1.000	2464218	40.00	ng/uL	-0.02
152) J Naphthalene-d8	136	5.529	5.538	1.000	1557588	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.579	8.583	1.000	1857690	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.030	11.039	1.000	2301079	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.529	5.538	1.000	1557588	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.264	7.270	1.000	884875	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.579	8.583	1.000	1857690	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.030	11.039	1.000	2301079	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.529	5.538	1.000	1557588	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.273	13.288	1.000	2464218	40.00	ng/uL	-0.02
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.893	2.893	0.702	577079	48.66	ng/uL	0.00
8) Phenol-d5	99	3.754	3.741	0.911	550535	40.18	ng/uL	0.01
23) Nitrobenzene-d5	82	4.725	4.728	0.855	292501	31.65	ng/uL	0.00
44) 2-Fluorobiphenyl	172	6.630	6.685	0.913	1045291	30.91	ng/uL	-0.06
63) 2,4,6-Tribromophenol	330	7.980	7.984	1.099	521723	72.27	ng/uL	0.00
79) p-Terphenyl-d14	244	9.931	9.944	1.158	1705120	33.78	ng/uL	-0.01

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	49%
8) Phenol-d5	100.000	15 - 85	40%
23) Nitrobenzene-d5	50.000	39 - 112	63%
44) 2-Fluorobiphenyl	50.000	39 - 112	62%
63) 2,4,6-Tribromophenol	100.000	37 - 132	72%
79) p-Terphenyl-d14	50.000	24 - 129	68%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	1.753	1.773	0.425	39781	8.66	ng/uL	85
3) N-Methyl-N-nitrosometh...	74	1.927	1.941	0.467	168710	28.38	ng/uL	99
4) Pyridine	79	1.969	1.983	0.477	188350	16.87	ng/uL	100
7) Aniline	93	3.789	3.807	0.919	527709	30.29	ng/uL	100
9) Phenol	94	3.768	3.755	0.914	334617	23.70	ng/uL	96
10) bis(2-Chloroethyl) ether	93	3.838	3.863	0.931	375351	35.04	ng/uL	97
11) 2-Chlorophenol	128	3.918	3.930	0.950	447355	32.18	ng/uL	99
12) n-Decane	43	3.942	3.976	0.956	159193	21.91	ng/uL	99
13) 1,3-Dichlorobenzene	146	4.067	4.095	0.987	458577	28.29	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0418.D
Acq On : 04 Aug 2025 21:22
Operator : LL2
InstName : MSDB
Sample : |1206188060|2839582|1|SVM|1|MS|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 10:42:48 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
14)	1,4-Dichlorobenzene	146	4.144	4.172	1.005	473104	28.94	ng/uL	100
15)	1,2-Dichlorobenzene	146	4.304	4.333	1.044	467882	29.94	ng/uL	99
16)	bis(2-Chloro-1-methyle...	45	4.408	4.438	1.069	334093	34.06	ng/uL	77
17)	Benzyl alcohol	108	4.269	4.287	1.035	242018	30.30	ng/uL	99
18)	o-Cresol	107	4.401	4.400	1.067	300483	30.87	ng/uL	94
19)	m,p-Cresols	108	4.575	4.571	1.110	399721	33.48	ng/uL	94
20)	N-Nitrosodipropylamine	70	4.558	4.578	1.105	203626	34.73	ng/uL	89
21)	Hexachloroethane	117	4.673	4.708	1.133	127260	26.62	ng/uL	100
24)	Nitrobenzene	77	4.746	4.752	0.858	309126	33.98	ng/uL	98
25)	Isophorone	82	5.021	5.024	0.908	631631	35.06	ng/uL	100
26)	2-Nitrophenol	139	5.104	5.111	0.923	241496	35.21	ng/uL	99
27)	2,4-Dimethylphenol	122	5.170	5.160	0.935	291989	25.12	ng/uL	99
28)	bis(2-Chloroethoxy)met...	93	5.261	5.269	0.952	464618	34.76	ng/uL	98
29)	2,4-Dichlorophenol	162	5.390	5.384	0.975	421290	34.50	ng/uL	99
30)	Benzoic acid	105	5.271	5.244	0.953	198130	30.94	ng/uL	97
31)	1,2,4-Trichlorobenzene	180	5.463	5.478	0.988	435490	31.27	ng/uL	100
32)	alpha-Terpineol	59	5.567	5.576	1.007	208432	34.05	ng/uL	99
33)	Naphthalene	128	5.550	5.565	1.004	1282708	32.40	ng/uL	100
34)	4-Chloroaniline	127	5.619	5.621	1.016	596092	35.98	ng/uL	100
35)	Hexachlorobutadiene	225	5.682	5.701	1.028	214313	28.65	ng/uL	98
36)	4-Chloro-3-methylphenol	107	6.156	6.134	1.113	369901	35.64	ng/uL	98
37)	2-Methylnaphthalene	142	6.271	6.287	1.134	941508	37.08	ng/uL	99
38)	1-Methylnaphthalene	142	6.368	6.385	1.152	887169	33.60	ng/uL	100
40)	Hexachlorocyclopentadiene	237	6.424	6.432	0.884	207308	20.11	ng/uL	99
41)	2,3-Dichloroaniline	161	6.556	6.554	0.903	543511	34.48	ng/uL	100
42)	2,4,6-Trichlorophenol	196	6.563	6.554	0.904	339569	35.68	ng/uL	99
43)	2,4,5-Trichlorophenol	196	6.612	6.589	0.910	415703m	40.52	ng/uL	
45)	2-Chloronaphthalene	162	6.745	6.750	0.929	954820	34.24	ng/uL	98
46)	o-Nitroaniline	138	6.856	6.851	0.944	352480	40.86	ng/uL	96
47)	1,4-Dinitrobenzene	168	6.982	6.980	0.961	167278	40.20	ng/uL	92
48)	m-Dinitrobenzene	168	7.055	7.049	0.971	182722	38.16	ng/uL	95
49)	m-Nitroaniline	138	7.243	7.234	0.997	308187	39.46	ng/uL	100
50)	Dimethylphthalate	163	7.020	7.025	0.966	1146955	36.82	ng/uL	99
51)	2,6-Dinitrotoluene	165	7.076	7.077	0.974	261951	37.98	ng/uL	98
52)	2,4-Dinitrotoluene	165	7.446	7.443	1.025	370250	39.07	ng/uL	91
53)	Acenaphthylene	152	7.135	7.143	0.982	1444336	31.65	ng/uL	100
54)	Acenaphthene	154	7.292	7.304	1.004	891645	32.68	ng/uL	95
55)	2,4-Dinitrophenol	184	7.334	7.328	1.010	95352	27.16	ng/uL	95
56)	Dibenzofuran	168	7.453	7.461	1.026	1440938	35.07	ng/uL	79
57)	2,3,4,6-Tetrachlorophenol	232	7.571	7.572	1.042	324549	35.59	ng/uL	98
58)	Diethylphthalate	149	7.655	7.663	1.054	1104368	37.86	ng/uL	100
59)	4-Nitrophenol	109	7.453	7.394	1.026	56077	26.60	ng/uL	93
60)	Fluorene	166	7.756	7.768	1.068	1165625	35.76	ng/uL	98
61)	4-Chlorophenylphenylether	204	7.753	7.768	1.067	630308	38.32	ng/uL	98
62)	p-Nitroaniline	138	7.798	7.789	1.074	311489	41.40	ng/uL	96
65)	2-Methyl-4,6-dinitroph...	198	7.809	7.805	0.910	173855	32.49	ng/uL	96
66)	Diphenylamine	169	7.861	7.868	0.916	1061478	35.59	ng/uL	96
67)	1,2-Diphenylhydrazine	77	7.896	7.903	0.920	686813	33.88	ng/uL	99
68)	4-Bromophenylphenylether	248	8.183	8.192	0.954	435226	37.85	ng/uL	97

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0418.D
Acq On : 04 Aug 2025 21:22
Operator : LL2
InstName : MSDB
Sample : |1206188060|2839582|1|SVM|1|MS|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 10:42:48 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
69)	Hexachlorobenzene	284	8.239	8.248	0.960	492822	35.01	ng/uL	98
70)	Pentachlorophenol	266	8.425	8.422	0.982	268218	31.21	ng/uL	98
71)	n-Octadecane	57	8.463	8.478	0.987	414146	30.91	ng/uL	99
72)	Dinoseb	211	8.569	8.572	0.999	287209	35.07	ng/uL	97
73)	Phenanthrene	178	8.600	8.607	1.002	1822328	35.34	ng/uL	100
74)	Anthracene	178	8.646	8.652	1.008	1869243	36.18	ng/uL	100
75)	Carbazole	167	8.793	8.788	1.025	1823756	39.18	ng/uL	100
76)	Di-n-butylphthalate	149	9.063	9.073	1.056	2064072	40.25	ng/uL	100
77)	Fluoranthene	202	9.618	9.627	1.121	2180176	37.49	ng/uL	99
78)	Pyrene	202	9.815	9.822	1.144	2301551	38.59	ng/uL	99
81)	Butylbenzylphthalate	149	10.374	10.399	0.941	945152	40.68	ng/uL	98
82)	bis(2-Ethylhexyl)phtha...	149	11.016	11.042	0.999	1392099	37.54	ng/uL	99
83)	Benzo(a)anthracene	228	11.016	11.032	0.999	2326479	34.74	ng/uL	100
84)	Chrysene	228	11.062	11.081	1.003	2203267	35.29	ng/uL	98
85)	Methoxychlor	227	10.914	10.940	0.989	1127511	30.12	ng/uL	100
86)	Methylenebis(2-chloroa...	231	10.981	10.997	0.996	426755	32.80	ng/uL	100
87)	Di-n-octylphthalate	149	11.947	11.974	1.083	2454931	39.66	ng/uL	100
89)	Benzo(b)fluoranthene	252	12.592	12.617	0.949	2745727	39.35	ng/uL	98
90)	Benzo(k)fluoranthene	252	12.638	12.663	0.952	2499669	35.35	ng/uL	98
91)	Benzo(a)pyrene	252	13.167	13.190	0.992	2247951	34.07	ng/uL	98
92)	Indeno(1,2,3-cd)pyrene	276	15.455	15.469	1.164	2430343	34.22	ng/uL	98
93)	Dibenzo(a,h)anthracene	278	15.512	15.533	1.169	2510104	35.06	ng/uL	98
94)	Benzo(ghi)perylene	276	16.032	16.051	1.208	2514962	34.84	ng/uL	97
97)	1,4-Dioxane	88	1.757	1.776	0.426	105717	23.11	ng/uL	97
98)	Methyl methacrylate	69	1.750	1.773	0.424	126348	24.80	ng/uL	97
99)	Ethyl methacrylate	69	2.198	2.221	0.533	202924	25.74	ng/uL	99
100)	2-Picoline	93	2.448	2.463	0.594	236607	18.30	ng/uL	99
101)	N-Nitrosomethylethylamine	88	2.507	2.522	0.608	138932	30.09	ng/uL	100
102)	Methyl methanesulfonate	80	2.744	2.754	0.665	112106	25.65	ng/uL	98
103)	N-Nitrosodiethylamine	102	3.084	3.101	0.748	150628	30.78	ng/uL	100
104)	2-Butoxyethanol	57	3.140	3.157	0.762	242193	28.16	ng/uL	99
105)	Ethyl methanesulfonate	79	3.345	3.357	0.811	229990	31.45	ng/uL	96
106)	Benzaldehyde	77	3.685	3.707	0.894	179294	24.83	ng/uL	98
107)	Pentachloroethane	167	3.838	3.865	0.931	156000	28.44	ng/uL	99
108)	N-Nitrosopyrrolidine	100	4.533	4.548	1.099	132835	27.21	ng/uL	98
109)	Acetophenone	105	4.554	4.579	1.105	516161	31.44	ng/uL	99
110)	N-Nitrosomorpholine	56	4.575	4.593	1.110	108072	34.07	ng/uL	94
111)	o-Toluidine	106	4.596	4.618	1.115	584908	30.63	ng/uL	97
113)	N-Nitrosopiperidine	114	4.916	4.917	0.889	189071	30.82	ng/uL	99
115)	2,6-Dichlorophenol	162	5.626	5.629	1.018	392110	32.95	ng/uL	100
116)	Hexachloropropene	213	5.644	5.661	1.021	216586	28.13	ng/uL	100
117)	Caprolactam	113	5.999	5.961	1.085	51379	16.27	ng/uL	81
118)	N-Nitrosodi-n-butylamine	116	5.971	5.981	1.080	73369	33.72	ng/uL	98
119)	Safrole	162	6.183	6.198	1.118	362705	31.66	ng/uL	99
121)	1,2,4,5-Tetrachloroben...	216	6.434	6.441	0.886	454465	30.22	ng/uL	100
122)	1,1-Biphenyl	154	6.727	6.733	0.926	1125564	31.45	ng/uL	99
123)	Isosafrole	162	6.692	6.698	0.921	423993	34.38	ng/uL	99
124)	1,4-Naphthoquinone	158	6.919	6.915	0.952	655644	65.42	ng/uL	98
125)	Pentachlorobenzene	250	7.411	7.420	1.020	473782	32.66	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0418.D
Acq On : 04 Aug 2025 21:22
Operator : LL2
InstName : MSDB
Sample : |1206188060|2839582|1|SVM|1|MS|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 10:42:48 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

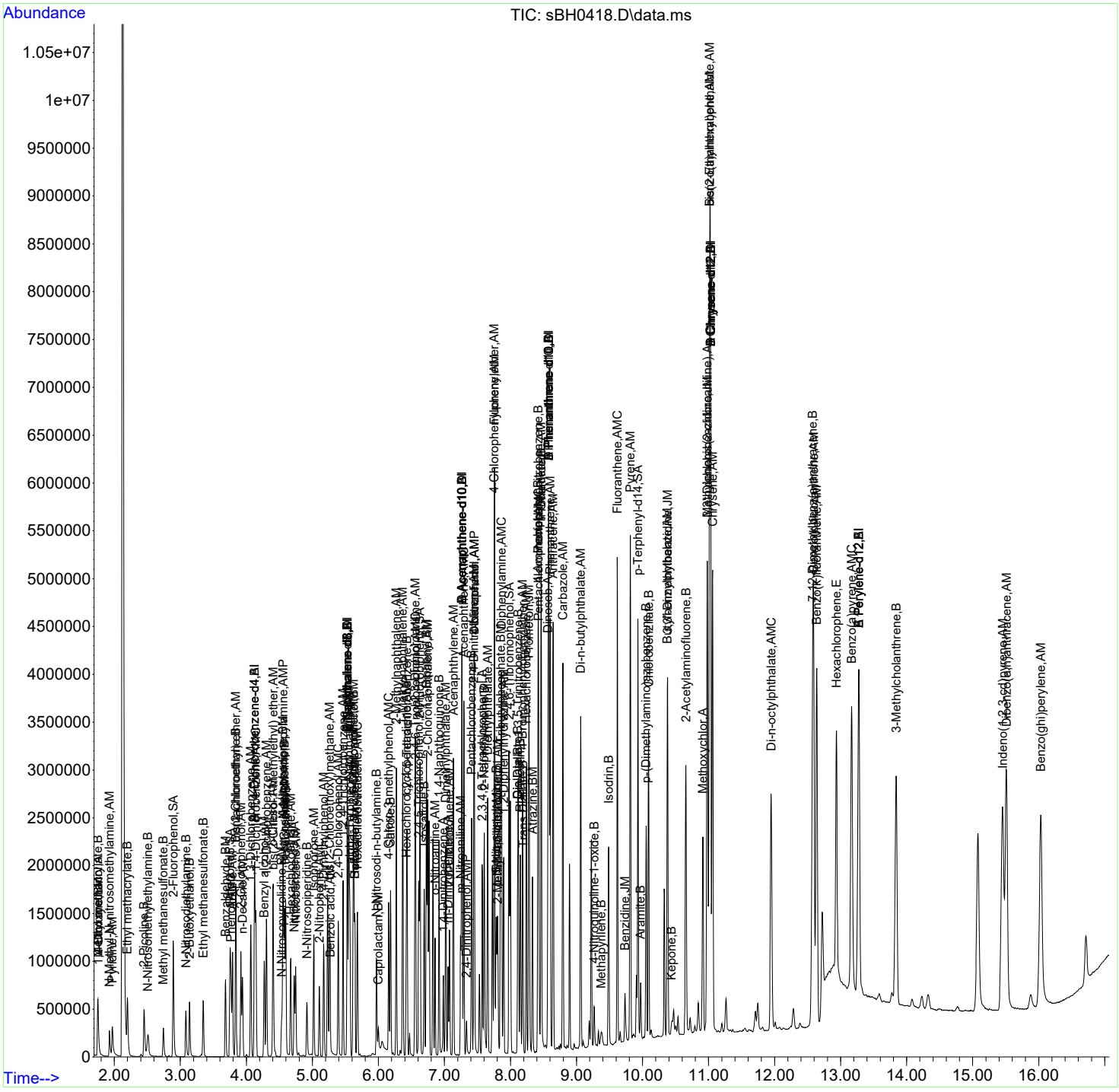
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
127) 2-Naphthylamine	143	7.603	7.601	1.047	895648	29.90	ng/uL	99
128) 5-Nitro-o-toluidine	152	7.784	7.775	1.072	323104	38.30	ng/uL	97
129) Tributylphosphate	99	7.851	7.852	1.081	1124965	38.41	ng/uL	98
131) 1,3,5-Trinitrobenzene	74	8.117	8.084	0.946	95081	45.43	ng/uL	86
132) Phenacetin	108	8.148	8.133	0.950	441856	35.40	ng/uL	96
133) Diallate	86	8.110	8.115	0.945	250000	34.53	ng/uL	92
134) Cis Diallate	86	8.110	8.115	0.945	250000	29.35	ng/uL	92
135) Trans Diallate	86	8.190	8.196	0.955	82220	4.86	ng/uL	90
136) Atrazine	200	8.334	8.328	0.971	261367	27.11	ng/uL	99
137) 4-Aminobiphenyl	169	8.418	8.416	0.981	1037060	26.91	ng/uL	100
138) Pentachloronitrobenzene	237	8.421	8.426	0.982	127381	37.75	ng/uL	99
139) Pronamide	173	8.467	8.465	0.987	586440	38.99	ng/uL	98
140) 4-Nitroquinoline-1-oxide	160	9.266	9.266	1.080	32422	23.74	ng/uL#	59
141) Methapyrilene	58	9.375	9.329	1.093	77523	6.52	ng/uL	94
142) Isodrin	193	9.488	9.499	1.106	174432	29.34	ng/uL	98
144) Aramite	185	9.970	9.990	0.904	85408	12.82	ng/uL	99
145) Kepone	272	10.438	10.462	0.946	47518	7.58	ng/uL	95
146) p-(Dimethylamino)azobe...	120	10.054	10.074	0.912	426716	33.59	ng/uL	93
147) Chlorobenzilate	251	10.093	10.113	0.915	724910	39.44	ng/uL	97
148) 2-Acetylaminofluorene	181	10.656	10.658	0.966	921288	39.17	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	12.575	12.600	0.947	1067187	32.53	ng/uL	99
151) 3-Methylcholanthrene	269	13.841	13.862	1.043	271595	32.24	ng/uL	98
153) Sulfolane	56	5.644	5.633	1.021	79650	33.38	ng/uL	100
155) Prometon	210	8.278	8.272	0.965	328985	37.40	ng/uL	95
156) Benzidine	184	9.734	9.737	1.135	260649	8.16	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	10.378	10.392	0.941	410410	10.17	ng/uL	98
159) 3,3'-Dichlorobenzidine	252	10.981	10.990	0.996	900797	34.21	ng/uL	99
176) Hexachlorophene	196	12.936	12.944	0.975	406581	250.28	ng/uL	96

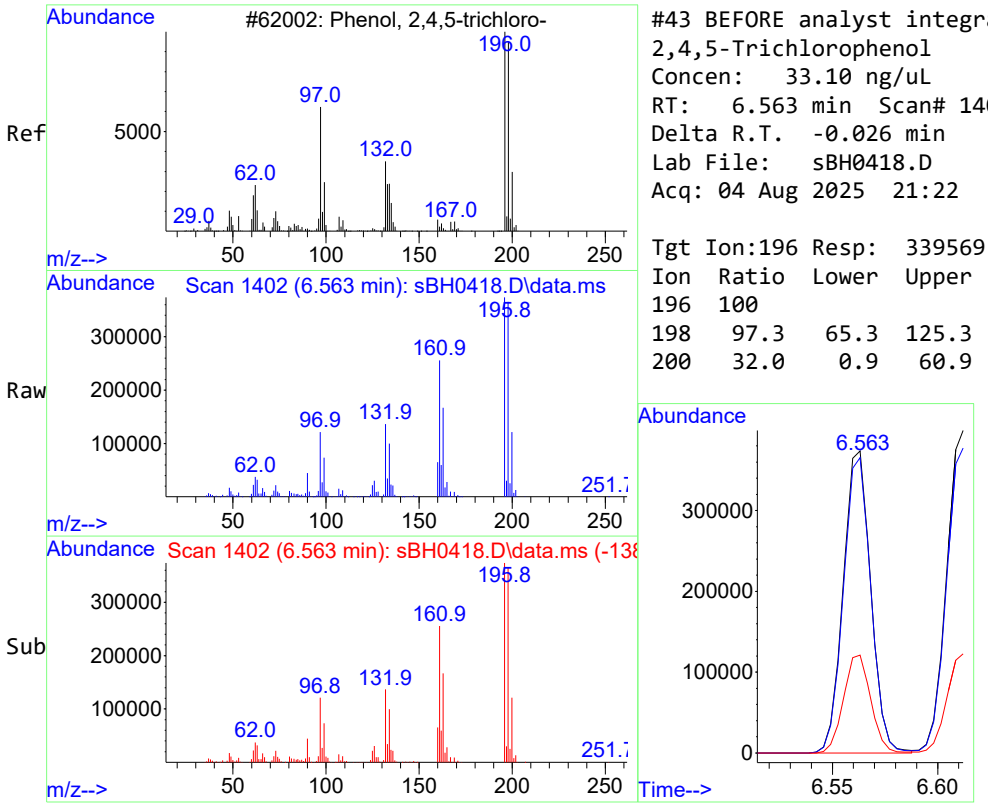
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0418.D
Acq On : 04 Aug 2025 21:22
Operator : LL2
InstName : MSDB
Sample : |1206188060|2839582|1|SVM|1|MS|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 10:42:48 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

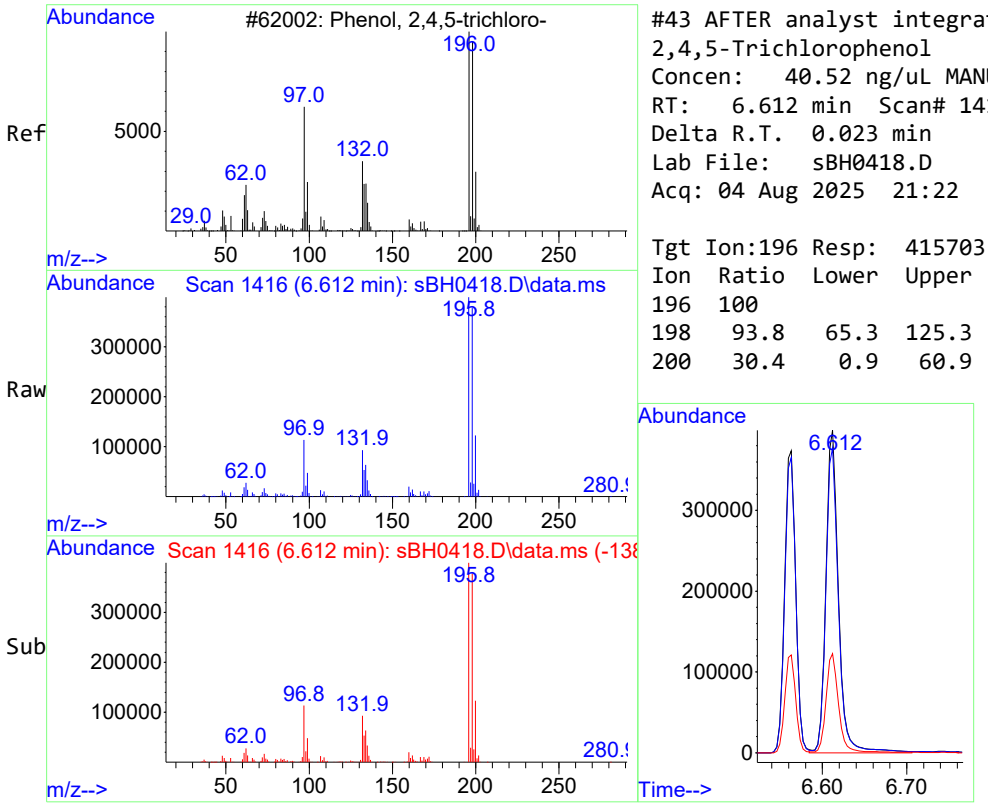




#43 BEFORE analyst integration
2,4,5-Trichlorophenol
Concen: 33.10 ng/uL
RT: 6.563 min Scan# 1402
Delta R.T. -0.026 min
Lab File: sBH0418.D
Acq: 04 Aug 2025 21:22

Tgt Ion:196 Resp: 339569

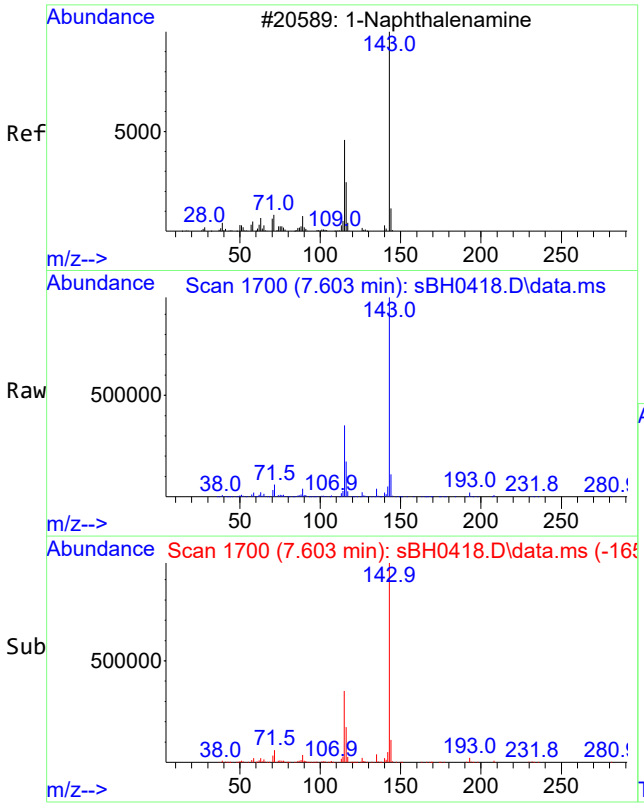
Ion	Ratio	Lower	Upper
196	100		
198	97.3	65.3	125.3
200	32.0	0.9	60.9



#43 AFTER analyst integration
2,4,5-Trichlorophenol AP
Concen: 40.52 ng/uL MANUALLY INTEGRATED
RT: 6.612 min Scan# 1416
Delta R.T. 0.023 min
Lab File: sBH0418.D
Acq: 04 Aug 2025 21:22

Tgt Ion:196 Resp: 415703

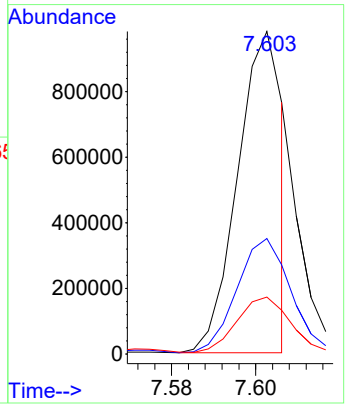
Ion	Ratio	Lower	Upper
196	100		
198	93.8	65.3	125.3
200	30.4	0.9	60.9



#126 BEFORE analyst DELETION
1-Naphthylamine
Concen: 25.20 ng/uL
RT: 7.603 min Scan# 1700
Delta R.T. 0.075 min
Lab File: sBH0418.D
Acq: 04 Aug 2025 21:22

Tgt Ion:143 Resp: 727148

Ion	Ratio	Lower	Upper
143	100		
115	35.9	6.9	66.9
116	17.2	0.0	51.6



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**08/04/2025 09:10**	**Matrix:**	**W**
Lab Sample ID:	**1206195038**	**Date Received:**	**08/06/2025 10:10**		
Client Sample:	**QC for batch 2843222**	**Client:**	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**WST48-25-372955MSD**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2843225**	**Inst:**	**MSD2.I**	**Dilution:**	**1**
Run Date:	**08/08/2025 20:21**	**Analyst:**	**NM1**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/08/2025 11:40**	**Aliquot:**	**325 mL**	**Final Volume:**	**1 mL**
Data File:	**s080825.s\s2H0816.D**	**Column:**	**DB-5ms**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate		119	ug/L	0.923	3.08
117-84-0	Di-n-octylphthalate		126	ug/L	0.923	3.08
122-09-8	a,a-Dimethylphenethylamine	U	9.23	ug/L	9.23	30.8
70-30-4	Hexachlorophene		1890	ug/L	514	1540

Quantitation Report
GEL Laboratories, LLC

NM 08/11/2025

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0816.D
Acq On : 08 Aug 2025 20:21
Operator : NM1
InstName : MSD2
Sample : |1206195038|2843225|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 16 Sample Multiplier: 1

BAB 08/12/2025

Quant Time: Aug 11 16:52:29 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.854	4.848	1.000	222723	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	6.560	6.555	1.000	867106	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	8.405	8.400	1.000	454160	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	9.732	9.726	1.000	884843	40.00	ng/uL	0.00
80) A Chrysene-d12	240	12.176	12.171	1.000	956802	40.00	ng/uL	0.00
88) A Perylene-d12	264	14.583	14.551	1.000	968827	40.00	ng/uL	0.03
96) B 1,4-Dichlorobenzene-d4	152	4.854	4.848	1.000	222723	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	6.560	6.555	1.000	867106	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	8.405	8.400	1.000	454160	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	9.732	9.726	1.000	884843	40.00	ng/uL	0.00
143) B Chrysene-d12	240	12.176	12.171	1.000	956802	40.00	ng/uL	0.00
149) B Perylene-d12	264	14.583	14.551	1.000	974566	40.00	ng/uL	0.03
152) J Naphthalene-d8	136	6.560	6.555	1.000	867106	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	9.732	9.726	1.000	884843	40.00	ng/uL	0.00
157) J Chrysene-d12	240	12.176	12.171	1.000	956802	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	6.560	6.555	1.000	867106	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	8.405	8.400	1.000	454160	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	9.732	9.726	1.000	884843	40.00	ng/uL	0.00
171) D Chrysene-d12	240	12.176	12.171	1.000	956802	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	6.560	6.555	1.000	867106	40.00	ng/uL	0.00
175) E Perylene-d12	264	14.583	14.551	1.000	974566	40.00	ng/uL	0.03
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	3.345	3.324	0.689	399172	60.97	ng/uL	0.02
8) Phenol-d5	99	4.356	4.330	0.898	459011	57.41	ng/uL	0.03
23) Nitrobenzene-d5	82	5.608	5.597	0.855	260017	33.76	ng/uL	0.01
44) 2-Fluorobiphenyl	172	7.753	7.747	0.922	557077	30.57	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	9.127	9.117	1.086	268691	70.75	ng/uL	0.01
79) p-Terphenyl-d14	244	11.069	11.064	1.137	789541	33.34	ng/uL	0.00

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	15 - 72	61%
8) Phenol-d5	100.000	15 - 85	57%
23) Nitrobenzene-d5	50.000	34 - 107	68%
44) 2-Fluorobiphenyl	50.000	35 - 107	61%
63) 2,4,6-Tribromophenol	100.000	31 - 126	71%
79) p-Terphenyl-d14	50.000	20 - 118	67%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	2.110	2.089	0.435	42502	13.87	ng/uL	92
3) N-Methyl-N-nitrosometh...	74	2.286	2.270	0.471	139371	34.07	ng/uL	98
4) Pyridine	79	2.340	2.319	0.482	190767	27.27	ng/uL	98
7) Aniline	93	4.431	4.421	0.913	363588	34.73	ng/uL	99
9) Phenol	94	4.372	4.346	0.901	257289	30.69	ng/uL	95
10) bis(2-Chloroethyl) ether	93	4.495	4.490	0.926	265909	39.06	ng/uL	95
11) 2-Chlorophenol	128	4.581	4.570	0.944	269926	36.36	ng/uL	99
12) n-Decane	43	4.629	4.629	0.954	148029	23.00	ng/uL	97
13) 1,3-Dichlorobenzene	146	4.779	4.774	0.985	247814	29.47	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0816.D
Acq On : 08 Aug 2025 20:21
Operator : NM1
InstName : MSD2
Sample : |1206195038|2843225|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 11 16:52:29 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
14) 1,4-Dichlorobenzene	146	4.875	4.870	1.004	256394	30.08	ng/uL	99
15) 1,2-Dichlorobenzene	146	5.078	5.073	1.046	254513	31.25	ng/uL	99
16) bis(2-Chloro-1-methyle...	45	5.212	5.207	1.074	299809	37.81	ng/uL	98
17) Benzyl alcohol	108	5.025	5.009	1.035	156014	34.90	ng/uL	96
18) o-Cresol	107	5.175	5.153	1.066	208317	36.33	ng/uL	99
19) m,p-Cresols	108	5.394	5.367	1.111	246251	37.32	ng/uL#	52
20) N-Nitrosodipropylamine	70	5.399	5.389	1.112	191748	39.65	ng/uL	83
21) Hexachloroethane	117	5.544	5.538	1.142	92779	27.98	ng/uL	99
24) Nitrobenzene	77	5.635	5.624	0.859	278677	36.48	ng/uL	99
25) Isophorone	82	5.977	5.966	0.911	502772	36.60	ng/uL	100
26) 2-Nitrophenol	139	6.073	6.068	0.926	148740	39.46	ng/uL	98
27) 2,4-Dimethylphenol	122	6.137	6.121	0.936	173186	26.49	ng/uL	100
28) bis(2-Chloroethoxy)met...	93	6.260	6.255	0.954	342475	37.45	ng/uL	97
29) 2,4-Dichlorophenol	162	6.389	6.373	0.974	241668	36.87	ng/uL	100
30) Benzoic acid	105	6.239	6.212	0.951	27727	13.12	ng/uL	92
31) 1,2,4-Trichlorobenzene	180	6.490	6.485	0.989	236437	31.88	ng/uL	99
32) alpha-Terpineol	59	6.603	6.597	1.007	196364	33.63	ng/uL	98
33) Naphthalene	128	6.587	6.581	1.004	769408	33.73	ng/uL	100
34) 4-Chloroaniline	127	6.656	6.646	1.015	370584	38.78	ng/uL	98
35) Hexachlorobutadiene	225	6.736	6.731	1.027	133992	30.36	ng/uL	100
36) 4-Chloro-3-methylphenol	107	7.223	7.196	1.101	214452	34.10	ng/uL	100
37) 2-Methylnaphthalene	142	7.373	7.368	1.124	527518	38.84	ng/uL	99
38) 1-Methylnaphthalene	142	7.475	7.469	1.139	508073	35.83	ng/uL	99
40) Hexachlorocyclopentadiene	237	7.539	7.533	0.897	134641	22.05	ng/uL	99
41) 2,3-Dichloroaniline	161	7.667	7.656	0.912	300733	34.59	ng/uL	99
42) 2,4,6-Trichlorophenol	196	7.672	7.656	0.913	179186	34.26	ng/uL	100
43) 2,4,5-Trichlorophenol	196	7.715	7.694	0.918	193184	35.13	ng/uL	100
45) 2-Chloronaphthalene	162	7.870	7.865	0.936	576905	37.70	ng/uL	96
46) o-Nitroaniline	65	7.977	7.967	0.949	160562	40.39	ng/uL	99
47) 1,4-Dinitrobenzene	168	8.111	8.100	0.965	93766	41.54	ng/uL	95
48) m-Dinitrobenzene	168	8.186	8.170	0.974	105711	41.15	ng/uL	92
49) m-Nitroaniline	138	8.373	8.357	0.996	171645	40.00	ng/uL	97
50) Dimethylphthalate	163	8.154	8.143	0.970	672590	38.53	ng/uL	97
51) 2,6-Dinitrotoluene	165	8.213	8.202	0.977	149537	39.65	ng/uL	96
52) 2,4-Dinitrotoluene	165	8.587	8.576	1.022	203683	39.41	ng/uL	93
53) Acenaphthylene	152	8.271	8.266	0.984	857645	34.10	ng/uL	100
54) Acenaphthene	153	8.437	8.432	1.004	599758	36.52	ng/uL	99
55) 2,4-Dinitrophenol	184	8.469	8.459	1.008	75570	35.43	ng/uL	98
56) Dibenzofuran	168	8.598	8.592	1.023	801709	36.02	ng/uL	99
57) 2,3,4,6-Tetrachlorophenol	232	8.710	8.699	1.036	169308	35.59	ng/uL	99
58) Diethylphthalate	149	8.801	8.790	1.047	680368	37.97	ng/uL	99
59) 4-Nitrophenol	109	8.555	8.507	1.018	85821	37.27	ng/uL	92
60) Fluorene	166	8.908	8.903	1.060	653723	37.16	ng/uL	99
61) 4-Chlorophenylphenylether	204	8.903	8.897	1.059	334937	39.85	ng/uL	98
62) p-Nitroaniline	138	8.935	8.913	1.063	186405	42.97	ng/uL	96
65) 2-Methyl-4,6-dinitroph...	198	8.951	8.940	0.920	109137	39.72	ng/uL	93
66) Diphenylamine	169	9.010	8.999	0.926	548664	38.26	ng/uL	98
67) 1,2-Diphenylhydrazine	77	9.042	9.036	0.929	622021	36.23	ng/uL	97
68) 4-Bromophenylphenylether	248	9.336	9.331	0.959	219563	40.79	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0816.D
Acq On : 08 Aug 2025 20:21
Operator : NM1
InstName : MSD2
Sample : |1206195038|2843225|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 11 16:52:29 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
69)	Hexachlorobenzene	284	9.395	9.389	0.965	252199	37.75	ng/uL	99
70)	Pentachlorophenol	266	9.571	9.555	0.984	155137	38.90	ng/uL	99
71)	n-Octadecane	57	9.603	9.598	0.987	351604	34.61	ng/uL	98
72)	Dinoseb	211	9.710	9.705	0.998	163606	40.51	ng/uL	99
73)	Phenanthrene	178	9.753	9.748	1.002	933211	36.63	ng/uL	100
74)	Anthracene	178	9.796	9.791	1.007	941513	37.02	ng/uL	100
75)	Carbazole	167	9.935	9.924	1.021	881424	37.92	ng/uL	99
76)	Di-n-butylphthalate	149	10.202	10.197	1.048	1149576	39.82	ng/uL	100
77)	Fluoranthene	202	10.769	10.759	1.107	1028015	37.35	ng/uL	100
78)	Pyrene	202	10.962	10.957	1.126	1074791	37.25	ng/uL	100
81)	Butylbenzylphthalate	149	11.507	11.497	0.945	511416	42.29	ng/uL	98
82)	bis(2-Ethylhexyl)phtha...	149	12.139	12.128	0.997	751386	38.69	ng/uL	94
83)	Benzo(a)anthracene	228	12.165	12.155	0.999	1031759	36.21	ng/uL	100
84)	Chrysene	228	12.213	12.203	1.003	1003794	37.87	ng/uL	100
85)	Methoxychlor	227	12.048	12.037	0.989	631264	35.30	ng/uL	100
86)	Methylenebis(2-chloroa...	231	12.112	12.101	0.995	203556	36.37	ng/uL	98
87)	Di-n-octylphthalate	149	13.091	13.080	1.075	1198199	40.90	ng/uL	99
89)	Benzo(b)fluoranthene	252	13.818	13.802	0.948	1182624	42.99	ng/uL	98
90)	Benzo(k)fluoranthene	252	13.866	13.850	0.951	1062532	37.33	ng/uL	100
91)	Benzo(a)pyrene	252	14.460	14.439	0.992	959983	36.92	ng/uL	99
92)	Indeno(1,2,3-cd)pyrene	276	17.166	17.134	1.177	1032473	38.41	ng/uL	99
93)	Dibenzo(a,h)anthracene	278	17.236	17.209	1.182	1006943	38.14	ng/uL	100
94)	Benzo(ghi)perylene	276	17.840	17.819	1.223	1080893	38.59	ng/uL	100
95)	Dibenzo(a,e)pyrene	302	20.317	20.295	1.393	969891	39.47	ng/uL	99
97)	1,4-Dioxane	88	2.115	2.083	0.436	68606	26.07	ng/uL	100
98)	Methyl methacrylate	69	2.105	2.078	0.434	87353	25.06	ng/uL	100
99)	Ethyl methacrylate	69	2.581	2.559	0.532	156473	27.26	ng/uL	97
100)	2-Picoline	93	2.859	2.837	0.589	205999	27.06	ng/uL	99
101)	N-Nitrosomethylethylamine	88	2.923	2.901	0.602	100222	34.02	ng/uL	95
102)	Methyl methanesulfonate	80	3.180	3.164	0.655	113024	29.03	ng/uL	98
103)	N-Nitrosodiethylamine	102	3.581	3.570	0.738	108418	35.35	ng/uL	96
104)	2-Butoxyethanol	57	3.650	3.640	0.752	208107	31.43	ng/uL	99
105)	Ethyl methanesulfonate	79	3.891	3.880	0.802	188765	34.23	ng/uL	99
106)	Benzaldehyde	77	4.303	4.303	0.886	48321	8.79	ng/uL	98
107)	Pentachloroethane	167	4.495	4.495	0.926	93063	29.97	ng/uL	98
108)	N-Nitrosopyrrolidine	100	5.362	5.356	1.105	119641	35.16	ng/uL	94
109)	Acetophenone	105	5.394	5.394	1.111	365404	36.05	ng/uL	77
110)	N-Nitrosomorpholine	56	5.415	5.415	1.116	139525	41.17	ng/uL	92
111)	o-Toluidine	106	5.442	5.442	1.121	408902	35.63	ng/uL	99
113)	N-Nitrosopiperidine	114	5.849	5.849	0.892	125932	33.99	ng/uL	99
115)	2,6-Dichlorophenol	162	6.662	6.667	1.015	224977	35.69	ng/uL	100
116)	Hexachloropropene	213	6.688	6.699	1.020	156125	30.80	ng/uL	97
117)	Caprolactam	113	7.068	7.036	1.077	46395	26.12	ng/uL#	32
118)	N-Nitrosodi-n-butylamine	116	7.057	7.057	1.076	45743	34.23	ng/uL	100
119)	Safrole	162	7.282	7.287	1.110	194176	33.60	ng/uL	99
121)	1,2,4,5-Tetrachloroben...	216	7.549	7.549	0.898	257707	31.58	ng/uL	100
122)	1,1-Biphenyl	154	7.854	7.854	0.934	667120	33.39	ng/uL	98
123)	Isosafrole	162	7.817	7.822	0.930	241997	38.07	ng/uL	98
124)	1,4-Naphthoquinone	158	8.047	8.052	0.957	147464	26.68	ng/uL	94

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0816.D
Acq On : 08 Aug 2025 20:21
Operator : NM1
InstName : MSD2
Sample : |1206195038|2843225|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 11 16:52:29 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE

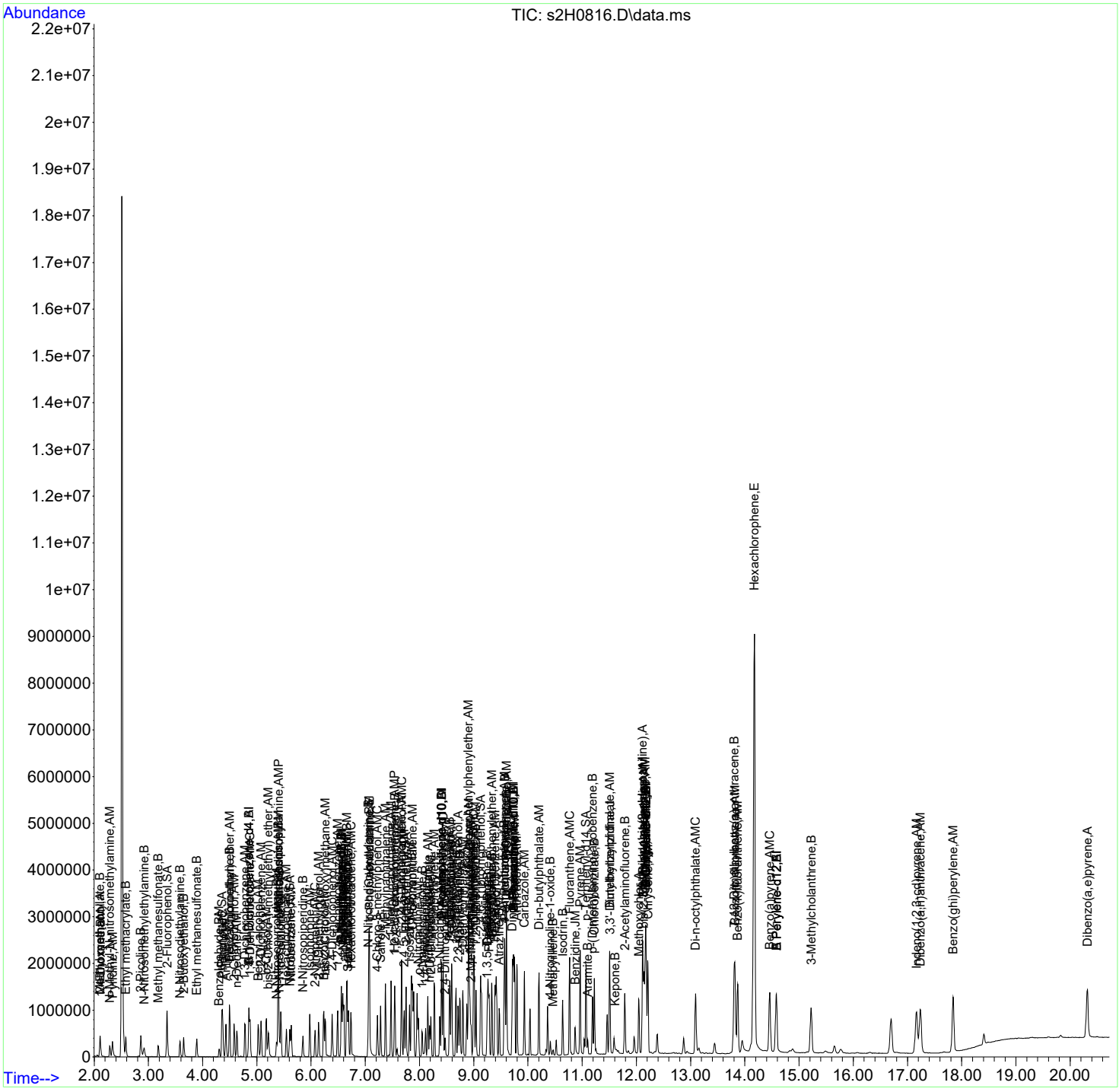
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
125) Pentachlorobenzene	250	8.560	8.566	1.018	259928	34.51	ng/uL	100
126) 1-Naphthylamine	143	8.673	8.673	1.032	516431	31.89	ng/uL	100
127) 2-Naphthylamine	143	8.742	8.748	1.040	539062	32.21	ng/uL	100
128) 5-Nitro-o-toluidine	152	8.924	8.919	1.062	169517	38.42	ng/uL	86
129) Tributylphosphate	99	8.994	8.994	1.070	738359	35.96	ng/uL	97
131) 1,3,5-Trinitrobenzene	74	9.245	9.229	0.950	99441	44.79	ng/uL	93
132) Phenacetin	108	9.282	9.277	0.954	304758	37.31	ng/uL	98
133) Diallate	86	9.256	9.261	0.951	183730	38.06	ng/uL#	69
134) Cis Diallate	86	9.256	9.261	0.951	183730	32.35	ng/uL#	69
135) Trans Diallate	86	9.336	9.347	0.959	60942	5.41	ng/uL	94
136) Atrazine	200	9.470	9.475	0.973	150021	31.52	ng/uL	99
137) 4-Aminobiphenyl	169	9.561	9.566	0.982	640457	32.64	ng/uL	98
138) Pentachloronitrobenzene	237	9.577	9.577	0.984	85269	39.06	ng/uL	96
139) Pronamide	173	9.603	9.603	0.987	330504	39.79	ng/uL	99
140) 4-Nitroquinoline-1-oxide	128	10.411	10.411	1.070	15846	12.70	ng/uL	91
141) Methapyrilene	97	10.464	10.464	1.075	30168	3.35	ng/uL	98
142) Isodrin	193	10.641	10.646	1.093	93463	30.35	ng/uL	98
144) Aramite	185	11.101	11.106	0.912	33690	14.64	ng/uL	95
145) Kepone	272	11.609	11.598	0.953	42243	13.74	ng/uL	98
146) p-(Dimethylamino)azobe...	225	11.192	11.197	0.919	179381	36.63	ng/uL	98
147) Chlorobenzilate	251	11.224	11.235	0.922	332972	42.90	ng/uL	99
148) 2-Acetylaminofluorene	181	11.786	11.786	0.968	386900	38.06	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	13.802	13.818	0.946	427903	34.70	ng/uL	98
151) 3-Methylcholanthrene	269	15.225	15.246	1.044	107595	33.60	ng/uL	99
153) Sulfolane	56	6.683	6.672	1.019	87954	36.58	ng/uL	97
155) Prometon	210	9.411	9.411	0.967	167535	40.20	ng/uL	88
156) Benzidine	184	10.871	10.871	1.117	325481	17.72	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	11.513	11.513	0.946	345435	18.95	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	12.117	12.123	0.995	416372	36.87	ng/uL	99
174) p-Phenylenediamine	108	7.077	7.088	1.079	1233403	109.81	ng/uL	100
176) Hexachlorophene	196	14.176	14.219	0.972	1749149	613.23	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDCHEM\1\data\s080825.s\
Data File : s2H0816.D
Acq On : 08 Aug 2025 20:21
Operator : NM1
InstName : MSD2
Sample : |1206195038|2843225|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|WATER|QC A|MIX[A,B,J,E]||
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 11 16:52:29 2025
Quant Method : D:\MSDCHEM\1\data\s080825.s\MSD2_8270_061225.m
Quant Title : BNA01 SubList :
QLast Update : Fri Jun 13 14:20:24 2025
Response via : Initial Calibration
Integrator: RTE



Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number:	**735995**	**Date Collected:**	**07/30/2025 11:05**	**Matrix:**	**GROUND WATER**
Lab Sample ID:	**1206188061**	**Date Received:**	**07/31/2025 10:20**		
Client Sample:	**QC for batch 2839580**	**Client:**	**TRCI001**	**Project:**	**TRCI00123**
Client ID:	**16WC1AMSD**	**Method:**	**SW846 3510C/8270E**	**SOP Ref:**	**GL-OA-E-009**
Batch ID:	**2839582**	**Inst:**	**MSDB.I**	**Dilution:**	**1**
Run Date:	**08/04/2025 21:43**	**Analyst:**	**LL2**	**Inj. Vol:**	**1 uL**
Prep Date:	**08/04/2025 11:23**	**Aliquot:**	**500 mL**	**Final Volume:**	**1 mL**
Data File:	**s080425\sBH0419.D**	**Column:**	**DB-5ms GC Column, 25 n**		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
131-11-3	Dimethylphthalate		59.9	ug/L	0.600	2.00
87-86-5	Pentachlorophenol		50.8	ug/L	6.00	20.0
117-84-0	Di-n-octylphthalate		64.6	ug/L	0.600	2.00
122-09-8	a,a-Dimethylphenethylamine	U	6.00	ug/L	6.00	20.0
70-30-4	Hexachlorophene	J	474	ug/L	334	1000

Quantitation Report
GEL Laboratories, LLC

08/08/2025

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0419.D
Acq On : 04 Aug 2025 21:43
Operator : LL2
InstName : MSDB
Sample : |1206188061|2839582|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 18 Sample Multiplier: 1

08/08/2025

Quant Time: Aug 06 14:06:27 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.123	4.120	1.000	396114	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.528	5.520	1.000	1437648	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.263	7.257	1.000	818950	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.581	8.569	1.000	1734120	40.00	ng/uL	0.01
80) A Chrysene-d12	240	11.028	11.013	1.000	2162851	40.00	ng/uL	0.01
88) A Perylene-d12	264	13.270	13.240	1.000	2288367	40.00	ng/uL	0.03
96) B 1,4-Dichlorobenzene-d4	152	4.123	4.120	1.000	396114	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.528	5.520	1.000	1437648	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.263	7.257	1.000	818950	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.581	8.569	1.000	1734120	40.00	ng/uL	0.01
143) B Chrysene-d12	240	11.028	11.013	1.000	2162851	40.00	ng/uL	0.01
149) B Perylene-d12	264	13.270	13.240	1.000	2288367	40.00	ng/uL	0.03
152) J Naphthalene-d8	136	5.528	5.520	1.000	1437648	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.581	8.569	1.000	1734120	40.00	ng/uL	0.01
157) J Chrysene-d12	240	11.028	11.013	1.000	2162851	40.00	ng/uL	0.01
160) D Naphthalene-d8	136	5.528	5.520	1.000	1437648	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.263	7.257	1.000	818950	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.581	8.569	1.000	1734120	40.00	ng/uL	0.01
171) D Chrysene-d12	240	11.028	11.013	1.000	2162851	40.00	ng/uL	0.01
173) E Naphthalene-d8	136	5.528	5.520	1.000	1437648	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.270	13.240	1.000	2288367	40.00	ng/uL	0.03
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	2.893	2.864	0.702	469201	43.26	ng/uL	0.03
8) Phenol-d5	99	3.751	3.707	0.910	460553	36.75	ng/uL	0.04
23) Nitrobenzene-d5	82	4.725	4.711	0.855	226754	26.59	ng/uL	0.01
44) 2-Fluorobiphenyl	172	6.629	6.625	0.913	789114	25.21	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	7.979	7.964	1.099	398020	59.57	ng/uL	0.01
79) p-Terphenyl-d14	244	9.928	9.924	1.157	1309600	27.80	ng/uL	0.00

Compound	Amount	Range	Recovery
5) 2-Fluorophenol	100.000	11 - 79	43%
8) Phenol-d5	100.000	15 - 85	37%
23) Nitrobenzene-d5	50.000	39 - 112	53%
44) 2-Fluorobiphenyl	50.000	39 - 112	50%
63) 2,4,6-Tribromophenol	100.000	37 - 132	60%
79) p-Terphenyl-d14	50.000	24 - 129	56%

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
2) 2-Ethoxyethanol	59	1.753	1.742	0.425	34548	8.22	ng/uL	84
3) N-Methyl-N-nitrosometh...	74	1.923	1.916	0.466	144844	26.64	ng/uL	99
4) Pyridine	79	1.972	1.958	0.478	61264	6.00	ng/uL	99
6) p-Benzoquinone	108	3.317	3.308	0.804	72476	13.61	ng/uL	98
7) Aniline	93	3.789	3.773	0.919	294078	18.46	ng/uL	100
9) Phenol	94	3.765	3.721	0.913	278102	21.53	ng/uL	98
10) bis(2-Chloroethyl) ether	93	3.838	3.828	0.931	294883	30.09	ng/uL	97
11) 2-Chlorophenol	128	3.918	3.898	0.950	350448	27.57	ng/uL	99
12) n-Decane	43	3.942	3.943	0.956	112695	16.96	ng/uL	97

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0419.D
Acq On : 04 Aug 2025 21:43
Operator : LL2
InstName : MSDB
Sample : |1206188061|2839582|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 06 14:06:27 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
13)	1,3-Dichlorobenzene	146	4.067	4.061	0.987	351807	23.73	ng/uL	98
14)	1,4-Dichlorobenzene	146	4.144	4.137	1.005	355343	23.77	ng/uL	99
15)	1,2-Dichlorobenzene	146	4.304	4.297	1.044	356871	24.97	ng/uL	99
16)	bis(2-Chloro-1-methyle...	45	4.408	4.401	1.069	265339	29.58	ng/uL	77
17)	Benzyl alcohol	108	4.269	4.248	1.035	194156	26.57	ng/uL	98
18)	o-Cresol	107	4.401	4.363	1.067	238559	26.80	ng/uL	93
19)	m,p-Cresols	108	4.575	4.533	1.110	317724	29.09	ng/uL	95
20)	N-Nitrosodipropylamine	70	4.554	4.540	1.105	162591	30.32	ng/uL	86
21)	Hexachloroethane	117	4.673	4.669	1.133	93042	21.28	ng/uL	97
24)	Nitrobenzene	77	4.746	4.732	0.858	238324	28.38	ng/uL	97
25)	Isophorone	82	5.020	5.006	0.908	488582	29.38	ng/uL	100
26)	2-Nitrophenol	139	5.104	5.093	0.923	191191	30.20	ng/uL	98
27)	2,4-Dimethylphenol	122	5.170	5.138	0.935	226657	21.12	ng/uL	100
28)	bis(2-Chloroethoxy)met...	93	5.261	5.249	0.952	367389	29.78	ng/uL	98
29)	2,4-Dichlorophenol	162	5.389	5.360	0.975	328426	29.14	ng/uL	99
30)	Benzoic acid	105	5.264	5.218	0.952	125501	23.83	ng/uL	96
31)	1,2,4-Trichlorobenzene	180	5.462	5.457	0.988	333268	25.93	ng/uL	99
32)	alpha-Terpineol	59	5.567	5.555	1.007	161177	28.53	ng/uL	99
33)	Naphthalene	128	5.549	5.544	1.004	990340	27.10	ng/uL	100
34)	4-Chloroaniline	127	5.619	5.597	1.016	479224	31.34	ng/uL	98
35)	Hexachlorobutadiene	225	5.682	5.680	1.028	166650	24.14	ng/uL	99
36)	4-Chloro-3-methylphenol	107	6.155	6.107	1.113	286276	29.89	ng/uL	97
37)	2-Methylnaphthalene	142	6.270	6.263	1.134	735962	31.41	ng/uL	99
38)	1-Methylnaphthalene	142	6.367	6.361	1.152	690480	28.33	ng/uL	99
40)	Hexachlorocyclopentadiene	237	6.423	6.420	0.884	162326	17.02	ng/uL	100
41)	2,3-Dichloroaniline	161	6.555	6.538	0.903	420244	28.81	ng/uL	100
42)	2,4,6-Trichlorophenol	196	6.562	6.538	0.904	265837	30.18	ng/uL	98
43)	2,4,5-Trichlorophenol	196	6.611	6.576	0.910	310264m	32.68	ng/uL	
45)	2-Chloronaphthalene	162	6.744	6.736	0.929	736441	28.54	ng/uL	98
46)	o-Nitroaniline	138	6.855	6.833	0.944	262947	32.94	ng/uL	97
47)	1,4-Dinitrobenzene	168	6.981	6.962	0.961	125162	32.50	ng/uL	93
48)	m-Dinitrobenzene	168	7.054	7.031	0.971	138932	31.35	ng/uL	95
49)	m-Nitroaniline	138	7.242	7.216	0.997	244034	33.76	ng/uL	100
50)	Dimethylphthalate	163	7.019	7.007	0.966	862768	29.93	ng/uL	100
51)	2,6-Dinitrotoluene	165	7.075	7.059	0.974	202144	31.67	ng/uL	98
52)	2,4-Dinitrotoluene	165	7.444	7.428	1.025	272416	31.06	ng/uL	88
53)	Acenaphthylene	152	7.134	7.125	0.982	1120566	26.53	ng/uL	99
54)	Acenaphthene	154	7.291	7.285	1.004	685684	27.16	ng/uL	93
55)	2,4-Dinitrophenol	184	7.333	7.310	1.010	68014	22.34	ng/uL	95
56)	Dibenzofuran	168	7.451	7.442	1.026	1095834	28.82	ng/uL	77
57)	2,3,4,6-Tetrachlorophenol	232	7.574	7.553	1.043	244428	28.96	ng/uL	96
58)	Diethylphthalate	149	7.654	7.644	1.054	843663	31.25	ng/uL	100
59)	4-Nitrophenol	109	7.448	7.372	1.025	43079	22.44	ng/uL	96
60)	Fluorene	166	7.759	7.751	1.068	904690	29.99	ng/uL	99
61)	4-Chlorophenylphenylether	204	7.755	7.748	1.068	491834	32.31	ng/uL	98
62)	p-Nitroaniline	138	7.797	7.765	1.074	238595	34.27	ng/uL	96
65)	2-Methyl-4,6-dinitroph...	198	7.808	7.790	0.910	133730	27.51	ng/uL	97
66)	Diphenylamine	169	7.864	7.853	0.916	811712	29.15	ng/uL	97
67)	1,2-Diphenylhydrazine	77	7.895	7.887	0.920	530689	28.04	ng/uL	98

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0419.D
Acq On : 04 Aug 2025 21:43
Operator : LL2
InstName : MSDB
Sample : |1206188061|2839582|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 06 14:06:27 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

	Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
68)	4-Bromophenylphenylether	248	8.182	8.179	0.953	330033	30.75	ng/uL	97
69)	Hexachlorobenzene	284	8.238	8.231	0.960	378401	28.80	ng/uL	99
70)	Pentachlorophenol	266	8.427	8.402	0.982	198056	25.41	ng/uL	99
71)	n-Octadecane	57	8.462	8.464	0.986	323979	25.90	ng/uL	99
72)	Dinoseb	211	8.567	8.555	0.998	221658	29.90	ng/uL	97
73)	Phenanthrene	178	8.602	8.590	1.002	1397972	29.04	ng/uL	100
74)	Anthracene	178	8.644	8.635	1.007	1433403	29.72	ng/uL	99
75)	Carbazole	167	8.791	8.771	1.024	1371389	31.56	ng/uL	100
76)	Di-n-butylphthalate	149	9.064	9.056	1.056	1583929	33.09	ng/uL	100
77)	Fluoranthene	202	9.619	9.608	1.121	1685076	31.04	ng/uL	99
78)	Pyrene	202	9.812	9.802	1.143	1756198	31.54	ng/uL	99
81)	Butylbenzylphthalate	149	10.375	10.366	0.941	724849	33.19	ng/uL	98
82)	bis(2-Ethylhexyl)phtha...	149	11.017	11.010	0.999	1078008	30.92	ng/uL	98
83)	Benzo(a)anthracene	228	11.013	10.999	0.999	1798084	28.57	ng/uL	100
84)	Chrysene	228	11.059	11.045	1.003	1705363	29.06	ng/uL	99
85)	Methoxychlor	227	10.915	10.905	0.990	924948	26.28	ng/uL	99
86)	Methylenebis(2-chloroa...	231	10.978	10.961	0.996	345825	28.28	ng/uL	99
87)	Di-n-octylphthalate	149	11.948	11.939	1.083	1874094	32.29	ng/uL	100
89)	Benzo(b)fluoranthene	252	12.590	12.561	0.949	2085922	32.19	ng/uL	97
90)	Benzo(k)fluoranthene	252	12.636	12.610	0.952	1911560	29.11	ng/uL	98
91)	Benzo(a)pyrene	252	13.164	13.136	0.992	1718634	28.05	ng/uL	98
92)	Indeno(1,2,3-cd)pyrene	276	15.451	15.404	1.164	1909379	28.95	ng/uL	97
93)	Dibenzo(a,h)anthracene	278	15.504	15.467	1.168	1932624	29.07	ng/uL	98
94)	Benzo(ghi)perylene	276	16.028	15.983	1.208	1944527	29.01	ng/uL	98
97)	1,4-Dioxane	88	1.753	1.776	0.425	91261	21.81	ng/uL	100
98)	Methyl methacrylate	69	1.750	1.773	0.424	96384	20.69	ng/uL	95
99)	Ethyl methacrylate	69	2.198	2.221	0.533	154334	21.40	ng/uL	98
100)	2-Picoline	93	2.452	2.463	0.595	44968	3.80	ng/uL	98
101)	N-Nitrosomethylethylamine	88	2.507	2.522	0.608	115403	27.33	ng/uL	99
102)	Methyl methanesulfonate	80	2.740	2.754	0.665	92407	23.11	ng/uL	98
103)	N-Nitrosodiethylamine	102	3.084	3.101	0.748	121302	27.10	ng/uL	98
104)	2-Butoxyethanol	57	3.140	3.157	0.762	200220	25.45	ng/uL	100
105)	Ethyl methanesulfonate	79	3.345	3.357	0.811	184224	27.54	ng/uL	96
106)	Benzaldehyde	77	3.685	3.707	0.894	158384	23.98	ng/uL	99
107)	Pentachloroethane	167	3.838	3.865	0.931	114212	22.76	ng/uL	98
108)	N-Nitrosopyrrolidine	100	4.533	4.548	1.099	108986	24.41	ng/uL	100
109)	Acetophenone	105	4.554	4.579	1.105	397524	26.48	ng/uL	99
110)	N-Nitrosomorpholine	56	4.575	4.593	1.110	88374	30.46	ng/uL	94
111)	o-Toluidine	106	4.596	4.618	1.115	421797	24.15	ng/uL	97
113)	N-Nitrosopiperidine	114	4.916	4.917	0.889	147878	26.12	ng/uL	99
115)	2,6-Dichlorophenol	162	5.626	5.629	1.018	303240	27.61	ng/uL	100
116)	Hexachloropropene	213	5.643	5.661	1.021	159898	22.50	ng/uL	99
117)	Caprolactam	113	5.995	5.961	1.084	45345	15.56	ng/uL	78
118)	N-Nitrosodi-n-butylamine	116	5.970	5.981	1.080	53826	26.80	ng/uL	99
119)	Safrole	162	6.183	6.198	1.118	274021	25.91	ng/uL	99
121)	1,2,4,5-Tetrachloroben...	216	6.433	6.441	0.886	340343	24.45	ng/uL	100
122)	1,1-Biphenyl	154	6.726	6.733	0.926	848234	25.61	ng/uL	99
123)	Isosafrole	162	6.691	6.698	0.921	323400	28.34	ng/uL	99
124)	1,4-Naphthoquinone	158	6.918	6.915	0.953	541598	58.39	ng/uL	100

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0419.D
Acq On : 04 Aug 2025 21:43
Operator : LL2
InstName : MSDB
Sample : |1206188061|2839582|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 06 14:06:27 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

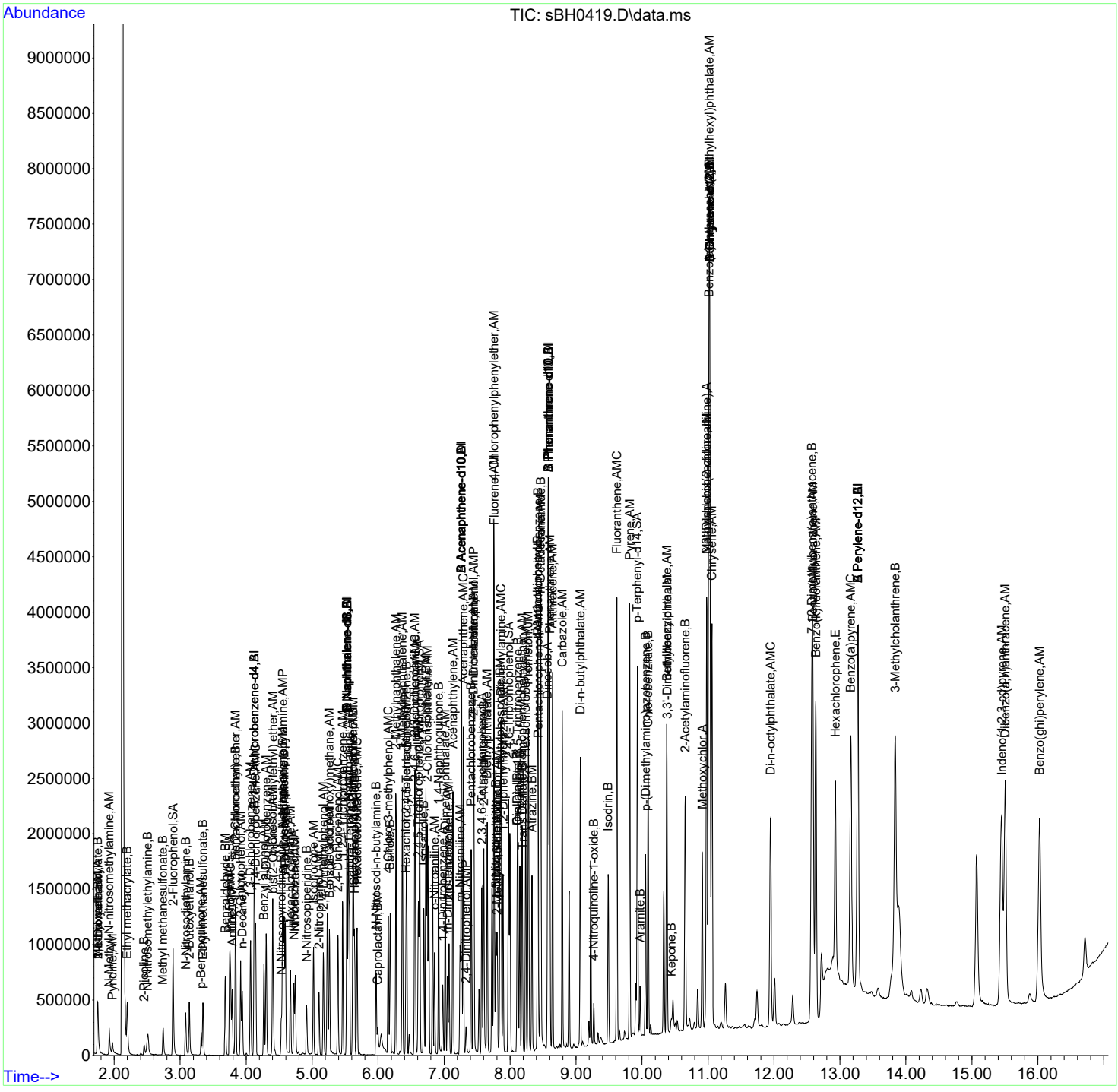
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
125) Pentachlorobenzene	250	7.409	7.420	1.020	354191	26.38	ng/uL	98
127) 2-Naphthylamine	143	7.601	7.601	1.047	719214	25.94	ng/uL	99
128) 5-Nitro-o-toluidine	152	7.783	7.775	1.072	245653	31.46	ng/uL	99
129) Tributylphosphate	99	7.850	7.852	1.081	851734	31.42	ng/uL	99
131) 1,3,5-Trinitrobenzene	74	8.115	8.084	0.946	73561	37.65	ng/uL	86
132) Phenacetin	108	8.147	8.133	0.949	342358	29.38	ng/uL	96
133) Diallate	86	8.108	8.115	0.945	186136	27.54	ng/uL	92
134) Cis Diallate	86	8.108	8.115	0.945	186136	23.41	ng/uL	92
135) Trans Diallate	86	8.189	8.196	0.954	61884	3.92	ng/uL	92
136) Atrazine	200	8.332	8.328	0.971	221274	24.58	ng/uL	99
137) 4-Aminobiphenyl	169	8.416	8.416	0.981	874829	24.31	ng/uL	100
138) Pentachloronitrobenzene	237	8.423	8.426	0.982	92367	29.33	ng/uL	100
139) Pronamide	173	8.465	8.465	0.987	440650	31.39	ng/uL	97
140) 4-Nitroquinoline-1-oxide	160	9.268	9.266	1.080	29639	23.43	ng/uL#	60
142) Isodrin	193	9.485	9.499	1.105	135254	24.37	ng/uL	98
144) Aramite	185	9.971	9.990	0.904	63347	10.12	ng/uL	99
145) Kepone	272	10.442	10.462	0.947	38193	6.48	ng/uL	84
146) p-(Dimethylamino)azobe...	120	10.055	10.074	0.912	314699	26.36	ng/uL	93
147) Chlorobenzilate	251	10.090	10.113	0.915	555533	32.16	ng/uL	95
148) 2-Acetylaminofluorene	181	10.654	10.658	0.966	672442	30.42	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	12.572	12.600	0.947	772449	25.35	ng/uL	99
151) 3-Methylcholanthrene	269	13.838	13.862	1.043	197072	25.19	ng/uL	98
153) Sulfolane	56	5.640	5.633	1.020	64163	29.13	ng/uL	99
155) Prometon	210	8.276	8.272	0.964	257790	31.39	ng/uL	95
158) 3,3'-Dimethylbenzidine	212	10.379	10.392	0.941	243580	6.42	ng/uL	97
159) 3,3'-Dichlorobenzidine	252	10.978	10.990	0.996	711864	28.77	ng/uL	97
176) Hexachlorophene	196	12.930	12.944	0.974	270759	237.14	ng/uL	97

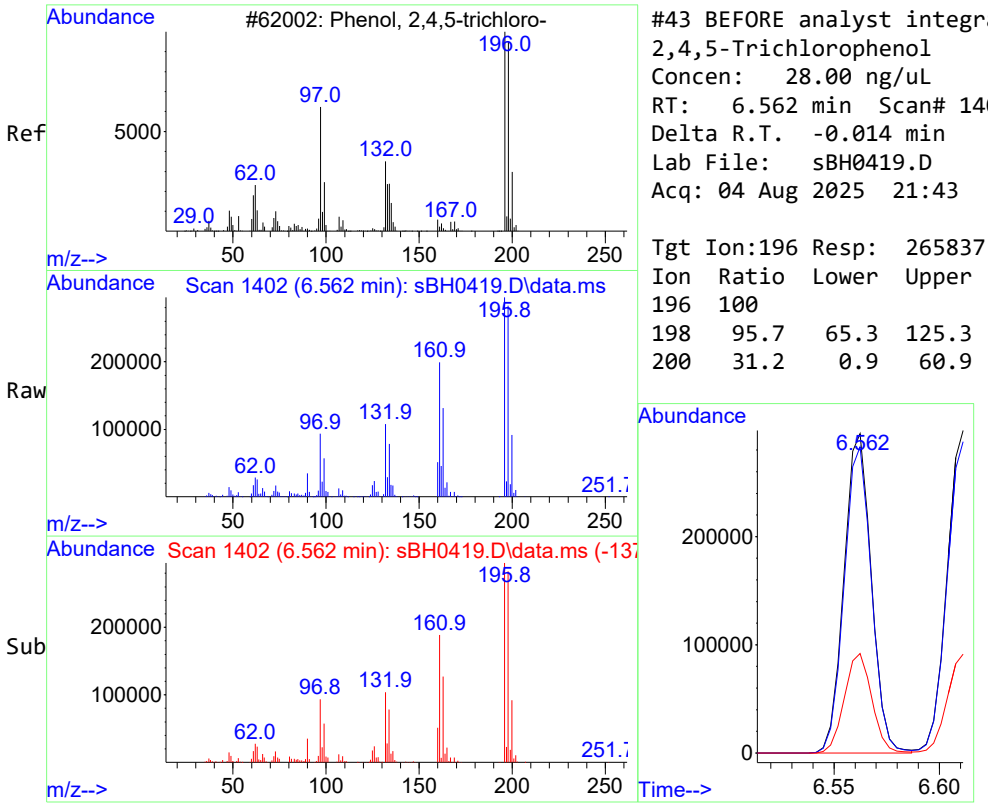
(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080425\
Data File : sBH0419.D
Acq On : 04 Aug 2025 21:43
Operator : LL2
InstName : MSDB
Sample : |1206188061|2839582|1|SVM|1|MSD|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 06 14:06:27 2025
Quant Method : D:\MSDChem\1\Data\s080425\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

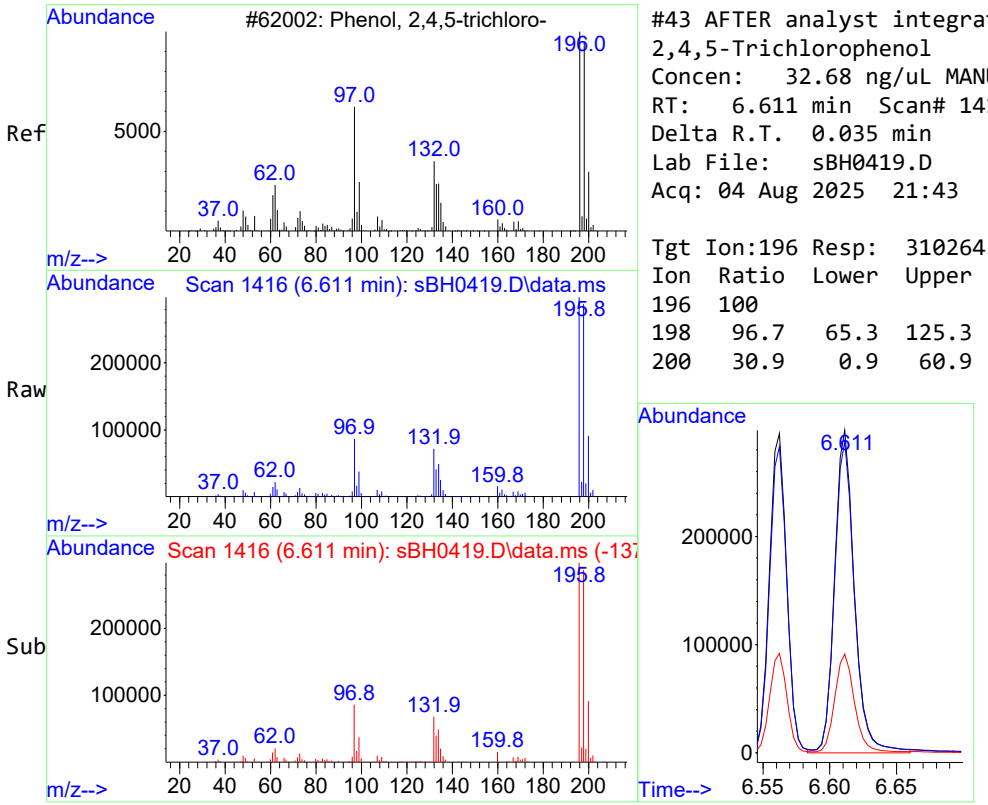




#43 BEFORE analyst integration
2,4,5-Trichlorophenol
Concen: 28.00 ng/uL
RT: 6.562 min Scan# 1402
Delta R.T. -0.014 min
Lab File: sBH0419.D
Acq: 04 Aug 2025 21:43

Tgt Ion:196 Resp: 265837

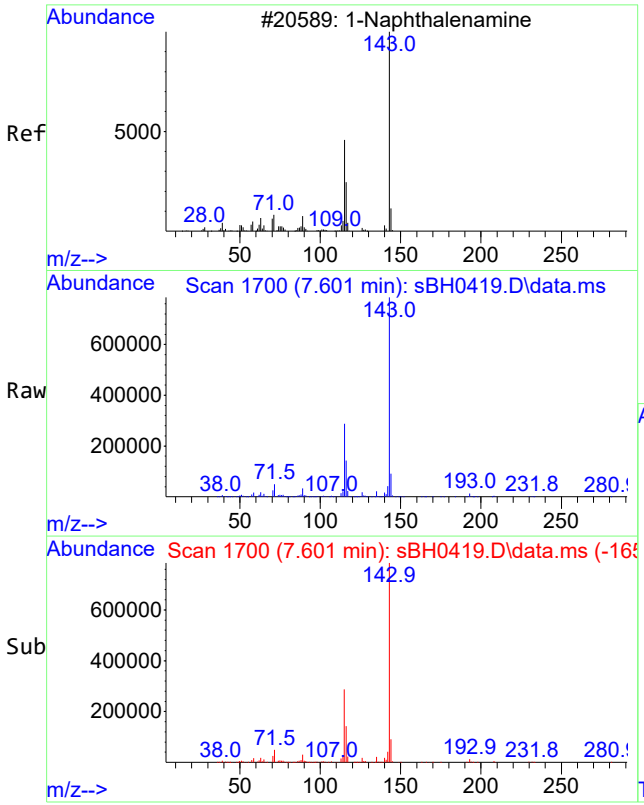
Ion	Ratio	Lower	Upper
196	100		
198	95.7	65.3	125.3
200	31.2	0.9	60.9



#43 AFTER analyst integration
2,4,5-Trichlorophenol AP
Concen: 32.68 ng/uL MANUALLY INTEGRATED
RT: 6.611 min Scan# 1416
Delta R.T. 0.035 min
Lab File: sBH0419.D
Acq: 04 Aug 2025 21:43

Tgt Ion:196 Resp: 310264

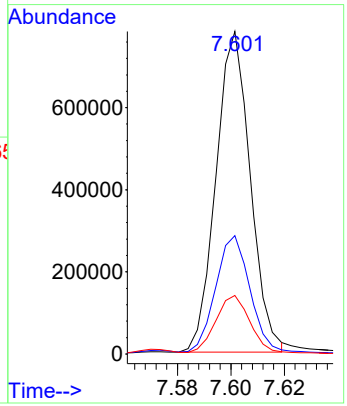
Ion	Ratio	Lower	Upper
196	100		
198	96.7	65.3	125.3
200	30.9	0.9	60.9



#126 BEFORE analyst DELETION
1-Naphthylamine
Concen: 26.06 ng/uL
RT: 7.601 min Scan# 1700
Delta R.T. 0.074 min
Lab File: sBH0419.D
Acq: 04 Aug 2025 21:43

Tgt Ion:143 Resp: 695889

Ion	Ratio	Lower	Upper
143	100		
115	36.1	6.9	66.9
116	17.3	0.0	51.6



Miscellaneous

LL
08/06/2025

BAB
08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0503.D
Acq On : 05 Aug 2025 16:46
Operator : LL2
InstName : MSDB
Sample : |WBN250613-54.2|CCV|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 10:48:39 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
Internal Standards								Dev(Min)
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.151	1.000	353620	40.00	ng/uL	0.00
22) A Naphthalene-d8	136	5.538	5.538	1.000	1240547	40.00	ng/uL	0.00
39) A Acenaphthene-d10	164	7.268	7.268	1.000	691189	40.00	ng/uL	0.00
64) A Phenanthrene-d10	188	8.581	8.581	1.000	1433791	40.00	ng/uL	0.00
80) A Chrysene-d12	240	11.032	11.032	1.000	1704957	40.00	ng/uL	0.00
88) A Perylene-d12	264	13.278	13.278	1.000	1865878	40.00	ng/uL	0.00
96) B 1,4-Dichlorobenzene-d4	152	4.151	4.151	1.000	353620	40.00	ng/uL	0.00
112) B Naphthalene-d8	136	5.538	5.538	1.000	1240547	40.00	ng/uL	0.00
120) B Acenaphthene-d10	164	7.268	7.268	1.000	691189	40.00	ng/uL	0.00
130) B Phenanthrene-d10	188	8.581	8.581	1.000	1433791	40.00	ng/uL	0.00
143) B Chrysene-d12	240	11.032	11.032	1.000	1704957	40.00	ng/uL	0.00
149) B Perylene-d12	264	13.278	13.278	1.000	1865878	40.00	ng/uL	0.00
152) J Naphthalene-d8	136	5.538	5.538	1.000	1240547	40.00	ng/uL	0.00
154) J Phenanthrene-d10	188	8.581	8.581	1.000	1433791	40.00	ng/uL	0.00
157) J Chrysene-d12	240	11.032	11.032	1.000	1704957	40.00	ng/uL	0.00
160) D Naphthalene-d8	136	5.538	5.538	1.000	1240547	40.00	ng/uL	0.00
162) D Acenaphthene-d10	164	7.268	7.268	1.000	691189	40.00	ng/uL	0.00
164) D Phenanthrene-d10	188	8.581	8.581	1.000	1433791	40.00	ng/uL	0.00
171) D Chrysene-d12	240	11.032	11.032	1.000	1704957	40.00	ng/uL	0.00
173) E Naphthalene-d8	136	5.538	5.538	1.000	1240547	40.00	ng/uL	0.00
175) E Perylene-d12	264	13.278	13.278	1.000	1865878	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
5) 2-Fluorophenol	112	0.000	2.893	0.000	0	0.00	ng/uL	
8) Phenol-d5	99	0.000	3.741	0.000	0	0.00	ng/uL	
23) Nitrobenzene-d5	82	0.000	4.728	0.000	0	0.00	ng/uL	
44) 2-Fluorobiphenyl	172	6.683	6.683	0.919	922	0.03	ng/uL	0.00
63) 2,4,6-Tribromophenol	330	0.000	7.984	0.000	0	0.00	ng/uL	
79) p-Terphenyl-d14	244	9.934	9.934	1.158	1480	0.04	ng/uL	0.00

Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
97) 1,4-Dioxane	88	1.871	1.871	0.451	148931	39.86	ng/uL	99
98) Methyl methacrylate	69	1.864	1.864	0.449	170136	40.90	ng/uL	98
99) Ethyl methacrylate	69	2.288	2.288	0.551	265326	41.22	ng/uL	98
100) 2-Picoline	93	2.545	2.545	0.613	427984	40.54	ng/uL	99
101) N-Nitrosomethylethylamine	88	2.587	2.587	0.623	157652	41.82	ng/uL	100
102) Methyl methanesulfonate	80	2.806	2.806	0.676	146999	41.19	ng/uL	100
103) N-Nitrosodiethylamine	102	3.139	3.139	0.756	167462	41.91	ng/uL	99
104) 2-Butoxyethanol	57	3.195	3.195	0.770	292710	41.68	ng/uL	100
105) Ethyl methanesulfonate	79	3.390	3.390	0.817	245074	41.05	ng/uL	100
106) Benzaldehyde	77	3.720	3.720	0.896	248846	42.21	ng/uL	99
107) Pentachloroethane	167	3.869	3.869	0.932	193295	43.15	ng/uL	100
108) N-Nitrosopyrrolidine	100	4.554	4.554	1.097	166057	41.66	ng/uL	100
109) Acetophenone	105	4.578	4.578	1.103	549971	41.03	ng/uL	99
110) N-Nitrosomorpholine	56	4.592	4.592	1.106	112513	43.44	ng/uL	99
111) o-Toluidine	106	4.613	4.613	1.111	641851	41.16	ng/uL	99
113) N-Nitrosopiperidine	114	4.933	4.933	0.891	202271	41.40	ng/uL	99

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0503.D
Acq On : 05 Aug 2025 16:46
Operator : LL2
InstName : MSDB
Sample : |WBN250613-54.2|CCV|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 10:48:39 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

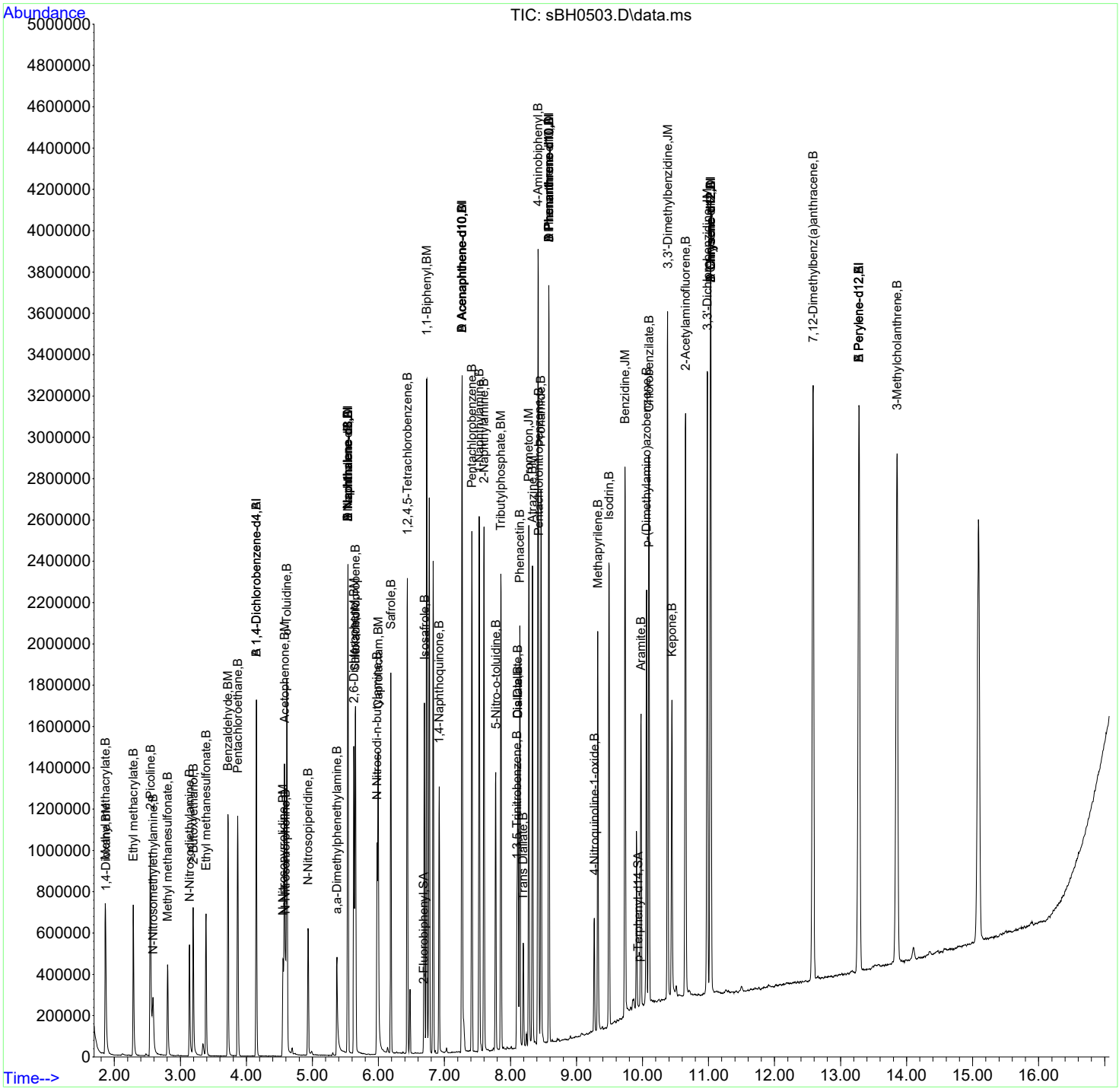
Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	
114) a,a-Dimethylphenethyla...	58	5.371	5.371	0.970	451334	34.59	ng/uL	97
115) 2,6-Dichlorophenol	162	5.628	5.628	1.016	398395	42.04	ng/uL	99
116) Hexachloropropene	213	5.653	5.653	1.021	286398	46.70	ng/uL	100
117) Caprolactam	113	5.997	5.997	1.083	107230	42.64	ng/uL	97
118) N-Nitrosodi-n-butylamine	116	5.980	5.980	1.080	72727	41.97	ng/uL	99
119) Safrole	162	6.189	6.189	1.118	393672	43.14	ng/uL	98
121) 1,2,4,5-Tetrachloroben...	216	6.439	6.439	0.886	506078	43.08	ng/uL	100
122) 1,1-Biphenyl	154	6.732	6.732	0.926	1183115	42.32	ng/uL	99
123) Isosafrole	162	6.697	6.697	0.921	415104	43.09	ng/uL	99
124) 1,4-Naphthoquinone	158	6.920	6.920	0.952	340433	43.49	ng/uL	99
125) Pentachlorobenzene	250	7.415	7.415	1.020	473728	41.80	ng/uL	97
126) 1-Naphthylamine	143	7.526	7.526	1.036	986470	43.77	ng/uL	98
127) 2-Naphthylamine	143	7.599	7.599	1.046	998003	42.65	ng/uL	99
128) 5-Nitro-o-toluidine	152	7.777	7.777	1.070	301505	45.76	ng/uL	98
129) Tributylphosphate	99	7.854	7.854	1.081	1050256	45.90	ng/uL	99
131) 1,3,5-Trinitrobenzene	74	8.098	8.098	0.944	79760	49.37	ng/uL	98
132) Phenacetin	108	8.140	8.140	0.949	412164	42.78	ng/uL	98
133) Diallate	86	8.112	8.112	0.945	233232	41.74	ng/uL	95
134) Cis Diallate	86	8.112	8.112	0.945	233232	35.48	ng/uL	95
135) Trans Diallate	86	8.193	8.193	0.955	80557	6.17	ng/uL	94
136) Atrazine	200	8.333	8.333	0.971	320808	43.11	ng/uL	99
137) 4-Aminobiphenyl	169	8.417	8.417	0.981	1278605	42.98	ng/uL	99
138) Pentachloronitrobenzene	237	8.427	8.427	0.982	117241	45.02	ng/uL	98
139) Pronamide	173	8.462	8.462	0.986	502365	43.28	ng/uL	98
140) 4-Nitroquinoline-1-oxide	160	9.271	9.271	1.080	39338	32.45	ng/uL#	63
141) Methapyrilene	58	9.323	9.323	1.086	451329	49.17	ng/uL	99
142) Isodrin	193	9.492	9.492	1.106	196649	42.85	ng/uL	100
144) Aramite	185	9.977	9.977	0.904	219644	44.50	ng/uL	98
145) Kepone	272	10.445	10.445	0.947	208441	44.88	ng/uL	98
146) p-(Dimethylamino)azobe...	120	10.061	10.061	0.912	397018	42.18	ng/uL	96
147) Chlorobenzilate	251	10.096	10.096	0.915	607101	44.58	ng/uL	96
148) 2-Acetylaminofluorene	181	10.652	10.652	0.966	836350	47.99	ng/uL	99
150) 7,12-Dimethylbenz(a)an...	256	12.584	12.584	0.948	1035874	41.70	ng/uL	100
151) 3-Methylcholanthrene	269	13.856	13.856	1.044	275904	43.25	ng/uL	98
153) Sulfolane	56	5.649	5.649	1.020	81075	42.66	ng/uL	99
155) Prometon	210	8.277	8.277	0.964	297042	43.75	ng/uL	100
156) Benzidine	184	9.734	9.734	1.134	1258083	51.04	ng/uL	99
158) 3,3'-Dimethylbenzidine	212	10.381	10.381	0.941	1378354	46.08	ng/uL	99
159) 3,3'-Dichlorobenzidine	252	10.983	10.983	0.996	972404	49.85	ng/uL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0503.D
Acq On : 05 Aug 2025 16:46
Operator : LL2
InstName : MSDB
Sample : |WBN250613-54.2|CCV|1|SVM|1|APX-4
Misc : MIX[B,J]
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 10:48:39 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList :
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL 08/06/2025

BAB 08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0505.D
Acq On : 05 Aug 2025 17:25
Operator : LL2
InstName : MSDB
Sample : |1206188054|2839582|1|SVM|d|MB|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 13:45:09 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	459845	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.539	5.538	1.000	1695465	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.267	7.270	1.000	969080	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.582	8.583	1.000	1989068	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.033	11.039	1.000	2381339	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.284	13.288	1.000	2553584	40.00	ng/uL	0.00
13) B 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	459845	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.539	5.538	1.000	1695465	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.267	7.270	1.000	969080	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.582	8.583	1.000	1989068	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.033	11.039	1.000	2381339	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.284	13.288	1.000	2553584	40.00	ng/uL	0.00
20) J Naphthalene-d8	136	5.539	5.538	1.000	1695465	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.582	8.583	1.000	1989068	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.033	11.039	1.000	2381339	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.539	5.538	1.000	1695465	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.267	7.270	1.000	969080	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.582	8.583	1.000	1989068	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.033	11.039	1.000	2381339	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.539	5.538	1.000	1695465	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.284	13.288	1.000	2553584	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.936	2.893	0.707	415221	32.98	ng/uL	0.04
3) Phenol-d5	99	3.759	3.741	0.906	336948	23.16	ng/uL	0.02
5) Nitrobenzene-d5	82	4.741	4.728	0.856	298554	29.68	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.684	6.685	0.920	2162	0.06	ng/uL	0.00
8) 2,4,6-Tribromophenol	330	7.976	7.984	1.098	536064	67.80	ng/uL	0.00
10) p-Terphenyl-d14	244	9.937	9.944	1.158	1721847	31.86	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	33%
3) Phenol-d5	100.000	15 - 85	23%
5) Nitrobenzene-d5	50.000	39 - 112	59%
7) 2-Fluorobiphenyl	50.000	39 - 112	0%#
8) 2,4,6-Tribromophenol	100.000	37 - 132	68%
10) p-Terphenyl-d14	50.000	24 - 129	64%

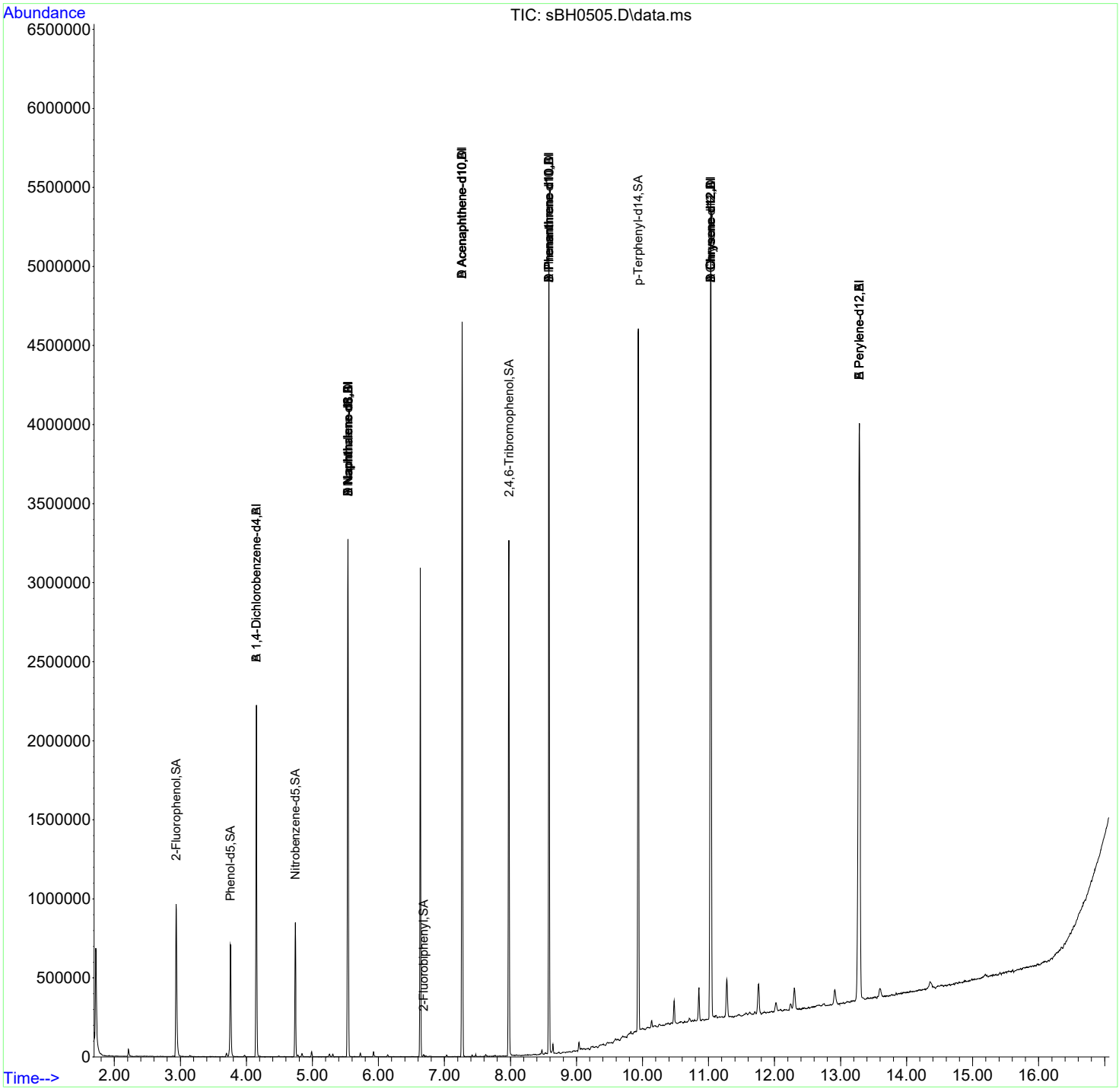
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0505.D
Acq On : 05 Aug 2025 17:25
Operator : LL2
InstName : MSDB
Sample : |1206188054|2839582|1|SVM|d|MB|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 13:45:09 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL 08/06/2025

BAB 08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0506.D
Acq On : 05 Aug 2025 17:46
Operator : LL2
InstName : MSDB
Sample : |1206188055|2839582|1|SVM|d|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 13:45:42 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	455274	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.539	5.538	1.000	1655149	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.267	7.270	1.000	949507	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.584	8.583	1.000	1985229	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.036	11.039	1.000	2425817	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.303	13.288	1.000	2578791	40.00	ng/uL	0.01
13) B 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	455274	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.539	5.538	1.000	1655149	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.267	7.270	1.000	949507	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.584	8.583	1.000	1985229	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.036	11.039	1.000	2425817	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.303	13.288	1.000	2578791	40.00	ng/uL	0.01
20) J Naphthalene-d8	136	5.539	5.538	1.000	1655149	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.584	8.583	1.000	1985229	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.036	11.039	1.000	2425817	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.539	5.538	1.000	1655149	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.267	7.270	1.000	949507	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.584	8.583	1.000	1985229	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.036	11.039	1.000	2425817	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.539	5.538	1.000	1655149	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.303	13.288	1.000	2578829	40.00	ng/uL	0.01
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.938	2.893	0.708	399445	32.04	ng/uL	0.04
3) Phenol-d5	99	3.761	3.741	0.906	358865	24.91	ng/uL	0.02
5) Nitrobenzene-d5	82	4.742	4.728	0.856	298647	30.41	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.636	6.685	0.913	1073976	29.59	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.975	7.984	1.098	540994	69.83	ng/uL	0.00
10) p-Terphenyl-d14	244	9.936	9.944	1.157	1701839	31.55	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	32%
3) Phenol-d5	100.000	15 - 85	25%
5) Nitrobenzene-d5	50.000	39 - 112	61%
7) 2-Fluorobiphenyl	50.000	39 - 112	59%
8) 2,4,6-Tribromophenol	100.000	37 - 132	70%
10) p-Terphenyl-d14	50.000	24 - 129	63%

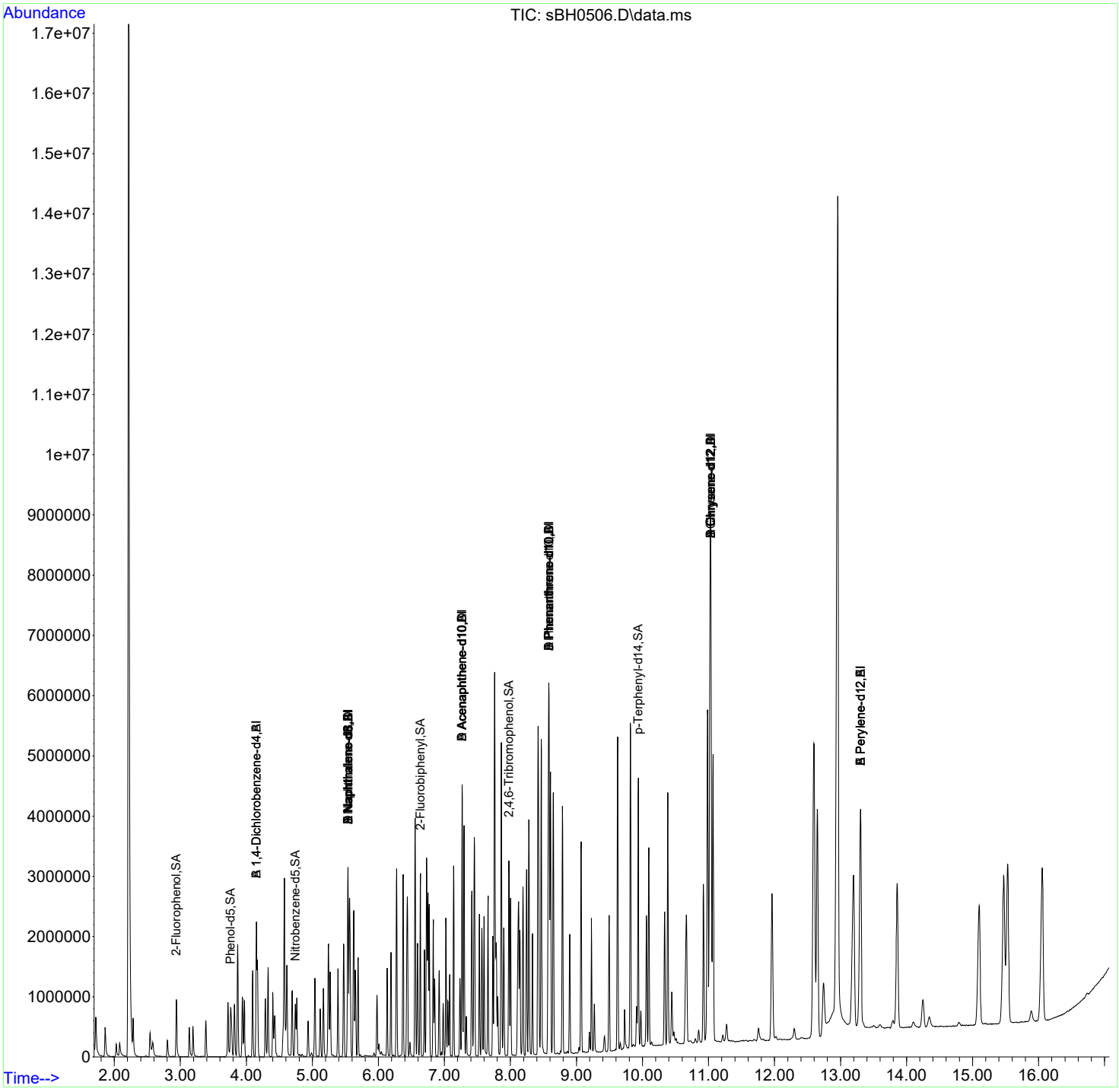
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0506.D
Acq On : 05 Aug 2025 17:46
Operator : LL2
InstName : MSDB
Sample : |1206188055|2839582|1|SVM|d|LCS|||
Misc : |MSD1C70E_L|WATER|QC A|mix[a,b,j,e]||
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 13:45:42 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL 08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0510.D
Acq On : 05 Aug 2025 19:12
Operator : LL2
InstName : MSDB
Sample : |735995001|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16C1|mix[a,b,j,e]||
ALS Vial : 13 Sample Multiplier: 1

BAB 08/08/2025

Quant Time: Aug 06 13:46:22 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.153	4.152	1.000	451898	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.538	5.538	1.000	1654685	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.270	7.270	1.000	981213	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.586	8.583	1.000	2026923	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.039	11.039	1.000	2454246	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.292	13.288	1.000	2645513	40.00	ng/uL	0.00
13) B 1,4-Dichlorobenzene-d4	152	4.153	4.152	1.000	451898	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.538	5.538	1.000	1654685	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.270	7.270	1.000	981213	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.586	8.583	1.000	2026923	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.039	11.039	1.000	2454246	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.292	13.288	1.000	2645513	40.00	ng/uL	0.00
20) J Naphthalene-d8	136	5.538	5.538	1.000	1654685	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.586	8.583	1.000	2026923	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.039	11.039	1.000	2454246	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.538	5.538	1.000	1654685	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.270	7.270	1.000	981213	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.586	8.583	1.000	2026923	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.039	11.039	1.000	2454246	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.538	5.538	1.000	1654685	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.292	13.288	1.000	2645513	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.945	2.893	0.709	332661	26.88	ng/uL	0.05
3) Phenol-d5	99	3.771	3.741	0.908	285007	19.94	ng/uL	0.03
5) Nitrobenzene-d5	82	4.743	4.728	0.856	286494	29.19	ng/uL	0.02
7) 2-Fluorobiphenyl	172	6.637	6.685	0.913	1016076	27.09	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.981	7.984	1.098	510897	63.82	ng/uL	0.00
10) p-Terphenyl-d14	244	9.938	9.944	1.158	1145970	20.81	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	27%
3) Phenol-d5	100.000	15 - 85	20%
5) Nitrobenzene-d5	50.000	39 - 112	58%
7) 2-Fluorobiphenyl	50.000	39 - 112	54%
8) 2,4,6-Tribromophenol	100.000	37 - 132	64%
10) p-Terphenyl-d14	50.000	24 - 129	42%

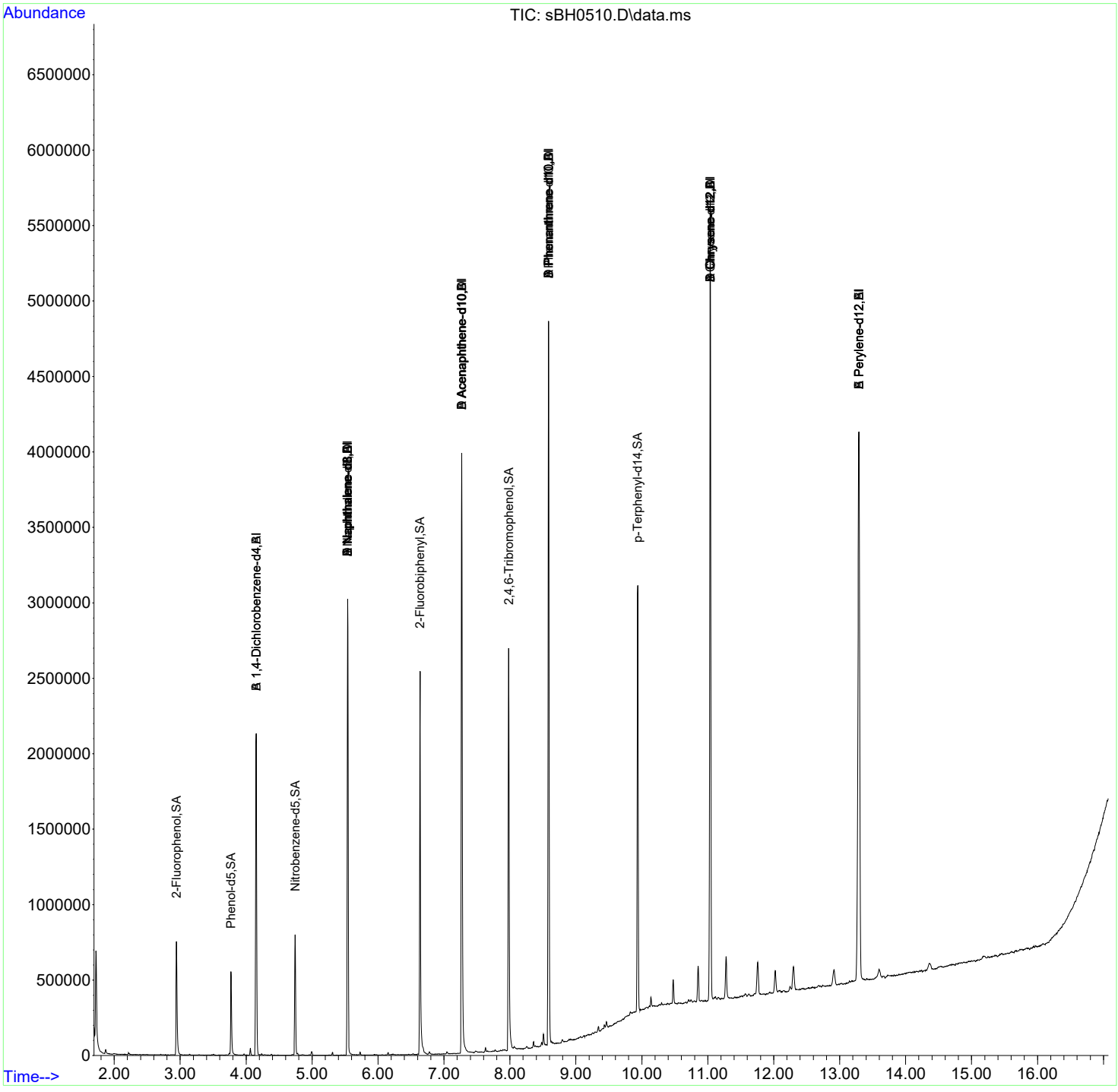
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0510.D
Acq On : 05 Aug 2025 19:12
Operator : LL2
InstName : MSDB
Sample : |735995001|2839582|1|SVM|1|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16C1|mix[a,b,j,e]||
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 06 13:46:22 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0511.D
Acq On : 05 Aug 2025 19:33
Operator : LL2
InstName : MSDB
Sample : |735995002|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16MW8|mix[a,b,j,e]||
ALS Vial : 14 Sample Multiplier: 1

RAB
08/08/2025

Quant Time: Aug 06 13:46:47 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.152	4.152	1.000	450956	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.540	5.538	1.000	1692784	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.270	7.270	1.000	983076	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.586	8.583	1.000	2030168	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.036	11.039	1.000	2411598	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.289	13.288	1.000	2590224	40.00	ng/uL	0.00
13) B 1,4-Dichlorobenzene-d4	152	4.152	4.152	1.000	450956	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.540	5.538	1.000	1692784	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.270	7.270	1.000	983076	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.586	8.583	1.000	2030168	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.036	11.039	1.000	2411598	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.289	13.288	1.000	2590224	40.00	ng/uL	0.00
20) J Naphthalene-d8	136	5.540	5.538	1.000	1692784	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.586	8.583	1.000	2030168	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.036	11.039	1.000	2411598	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.540	5.538	1.000	1692784	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.270	7.270	1.000	983076	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.586	8.583	1.000	2030168	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.036	11.039	1.000	2411598	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.540	5.538	1.000	1692784	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.289	13.288	1.000	2590224	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.944	2.893	0.709	307302	24.89	ng/uL	0.05
3) Phenol-d5	99	3.770	3.741	0.908	256490	17.98	ng/uL	0.03
5) Nitrobenzene-d5	82	4.742	4.728	0.856	308576	30.73	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.637	6.685	0.913	1107776	29.48	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.983	7.984	1.098	542092	67.59	ng/uL	0.00
10) p-Terphenyl-d14	244	9.938	9.944	1.157	1246005	22.59	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	25%
3) Phenol-d5	100.000	15 - 85	18%
5) Nitrobenzene-d5	50.000	39 - 112	61%
7) 2-Fluorobiphenyl	50.000	39 - 112	59%
8) 2,4,6-Tribromophenol	100.000	37 - 132	68%
10) p-Terphenyl-d14	50.000	24 - 129	45%

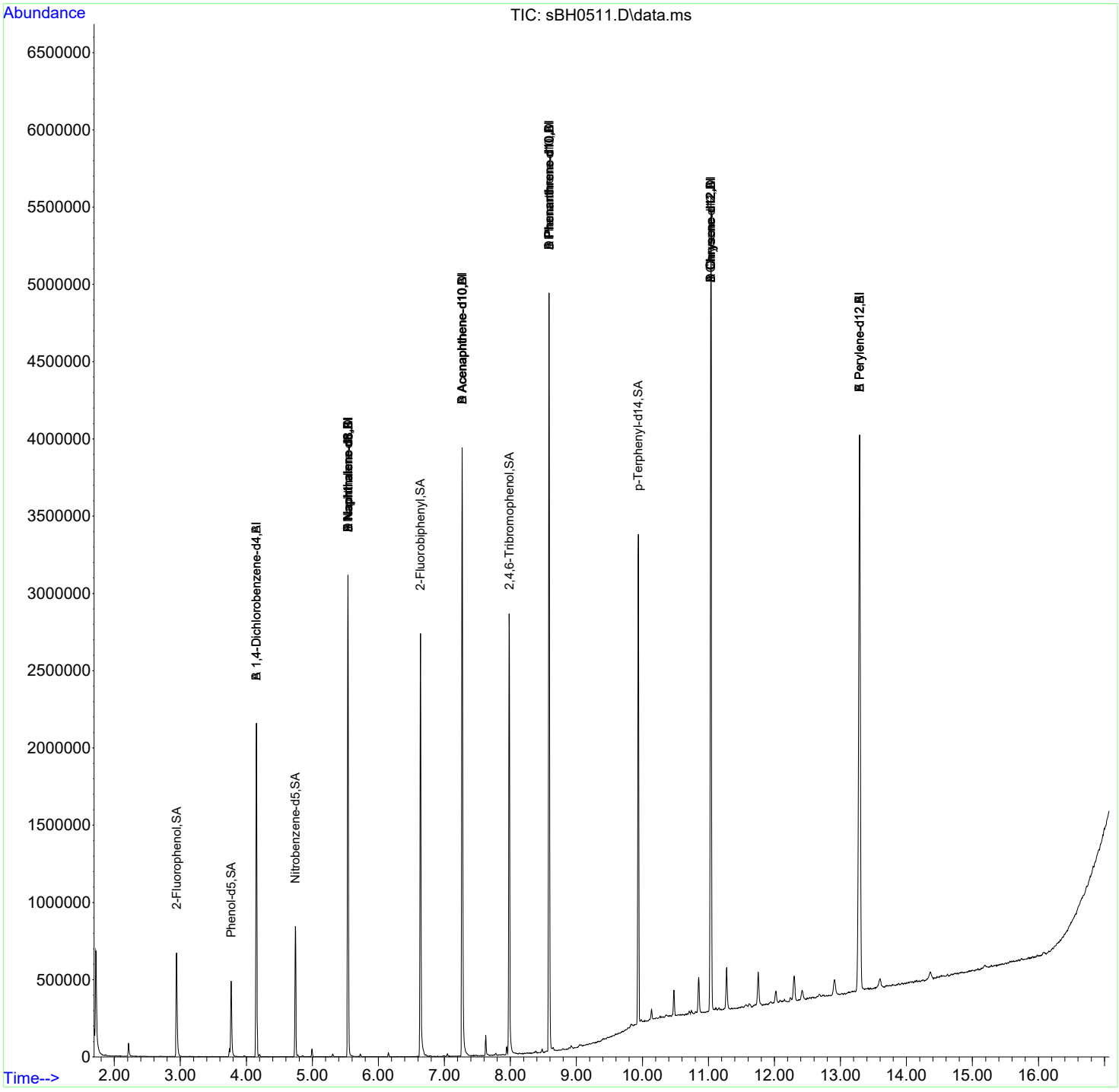
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0511.D
Acq On : 05 Aug 2025 19:33
Operator : LL2
InstName : MSDB
Sample : |735995002|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16MW8|mix[a,b,j,e]||
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 06 13:46:47 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL
08/06/2025

BAB
08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0512.D
Acq On : 05 Aug 2025 19:54
Operator : LL2
InstName : MSDB
Sample : |735995003|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16MW9|mix[a,b,j,e]||
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 06 13:47:01 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	456055	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.540	5.538	1.000	1655517	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.269	7.270	1.000	961323	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.585	8.583	1.000	1989475	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.037	11.039	1.000	2367957	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.287	13.288	1.000	2560861	40.00	ng/uL	0.00
13) B 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	456055	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.540	5.538	1.000	1655517	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.269	7.270	1.000	961323	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.585	8.583	1.000	1989475	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.037	11.039	1.000	2367957	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.287	13.288	1.000	2560861	40.00	ng/uL	0.00
20) J Naphthalene-d8	136	5.540	5.538	1.000	1655517	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.585	8.583	1.000	1989475	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.037	11.039	1.000	2367957	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.540	5.538	1.000	1655517	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.269	7.270	1.000	961323	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.585	8.583	1.000	1989475	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.037	11.039	1.000	2367957	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.540	5.538	1.000	1655517	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.287	13.288	1.000	2560861	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.944	2.893	0.709	269998	21.62	ng/uL	0.05
3) Phenol-d5	99	3.770	3.741	0.908	240205	16.65	ng/uL	0.03
5) Nitrobenzene-d5	82	4.741	4.728	0.856	271876	27.68	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.637	6.685	0.913	900176	24.50	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.982	7.984	1.098	401251	51.16	ng/uL	0.00
10) p-Terphenyl-d14	244	9.936	9.944	1.157	651851	12.06	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	22%
3) Phenol-d5	100.000	15 - 85	17%
5) Nitrobenzene-d5	50.000	39 - 112	55%
7) 2-Fluorobiphenyl	50.000	39 - 112	49%
8) 2,4,6-Tribromophenol	100.000	37 - 132	51%
10) p-Terphenyl-d14	50.000	24 - 129	24%

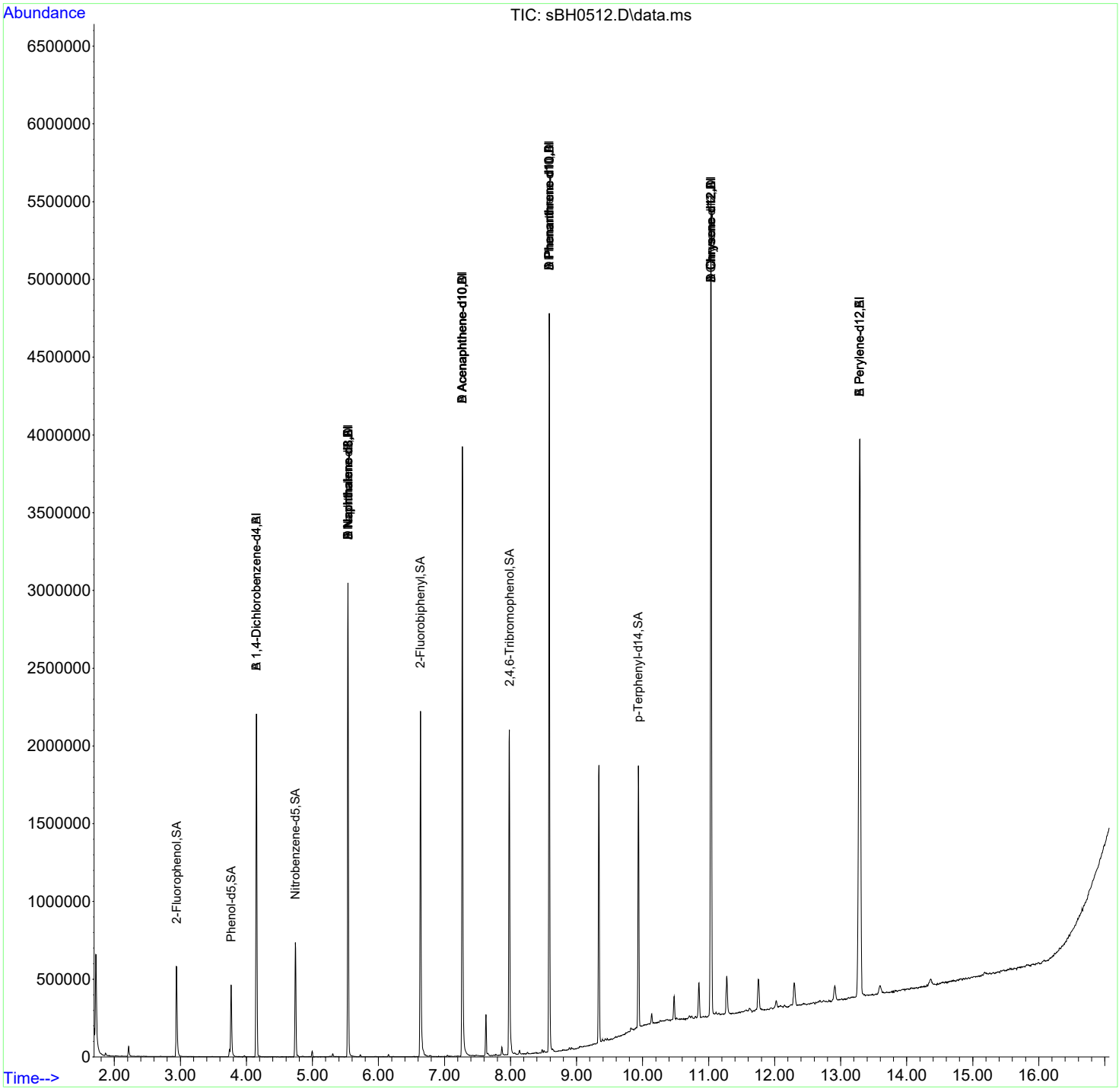
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0512.D
Acq On : 05 Aug 2025 19:54
Operator : LL2
InstName : MSDB
Sample : |735995003|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16MW9|mix[a,b,j,e]||
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 06 13:47:01 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL
08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0513.D
Acq On : 05 Aug 2025 20:15
Operator : LL2
InstName : MSDB
Sample : |735995004|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1A|mix[a,b,j,e]|
ALS Vial : 16 Sample Multiplier: 1

BAB
08/08/2025

Quant Time: Aug 06 13:47:17 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	484671	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.540	5.538	1.000	1783543	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.269	7.270	1.000	1035954	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.585	8.583	1.000	2164891	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.038	11.039	1.000	2543247	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.290	13.288	1.000	2702276	40.00	ng/uL	0.00
13) B 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	484671	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.540	5.538	1.000	1783543	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.269	7.270	1.000	1035954	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.585	8.583	1.000	2164891	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.038	11.039	1.000	2543247	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.290	13.288	1.000	2702276	40.00	ng/uL	0.00
20) J Naphthalene-d8	136	5.540	5.538	1.000	1783543	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.585	8.583	1.000	2164891	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.038	11.039	1.000	2543247	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.540	5.538	1.000	1783543	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.269	7.270	1.000	1035954	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.585	8.583	1.000	2164891	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.038	11.039	1.000	2543247	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.540	5.538	1.000	1783543	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.290	13.288	1.000	2702276	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.940	2.893	0.708	439799	33.14	ng/uL	0.05
3) Phenol-d5	99	3.770	3.741	0.908	366878	23.93	ng/uL	0.03
5) Nitrobenzene-d5	82	4.741	4.728	0.856	320860	30.32	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.637	6.685	0.913	1210923	30.58	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.979	7.984	1.098	599612	70.94	ng/uL	0.00
10) p-Terphenyl-d14	244	9.938	9.944	1.158	1635348	27.80	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	33%
3) Phenol-d5	100.000	15 - 85	24%
5) Nitrobenzene-d5	50.000	39 - 112	61%
7) 2-Fluorobiphenyl	50.000	39 - 112	61%
8) 2,4,6-Tribromophenol	100.000	37 - 132	71%
10) p-Terphenyl-d14	50.000	24 - 129	56%

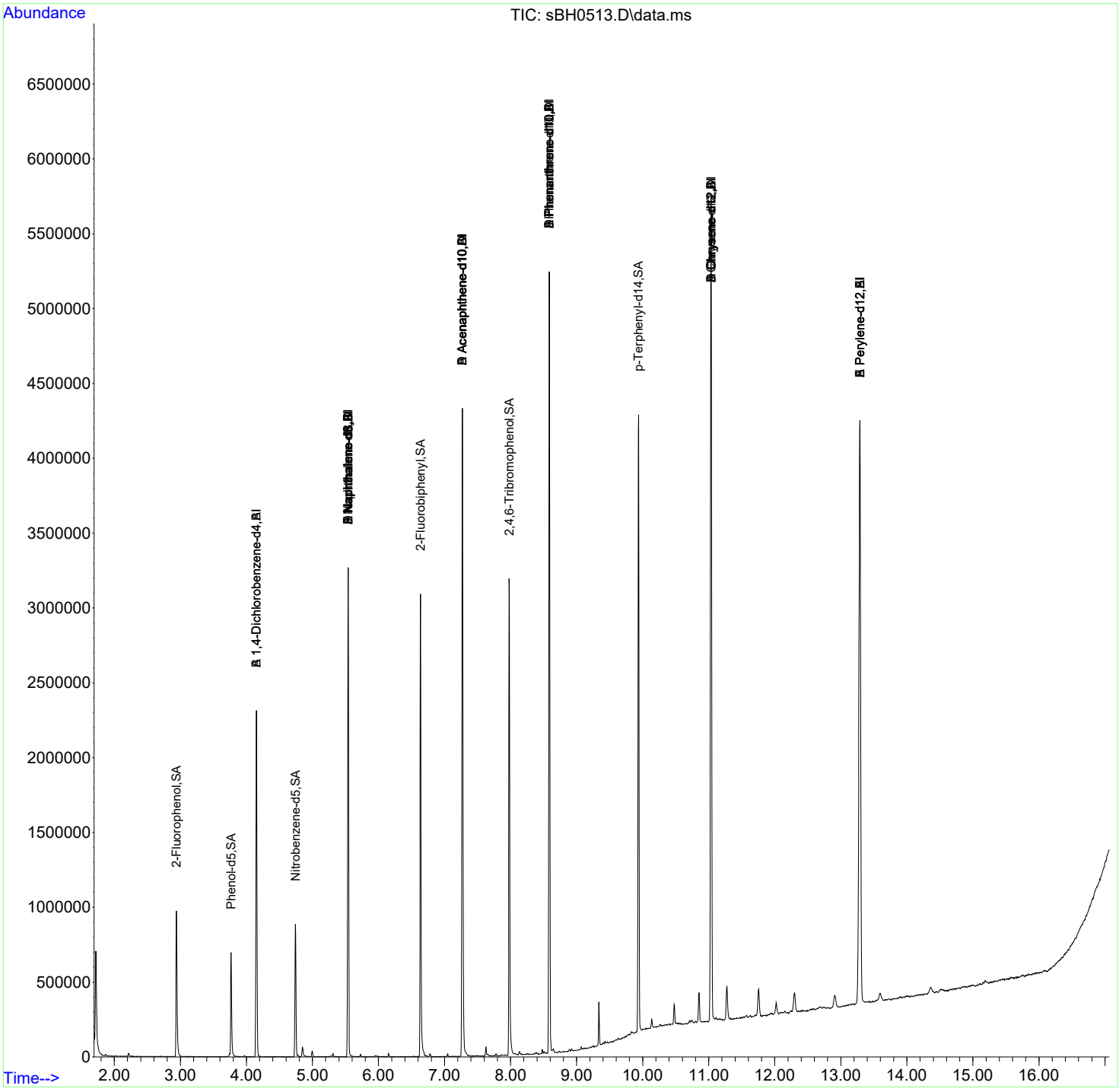
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0513.D
Acq On : 05 Aug 2025 20:15
Operator : LL2
InstName : MSDB
Sample : |735995004|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1A|mix[a,b,j,e]|
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 06 13:47:17 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL
08/06/2025

BAB
08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0514.D
Acq On : 05 Aug 2025 20:36
Operator : LL2
InstName : MSDB
Sample : |1206188060|2839582|1|SVM|d|MS|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 13:47:30 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	440353	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.539	5.538	1.000	1632278	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.268	7.270	1.000	933547	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.586	8.583	1.000	1967515	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.039	11.039	1.000	2420416	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.299	13.288	1.000	2590478	40.00	ng/uL	0.01
13) B 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	440353	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.539	5.538	1.000	1632278	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.268	7.270	1.000	933547	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.586	8.583	1.000	1967515	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.039	11.039	1.000	2420416	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.299	13.288	1.000	2590478	40.00	ng/uL	0.01
20) J Naphthalene-d8	136	5.539	5.538	1.000	1632278	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.586	8.583	1.000	1967515	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.039	11.039	1.000	2420416	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.539	5.538	1.000	1632278	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.268	7.270	1.000	933547	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.586	8.583	1.000	1967515	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.039	11.039	1.000	2420416	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.539	5.538	1.000	1632278	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.299	13.288	1.000	2590478	40.00	ng/uL	0.01
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.942	2.893	0.709	588552	48.81	ng/uL	0.05
3) Phenol-d5	99	3.769	3.741	0.908	571073	40.99	ng/uL	0.03
5) Nitrobenzene-d5	82	4.743	4.728	0.856	312894	32.31	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.637	6.685	0.913	1109655m	31.10	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.980	7.984	1.098	581802	76.39	ng/uL	0.00
10) p-Terphenyl-d14	244	9.937	9.944	1.157	1806601	33.80	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	49%
3) Phenol-d5	100.000	15 - 85	41%
5) Nitrobenzene-d5	50.000	39 - 112	65%
7) 2-Fluorobiphenyl	50.000	39 - 112	62%
8) 2,4,6-Tribromophenol	100.000	37 - 132	76%
10) p-Terphenyl-d14	50.000	24 - 129	68%

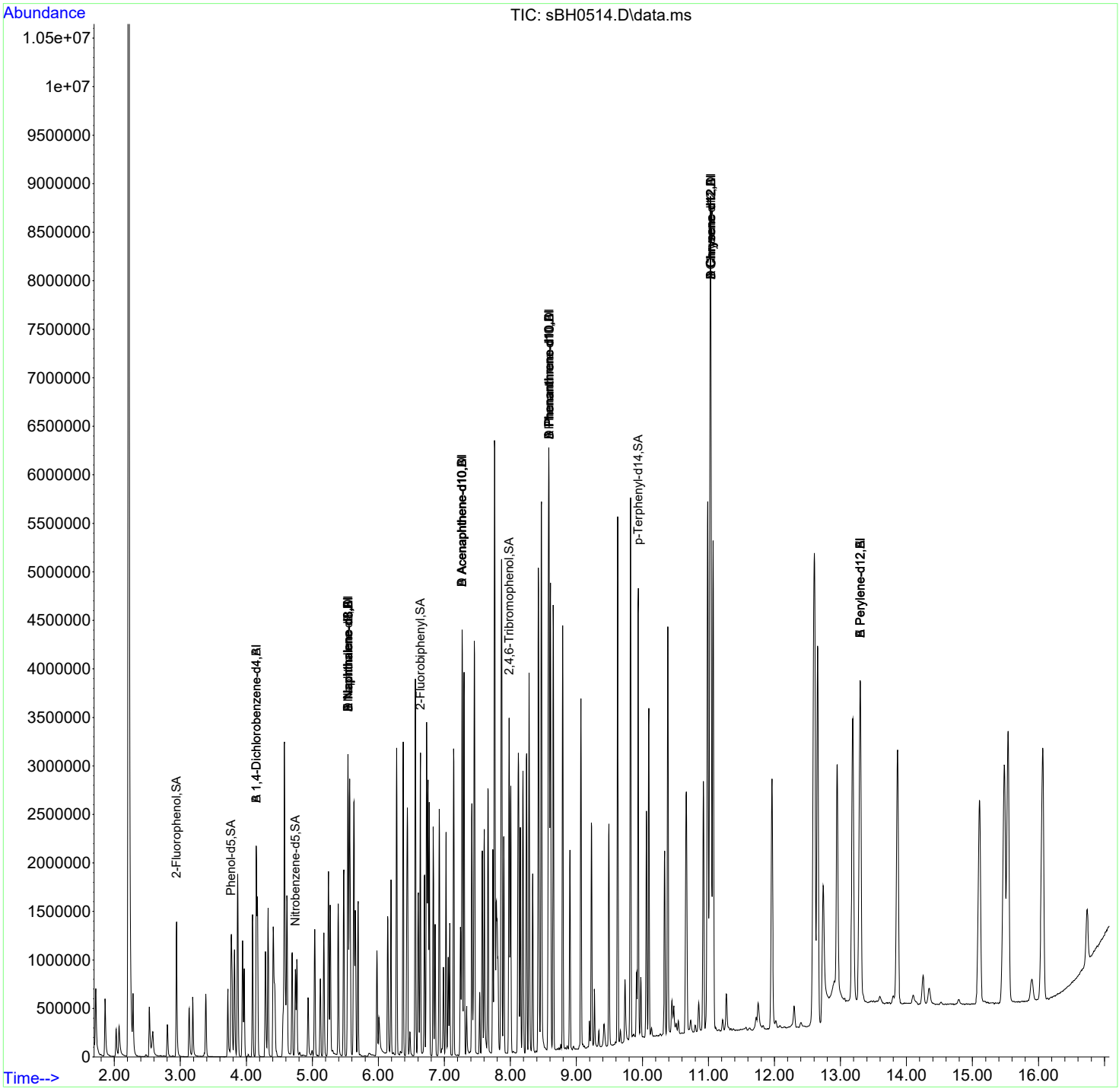
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0514.D
Acq On : 05 Aug 2025 20:36
Operator : LL2
InstName : MSDB
Sample : |1206188060|2839582|1|SVM|d|MS|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 06 13:47:30 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL 08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0515.D
Acq On : 05 Aug 2025 20:57
Operator : LL2
InstName : MSDB
Sample : |1206188061|2839582|1|SVM|d|MSD|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 18 Sample Multiplier: 1

BAB 08/08/2025

Quant Time: Aug 06 13:48:21 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	407700	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.539	5.538	1.000	1524442	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.270	7.270	1.000	887938	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.584	8.583	1.000	1828037	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.037	11.039	1.000	2216190	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.295	13.288	1.000	2361228	40.00	ng/uL	0.00
13) B 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	407700	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.539	5.538	1.000	1524442	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.270	7.270	1.000	887938	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.584	8.583	1.000	1828037	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.037	11.039	1.000	2216190	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.295	13.288	1.000	2361228	40.00	ng/uL	0.00
20) J Naphthalene-d8	136	5.539	5.538	1.000	1524442	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.584	8.583	1.000	1828037	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.037	11.039	1.000	2216190	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.539	5.538	1.000	1524442	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.270	7.270	1.000	887938	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.584	8.583	1.000	1828037	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.037	11.039	1.000	2216190	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.539	5.538	1.000	1524442	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.295	13.288	1.000	2361228	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.942	2.893	0.709	478310	42.84	ng/uL	0.05
3) Phenol-d5	99	3.768	3.741	0.908	487330	37.78	ng/uL	0.03
5) Nitrobenzene-d5	82	4.742	4.728	0.856	239393	26.47	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.636	6.685	0.913	840495	24.77	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.979	7.984	1.098	427850	59.06	ng/uL	0.00
10) p-Terphenyl-d14	244	9.934	9.944	1.157	1375057	27.69	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	43%
3) Phenol-d5	100.000	15 - 85	38%
5) Nitrobenzene-d5	50.000	39 - 112	53%
7) 2-Fluorobiphenyl	50.000	39 - 112	50%
8) 2,4,6-Tribromophenol	100.000	37 - 132	59%
10) p-Terphenyl-d14	50.000	24 - 129	55%

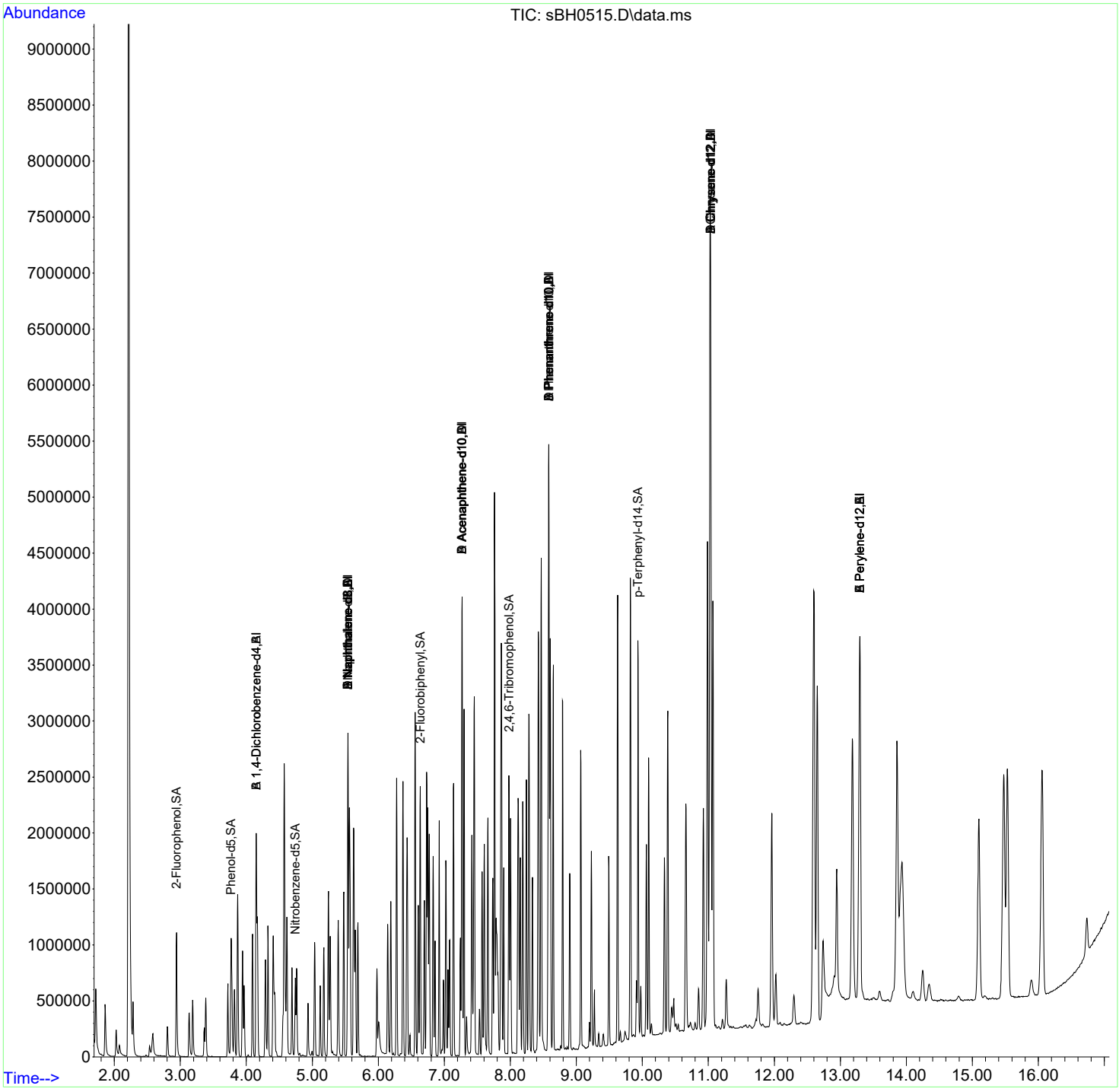
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0515.D
Acq On : 05 Aug 2025 20:57
Operator : LL2
InstName : MSDB
Sample : |1206188061|2839582|1|SVM|d|MSD|||
Misc : |MSD1C70E_L|GROUND WATER|QC A|mix[a,b,j,e]||
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 06 13:48:21 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL
08/06/2025

BAB
08/08/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0516.D
Acq On : 05 Aug 2025 21:18
Operator : LL2
InstName : MSDB
Sample : |735995005|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WDUP|mix[a,b,j,e]|
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 06 13:48:00 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	418462	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.539	5.538	1.000	1600214	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.268	7.270	1.000	937221	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.587	8.583	1.000	1944305	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.034	11.039	1.000	2394331	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.287	13.288	1.000	2559243	40.00	ng/uL	0.00
13) B 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	418462	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.539	5.538	1.000	1600214	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.268	7.270	1.000	937221	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.587	8.583	1.000	1944305	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.034	11.039	1.000	2394331	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.287	13.288	1.000	2559243	40.00	ng/uL	0.00
20) J Naphthalene-d8	136	5.539	5.538	1.000	1600214	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.587	8.583	1.000	1944305	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.034	11.039	1.000	2394331	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.539	5.538	1.000	1600214	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.268	7.270	1.000	937221	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.587	8.583	1.000	1944305	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.034	11.039	1.000	2394331	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.539	5.538	1.000	1600214	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.287	13.288	1.000	2559243	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.940	2.893	0.708	375126	32.74	ng/uL	0.05
3) Phenol-d5	99	3.766	3.741	0.907	319412	24.13	ng/uL	0.03
5) Nitrobenzene-d5	82	4.741	4.728	0.856	288384	30.38	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.636	6.685	0.913	1029515	28.74	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.981	7.984	1.098	509692	66.66	ng/uL	0.00
10) p-Terphenyl-d14	244	9.935	9.944	1.157	1074467	20.34	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	33%
3) Phenol-d5	100.000	15 - 85	24%
5) Nitrobenzene-d5	50.000	39 - 112	61%
7) 2-Fluorobiphenyl	50.000	39 - 112	57%
8) 2,4,6-Tribromophenol	100.000	37 - 132	67%
10) p-Terphenyl-d14	50.000	24 - 129	41%

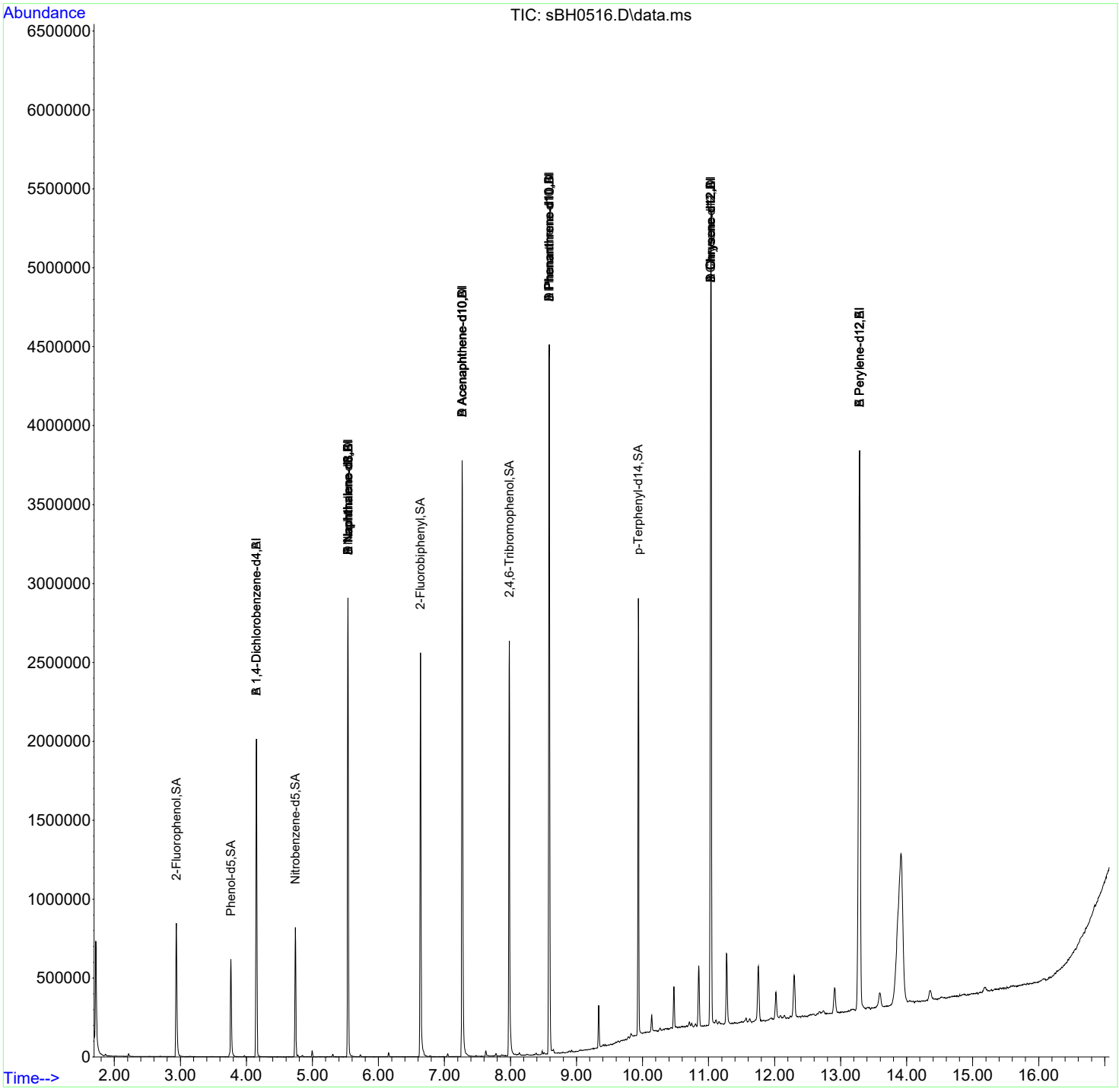
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0516.D
Acq On : 05 Aug 2025 21:18
Operator : LL2
InstName : MSDB
Sample : |735995005|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WDUP|mix[a,b,j,e]|
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 06 13:48:00 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



LL 08/06/2025

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0517.D
Acq On : 05 Aug 2025 21:39
Operator : LL2
InstName : MSDB
Sample : |735995006|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1B|mix[a,b,j,e]|
ALS Vial : 20 Sample Multiplier: 1

BAB 08/08/2025

Quant Time: Aug 06 13:48:33 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE

Compound	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	Dev(Min)
Internal Standards								
1) A 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	453542	40.00	ng/uL	0.00
4) A Naphthalene-d8	136	5.539	5.538	1.000	1648438	40.00	ng/uL	0.00
6) A Acenaphthene-d10	164	7.268	7.270	1.000	966807	40.00	ng/uL	0.00
9) A Phenanthrene-d10	188	8.586	8.583	1.000	2026442	40.00	ng/uL	0.00
11) A Chrysene-d12	240	11.034	11.039	1.000	2450856	40.00	ng/uL	0.00
12) A Perylene-d12	264	13.285	13.288	1.000	2655064	40.00	ng/uL	0.00
13) B 1,4-Dichlorobenzene-d4	152	4.151	4.152	1.000	453542	40.00	ng/uL	0.00
14) B Naphthalene-d8	136	5.539	5.538	1.000	1648438	40.00	ng/uL	0.00
16) B Acenaphthene-d10	164	7.268	7.270	1.000	966807	40.00	ng/uL	0.00
17) B Phenanthrene-d10	188	8.586	8.583	1.000	2026442	40.00	ng/uL	0.00
18) B Chrysene-d12	240	11.034	11.039	1.000	2450856	40.00	ng/uL	0.00
19) B Perylene-d12	264	13.285	13.288	1.000	2655064	40.00	ng/uL	0.00
20) J Naphthalene-d8	136	5.539	5.538	1.000	1648438	40.00	ng/uL	0.00
21) J Phenanthrene-d10	188	8.586	8.583	1.000	2026442	40.00	ng/uL	0.00
22) J Chrysene-d12	240	11.034	11.039	1.000	2450856	40.00	ng/uL	0.00
23) D Naphthalene-d8	136	5.539	5.538	1.000	1648438	40.00	ng/uL	0.00
24) D Acenaphthene-d10	164	7.268	7.270	1.000	966807	40.00	ng/uL	0.00
25) D Phenanthrene-d10	188	8.586	8.583	1.000	2026442	40.00	ng/uL	0.00
26) D Chrysene-d12	240	11.034	11.039	1.000	2450856	40.00	ng/uL	0.00
27) E Naphthalene-d8	136	5.539	5.538	1.000	1648438	40.00	ng/uL	0.00
28) E Perylene-d12	264	13.285	13.288	1.000	2655064	40.00	ng/uL	0.00
System Monitoring Compounds								Dev(Min)
2) 2-Fluorophenol	112	2.940	2.893	0.708	171896	13.84	ng/uL	0.05
3) Phenol-d5	99	3.766	3.741	0.907	168419	11.74	ng/uL	0.03
5) Nitrobenzene-d5	82	4.741	4.728	0.856	174938	17.89	ng/uL	0.01
7) 2-Fluorobiphenyl	172	6.636	6.685	0.913	609040	16.48	ng/uL	-0.05
8) 2,4,6-Tribromophenol	330	7.980	7.984	1.098	231352	29.33	ng/uL	0.00
10) p-Terphenyl-d14	244	9.936	9.944	1.157	534414	9.71	ng/uL	0.00

Compound	Amount	Range	Recovery
2) 2-Fluorophenol	100.000	11 - 79	14%
3) Phenol-d5	100.000	15 - 85	12%#
5) Nitrobenzene-d5	50.000	39 - 112	36%#
7) 2-Fluorobiphenyl	50.000	39 - 112	33%#
8) 2,4,6-Tribromophenol	100.000	37 - 132	29%#
10) p-Terphenyl-d14	50.000	24 - 129	19%#

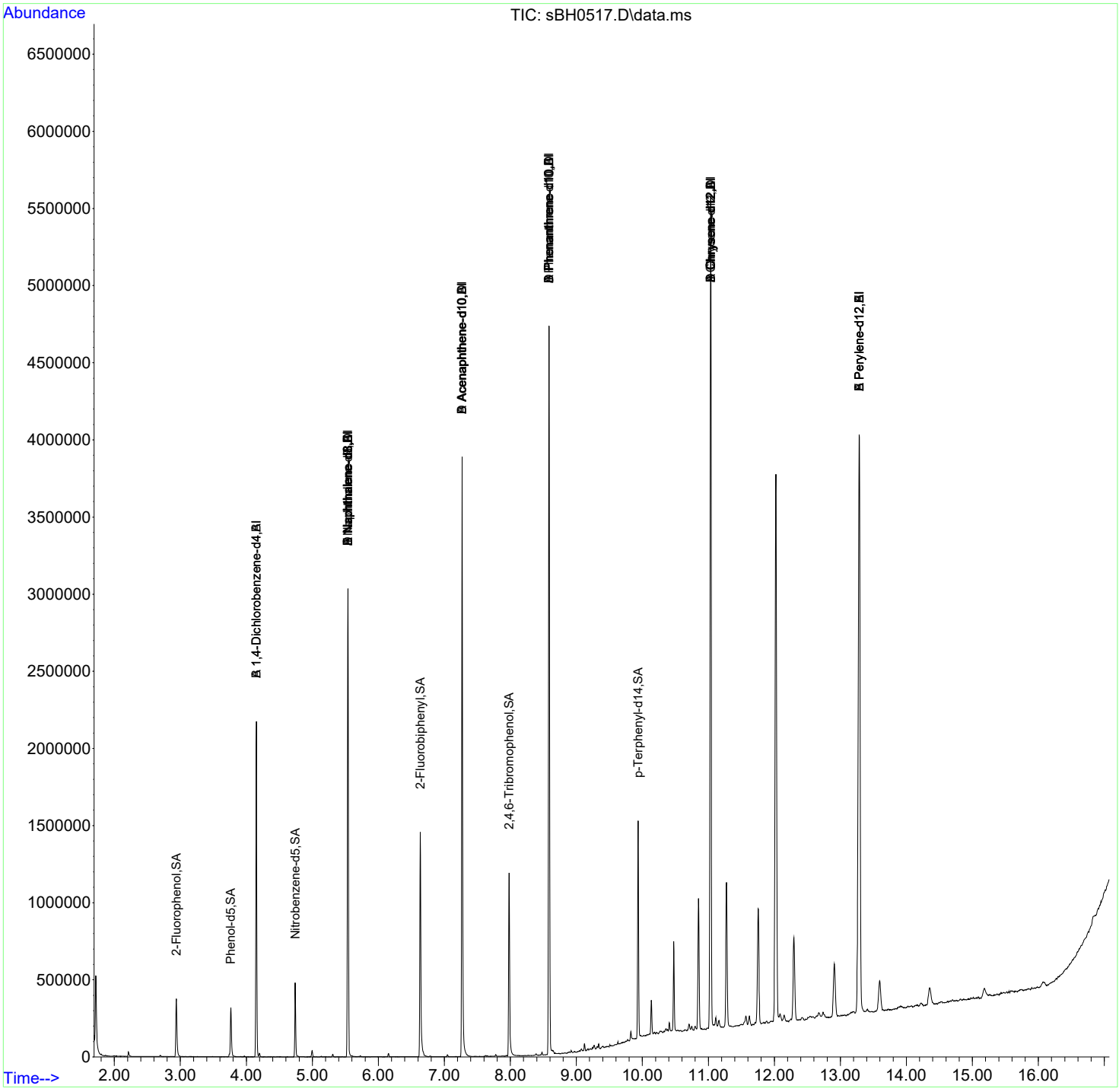
Target Compounds	QIon	R.T.	Exp RT	Rel RT	Response	Conc	Units	QValue
15) a,a-Dimethylphenethyla...		0.000	5.350	0.000	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed
(A) = Over the calibration range (d) = deleted

Quantitation Report
GEL Laboratories, LLC

Data Path : D:\MSDChem\1\Data\s080525\
Data File : sBH0517.D
Acq On : 05 Aug 2025 21:39
Operator : LL2
InstName : MSDB
Sample : |735995006|2839582|1|SVM|d|TRCI|||
Misc : |MSD1C70E_L|GROUND WATER|16WC1B|mix[a,b,j,e]|
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 06 13:48:33 2025
Quant Method : D:\MSDChem\1\Data\s080525\MSDB_8270_062725.m
Quant Title : BNA01 SubList : A,A-DIMETHYLPHENETHYLAMINE
QLast Update : Thu Jul 03 09:56:08 2025
Response via : Initial Calibration
Integrator: RTE



Prep Logbook

Extraction of Semivolatile and Nonvolatile Organic Compounds from Groundwater, Wastewater, and Other Aqueous Samples

Batch ID: 2839580 **Verified by:** _____
Analyst: Anne Eagan
Method: SW846 3510C

Lab SOP: GL-OA-E-013 REV# 36
Instrument: Semi-Volatiles Manual

Sample ID	Prep Date	Initial Wt (g)	Final Wt (g)	Initial Volume (mL)	Ph 1	Ph 2	Ph 3	Final Volume (mL)	Prepped Factor (mL/mL)
1206188054 MB	04-AUG-2025 11:23:00			1000	7	1	13	1	0.001
1206188055 LCS	04-AUG-2025 11:23:00			1000	7	1	13	1	0.001
735764004	04-AUG-2025 11:23:00	1466.6	504.28	962.32	8	1	13	1	0.00104
735764008	04-AUG-2025 11:23:00	1485.64	503.43	982.21	7	1	13	1	0.00102
735764012	04-AUG-2025 11:23:00			1000	8	1	13	1	0.001
1206188056 MS (735764012)	04-AUG-2025 11:23:00			425	8	1	13	1	0.00235
1206188057 MSD (735764012)	04-AUG-2025 11:23:00			425	8	1	13	1	0.00235
735764013	04-AUG-2025 11:23:00	1504.17	505.46	998.71	7	1	13	1	0.001
735995001	04-AUG-2025 11:23:00	1447.92	427.36	1020.56	7	1	13	1	0.00098
735995002	04-AUG-2025 11:23:00	1434.48	429.52	1004.96	7	1	13	1	0.001
735995003	04-AUG-2025 11:23:00	1449.72	429.6	1020.12	7	1	13	1	0.00098
735995004	04-AUG-2025 11:23:00			1000	7	1	13	1	0.001
1206188060 MS (735995004)	04-AUG-2025 11:23:00			500	7	1	13	1	0.002
1206188061 MSD (735995004)	04-AUG-2025 11:23:00			500	7	1	13	1	0.002
735995005	04-AUG-2025 11:23:00	1450.85	428.46	1022.39	7	1	13	1	0.00098
735995006	04-AUG-2025 11:23:00	1413.24	429.56	983.68	7	1	13	1	0.00102

Type	Sample Id	Description	Serial Number	Spike Amt	Units
LCS	1206188055	p-Phenylenediamine LCS Solution, 1250 mg/L, 25 mL	UE250716-18	1	mL
LCS	1206188055	HEXACHLOROPHENE LCS	UE250716-21	1	mL
LCS	1206188055	8270 Organophosphorus Pest 50mg/L	UE250716-25	1	mL
LCS	1206188055	8270 App. IX LCS MIX, 50 mg/L w/o Dimethylphenethylamine	UE250730-17	1	mL
LCS	1206188055	a,a-Dimethylphenethylamine 50 ppm	WE250730-03	1	mL
LCS	1206188055	8270 BNA LCS Mega Mix	WE250730-14	1	mL
MS	1206188056	p-Phenylenediamine LCS Solution, 1250 mg/L, 25 mL	UE250716-18	1	mL
MS	1206188056	HEXACHLOROPHENE LCS	UE250716-21	1	mL
MS	1206188056	8270 Organophosphorus Pest 50mg/L	UE250716-25	1	mL
MS	1206188056	8270 App. IX LCS MIX, 50 mg/L w/o Dimethylphenethylamine	UE250730-17	1	mL
MS	1206188056	a,a-Dimethylphenethylamine 50 ppm	WE250730-03	1	mL
MS	1206188056	8270 BNA LCS Mega Mix	WE250730-14	1	mL
MS	1206188060	p-Phenylenediamine LCS Solution, 1250 mg/L, 25 mL	UE250716-18	1	mL

Comments:

Balance #: OPWBAL-01

Sample 735764004 and 735764008 were emulsive during acid and base extraction.

Turbovap: 4, 5, 6

Logbook Reviewer: Kharissa Williams

Final Solvent: CH2Cl2

Verified by: De'Asia Gathers

Prep Logbook

Batch ID: 2839580 **Verified by:** _____
Analyst: Anne Eagan
Method: SW846 3510C

Lab SOP: GL-OA-E-013 REV# 36
Instrument: Semi-Volatiles Manual

Sample ID		Prep Date	Initial Wt (g)	Final Wt (g)	Initial Volume (mL)	Ph 1	Ph 2	Ph 3	Final Volume (mL)	Prepped Factor (mL/mL)
MS	1206188060	HEXACHLOROPHENE LCS			UE250716-21		1	mL		
MS	1206188060	8270 Organophosphorus Pest 50mg/L			UE250716-25		1	mL		
MS	1206188060	8270 App. IX LCS MIX, 50 mg/L w/o Dimethylphenethylamine			UE250730-17		1	mL		
MS	1206188060	a,a-Dimethylphenethylamine 50 ppm			WE250730-03		1	mL		
MS	1206188060	8270 BNA LCS Mega Mix			WE250730-14		1	mL		
MSD	1206188057	p-Phenylenediamine LCS Solution, 1250 mg/L, 25 mL			UE250716-18		1	mL		
MSD	1206188057	HEXACHLOROPHENE LCS			UE250716-21		1	mL		
MSD	1206188057	8270 Organophosphorus Pest 50mg/L			UE250716-25		1	mL		
MSD	1206188057	8270 App. IX LCS MIX, 50 mg/L w/o Dimethylphenethylamine			UE250730-17		1	mL		
MSD	1206188057	a,a-Dimethylphenethylamine 50 ppm			WE250730-03		1	mL		
MSD	1206188057	8270 BNA LCS Mega Mix			WE250730-14		1	mL		
MSD	1206188061	p-Phenylenediamine LCS Solution, 1250 mg/L, 25 mL			UE250716-18		1	mL		
MSD	1206188061	HEXACHLOROPHENE LCS			UE250716-21		1	mL		
MSD	1206188061	8270 Organophosphorus Pest 50mg/L			UE250716-25		1	mL		
MSD	1206188061	8270 App. IX LCS MIX, 50 mg/L w/o Dimethylphenethylamine			UE250730-17		1	mL		
MSD	1206188061	a,a-Dimethylphenethylamine 50 ppm			WE250730-03		1	mL		
MSD	1206188061	8270 BNA LCS Mega Mix			WE250730-14		1	mL		
SURR	All	BNA for all Surrogate			UE250710-15		1	mL		
REGNT	All	Methylene Chloride			4467690		360	mL		
REGNT	All	10 N Sodium Hydroxide			6157438		10	mL		
REGNT	All	Sulfuric Acid 1:1 H2SO4/H2O 500/500			6158113		2	mL		
SOURC	All	SODIUM SULFATE			6148057		30	g		

Prep Logbook

Extraction of Semivolatile and Nonvolatile Organic Compounds from Groundwater, Wastewater, and Other Aqueous Samples

Batch ID: 2843222 **Verified by:** _____
Analyst: Anne Eagan
Method: SW846 3510C

Lab SOP: GL-OA-E-013 REV# 36
Instrument: Semi-Volatiles Manual

Sample ID	Prep Date	Initial Wt (g)	Final Wt (g)	Initial Volume (mL)	Ph 1	Ph 2	Ph 3	Final Volume (mL)	Prepped Factor (mL/mL)
1206195033 MB	08-AUG-2025 11:40:00			1000	7	1	13	1	0.001
1206195034 LCS	08-AUG-2025 11:40:00			1000	7	1	13	1	0.001
735764008 - 2	08-AUG-2025 11:40:00	1505.92	504.34	1001.58	7	1	13	1	0.001
735764012 - 2	08-AUG-2025 11:40:00	1421.37	505.34	916.03	7	1	13	1	0.00109
735995006 - 2	08-AUG-2025 11:40:00	1412.23	429.93	982.3	7	1	13	1	0.00102
736848001	08-AUG-2025 11:40:00	1544.33	508.84	1035.49	7	1	13	1	0.00097
736848002	08-AUG-2025 11:40:00	1557.66	509.8	1047.86	7	1	13	1	0.00095
736848003	08-AUG-2025 11:40:00	1592.03	514.71	1077.32	7	1	13	1	0.00093
736921001	08-AUG-2025 11:40:00			1000	7	1	13	1	0.001
1206195037 MS (736921001)	08-AUG-2025 11:40:00			325	7	1	13	1	0.00308
1206195038 MSD (736921001)	08-AUG-2025 11:40:00			325	7	1	13	1	0.00308

Type	Sample Id	Description	Serial Number	Spike Amt	Units
LCS	1206195034	p-Phenylenediamine LCS Solution, 1250 mg/L, 25 mL	UE250716-18	1	mL
LCS	1206195034	HEXACHLOROPHENE LCS	UE250716-21	1	mL
LCS	1206195034	8270 Organophosphorus Pest 50mg/L	UE250716-25	1	mL
LCS	1206195034	8270 App. IX LCS MIX, 50 mg/L w/o Dimethylphenethylamine	UE250730-17	1	mL
LCS	1206195034	a,a-Dimethylphenethylamine 50 ppm	WE250730-03	1	mL
LCS	1206195034	8270 BNA LCS Mega Mix	WE250730-14	1	mL
MS	1206195037	p-Phenylenediamine LCS Solution, 1250 mg/L, 25 mL	UE250716-18	1	mL
MS	1206195037	HEXACHLOROPHENE LCS	UE250716-21	1	mL
MS	1206195037	8270 Organophosphorus Pest 50mg/L	UE250716-25	1	mL
MS	1206195037	8270 App. IX LCS MIX, 50 mg/L w/o Dimethylphenethylamine	UE250730-17	1	mL
MS	1206195037	a,a-Dimethylphenethylamine 50 ppm	WE250730-03	1	mL
MS	1206195037	8270 BNA LCS Mega Mix	WE250730-14	1	mL
MSD	1206195038	p-Phenylenediamine LCS Solution, 1250 mg/L, 25 mL	UE250716-18	1	mL
MSD	1206195038	HEXACHLOROPHENE LCS	UE250716-21	1	mL
MSD	1206195038	8270 Organophosphorus Pest 50mg/L	UE250716-25	1	mL
MSD	1206195038	8270 App. IX LCS MIX, 50 mg/L w/o Dimethylphenethylamine	UE250730-17	1	mL
MSD	1206195038	a,a-Dimethylphenethylamine 50 ppm	WE250730-03	1	mL
MSD	1206195038	8270 BNA LCS Mega Mix	WE250730-14	1	mL

Comments:

Balance #: OPWBAL-01
Sample 735764008 was emulsive during acid extraction.
Turbovap: 5.6
Logbook Reviewer: Kharissa Williams
Final Solvent: CH2Cl2
Verified by: Kharissa Williams

Prep Logbook

Batch ID: 2843222 **Verified by:** _____
Analyst: Anne Eagan
Method: SW846 3510C

Lab SOP: GL-OA-E-013 REV# 36
Instrument: Semi-Volatiles Manual

Sample ID		Prep Date	Initial Wt (g)	Final Wt (g)	Initial Volume (mL)	Ph 1	Ph 2	Ph 3	Final Volume (mL)	Prepped Factor (mL/mL)
SURR	All	BNA for all Surrogate			UE250710-15		1	mL		
REGNT	All	Methylene Chloride			4467690		360	mL		
REGNT	All	10 N Sodium Hydroxide			6159448		10	mL		
REGNT	All	Sulfuric Acid 1:1 H2SO4/H2O 500/500			6160904		2	mL		
SOURC	All	SODIUM SULFATE			6148057		30	g		

LL 06/20/2025

ORGANIC RUN LOG - INSTRUMENT ID#MSD2

GEL ORGANIC RUN LOG

DATE: 12-Jun-25 METHOD: See Data OPERATOR: NM1 Sequence Number: S061225_I DCB 06/20/2025

Internal Std ID: UBN240912-01.4

Solvent Reference ID: 24I1062001

Calibration Information:
Initial Calibration Dates: See Calibration History
Initial Calibration Std ID's: See Associated Data and Run Log
GEL SOP: GL-OA-E-009

Analysis Date Time	Data File	Lab Sample ID	Client	Batch #	Dil. Factor	AS Slot #	Analyst	Comments
06/12/2025 14:00	s2F1201.D	WBN250610-98	DFTPP	DFTPP	1	1	NM1	
06/12/2025 14:19	s2F1202.D	WBN250513-01.1	M-1	ICAL	1	2	NM1	
06/12/2025 14:44	s2F1203.D	WBN250513-02.1	M-2	ICAL	1	3	NM1	
06/12/2025 15:09	s2F1204.D	WBN250513-03.1	M-3	ICAL	1	4	NM1	
06/12/2025 15:34	s2F1205.D	WBN250513-04	M-4	ICAL	1	5	NM1	
06/12/2025 15:59	s2F1206.D	WBN250513-05	M-5	ICAL	1	6	NM1	
06/12/2025 16:24	s2F1207.D	WBN250513-06	M-6	ICAL	1	7	NM1	
06/12/2025 16:49	s2F1208.D	WBN250513-07	M-7	ICAL	1	8	NM1	
06/12/2025 17:15	s2F1209.D	WBN250513-08	M-8	ICAL	1	9	NM1	
06/12/2025 17:40	s2F1210.D	WBN250224-04.12	M-ICV	ICV	1	10	NM1	
06/12/2025 18:05	s2F1211.D	WBN250513-51.1	A-2	ICAL	1	11	NM1	
06/12/2025 18:27	s2F1212.D	WBN250513-52	A-3	ICAL	1	12	NM1	
06/12/2025 18:50	s2F1213.D	WBN250513-53	A-9	ICAL	1	13	NM1	
06/12/2025 19:13	s2F1214.D	WBN250513-54.1	A-4	ICAL	1	14	NM1	
06/12/2025 19:36	s2F1215.D	WBN250513-55	A-5	ICAL	1	15	NM1	
06/12/2025 19:58	s2F1216.D	WBN250513-56	A10	ICAL	1	16	NM1	
06/12/2025 20:21	s2F1217.D	WBN250513-57	A-6	ICAL	1	17	NM1	
06/12/2025 20:44	s2F1218.D	WBN250513-58	A-7	ICAL	1	18	NM1	
06/12/2025 21:06	s2F1219.D	WBN250513-59	A-8	ICAL	1	19	NM1	
06/12/2025 21:29	s2F1220.D	WBN250610-98	DFTPP	DFTPP	1	1	NM1	
06/12/2025 21:48	s2F1221.D	WBN250501-54	A-ICV	ICV	1	20	NM1	
06/12/2025 22:11	s2F1222.D	WBN250429-27.1	P-2	ICAL	1	21	NM1	
06/12/2025 22:30	s2F1223.D	WBN250429-26	P-3	ICAL	1	22	NM1	
06/12/2025 22:49	s2F1224.D	WBN250429-25.1	P-4	ICAL	1	23	NM1	
06/12/2025 23:08	s2F1225.D	WBN250429-24	P-5	ICAL	1	24	NM1	
06/12/2025 23:27	s2F1226.D	WBN250429-23	P-6	ICAL	1	25	NM1	
06/12/2025 23:46	s2F1227.D	WBN250429-22	P-7	ICAL	1	26	NM1	
06/13/2025 00:05	s2F1228.D	WBN250429-21	P-8	ICAL	1	27	NM1	
06/13/2025 00:24	s2F1229.D	WBN250124-25.9	P-ICV	ICV	1	28	NM1	
06/13/2025 00:43	s2F1230.D	WBN250602-31.1	H-2	ICAL	1	29	NM1	
06/13/2025 01:02	s2F1231.D	WBN250602-32	H-3	ICAL	1	30	NM1	
06/13/2025 01:21	s2F1232.D	WBN250602-33	H-4	ICAL	1	31	NM1	
06/13/2025 01:40	s2F1233.D	WBN250602-34	H-5	ICAL	1	32	NM1	
06/13/2025 01:59	s2F1234.D	WBN250602-35	H-6	ICAL	1	33	NM1	
06/13/2025 02:18	s2F1235.D	WBN250602-37	H-7	ICAL	1	34	NM1	
06/13/2025 02:38	s2F1236.D	WBN250602-38	H-ICV	ICV	1	35	NM1	

ORGANIC RUN LOG - INSTRUMENT ID#MSD2

NM 08/12/2025

GEL ORGANIC RUN LOG

DATE: 8-Aug-25 METHOD: See Data OPERATOR: NM1 Sequence Number: S080825.S RAB 08/12/2025

Internal Std ID: UBN240912-01.4

Solvent Reference ID: 24I1062001

Calibration Information:
Initial Calibration Dates: See Calibration History
Initial Calibration Std ID's: See Associated Data and Run Log
GEL SOP: GL-OA-E-009

Analysis Date	Time	Data File	Lab Sample ID	Client	Batch #	Dil. Factor	AS Slot #	Analyst	Comments
08/08/2025	10:36	rinse01.D	Rinse			1	2	NM1	
08/08/2025	11:01	rinse02.D	Rinse			1	2	NM1	
08/08/2025	12:26	s2H0801.D	WBN250710-98	DFTPP	DFTPP	1	1	NM1	
08/08/2025	12:44	s2H0802.D	WBN250711-04.9	M-4	CCV	1	2	NM1	
08/08/2025	13:10	s2H0803.D	WBN250613-54.23	A-4	CCV	1	3	NM1	
08/08/2025	13:32	s2H0804.D	WBN250624-25.2	P-4	CCV	1	4	NM1	
08/08/2025	13:51	s2H0805.D	WBN250724-33.3	H-4	CCV	1	5	NM1	
08/08/2025	16:09	s2H0806.D	1206195033	MB	2843225	1	6	NM1	
08/08/2025	16:34	s2H0807.D	1206195034	LCS	2843225	1	7	NM1	
08/08/2025	16:59	s2H0808.D	735764008	FRNP	2843225	1	8	NM1	out of hold - confrims
08/08/2025	17:24	s2H0809.D	735764012	FRNP	2843225	1	9	NM1	out of hold - passes
08/08/2025	17:50	s2H0810.D	735995006	TRCI	2843225	1	10	NM1	out of hold - passes
08/08/2025	18:15	s2H0811.D	736848001	INEL	2843225	1	11	NM1	
08/08/2025	18:40	s2H0812.D	736848002	INEL	2843225	1	12	NM1	
08/08/2025	19:05	s2H0813.D	736848003	INEL	2843225	1	13	NM1	
08/08/2025	19:30	s2H0814.D	736921001	TNSL	2843225	1	14	NM1	
08/08/2025	19:56	s2H0815.D	1206195037	MS	2843225	1	15	NM1	
08/08/2025	20:21	s2H0816.D	1206195038	MSD	2843225	1	16	NM1	
08/08/2025	20:46	s2H0817.D	WBN250711-04.9	M-4	CCV	1	17	NM1	
08/08/2025	21:11	s2H0818.D	WBN250613-54.23	A-4	CCV	1	18	NM1	
08/08/2025	21:34	s2H0819.D	WBN250624-25.2	P-4	CCV	1	19	NM1	
08/08/2025	21:53	s2H0820.D	WBN250724-33.3	H-4	CCV	1	20	NM1	

LL 06/30/2025

GEL ORGANIC RUN LOG

DATE: 27-Jun-25 METHOD: See Data OPERATOR: NM1 Sequence Number: S062725_I

DCB 06/30/2025

Calibration Information:

Internal Std ID: UBN250205-01.1

Initial Calibration Dates: See Calibration History

Initial Calibration Std ID's: See Associated Data and Run Log

Solvent Reference ID: 4467694

GEL SOP: GL-OA-E-009

Analysis Date Time	Data File	Lab Sample ID	Client	Batch #	Dil. Factor	AS Slot #	Analyst	Comments
06/27/2025 17:08	sBF2701.D	WBN250610-98	DFTPP	DFTPP	1	1	NM1	
06/27/2025 17:24	sBF2702.D	WBN250513-01.1	M-1	ICAL	1	2	NM1	
06/27/2025 17:48	sBF2703.D	WBN250513-02.1	M-2	ICAL	1	3	NM1	
06/27/2025 18:12	sBF2704.D	WBN250513-03.1	M-3	ICAL	1	4	NM1	
06/27/2025 18:36	sBF2705.D	WBN250513-04.1	M-4	ICAL	1	5	NM1	
06/27/2025 19:00	sBF2706.D	WBN250513-05	M-5	ICAL	1	6	NM1	
06/27/2025 19:24	sBF2707.D	WBN250513-06	M-6	ICAL	1	7	NM1	
06/27/2025 19:48	sBF2708.D	WBN250513-07	M-7	ICAL	1	8	NM1	
06/27/2025 20:12	sBF2709.D	WBN250513-08	M-8	ICAL	1	9	NM1	
06/27/2025 20:36	sBF2710.D	WBN250224-04.11	M-ICV	ICV	1	10	NM1	
06/27/2025 21:00	sBF2711.D	WBN250513-51.1	APX-2	ICAL	1	11	NM1	
06/27/2025 21:21	sBF2712.D	WBN250513-52	APX-3	ICAL	1	12	NM1	
06/27/2025 21:42	sBF2713.D	WBN250513-53	APX-9	ICAL	1	13	NM1	
06/27/2025 22:02	sBF2714.D	WBN250513-54.1	APX-4	ICAL	1	14	NM1	
06/27/2025 22:23	sBF2715.D	WBN250513-55	APX-5	ICAL	1	15	NM1	
06/27/2025 22:44	sBF2716.D	WBN250513-56	APX-10	ICAL	1	16	NM1	
06/27/2025 23:05	sBF2717.D	WBN250513-57	APX-6	ICAL	1	17	NM1	
06/27/2025 23:26	sBF2718.D	WBN250513-58	APX-7	ICAL	1	18	NM1	
06/27/2025 23:47	sBF2719.D	WBN250513-59	APX-8	ICAL	1	19	NM1	
06/28/2025 00:08	sBF2720.D	WBN250626-54	APX-ICV	ICV	1	20	NM1	
06/28/2025 00:29	sBF2721.D	WBN250610-98	DFTPP	DFTPP	1	1	NM1	
06/28/2025 00:46	sBF2722.D	WBN250624-27.1	P-2	ICAL	1	21	NM1	
06/28/2025 01:04	sBF2723.D	WBN250624-26	P-3	ICAL	1	22	NM1	
06/28/2025 01:22	sBF2724.D	WBN250624-25.1	P-4	ICAL	1	23	NM1	
06/28/2025 01:39	sBF2725.D	WBN250624-24	P-5	ICAL	1	24	NM1	
06/28/2025 01:57	sBF2726.D	WBN250624-23	P-6	ICAL	1	25	NM1	
06/28/2025 02:15	sBF2727.D	WBN250624-22	P-7	ICAL	1	26	NM1	
06/28/2025 02:32	sBF2728.D	WBN250624-21	P-8	ICAL	1	27	NM1	
06/28/2025 02:50	sBF2729.D	WBN250124-25.10	P-ICV	ICV	1	28	NM1	
06/28/2025 03:08	sBF2730.D	WBN250602-31.1	H-2	ICAL	1	29	NM1	
06/28/2025 03:25	sBF2731.D	WBN250602-32	H-3	ICAL	1	30	NM1	
06/28/2025 03:43	sBF2732.D	WBN250602-33	H-4	ICAL	1	31	NM1	
06/28/2025 04:01	sBF2733.D	WBN250602-34	H-5	ICAL	1	32	NM1	
06/28/2025 04:19	sBF2734.D	WBN250602-35	H-6	ICAL	1	33	NM1	
06/28/2025 04:36	sBF2735.D	WBN250602-37	H-7	ICAL	1	34	NM1	
06/28/2025 04:54	sBF2736.D	WBN250602-38	H-ICV	ICV	1	35	NM1	

LL 08/06/2025

ORGANIC RUN LOG - INSTRUMENT ID#MSDB

GEL ORGANIC RUN LOG

DATE: 4-Aug-25 METHOD: See Data OPERATOR: LL2 Sequence Number: S080425 RAB 08/08/2025

Internal Std ID: UBN250205-01.1

Solvent Reference ID: 4467694

Calibration Information:
Initial Calibration Dates: See Calibration History
Initial Calibration Std ID's: See Associated Data and Run Log
GEL SOP: GL-OA-E-009

Analysis Date	Time	Data File	Lab Sample ID	Client	Batch #	Dil. Factor	AS Slot #	Analyst	Comments
08/04/2025	10:40	rinse01.D	rinse			1	2	LL2	
08/04/2025	11:23	rinse02.D	rinse			1	2	LL2	
08/04/2025	15:22	sBH0401.D	WBN250710-98	DFTPP	DFTPP	1	1	LL2	
08/04/2025	15:38	sBH0402.D	WBN250711-04.2	M-4	CCV	1	2	LL2	
08/04/2025	16:02	sBH0403.D	WBN250613-54.2	APX-4	CCV	1	3	LL2	a,a-Dimethylphenethylamine fails - rr TRCI for nondetect conf.
08/04/2025	16:23	sBH0404.D	WBN250724-33.3	H-4	CCV	1	4	LL2	
08/04/2025	16:47	sBH0405.D	1206188054	MB	2839582	1	5	LL2	
08/04/2025	17:08	sBH0406.D	1206188055	LCS	2839582	1	6	LL2	rr - nondetect confirmation
08/04/2025	17:29	sBH0407.D	735764004	FRNP	2839582	1	7	LL2	
08/04/2025	17:50	sBH0408.D	735764008	FRNP	2839582	1	8	LL2	
08/04/2025	18:11	sBH0409.D	735764012	FRNP	2839582	1	9	LL2	
08/04/2025	18:32	sBH0410.D	1206188056	MS	2839582	1	10	LL2	rr - nondetect confirmation
08/04/2025	18:53	sBH0411.D	1206188057	MSD	2839582	1	11	LL2	rr - nondetect confirmation
08/04/2025	19:14	sBH0412.D	735764013	FRNP	2839582	1	12	LL2	
08/04/2025	19:35	sBH0413.D	WBN250711-04.2	M-4	CCV	1	41	LL2	dodqsm closing check - passes; passes for tcri
08/04/2025	19:59	sBH0414.D	735995001	TRCI	2839582	1	13	LL2	rr - nondetect confirmation
08/04/2025	20:19	sBH0415.D	735995002	TRCI	2839582	1	14	LL2	rr - nondetect confirmation
08/04/2025	20:40	sBH0416.D	735995003	TRCI	2839582	1	15	LL2	rr - nondetect confirmation
08/04/2025	21:01	sBH0417.D	735995004	TRCI	2839582	1	16	LL2	rr - nondetect confirmation
08/04/2025	21:22	sBH0418.D	1206188060	MS	2839582	1	17	LL2	rr - nondetect confirmation
08/04/2025	21:43	sBH0419.D	1206188061	MSD	2839582	1	18	LL2	rr - nondetect confirmation
08/04/2025	22:04	sBH0420.D	735995005	TRCI	2839582	1	19	LL2	rr - nondetect confirmation
08/04/2025	22:25	sBH0421.D	735995006	TRCI	2839582	1	20	LL2	rr - nondetect confirmation